

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070219\
 Data File : BF115376.D
 Acq On : 2 Jul 2019 22:40
 Operator : HP/JU
 Sample : K3629-01MS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILEMS

Manual Integrations
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 7/3/2019 10:51:56 PM

Quant Time: Jul 03 11:42:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 05:26:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	228434	20.00	ng	0.00
21) Naphthalene-d8	7.89	136	890192	20.00	ng	0.00
39) Acenaphthene-d10	9.64	164	432697	20.00	ng	0.01
64) Phenanthrene-d10	11.11	188	825743	20.00	ng	0.02
76) Chrysene-d12	13.74	240	461053	20.00	ng	0.02
87) Perylene-d12	15.11	264	505672	20.00	ng	0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.21	112	1090350	73.66	ng	0.02
7) Phenol-d6	6.25	99	1390080	77.37	ng	0.01
23) Nitrobenzene-d5	7.17	82	842686	58.23	ng	0.00
42) 2,4,6-Tribromophenol	10.42	330	360162	78.93	ng	0.02
45) 2-Fluorobiphenyl	8.97	172	1618119	63.52	ng	0.01
79) Terphenyl-d14	12.70	244	1589005	73.28	ng	0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.24	88	135640	19.415	ng	99
3) Pyridine	2.90	79	184602	9.375	ng	95
4) n-Nitrosodimethylamine	2.82	42	150602	19.510	ng	99
6) Aniline	6.26	93	296687	12.015	ng	# 1
8) 2-Chlorophenol	6.39	128	397490	23.880	ng	99
9) Benzaldehyde	6.14	77	239354	20.419	ng	98
10) Phenol	6.26	94	474862	22.563	ng	92
11) bis(2-Chloroethyl)ether	6.35	93	361166	23.280	ng	97
12) 1,3-Dichlorobenzene	6.54	146	433787	23.482	ng	98
13) 1,4-Dichlorobenzene	6.62	146	445993	24.076	ng	99
14) 1,2-Dichlorobenzene	6.78	146	416148	24.259	ng	98
15) Benzyl Alcohol	6.75	79	287352	21.964	ng	97
16) 2,2'-oxybis(1-Chloropropan	6.89	45	498064	22.135	ng	94
17) 2-Methylphenol	6.87	107	338596	24.644	ng	99
18) Hexachloroethane	7.12	117	151092	22.624	ng	99
19) n-Nitroso-di-n-propylamine	7.02	70	256029	22.258	ng	97
20) 3+4-Methylphenols	7.02	107	404609	25.504	ng	# 81
22) Acetophenone	7.02	105	546824	26.832	ng	# 95
24) Nitrobenzene	7.19	77	402103	25.222	ng	98
25) Isophorone	7.43	82	713318	24.062	ng	99
26) 2-Nitrophenol	7.51	139	210761	26.770	ng	98
27) 2,4-Dimethylphenol	7.55	122	334882	25.979	ng	98
28) bis(2-Chloroethoxy)methane	7.65	93	459512	24.525	ng	100
29) 2,4-Dichlorophenol	7.75	162	346021	26.011	ng	97
30) 1,2,4-Trichlorobenzene	7.84	180	377871	25.716	ng	98
31) Naphthalene	7.91	128	1162953	26.614	ng	98
32) Benzoic acid	7.67	122	8899m	0.967	ng	
33) 4-Chloroaniline	7.96	127	297684	14.906	ng	100
34) Hexachlorobutadiene	8.04	225	205111	25.472	ng	98
35) Caprolactam	8.31	113	84455m	18.883	ng	
36) 4-Chloro-3-methylphenol	8.45	107	345052	25.612	ng	99
37) 2-Methylnaphthalene	8.60	142	782285	26.551	ng	99
38) 1-Methylnaphthalene	8.70	142	731486	25.995	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.77	216	350322	28.651	ng	99

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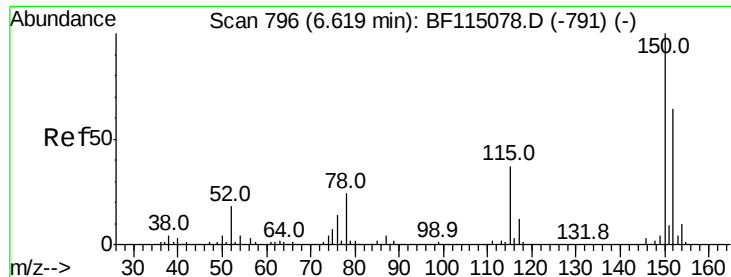
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.76	237	210747	29.067	ng	98
43) 2,4,6-Trichlorophenol	8.88	196	232304	24.609	ng	99
44) 2,4,5-Trichlorophenol	8.92	196	258094	26.549	ng	96
46) 1,1'-Biphenyl	9.07	154	933992	26.977	ng	99
47) 2-Chloronaphthalene	9.09	162	731143	26.034	ng	100
48) 2-Nitroaniline	9.18	65	210418	25.700	ng	89
49) Acenaphthylene	9.50	152	1159239	26.494	ng	98
50) Dimethylphthalate	9.37	163	1071423	33.656	ng	100
51) 2,6-Dinitrotoluene	9.42	165	197111	26.819	ng	98
52) Acenaphthene	9.67	154	669160	24.440	ng	99
53) 3-Nitroaniline	9.59	138	198012	22.078	ng	98
54) 2,4-Dinitrophenol	9.70	184	13968	10.698	ng	# 86
55) Dibenzofuran	9.84	168	1013319	25.786	ng	98
56) 4-Nitrophenol	9.76	139	282918	39.347	ng	91
57) 2,4-Dinitrotoluene	9.82	165	253638	26.727	ng	92
58) Fluorene	10.18	166	734000	25.148	ng	98
59) 2,3,4,6-Tetrachlorophenol	9.97	232	187054	22.947	ng	96
60) Diethylphthalate	10.07	149	818578	25.580	ng	99
61) 4-Chlorophenyl-phenylether	10.18	204	357437	25.853	ng	98
62) 4-Nitroaniline	10.20	138	218458	24.280	ng	95
63) Azobenzene	10.34	77	737813	24.685	ng	99
65) 4,6-Dinitro-2-methylphenol	10.24	198	35700	12.246	ng	98
66) n-Nitrosodiphenylamine	10.30	169	680397	26.448	ng	99
67) 4-Bromophenyl-phenylether	10.67	248	238190	26.605	ng	98
68) Hexachlorobenzene	10.73	284	260966	26.855	ng	94
69) Atrazine	10.83	200	225004	27.189	ng	99
70) Pentachlorophenol	10.92	266	176801	28.558	ng	97
71) Phenanthrene	11.14	178	1130395	25.425	ng	98
72) Anthracene	11.19	178	1178732	26.265	ng	99
73) Carbazole	11.34	167	1033297	25.784	ng	99
74) Di-n-butylphthalate	11.70	149	1253371	27.066	ng	99
75) Fluoranthene	12.32	202	1075385	24.243	ng	98
77) Benzidine	12.45	184	90845	4.437	ng	99
78) Pyrene	12.55	202	1056734	29.824	ng	99
80) Butylbenzylphthalate	13.18	149	451461	28.872	ng	90
81) Benzo(a)anthracene	13.73	228	813452	24.589	ng	98
82) 3,3'-Dichlorobenzidine	13.70	252	264577	22.147	ng	99
83) Chrysene	13.77	228	786210	25.944	ng	98
84) Bis(2-ethylhexyl)phthalate	13.75	149	628434	30.672	ng	99
85) Di-n-octyl phthalate	14.36	149	928014	26.958	ng	99
86) Indeno(1,2,3-cd)pyrene	16.39	276	664278	18.525	ng	98
88) Benzo(b)fluoranthene	14.74	252	840649	26.643	ng	98
89) Benzo(k)fluoranthene	14.76	252	749988	26.505	ng	97
90) Benzo(a)pyrene	15.05	252	763108	26.833	ng	98
91) Dibenzo(a,h)anthracene	16.40	278	555053	20.906	ng	99
92) Benzo(g,h,i)perylene	16.77	276	517233	19.249	ng	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

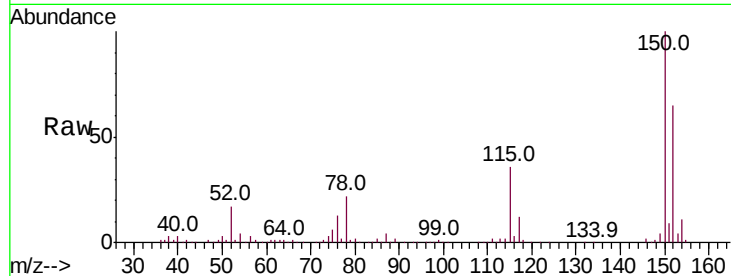
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.61 min Scan# 794
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMS

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	124.2	186.2
115	55.4	46.1	69.1

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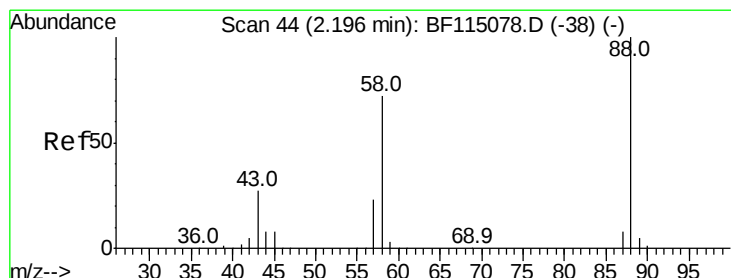
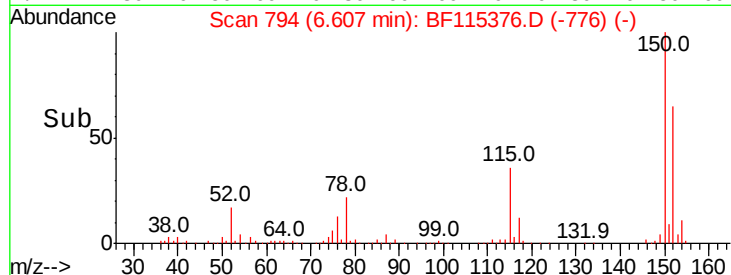
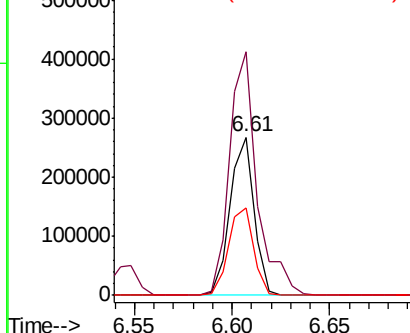


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

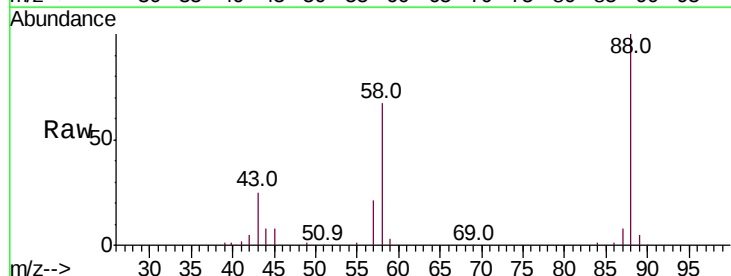
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 19.415 ng
RT: 2.24 min Scan# 51
Delta R.T. 0.08 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Tgt Ion	Ratio	Lower	Upper
88	100		
58	69.2	56.1	84.1
43	25.4	21.3	31.9

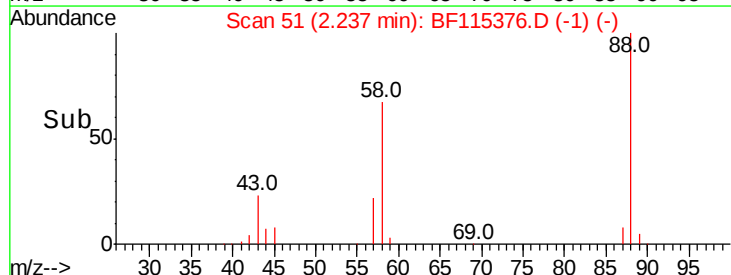
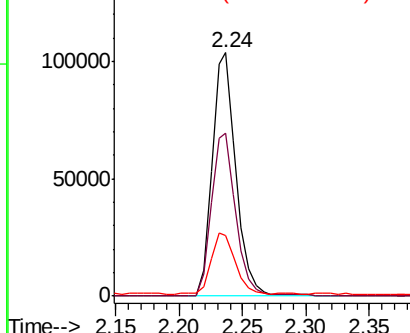


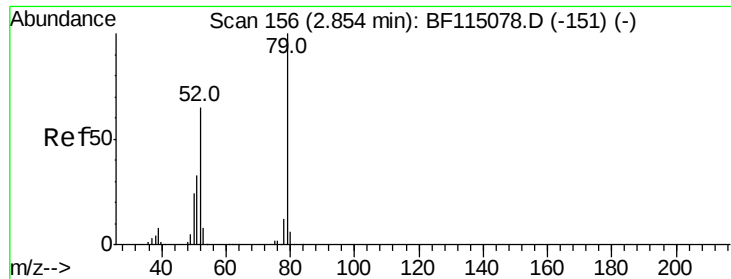
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 9.375 ng

RT: 2.90 min Scan# 164

Delta R.T. 0.10 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Instrument :

BNA_F

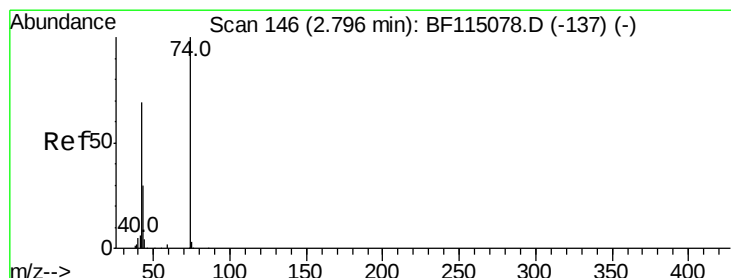
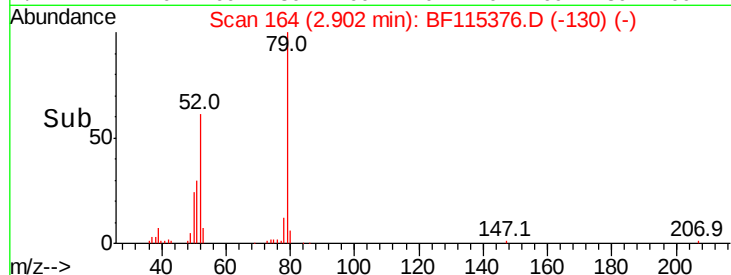
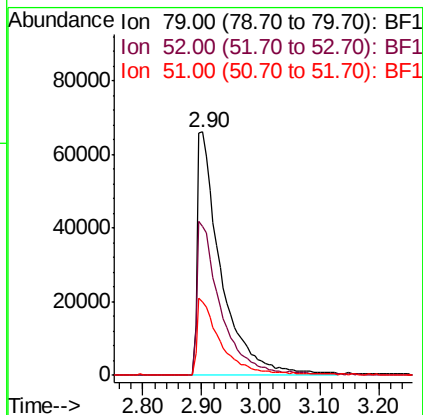
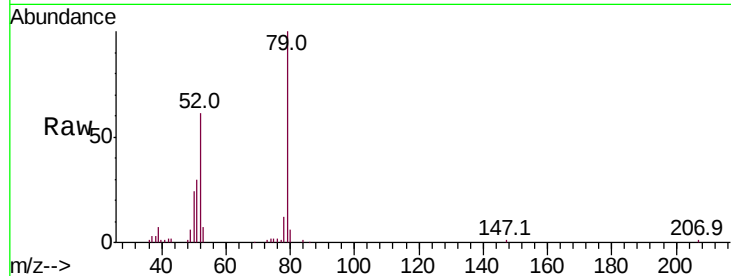
ClientSampleId :

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Tot Ion	Ratio	Lower	Upper
79	100		
52	61.4	52.3	78.5
51	30.4	26.1	39.1

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#4

n-Nitrosodimethylamine

Concen: 19.510 ng

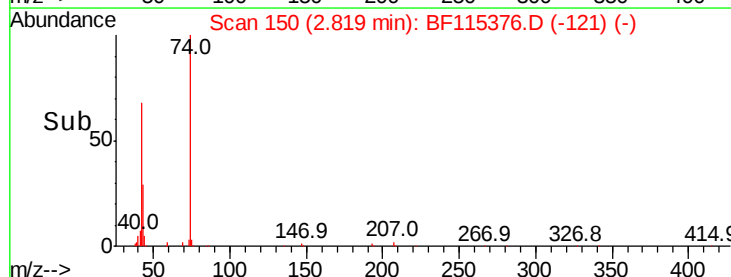
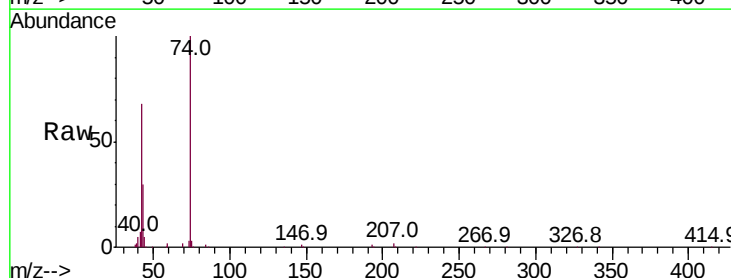
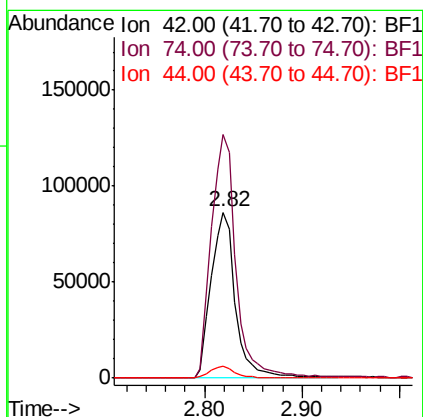
RT: 2.82 min Scan# 150

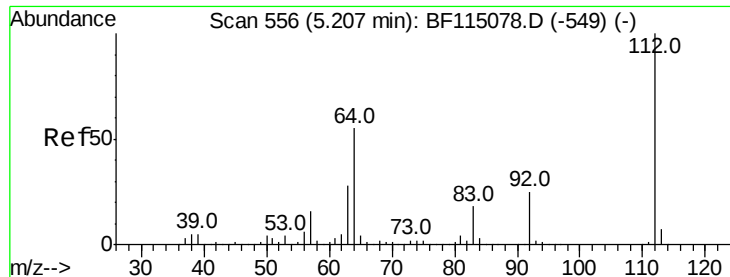
Delta R.T. 0.07 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Tgt Ion	Ratio	Lower	Upper
42	100		
74	146.5	116.6	175.0
44	7.0	5.3	7.9





#5

2-Fluorophenol

Concen: 73.658 ng

RT: 5.21 min Scan# 556

Delta R.T. 0.02 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Instrument :

BNA_F

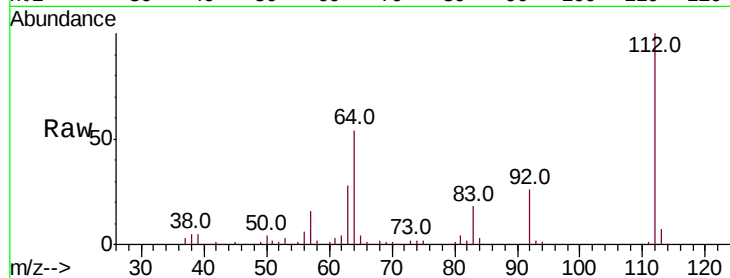
ClientSampleId :

NB-SOIL-PILEMS

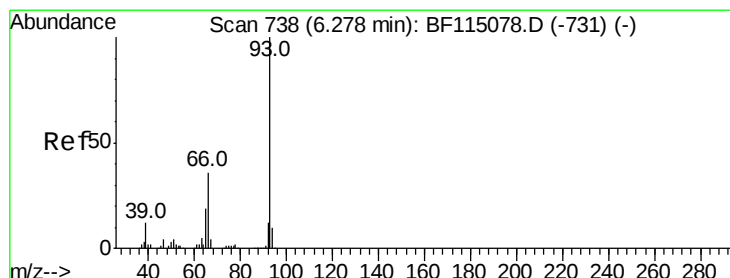
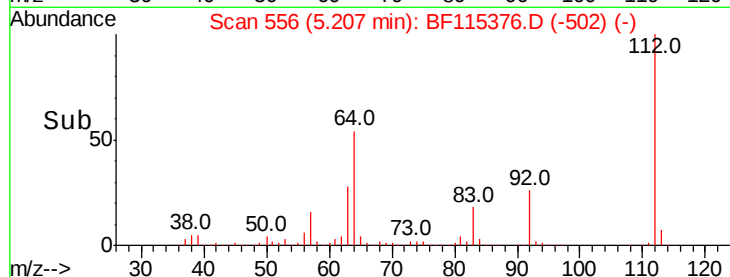
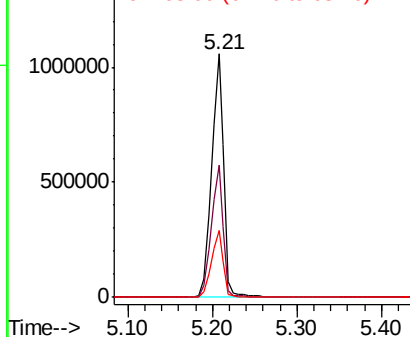
Tot Ion:	112	Resp:	1090350
Ion Ratio	Lower	Upper	
112	100		
64	54.1	43.8	65.6
63	27.8	22.2	33.4

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Abundance Ion 112.00 (111.70 to 112.70): BF1
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 12.015 ng

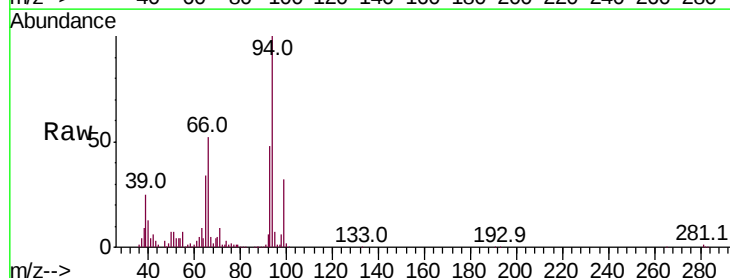
RT: 6.26 min Scan# 735

Delta R.T. 0.00 min

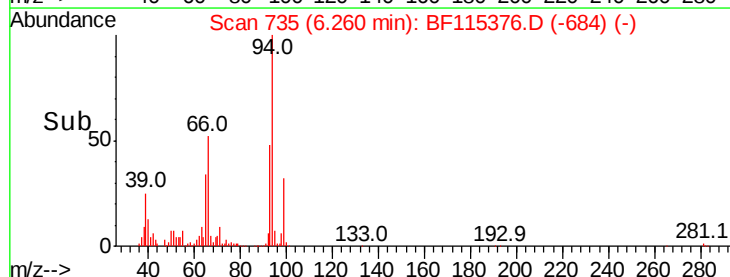
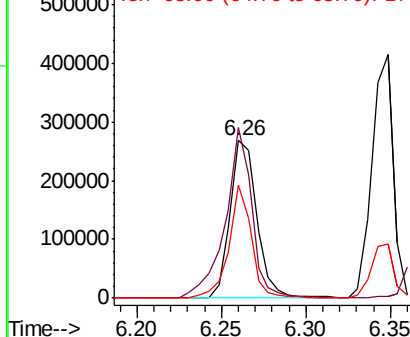
Lab File: BF115376.D

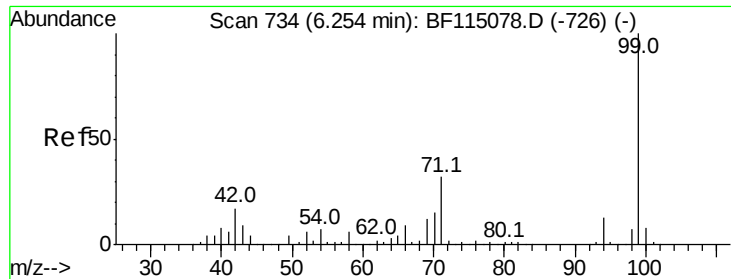
Acq: 2 Jul 2019 22:40

Tgt Ion:	93	Resp:	296687
Ion Ratio	Lower	Upper	
93	100		
66	108.4	30.0	45.0#
65	71.7	15.6	23.4#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 77.368 ng

RT: 6.25 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Instrument :

BNA_F

ClientSampleId :

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Tot Ion: 99 Resp: 1390080

Ion Ratio Lower Upper

99 100

42 16.8 13.6 20.4

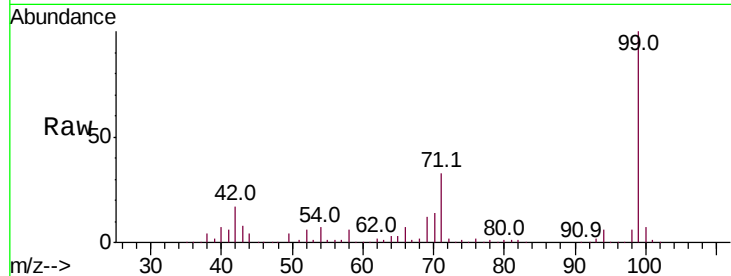
71 32.6 25.5 38.3

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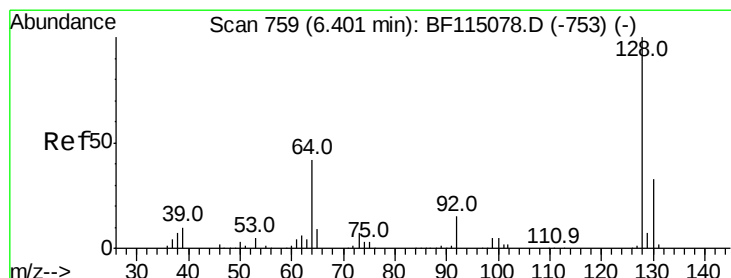
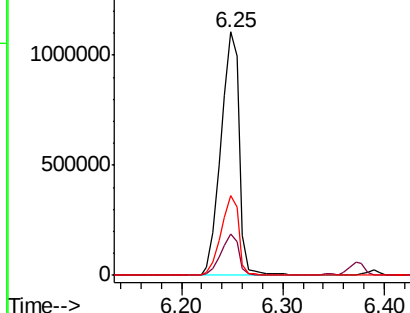
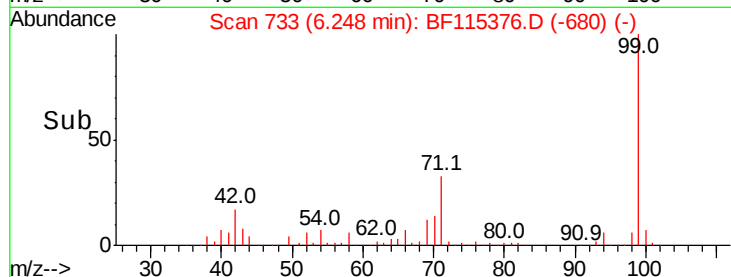
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Abundance Ion 99.00 (98.70 to 99.70): BF1
1500000
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 23.880 ng

RT: 6.39 min Scan# 757

Delta R.T. 0.01 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

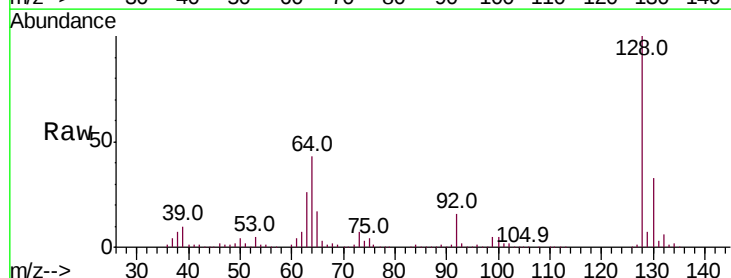
Tgt Ion:128 Resp: 397490

Ion Ratio Lower Upper

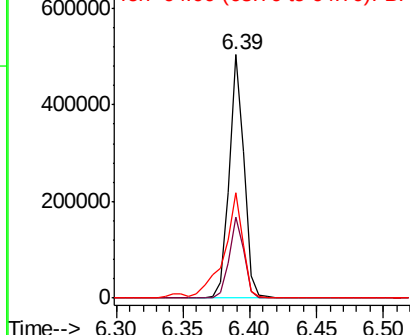
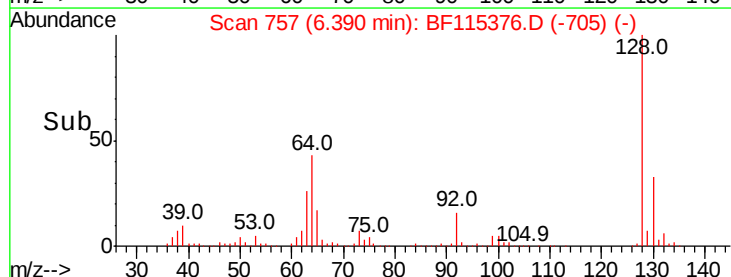
128 100

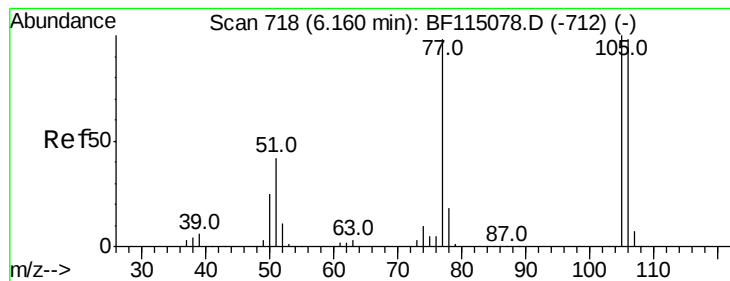
130 33.2 12.9 52.9

64 43.2 22.9 62.9



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 20.419 ng

RT: 6.14 min Scan# 715

Delta R.T. 0.00 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Instrument :

BNA_F

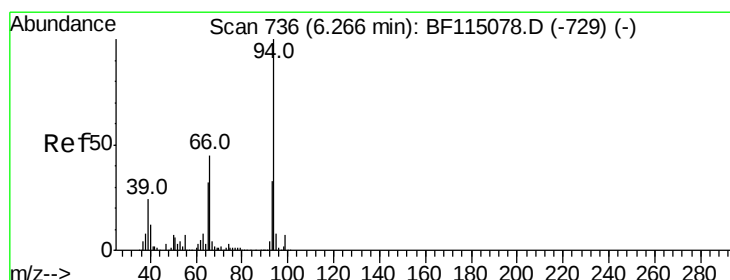
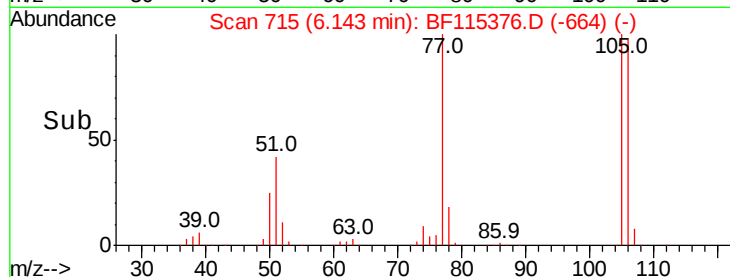
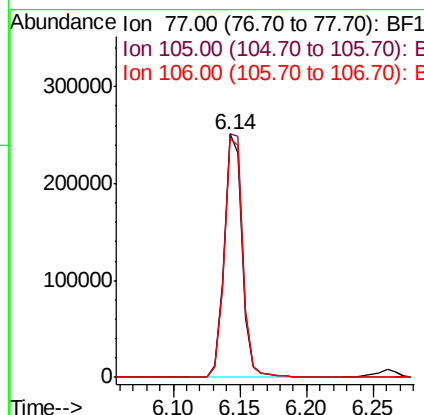
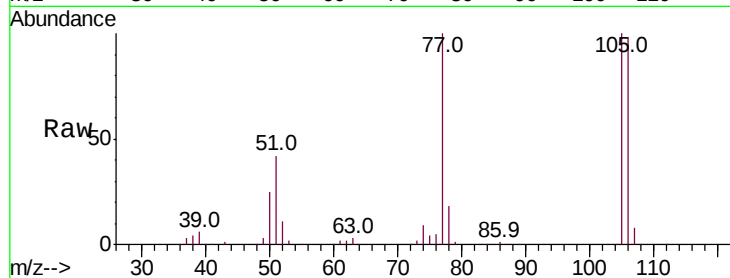
ClientSampleId :

NB-SOIL-PILEMS

Tot Ion:	77	Resp:	239354
Ion	Ratio	Lower	Upper
77	100		
105	100.0	81.5	121.5
106	98.1	79.7	119.7

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#10

Phenol

Concen: 22.563 ng

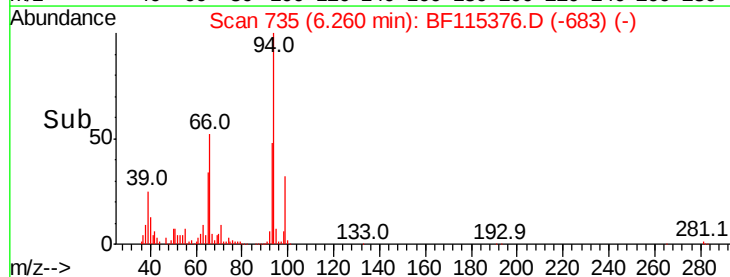
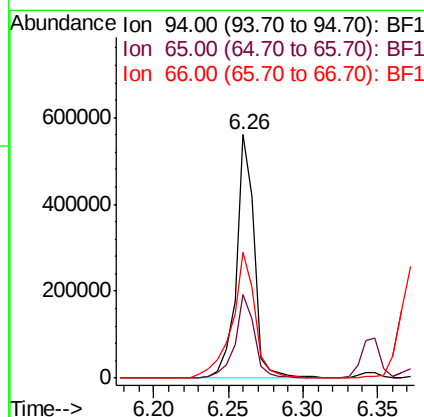
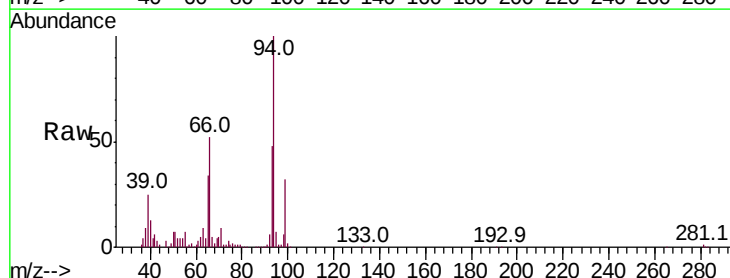
RT: 6.26 min Scan# 735

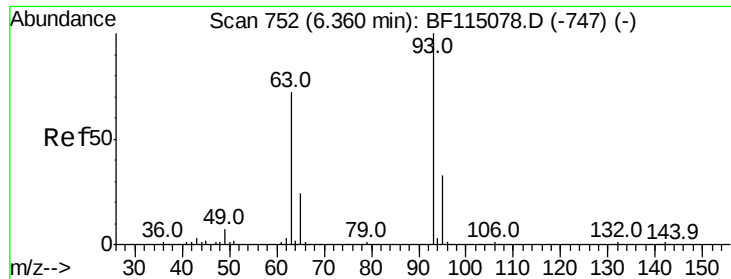
Delta R.T. 0.01 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Tgt Ion:	94	Resp:	474862
Ion	Ratio	Lower	Upper
94	100		
65	34.3	11.9	51.9
66	51.8	25.2	65.2





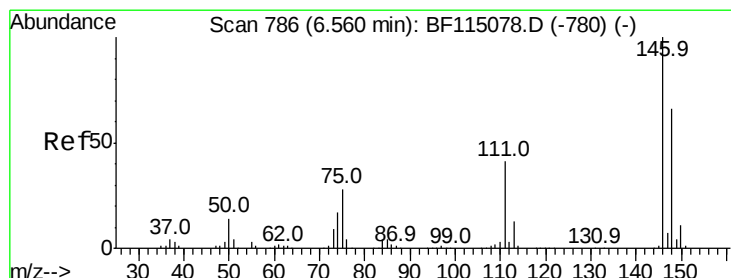
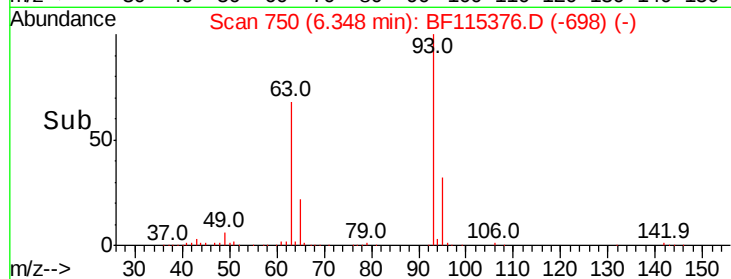
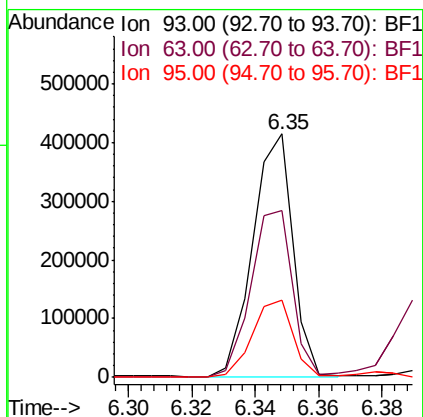
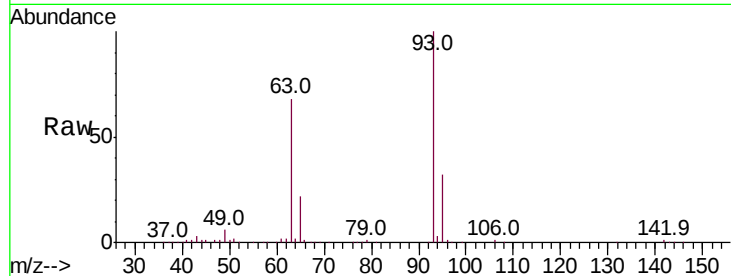
#11
bis(2-Chloroethyl)ether
Concen: 23.280 ng
RT: 6.35 min Scan# 750
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMS

Tot Ion:	93	Resp:	361166
Ion Ratio	Lower	Upper	
93	100		
63	68.3	51.5	91.5
95	32.0	13.4	53.4

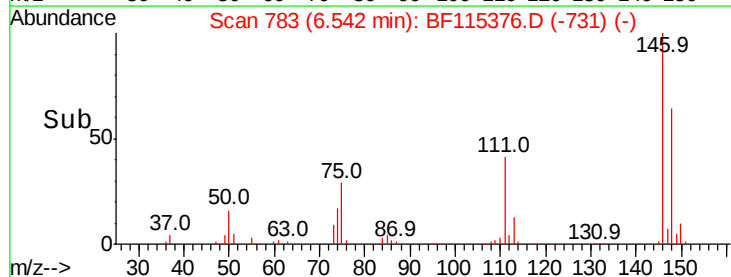
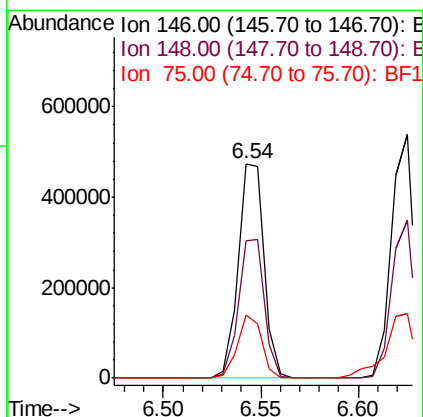
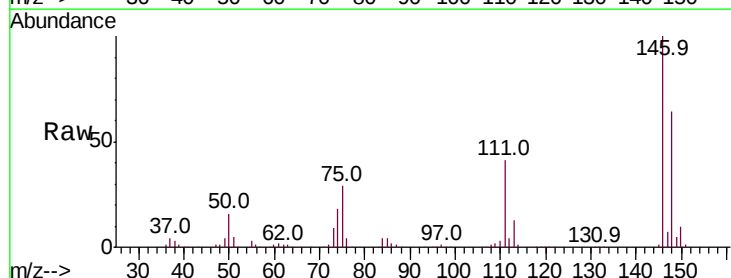
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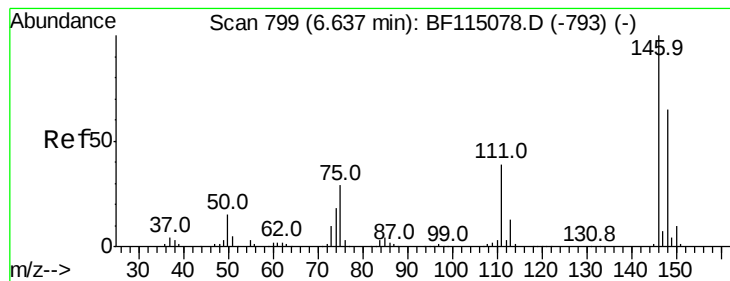
mohammad
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#12
1,3-Dichlorobenzene
Concen: 23.482 ng
RT: 6.54 min Scan# 783
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Tgt Ion:	146	Resp:	433787
Ion Ratio	Lower	Upper	
146	100		
148	63.9	52.6	78.8
75	29.4	22.6	34.0





#13

1,4-Dichlorobenzene

Concen: 24.076 ng

RT: 6.62 min Scan# 797

Delta R.T. 0.01 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Instrument :

BNA_F

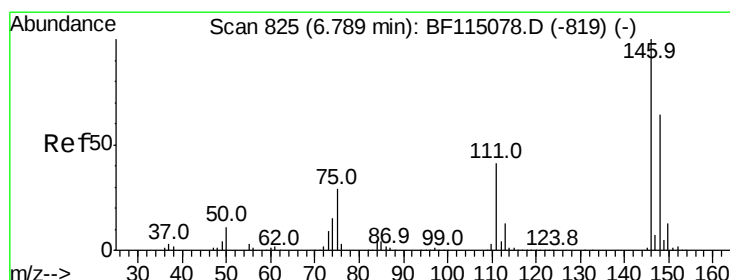
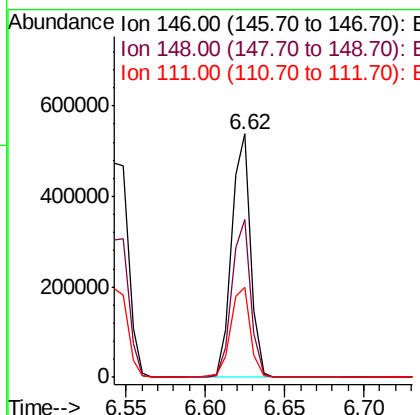
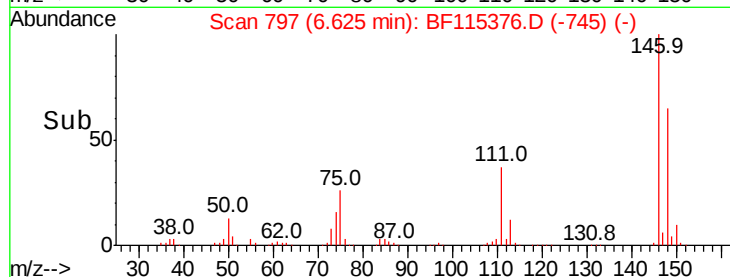
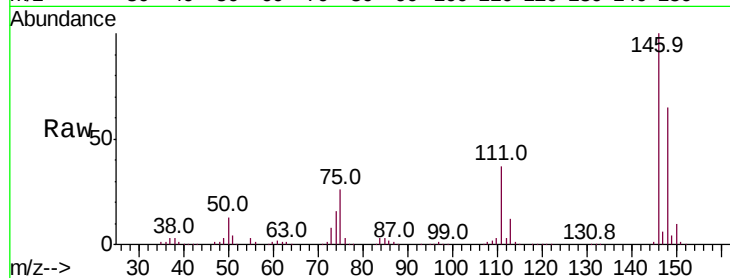
ClientSampleId :

NB-SOIL-PILEMS

Tot Ion:	146	Resp:	445993
Ion Ratio	Lower	Upper	
146	100		
148	64.9	51.9	77.9
111	37.2	31.4	47.0

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#14

1,2-Dichlorobenzene

Concen: 24.259 ng

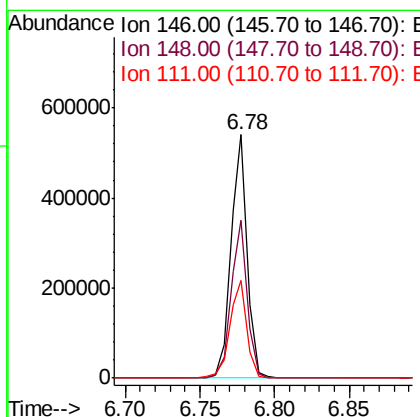
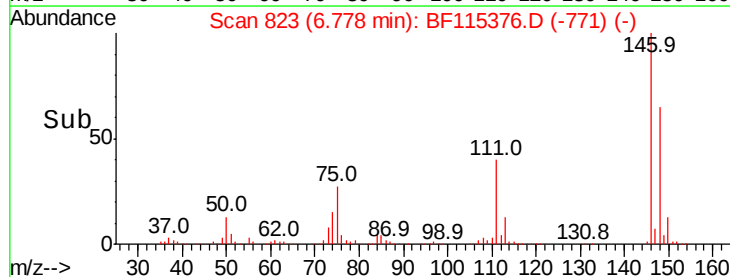
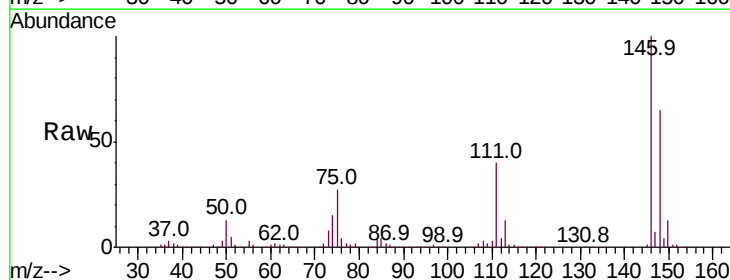
RT: 6.78 min Scan# 823

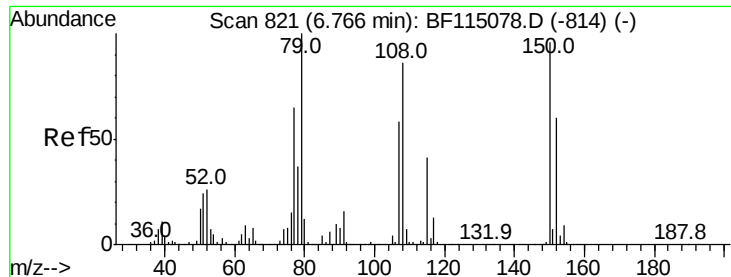
Delta R.T. 0.01 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Tgt Ion:	146	Resp:	416148
Ion Ratio	Lower	Upper	
146	100		
148	65.0	51.1	76.7
111	40.3	33.2	49.8





#15

Benzyl Alcohol

Concen: 21.964 ng

RT: 6.75 min Scan# 819

Delta R.T. 0.01 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMS

Tot Ion: 79 Resp: 287352

Ion Ratio Lower Upper

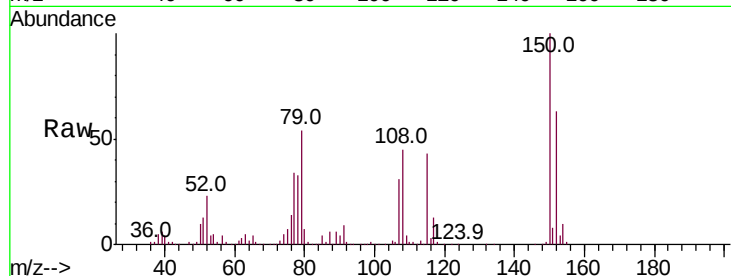
79 100

108 83.0 68.7 103.1

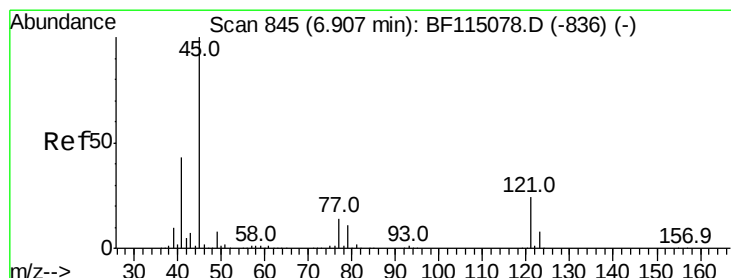
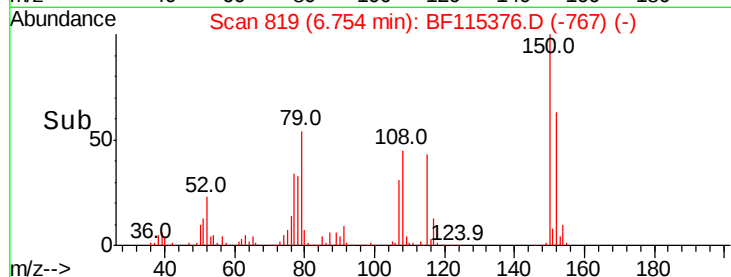
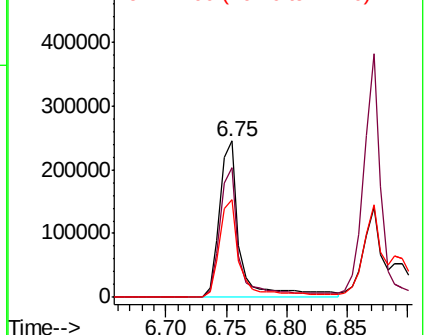
77 62.8 51.7 77.5

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Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 22.135 ng

RT: 6.89 min Scan# 842

Delta R.T. 0.00 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

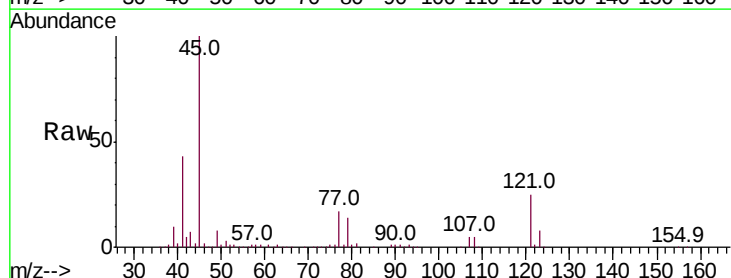
Tgt Ion: 45 Resp: 498064

Ion Ratio Lower Upper

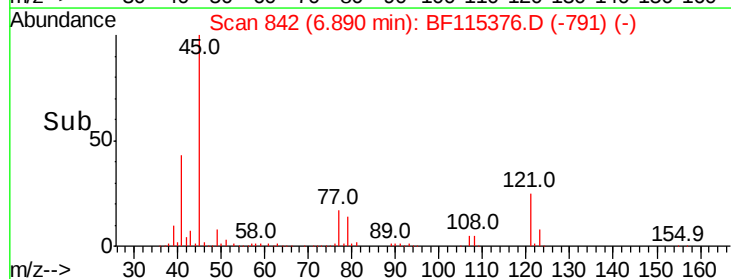
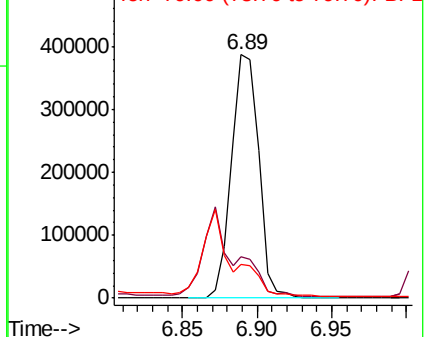
45 100

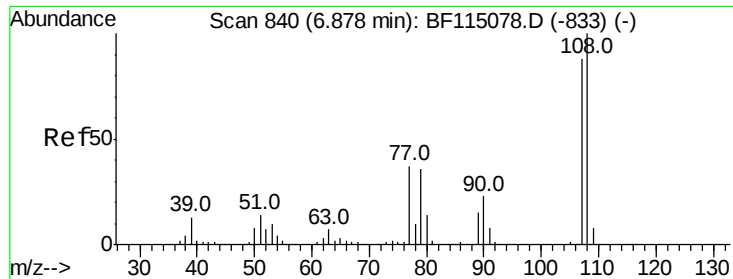
77 16.9 0.0 34.6

79 13.6 0.0 31.2



Abundance Ion 45.00 (44.70 to 45.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1





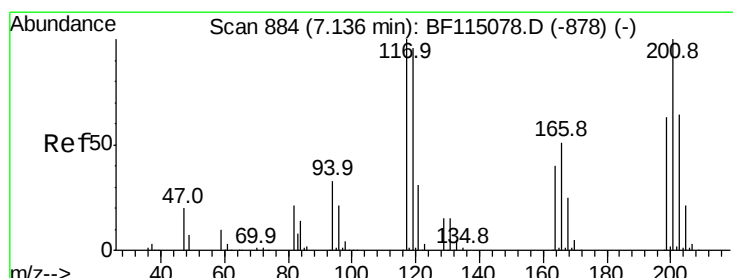
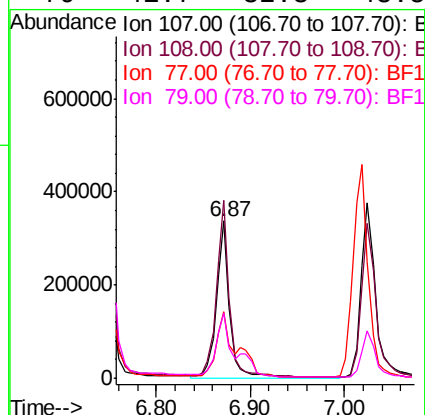
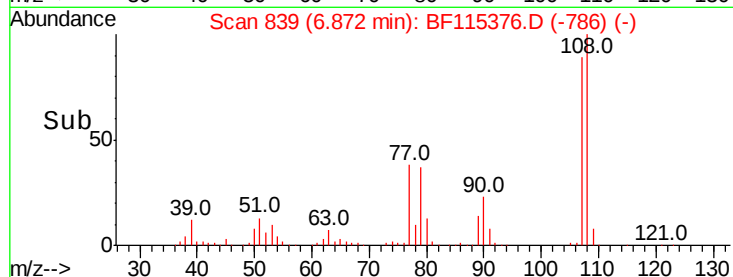
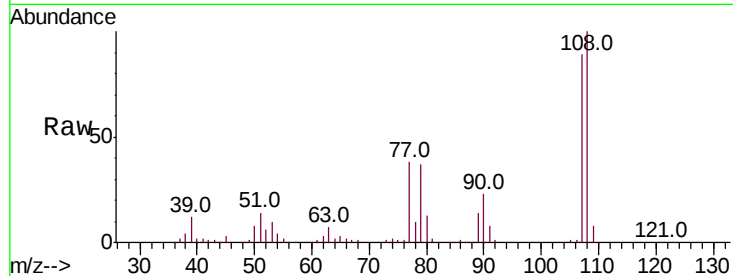
#17
2-Methylphenol
Concen: 24.644 ng
RT: 6.87 min Scan# 839
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	113.0	90.9	136.3	
77	42.7	33.4	50.2	
79	41.7	32.3	48.5	

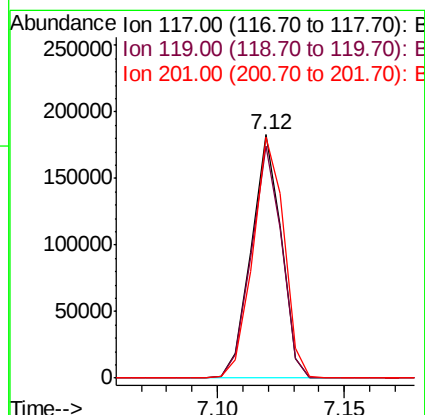
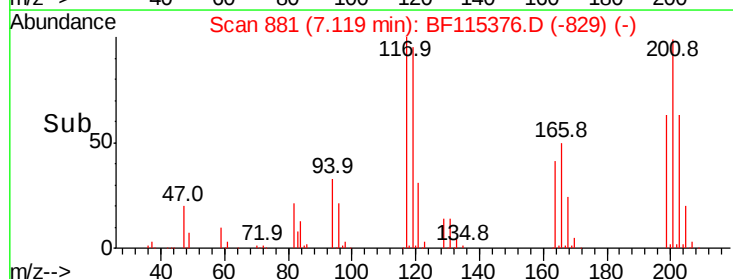
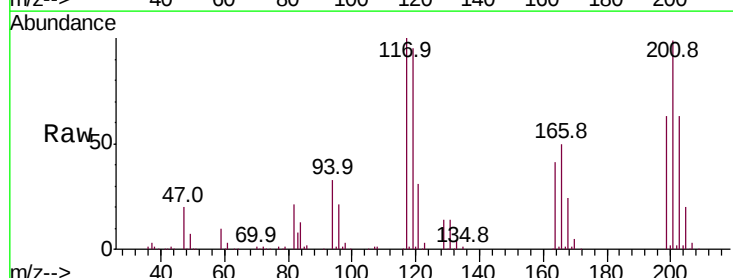
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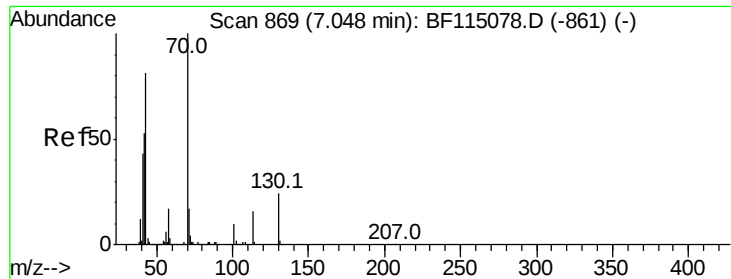
mohammad
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#18
Hexachloroethane
Concen: 22.624 ng
RT: 7.12 min Scan# 881
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.5	76.6	114.8	
201	99.1	80.2	120.2	





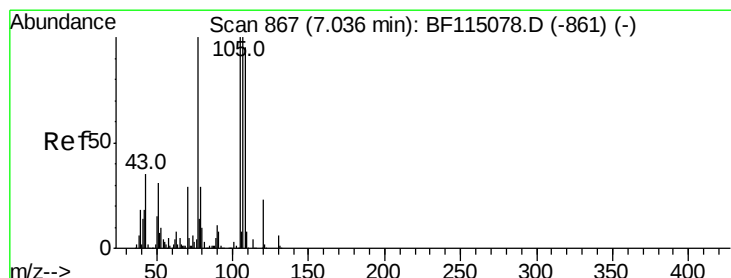
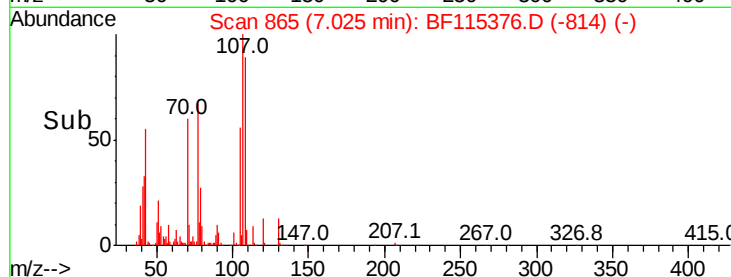
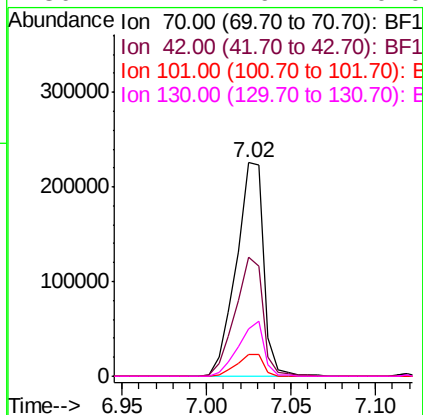
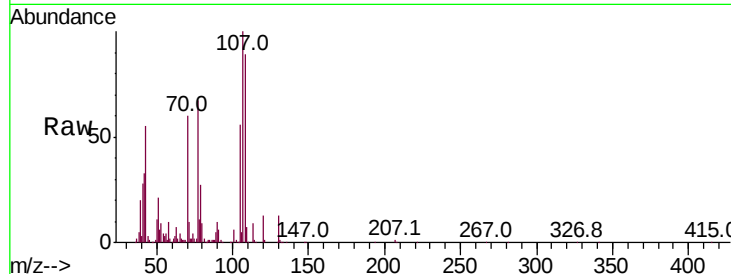
#19
n-Nitroso-di-n-propylamine
Concen: 22.258 ng
RT: 7.02 min Scan# 865
Delta R.T. 0.00 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMS

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	55.6	42.6	63.8	
101	10.3	8.0	12.0	
130	22.2	19.4	29.0	

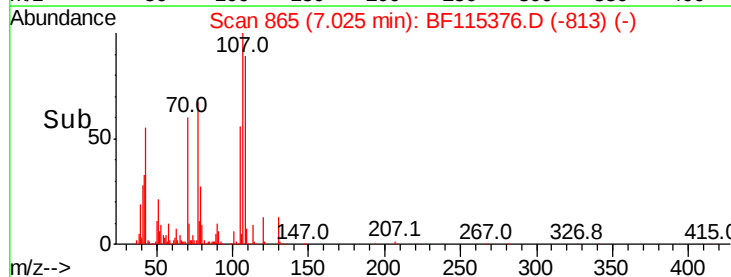
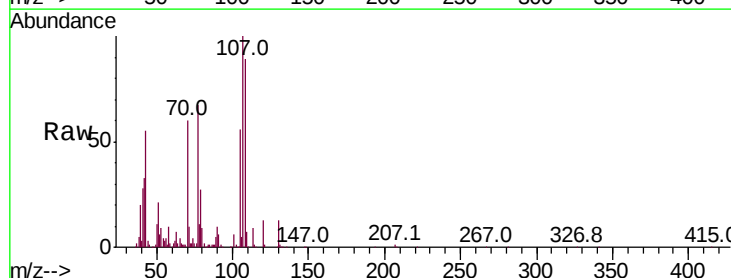
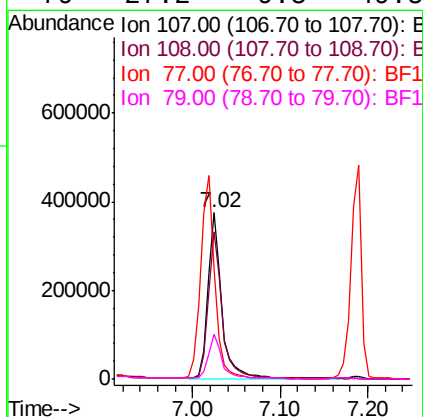
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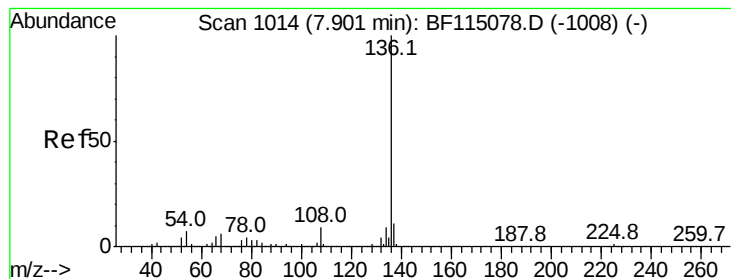
mohammad
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#20
3+4-Methylphenols
Concen: 25.504 ng
RT: 7.02 min Scan# 865
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	88.7	75.5	115.5	
77	66.5	80.2	120.2	
79	27.2	9.5	49.5	





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.89 min Scan# 1012

Delta R.T. 0.01 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Instrument :

BNA_F

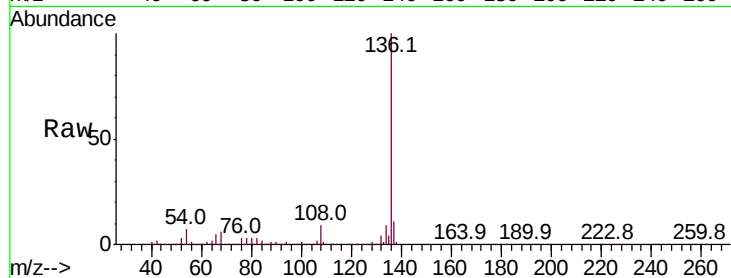
ClientSampleId :

NB-SOIL-PILEMS

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.2	8.9	13.3	
54	6.5	5.6	8.4	
68	5.8	4.8	7.2	

Manual Integrations
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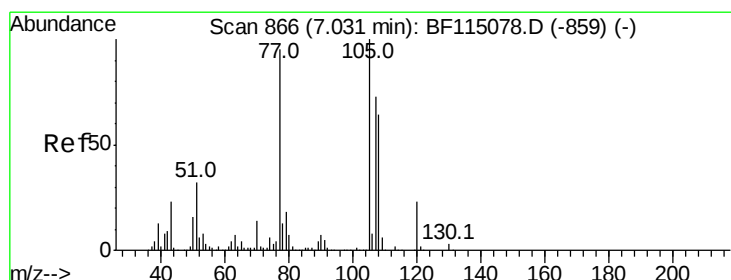
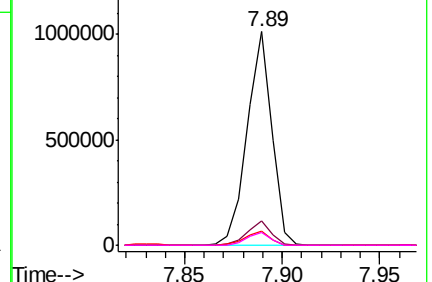
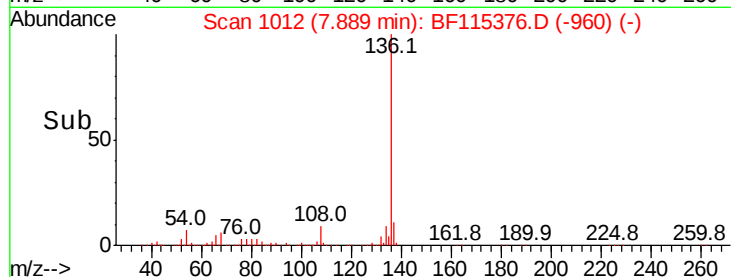
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 26.832 ng

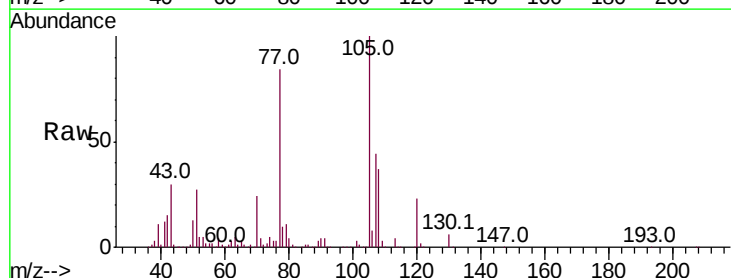
RT: 7.02 min Scan# 864

Delta R.T. 0.01 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	4.3	1.9	2.9#	
51	27.1	25.8	38.8	
120	23.0	18.5	27.7	



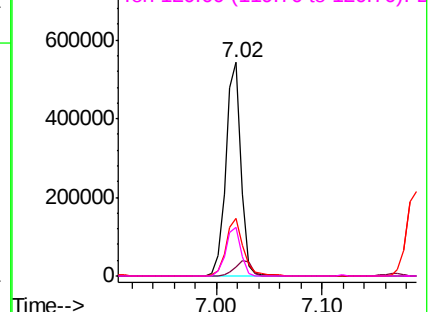
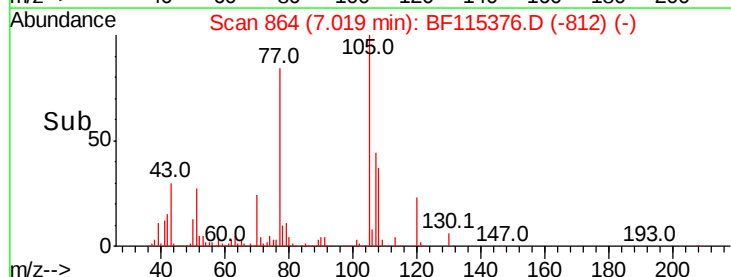
Abundance

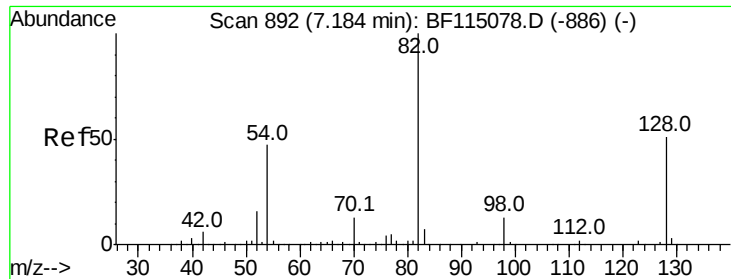
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





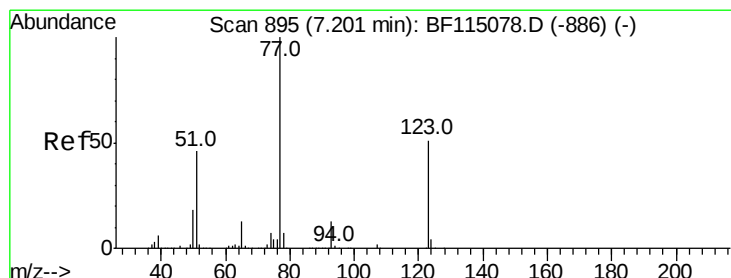
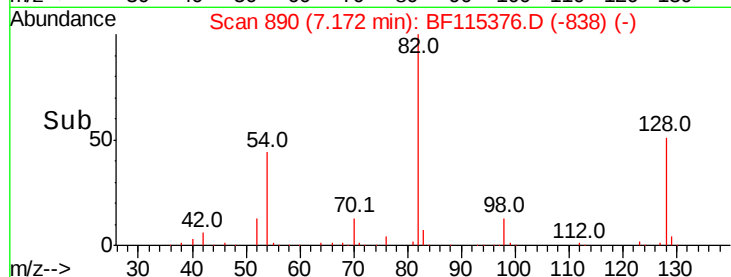
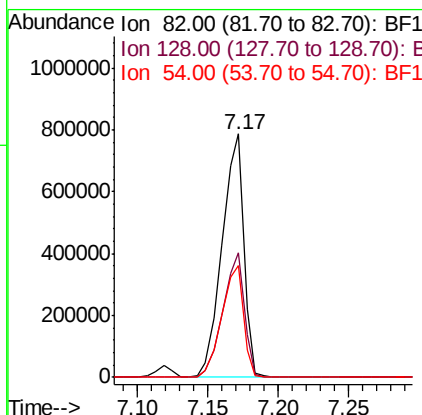
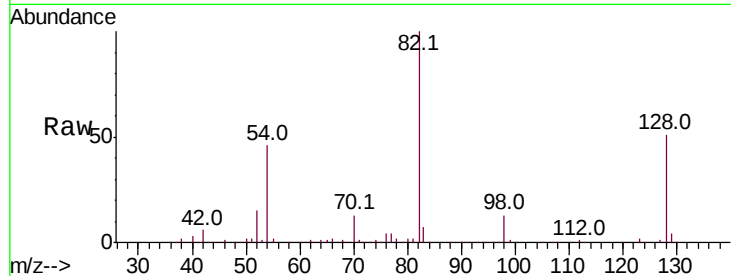
#23
Nitrobenzene-d5
Concen: 58.233 ng
RT: 7.17 min Scan# 890
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMS

Tot Ion	Ratio	Lower	Upper
82	100		
128	51.3	40.4	60.6
54	45.7	37.5	56.3

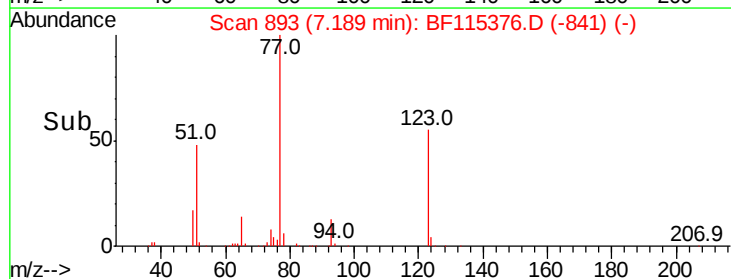
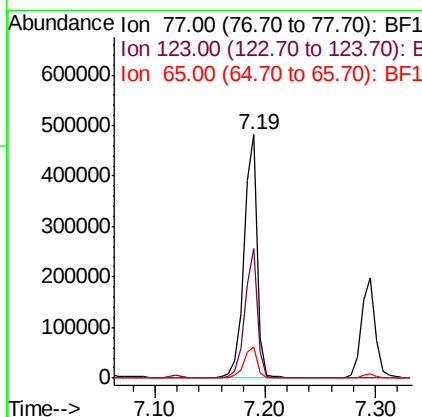
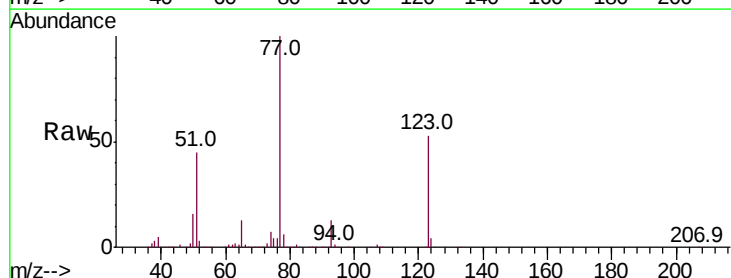
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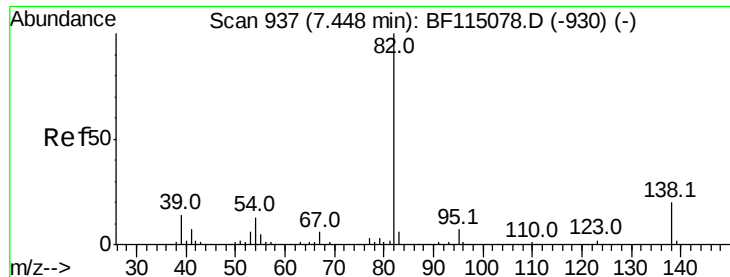
mohammad
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#24
Nitrobenzene
Concen: 25.222 ng
RT: 7.19 min Scan# 893
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Tgt Ion	Ratio	Lower	Upper
77	100		
123	53.2	41.0	61.6
65	12.7	10.5	15.7





#25

Isophorone

Concen: 24.062 ng

RT: 7.43 min Scan# 934

Delta R.T. 0.01 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Instrument :

BNA_F

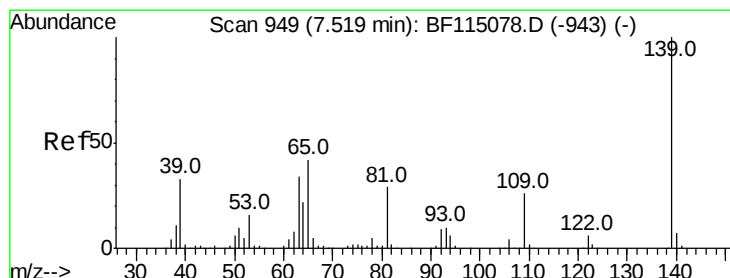
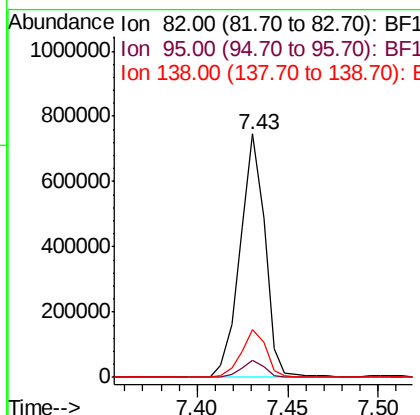
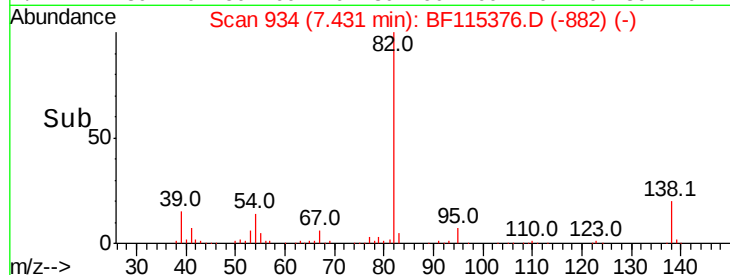
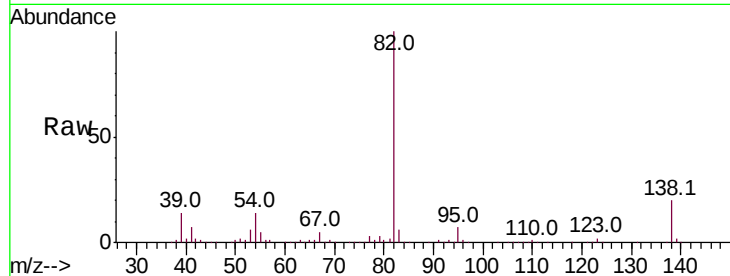
ClientSampleId :

NB-SOIL-PILEMS

Tot Ion:	82	Resp:	713318
Ion Ratio	Lower	Upper	
82	100		
95	6.9	5.4	8.2
138	19.6	15.9	23.9

Manual Integrations
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#26

2-Nitrophenol

Concen: 26.770 ng

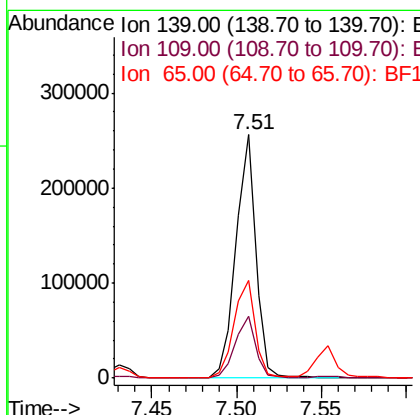
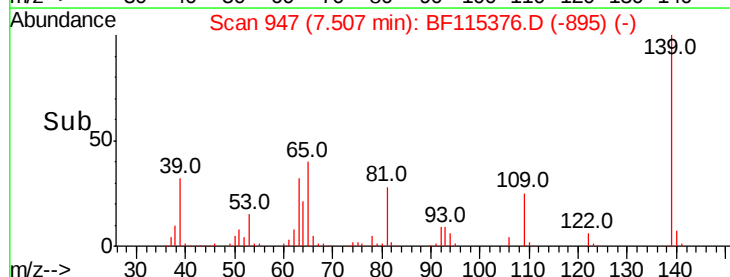
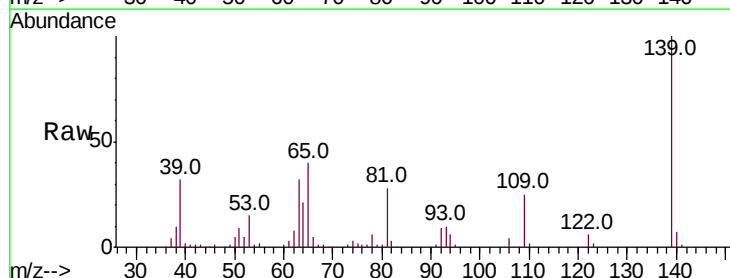
RT: 7.51 min Scan# 947

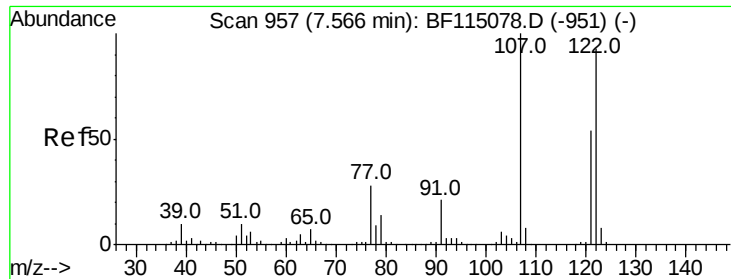
Delta R.T. 0.01 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Tgt Ion:	139	Resp:	210761
Ion Ratio	Lower	Upper	
139	100		
109	25.2	20.4	30.6
65	40.4	33.6	50.4





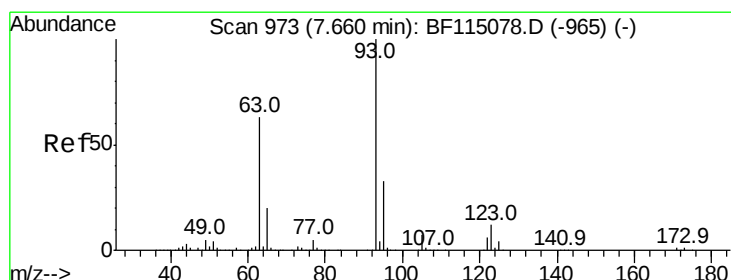
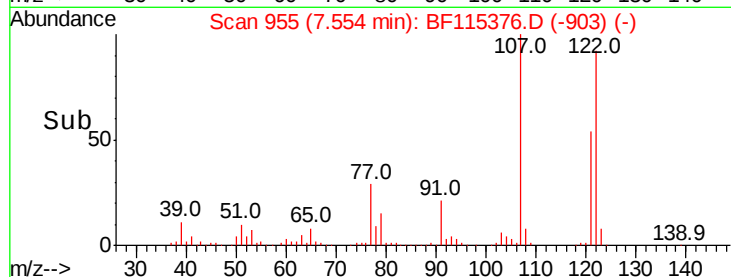
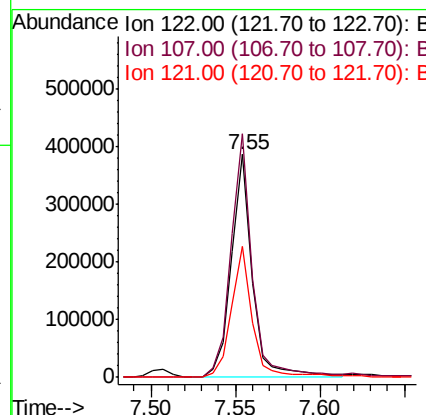
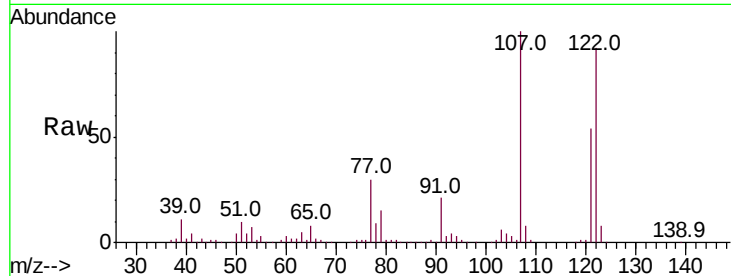
#27
2,4-Dimethylphenol
Concen: 25.979 ng
RT: 7.55 min Scan# 955
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMS

Tot Ion	Ratio	Lower	Upper
122	100		
107	109.1	85.8	128.6
121	58.7	46.3	69.5

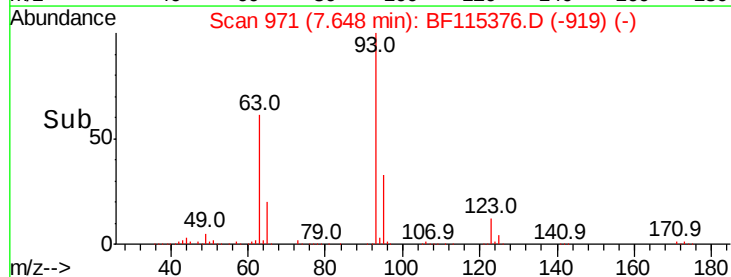
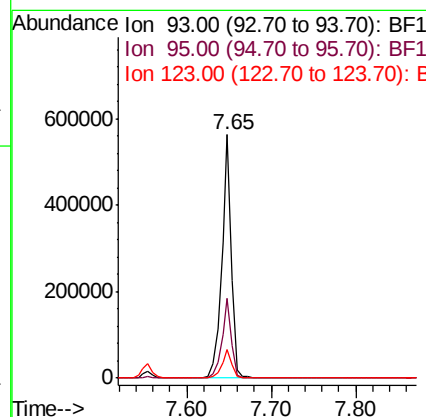
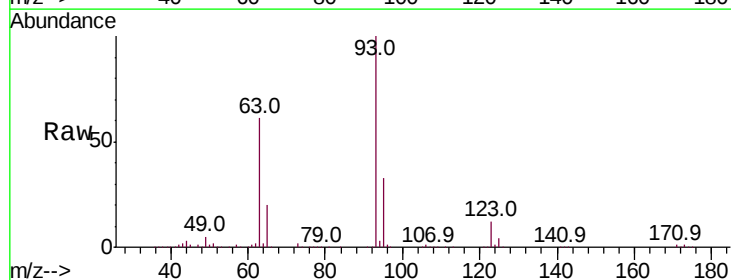
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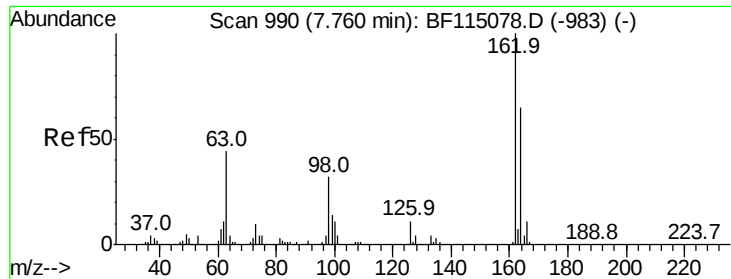
mohammad
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#28
bis(2-Chloroethoxy)methane
Concen: 24.525 ng
RT: 7.65 min Scan# 971
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.2	39.4
123	11.9	9.7	14.5





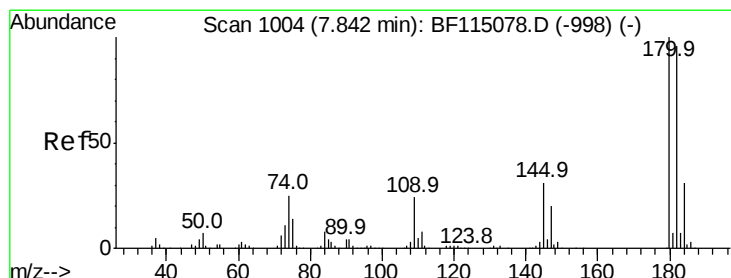
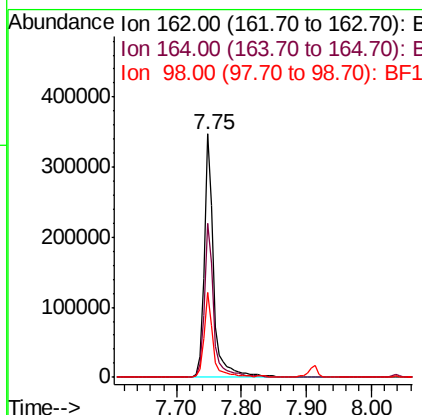
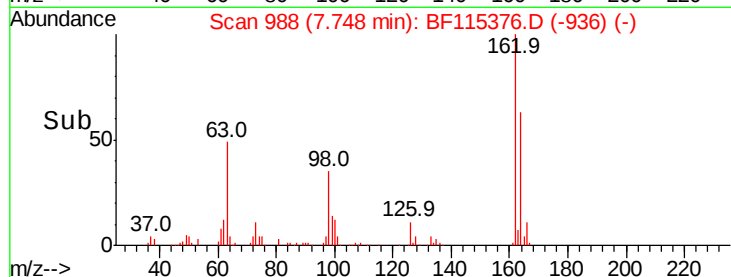
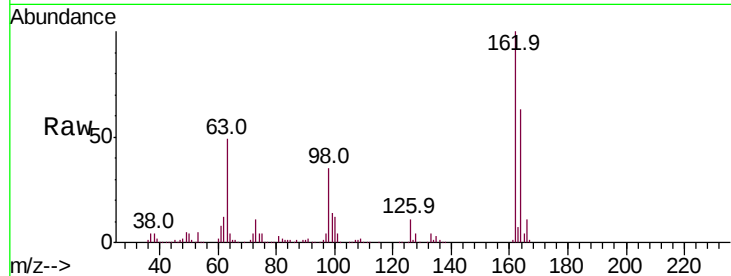
#29
2,4-Dichlorophenol
Concen: 26.011 ng
RT: 7.75 min Scan# 988
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMS

Tot Ion	Ratio	Resp	Lower	Upper
162	100			
164	63.1	45.3	85.3	
98	34.7	12.5	52.5	

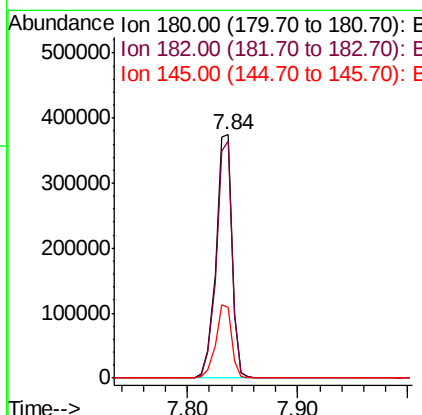
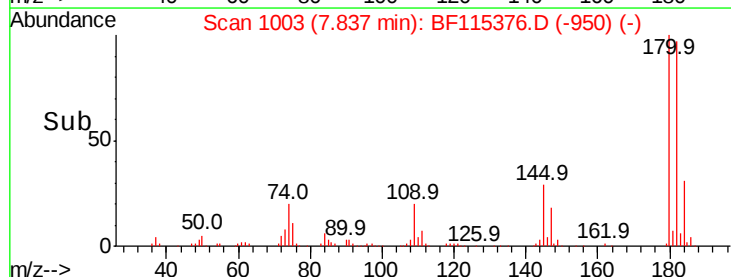
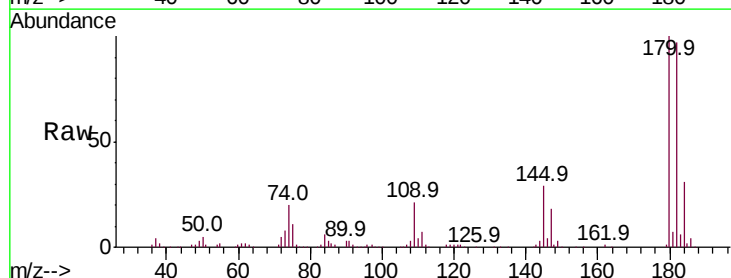
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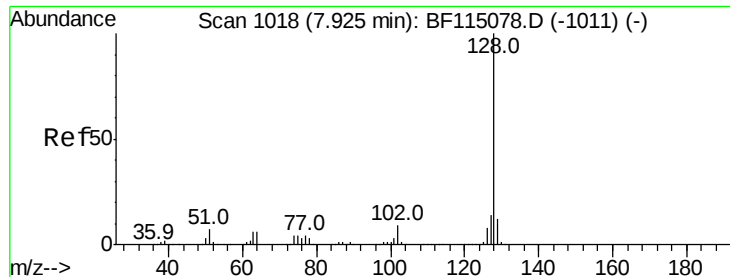
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#30
1,2,4-Trichlorobenzene
Concen: 25.716 ng
RT: 7.84 min Scan# 1003
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.4	76.4	114.6	
145	28.9	24.8	37.2	





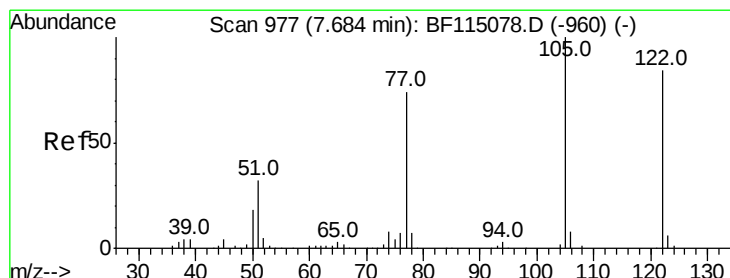
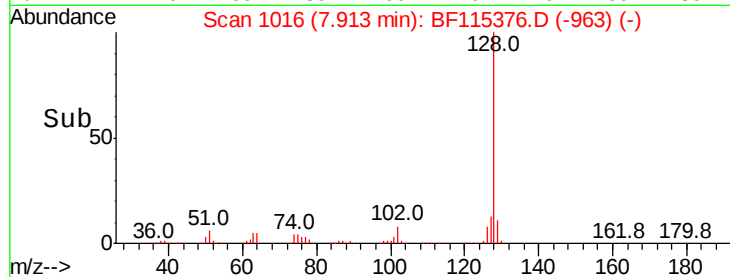
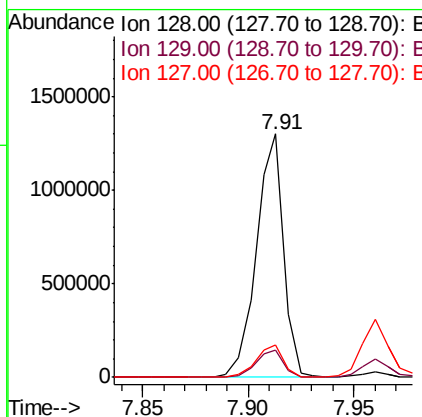
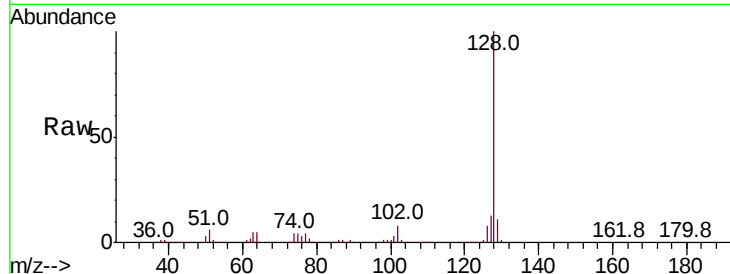
#31
Naphthalene
Concen: 26.614 ng
RT: 7.91 min Scan# 1016
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMS

Tot Ion:128 Resp: 1162953
Ion Ratio Lower Upper
128 100
129 11.3 9.6 14.4
127 13.3 11.4 17.0

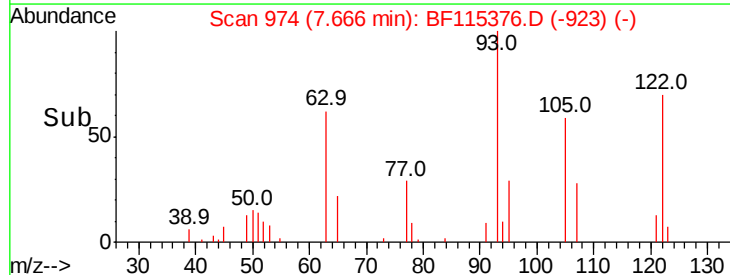
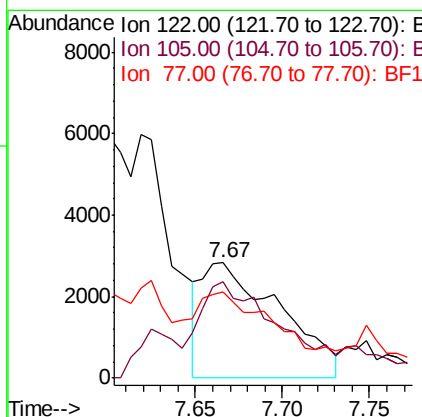
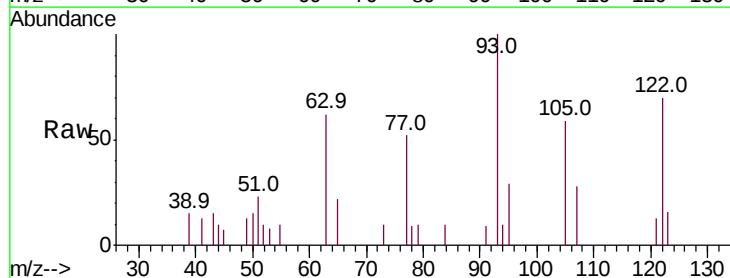
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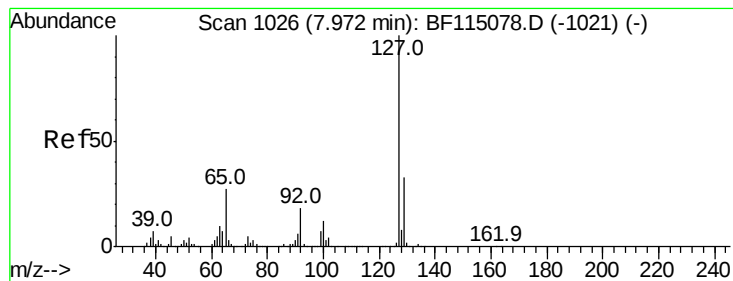
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#32
Benzoic acid
Concen: 0.967 ng m
RT: 7.67 min Scan# 974
Delta R.T. 0.00 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Tgt Ion:122 Resp: 8899
Ion Ratio Lower Upper
122 100
105 84.2 98.2 138.2#
77 74.5 67.0 107.0





#33

4-Chloroaniline

Concen: 14.906 ng

RT: 7.96 min Scan# 1024

Delta R.T. 0.01 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Instrument :

BNA_F

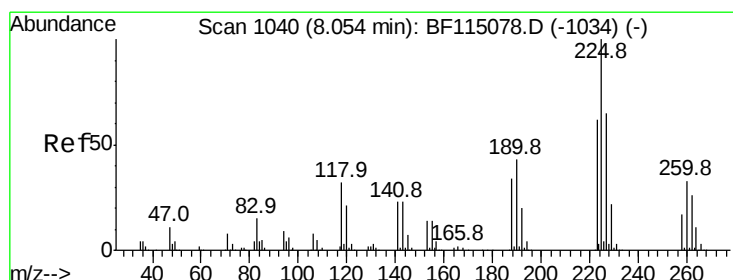
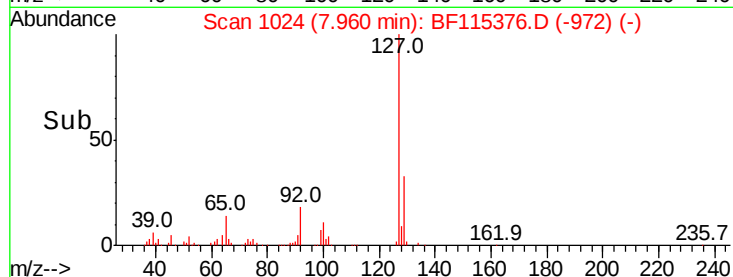
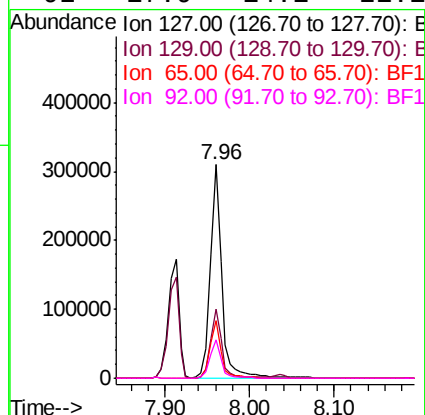
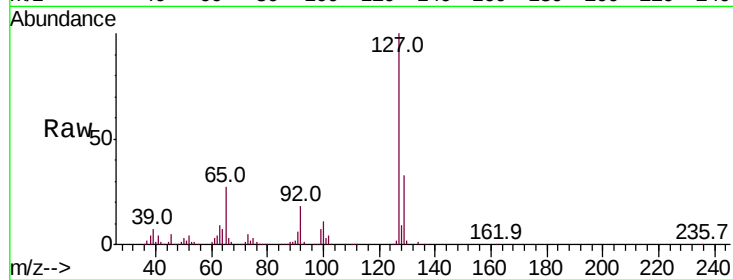
ClientSampleId :

NB-SOIL-PILEMS

Tot Ion	Ratio	Resp	Lower	Upper
127	100	297684		
129	32.6		26.1	39.1
65	26.7		21.4	32.2
92	17.9		14.1	21.1

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#34

Hexachlorobutadiene

Concen: 25.472 ng

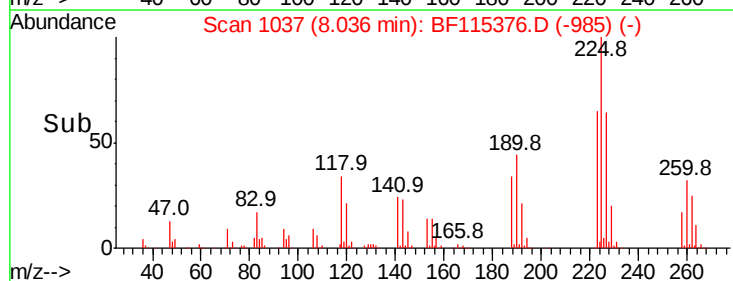
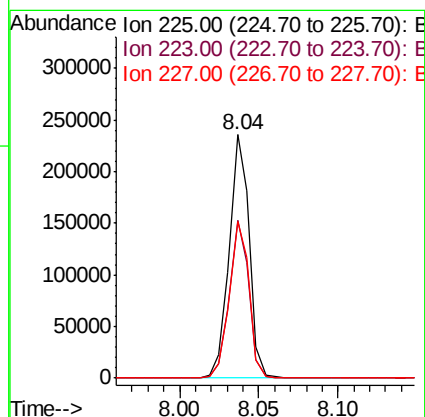
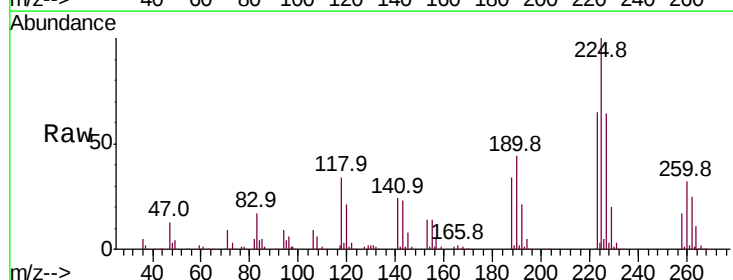
RT: 8.04 min Scan# 1037

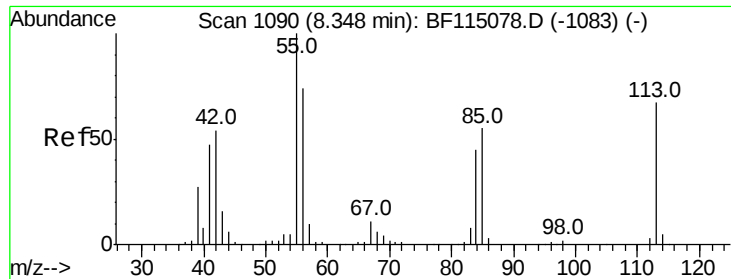
Delta R.T. 0.01 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	205111		
223	65.0		49.4	74.2
227	64.1		51.8	77.8





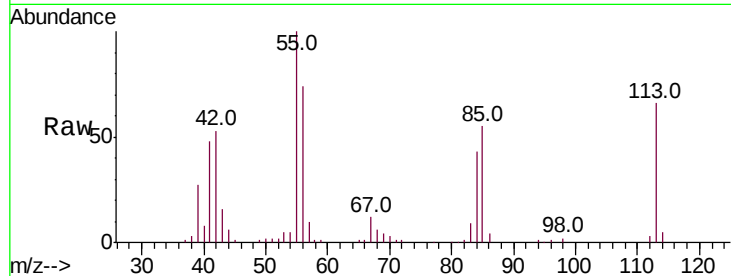
#35
Caprolactam
Concen: 18.883 ng/ml
RT: 8.31 min Scan# 1084
Delta R.T. -0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMS

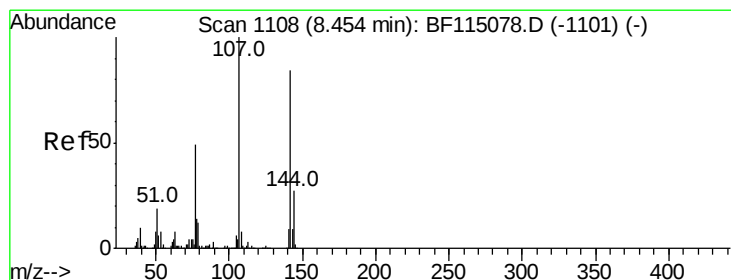
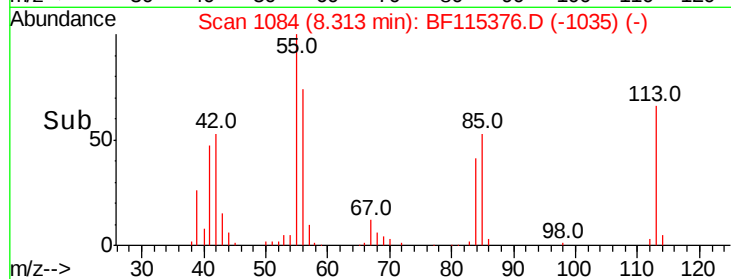
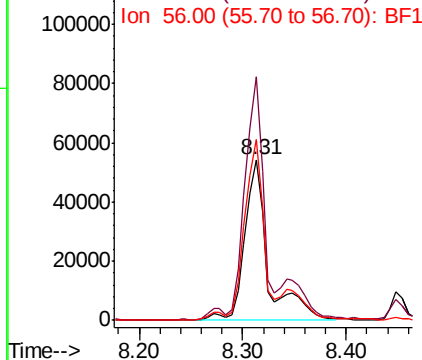
Tot Ion:113 Resp: 84455
Ion Ratio Lower Upper
113 100
55 151.6 130.2 170.2
56 112.8 91.6 131.6

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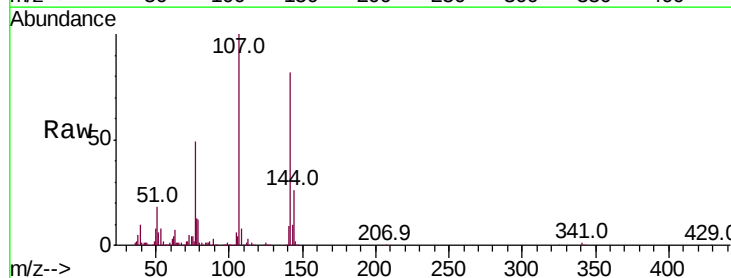


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

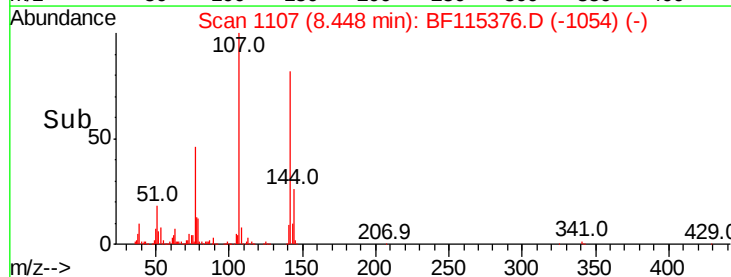
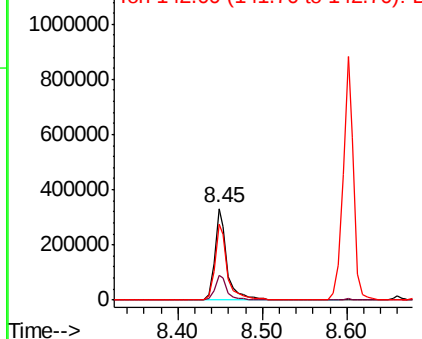


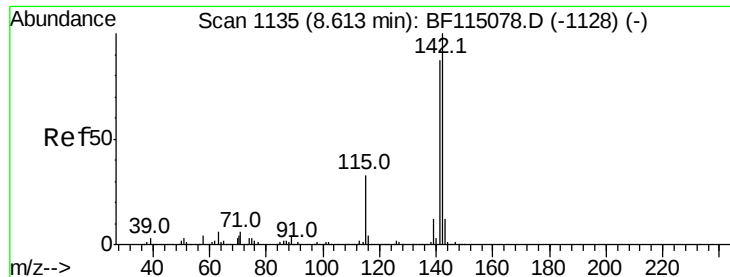
#36
4-Chloro-3-methylphenol
Concen: 25.612 ng
RT: 8.45 min Scan# 1107
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Tgt Ion:107 Resp: 345052
Ion Ratio Lower Upper
107 100
144 26.3 21.7 32.5
142 82.5 67.0 100.4



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E





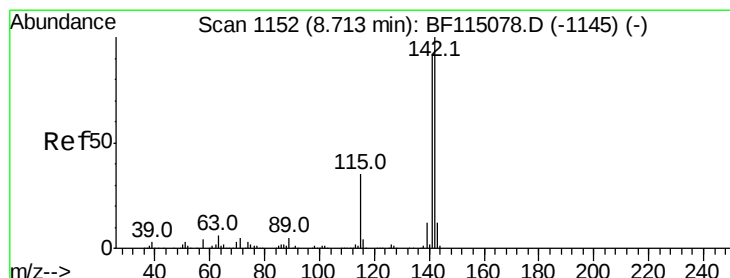
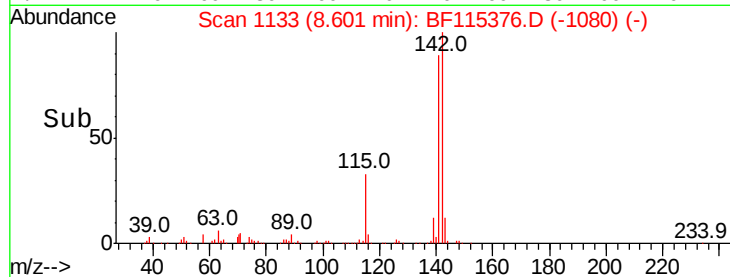
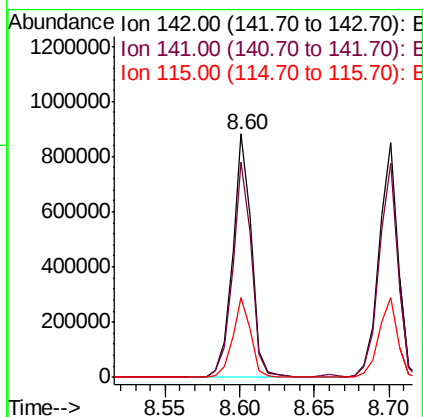
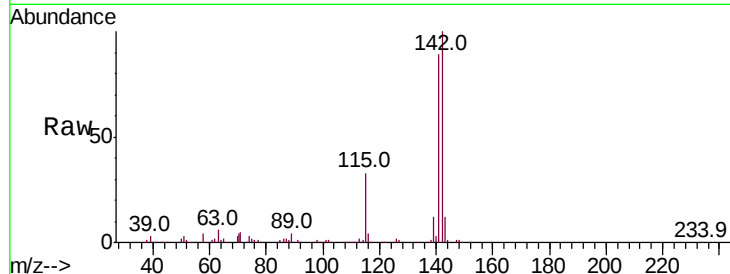
#37
2-Methylnaphthalene
Concen: 26.551 ng
RT: 8.60 min Scan# 1133
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMS

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.5	69.8	104.6
115	32.8	26.7	40.1

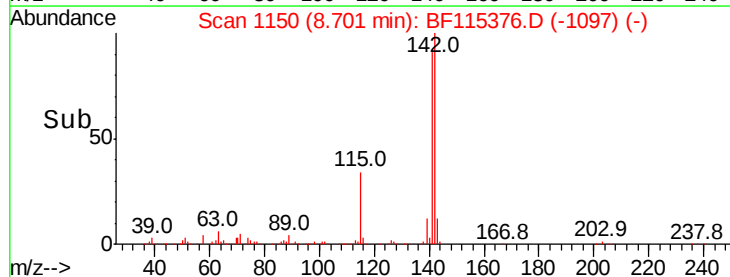
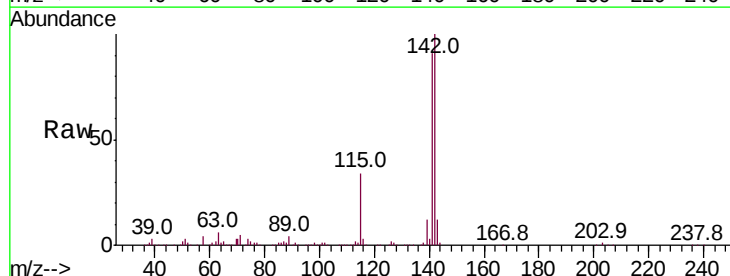
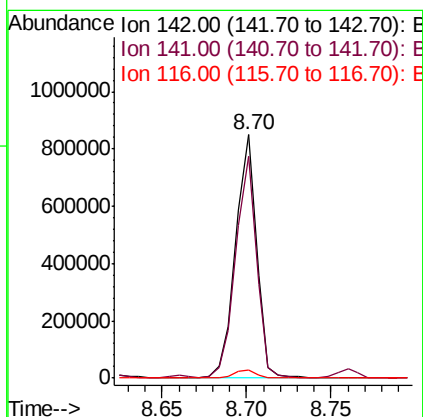
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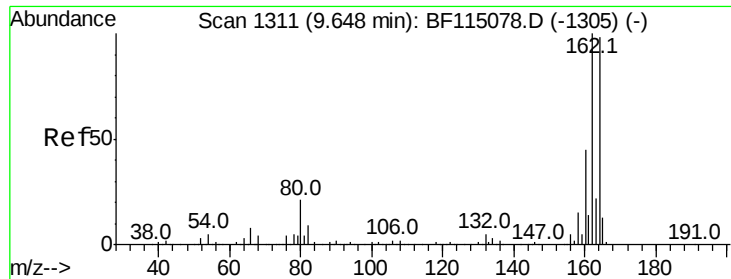
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#38
1-Methylnaphthalene
Concen: 25.995 ng
RT: 8.70 min Scan# 1150
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.8	110.8
116	3.5	2.8	4.2





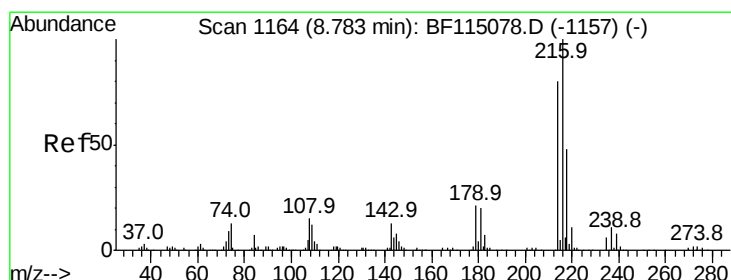
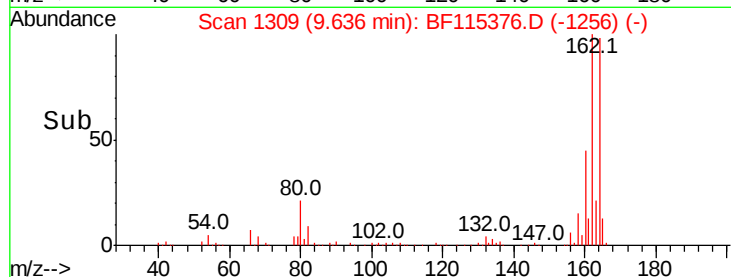
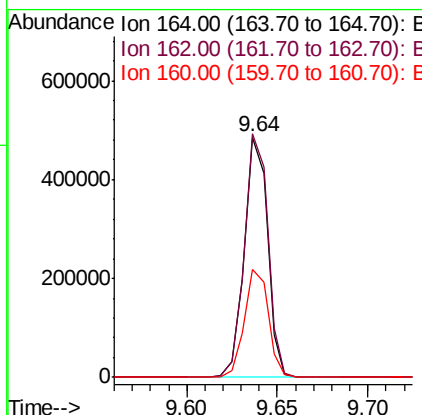
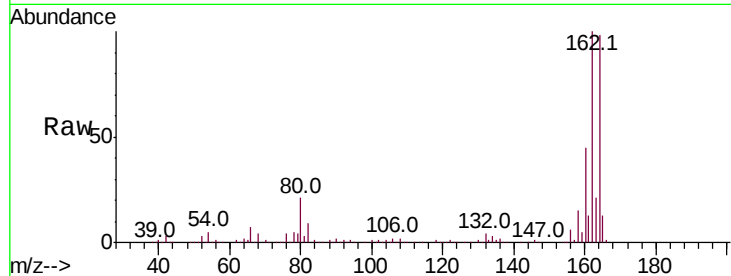
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.64 min Scan# 1309
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMS

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.5	81.7	122.5
160	45.2	37.0	55.4

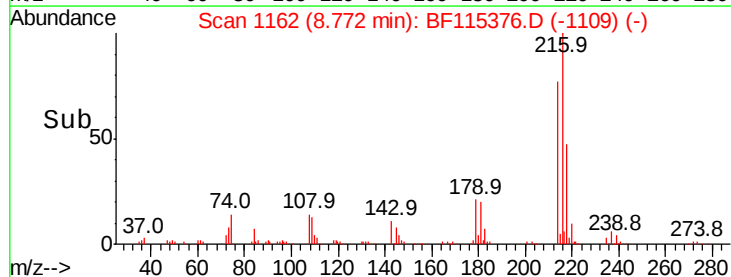
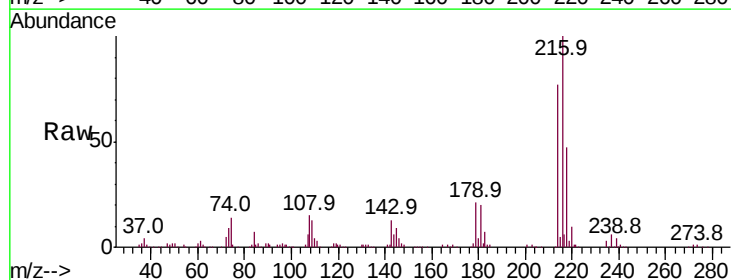
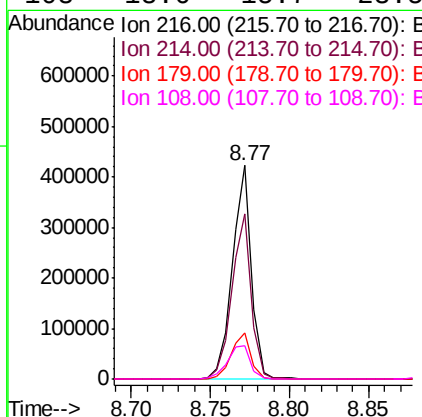
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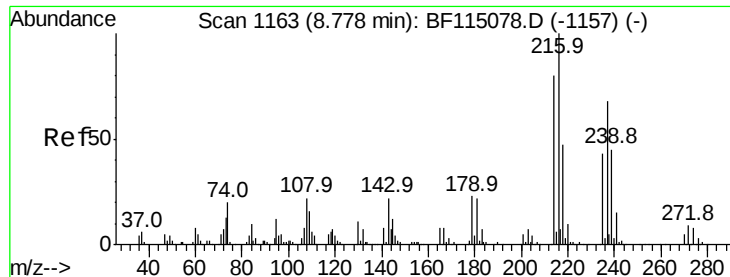
mohammad
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 28.651 ng
RT: 8.77 min Scan# 1162
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.8	95.6
179	21.9	17.6	26.4
108	18.6	15.7	23.5





#41

Hexachlorocyclopentadiene

Concen: 29.067 ng

RT: 8.76 min Scan# 1160

Delta R.T. 0.01 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMS

Tot Ion:237 Resp: 210747

Ion Ratio Lower Upper

237 100

235 62.5 43.9 83.9

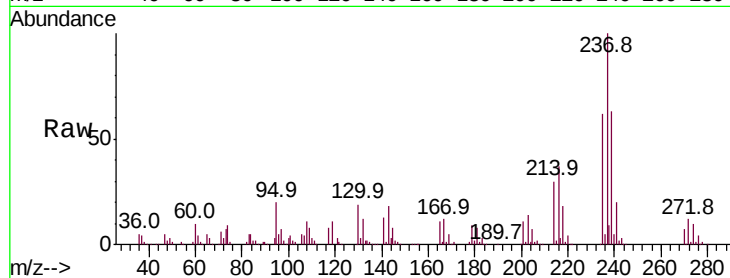
272 12.5 0.0 33.8

Manual Integrations

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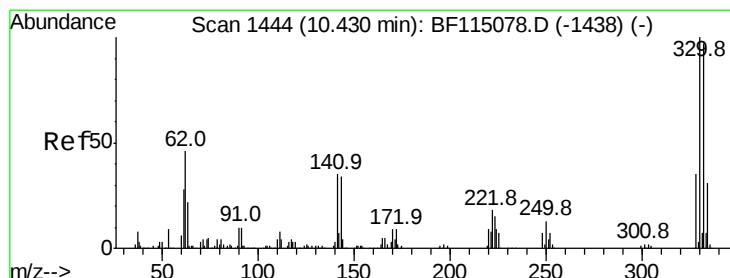
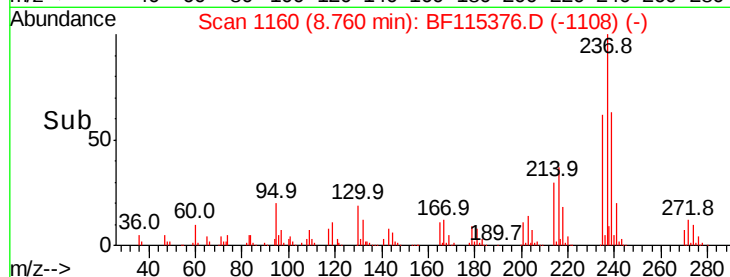
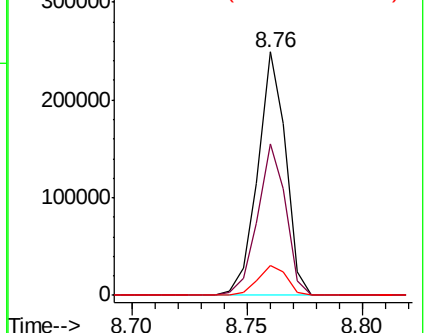
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Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 78.932 ng

RT: 10.42 min Scan# 1443

Delta R.T. 0.02 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

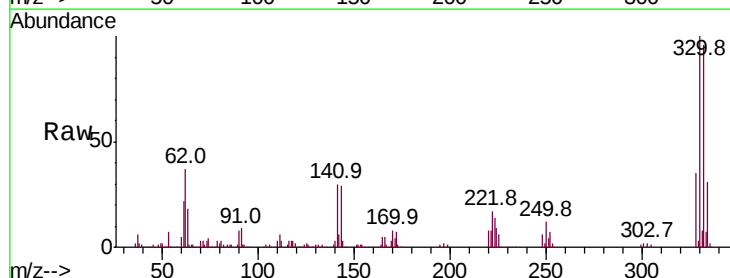
Tgt Ion:330 Resp: 360162

Ion Ratio Lower Upper

330 100

332 95.4 77.3 115.9

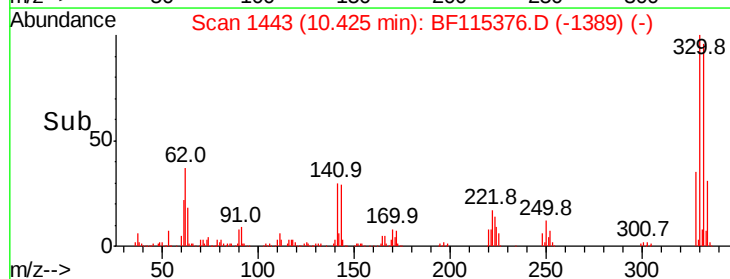
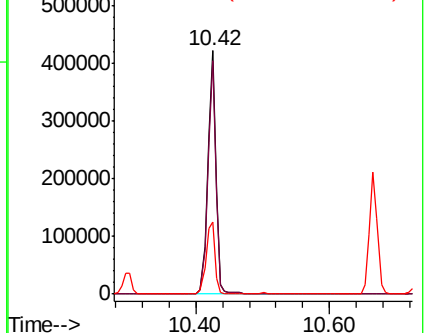
141 32.1 28.2 42.2

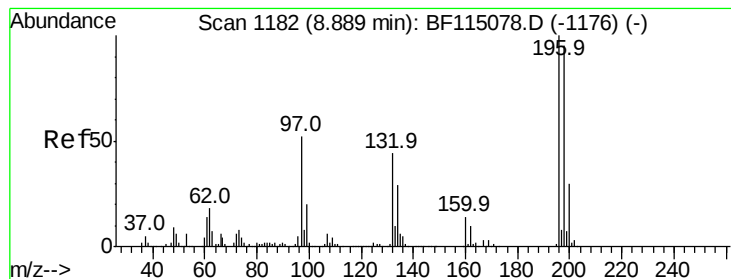


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#43

2,4,6-Trichlorophenol

Concen: 24.609 ng

RT: 8.88 min Scan# 1181

Delta R.T. 0.01 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Instrument :

BNA_F

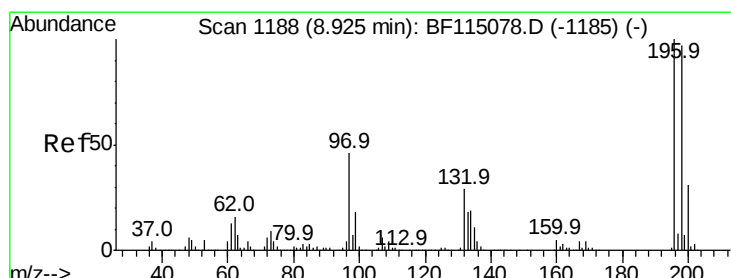
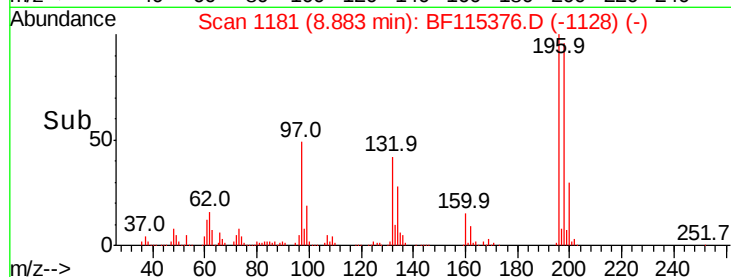
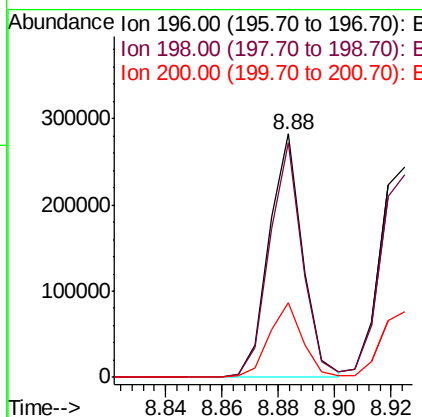
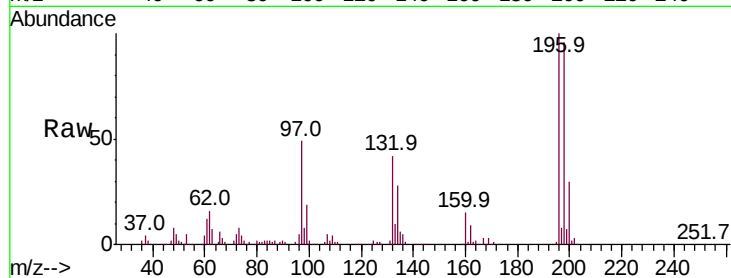
ClientSampleId :

NB-SOIL-PILEMS

Tot Ion:	196	Resp:	232304
Ion Ratio	Lower	Upper	
196	100		
198	96.4	76.3	114.5
200	30.4	24.2	36.4

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#44

2,4,5-Trichlorophenol

Concen: 26.549 ng

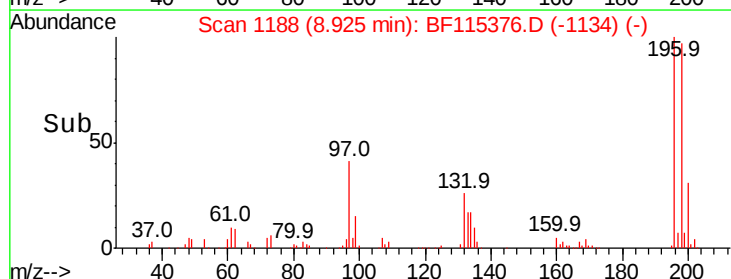
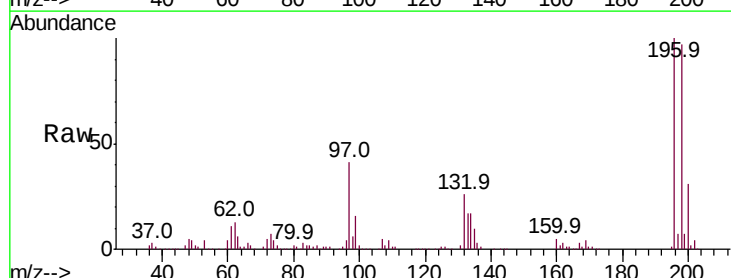
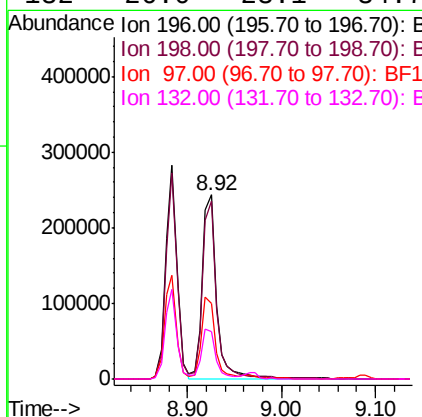
RT: 8.92 min Scan# 1188

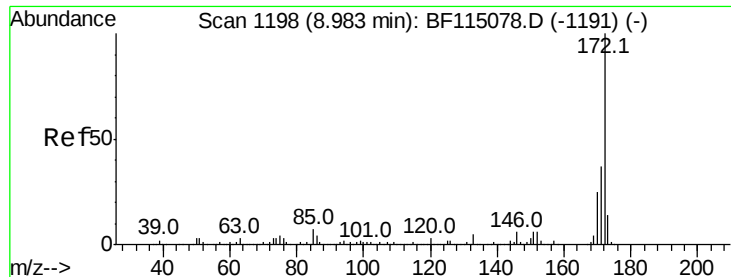
Delta R.T. 0.02 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Tgt Ion:	196	Resp:	258094
Ion Ratio	Lower	Upper	
196	100		
198	96.8	77.1	115.7
97	40.9	37.7	56.5
132	26.0	23.1	34.7





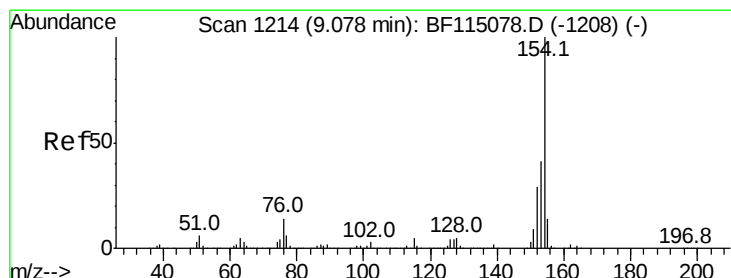
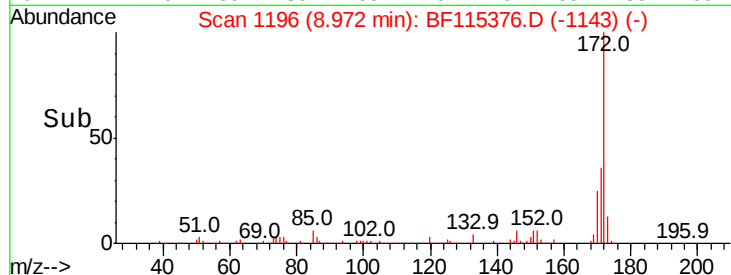
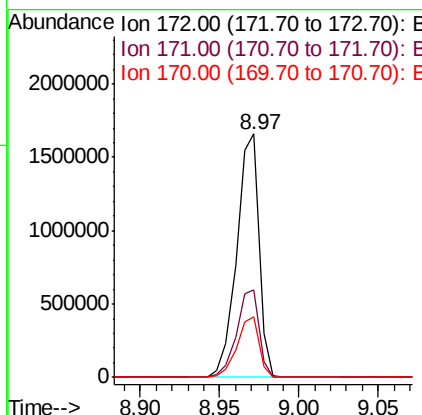
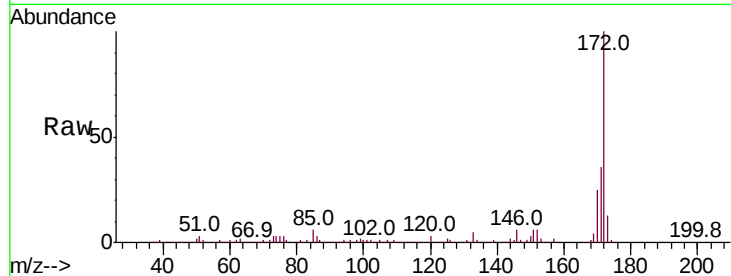
#45
2-Fluorobiphenyl
Concen: 63.522 ng
RT: 8.97 min Scan# 1196
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMS

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.8	44.6
170	24.9	20.3	30.5

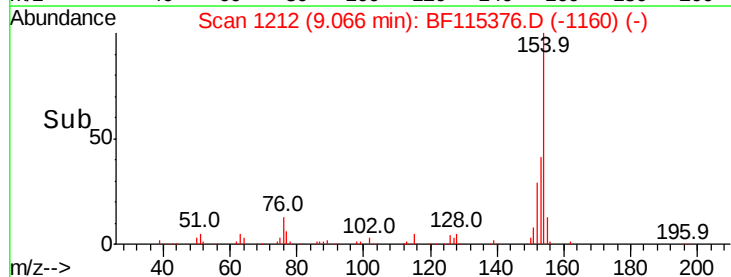
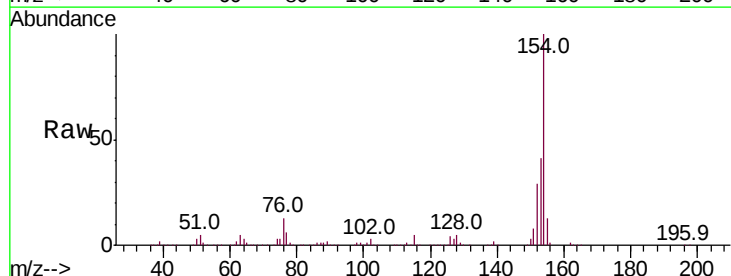
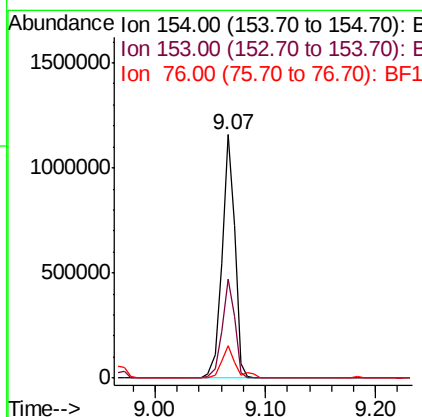
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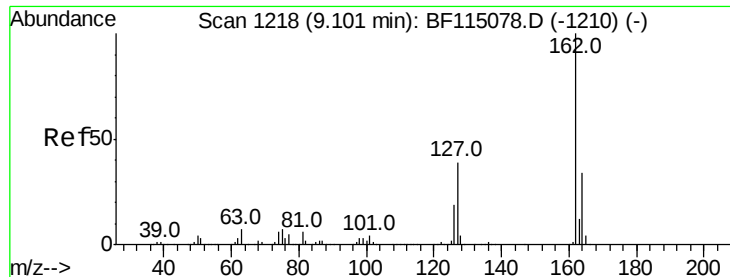
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#46
1,1'-Biphenyl
Concen: 26.977 ng
RT: 9.07 min Scan# 1212
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.8	20.9	60.9
76	13.2	0.0	34.1





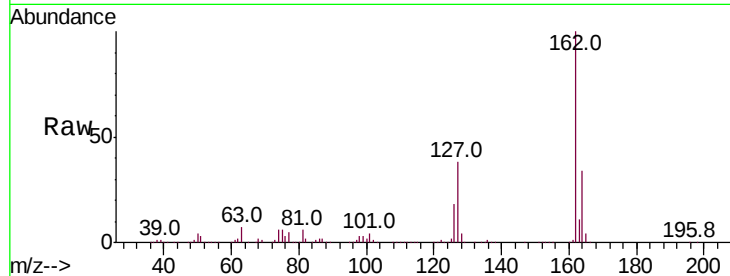
#47
2-Chloronaphthalene
Concen: 26.034 ng
RT: 9.09 min Scan# 1216
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMS

Tot Ion	Ratio	Lower	Upper
162	100		
127	38.2	30.8	46.2
164	33.8	27.0	40.4

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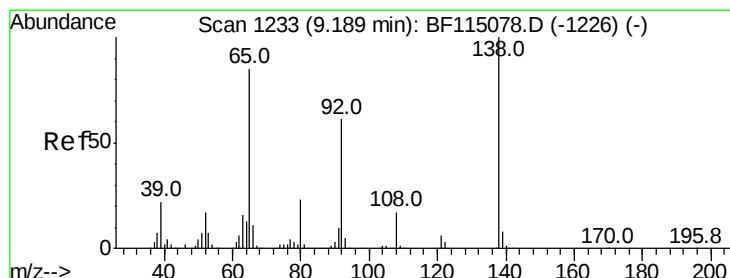
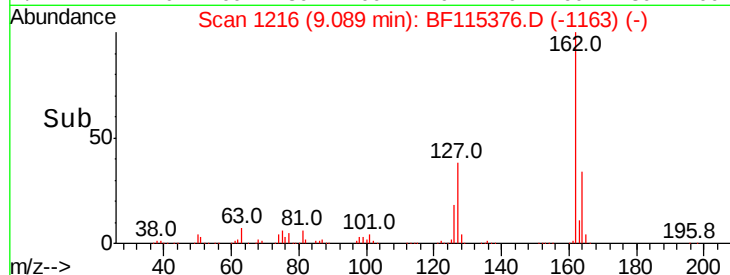
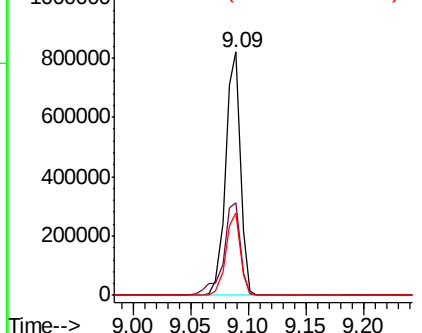


Abundance

Ion 162.00 (161.70 to 162.70): E

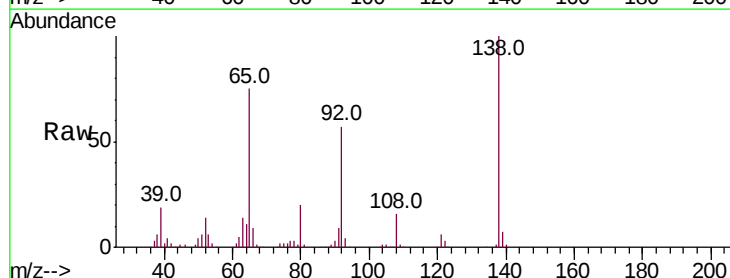
Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48
2-Nitroaniline
Concen: 25.700 ng
RT: 9.18 min Scan# 1232
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Tgt Ion	Ratio	Lower	Upper
65	100		
92	76.0	57.4	86.2
138	133.4	94.1	141.1

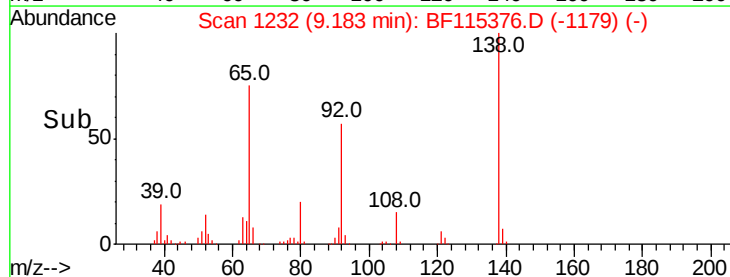
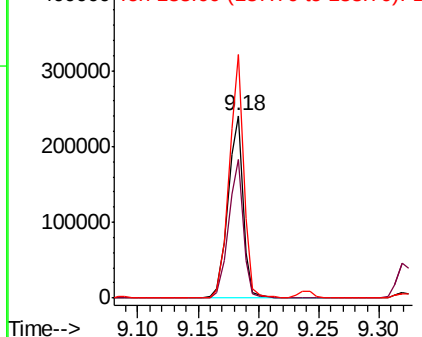


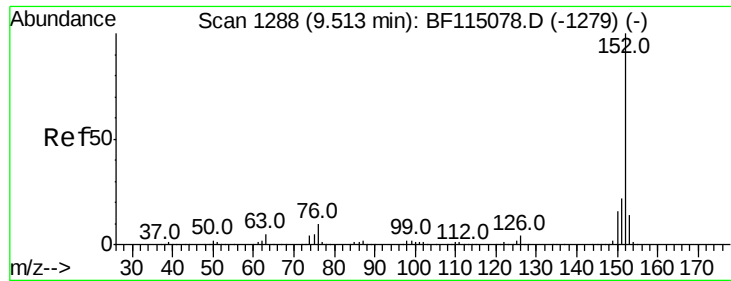
Abundance

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





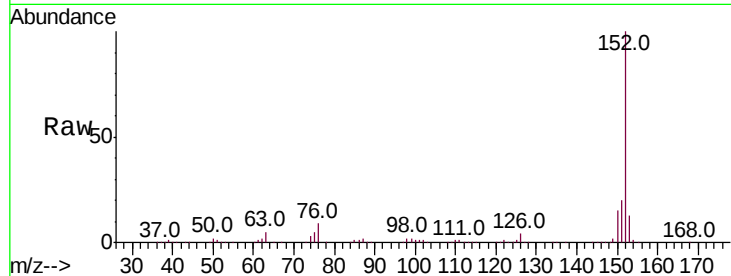
#49
Acenaphthylene
Concen: 26.494 ng
RT: 9.50 min Scan# 1286
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMS

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.4	17.2	25.8
153	13.2	11.0	16.6

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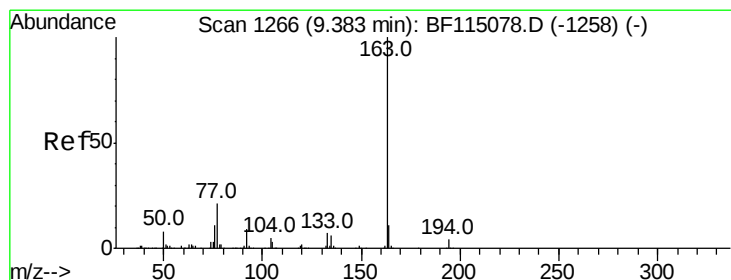
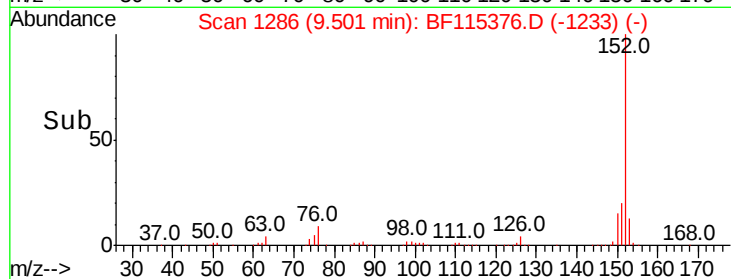
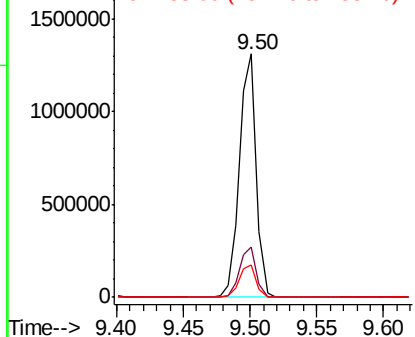


Abundance

Ion 152.00 (151.70 to 152.70): E

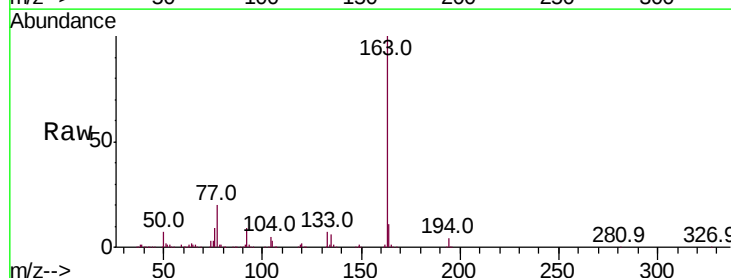
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50
Dimethylphthalate
Concen: 33.656 ng
RT: 9.37 min Scan# 1264
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.2	4.8
164	10.7	8.6	13.0

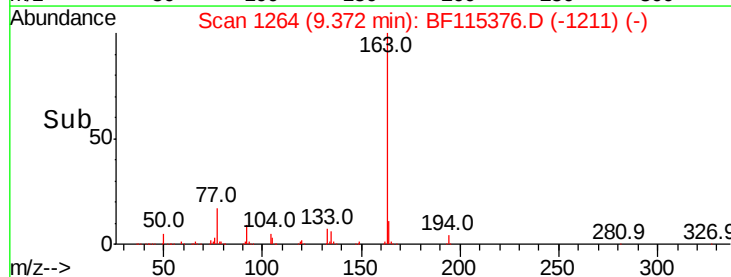
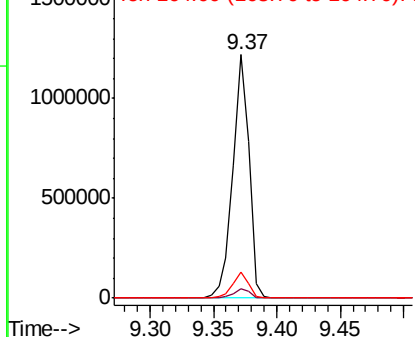


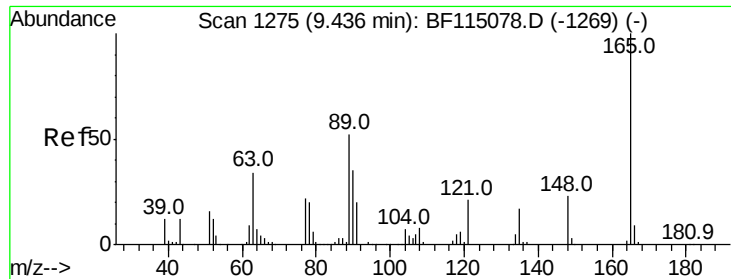
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





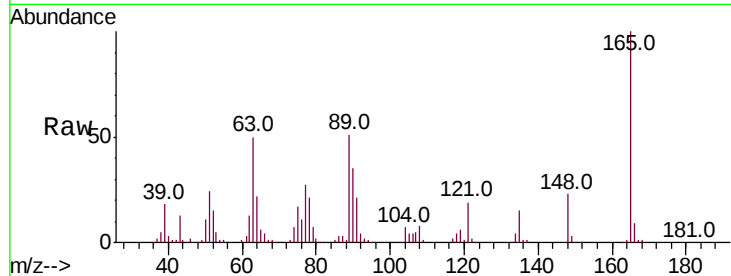
#51
2,6-Dinitrotoluene
Concen: 26.819 ng
RT: 9.42 min Scan# 1273
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	197111		
63	50.1	39.4	59.2	
89	50.6	42.0	63.0	

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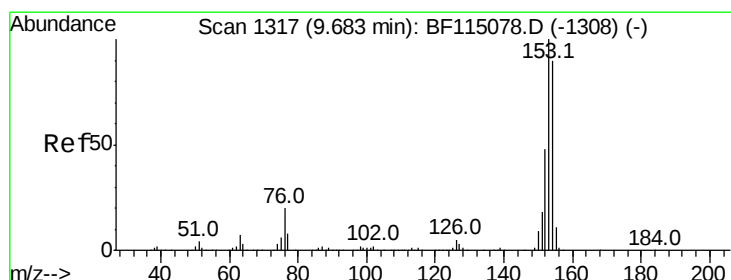
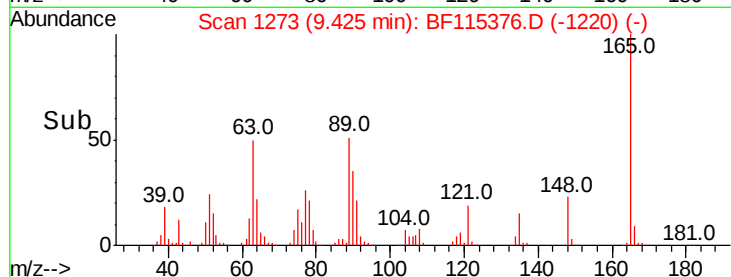
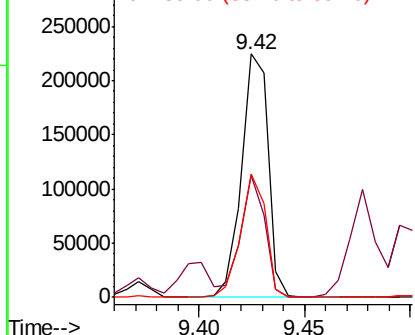


Abundance

Ion 165.00 (164.70 to 165.70): E

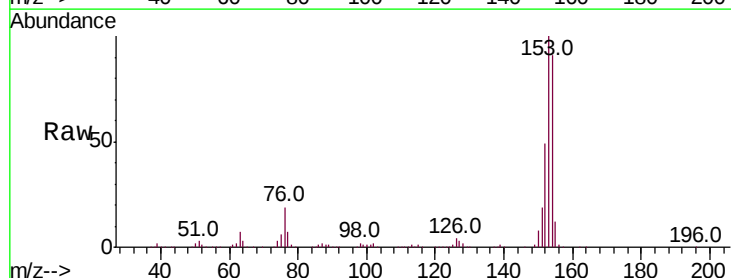
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52
Acenaphthene
Concen: 24.440 ng
RT: 9.67 min Scan# 1315
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	669160		
153	110.0	88.7	133.1	
152	54.4	42.6	64.0	

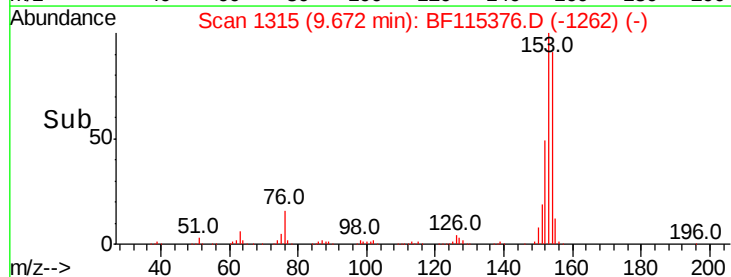
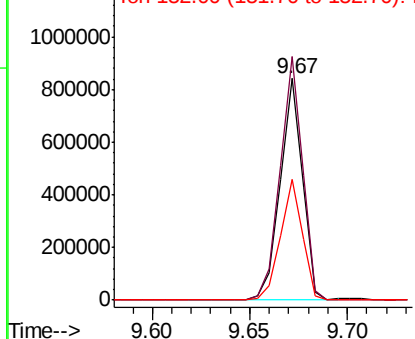


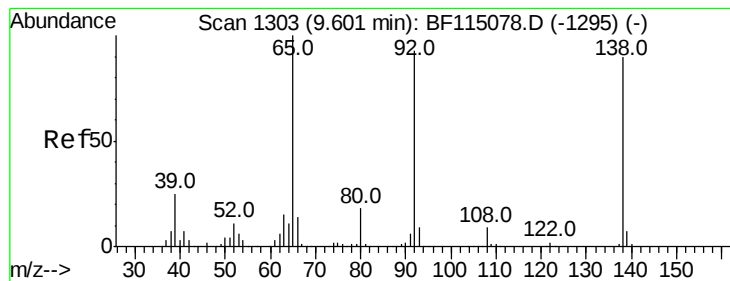
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 22.078 ng

RT: 9.59 min Scan# 1301

Delta R.T. 0.01 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMS

Tot Ion:138 Resp: 198012

Ion Ratio Lower Upper

138 100

108 9.8 7.8 11.6

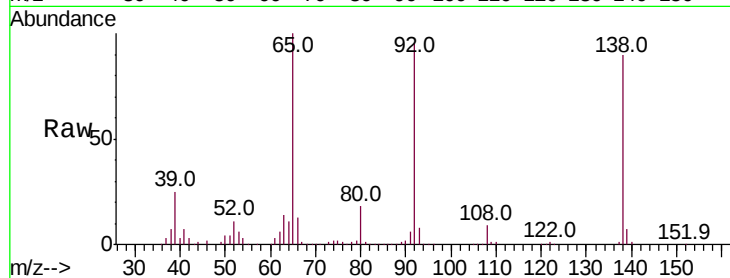
92 106.1 82.9 124.3

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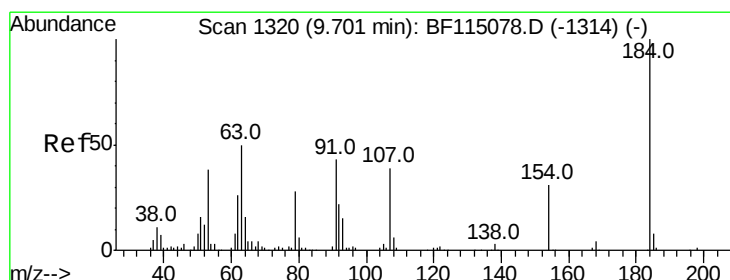
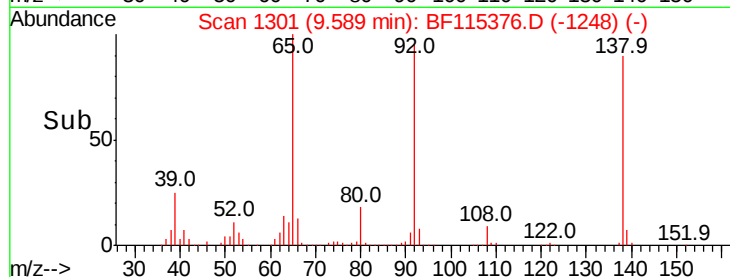
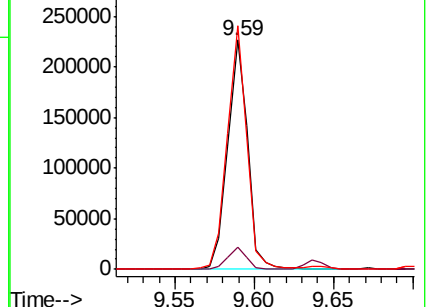
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Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54

2,4-Dinitrophenol

Concen: 10.698 ng

RT: 9.70 min Scan# 1320

Delta R.T. 0.02 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

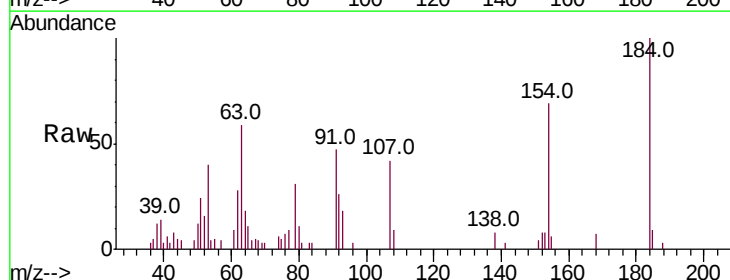
Tgt Ion:184 Resp: 13968

Ion Ratio Lower Upper

184 100

63 59.4 41.9 62.9

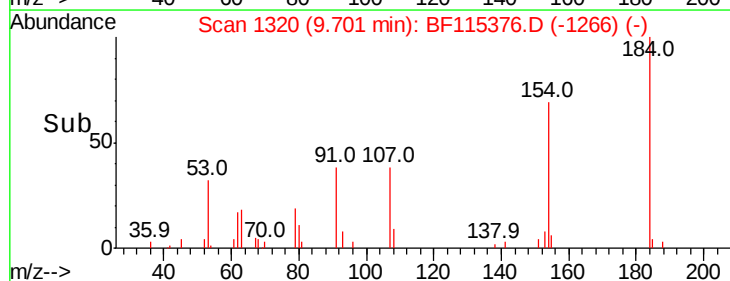
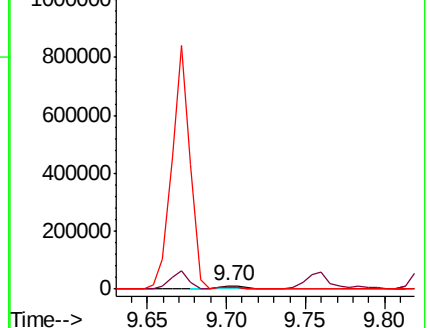
154 68.7 44.7 67.1#

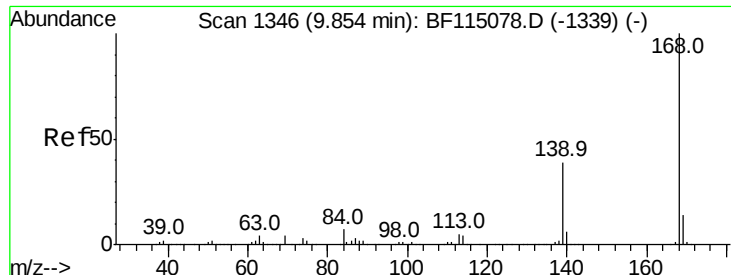


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





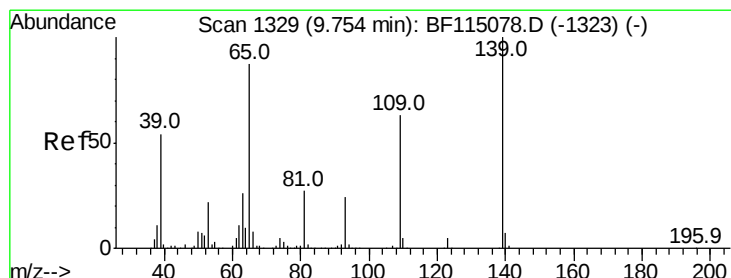
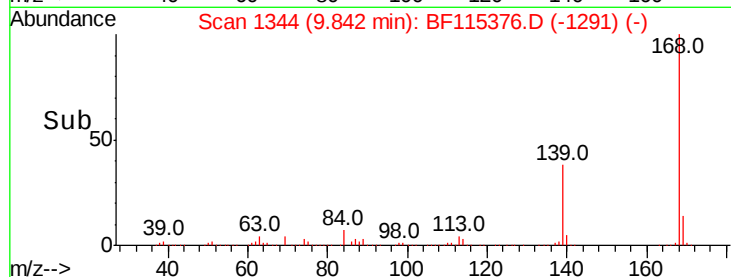
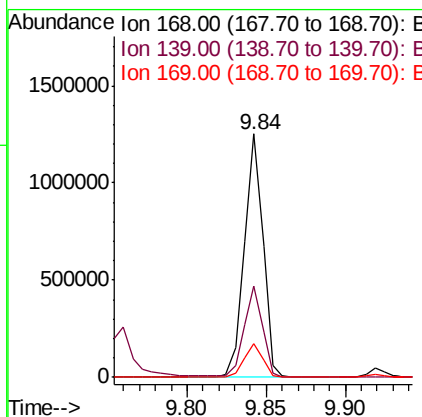
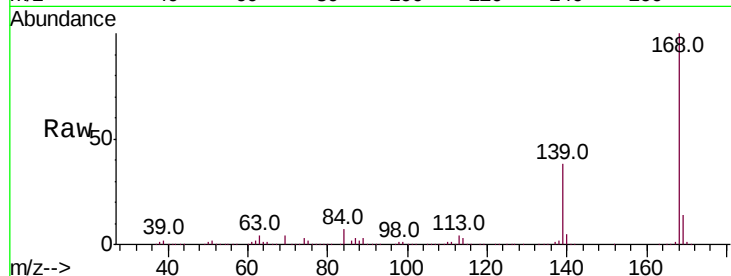
#55
Dibenzofuran
Concen: 25.786 ng
RT: 9.84 min Scan# 1344
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMS

Tot Ion:168 Resp: 1013319
Ion Ratio Lower Upper
168 100
139 37.7 31.1 46.7
169 14.0 11.3 16.9

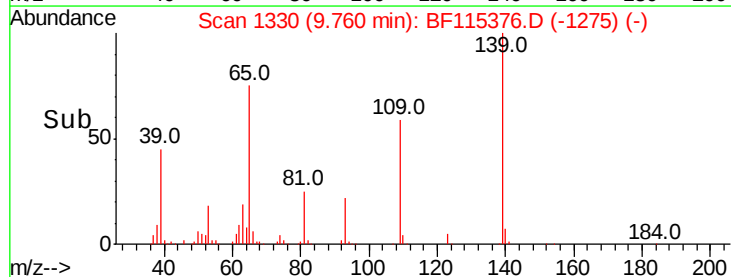
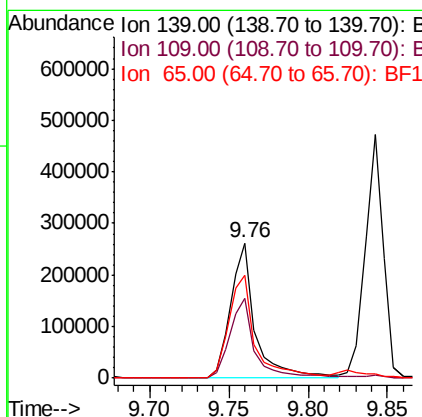
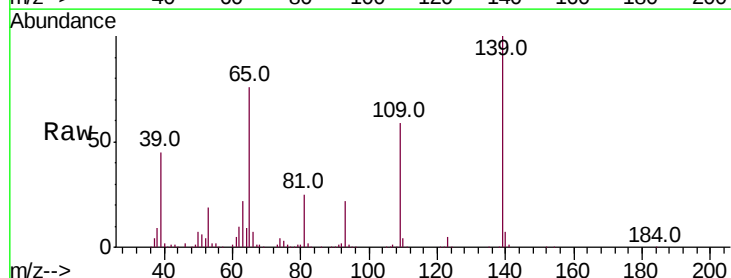
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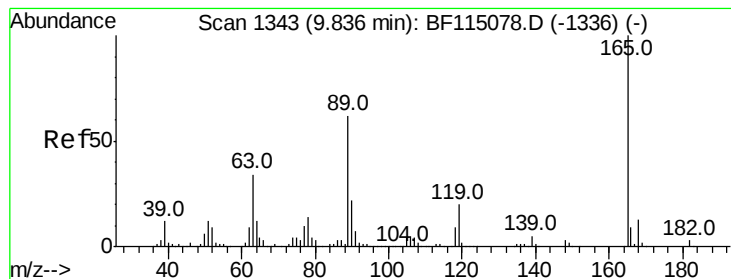
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#56
4-Nitrophenol
Concen: 39.347 ng
RT: 9.76 min Scan# 1330
Delta R.T. 0.02 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Tgt Ion:139 Resp: 282918
Ion Ratio Lower Upper
139 100
109 59.0 43.0 83.0
65 75.8 67.0 107.0





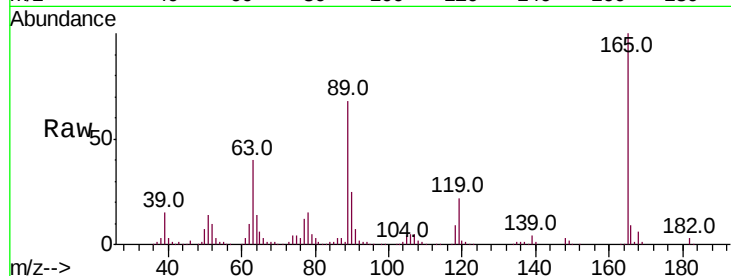
#57
 2,4-Dinitrotoluene
 Concen: 26.727 ng
 RT: 9.82 min Scan# 1341
 Delta R.T. 0.01 min
 Lab File: BF115376.D
 Acq: 2 Jul 2019 22:40

Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILEMS

Tot Ion	Ratio	Resp Lower	Upper
165	100		
63	40.1	27.5	41.3
89	67.8	49.9	74.9
182	2.6	2.1	3.1

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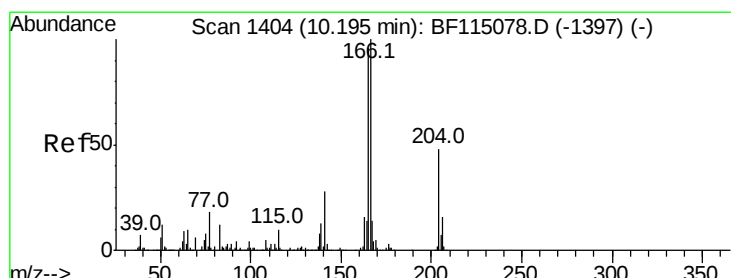
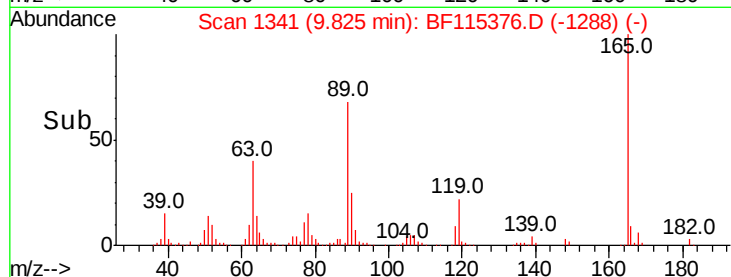
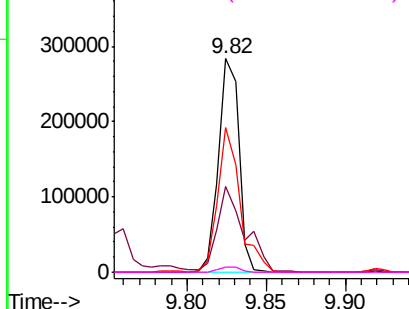
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

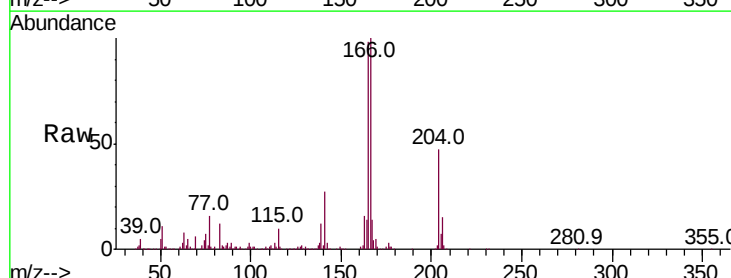
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58
 Fluorene
 Concen: 25.148 ng
 RT: 10.18 min Scan# 1402
 Delta R.T. 0.01 min
 Lab File: BF115376.D
 Acq: 2 Jul 2019 22:40

Tgt Ion	Ratio	Resp Lower	Upper
166	100		
165	98.3	76.5	114.7
167	13.6	11.0	16.4

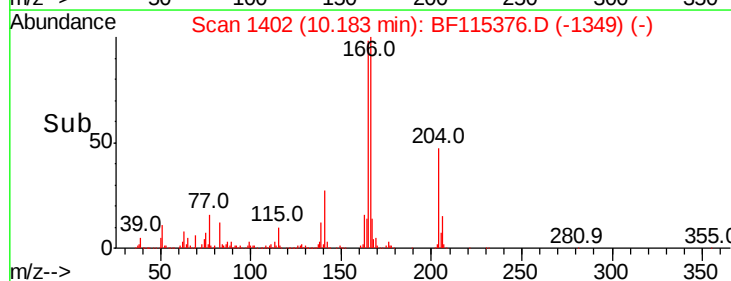
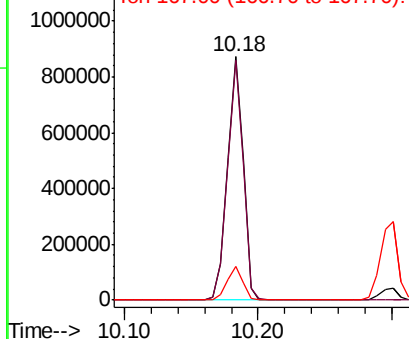


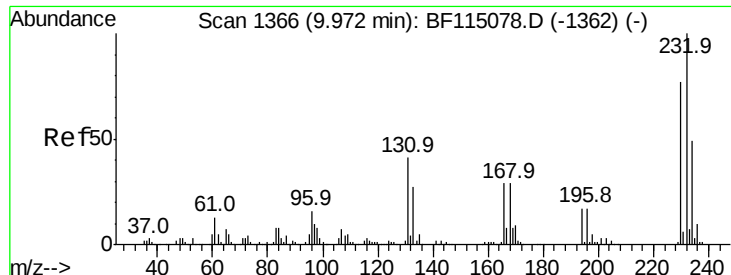
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





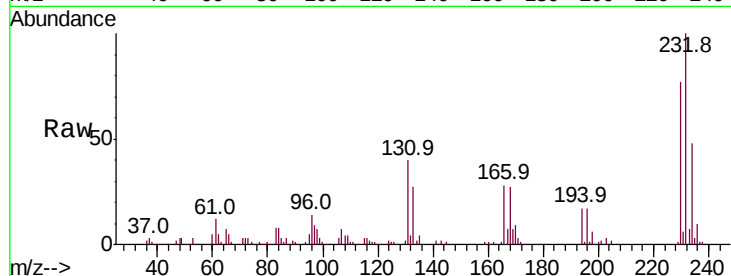
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 22.947 ng
 RT: 9.97 min Scan# 1365
 Delta R.T. 0.02 min
 Lab File: BF115376.D
 Acq: 2 Jul 2019 22:40

Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILEMS

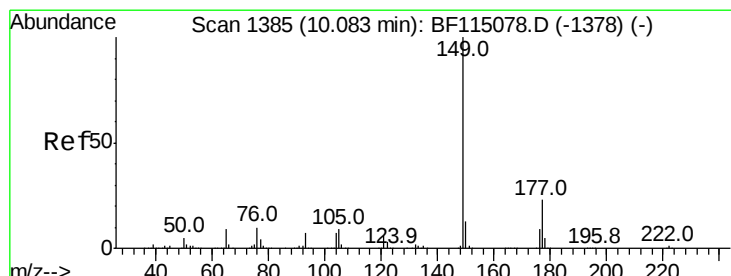
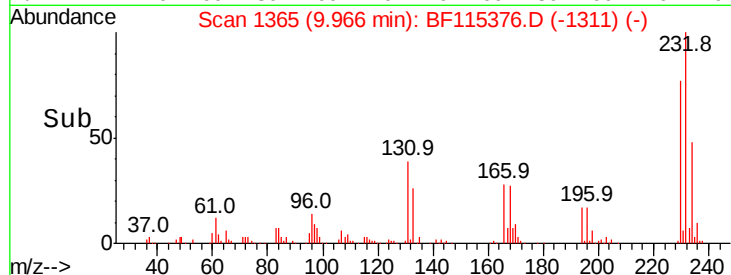
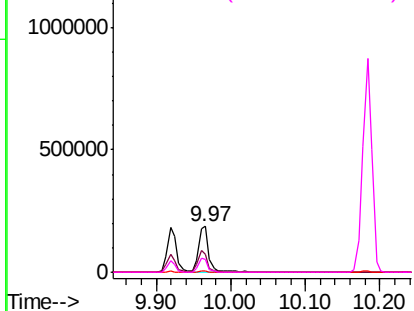
Tot Ion	Ratio	Resp	Lower	Upper
232	100	187054		
131	43.8		37.4	56.0
130	1.9		1.8	2.6
166	29.0		24.6	36.8

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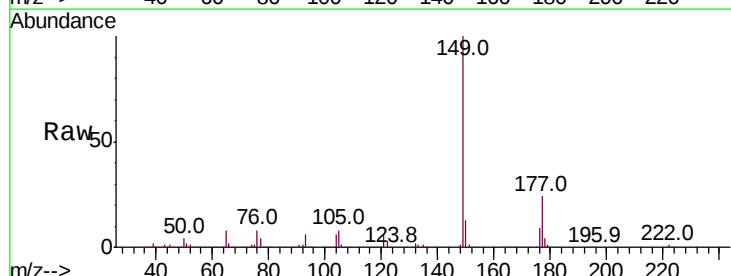


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

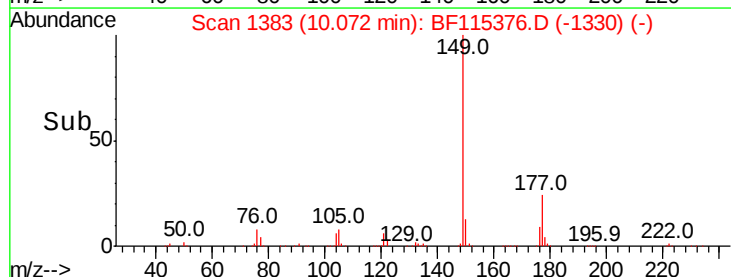
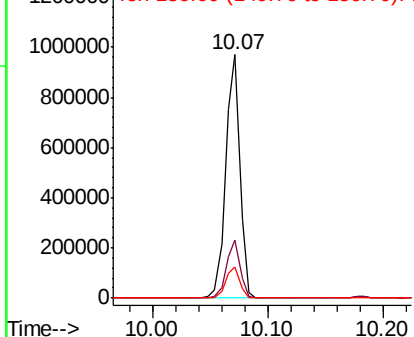


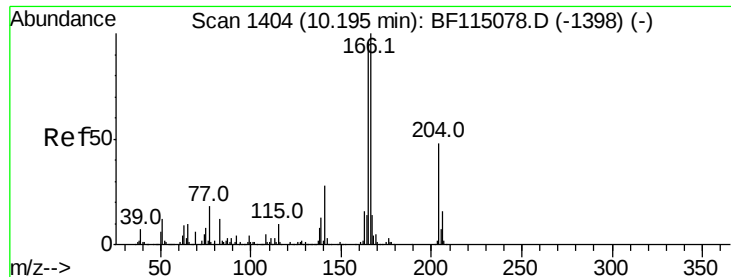
#60
 Diethylphthalate
 Concen: 25.580 ng
 RT: 10.07 min Scan# 1383
 Delta R.T. 0.01 min
 Lab File: BF115376.D
 Acq: 2 Jul 2019 22:40

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	818578		
177	23.6		18.7	28.1
150	12.6		10.4	15.6



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E





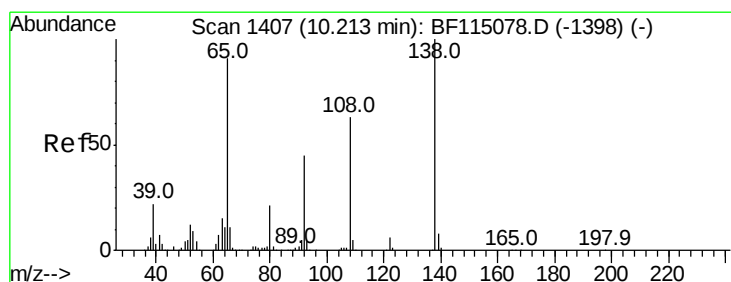
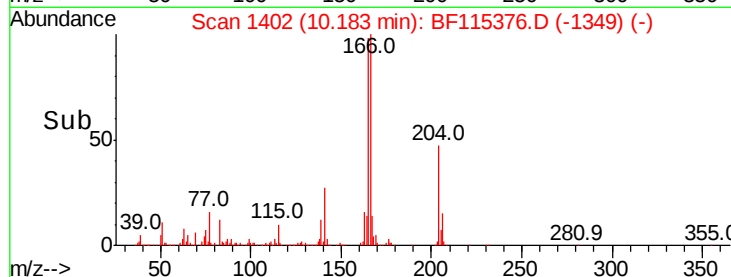
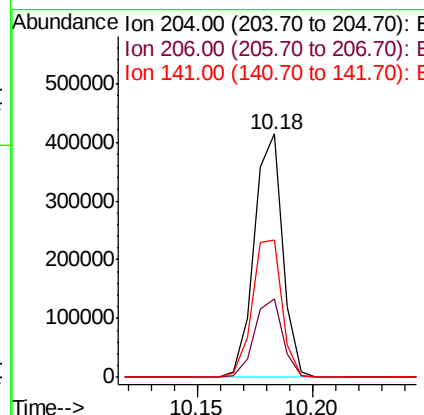
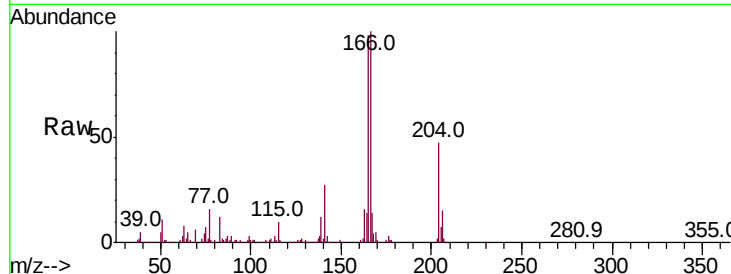
#61
4-Chlorophenyl-phenylether
Concen: 25.853 ng
RT: 10.18 min Scan# 1402
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMS

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.1	26.6	40.0
141	56.5	46.7	70.1

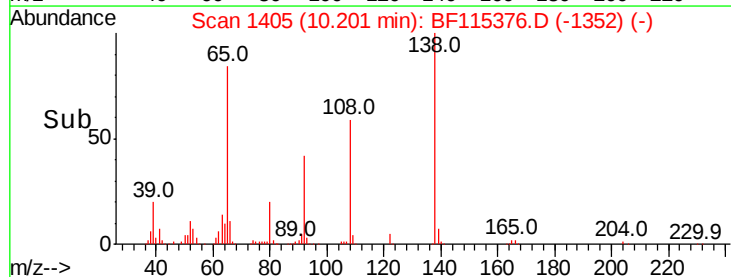
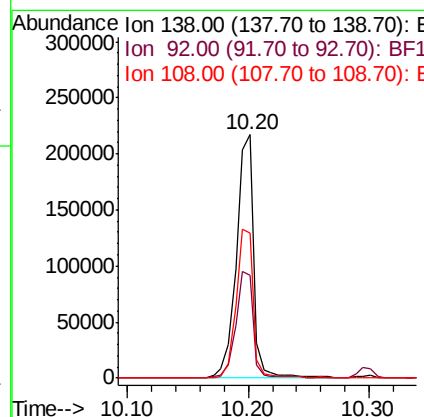
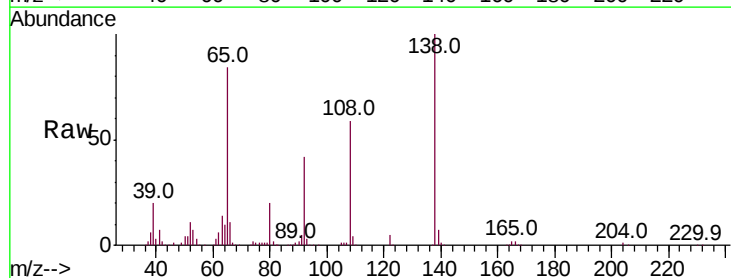
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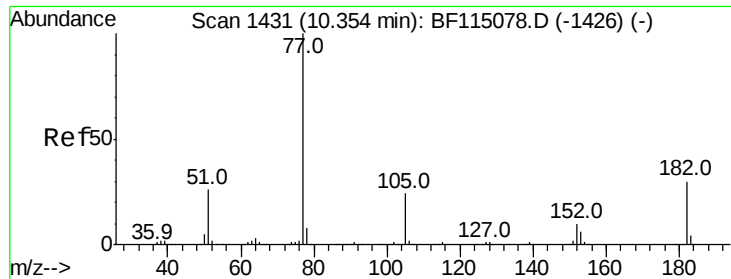
mohammad
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#62
4-Nitroaniline
Concen: 24.280 ng
RT: 10.20 min Scan# 1405
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Tgt Ion	Ratio	Lower	Upper
138	100		
92	42.0	24.8	64.8
108	59.5	43.3	83.3





#63

Azobenzene

Concen: 24.685 ng

RT: 10.34 min Scan# 1429

Delta R.T. 0.02 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMS

Tot Ion: 77 Resp: 737813

Ion Ratio Lower Upper

77 100

182 30.8 10.1 50.1

105 24.2 4.5 44.5

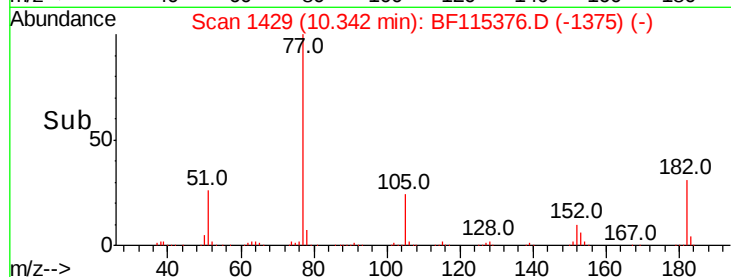
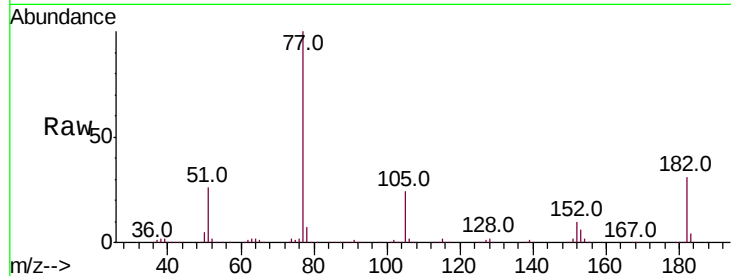
51 25.8 6.4 46.4

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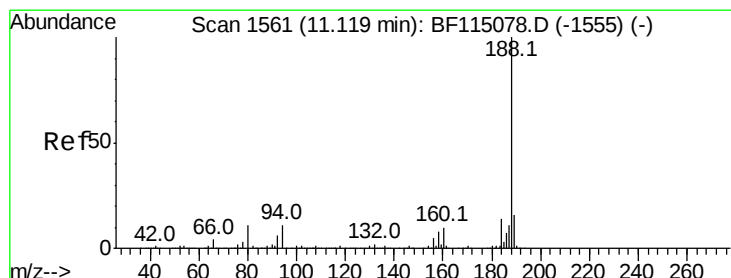
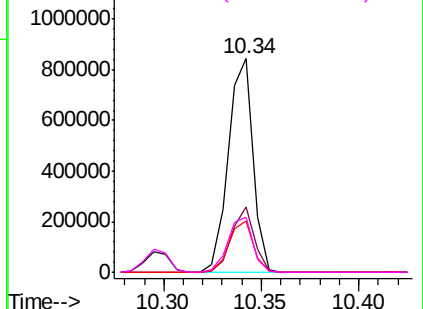


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.11 min Scan# 1560

Delta R.T. 0.02 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

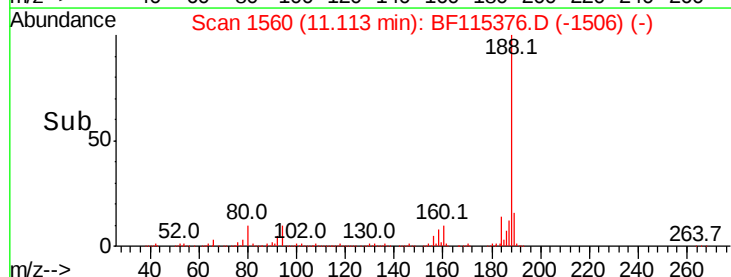
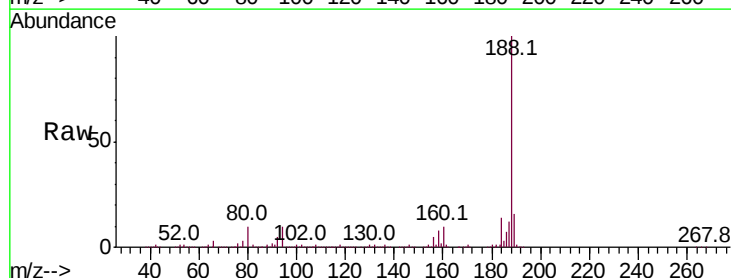
Tgt Ion: 188 Resp: 825743

Ion Ratio Lower Upper

188 100

94 9.9 8.6 12.8

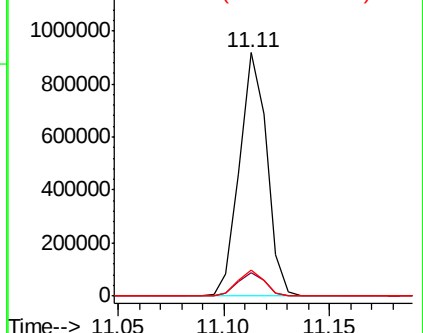
80 10.5 8.8 13.2

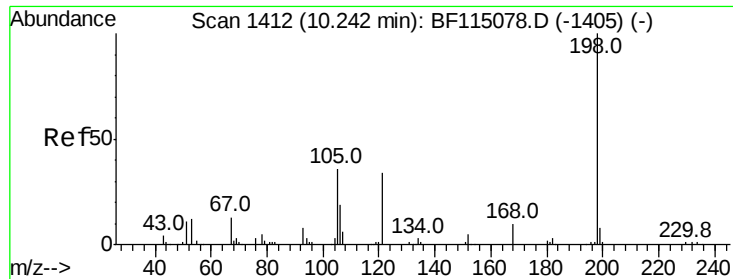


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 12.246 ng

RT: 10.24 min Scan# 1411

Delta R.T. 0.02 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMS

Tot Ion:198 Resp: 35700

Ion Ratio Lower Upper

198 100

51 32.2 11.0 51.0

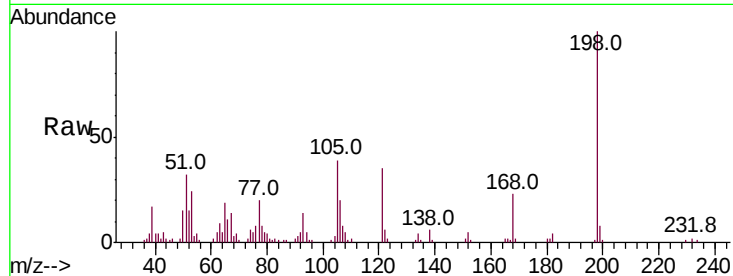
105 38.5 17.3 57.3

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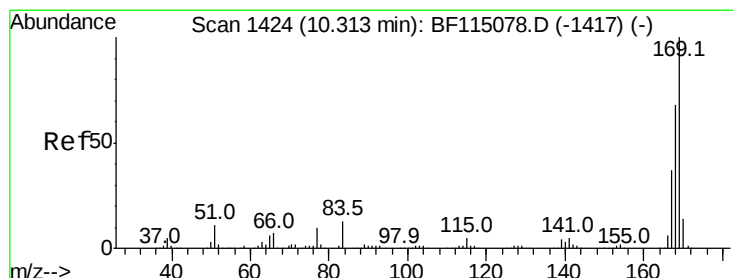
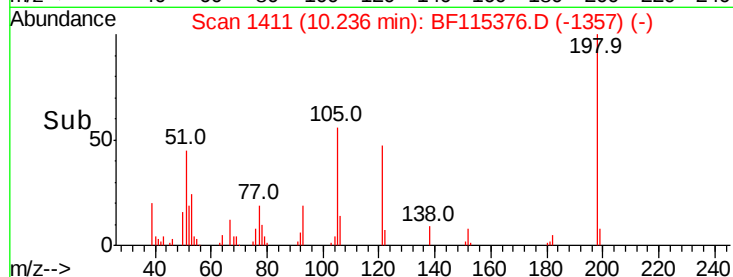
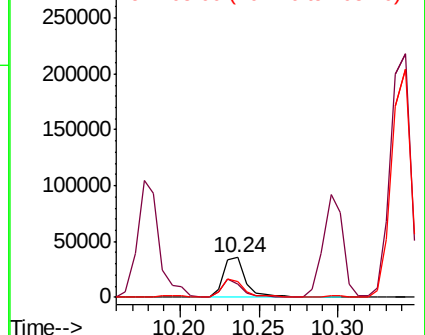
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 26.448 ng

RT: 10.30 min Scan# 1422

Delta R.T. 0.02 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

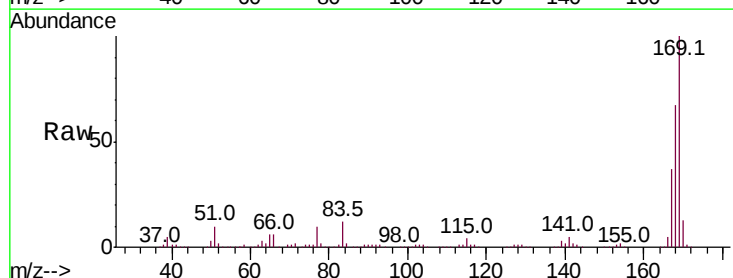
Tgt Ion:169 Resp: 680397

Ion Ratio Lower Upper

169 100

168 66.6 54.2 81.4

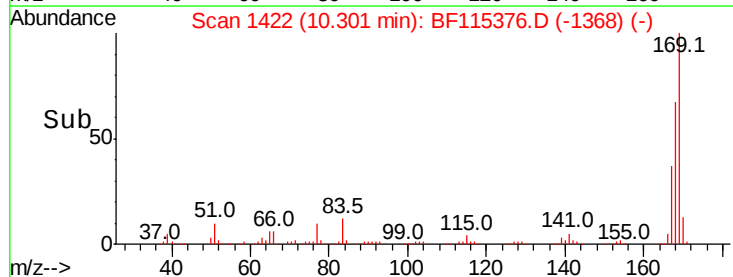
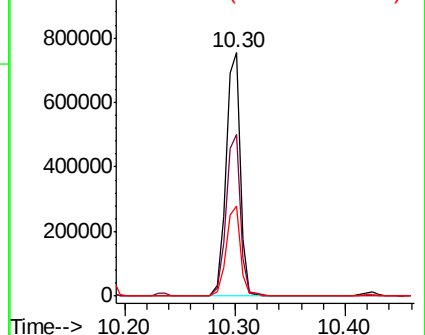
167 37.0 29.4 44.0

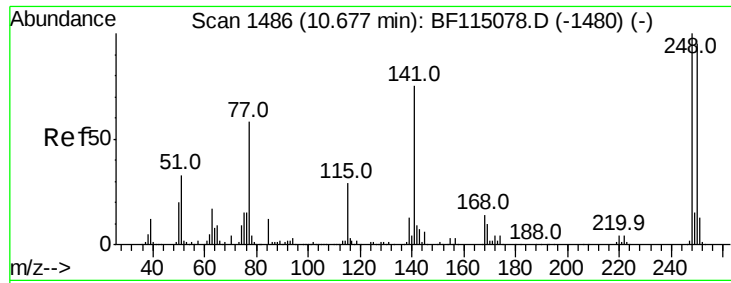


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





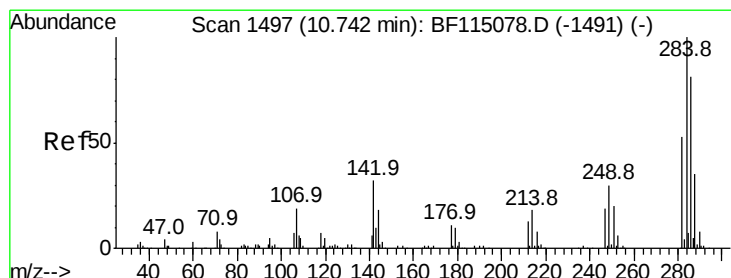
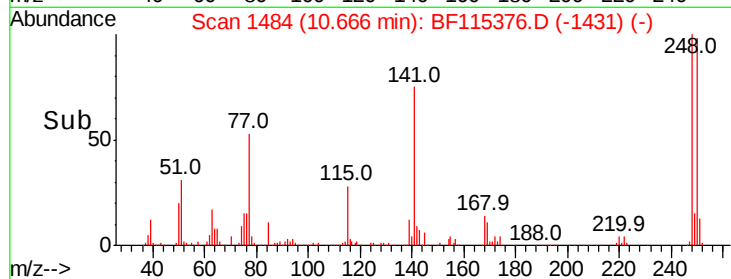
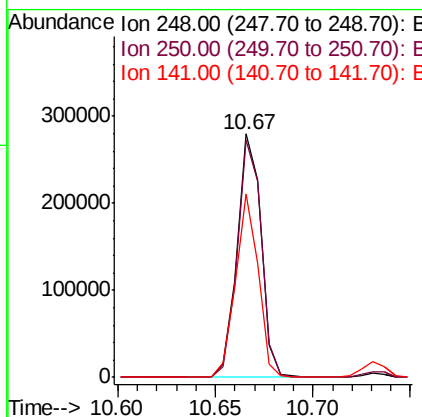
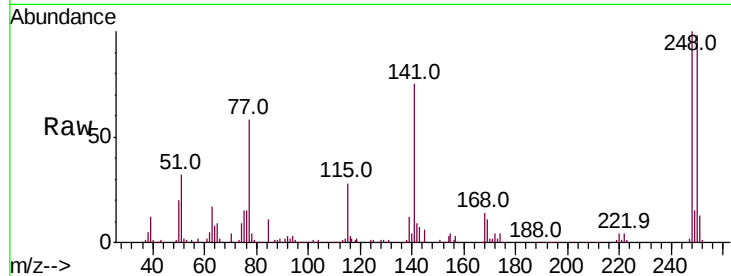
#67
4-Bromophenyl-phenylether
Concen: 26.605 ng
RT: 10.67 min Scan# 1484
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMS

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.6	76.2	114.2
141	75.4	59.6	89.4

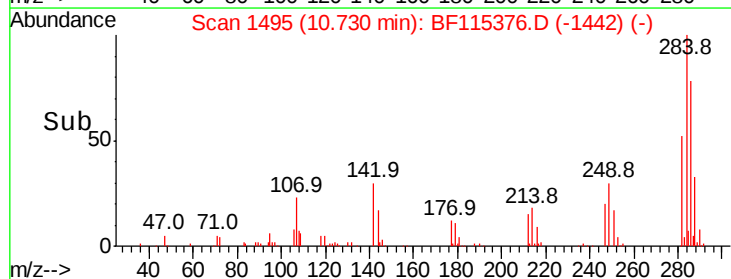
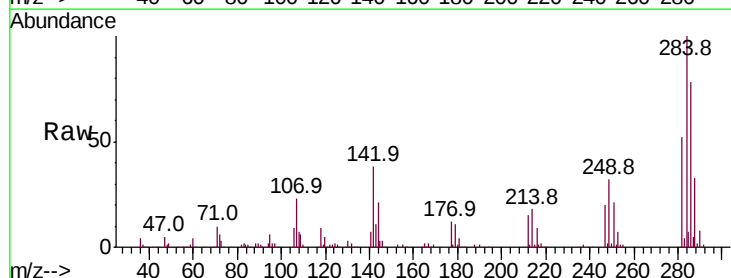
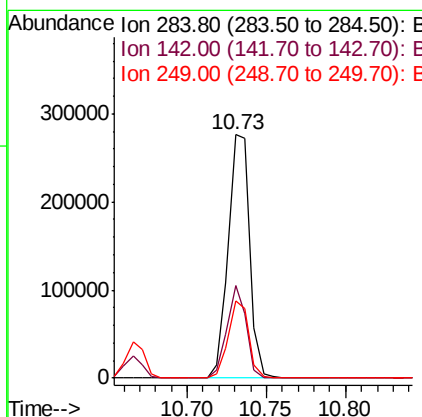
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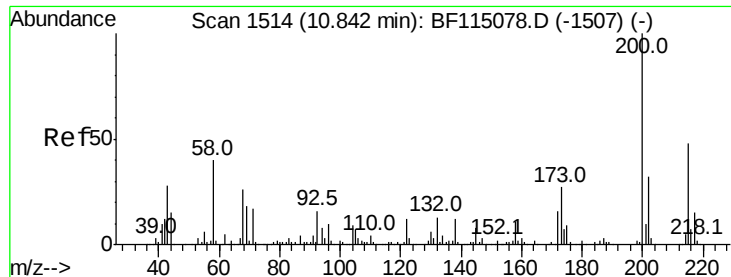
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#68
Hexachlorobenzene
Concen: 26.855 ng
RT: 10.73 min Scan# 1495
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Tgt Ion	Ratio	Lower	Upper
284	100		
142	37.9	25.8	38.8
249	31.6	24.2	36.4





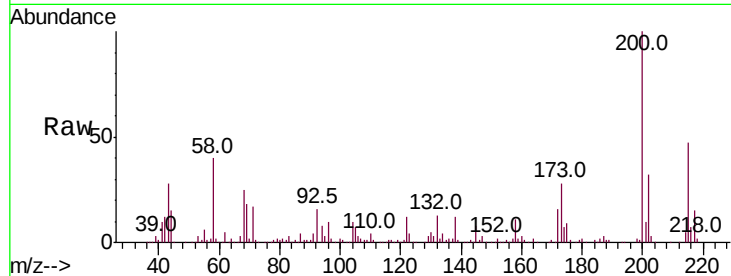
#69
Atrazine
Concen: 27.189 ng
RT: 10.83 min Scan# 1512
Delta R.T. 0.01 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMS

Tot Ion	Ratio	Lower	Upper
200	100		
173	27.8	7.4	47.4
215	47.0	27.8	67.8

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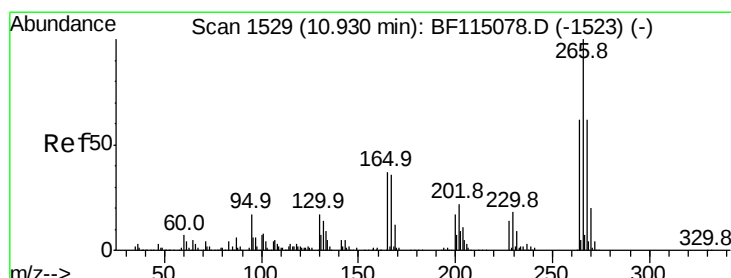
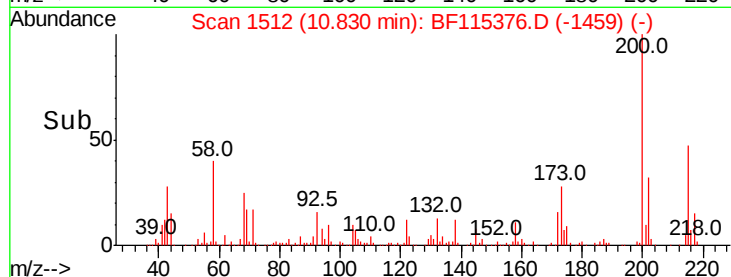
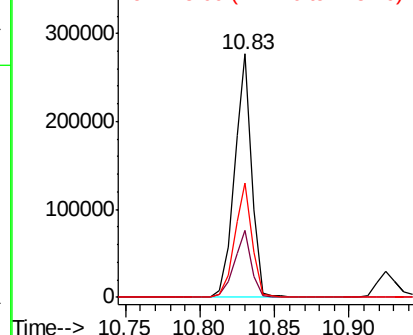


Abundance

Ion 200.00 (199.70 to 200.70): E

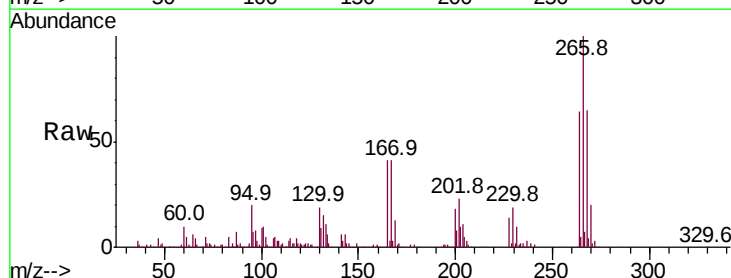
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 28.558 ng
RT: 10.92 min Scan# 1528
Delta R.T. 0.02 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.6	49.5	74.3
264	64.0	49.3	73.9

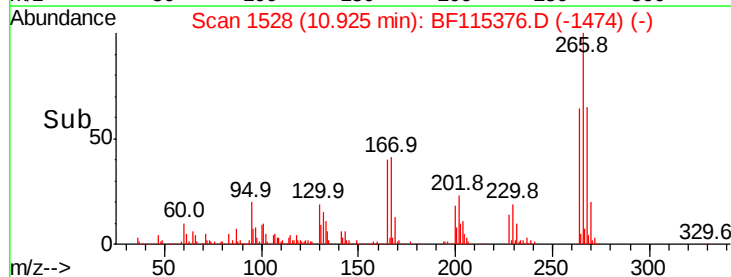
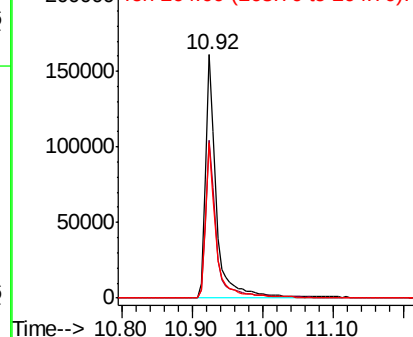


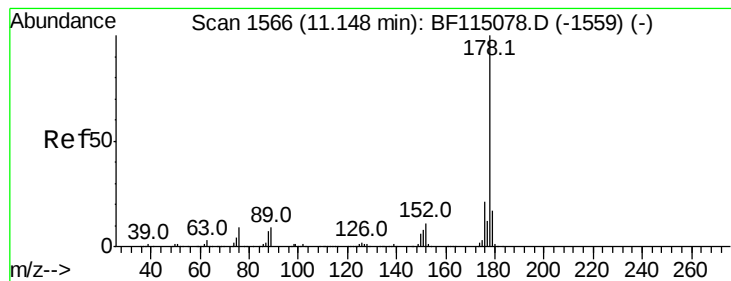
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 25.425 ng

RT: 11.14 min Scan# 1565

Delta R.T. 0.02 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMS

Tot Ion:178 Resp: 1130395

Ion Ratio Lower Upper

178 100

176 20.1 16.9 25.3

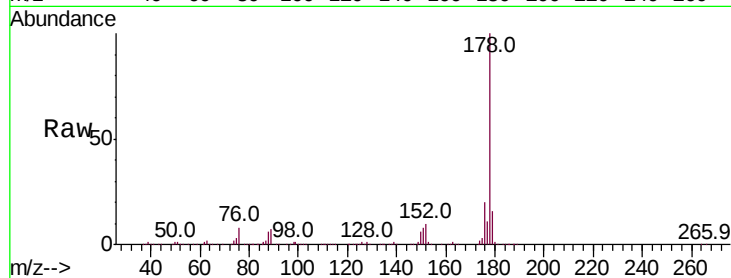
179 15.8 13.2 19.8

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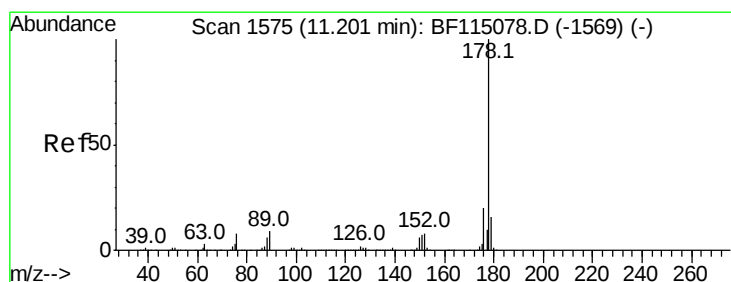
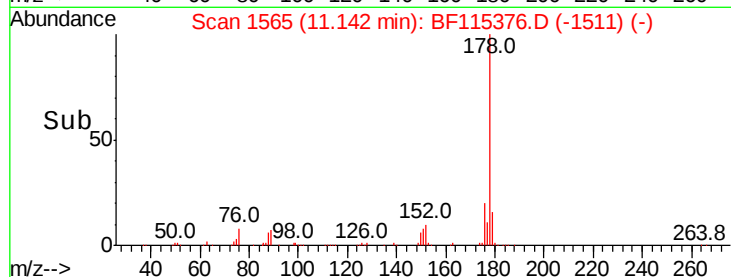
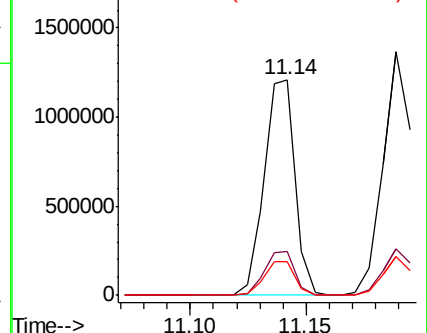
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 26.265 ng

RT: 11.19 min Scan# 1573

Delta R.T. 0.02 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

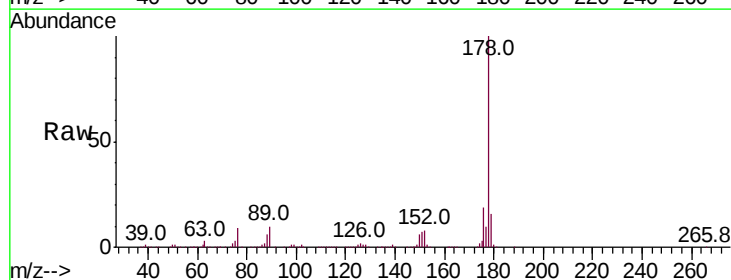
Tgt Ion:178 Resp: 1178732

Ion Ratio Lower Upper

178 100

176 19.3 16.1 24.1

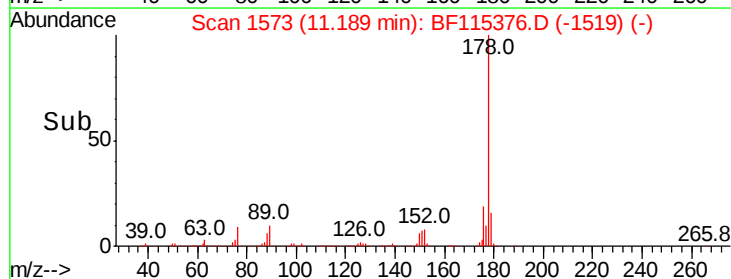
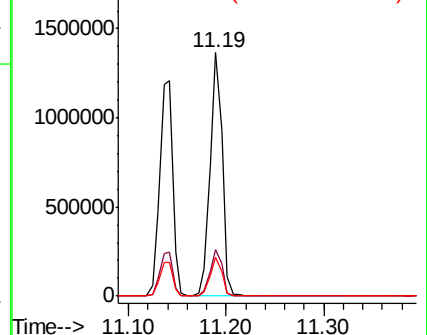
179 15.8 12.9 19.3

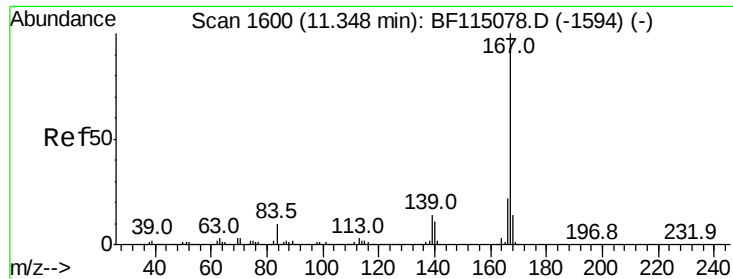


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





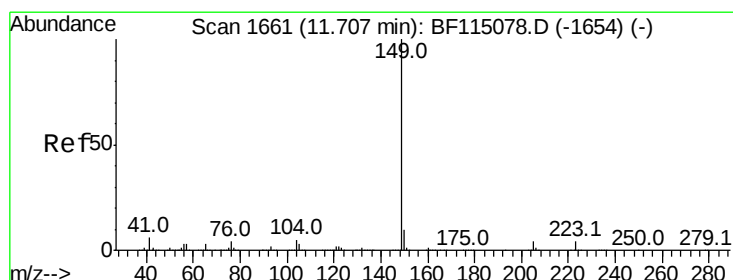
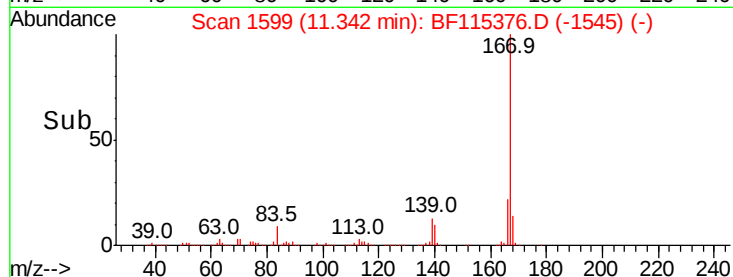
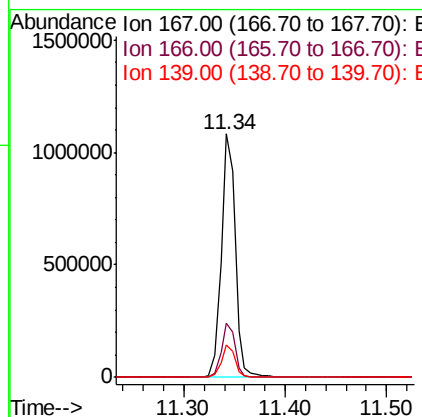
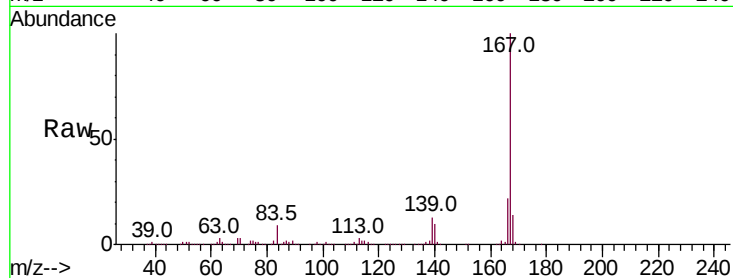
#73
 Carbazole
 Concen: 25.784 ng
 RT: 11.34 min Scan# 1599
 Delta R.T. 0.02 min
 Lab File: BF115376.D
 Acq: 2 Jul 2019 22:40

Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILEMS

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.2	18.0	27.0
139	13.5	11.1	16.7

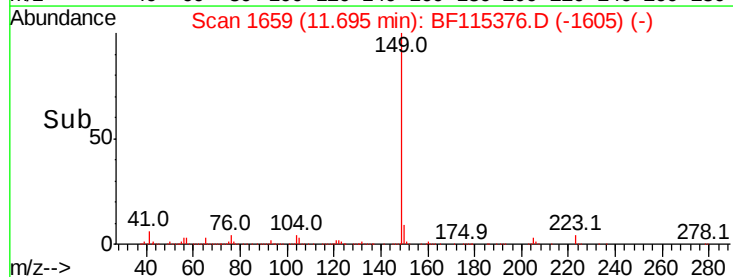
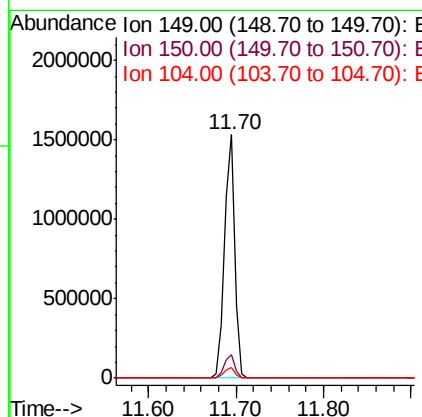
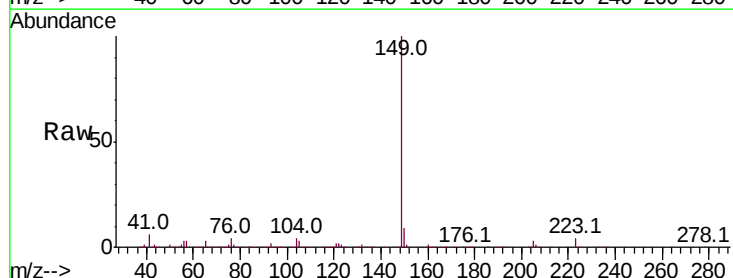
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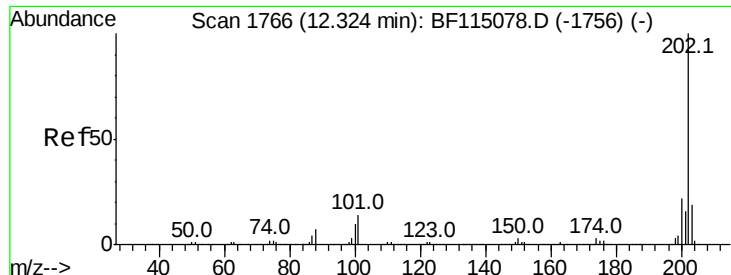
mohammad
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#74
 Di-n-butylphthalate
 Concen: 27.066 ng
 RT: 11.70 min Scan# 1659
 Delta R.T. 0.02 min
 Lab File: BF115376.D
 Acq: 2 Jul 2019 22:40

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.8	11.8
104	4.4	3.7	5.5





#75

Fluoranthene

Concen: 24.243 ng

RT: 12.32 min Scan# 1765

Delta R.T. 0.02 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMS

Tot Ion:202 Resp: 1075385

Ion Ratio Lower Upper

202 100

101 12.5 0.0 34.0

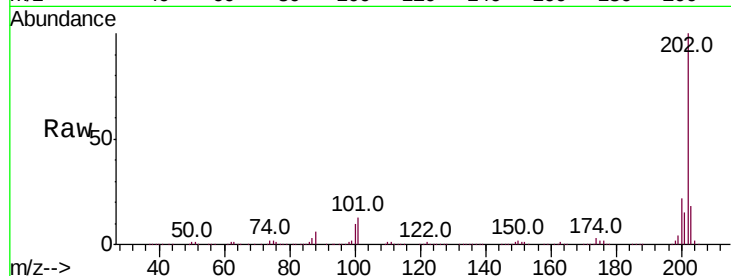
203 18.2 0.0 38.8

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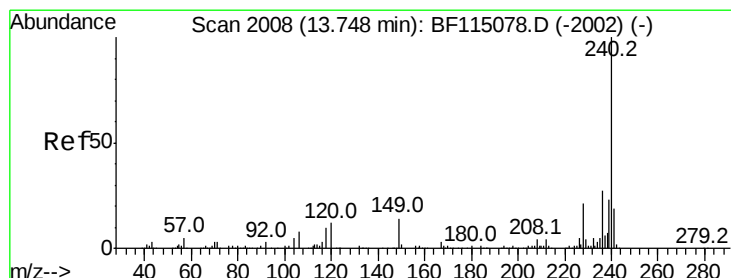
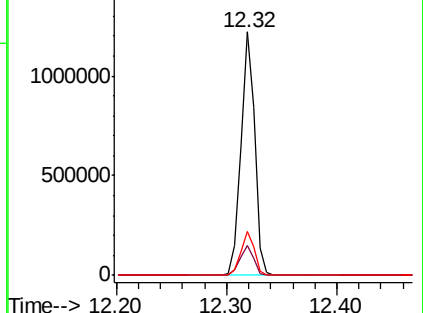
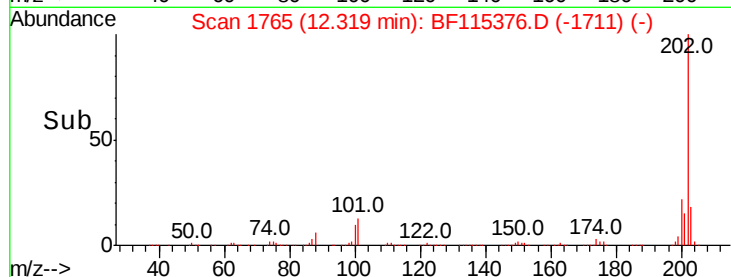
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.74 min Scan# 2007

Delta R.T. 0.02 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

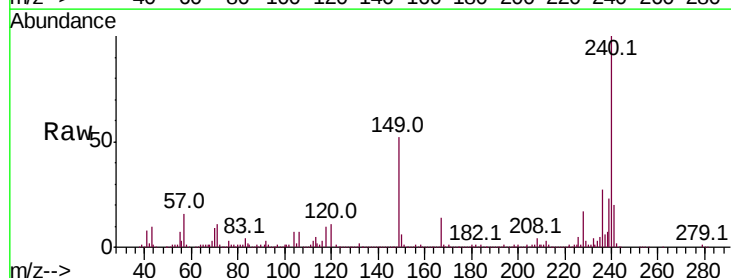
Tgt Ion:240 Resp: 461053

Ion Ratio Lower Upper

240 100

120 11.1 9.4 14.2

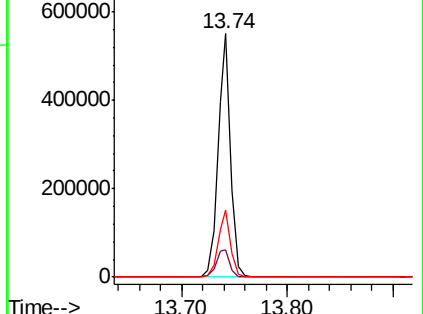
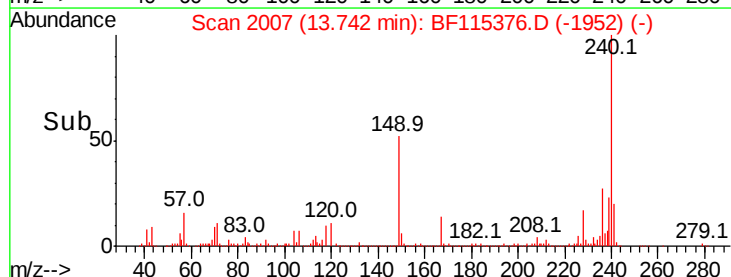
236 27.4 21.7 32.5

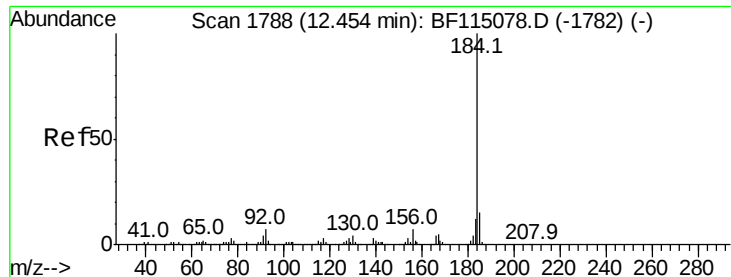


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 4.437 ng

RT: 12.45 min Scan# 1787

Delta R.T. 0.02 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMS

Tot Ion:184 Resp: 90845

Ion Ratio Lower Upper

184 100

185 15.0 12.2 18.2

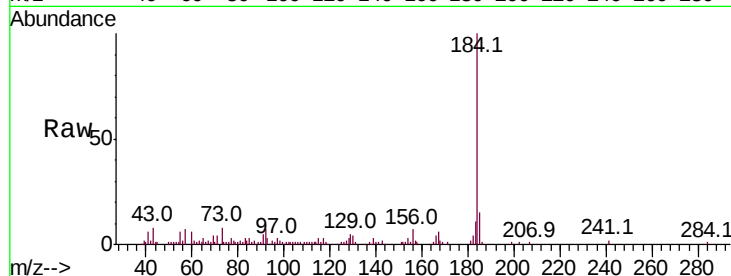
183 11.4 9.6 14.4

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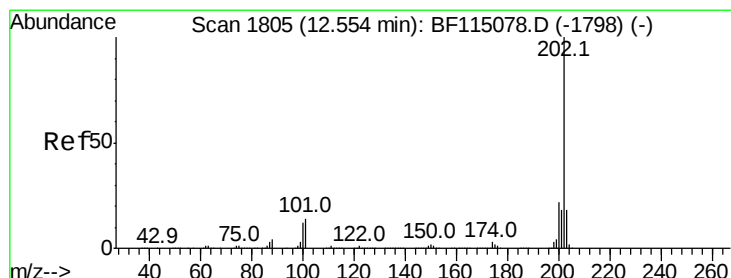
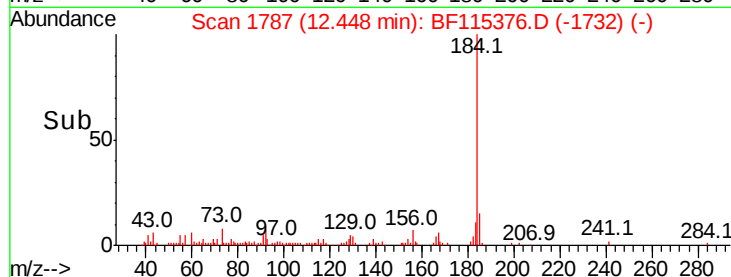
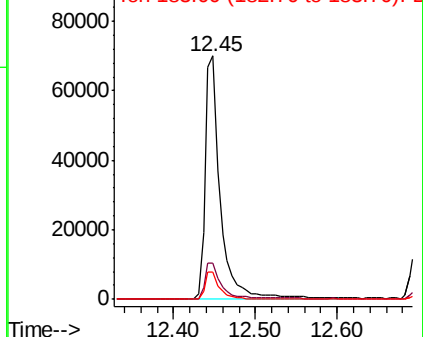
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Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 29.824 ng

RT: 12.55 min Scan# 1804

Delta R.T. 0.02 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

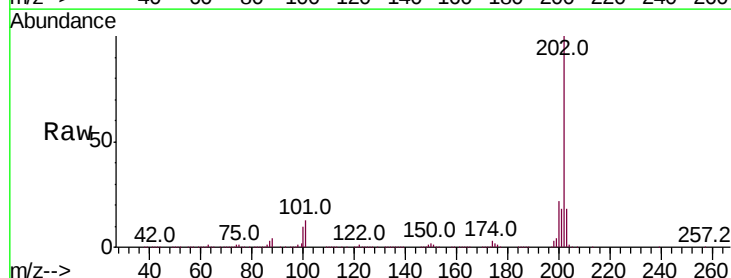
Tgt Ion:202 Resp: 1056734

Ion Ratio Lower Upper

202 100

200 21.9 17.9 26.9

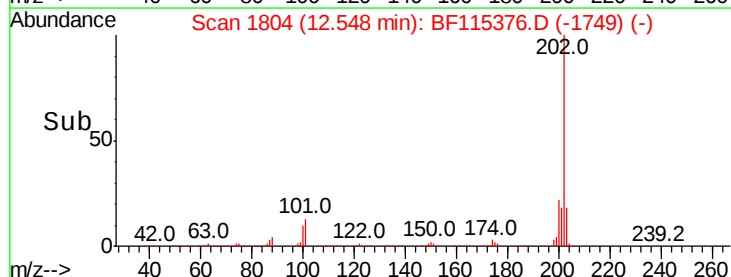
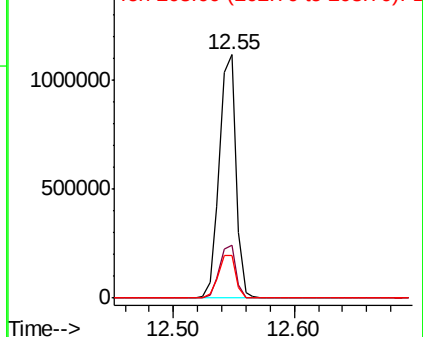
203 17.6 14.6 21.8

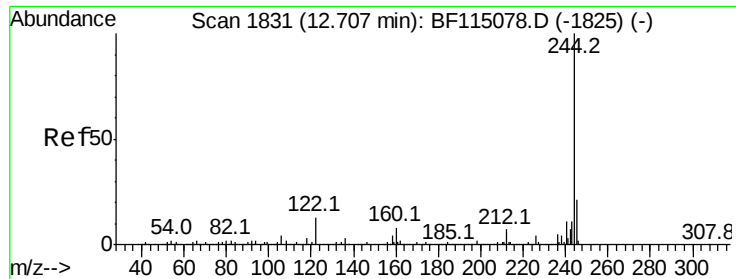


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 73.277 ng

RT: 12.70 min Scan# 1830

Delta R.T. 0.02 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMS

Tot Ion:244 Resp: 1589005

Ion Ratio Lower Upper

244 100

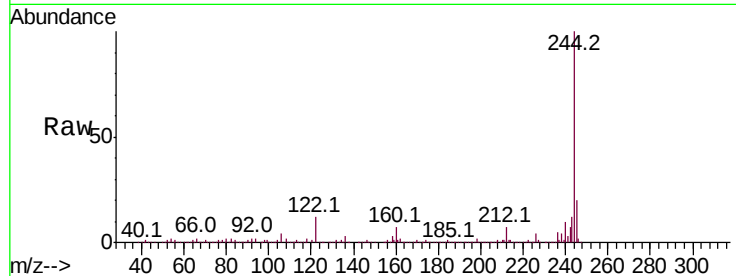
212 6.9 5.8 8.6

122 11.6 10.4 15.6

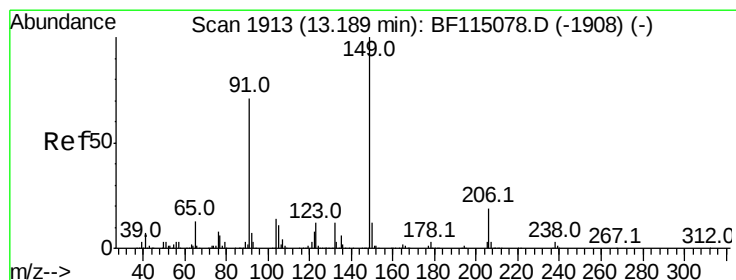
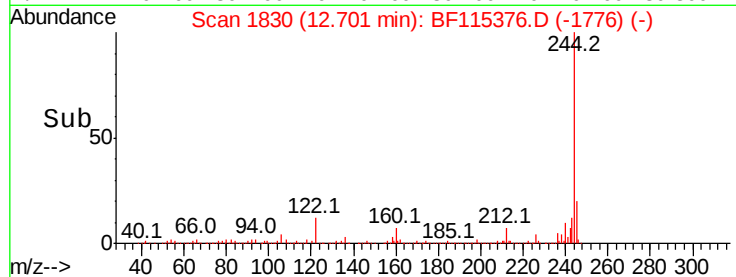
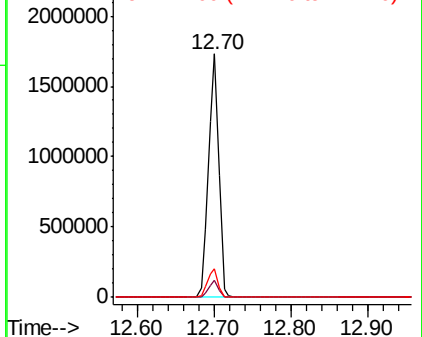
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 28.872 ng

RT: 13.18 min Scan# 1912

Delta R.T. 0.02 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

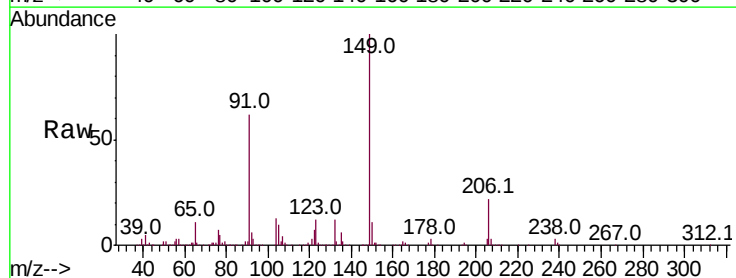
Tgt Ion:149 Resp: 451461

Ion Ratio Lower Upper

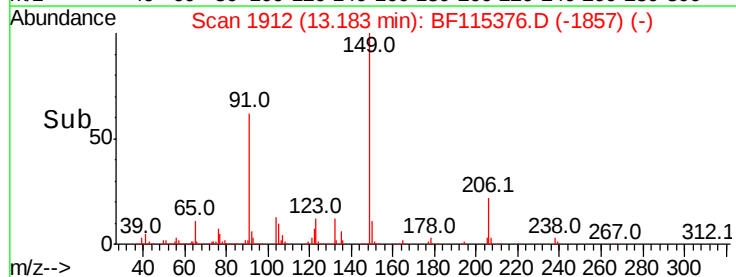
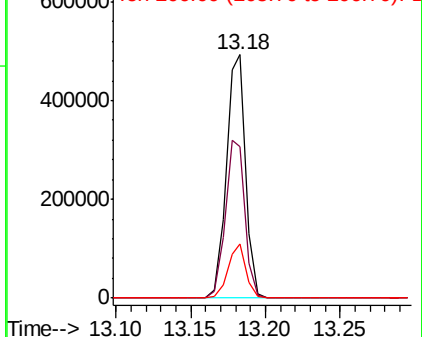
149 100

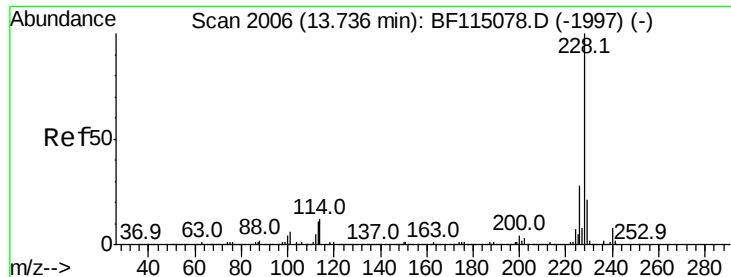
91 62.0 56.5 84.7

206 22.0 15.3 22.9



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF1
Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 24.589 ng

RT: 13.73 min Scan# 2005

Delta R.T. 0.02 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Instrument :

BNA_F

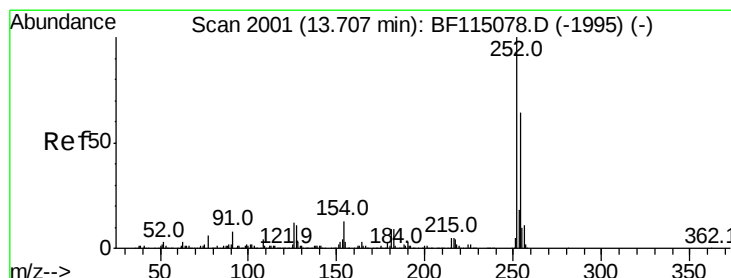
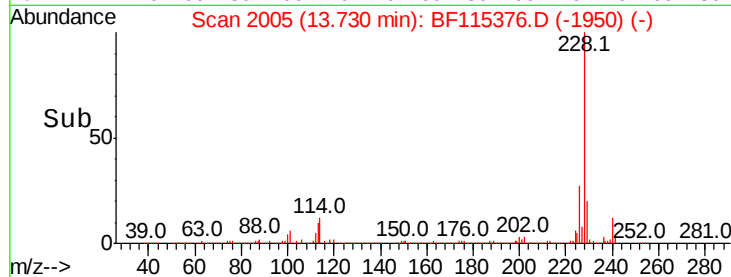
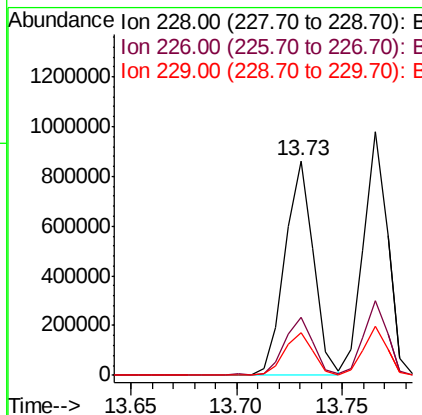
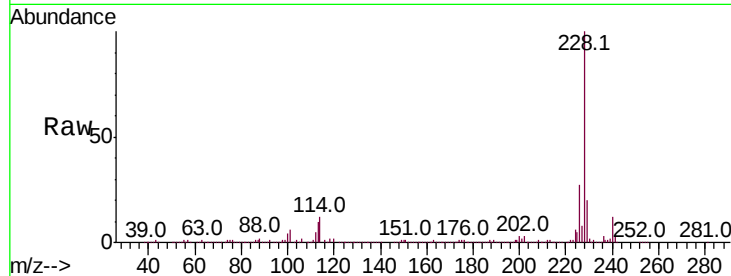
ClientSampleId :

NB-SOIL-PILEMS

Tot Ion:	228	Resp:	813452
Ion Ratio	Lower	Upper	
228	100		
226	26.9	22.5	33.7
229	20.0	16.6	24.8

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#82

3,3'-Dichlorobenzidine

Concen: 22.147 ng

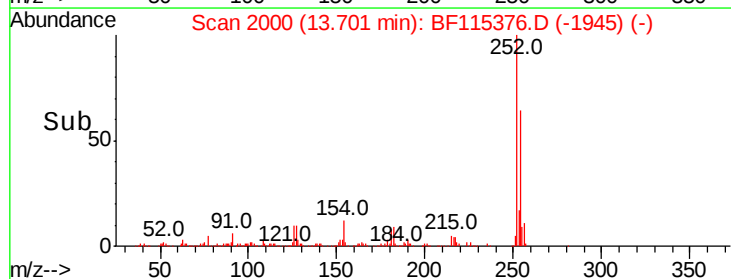
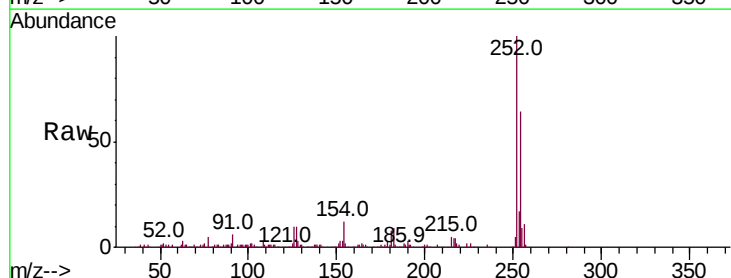
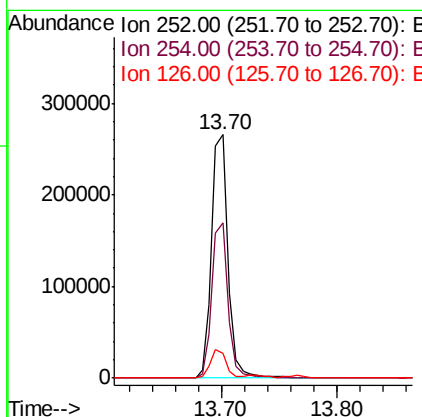
RT: 13.70 min Scan# 2000

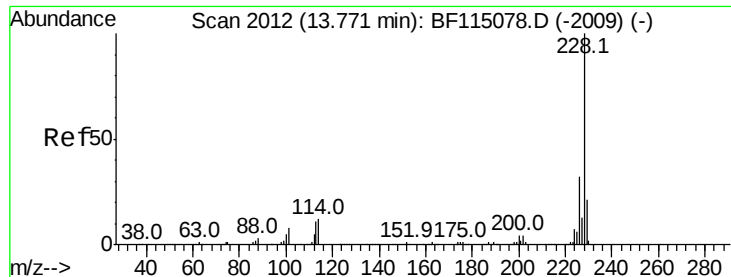
Delta R.T. 0.02 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Tgt Ion:	252	Resp:	264577
Ion Ratio	Lower	Upper	
252	100		
254	63.8	51.1	76.7
126	10.2	9.4	14.0





#83

Chrysene

Concen: 25.944 ng

RT: 13.77 min Scan# 2011

Delta R.T. 0.02 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Instrument :

BNA_F

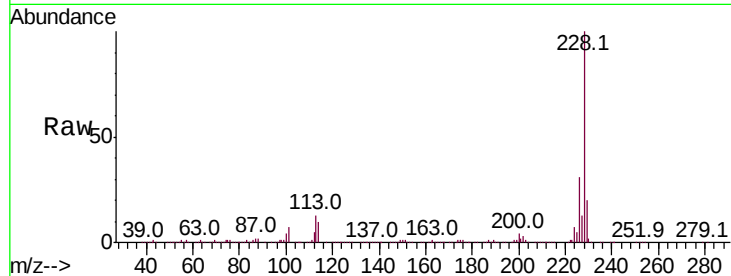
ClientSampleId :

NB-SOIL-PILEMS

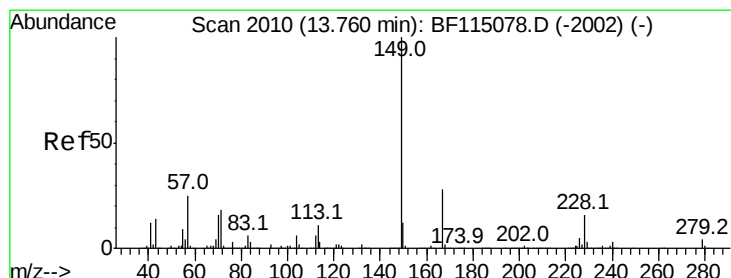
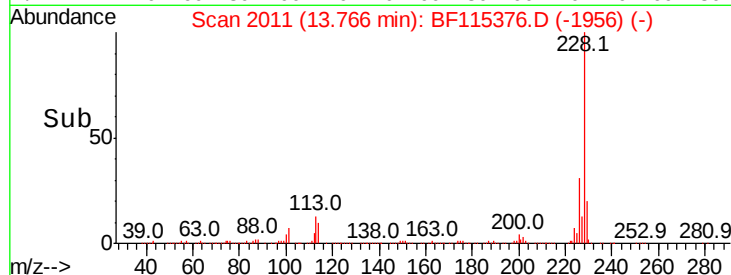
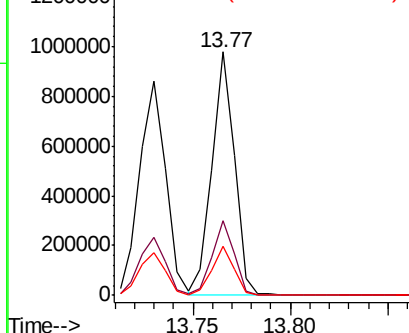
Tot Ion:	228	Resp:	786210
Ion Ratio	Lower	Upper	
228	100		
226	30.6	25.4	38.0
229	20.2	16.5	24.7

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 30.672 ng

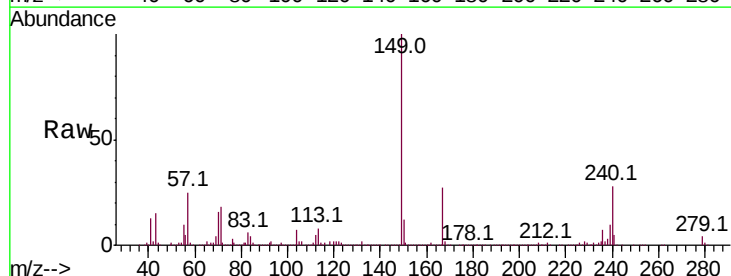
RT: 13.75 min Scan# 2008

Delta R.T. 0.02 min

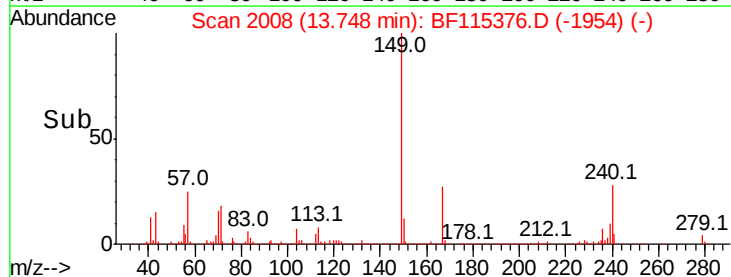
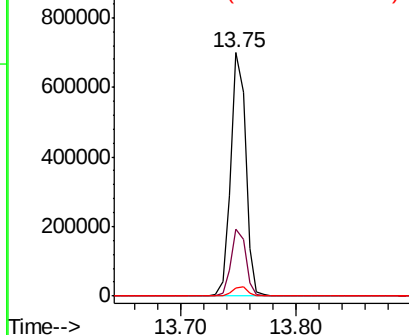
Lab File: BF115376.D

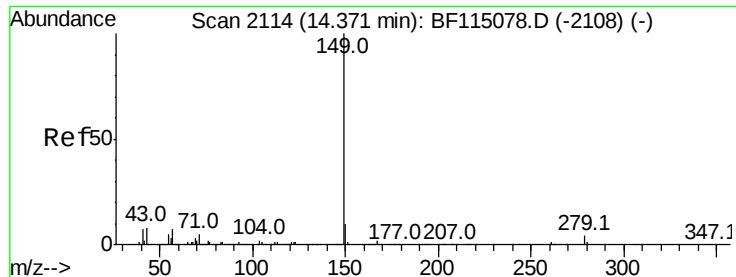
Acq: 2 Jul 2019 22:40

Tgt Ion:	149	Resp:	628434
Ion Ratio	Lower	Upper	
149	100		
167	27.3	22.2	33.4
279	3.5	2.9	4.3



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 26.958 ng

RT: 14.36 min Scan# 2112

Delta R.T. 0.02 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Instrument :

BNA_F

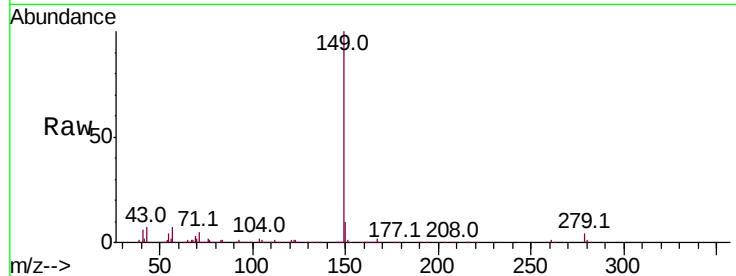
ClientSampleId :

NB-SOIL-PILEMS

Tot Ion:	149	Resp:	928014
Ion Ratio	Lower	Upper	
149	100		
167	1.6	1.2	1.8
43	8.2	7.0	10.6

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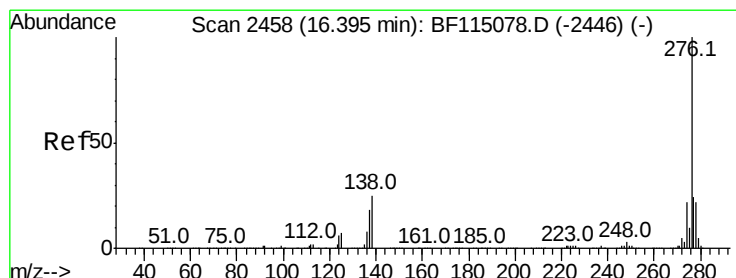
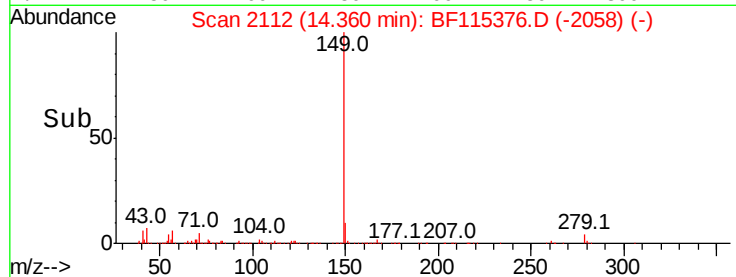
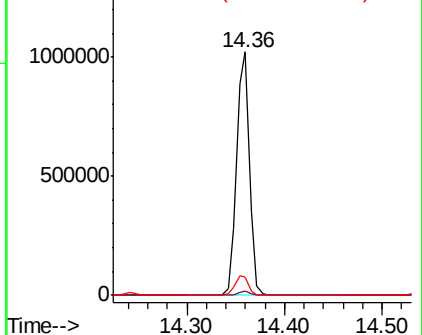
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 18.525 ng

RT: 16.39 min Scan# 2457

Delta R.T. 0.04 min

Lab File: BF115376.D

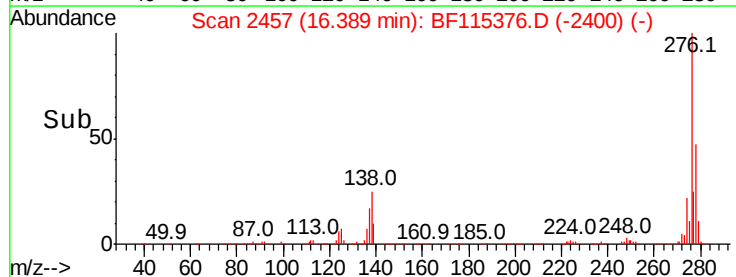
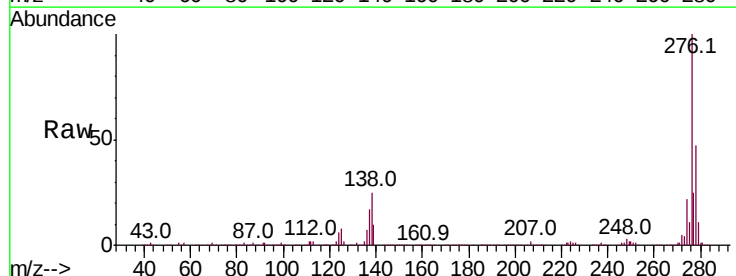
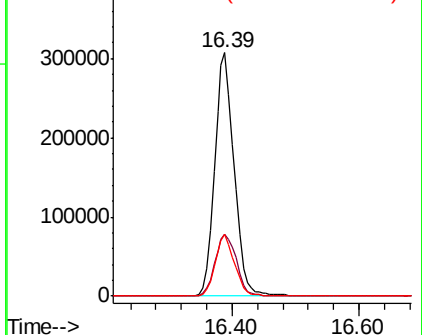
Acq: 2 Jul 2019 22:40

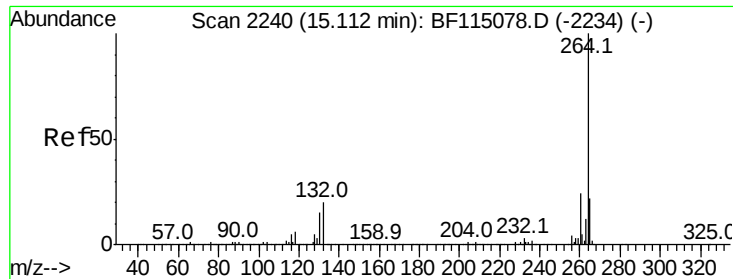
Tgt Ion:	276	Resp:	664278
Ion Ratio	Lower	Upper	
276	100		
138	27.7	23.2	34.8
277	25.3	20.1	30.1

Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.11 min Scan# 2240

Delta R.T. 0.03 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Instrument :

BNA_F

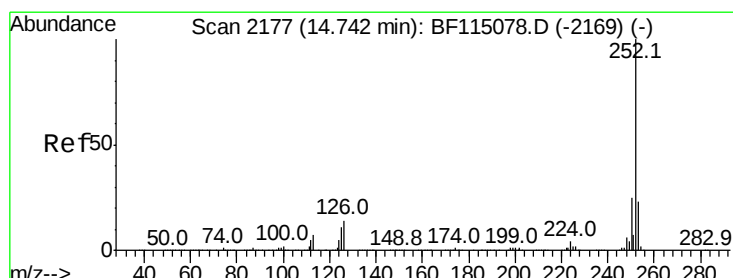
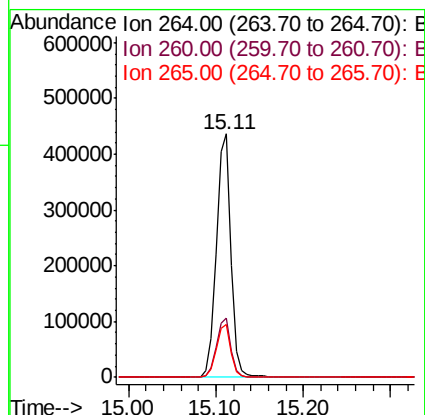
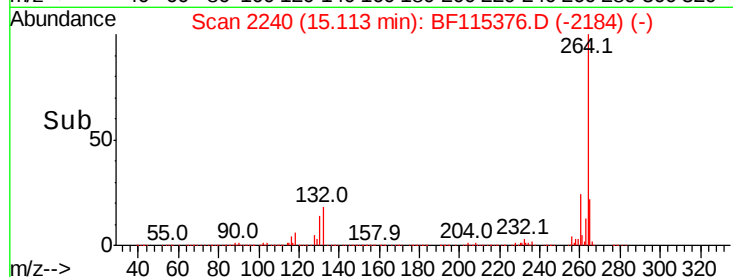
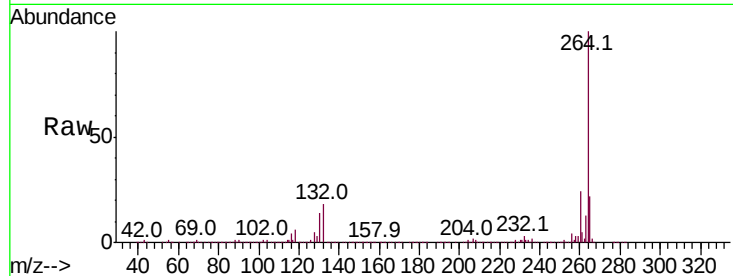
ClientSampleId :

NB-SOIL-PILEMS

Tot Ion:	264	Resp:	505672
Ion Ratio		Lower	Upper
264	100		
260	24.3	19.6	29.4
265	22.0	17.3	25.9

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#88

Benzo(b)fluoranthene

Concen: 26.643 ng

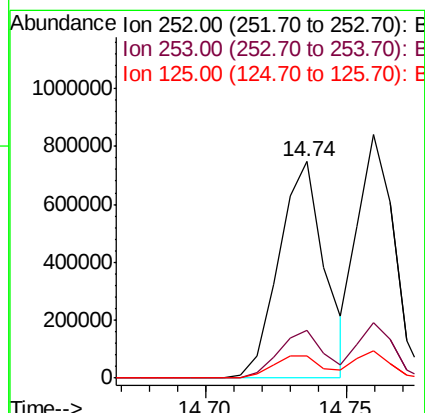
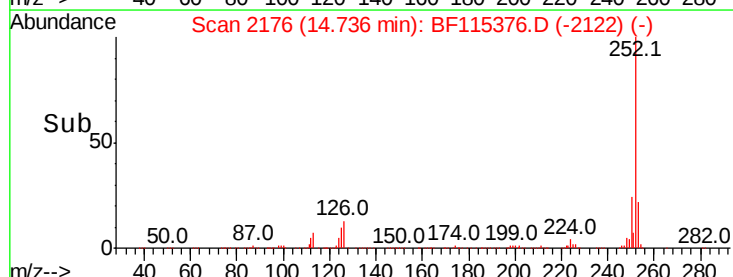
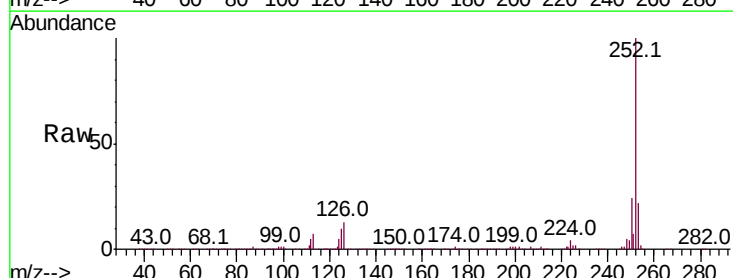
RT: 14.74 min Scan# 2176

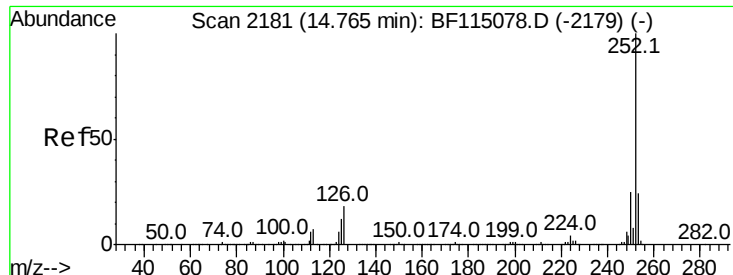
Delta R.T. 0.02 min

Lab File: BF115376.D

Acq: 2 Jul 2019 22:40

Tgt Ion:	252	Resp:	840649
Ion Ratio		Lower	Upper
252	100		
253	21.9	18.1	27.1
125	10.3	8.7	13.1





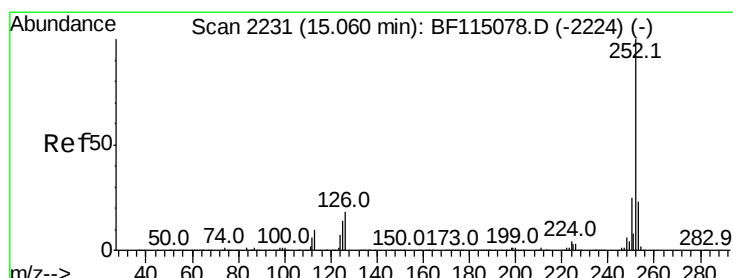
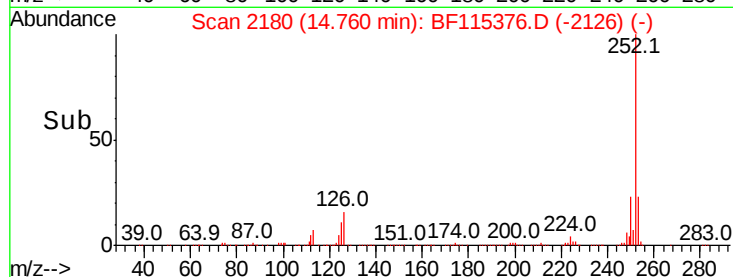
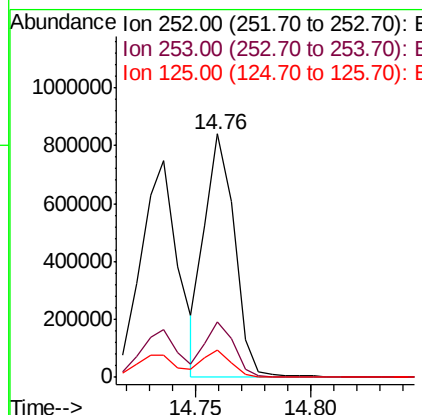
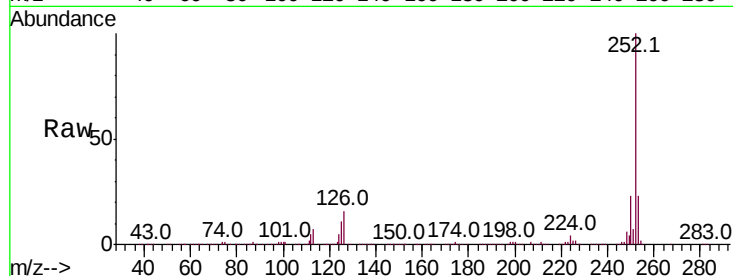
#89
Benzo(k)fluoranthene
Concen: 26.505 ng
RT: 14.76 min Scan# 2180
Delta R.T. 0.02 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.9	28.3
125	11.4	10.2	15.2

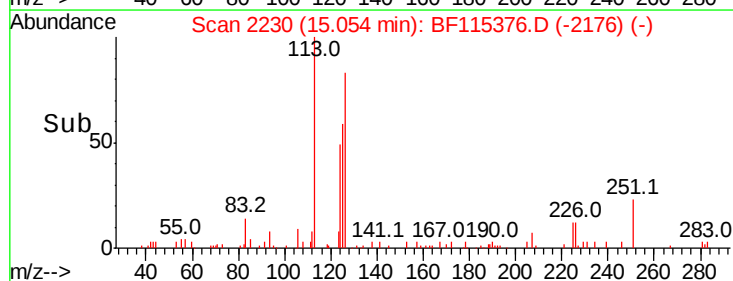
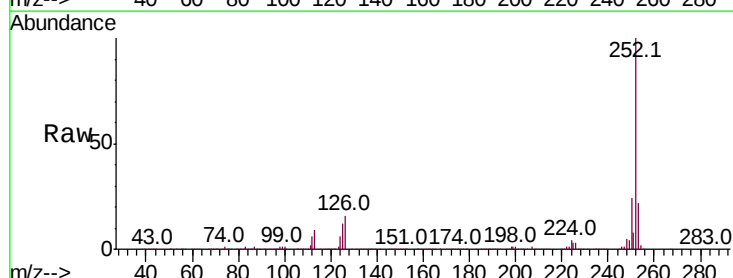
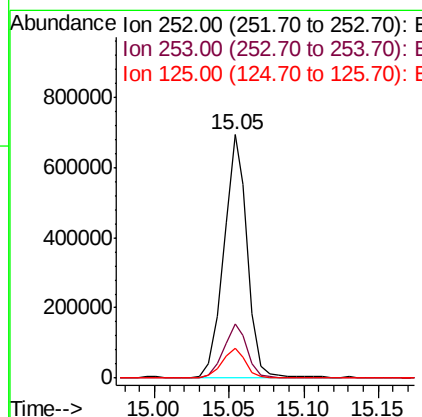
Manual Integrations
APPROVED

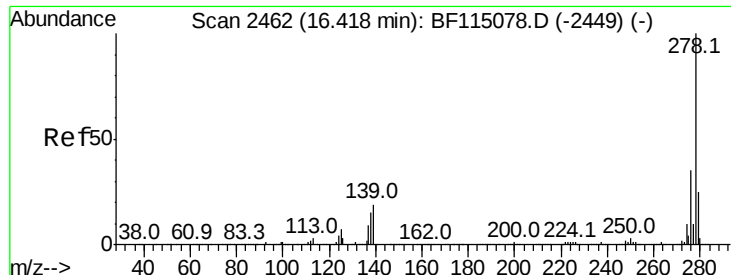
mohammad
7/3/2019 10:51:56 PM



#90
Benzo(a)pyrene
Concen: 26.833 ng
RT: 15.05 min Scan# 2230
Delta R.T. 0.02 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.3	27.5
125	12.1	10.9	16.3





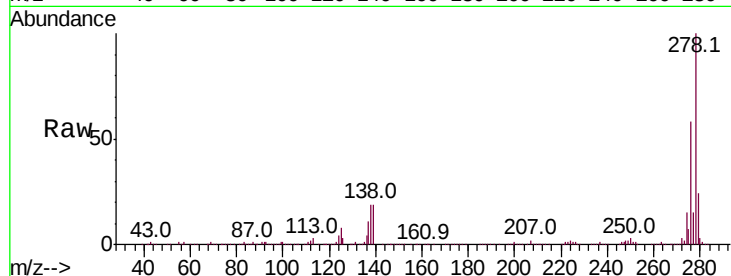
#91
Dibenzo(a,h)anthracene
Concen: 20.906 ng
RT: 16.40 min Scan# 2459
Delta R.T. 0.03 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMS

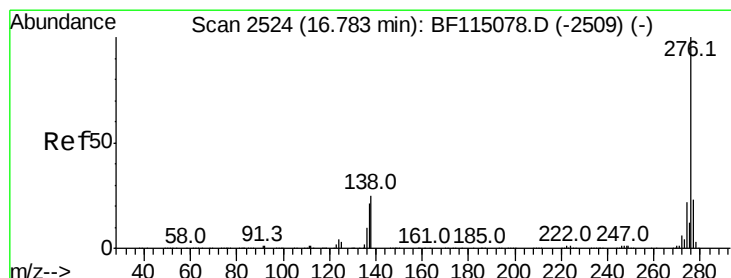
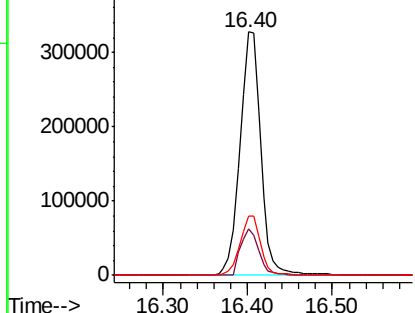
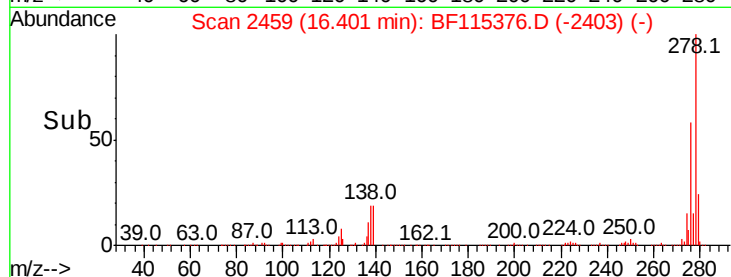
Tot Ion	Ratio	Lower	Upper
278	100		
139	19.0	15.4	23.2
279	24.2	19.9	29.9

Manual Integrations
APPROVED

mohammad
7/3/2019 10:51:56 PM

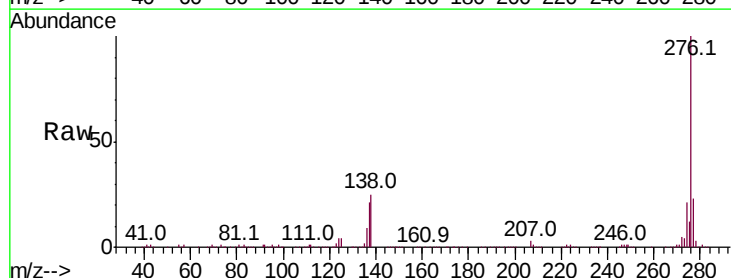


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 19.249 ng
RT: 16.77 min Scan# 2521
Delta R.T. 0.03 min
Lab File: BF115376.D
Acq: 2 Jul 2019 22:40

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.6	28.0
138	24.8	19.8	29.6



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

