

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070219\
 Data File : BF115377.D
 Acq On : 2 Jul 2019 23:07
 Operator : HP/JU
 Sample : K3629-01MSD
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILEMSD

Manual Integrations
 APPROVED

mohammad
 7/3/2019 10:52:00 PM

Quant Time: Jul 03 11:43:31 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	226578	20.00	ng	0.00
21) Naphthalene-d8	7.89	136	883963	20.00	ng	0.00
39) Acenaphthene-d10	9.64	164	422356	20.00	ng	0.01
64) Phenanthrene-d10	11.11	188	810723	20.00	ng	0.02
76) Chrysene-d12	13.74	240	472620	20.00	ng	0.02
87) Perylene-d12	15.11	264	502739	20.00	ng	0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.21	112	990848	67.48	ng	0.02
7) Phenol-d6	6.25	99	1285975	72.16	ng	0.01
23) Nitrobenzene-d5	7.17	82	769190	53.53	ng	0.00
42) 2,4,6-Tribromophenol	10.42	330	338310	75.96	ng	0.02
45) 2-Fluorobiphenyl	8.97	172	1470527	59.14	ng	0.00
79) Terphenyl-d14	12.70	244	1474392	66.33	ng	0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.23	88	126991	18.326	ng	99
3) Pyridine	2.88	79	200933	10.288	ng	98
4) n-Nitrosodimethylamine	2.81	42	147083	19.210	ng	95
6) Aniline	6.26	93	324005	13.229	ng	# 1
8) 2-Chlorophenol	6.39	128	391276	23.700	ng	100
9) Benzaldehyde	6.14	77	229177	19.711	ng	98
10) Phenol	6.26	94	470401	22.534	ng	90
11) bis(2-Chloroethyl)ether	6.35	93	350242	22.761	ng	98
12) 1,3-Dichlorobenzene	6.55	146	419381	22.888	ng	98
13) 1,4-Dichlorobenzene	6.62	146	431639	23.492	ng	99
14) 1,2-Dichlorobenzene	6.78	146	405668	23.841	ng	98
15) Benzyl Alcohol	6.75	79	275030	21.194	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.90	45	484638	21.715	ng	96
17) 2-Methylphenol	6.87	107	323798	23.760	ng	99
18) Hexachloroethane	7.12	117	143321	21.637	ng	99
19) n-Nitroso-di-n-propylamine	7.02	70	249616	21.878	ng	98
20) 3+4-Methylphenols	7.02	107	392791	24.962	ng	# 84
22) Acetophenone	7.02	105	534812	26.428	ng	# 94
24) Nitrobenzene	7.19	77	392051	24.765	ng	98
25) Isophorone	7.43	82	688148	23.377	ng	99
26) 2-Nitrophenol	7.51	139	208783	26.705	ng	98
27) 2,4-Dimethylphenol	7.55	122	328355	25.652	ng	99
28) bis(2-Chloroethoxy)methane	7.65	93	449463	24.157	ng	100
29) 2,4-Dichlorophenol	7.75	162	338134	25.597	ng	96
30) 1,2,4-Trichlorobenzene	7.84	180	363613	24.920	ng	98
31) Naphthalene	7.91	128	1118362	25.774	ng	98
32) Benzoic acid	7.62	122	14807m	1.621	ng	
33) 4-Chloroaniline	7.96	127	313486	15.808	ng	100
34) Hexachlorobutadiene	8.04	225	195084	24.397	ng	98
35) Caprolactam	8.31	113	87677m	19.741	ng	
36) 4-Chloro-3-methylphenol	8.45	107	338696	25.317	ng	99
37) 2-Methylnaphthalene	8.60	142	756686	25.864	ng	98
38) 1-Methylnaphthalene	8.70	142	710834	25.439	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.77	216	338989	28.403	ng	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.76	237	209231	29.565	ng	98
43) 2,4,6-Trichlorophenol	8.88	196	228703	24.821	ng	100
44) 2,4,5-Trichlorophenol	8.92	196	251900	26.547	ng	96
46) 1,1'-Biphenyl	9.07	154	900969	26.660	ng	99
47) 2-Chloronaphthalene	9.09	162	711251	25.946	ng	100
48) 2-Nitroaniline	9.18	65	207252	25.933	ng	89
49) Acenaphthylene	9.50	152	1126782	26.382	ng	98
50) Dimethylphthalate	9.37	163	1037678	33.394	ng	99
51) 2,6-Dinitrotoluene	9.42	165	189052	26.353	ng	97
52) Acenaphthene	9.67	154	653785	24.463	ng	99
53) 3-Nitroaniline	9.59	138	195844	22.371	ng	100
54) 2,4-Dinitrophenol	9.70	184	27608	14.136	ng	97
55) Dibenzofuran	9.84	168	978542	25.511	ng	99
56) 4-Nitrophenol	9.76	139	290191	41.346	ng	92
57) 2,4-Dinitrotoluene	9.82	165	247794	26.751	ng	93
58) Fluorene	10.18	166	705362	24.639	ng	96
59) 2,3,4,6-Tetrachlorophenol	9.97	232	193726	24.348	ng	97
60) Diethylphthalate	10.07	149	789518	25.276	ng	99
61) 4-Chlorophenyl-phenylether	10.18	204	344920	25.467	ng	98
62) 4-Nitroaniline	10.20	138	211709	24.106	ng	98
63) Azobenzene	10.34	77	705895	24.195	ng	98
65) 4,6-Dinitro-2-methylphenol	10.24	198	49930	15.339	ng	100
66) n-Nitrosodiphenylamine	10.30	169	656086	25.975	ng	99
67) 4-Bromophenyl-phenylether	10.67	248	231125	26.294	ng	99
68) Hexachlorobenzene	10.73	284	248989	26.097	ng	95
69) Atrazine	10.83	200	214966	26.457	ng	99
70) Pentachlorophenol	10.92	266	205518	33.812	ng	95
71) Phenanthrene	11.14	178	1099178	25.181	ng	98
72) Anthracene	11.19	178	1135501	25.770	ng	99
73) Carbazole	11.34	167	1019628	25.914	ng	99
74) Di-n-butylphthalate	11.70	149	1220439	26.843	ng	99
75) Fluoranthene	12.32	202	1064318	24.438	ng	98
77) Benzidine	12.45	184	97475	4.645	ng	98
78) Pyrene	12.55	202	1061618	29.229	ng	98
80) Butylbenzylphthalate	13.18	149	447329	27.908	ng	91
81) Benzo(a)anthracene	13.73	228	829839	24.470	ng	98
82) 3,3'-Dichlorobenzidine	13.70	252	275179	22.471	ng	99
83) Chrysene	13.77	228	804774	25.907	ng	98
84) Bis(2-ethylhexyl)phthalate	13.75	149	622767	29.651	ng	99
85) Di-n-octyl phthalate	14.36	149	942809	26.717	ng	99
86) Indeno(1,2,3-cd)pyrene	16.39	276	646116	17.578	ng	99
88) Benzo(b)fluoranthene	14.74	252	842386	26.854	ng	100
89) Benzo(k)fluoranthene	14.76	252	742718	26.402	ng	98
90) Benzo(a)pyrene	15.05	252	754176	26.674	ng	98
91) Dibenzo(a,h)anthracene	16.40	278	550282	20.848	ng	98
92) Benzo(g,h,i)perylene	16.77	276	505015	18.904	ng	99

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

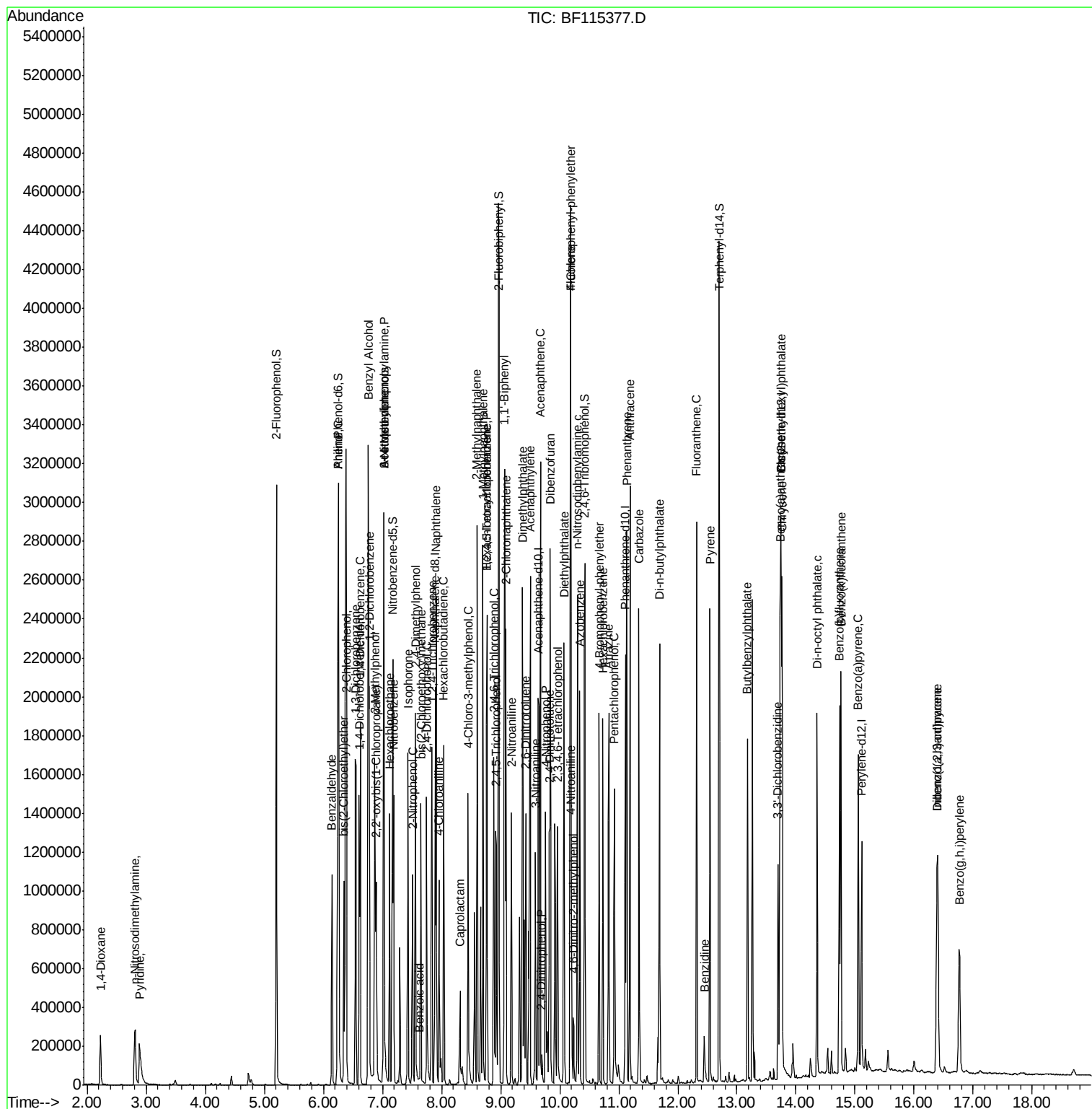
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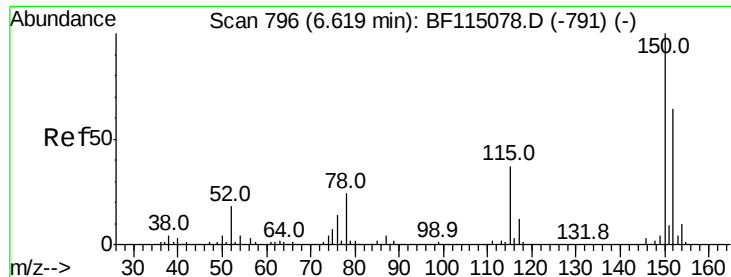
Instrument :
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#1

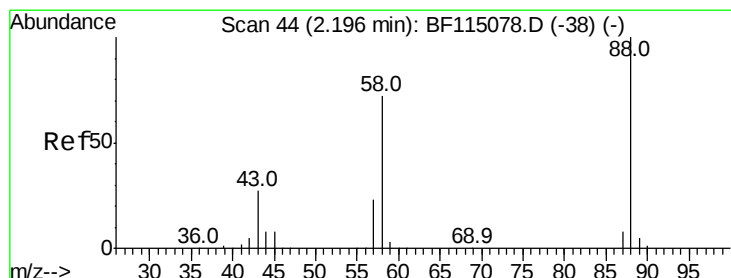
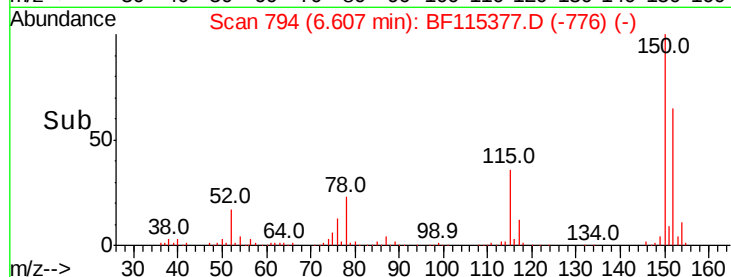
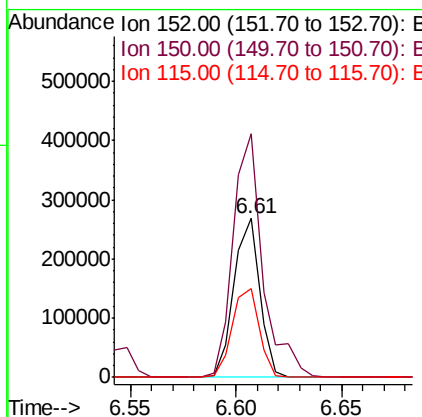
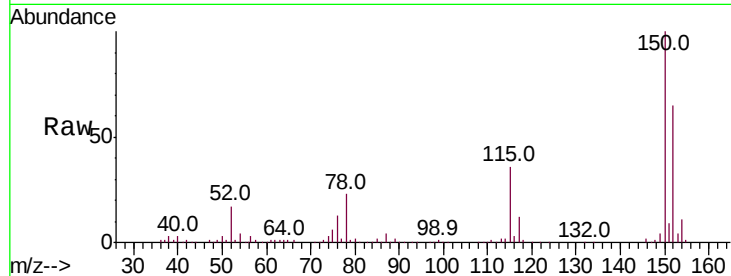
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.61 min Scan# 794
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	124.2	186.2
115	55.5	46.1	69.1

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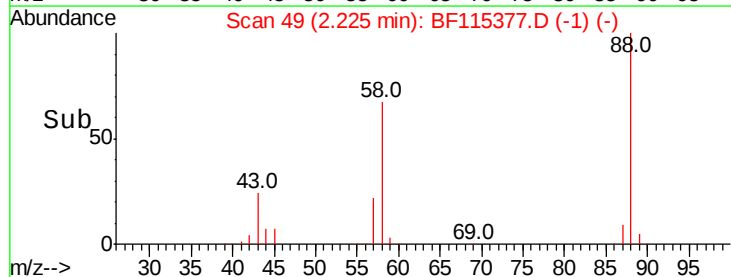
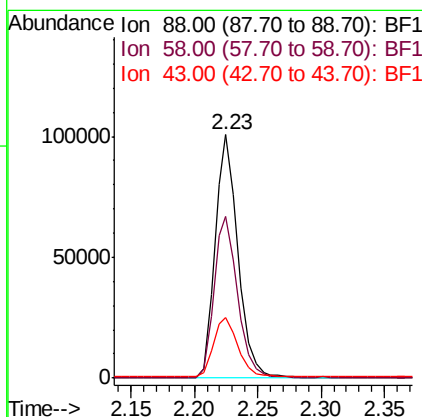
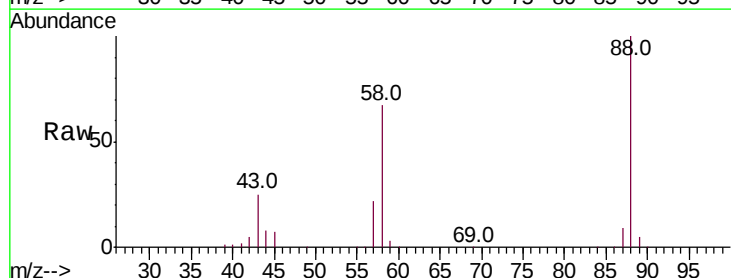
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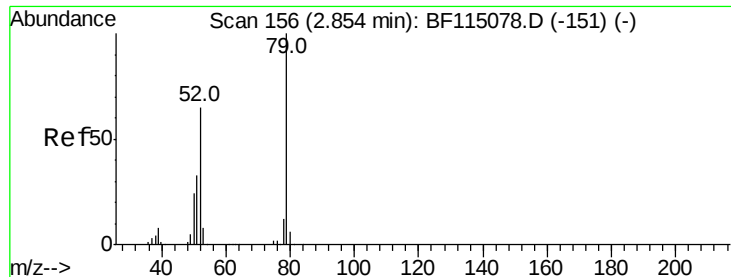


#2

1,4-Dioxane
Concen: 18.326 ng
RT: 2.23 min Scan# 49
Delta R.T. 0.07 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Tgt Ion	Ratio	Lower	Upper
88	100		
58	69.0	56.1	84.1
43	25.7	21.3	31.9





#3

Pvridine

Concen: 10.288 ng

RT: 2.88 min Scan# 161

Delta R.T. 0.08 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

Instrument :

BNA_F

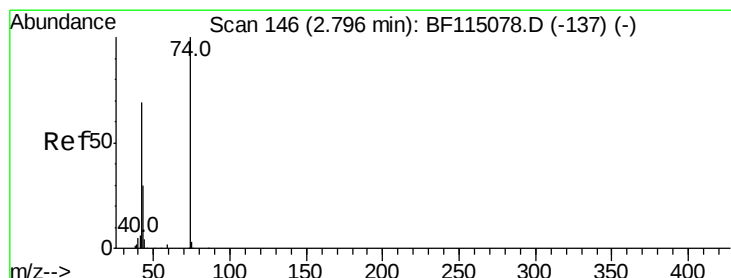
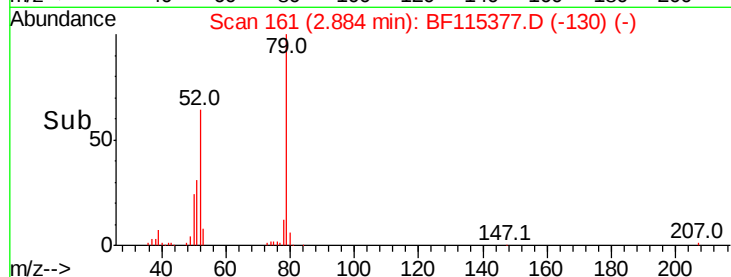
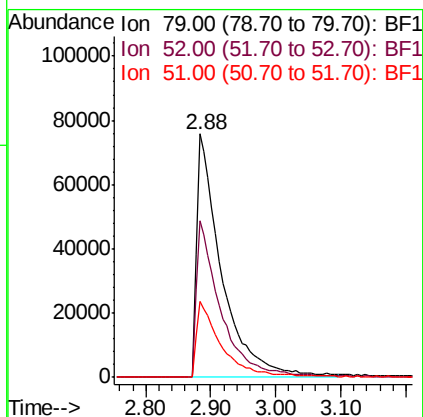
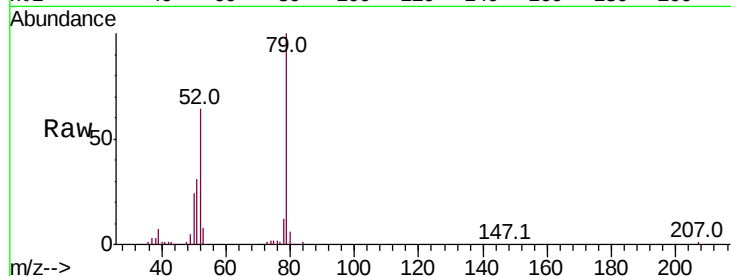
ClientSampleId :

NB-SOIL-PILEMSD

Tot Ion	Ratio	Lower	Upper
79	100		
52	64.2	52.3	78.5
51	31.2	26.1	39.1

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#4

n-Nitrosodimethylamine

Concen: 19.210 ng

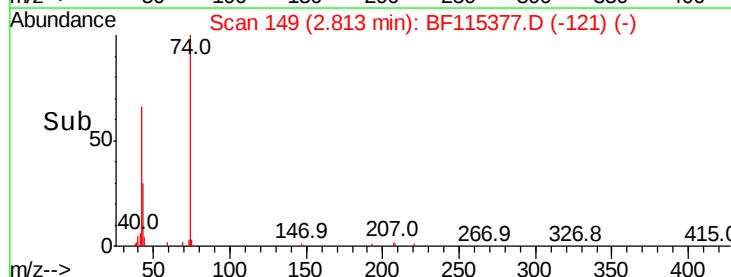
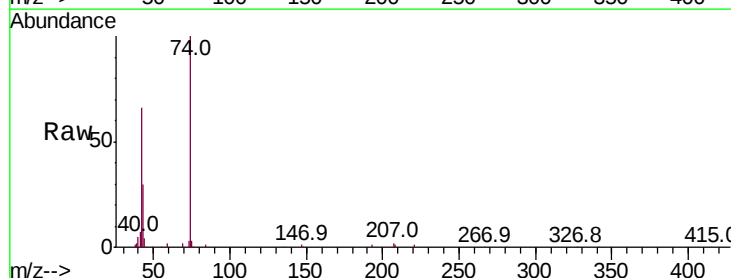
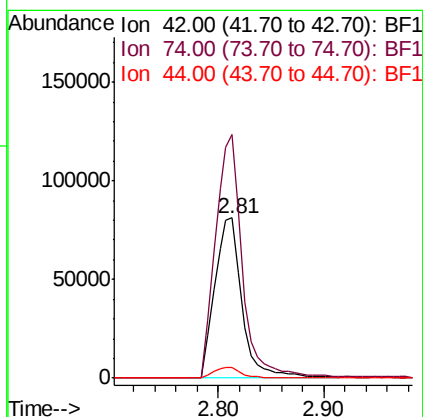
RT: 2.81 min Scan# 149

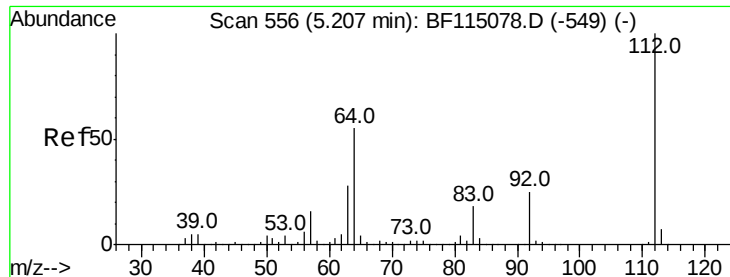
Delta R.T. 0.06 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

Tgt Ion	Ratio	Lower	Upper
42	100		
74	152.2	116.6	175.0
44	6.7	5.3	7.9





#5

2-Fluorophenol

Concen: 67.484 ng

RT: 5.21 min Scan# 556

Delta R.T. 0.02 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

Instrument :

BNA_F

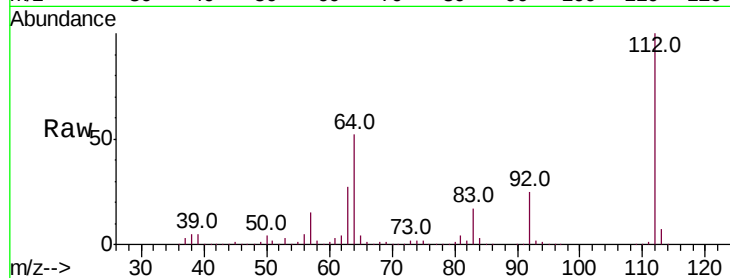
ClientSampleId :

NB-SOIL-PILEMSD

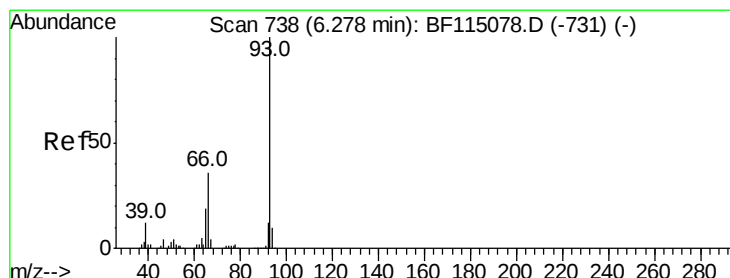
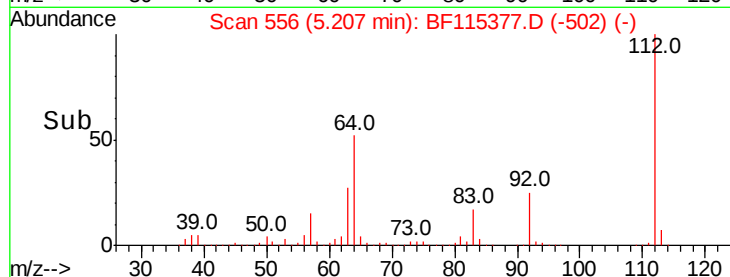
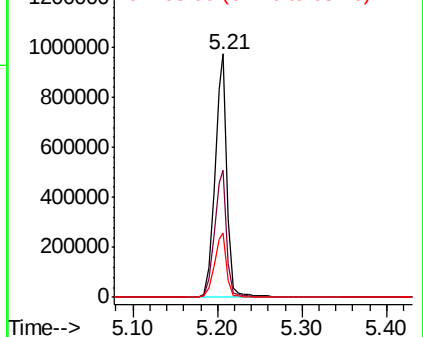
Tot Ion:	112	Resp:	990848
Ion Ratio	Lower	Upper	
112	100		
64	52.0	43.8	65.6
63	26.7	22.2	33.4

Manual Integrations
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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: 13.229 ng

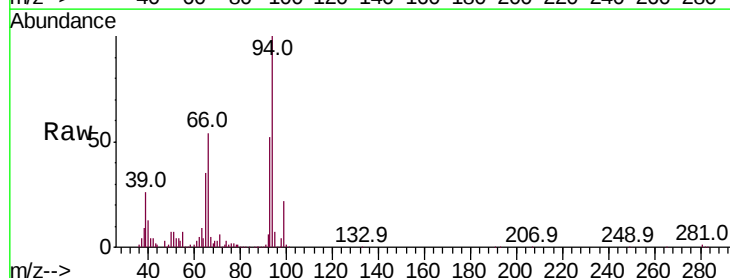
RT: 6.26 min Scan# 735

Delta R.T. 0.00 min

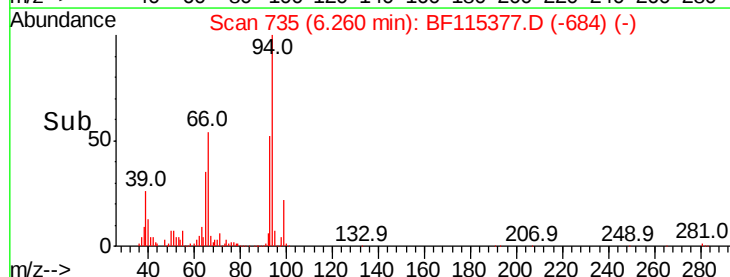
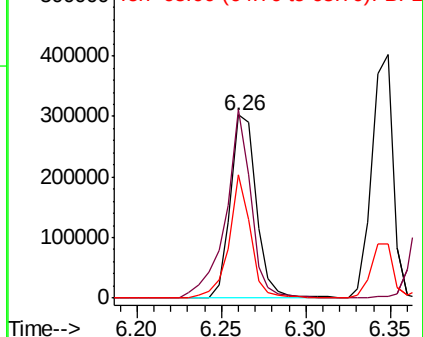
Lab File: BF115377.D

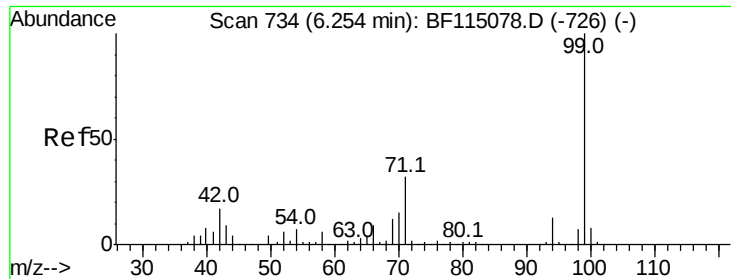
Acq: 2 Jul 2019 23:07

Tgt Ion:	93	Resp:	324005
Ion Ratio	Lower	Upper	
93	100		
66	102.9	30.0	45.0#
65	67.4	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: 72.160 ng

RT: 6.25 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMSD

Tot Ion: 99 Resp: 1285975

Ion Ratio Lower Upper

99 100

42 16.2 13.6 20.4

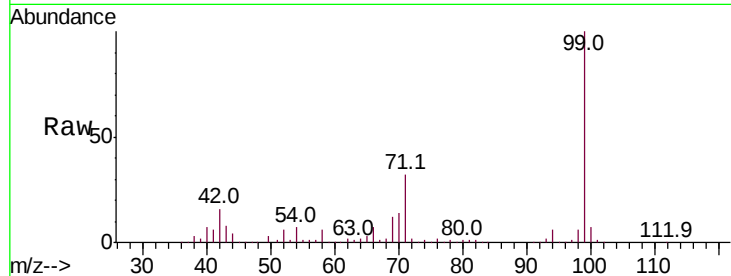
71 32.5 25.5 38.3

Manual Integrations

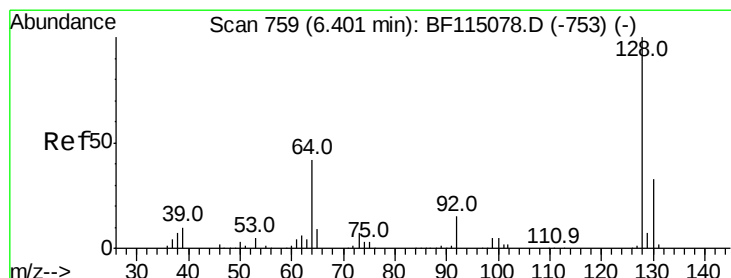
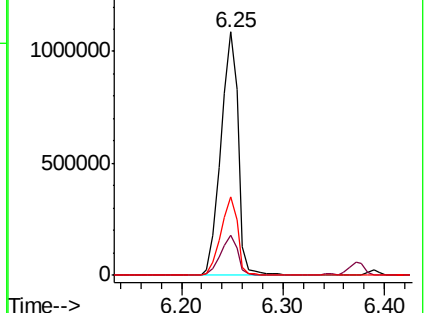
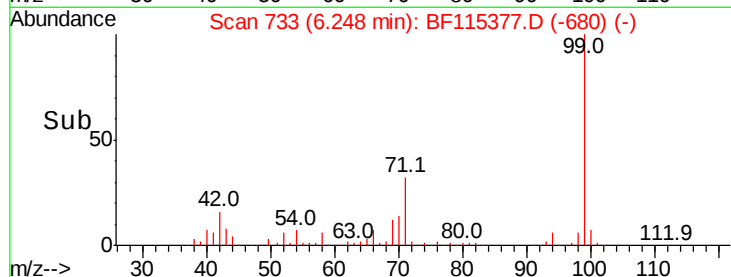
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Abundance Ion 99.00 (98.70 to 99.70): BF1
1500000
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 23.700 ng

RT: 6.39 min Scan# 757

Delta R.T. 0.01 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

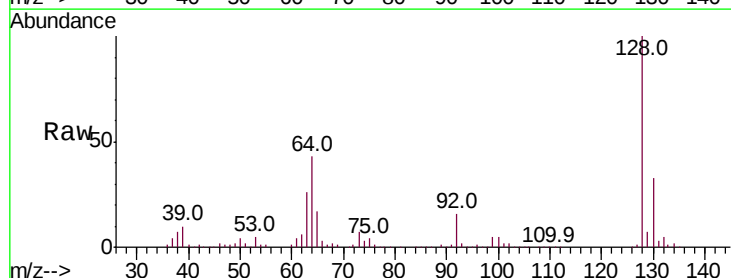
Tgt Ion:128 Resp: 391276

Ion Ratio Lower Upper

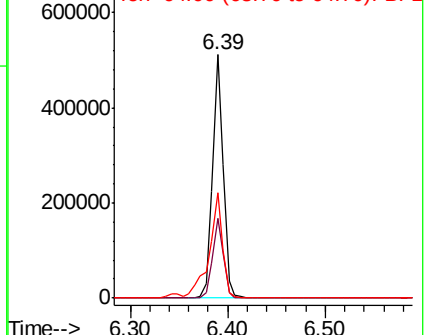
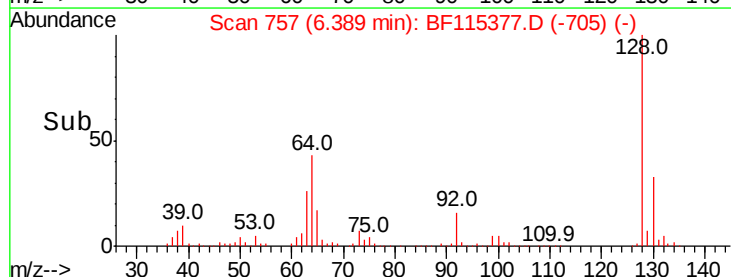
128 100

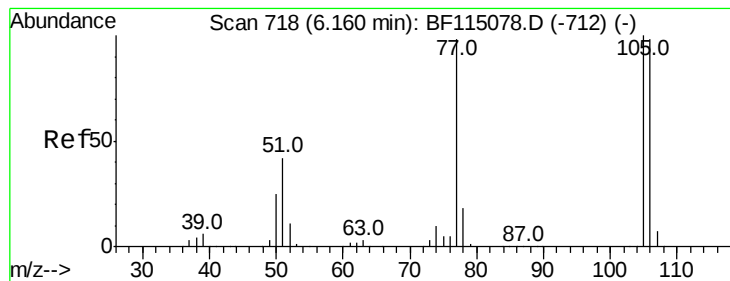
130 32.8 12.9 52.9

64 43.0 22.9 62.9



Abundance Ion 128.00 (127.70 to 128.70): E
600000
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 19.711 ng

RT: 6.14 min Scan# 715

Delta R.T. 0.00 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMSD

Tot Ion: 77 Resp: 229177

Ion Ratio Lower Upper

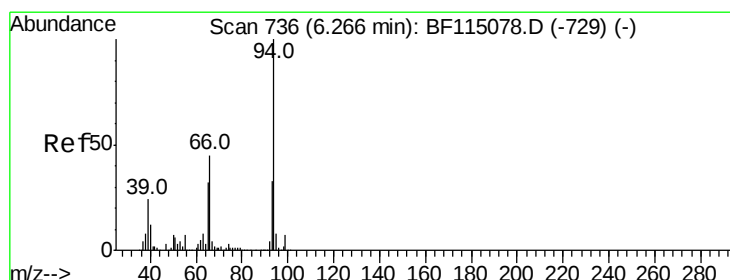
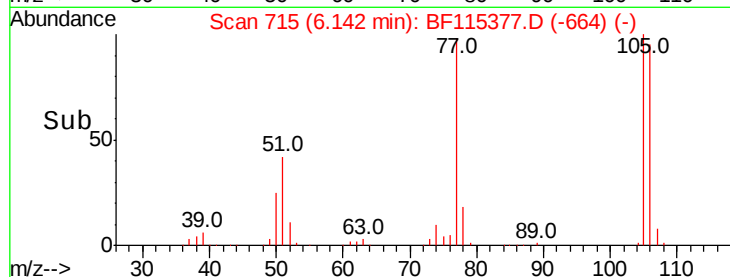
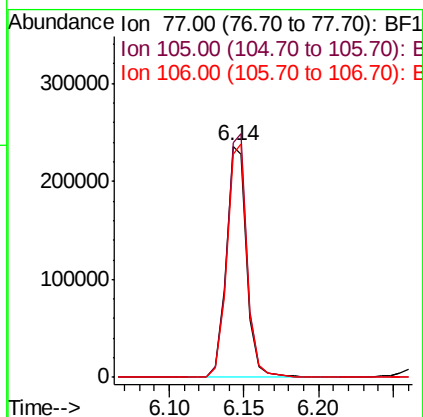
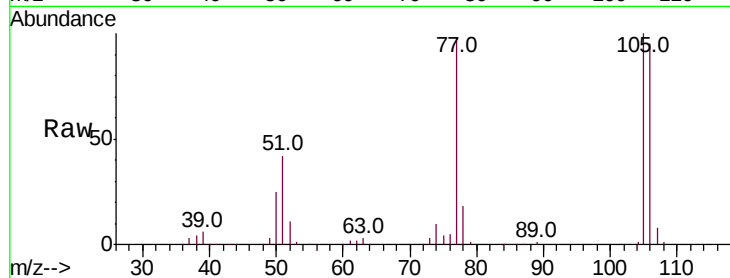
77 100

105 101.9 81.5 121.5

106 96.9 79.7 119.7

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#10

Phenol

Concen: 22.534 ng

RT: 6.26 min Scan# 735

Delta R.T. 0.01 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

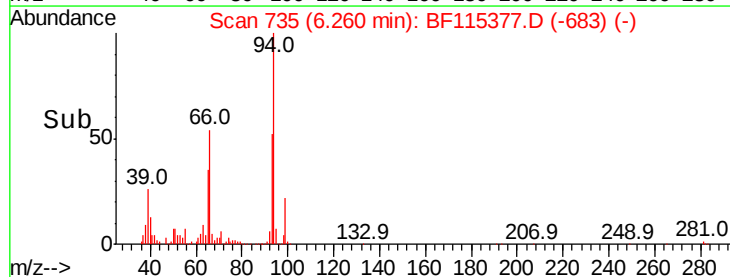
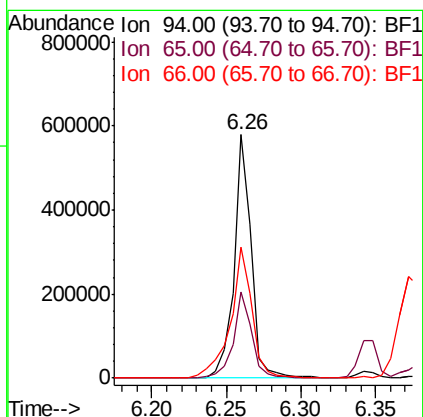
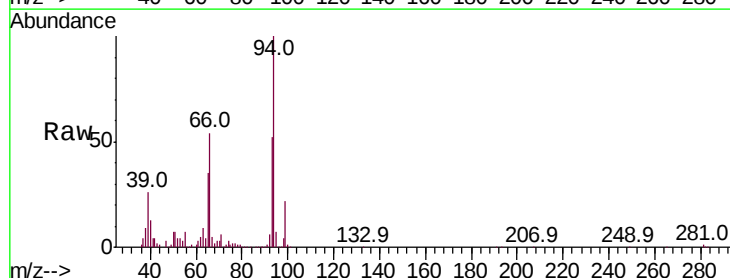
Tgt Ion: 94 Resp: 470401

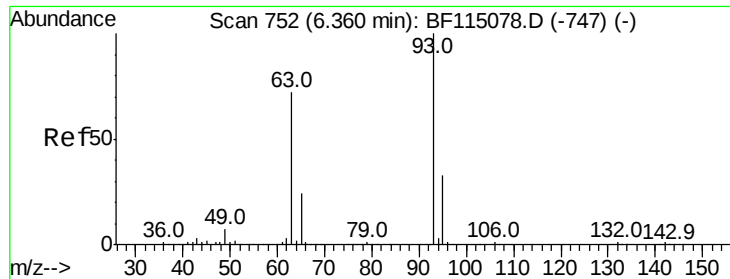
Ion Ratio Lower Upper

94 100

65 35.2 11.9 51.9

66 53.8 25.2 65.2





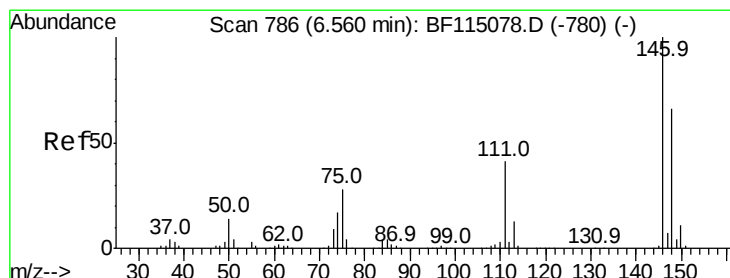
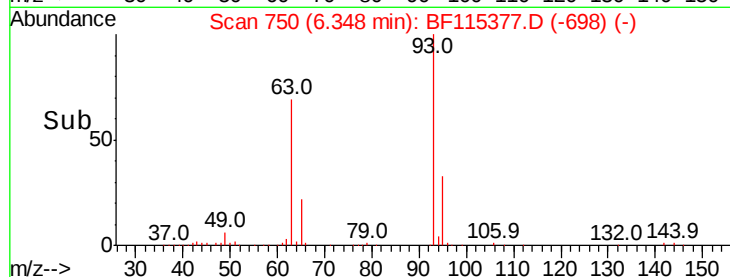
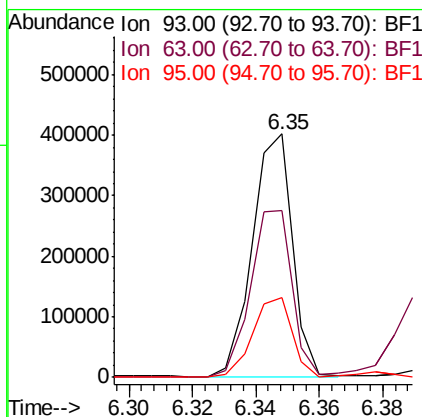
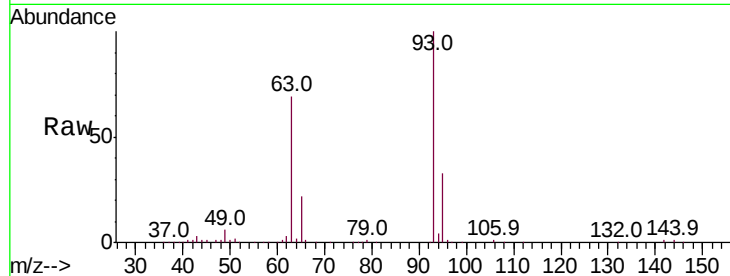
#11
bis(2-Chloroethyl)ether
Concen: 22.761 ng
RT: 6.35 min Scan# 750
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMSD

Tot Ion	Ratio	Resp	Lower	Upper
93	100	350242		
63	68.8	51.5	91.5	
95	33.0	13.4	53.4	

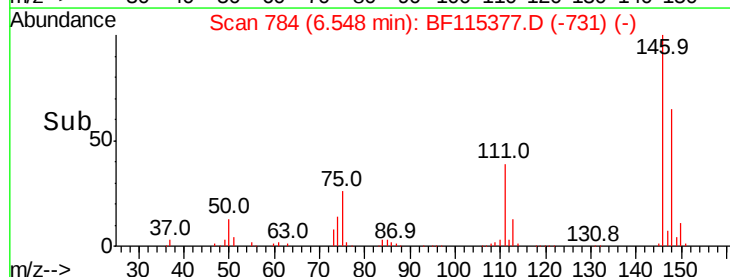
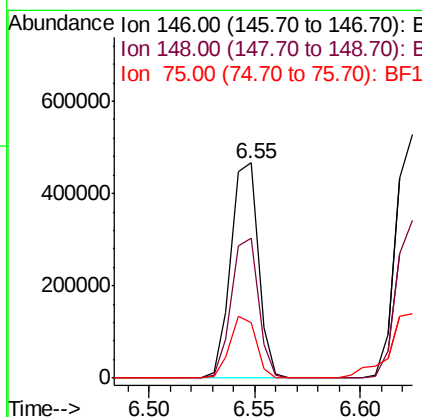
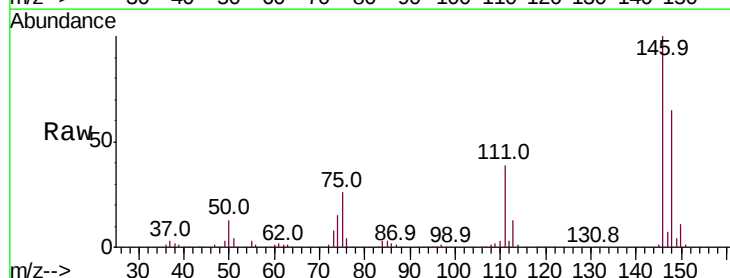
Manual Integrations
APPROVED

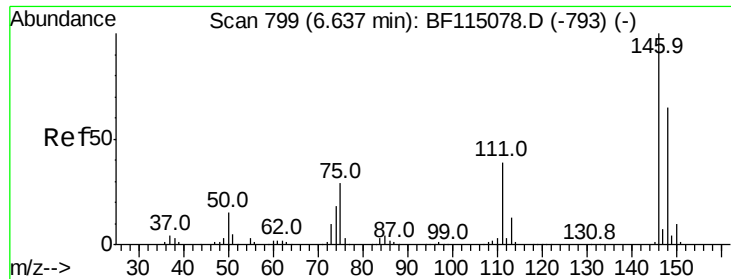
mohammad
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#12
1,3-Dichlorobenzene
Concen: 22.888 ng
RT: 6.55 min Scan# 784
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	419381		
148	65.2	52.6	78.8	
75	25.7	22.6	34.0	





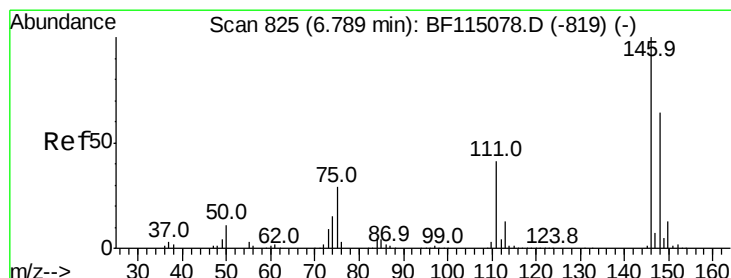
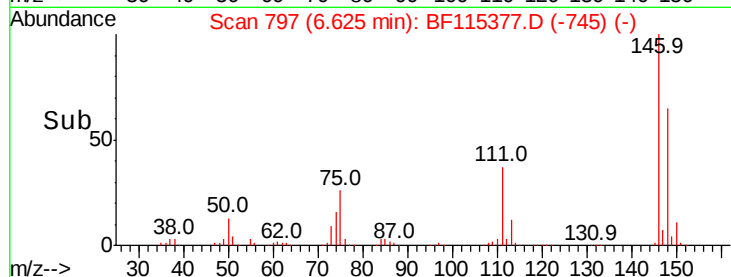
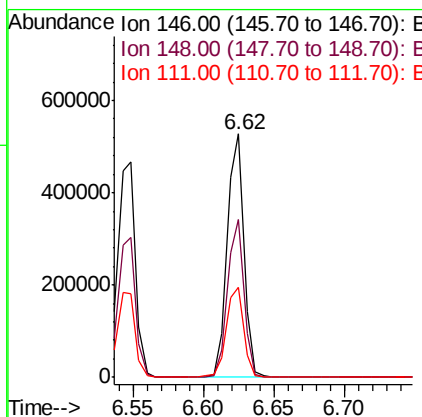
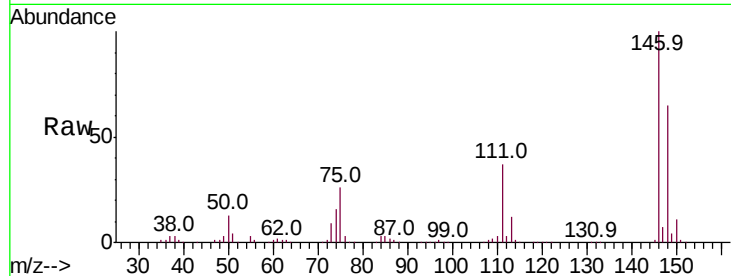
#13
 1,4-Dichlorobenzene
 Concen: 23.492 ng
 RT: 6.62 min Scan# 797
 Delta R.T. 0.01 min
 Lab File: BF115377.D
 Acq: 2 Jul 2019 23:07

Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILEMSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.1	51.9	77.9
111	37.1	31.4	47.0

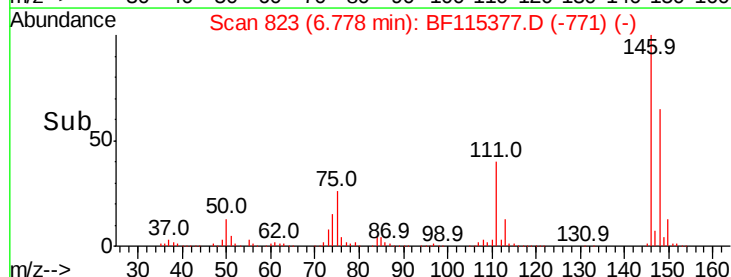
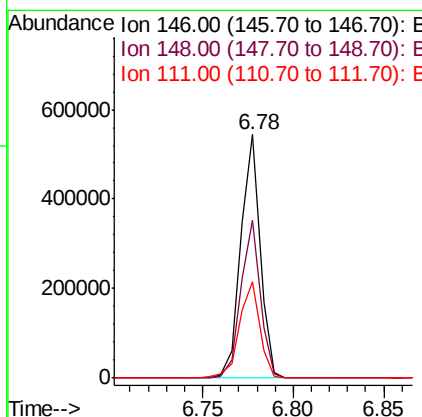
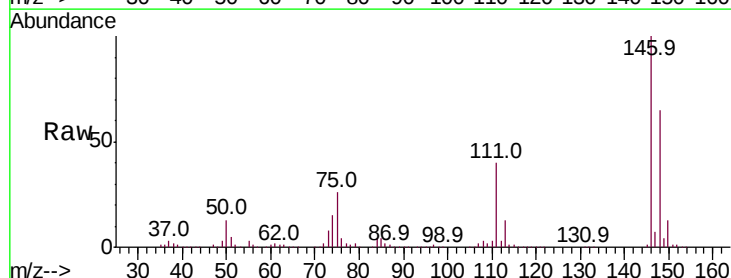
Manual Integrations
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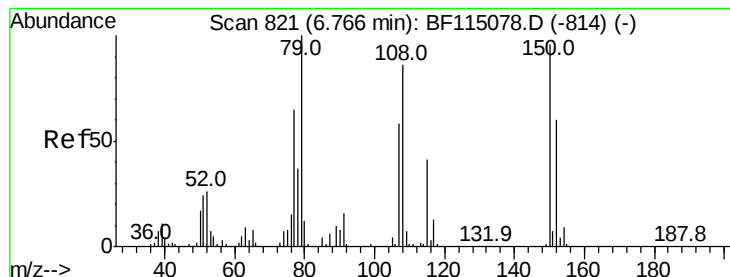
mohammad
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#14
 1,2-Dichlorobenzene
 Concen: 23.841 ng
 RT: 6.78 min Scan# 823
 Delta R.T. 0.01 min
 Lab File: BF115377.D
 Acq: 2 Jul 2019 23:07

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.1	76.7
111	39.9	33.2	49.8





#15

Benzyl Alcohol

Concen: 21.194 ng

RT: 6.75 min Scan# 819

Delta R.T. 0.01 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMSD

Tot Ion: 79 Resp: 275030

Ion Ratio Lower Upper

79 100

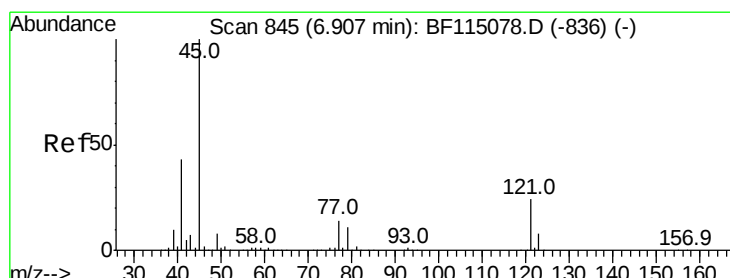
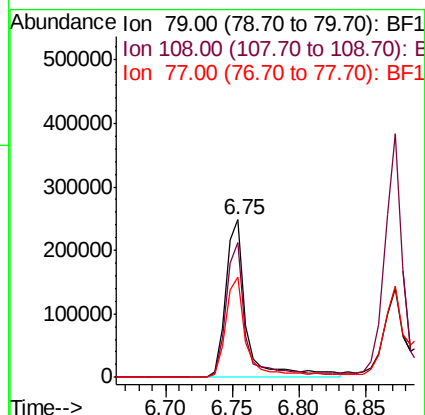
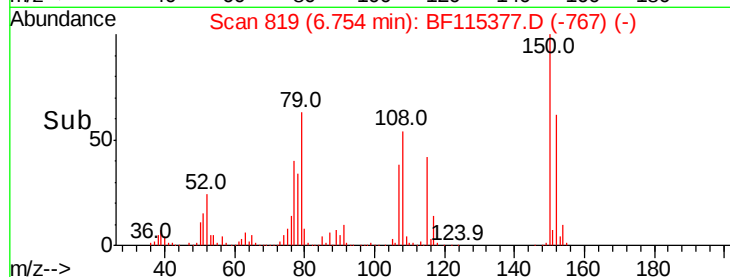
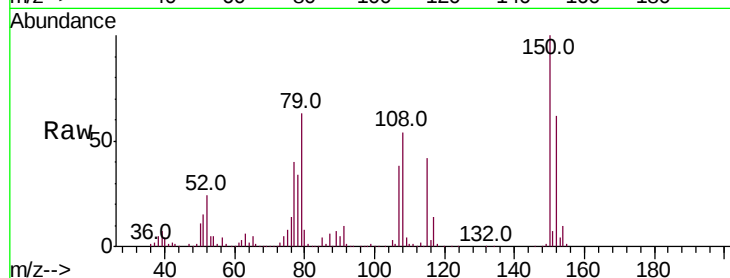
108 85.8 68.7 103.1

77 63.8 51.7 77.5

Manual Integrations
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#16

2,2'-oxybis(1-Chloropropane)

Concen: 21.715 ng

RT: 6.90 min Scan# 843

Delta R.T. 0.01 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

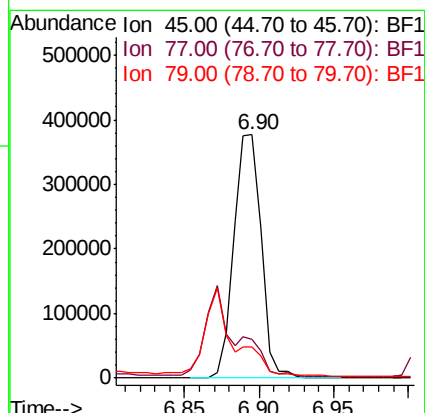
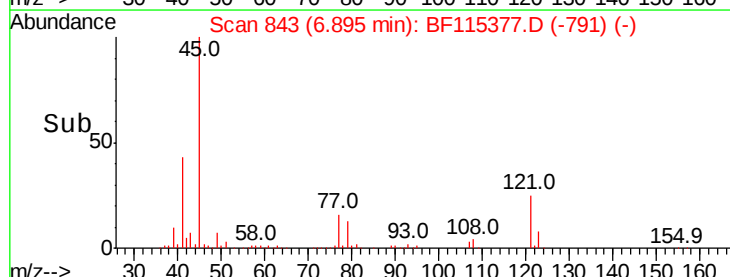
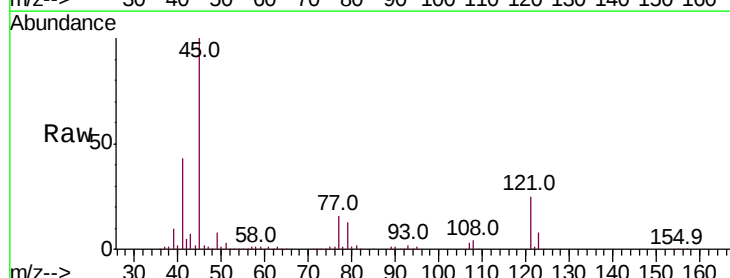
Tgt Ion: 45 Resp: 484638

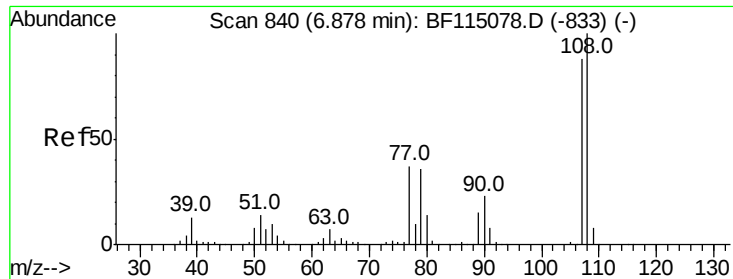
Ion Ratio Lower Upper

45 100

77 16.0 0.0 34.6

79 12.9 0.0 31.2





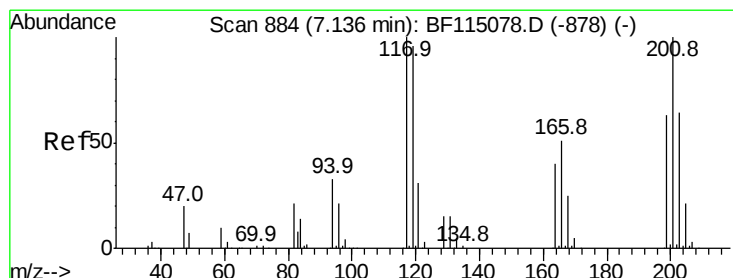
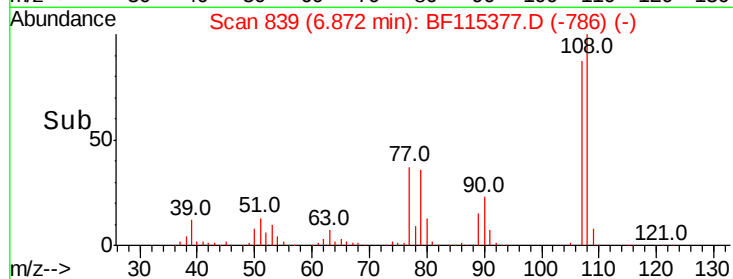
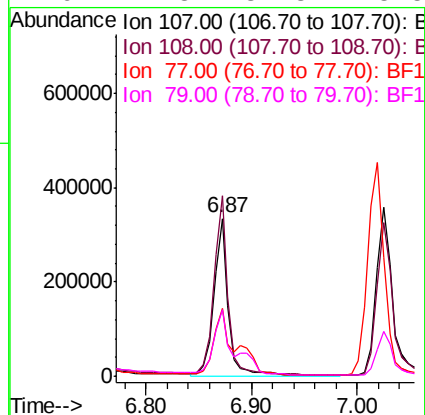
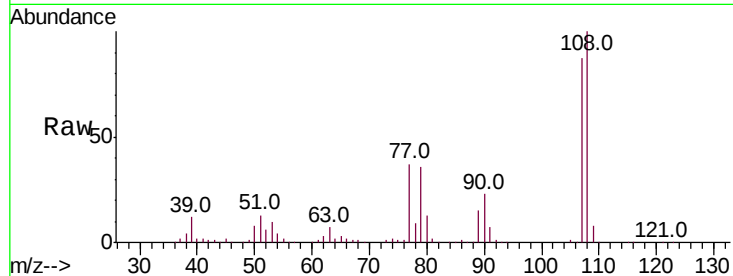
#17
2-Methylphenol
Concen: 23.760 ng
RT: 6.87 min Scan# 839
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	114.4	90.9	136.3
77	42.7	33.4	50.2
79	41.8	32.3	48.5

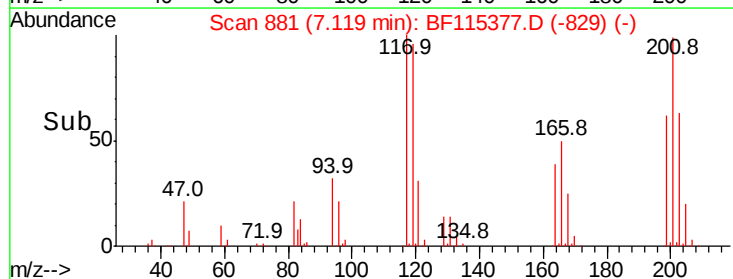
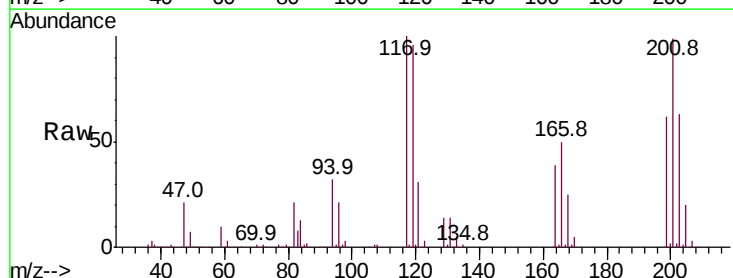
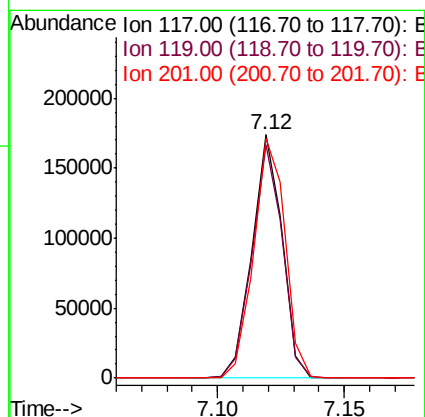
Manual Integrations
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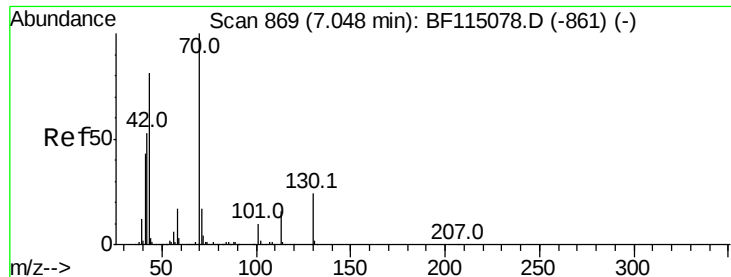
mohammad
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#18
Hexachloroethane
Concen: 21.637 ng
RT: 7.12 min Scan# 881
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.6	114.8
201	98.6	80.2	120.2





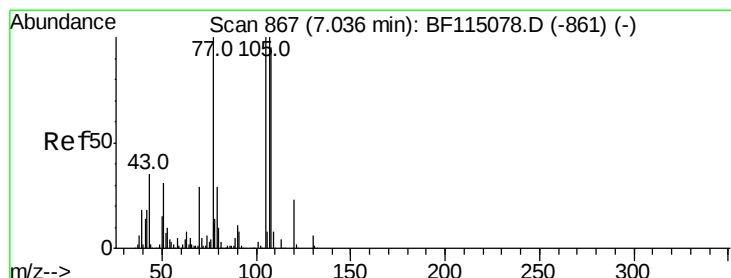
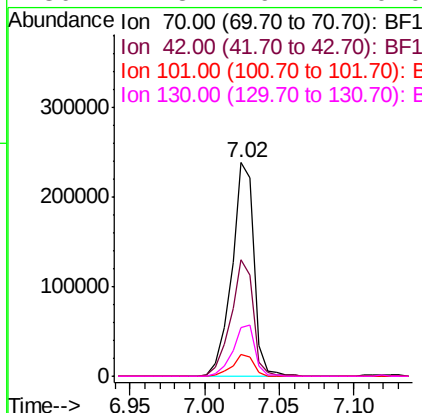
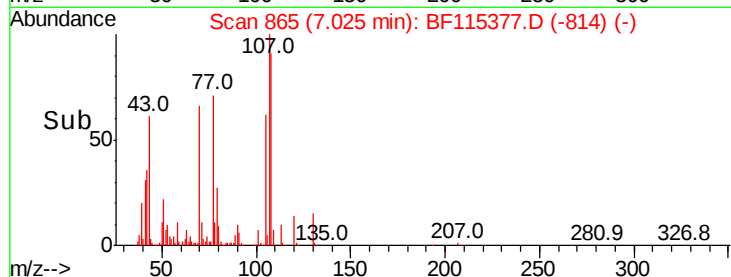
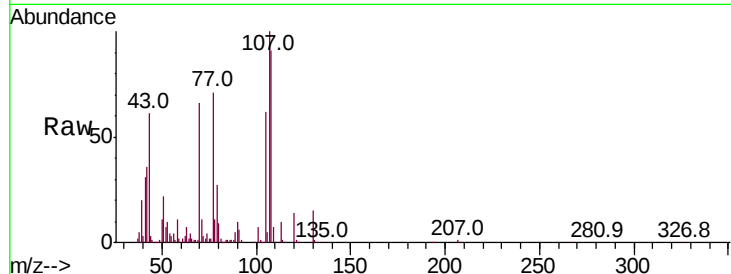
#19
n-Nitroso-di-n-propylamine
Concen: 21.878 ng
RT: 7.02 min Scan# 865
Delta R.T. 0.00 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	54.5	42.6	63.8		
101	9.9	8.0	12.0		
130	22.8	19.4	29.0		

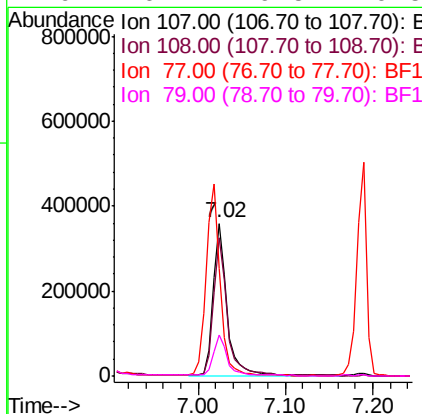
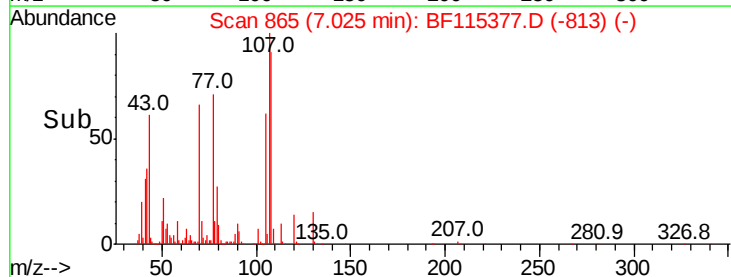
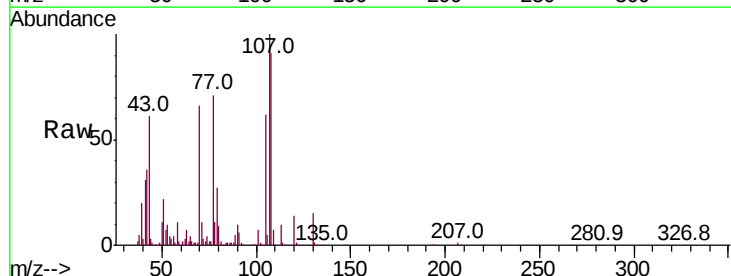
Manual Integrations
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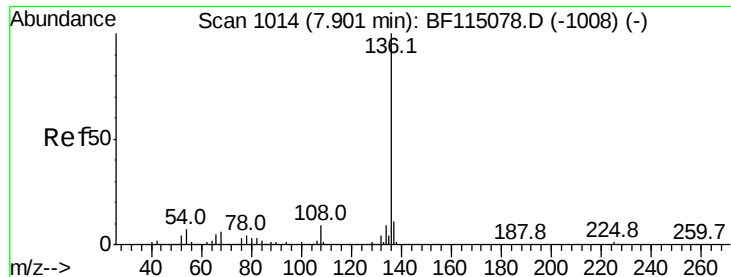
mohammad
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#20
3+4-Methylphenols
Concen: 24.962 ng
RT: 7.02 min Scan# 865
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	90.7	75.5	115.5		
77	70.6	80.2	120.2#		
79	26.7	9.5	49.5		





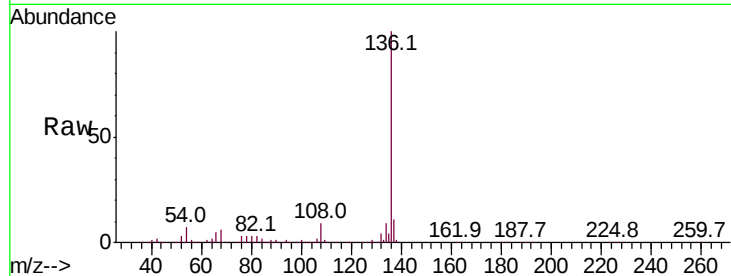
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.89 min Scan# 1012
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.4	8.9	13.3	
54	6.8	5.6	8.4	
68	5.9	4.8	7.2	

Manual Integrations
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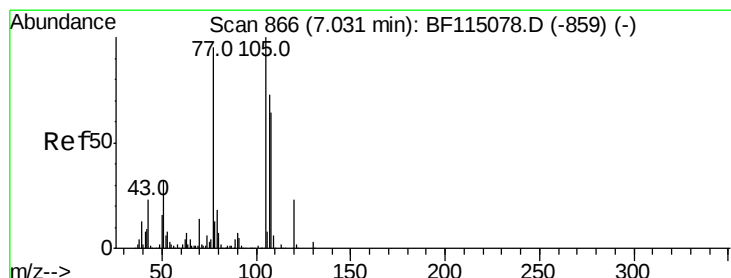
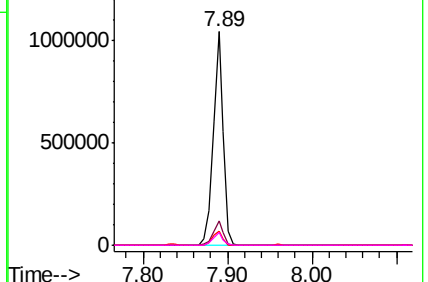
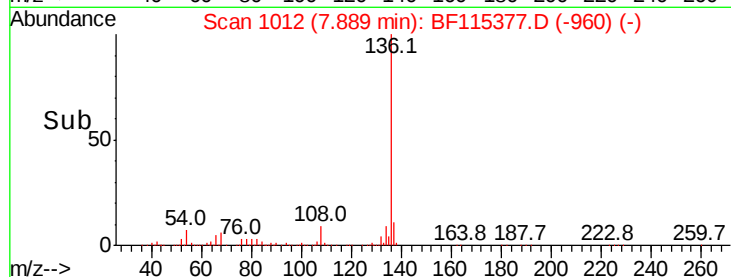
Abundance

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: 26.428 ng
RT: 7.02 min Scan# 864
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	3.9	1.9	2.9#	
51	26.7	25.8	38.8	
120	22.8	18.5	27.7	

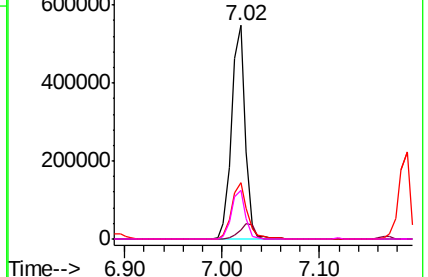
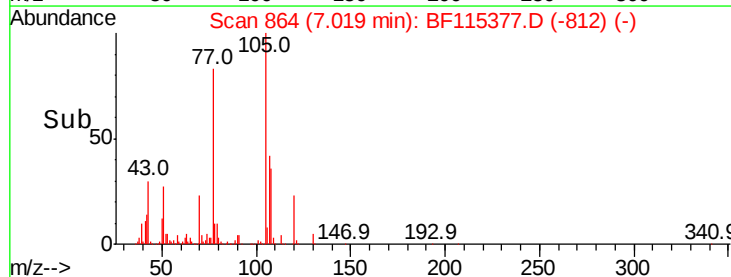
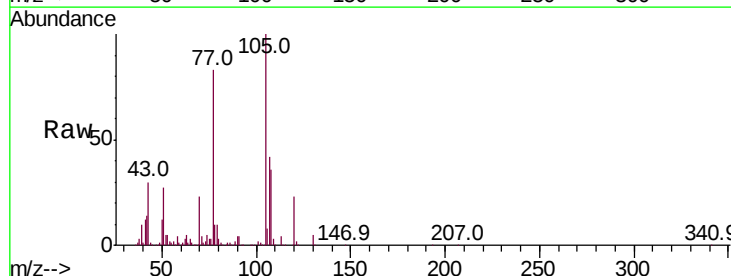
Abundance

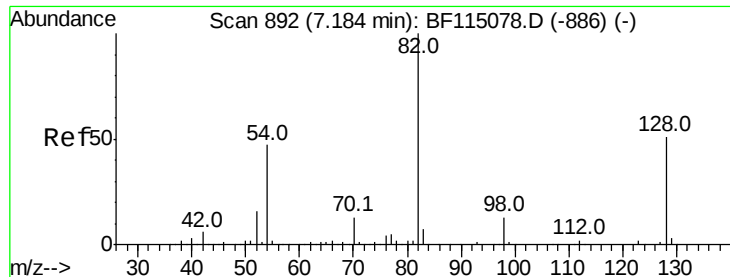
Ion 105.00 (104.70 to 105.70): E

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





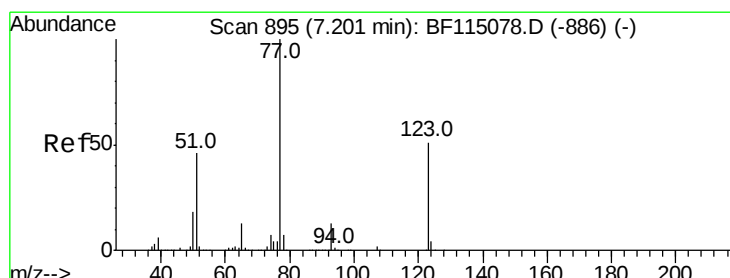
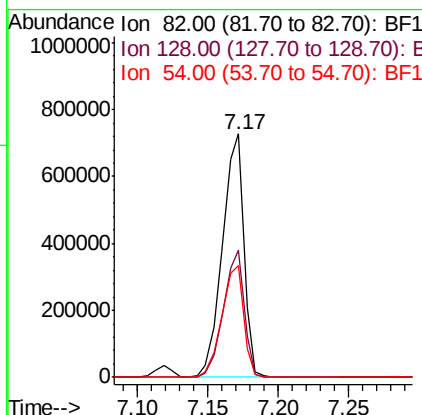
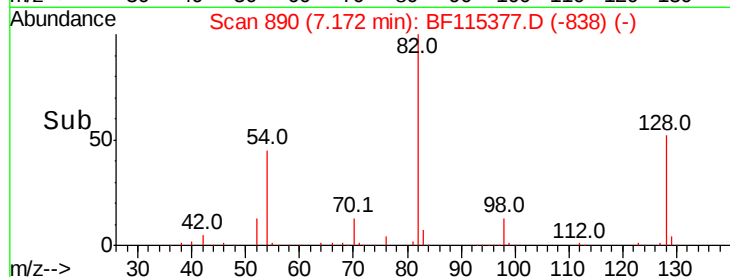
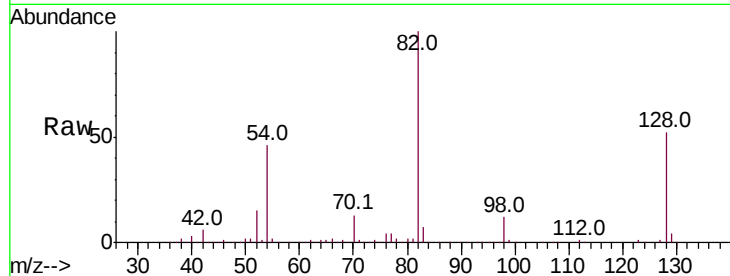
#23
Nitrobenzene-d5
Concen: 53.528 ng
RT: 7.17 min Scan# 890
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100	769190		
128	52.3	40.4	60.6	
54	45.9	37.5	56.3	

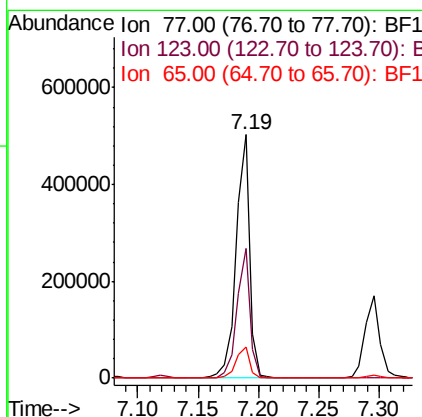
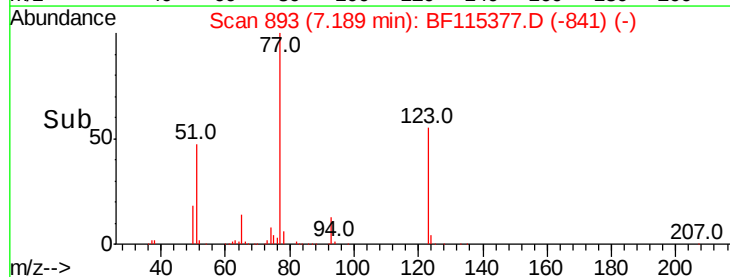
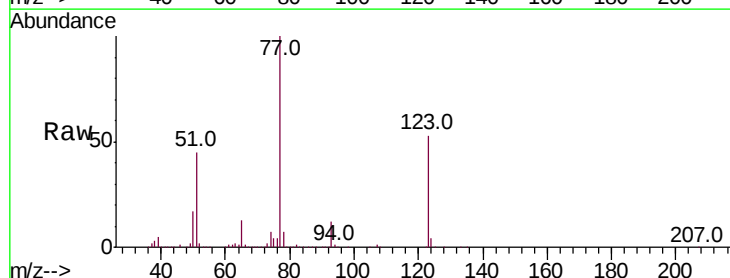
Manual Integrations
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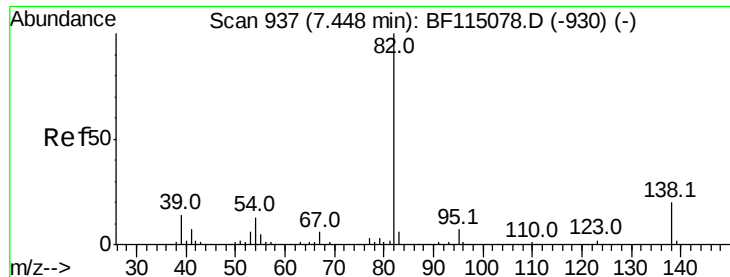
mohammad
7/3/2019 10:52:00 PM



#24
Nitrobenzene
Concen: 24.765 ng
RT: 7.19 min Scan# 893
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	392051		
123	53.1	41.0	61.6	
65	12.8	10.5	15.7	





#25

Isophorone

Concen: 23.377 ng

RT: 7.43 min Scan# 934

Delta R.T. 0.01 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

Instrument :

BNA_F

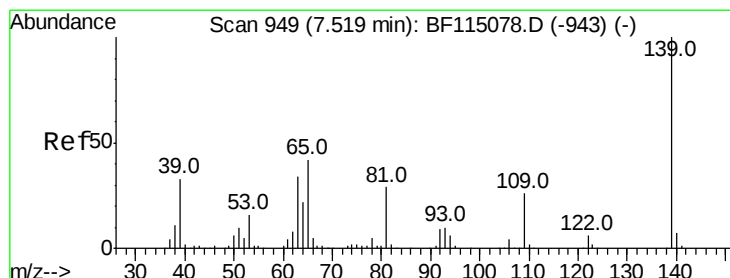
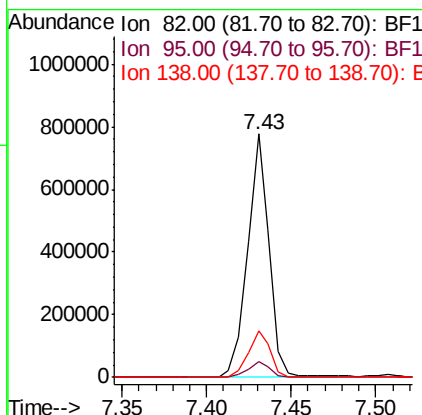
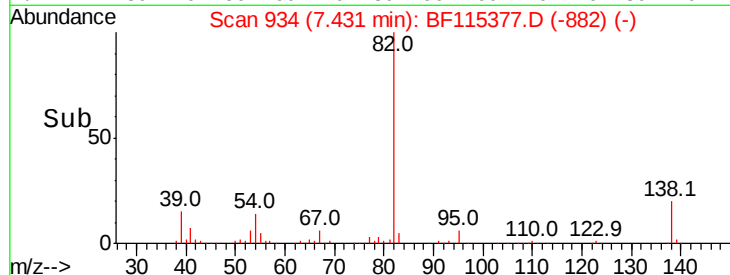
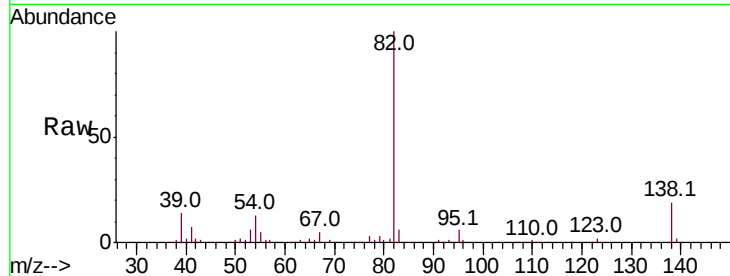
ClientSampleId :

NB-SOIL-PILEMSD

Tot Ion:	82	Resp:	688148
Ion Ratio	Lower	Upper	
82	100		
95	6.4	5.4	8.2
138	19.3	15.9	23.9

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#26

2-Nitrophenol

Concen: 26.705 ng

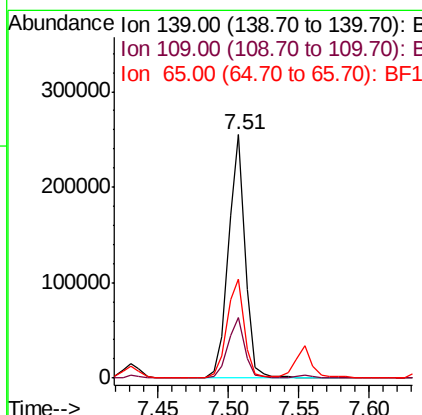
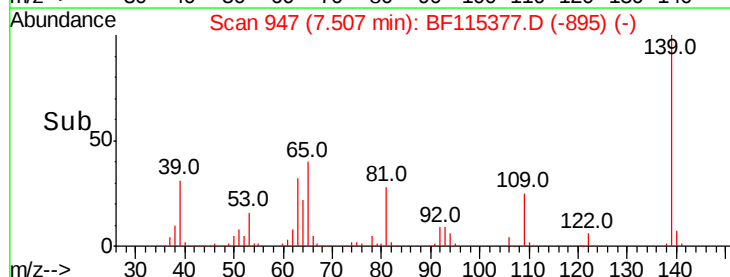
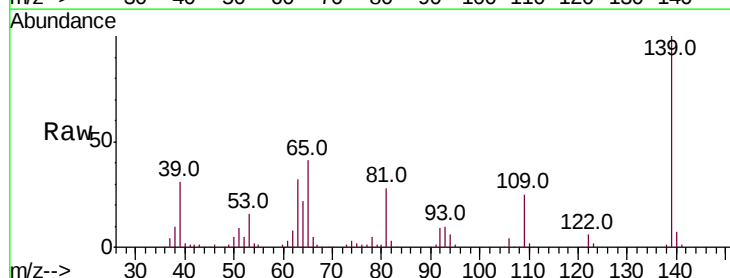
RT: 7.51 min Scan# 947

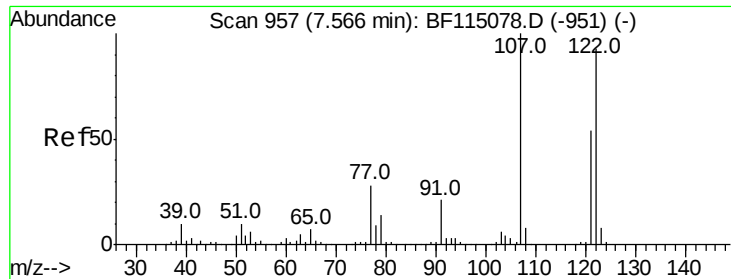
Delta R.T. 0.01 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

Tgt Ion:	139	Resp:	208783
Ion Ratio	Lower	Upper	
139	100		
109	24.9	20.4	30.6
65	40.8	33.6	50.4





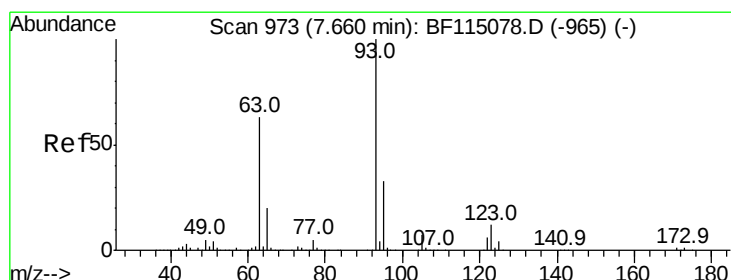
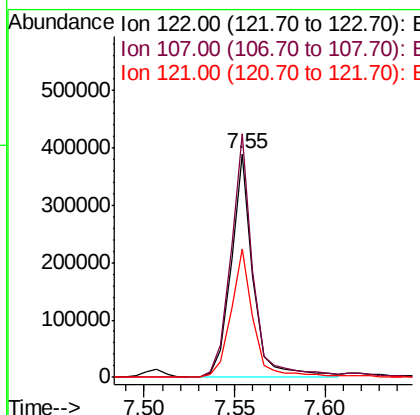
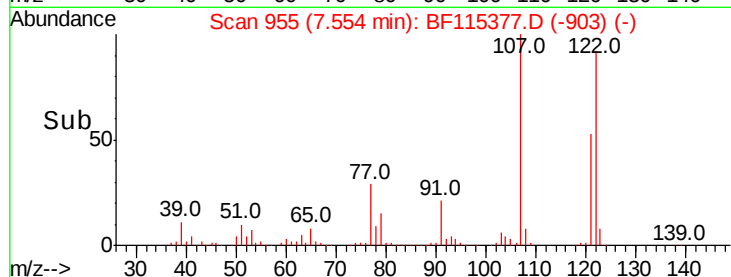
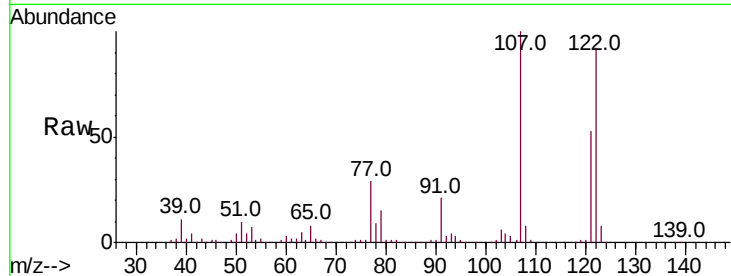
#27
2,4-Dimethylphenol
Concen: 25.652 ng
RT: 7.55 min Scan# 955
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	328355		
107	108.9	85.8	128.6	
121	57.6	46.3	69.5	

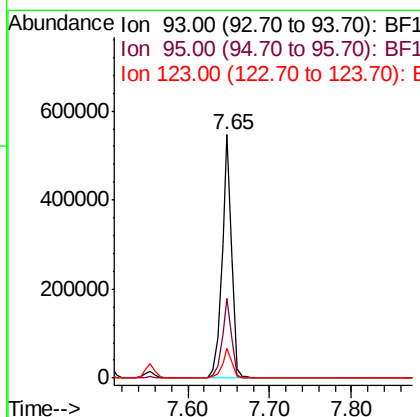
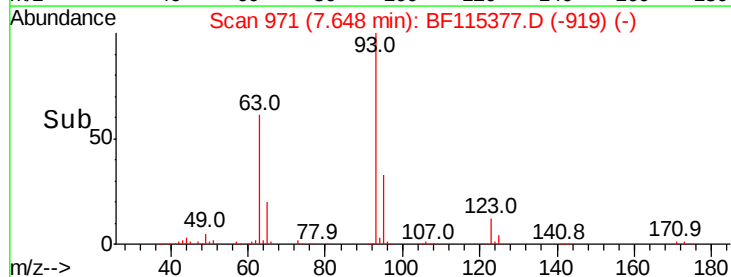
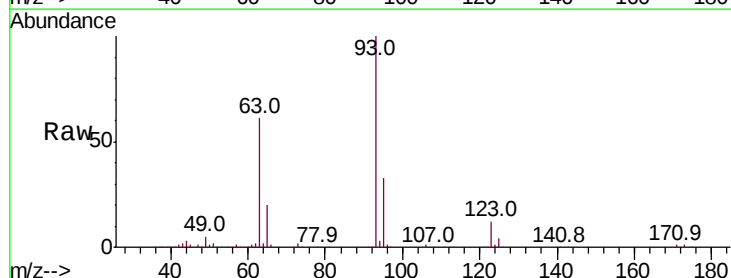
Manual Integrations
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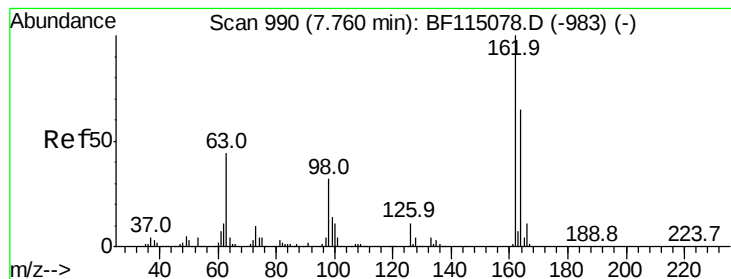
mohammad
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#28
bis(2-Chloroethoxy)methane
Concen: 24.157 ng
RT: 7.65 min Scan# 971
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	449463		
95	32.6	26.2	39.4	
123	12.0	9.7	14.5	





#29

2,4-Dichlorophenol

Concen: 25.597 ng

RT: 7.75 min Scan# 988

Delta R.T. 0.01 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

Instrument :

BNA_F

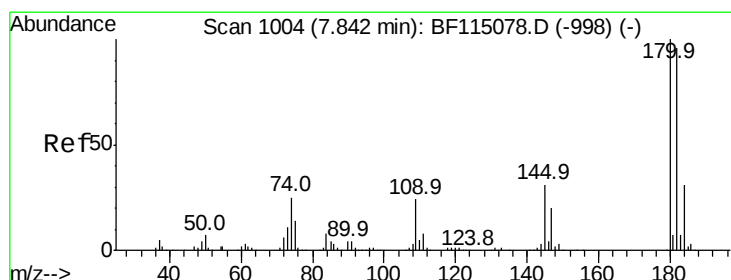
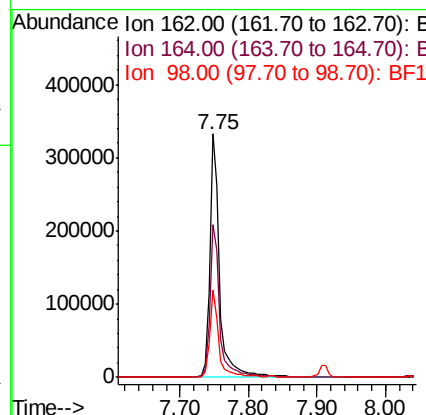
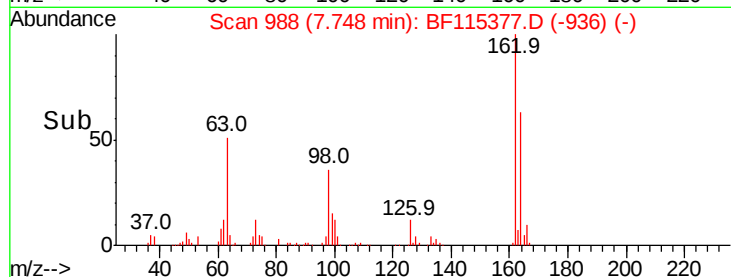
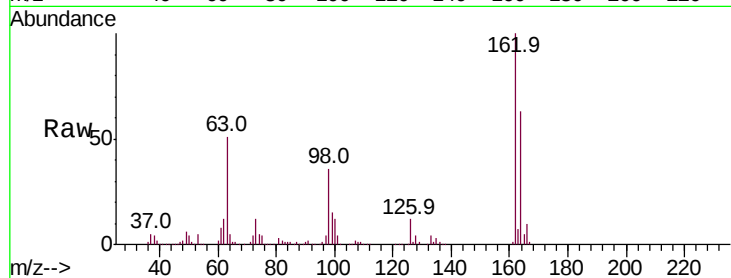
ClientSampleId :

NB-SOIL-PILEMSD

Tot Ion:	162	Resp:	338134
Ion Ratio	Lower	Upper	
162	100		
164	62.5	45.3	85.3
98	36.0	12.5	52.5

Manual Integrations
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#30

1,2,4-Trichlorobenzene

Concen: 24.920 ng

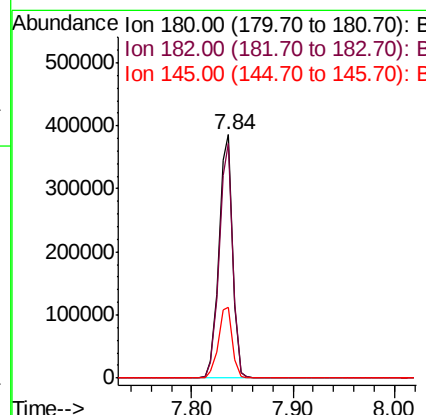
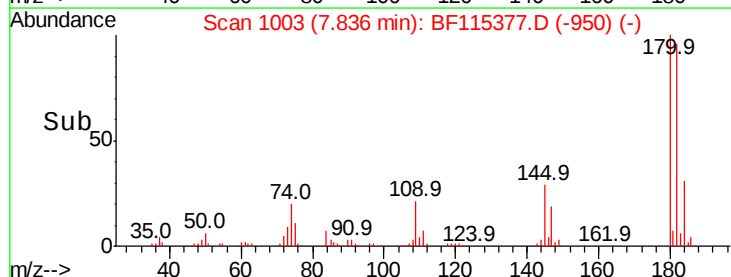
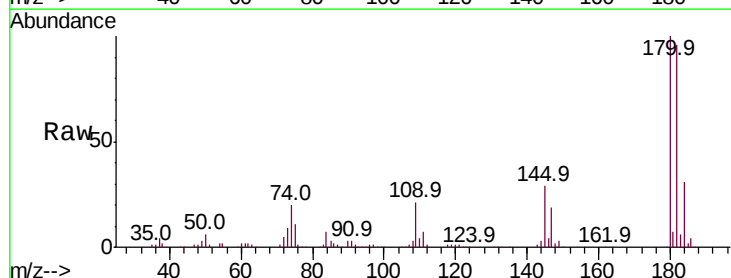
RT: 7.84 min Scan# 1003

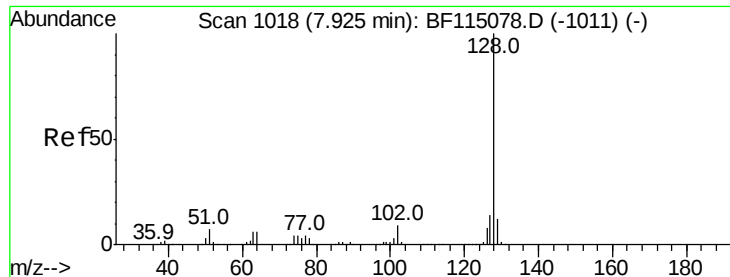
Delta R.T. 0.01 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

Tgt Ion:	180	Resp:	363613
Ion Ratio	Lower	Upper	
180	100		
182	96.3	76.4	114.6
145	29.1	24.8	37.2





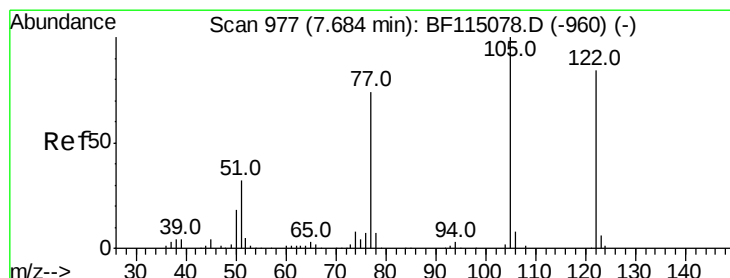
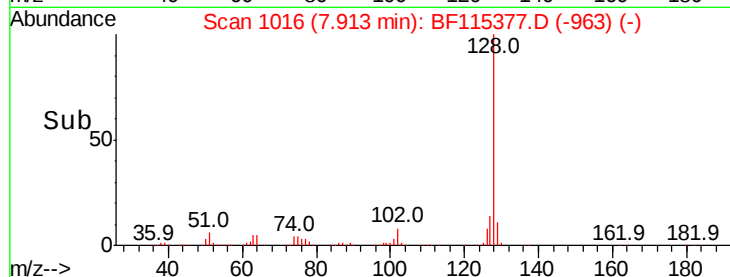
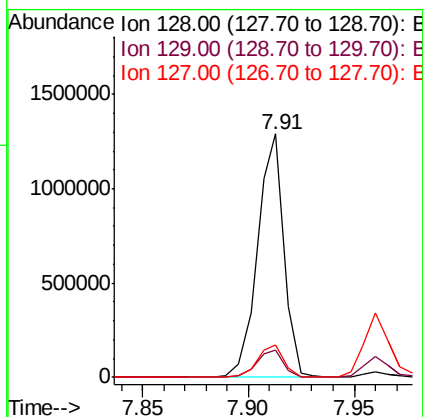
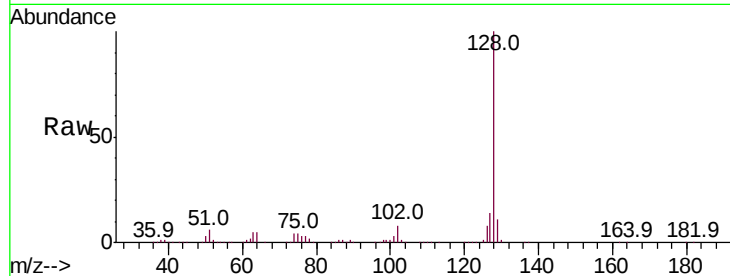
#31
Naphthalene
Concen: 25.774 ng
RT: 7.91 min Scan# 1016
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.6	14.4
127	13.5	11.4	17.0

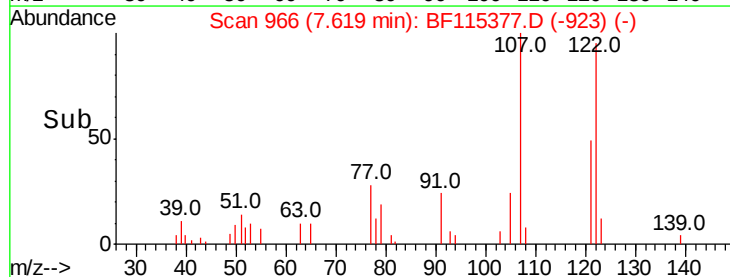
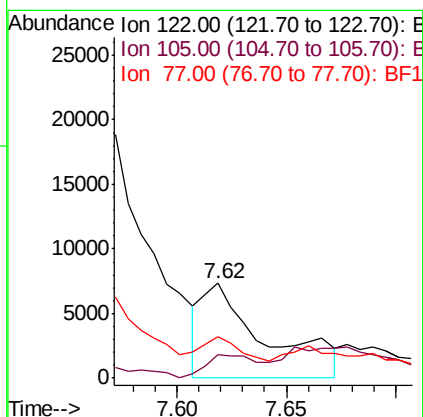
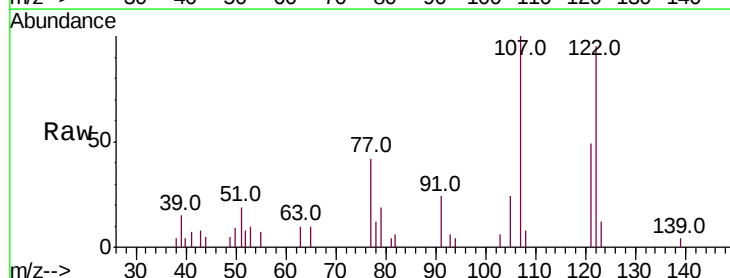
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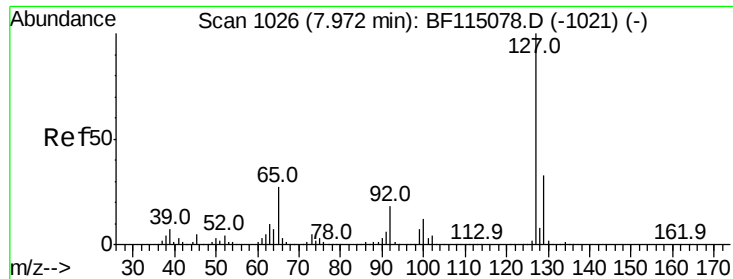
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#32
Benzoic acid
Concen: 1.621 ng m
RT: 7.62 min Scan# 966
Delta R.T. -0.05 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Tgt Ion	Ratio	Lower	Upper
122	100		
105	24.9	98.2	138.2#
77	44.4	67.0	107.0#





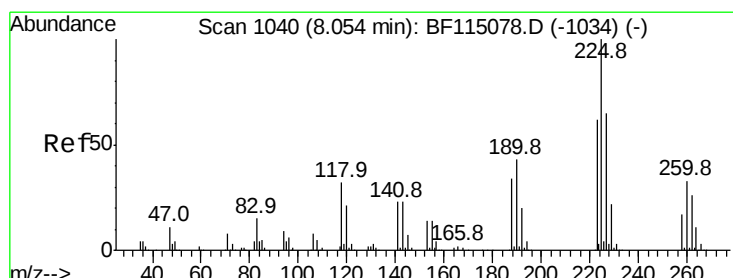
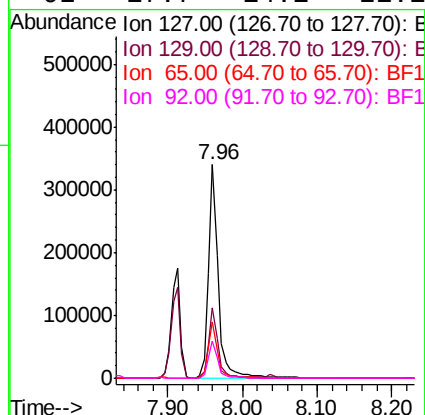
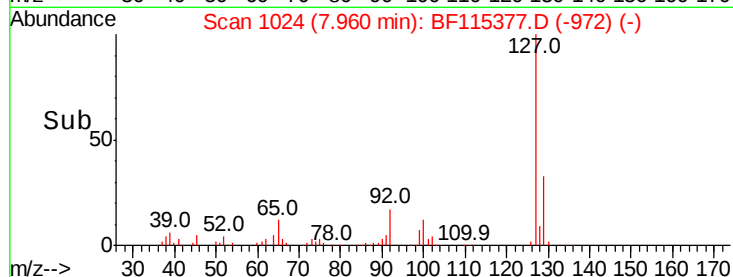
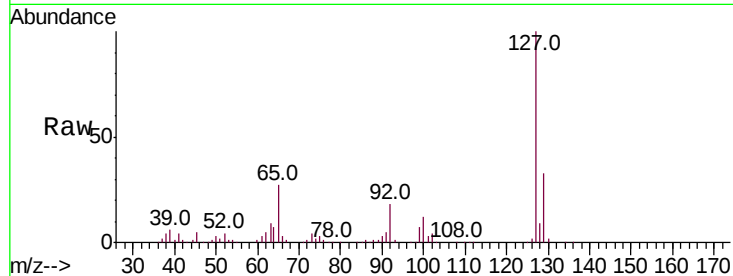
#33
4-Chloroaniline
Concen: 15.808 ng
RT: 7.96 min Scan# 1024
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.9	26.1	39.1		
65	26.6	21.4	32.2		
92	17.7	14.1	21.1		

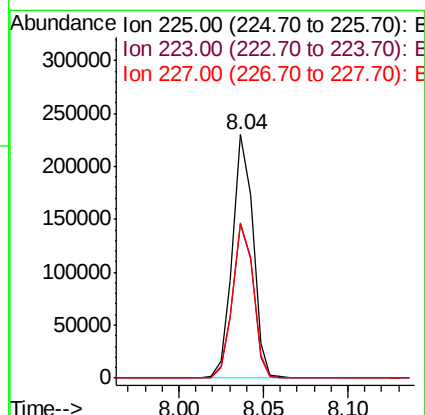
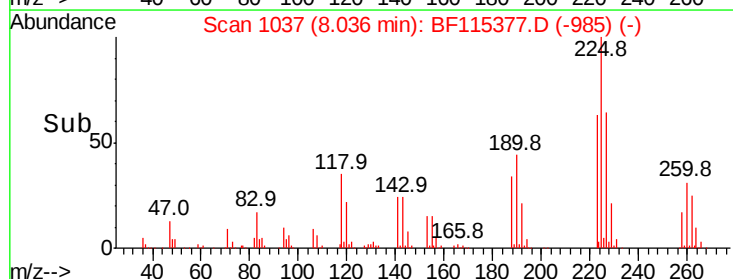
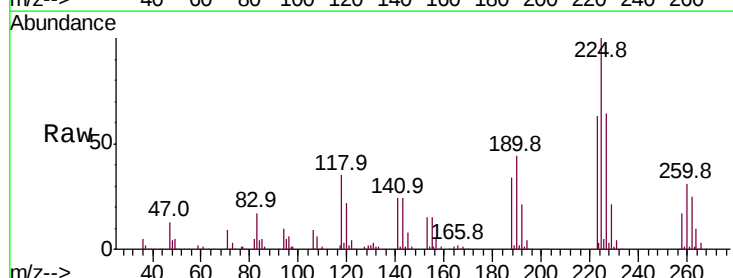
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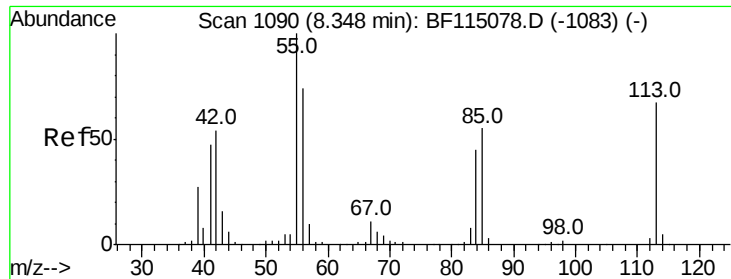
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#34
Hexachlorobutadiene
Concen: 24.397 ng
RT: 8.04 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	63.4	49.4	74.2		
227	64.0	51.8	77.8		





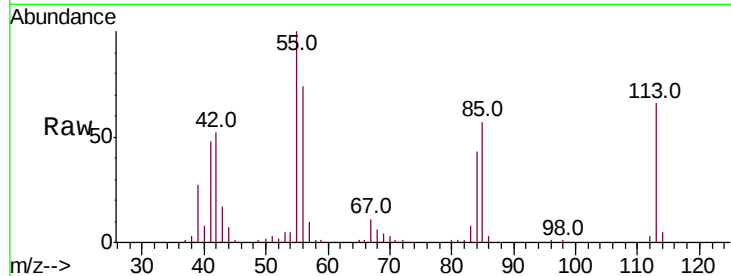
#35
Caprolactam
Concen: 19.741 ng/ml
RT: 8.31 min Scan# 1084
Delta R.T. -0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMSD

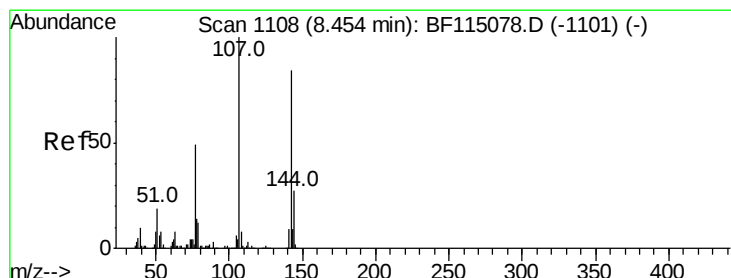
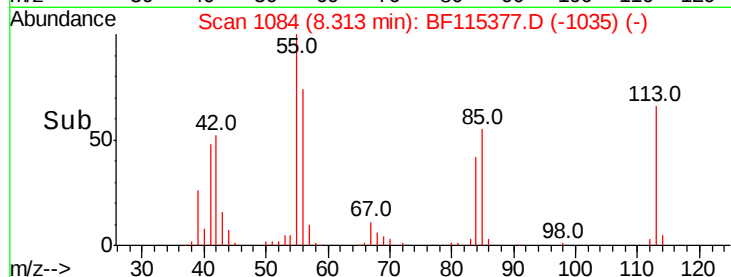
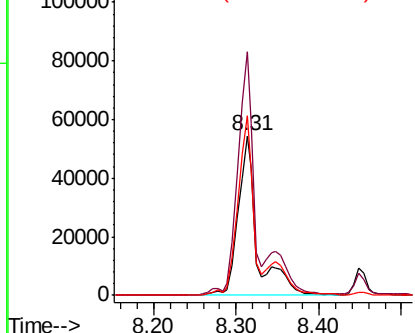
Tot Ion:113 Resp: 87677
Ion Ratio Lower Upper
113 100
55 152.5 130.2 170.2
56 112.5 91.6 131.6

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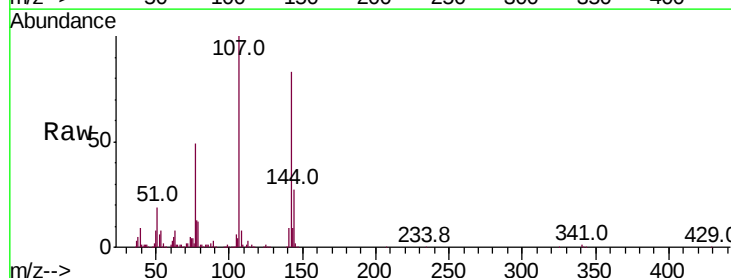


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

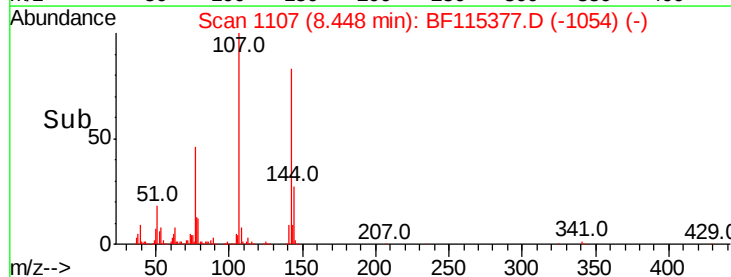
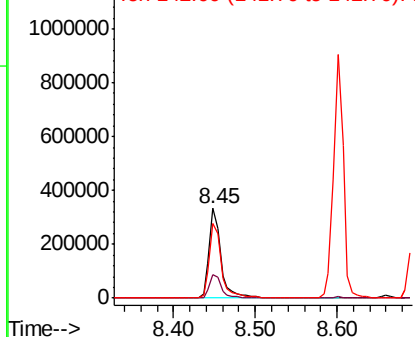


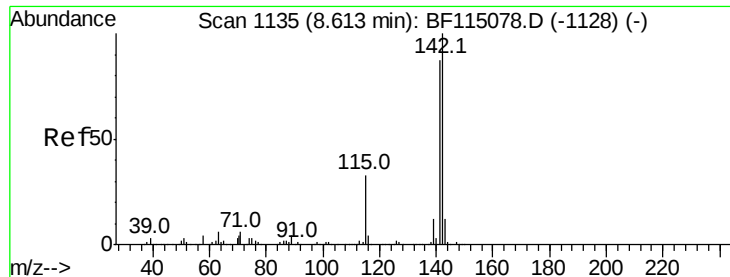
#36
4-Chloro-3-methylphenol
Concen: 25.317 ng
RT: 8.45 min Scan# 1107
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Tgt Ion:107 Resp: 338696
Ion Ratio Lower Upper
107 100
144 26.7 21.7 32.5
142 82.9 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





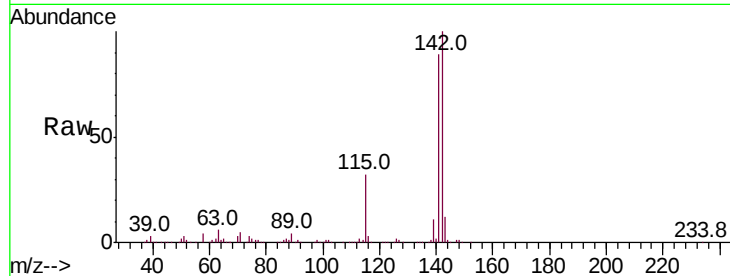
#37
2-Methylnaphthalene
Concen: 25.864 ng
RT: 8.60 min Scan# 1133
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.6	69.8	104.6
115	32.3	26.7	40.1

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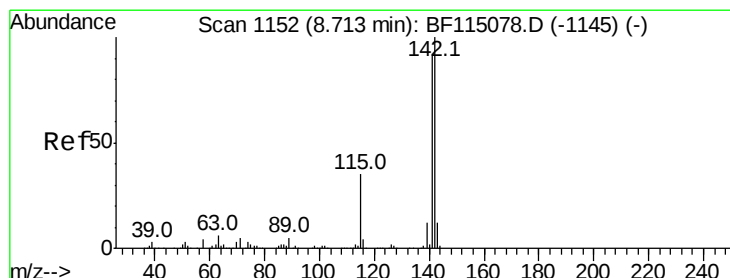
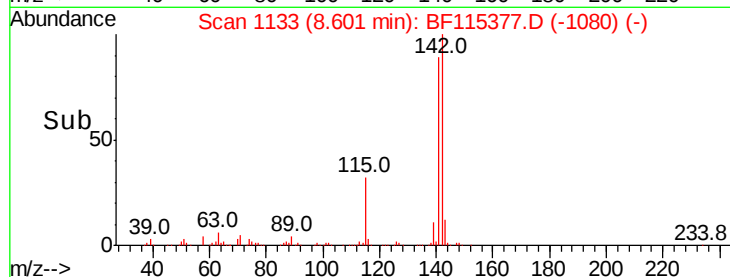
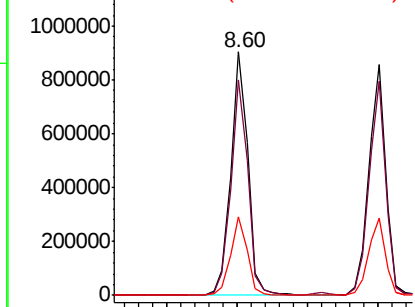


Abundance

Ion 142.00 (141.70 to 142.70): E

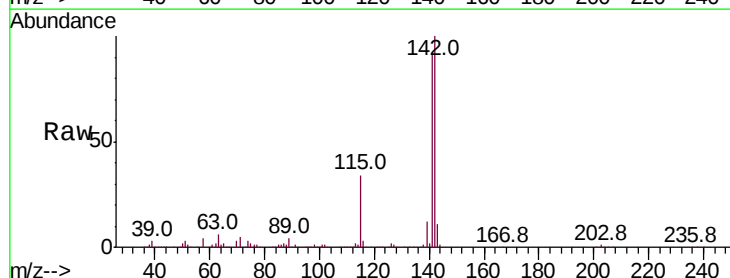
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 25.439 ng
RT: 8.70 min Scan# 1150
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.4	73.8	110.8
116	3.4	2.8	4.2

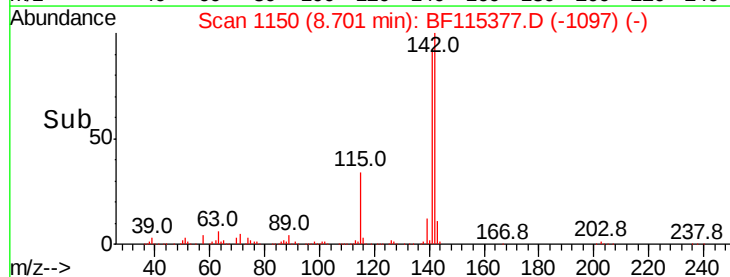
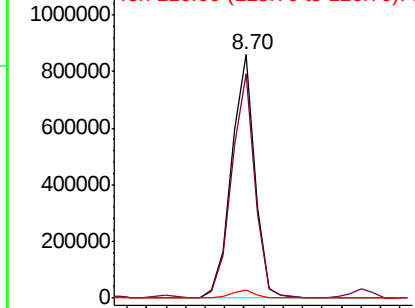


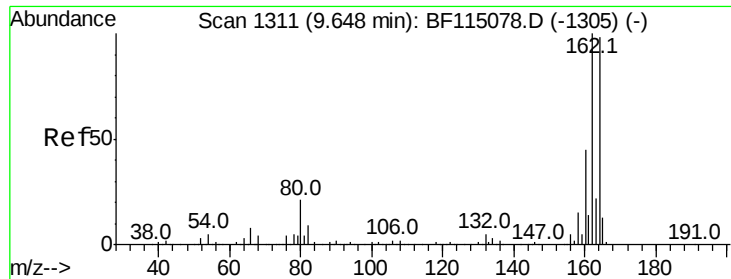
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





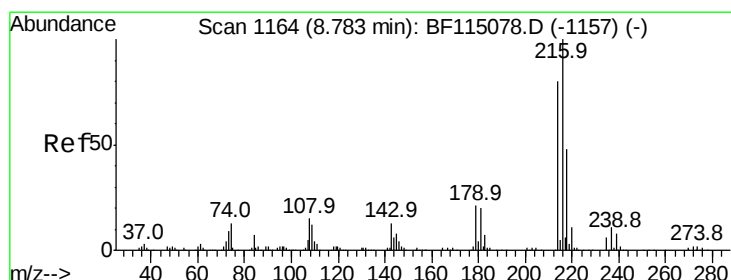
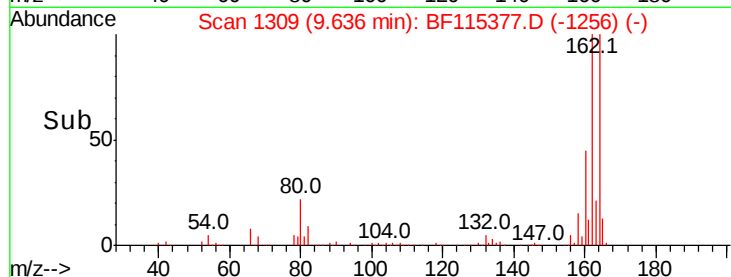
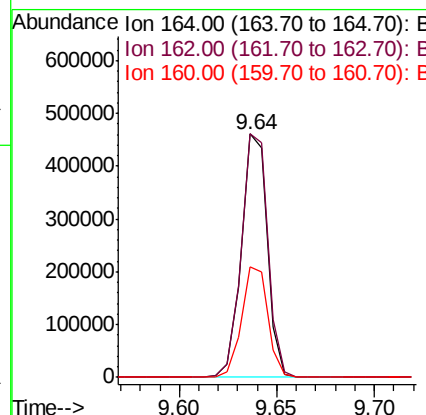
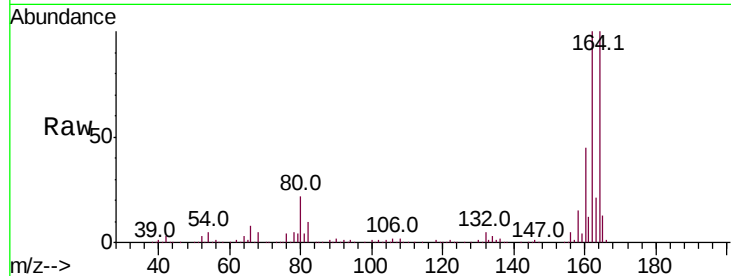
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.64 min Scan# 1309
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.2	81.7	122.5
160	45.3	37.0	55.4

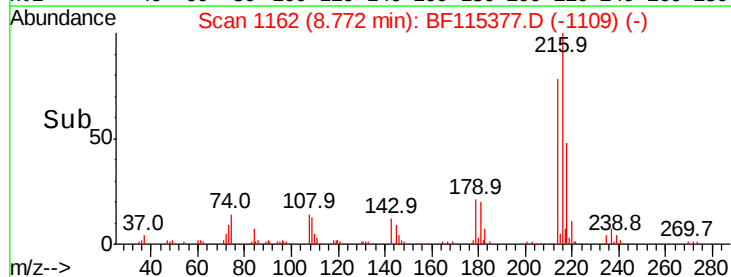
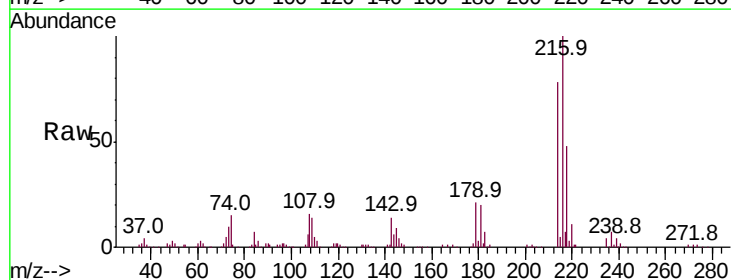
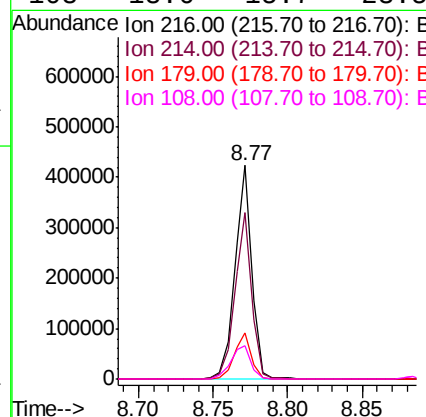
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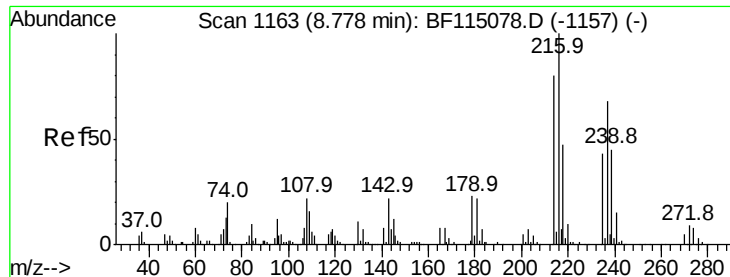
mohammad
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 28.403 ng
RT: 8.77 min Scan# 1162
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Tgt Ion	Ratio	Lower	Upper
216	100		
214	77.9	63.8	95.6
179	21.5	17.6	26.4
108	18.6	15.7	23.5





#41

Hexachlorocyclopentadiene

Concen: 29.565 ng

RT: 8.76 min Scan# 1160

Delta R.T. 0.01 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

Instrument :

BNA_F

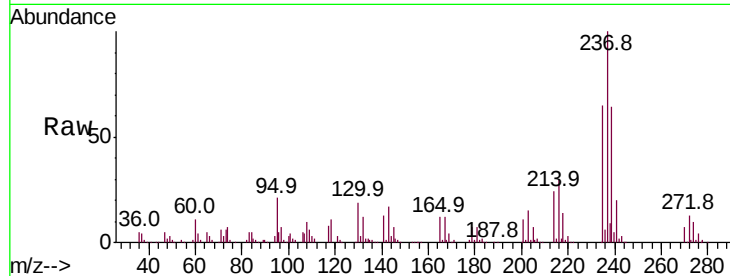
ClientSampleId :

NB-SOIL-PILEMSD

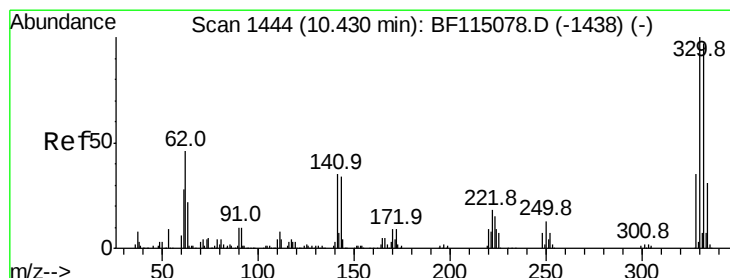
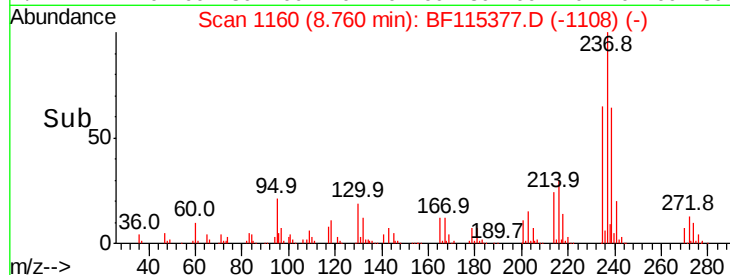
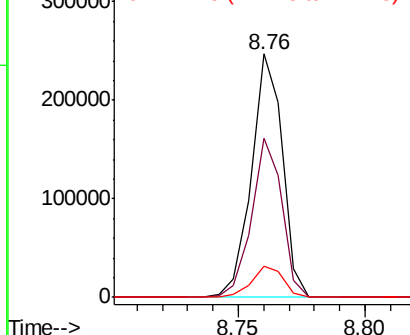
Tot Ion:	237	Resp:	209231
Ion Ratio	Lower	Upper	
237	100		
235	65.2	43.9	83.9
272	12.9	0.0	33.8

Manual Integrations
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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: 75.958 ng

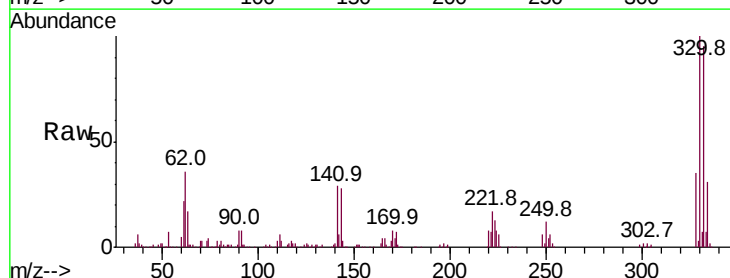
RT: 10.42 min Scan# 1443

Delta R.T. 0.02 min

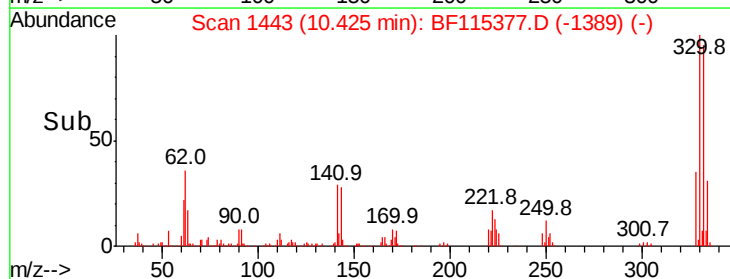
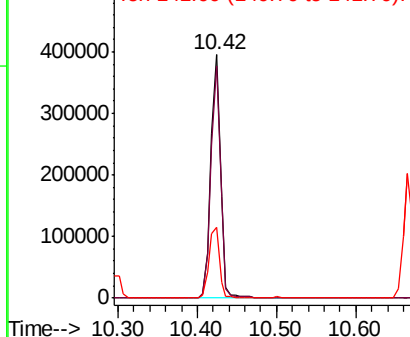
Lab File: BF115377.D

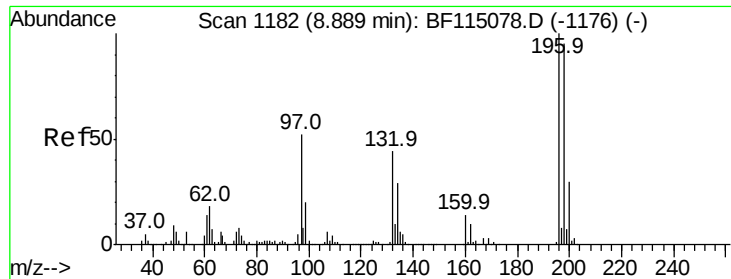
Acq: 2 Jul 2019 23:07

Tgt Ion:	330	Resp:	338310
Ion Ratio	Lower	Upper	
330	100		
332	94.9	77.3	115.9
141	31.8	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





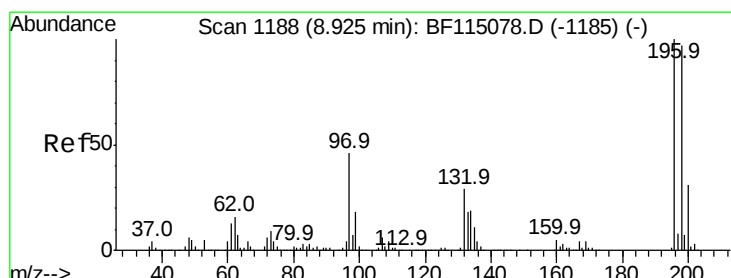
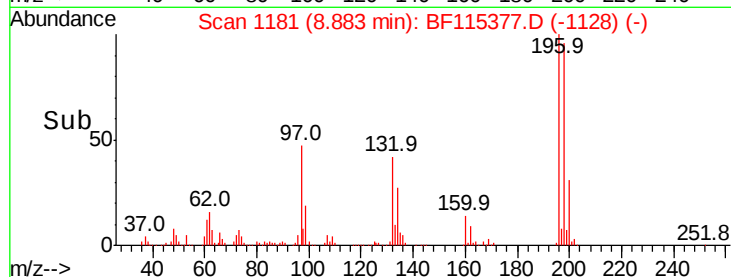
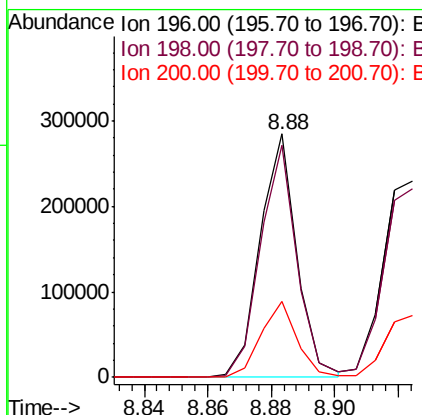
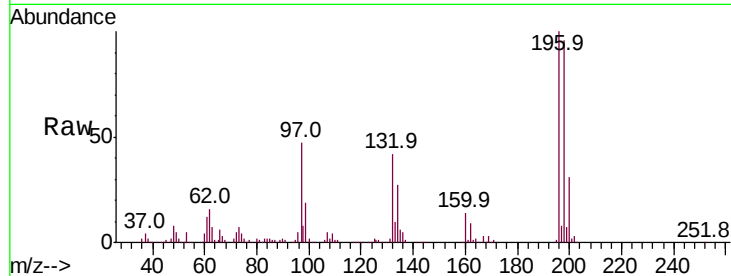
#43
 2,4,6-Trichlorophenol
 Concen: 24.821 ng
 RT: 8.88 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: BF115377.D
 Acq: 2 Jul 2019 23:07

Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILEMSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	228703		
198	95.5	76.3	114.5	
200	31.0	24.2	36.4	

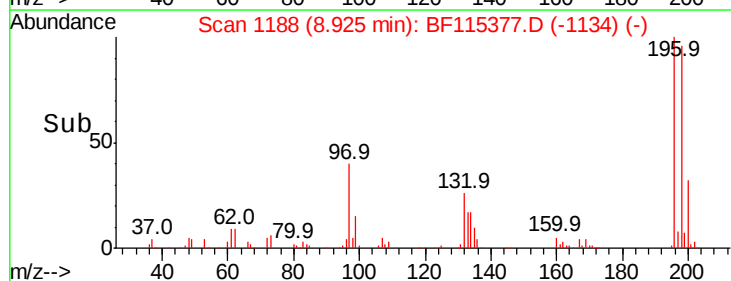
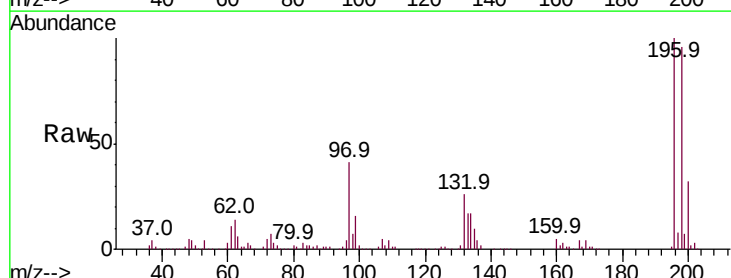
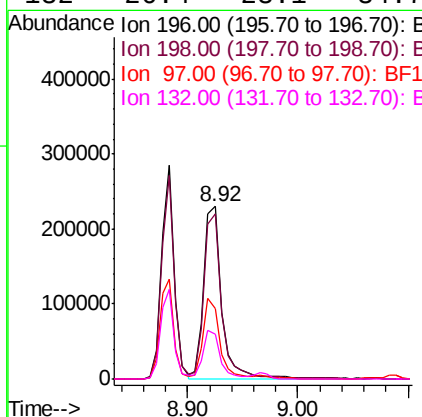
Manual Integrations
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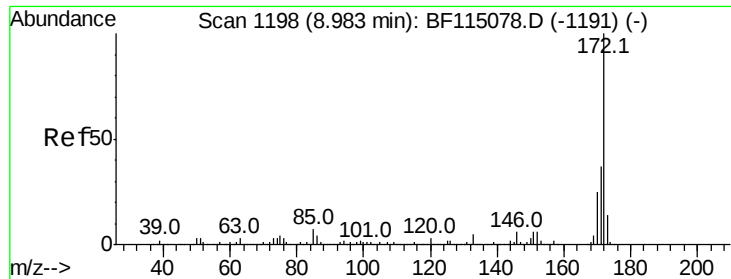
mohammad
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#44
 2,4,5-Trichlorophenol
 Concen: 26.547 ng
 RT: 8.92 min Scan# 1188
 Delta R.T. 0.02 min
 Lab File: BF115377.D
 Acq: 2 Jul 2019 23:07

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	251900		
198	96.0	77.1	115.7	
97	40.6	37.7	56.5	
132	26.4	23.1	34.7	





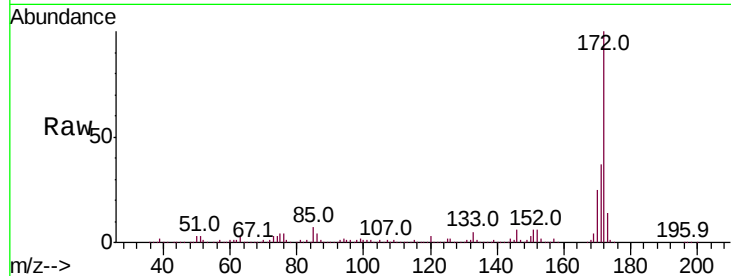
#45
2-Fluorobiphenyl
Concen: 59.141 ng
RT: 8.97 min Scan# 1195
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.8	44.6
170	24.9	20.3	30.5

Manual Integrations
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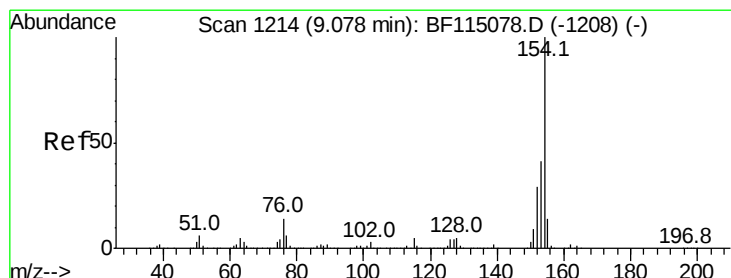
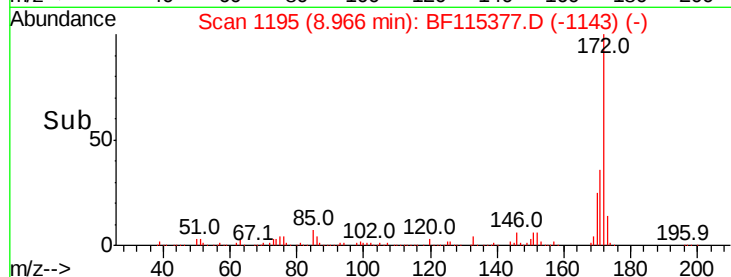
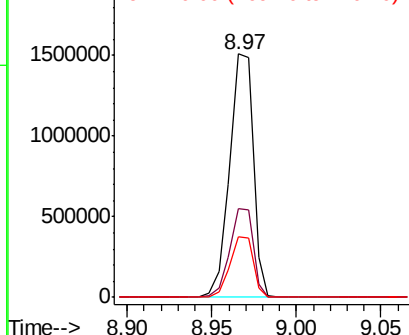


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 26.660 ng
RT: 9.07 min Scan# 1212
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

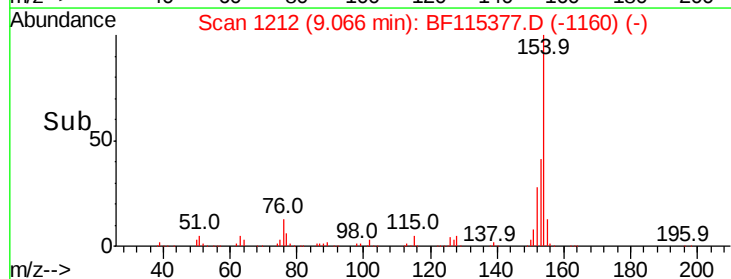
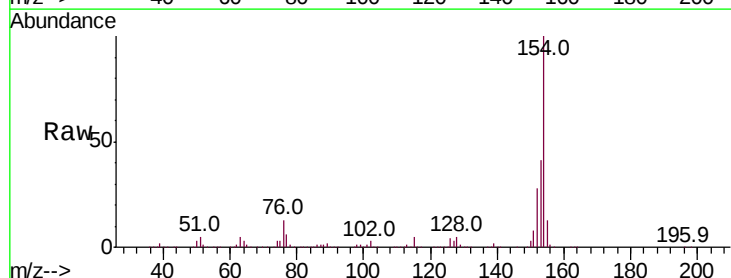
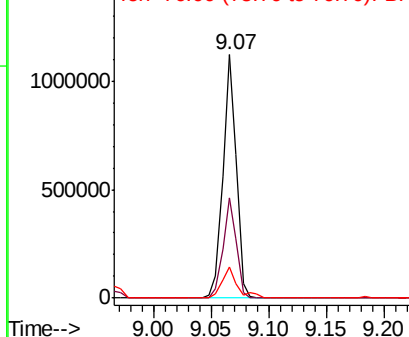
Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.1	20.9	60.9
76	13.0	0.0	34.1

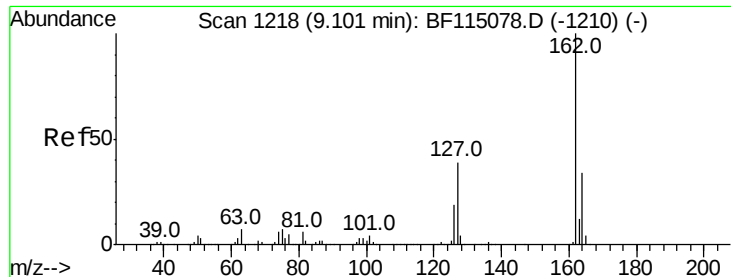
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





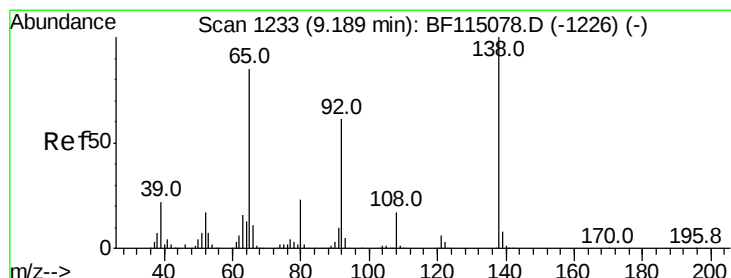
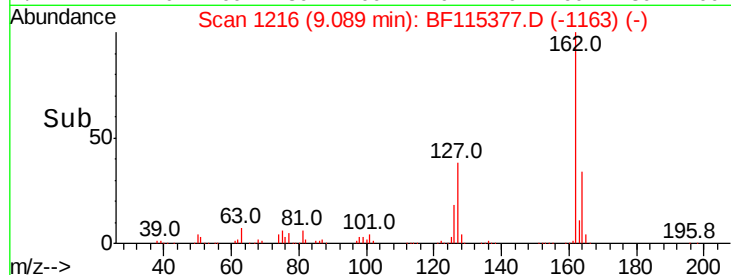
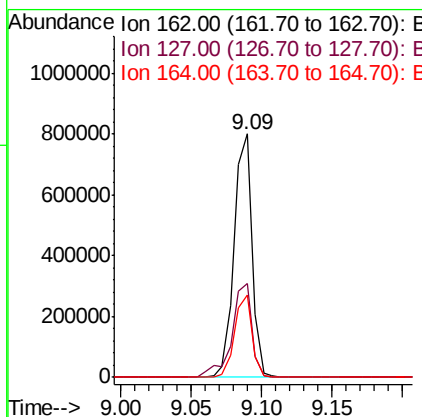
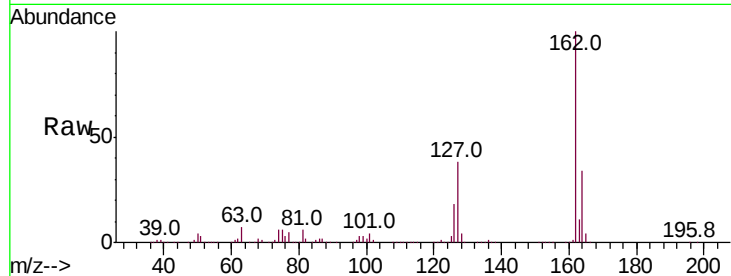
#47
 2-Chloronaphthalene
 Concen: 25.946 ng
 RT: 9.09 min Scan# 1216
 Delta R.T. 0.01 min
 Lab File: BF115377.D
 Acq: 2 Jul 2019 23:07

Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILEMSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	38.4	30.8	46.2
164	33.7	27.0	40.4

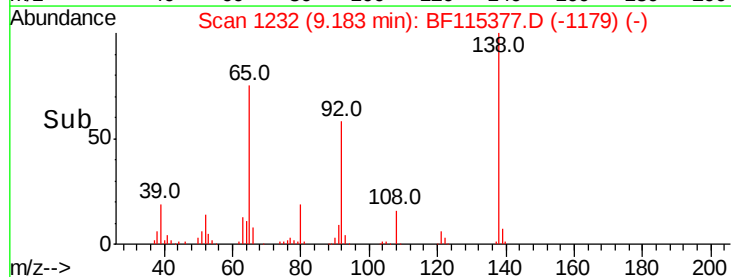
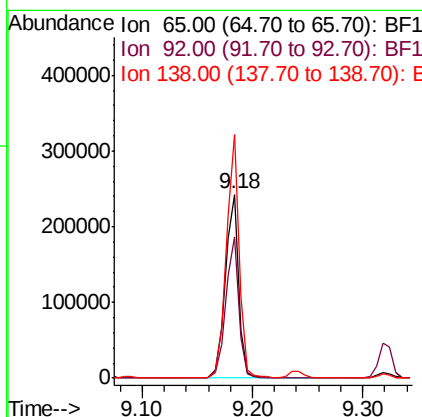
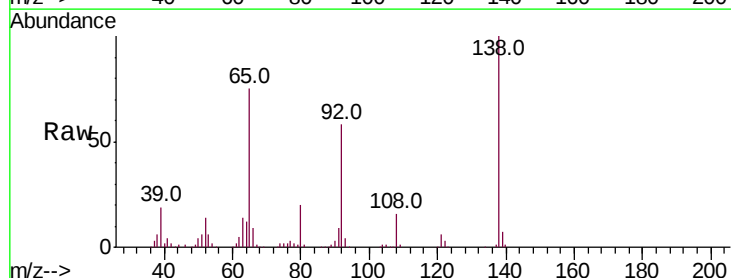
Manual Integrations
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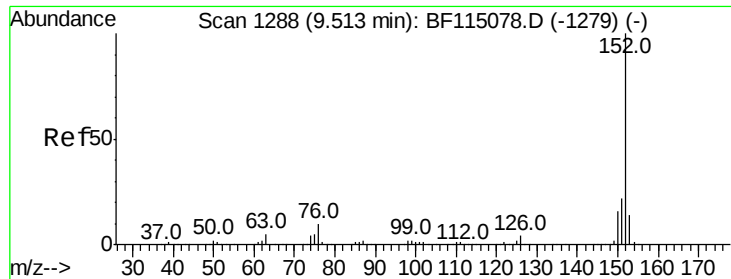
mohammad
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#48
 2-Nitroaniline
 Concen: 25.933 ng
 RT: 9.18 min Scan# 1232
 Delta R.T. 0.01 min
 Lab File: BF115377.D
 Acq: 2 Jul 2019 23:07

Tgt Ion	Ratio	Lower	Upper
65	100		
92	76.8	57.4	86.2
138	132.6	94.1	141.1





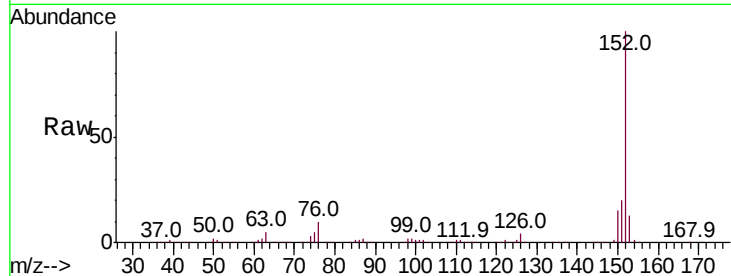
#49
Acenaphthylene
Concen: 26.382 ng
RT: 9.50 min Scan# 1286
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMSD

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.5	17.2	25.8
153	13.3	11.0	16.6

Manual Integrations
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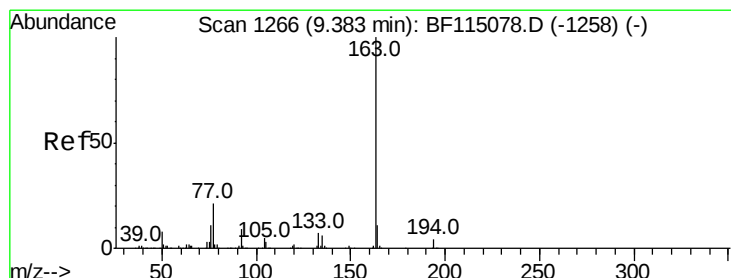
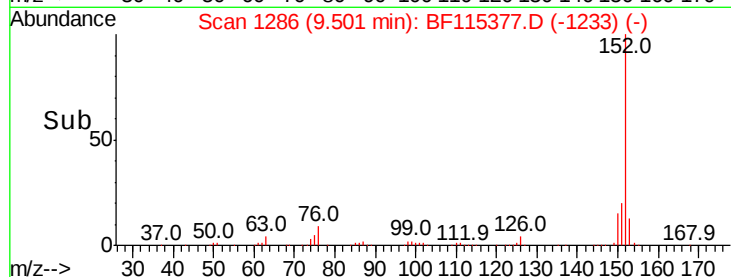
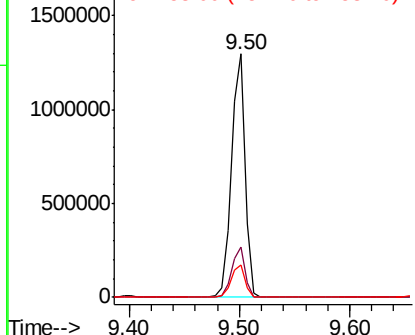


Abundance

Ion 152.00 (151.70 to 152.70): E

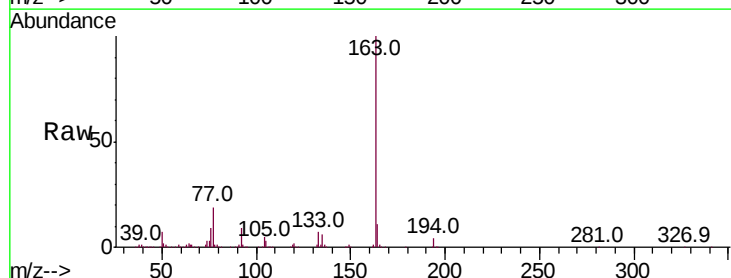
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50
Dimethylphthalate
Concen: 33.394 ng
RT: 9.37 min Scan# 1264
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	10.5	8.6	13.0

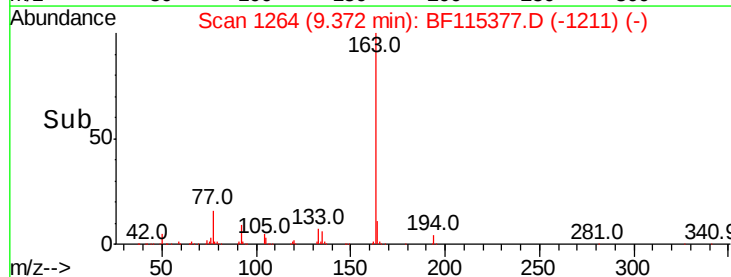
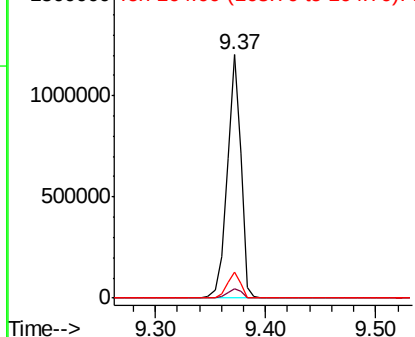


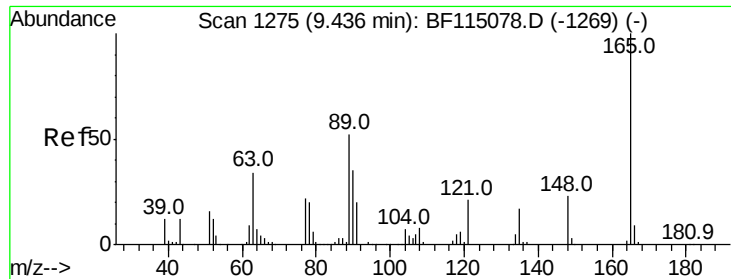
Abundance

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





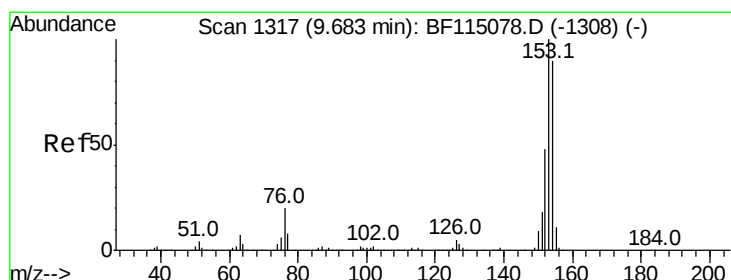
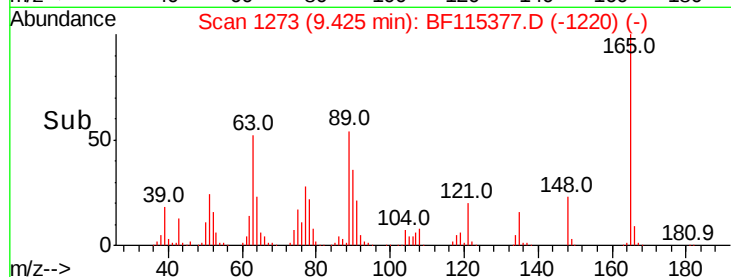
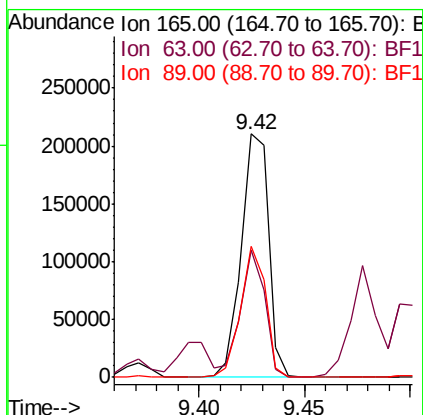
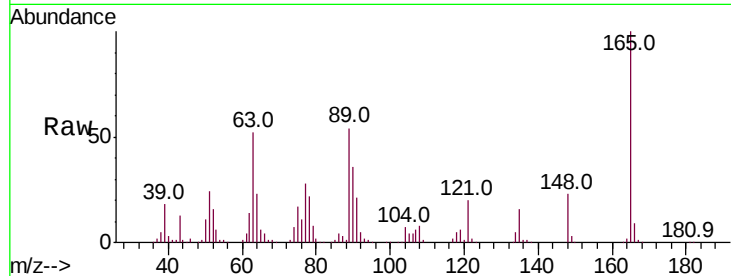
#51
2,6-Dinitrotoluene
Concen: 26.353 ng
RT: 9.42 min Scan# 1273
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	189052		
63	52.3		39.4	59.2
89	53.6		42.0	63.0

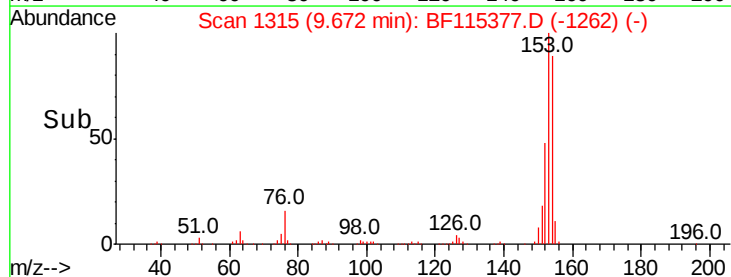
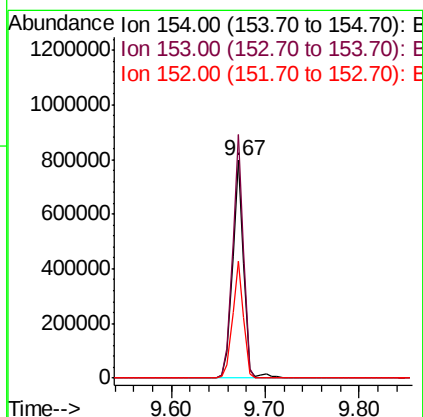
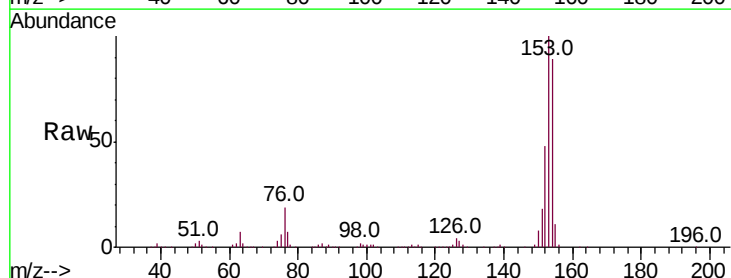
Manual Integrations
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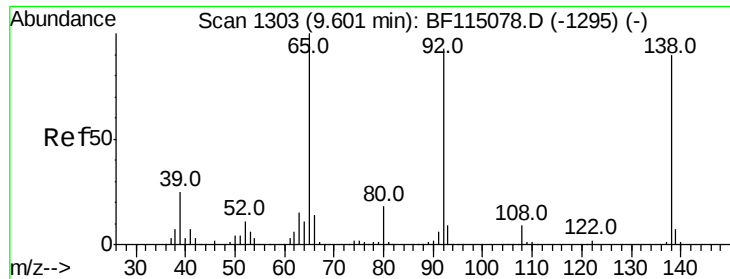
mohammad
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#52
Acenaphthene
Concen: 24.463 ng
RT: 9.67 min Scan# 1315
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	653785		
153	111.9		88.7	133.1
152	53.8		42.6	64.0





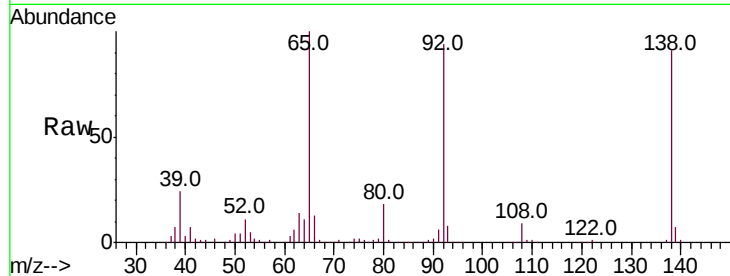
#53
3-Nitroaniline
Concen: 22.371 ng
RT: 9.59 min Scan# 1301
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	9.4	7.8	11.6
92	103.6	82.9	124.3

Manual Integrations
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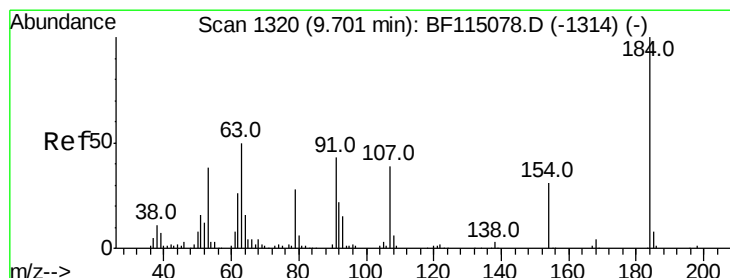
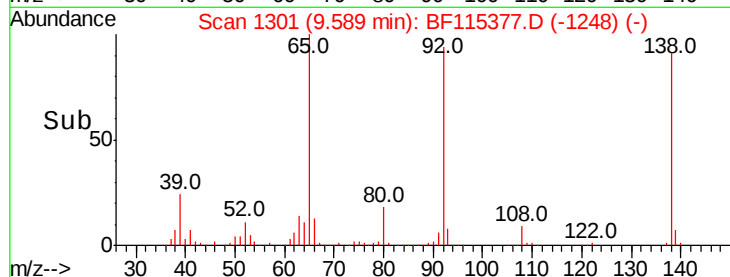
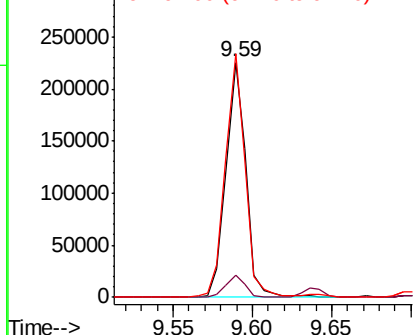


Abundance

Ion 138.00 (137.70 to 138.70): E

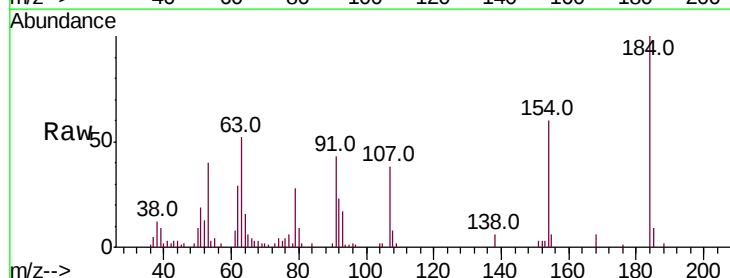
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54
2,4-Dinitrophenol
Concen: 14.136 ng
RT: 9.70 min Scan# 1320
Delta R.T. 0.02 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Tgt Ion	Ratio	Lower	Upper
184	100		
63	52.0	41.9	62.9
154	60.3	44.7	67.1

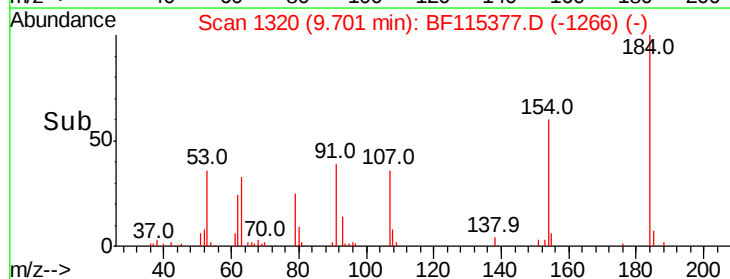
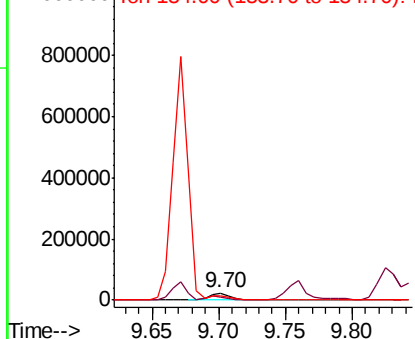


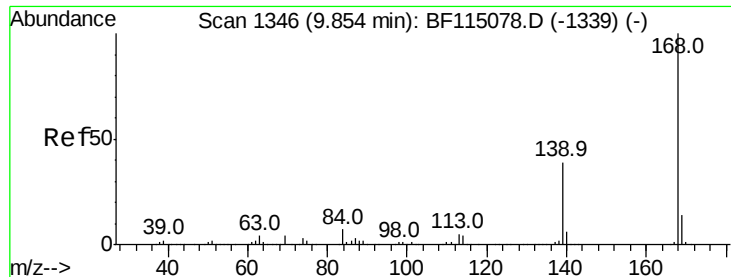
Abundance

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





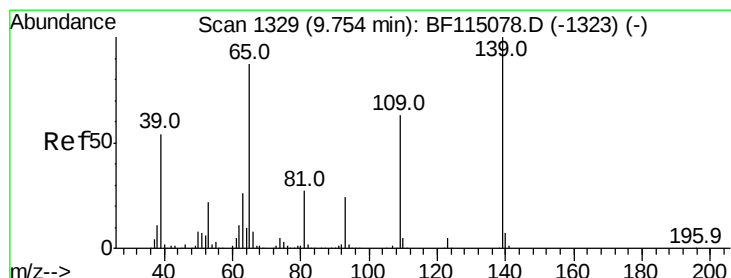
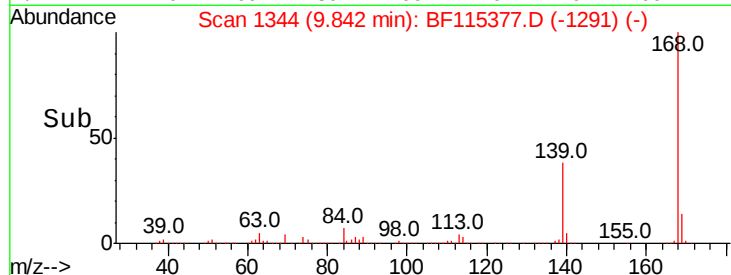
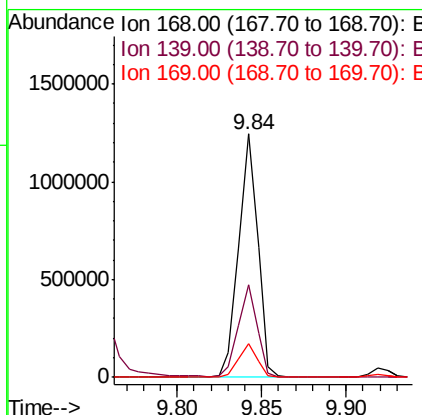
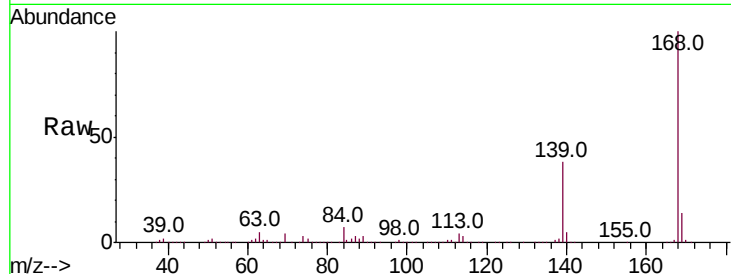
#55
Dibenzofuran
Concen: 25.511 ng
RT: 9.84 min Scan# 1344
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.8	31.1	46.7
169	13.8	11.3	16.9

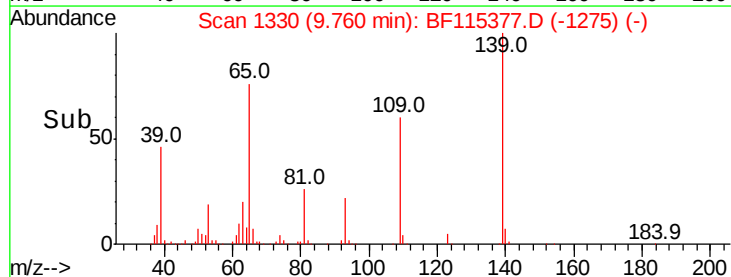
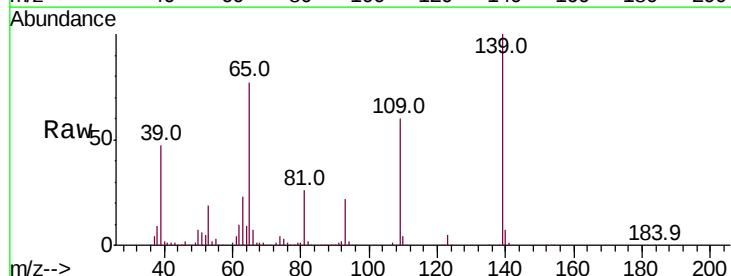
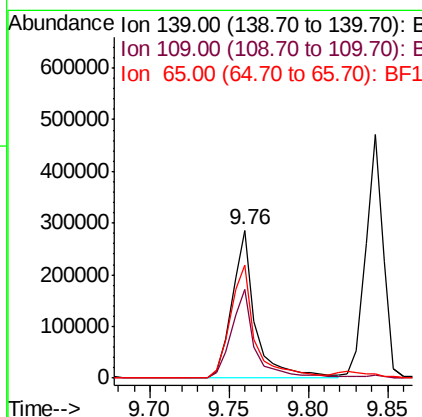
Manual Integrations
APPROVED

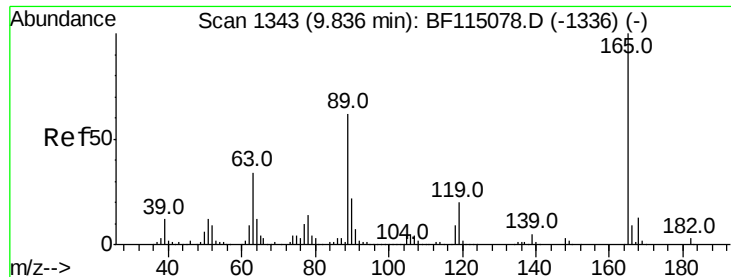
mohammad
7/3/2019 10:52:00 PM



#56
4-Nitrophenol
Concen: 41.346 ng
RT: 9.76 min Scan# 1330
Delta R.T. 0.02 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Tgt Ion	Ratio	Lower	Upper
139	100		
109	59.6	43.0	83.0
65	76.7	67.0	107.0





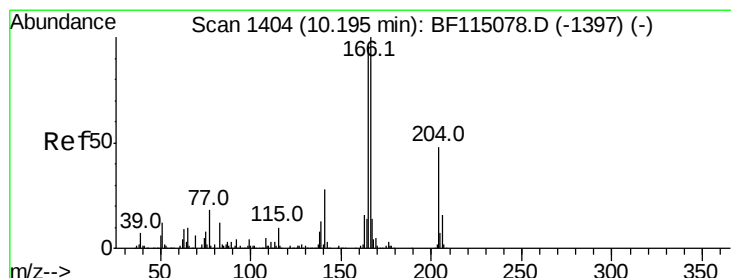
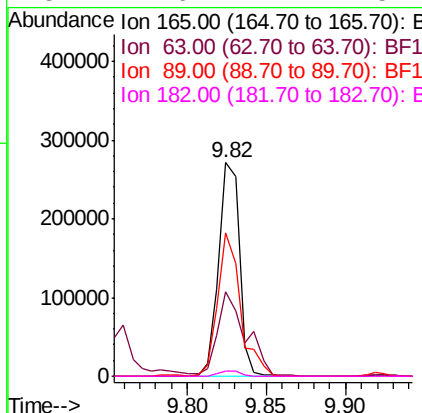
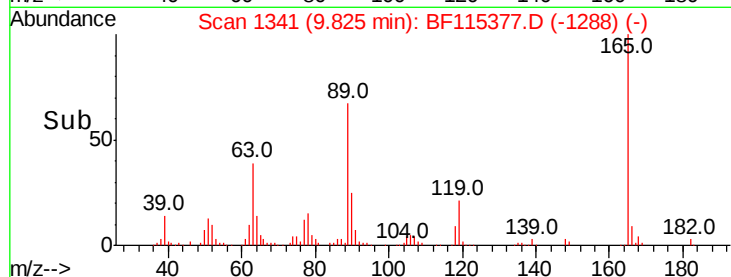
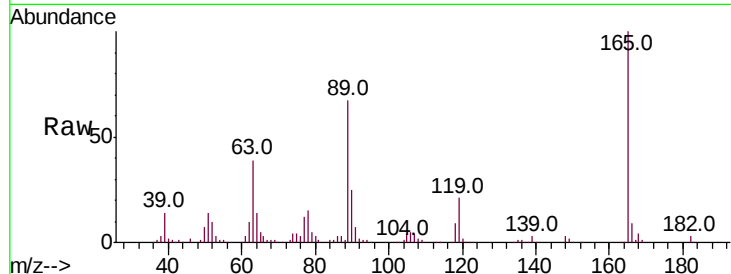
#57
 2,4-Dinitrotoluene
 Concen: 26.751 ng
 RT: 9.82 min Scan# 1341
 Delta R.T. 0.01 min
 Lab File: BF115377.D
 Acq: 2 Jul 2019 23:07

Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILEMSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	247794		
63	39.4	27.5	41.3	
89	67.1	49.9	74.9	
182	2.6	2.1	3.1	

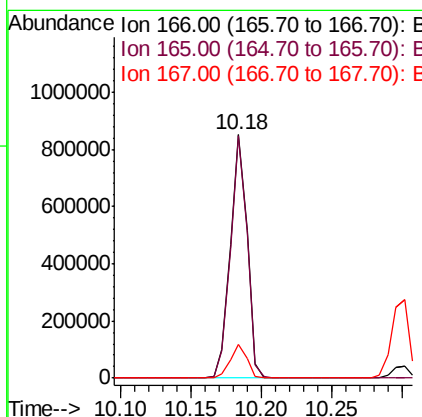
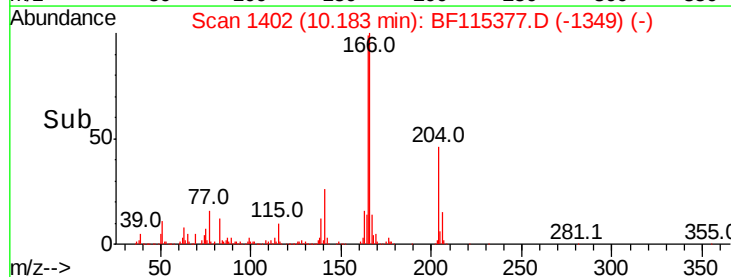
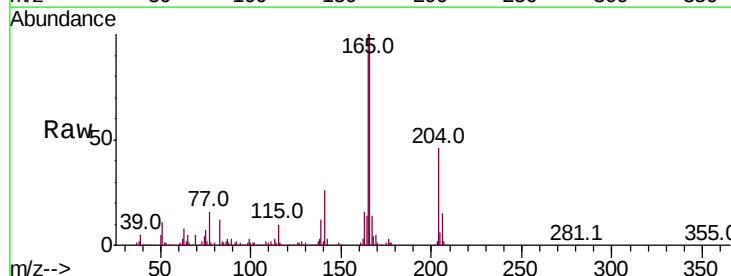
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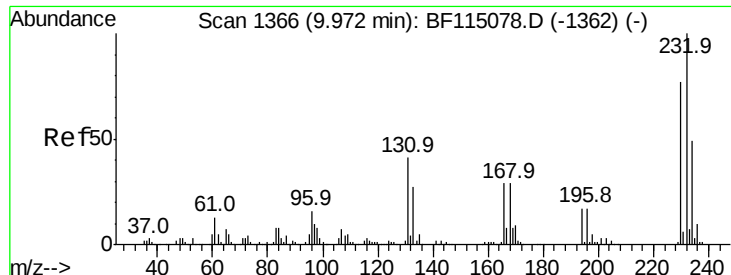
mohammad
 7/3/2019 10:52:00 PM



#58
 Fluorene
 Concen: 24.639 ng
 RT: 10.18 min Scan# 1402
 Delta R.T. 0.01 min
 Lab File: BF115377.D
 Acq: 2 Jul 2019 23:07

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	705362		
165	99.5	76.5	114.7	
167	13.7	11.0	16.4	





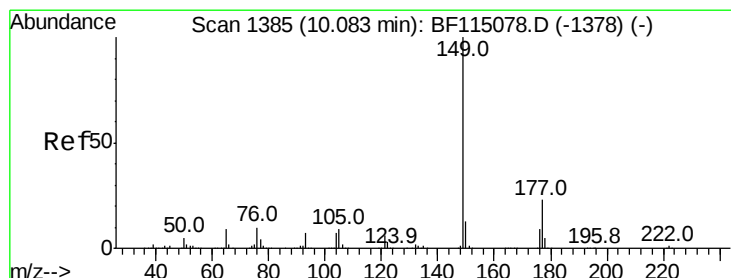
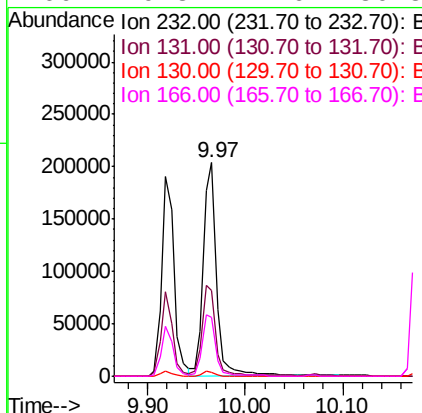
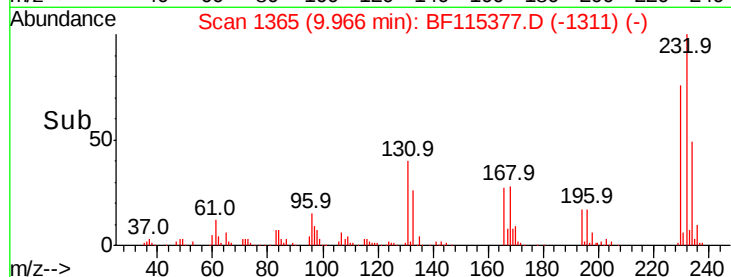
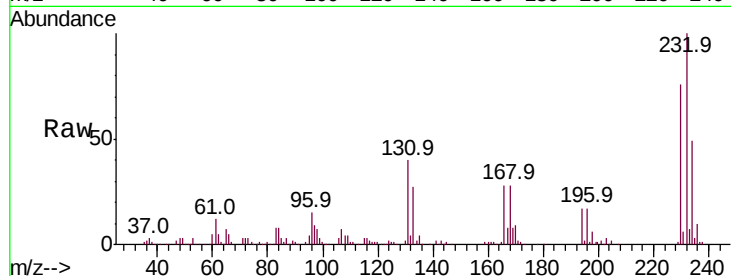
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 24.348 ng
 RT: 9.97 min Scan# 1365
 Delta R.T. 0.02 min
 Lab File: BF115377.D
 Acq: 2 Jul 2019 23:07

Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILEMSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	193726		
131	44.5		37.4	56.0
130	2.0		1.8	2.6
166	29.3		24.6	36.8

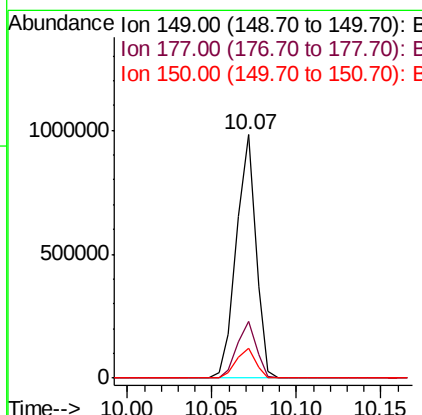
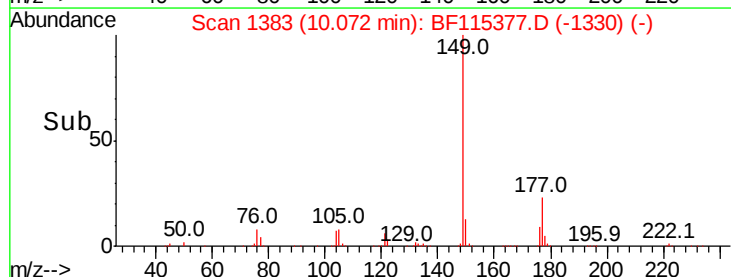
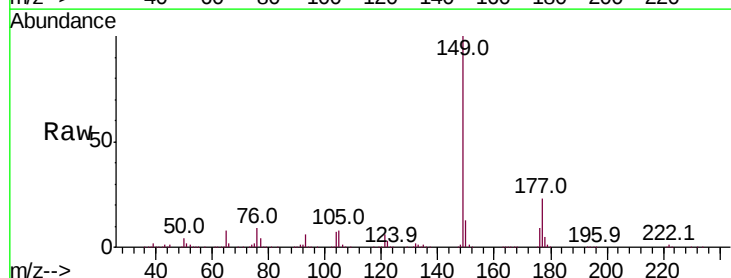
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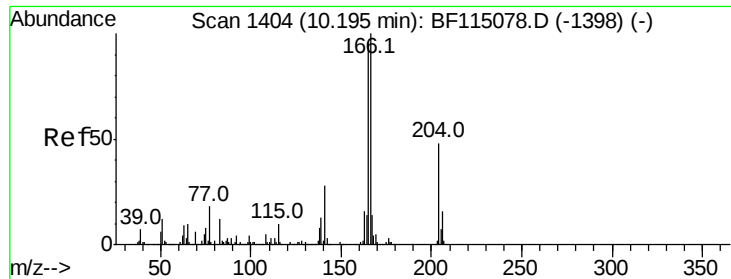
mohammad
 7/3/2019 10:52:00 PM



#60
 Diethylphthalate
 Concen: 25.276 ng
 RT: 10.07 min Scan# 1383
 Delta R.T. 0.01 min
 Lab File: BF115377.D
 Acq: 2 Jul 2019 23:07

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	789518		
177	23.1		18.7	28.1
150	12.5		10.4	15.6





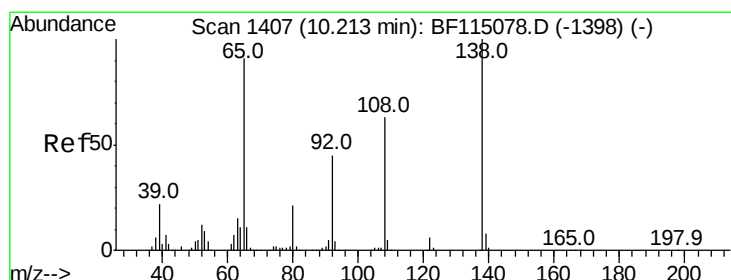
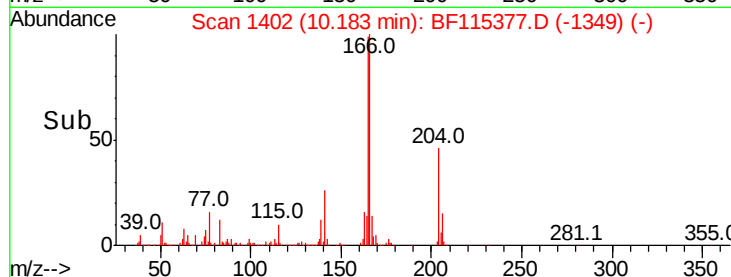
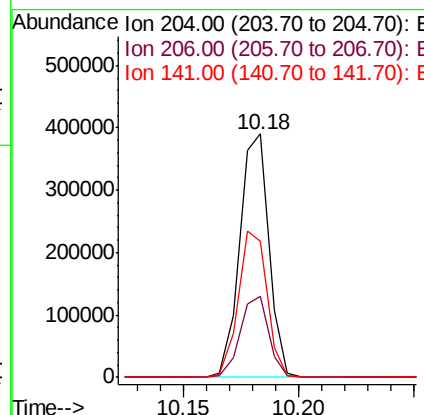
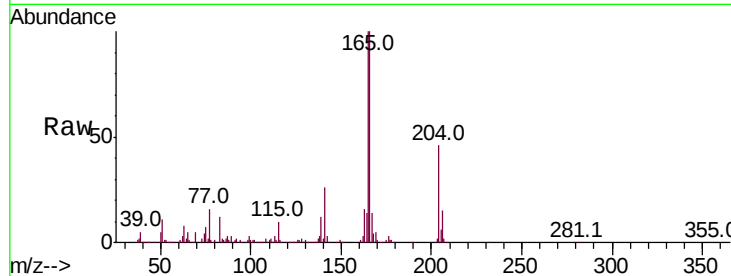
#61
4-Chlorophenyl-phenylether
Concen: 25.467 ng
RT: 10.18 min Scan# 1402
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.6	40.0
141	55.8	46.7	70.1

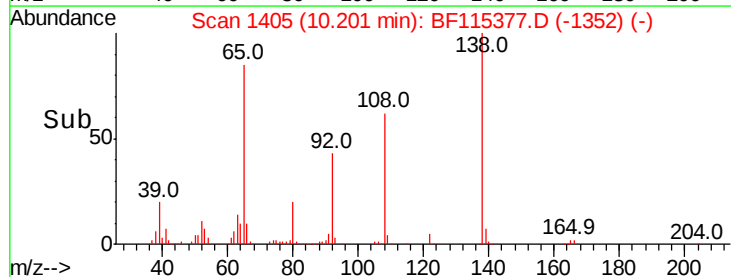
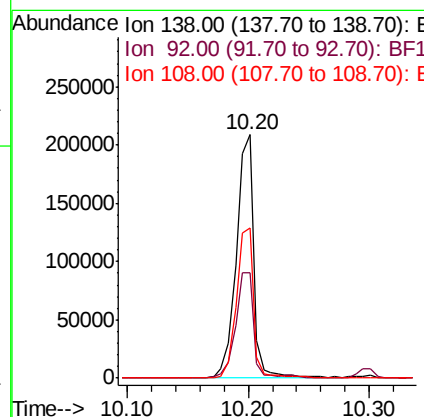
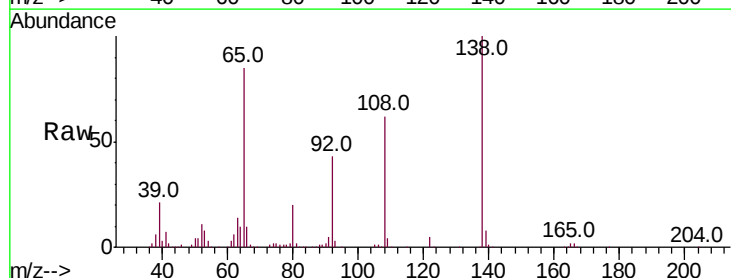
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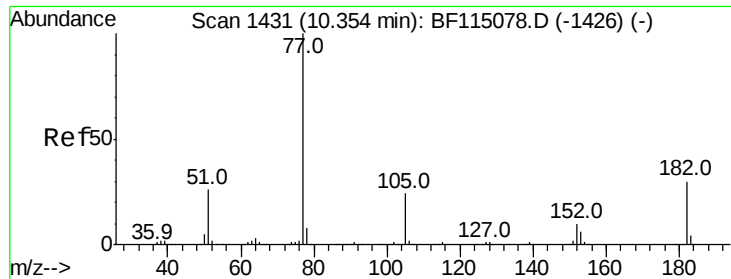
mohammad
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#62
4-Nitroaniline
Concen: 24.106 ng
RT: 10.20 min Scan# 1405
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Tgt Ion	Ratio	Lower	Upper
138	100		
92	43.0	24.8	64.8
108	61.9	43.3	83.3





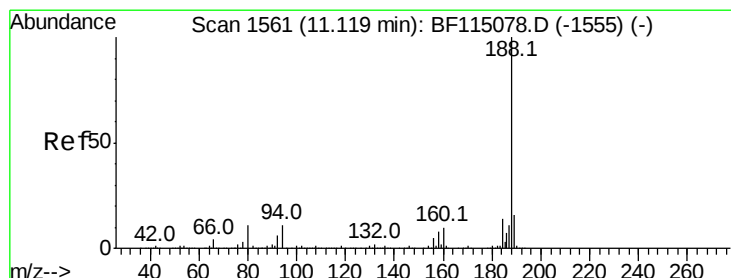
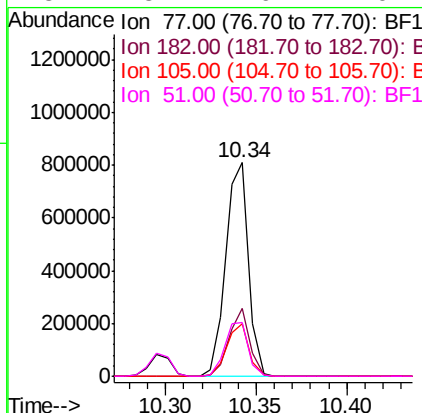
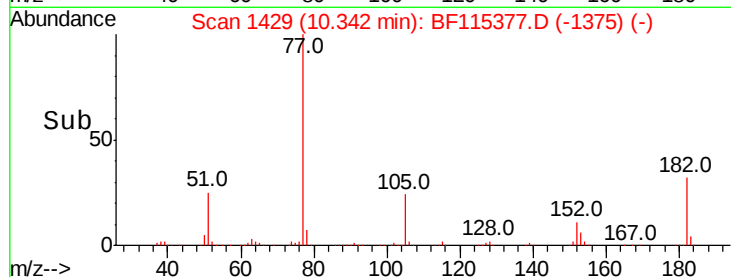
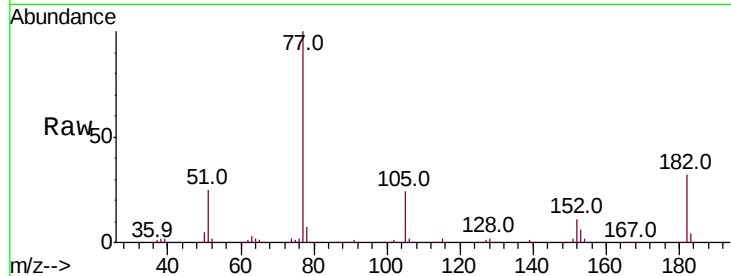
#63
Azobenzene
Concen: 24.195 ng
RT: 10.34 min Scan# 1429
Delta R.T. 0.02 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMSD

Tot Ion	Ratio	Lower	Upper
77	100		
182	31.8	10.1	50.1
105	24.3	4.5	44.5
51	25.4	6.4	46.4

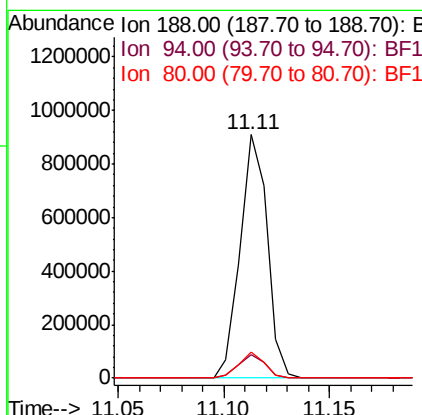
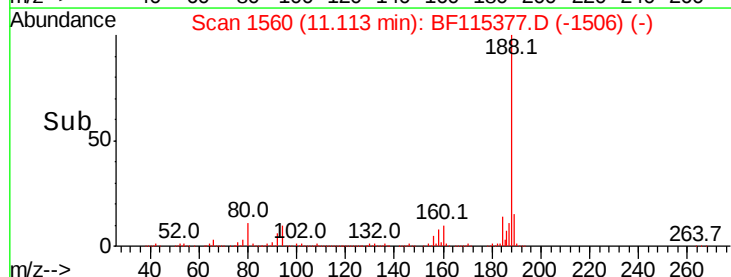
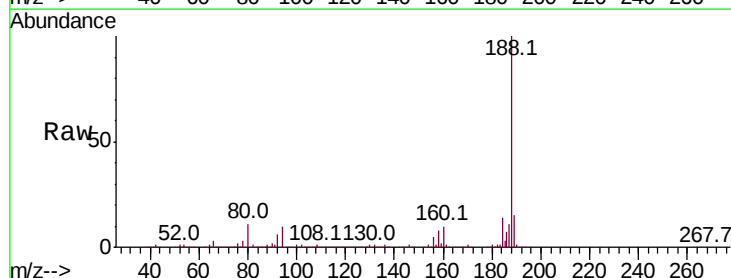
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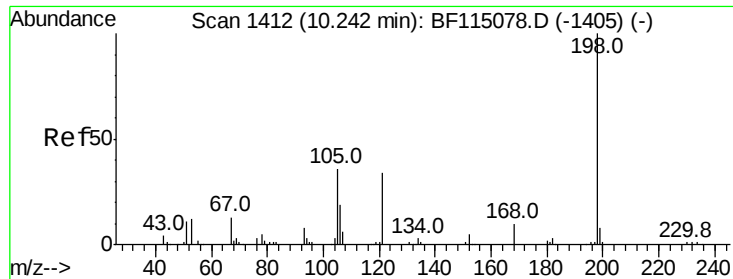
mohammad
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.11 min Scan# 1560
Delta R.T. 0.02 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.6	12.8
80	10.7	8.8	13.2





#65

4,6-Dinitro-2-methylphenol

Concen: 15.339 ng

RT: 10.24 min Scan# 1411

Delta R.T. 0.02 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMSD

Tot Ion:198 Resp: 49930

Ion Ratio Lower Upper

198 100

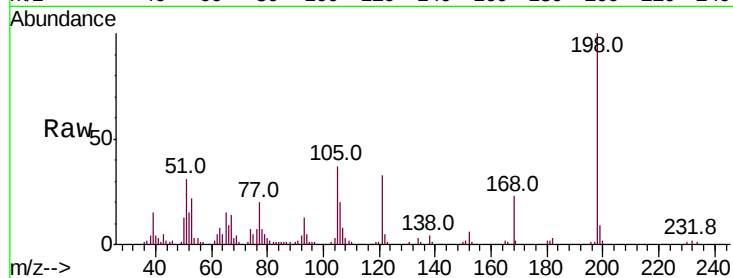
51 30.6 11.0 51.0

105 37.3 17.3 57.3

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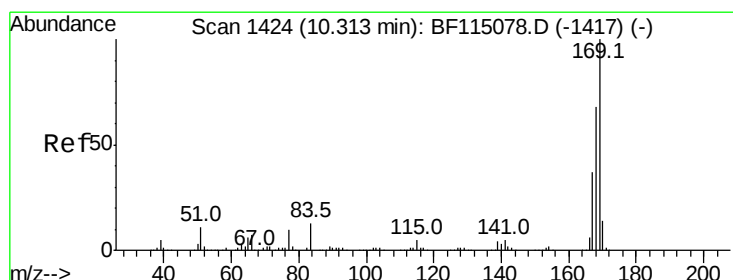
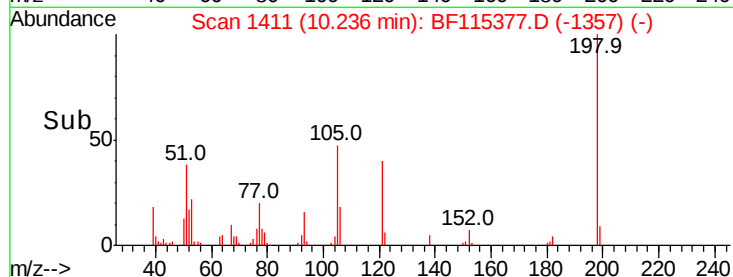
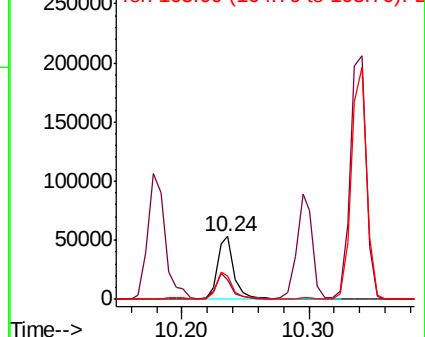
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 25.975 ng

RT: 10.30 min Scan# 1422

Delta R.T. 0.02 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

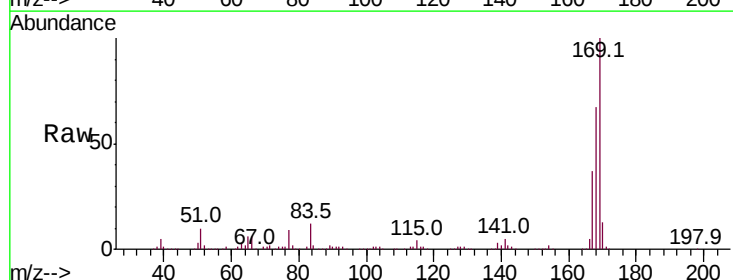
Tgt Ion:169 Resp: 656086

Ion Ratio Lower Upper

169 100

168 66.5 54.2 81.4

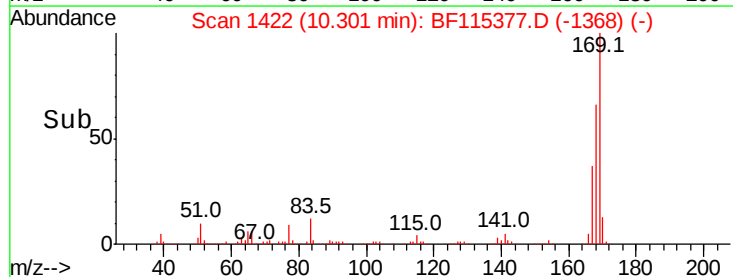
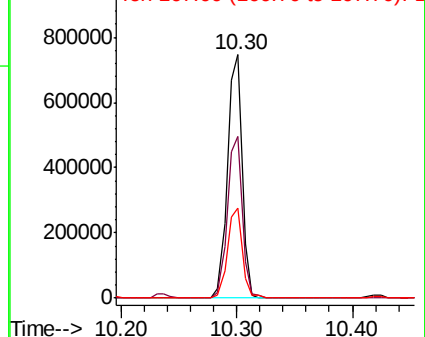
167 37.0 29.4 44.0

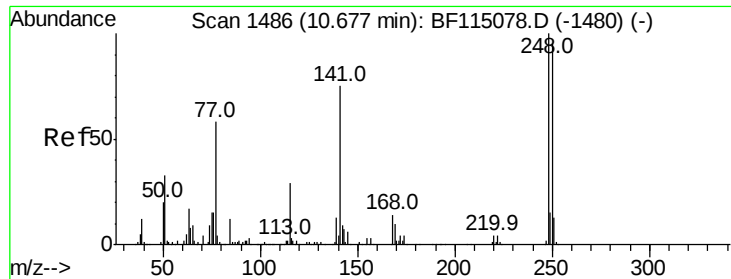


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





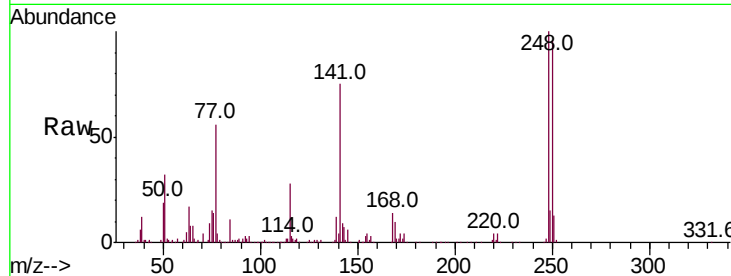
#67
4-Bromophenyl-phenylether
Concen: 26.294 ng
RT: 10.67 min Scan# 1484
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMSD

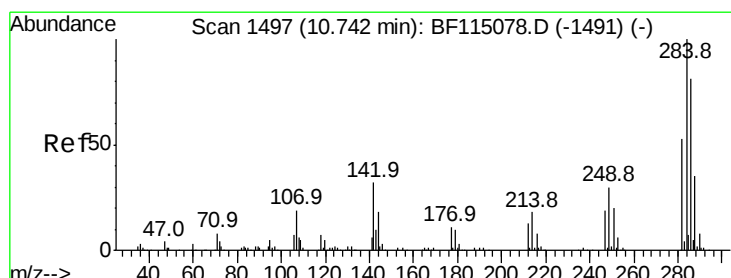
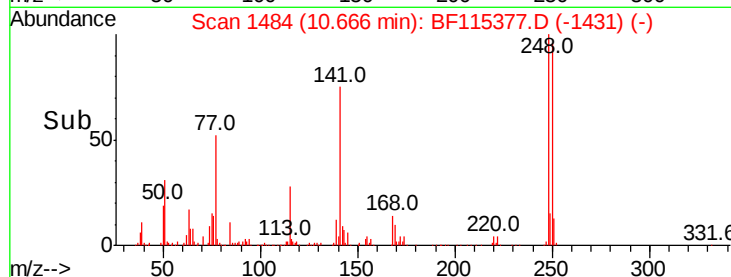
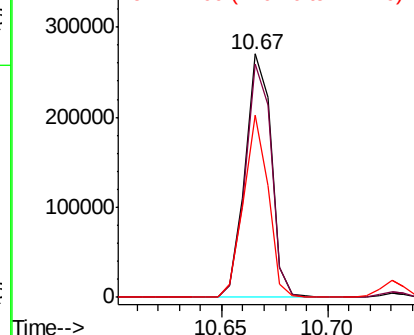
Tot Ion	Ratio	Lower	Upper
248	100		
250	96.1	76.2	114.2
141	74.7	59.6	89.4

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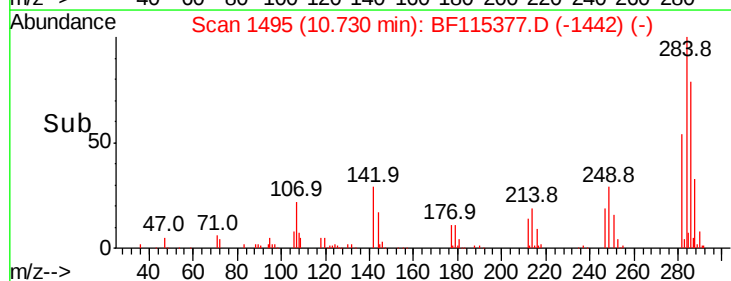
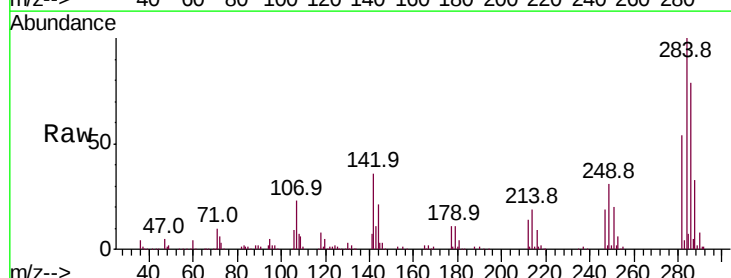
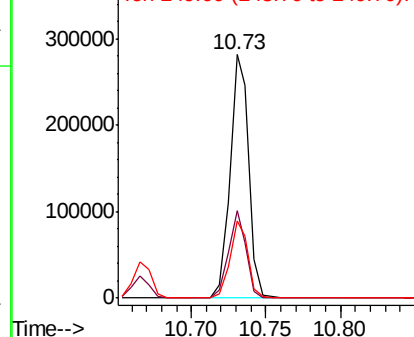
Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

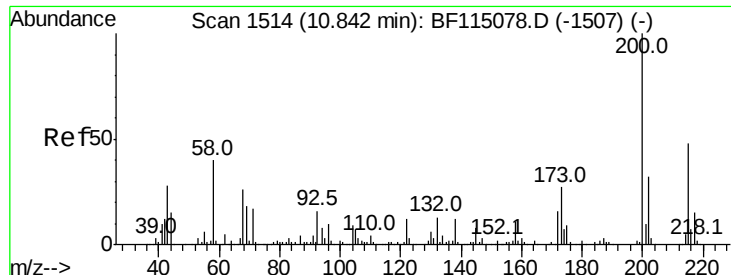


#68
Hexachlorobenzene
Concen: 26.097 ng
RT: 10.73 min Scan# 1495
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Tgt Ion	Ratio	Lower	Upper
284	100		
142	36.1	25.8	38.8
249	31.5	24.2	36.4

Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





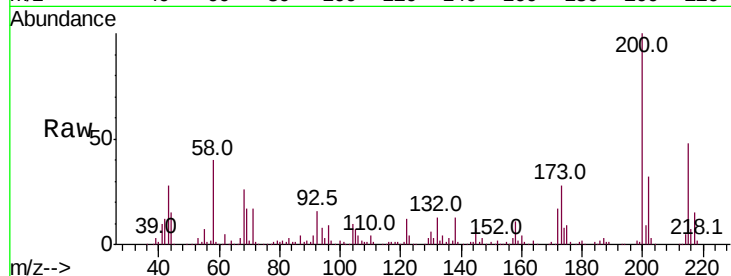
#69
Atrazine
Concen: 26.457 ng
RT: 10.83 min Scan# 1512
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMSD

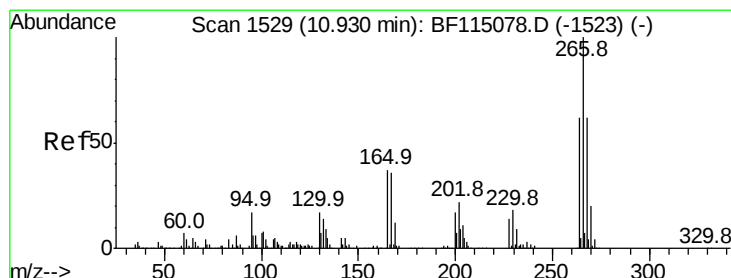
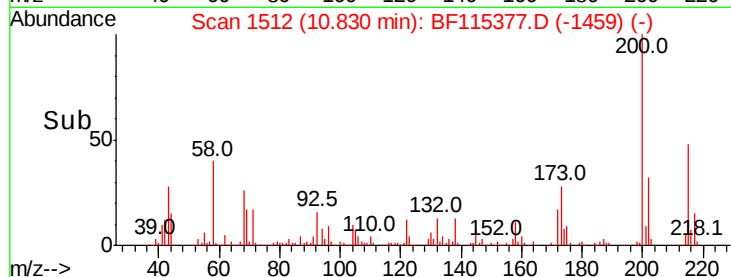
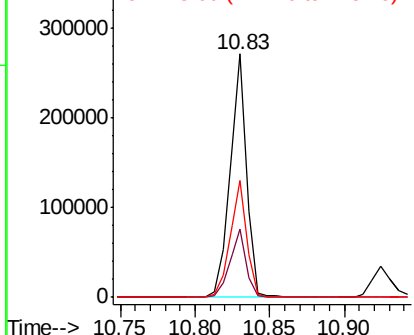
Tot Ion	Ratio	Lower	Upper
200	100		
173	28.0	7.4	47.4
215	47.9	27.8	67.8

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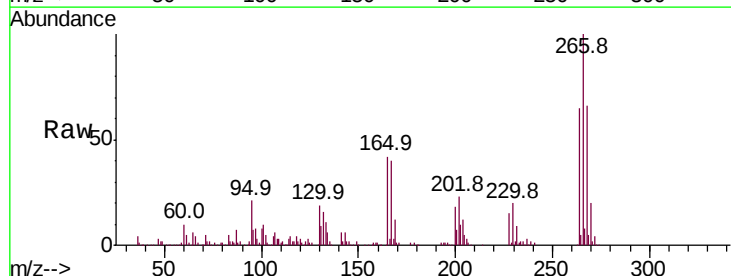


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

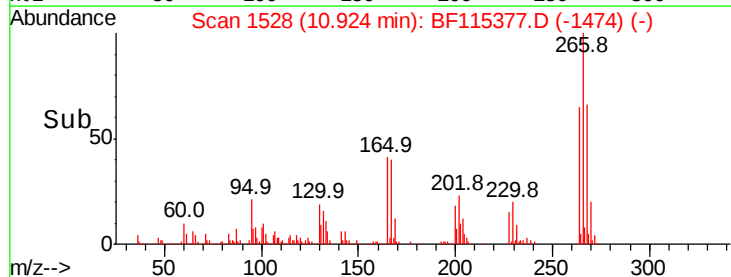
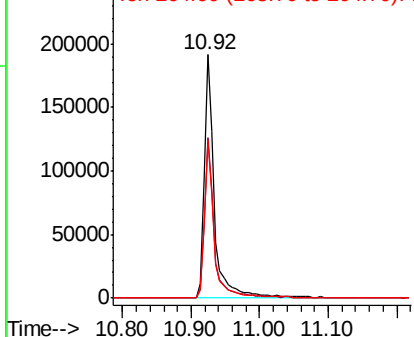


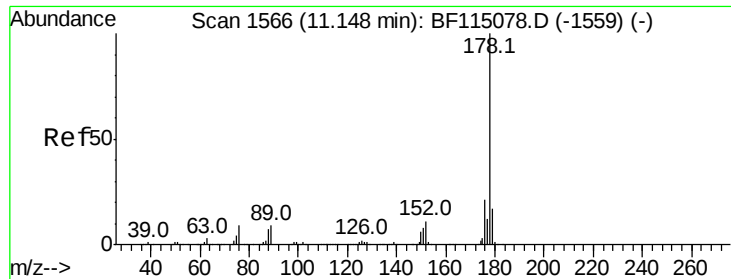
#70
Pentachlorophenol
Concen: 33.812 ng
RT: 10.92 min Scan# 1528
Delta R.T. 0.02 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Tgt Ion	Ratio	Lower	Upper
266	100		
268	65.7	49.5	74.3
264	65.0	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





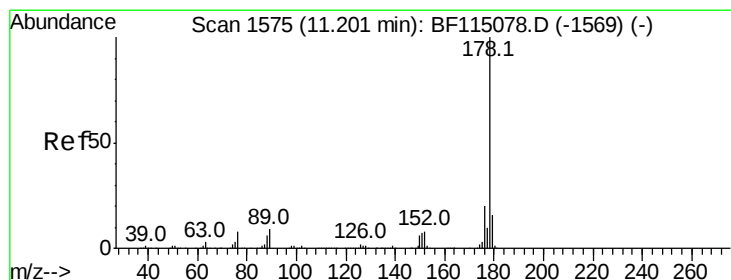
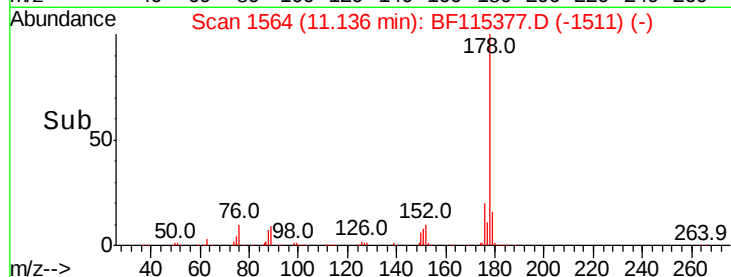
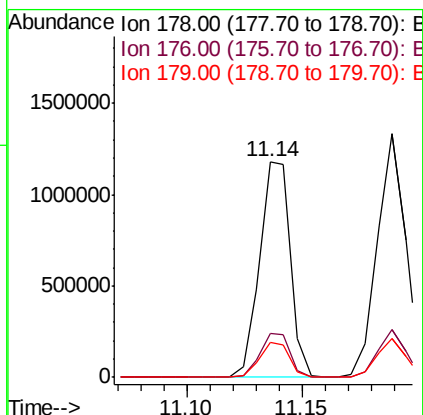
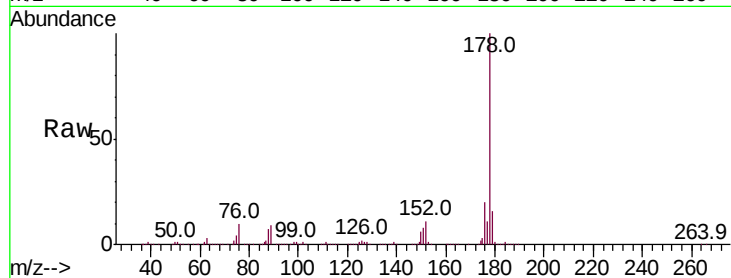
#71
Phenanthrene
Concen: 25.181 ng
RT: 11.14 min Scan# 1564
Delta R.T. 0.01 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMSD

Tot Ion:178 Resp: 1099178
Ion Ratio Lower Upper
178 100
176 20.0 16.9 25.3
179 16.1 13.2 19.8

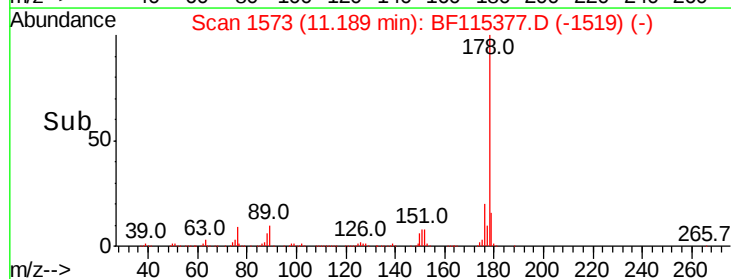
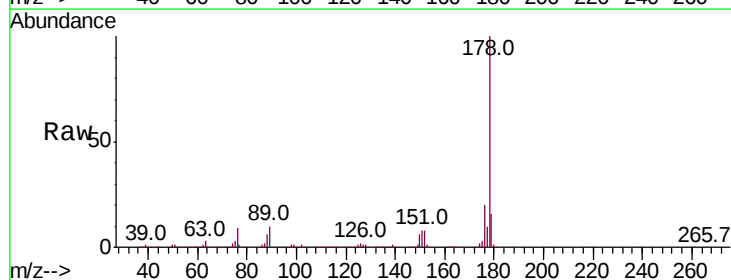
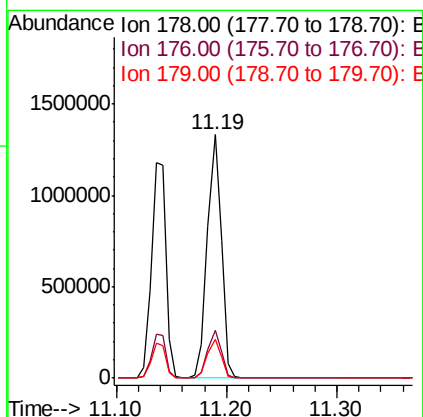
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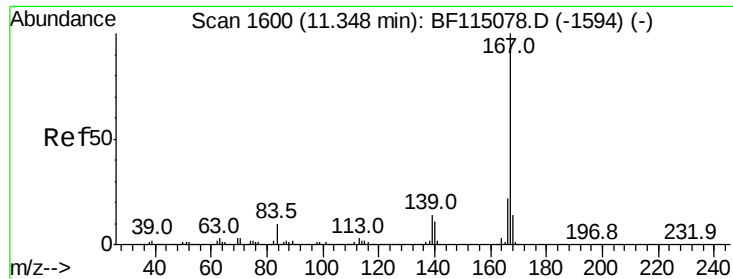
mohammad
7/3/2019 10:52:00 PM



#72
Anthracene
Concen: 25.770 ng
RT: 11.19 min Scan# 1573
Delta R.T. 0.02 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Tgt Ion:178 Resp: 1135501
Ion Ratio Lower Upper
178 100
176 19.6 16.1 24.1
179 16.0 12.9 19.3





#73

Carbazole

Concen: 25.914 ng

RT: 11.34 min Scan# 1599

Delta R.T. 0.02 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMSD

Tot Ion:167 Resp: 1019628

Ion Ratio Lower Upper

167 100

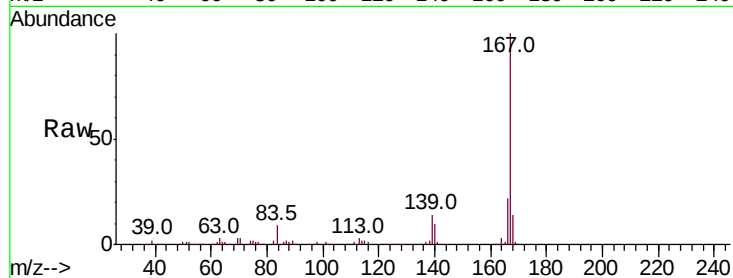
166 22.0 18.0 27.0

139 13.5 11.1 16.7

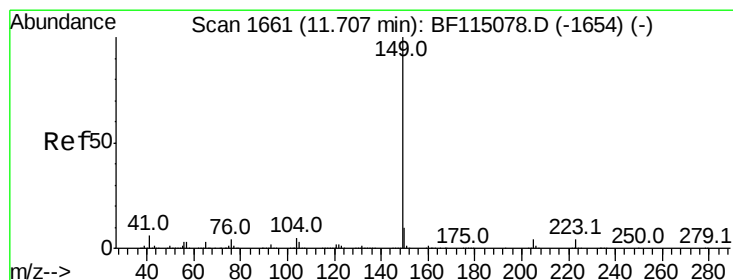
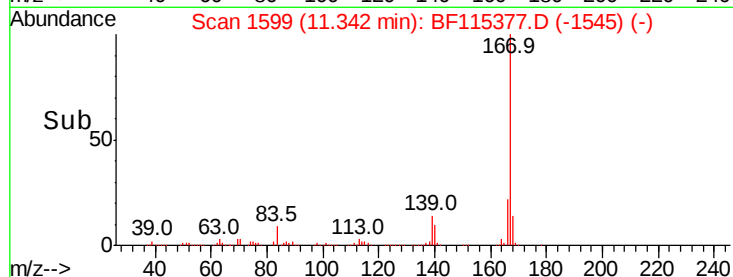
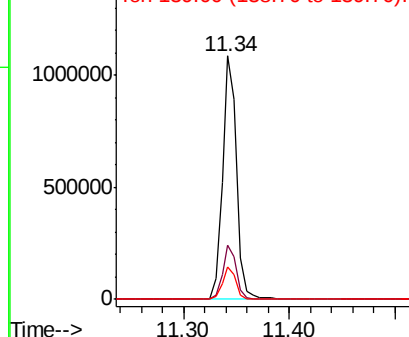
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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 26.843 ng

RT: 11.70 min Scan# 1659

Delta R.T. 0.02 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

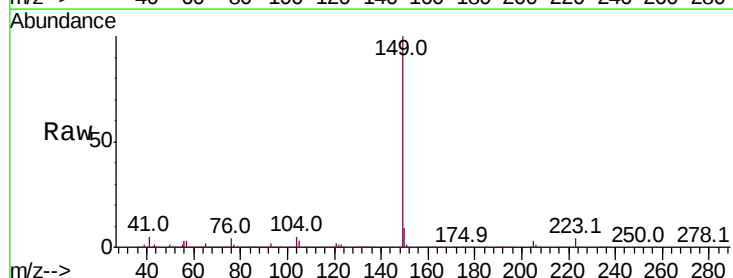
Tgt Ion:149 Resp: 1220439

Ion Ratio Lower Upper

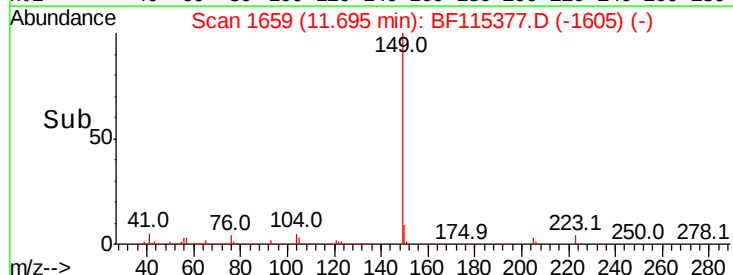
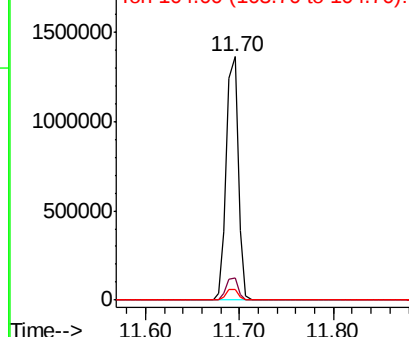
149 100

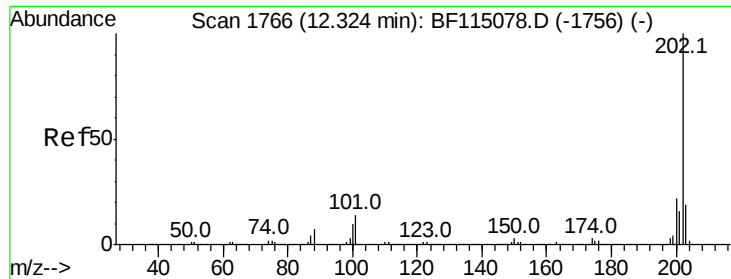
150 9.3 7.8 11.8

104 4.5 3.7 5.5



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





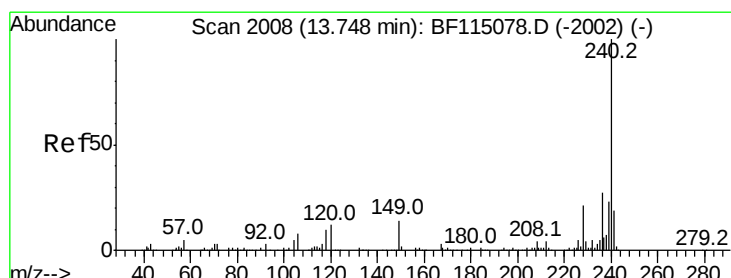
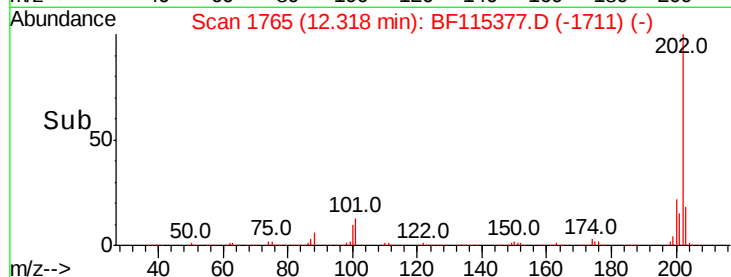
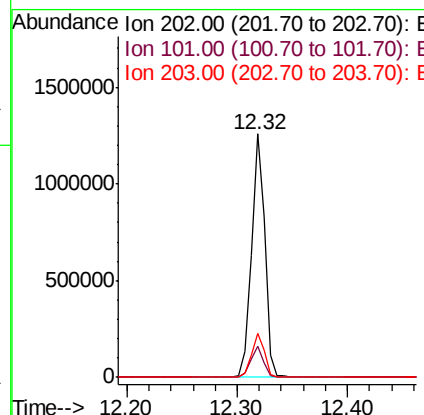
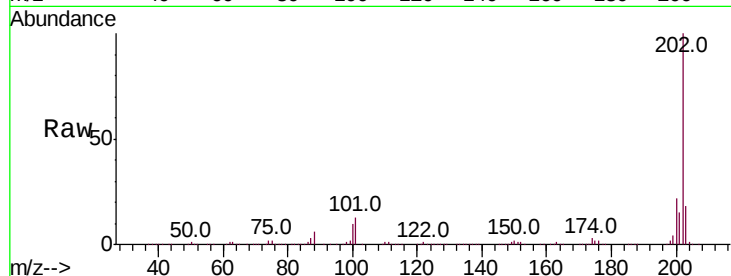
#75
Fluoranthene
 Concen: 24.438 ng
 RT: 12.32 min Scan# 1765
 Delta R.T. 0.02 min
 Lab File: BF115377.D
 Acq: 2 Jul 2019 23:07

Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILEMSD

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	34.0
203	18.0	0.0	38.8

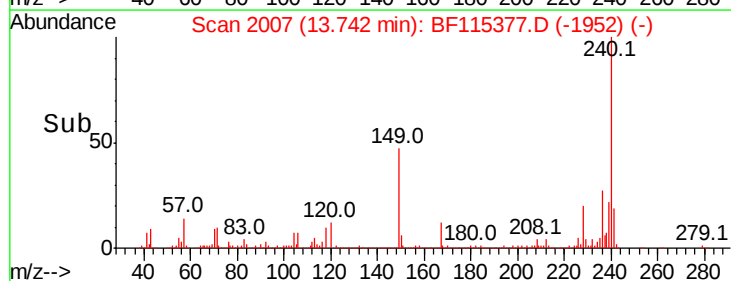
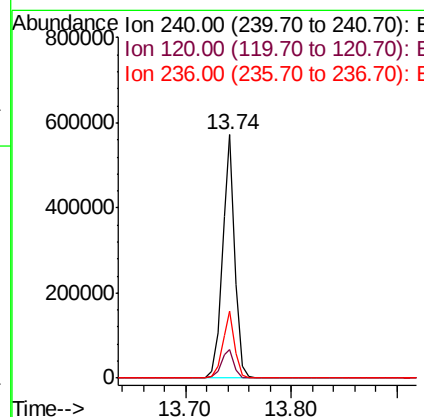
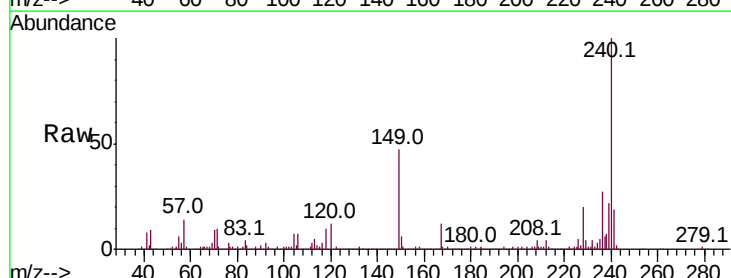
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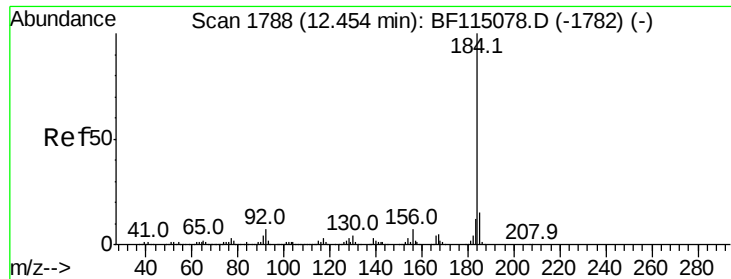
mohammad
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#76
Chrysene-d12
 Concen: 20.000 ng
 RT: 13.74 min Scan# 2007
 Delta R.T. 0.02 min
 Lab File: BF115377.D
 Acq: 2 Jul 2019 23:07

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.4	14.2
236	27.4	21.7	32.5





#77

Benzidine

Concen: 4.645 ng

RT: 12.45 min Scan# 1787

Delta R.T. 0.02 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMSD

Tot Ion:184 Resp: 97475

Ion Ratio Lower Upper

184 100

185 16.1 12.2 18.2

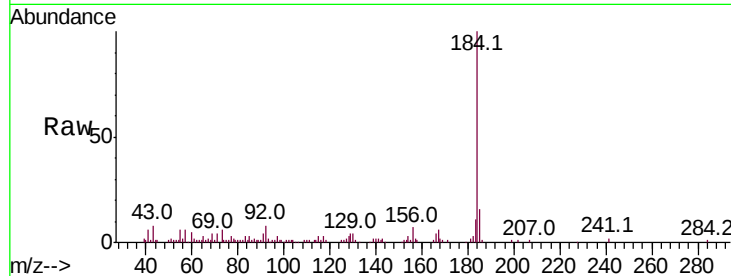
183 10.9 9.6 14.4

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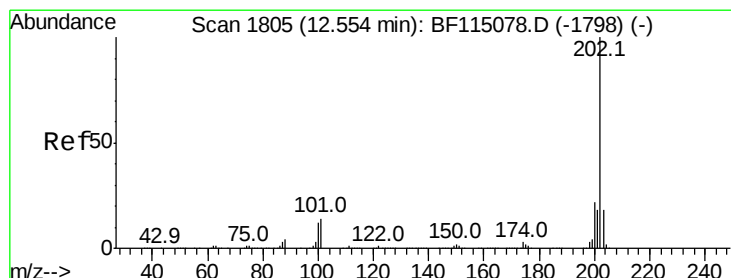
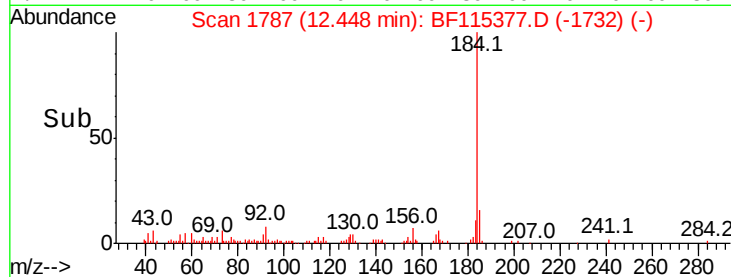
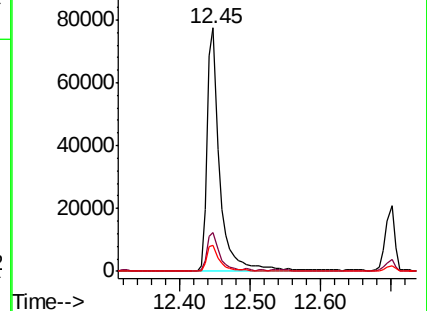
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Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 29.229 ng

RT: 12.55 min Scan# 1804

Delta R.T. 0.02 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

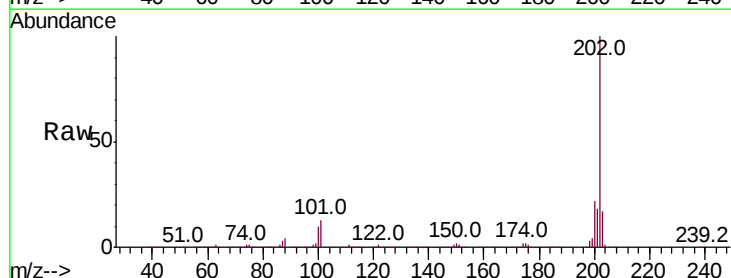
Tgt Ion:202 Resp: 1061618

Ion Ratio Lower Upper

202 100

200 21.6 17.9 26.9

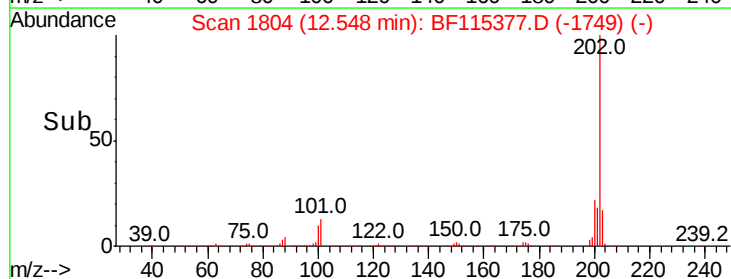
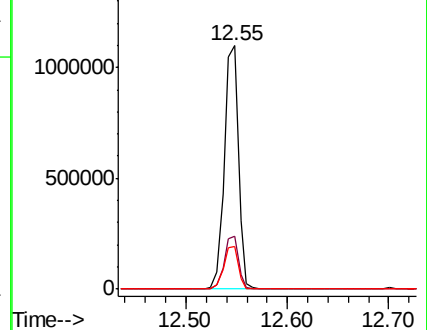
203 17.5 14.6 21.8

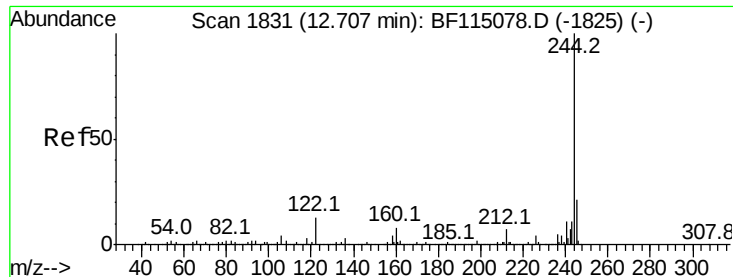


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 66.328 ng

RT: 12.70 min Scan# 1830

Delta R.T. 0.02 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

Instrument :

BNA_F

ClientSampleId :

NB-SOIL-PILEMSD

Tot Ion:244 Resp: 1474392

Ion Ratio Lower Upper

244 100

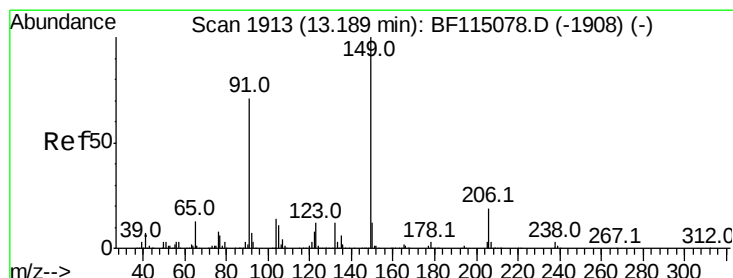
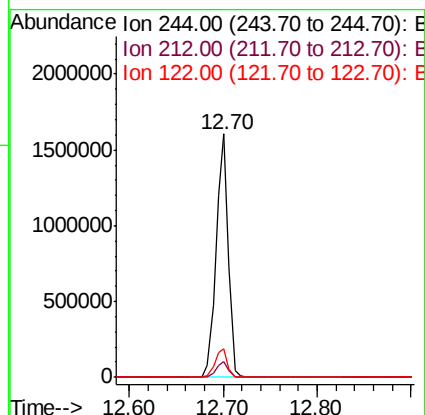
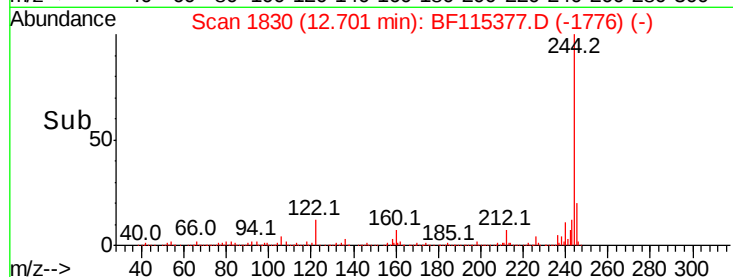
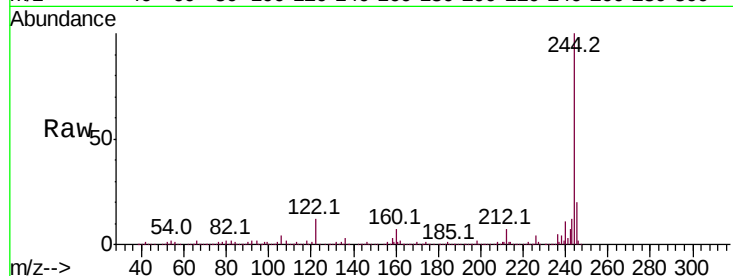
212 6.7 5.8 8.6

122 11.6 10.4 15.6

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#80

Butylbenzylphthalate

Concen: 27.908 ng

RT: 13.18 min Scan# 1912

Delta R.T. 0.02 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

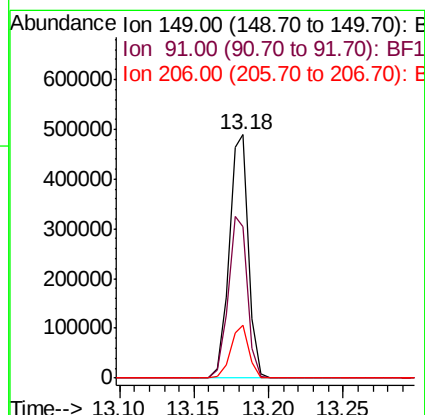
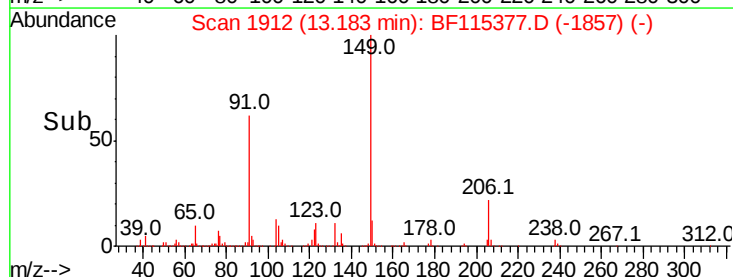
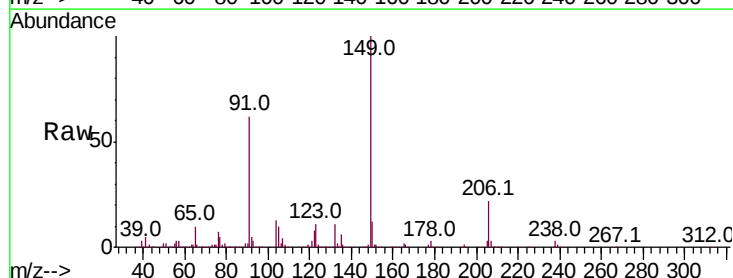
Tgt Ion:149 Resp: 447329

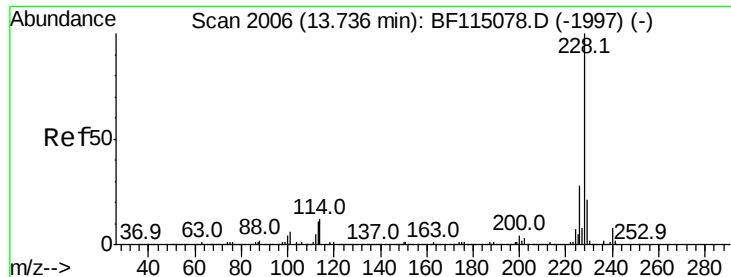
Ion Ratio Lower Upper

149 100

91 62.1 56.5 84.7

206 21.8 15.3 22.9





#81

Benzo(a)anthracene

Concen: 24.470 ng

RT: 13.73 min Scan# 2005

Delta R.T. 0.02 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

Instrument :

BNA_F

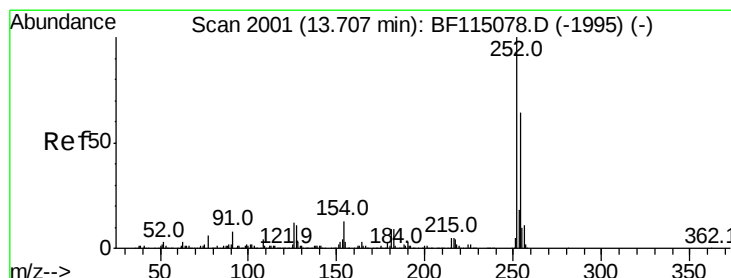
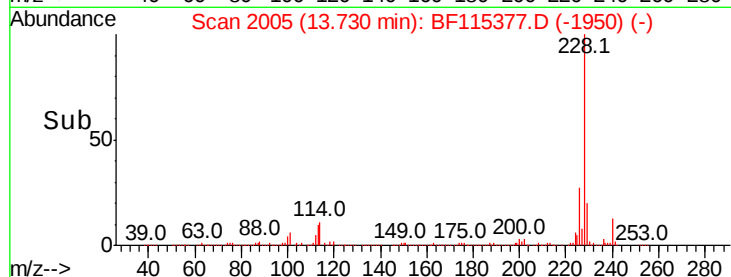
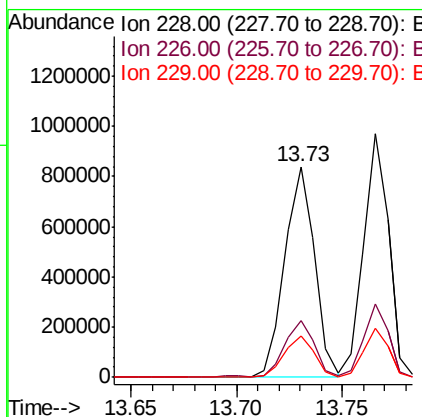
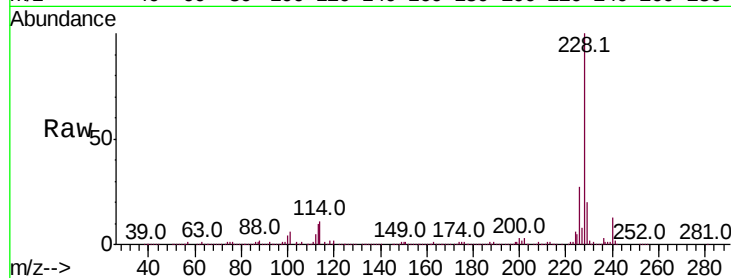
ClientSampleId :

NB-SOIL-PILEMSD

Tot Ion:	228	Resp:	829839
Ion Ratio	Lower	Upper	
228	100		
226	26.9	22.5	33.7
229	19.9	16.6	24.8

Manual Integrations
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#82

3,3'-Dichlorobenzidine

Concen: 22.471 ng

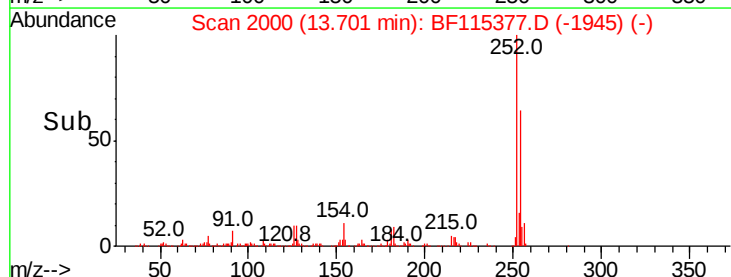
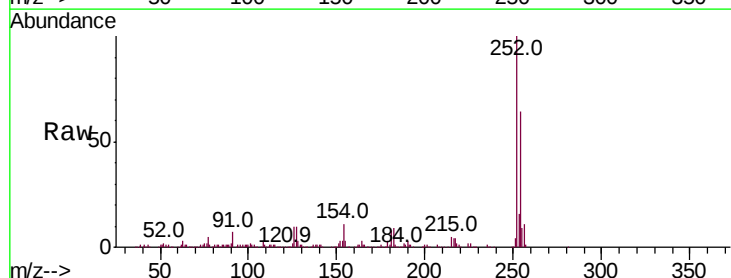
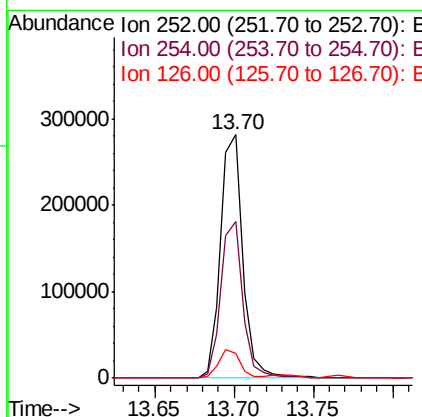
RT: 13.70 min Scan# 2000

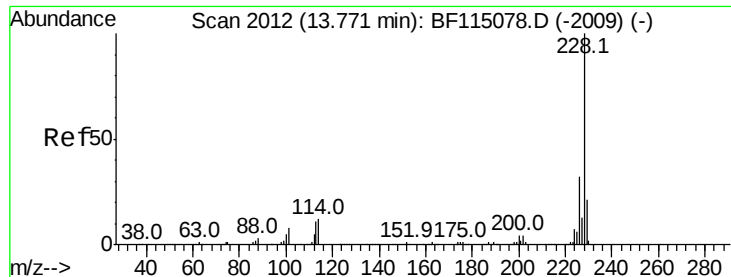
Delta R.T. 0.02 min

Lab File: BF115377.D

Acq: 2 Jul 2019 23:07

Tgt Ion:	252	Resp:	275179
Ion Ratio	Lower	Upper	
252	100		
254	64.2	51.1	76.7
126	10.0	9.4	14.0





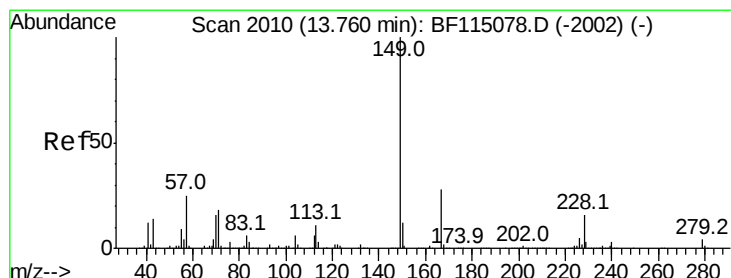
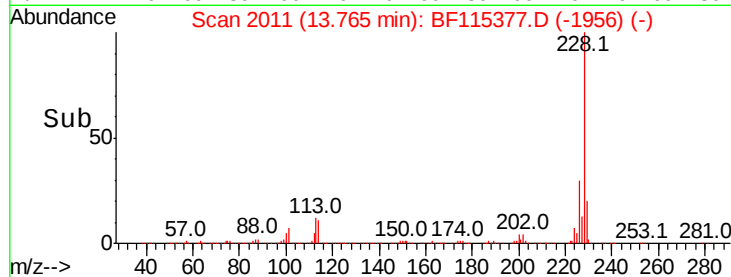
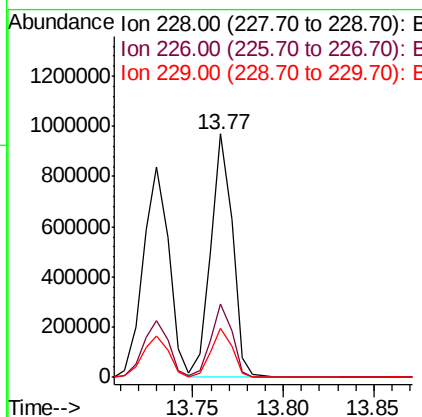
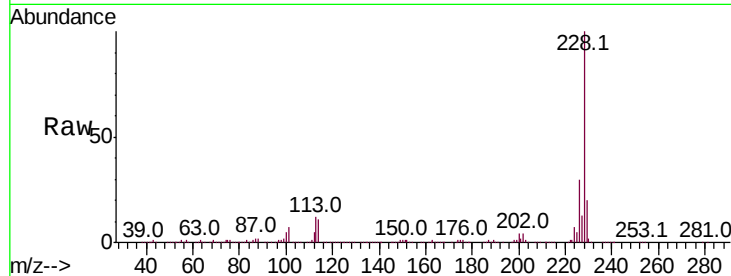
#83
 Chrvsene
 Concen: 25.907 ng
 RT: 13.77 min Scan# 2011
 Delta R.T. 0.02 min
 Lab File: BF115377.D
 Acq: 2 Jul 2019 23:07

Instrument :
 BNA_F
 ClientSampleId :
 NB-SOIL-PILEMSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.4	38.0
229	20.4	16.5	24.7

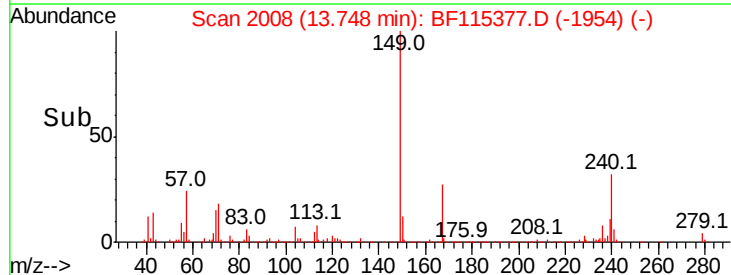
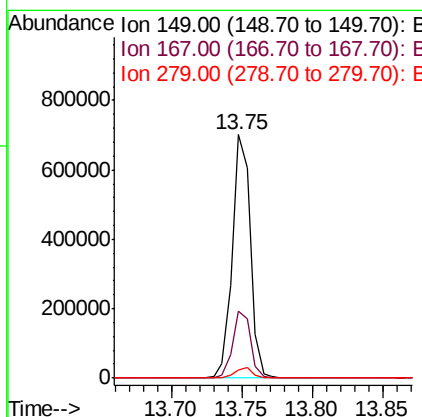
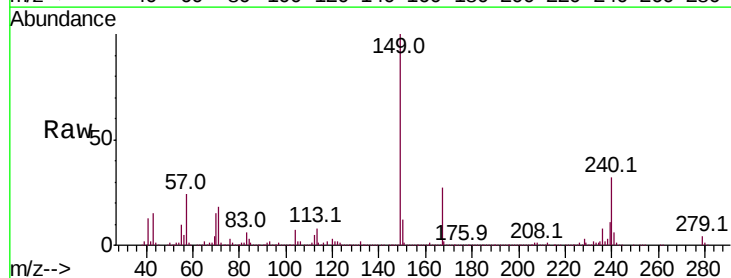
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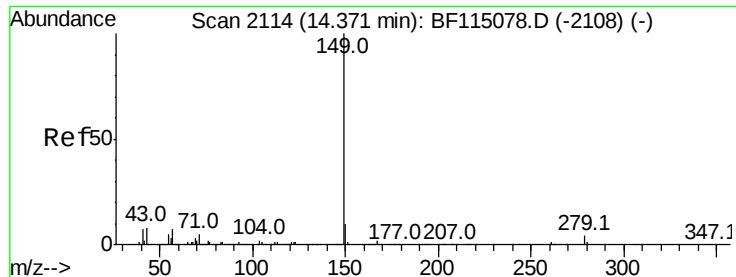
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 29.651 ng
 RT: 13.75 min Scan# 2008
 Delta R.T. 0.02 min
 Lab File: BF115377.D
 Acq: 2 Jul 2019 23:07

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.3	22.2	33.4
279	3.6	2.9	4.3





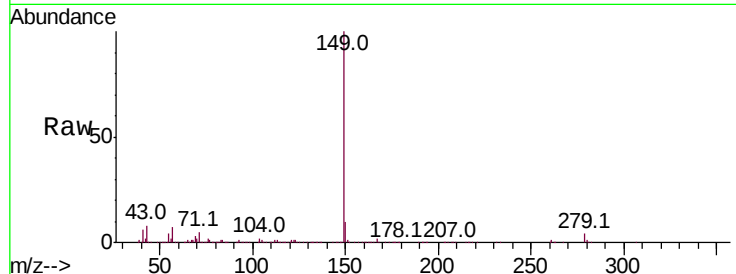
#85
Di-n-octyl phthalate
Concen: 26.717 ng
RT: 14.36 min Scan# 2112
Delta R.T. 0.02 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMSD

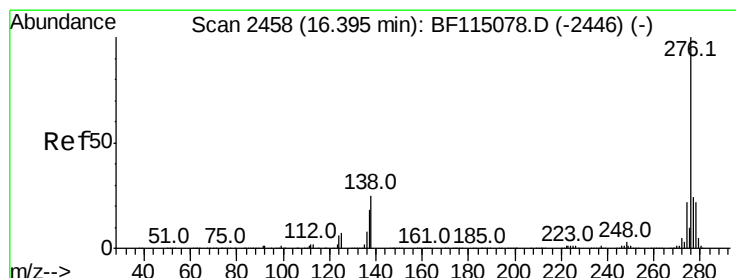
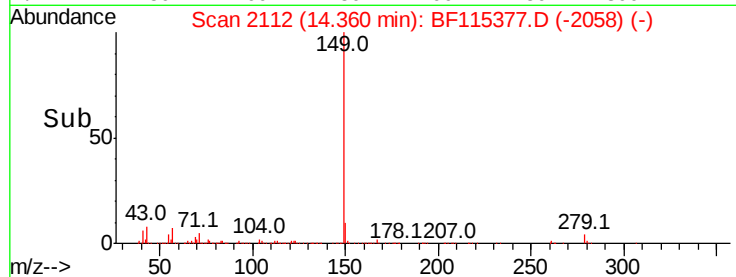
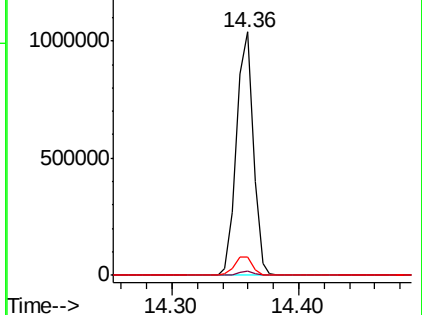
Tot Ion	Ratio	Resp	Lower	Upper
149	100			
167	1.6	1.2	1.8	
43	8.3	7.0	10.6	

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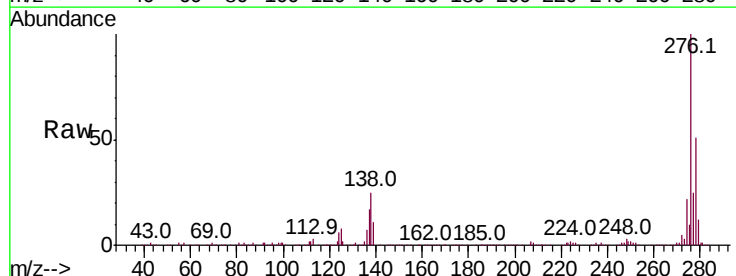


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

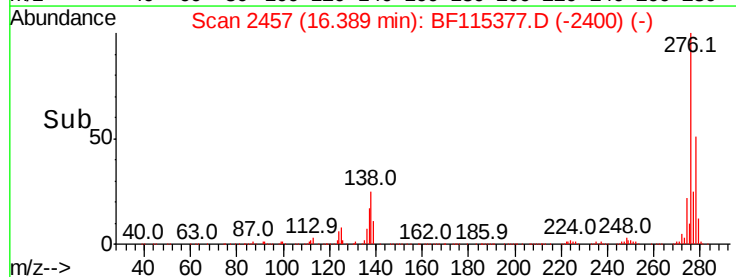
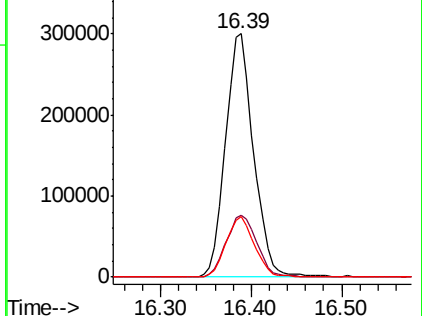


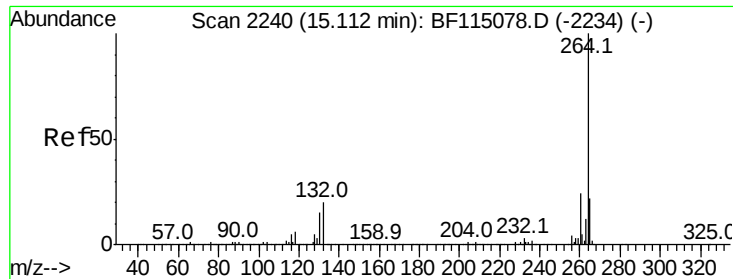
#86
Indeno(1,2,3-cd)pyrene
Concen: 17.578 ng
RT: 16.39 min Scan# 2457
Delta R.T. 0.04 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Tgt Ion	Ratio	Resp	Lower	Upper
276	100			
138	28.0	23.2	34.8	
277	25.5	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





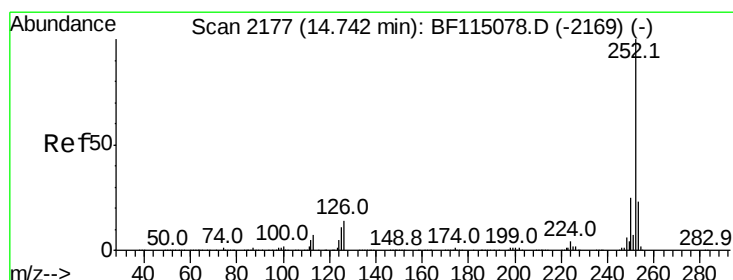
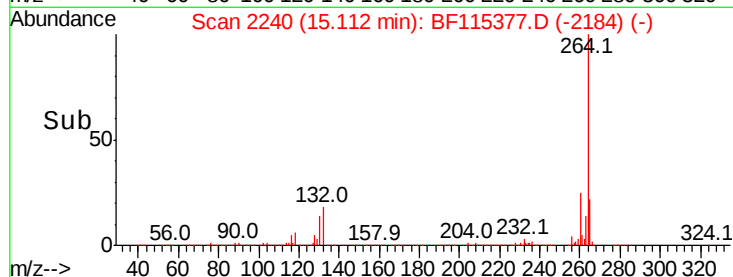
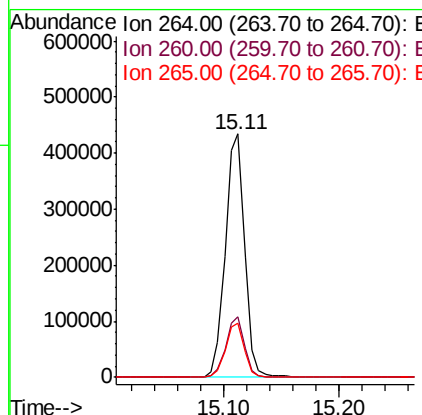
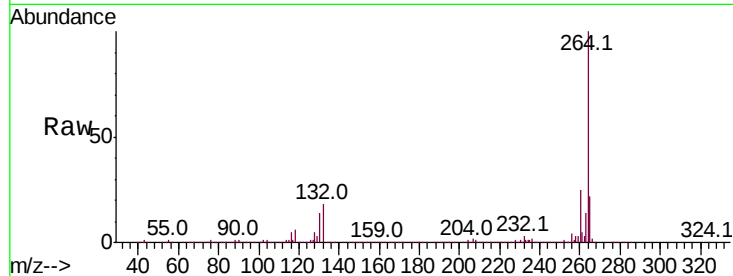
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.11 min Scan# 2240
Delta R.T. 0.03 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.6	29.4
265	22.2	17.3	25.9

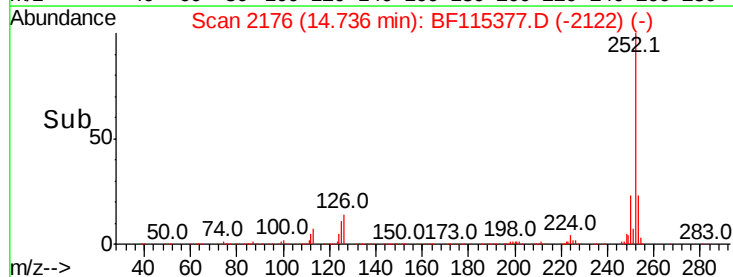
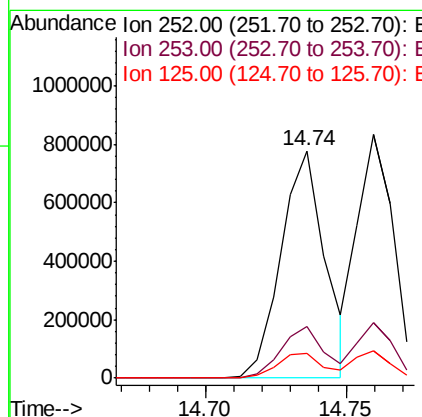
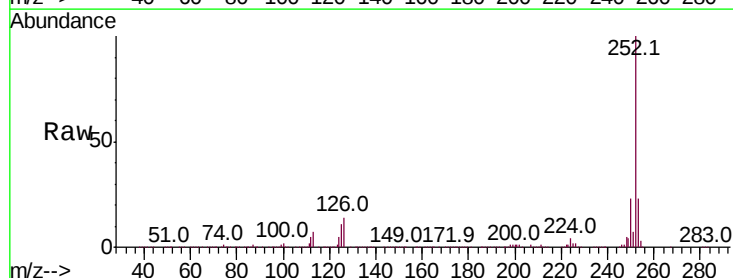
Manual Integrations
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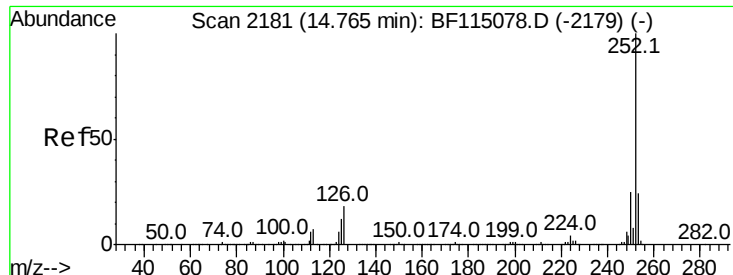
mohammad
7/3/2019 10:52:00 PM



#88
Benzo(b)fluoranthene
Concen: 26.854 ng
RT: 14.74 min Scan# 2176
Delta R.T. 0.02 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	10.6	8.7	13.1





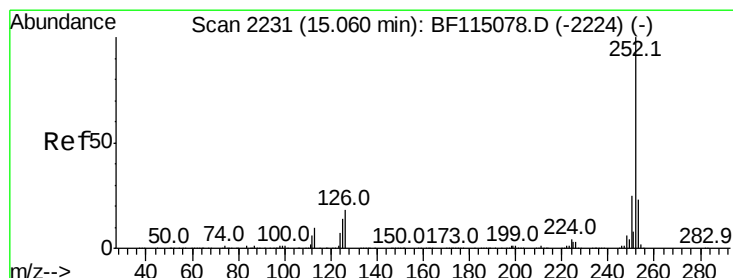
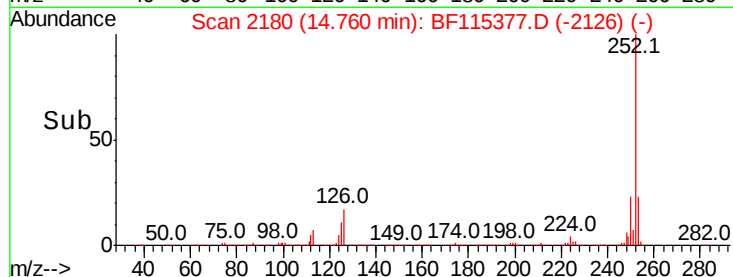
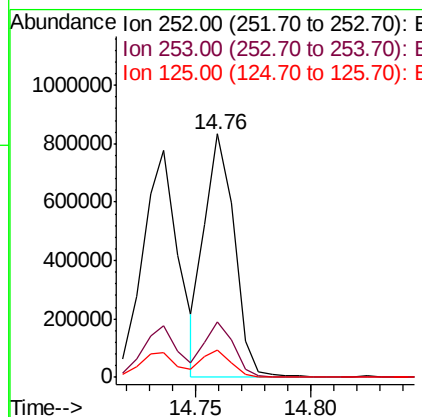
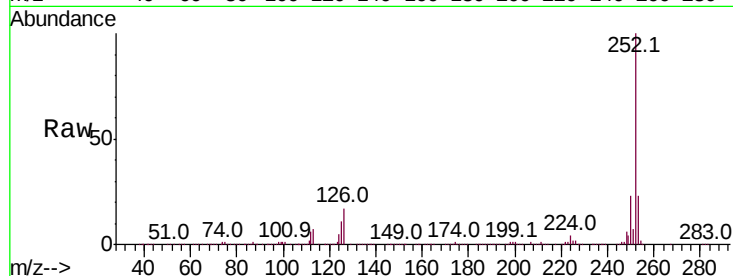
#89
Benzo(k)fluoranthene
Concen: 26.402 ng
RT: 14.76 min Scan# 2180
Delta R.T. 0.02 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.9	28.3
125	11.3	10.2	15.2

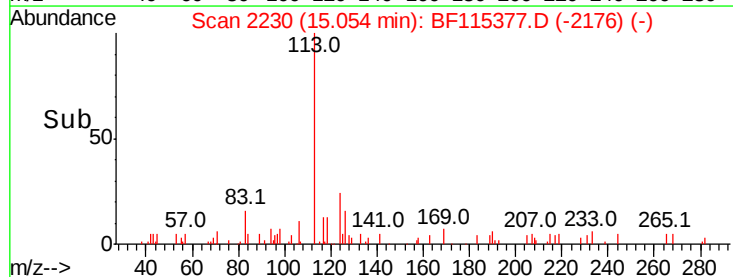
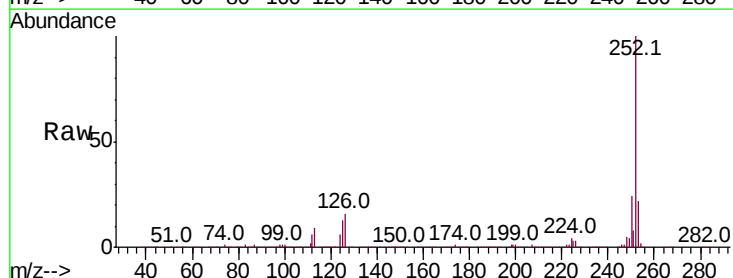
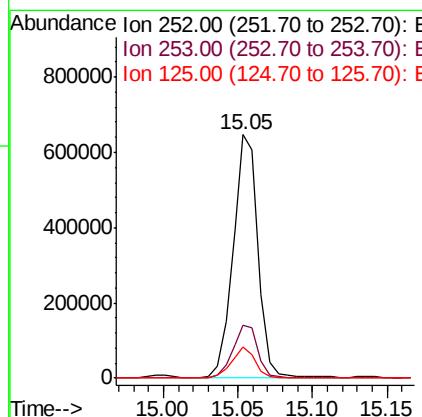
Manual Integrations
APPROVED

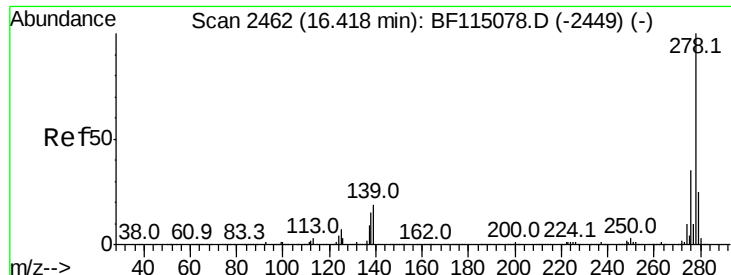
mohammad
7/3/2019 10:52:00 PM



#90
Benzo(a)pyrene
Concen: 26.674 ng
RT: 15.05 min Scan# 2230
Delta R.T. 0.02 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.3	27.5
125	12.8	10.9	16.3





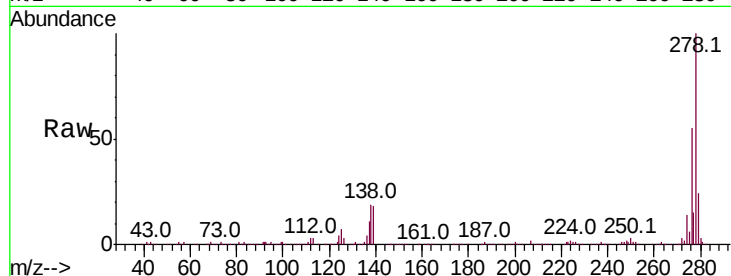
#91
Dibenzo(a,h)anthracene
Concen: 20.848 ng
RT: 16.40 min Scan# 2459
Delta R.T. 0.03 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Instrument :
BNA_F
ClientSampleId :
NB-SOIL-PILEMSD

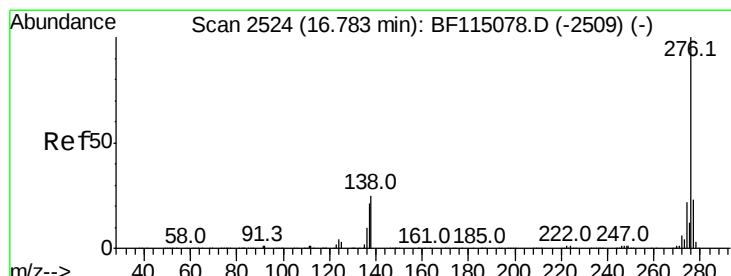
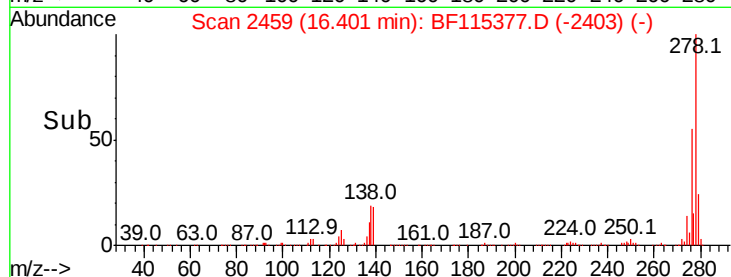
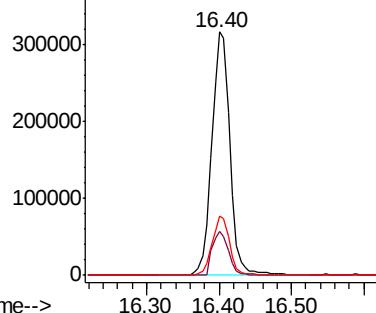
Tot Ion:	278	Resp:	550282
Ion Ratio	Lower	Upper	
278	100		
139	18.3	15.4	23.2
279	24.3	19.9	29.9

Manual Integrations
APPROVED

mohammad
7/3/2019 10:52:00 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: 18.904 ng
RT: 16.77 min Scan# 2521
Delta R.T. 0.03 min
Lab File: BF115377.D
Acq: 2 Jul 2019 23:07

Tgt Ion:	276	Resp:	505015
Ion Ratio	Lower	Upper	
276	100		
277	23.2	18.6	28.0
138	24.0	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

