

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051519\
 Data File : BF114297.D
 Acq On : 15 May 2019 20:59
 Operator : JU/SJ
 Sample : K2851-01MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMSD

Manual Integrations
 APPROVED

mohammad
 5/16/2019 9:51:12 AM

Quant Time: May 16 08:19:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	259686	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1006998	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	487042	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	1000122	20.00	ng	0.00
76) Chrysene-d12	14.02	240	681096	20.00	ng	0.00
87) Perylene-d12	15.50	264	709862	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	1859803	115.25	ng	0.02
7) Phenol-d6	6.50	99	2428152	127.22	ng	0.01
23) Nitrobenzene-d5	7.42	82	1534409	85.51	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	585475	116.28	ng	0.01
45) 2-Fluorobiphenyl	9.21	172	2150646	66.80	ng	0.00
79) Terphenyl-d14	12.96	244	2341903	70.88	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.67	88	306909	34.602	ng	99
3) Pyridine	3.43	79	852581	34.887	ng	95
4) n-Nitrosodimethylamine	3.38	42	452980	38.438	ng	97
6) Aniline	6.52	93	653939	23.719	ng	# 1
8) 2-Chlorophenol	6.65	128	763857	44.340	ng	98
9) Benzaldehyde	6.40	77	331259	24.792	ng	99
10) Phenol	6.52	94	951961	42.400	ng	90
11) bis(2-Chloroethyl)ether	6.59	93	765026	44.882	ng	99
12) 1,3-Dichlorobenzene	6.79	146	778675	40.268	ng	98
13) 1,4-Dichlorobenzene	6.87	146	788254	40.452	ng	98
14) 1,2-Dichlorobenzene	7.02	146	728779	40.937	ng	99
15) Benzyl Alcohol	7.00	79	654007	43.935	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.13	45	1363532	41.257	ng	78
17) 2-Methylphenol	7.12	107	625313	44.188	ng	# 92
18) Hexachloroethane	7.36	117	293210	40.087	ng	99
19) n-Nitroso-di-n-propylamine	7.27	70	528848	43.716	ng	99
20) 3+4-Methylphenols	7.27	107	774527	47.371	ng	# 67
22) Acetophenone	7.26	105	1019417	45.697	ng	# 90
24) Nitrobenzene	7.43	77	838848	45.900	ng	99
25) Isophorone	7.67	82	1531868	46.032	ng	99
26) 2-Nitrophenol	7.75	139	436151	49.190	ng	98
27) 2,4-Dimethylphenol	7.79	122	700079	50.272	ng	98
28) bis(2-Chloroethoxy)methane	7.88	93	972314	45.031	ng	100
29) 2,4-Dichlorophenol	8.00	162	644202	46.456	ng	99
30) 1,2,4-Trichlorobenzene	8.07	180	669528	42.460	ng	98
31) Naphthalene	8.16	128	2198747	46.744	ng	99
32) Benzoic acid	7.90	122	109127	16.403	ng	100
33) 4-Chloroaniline	8.20	127	241492	11.266	ng	98
34) Hexachlorobutadiene	8.27	225	360712	40.204	ng	99
35) Caprolactam	8.58	113	264719m	58.545	ng	
36) 4-Chloro-3-methylphenol	8.70	107	705986	50.579	ng	99
37) 2-Methylnaphthalene	8.85	142	1460499	48.124	ng	97
38) 1-Methylnaphthalene	8.95	142	1368173	47.871	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.02	216	636230	43.124	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.00	237	388226	57.753	ng	98
43) 2,4,6-Trichlorophenol	9.13	196	454472	44.785	ng	99
44) 2,4,5-Trichlorophenol	9.18	196	477990	45.929	ng	99
46) 1,1'-Biphenyl	9.31	154	1724524	43.829	ng	99
47) 2-Chloronaphthalene	9.33	162	1320667	41.707	ng	100
48) 2-Nitroaniline	9.43	65	503181	44.806	ng	97
49) Acenaphthylene	9.75	152	2109303	43.797	ng	99
50) Dimethylphthalate	9.61	163	2028249	56.729	ng	100
51) 2,6-Dinitrotoluene	9.67	165	375848	47.395	ng	98
52) Acenaphthene	9.92	154	1247316	42.205	ng	99
53) 3-Nitroaniline	9.85	138	277535	28.193	ng	97
54) 2,4-Dinitrophenol	9.96	184	167133	45.125	ng	93
55) Dibenzofuran	10.10	168	1814480	41.870	ng	97
56) 4-Nitrophenol	10.03	139	551256	79.186	ng	99
57) 2,4-Dinitrotoluene	10.09	165	468329	43.511	ng	# 88
58) Fluorene	10.44	166	1477082	44.127	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.22	232	403126	44.893	ng	99
60) Diethylphthalate	10.31	149	1597178	43.966	ng	100
61) 4-Chlorophenyl-phenylether	10.43	204	700485	42.607	ng	99
62) 4-Nitroaniline	10.47	138	437360	42.281	ng	97
63) Azobenzene	10.59	77	1559191	44.341	ng	99
65) 4,6-Dinitro-2-methylphenol	10.50	198	194411	40.454	ng	87
66) n-Nitrosodiphenylamine	10.54	169	1346326	44.354	ng	100
67) 4-Bromophenyl-phenylether	10.92	248	459247	41.705	ng	97
68) Hexachlorobenzene	10.99	284	491104	40.314	ng	97
69) Atrazine	11.07	200	422435	44.721	ng	99
70) Pentachlorophenol	11.19	266	440766	76.326	ng	99
71) Phenanthrene	11.40	178	2267070	46.593	ng	100
72) Anthracene	11.46	178	2241899	45.873	ng	100
73) Carbazole	11.61	167	2153618	46.211	ng	100
74) Di-n-butylphthalate	11.93	149	2518400	46.905	ng	98
75) Fluoranthene	12.59	202	2542328	48.520	ng	97
77) Benzidine	12.70	184	1048141	34.283	ng	96
78) Pyrene	12.82	202	2565671	46.827	ng	100
80) Butylbenzylphthalate	13.43	149	1182494	51.275	ng	99
81) Benzo(a)anthracene	14.01	228	2070591	47.002	ng	99
82) 3,3'-Dichlorobenzidine	13.97	252	466385	27.291	ng	99
83) Chrysene	14.05	228	1996473	46.231	ng	99
84) Bis(2-ethylhexyl)phthalate	13.99	149	1612614	53.465	ng	100
85) Di-n-octyl phthalate	14.61	149	2656452	54.330	ng	100
86) Indeno(1,2,3-cd)pyrene	17.00	276	2044679	53.574	ng	99
88) Benzo(b)fluoranthene	15.07	252	2014254	44.291	ng	99
89) Benzo(k)fluoranthene	15.10	252	1780199	42.613	ng	99
90) Benzo(a)pyrene	15.44	252	1824366	45.582	ng	99
91) Dibenzo(a,h)anthracene	17.01	278	1667365	50.134	ng	98
92) Benzo(g,h,i)perylene	17.44	276	1768186	53.051	ng	99

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

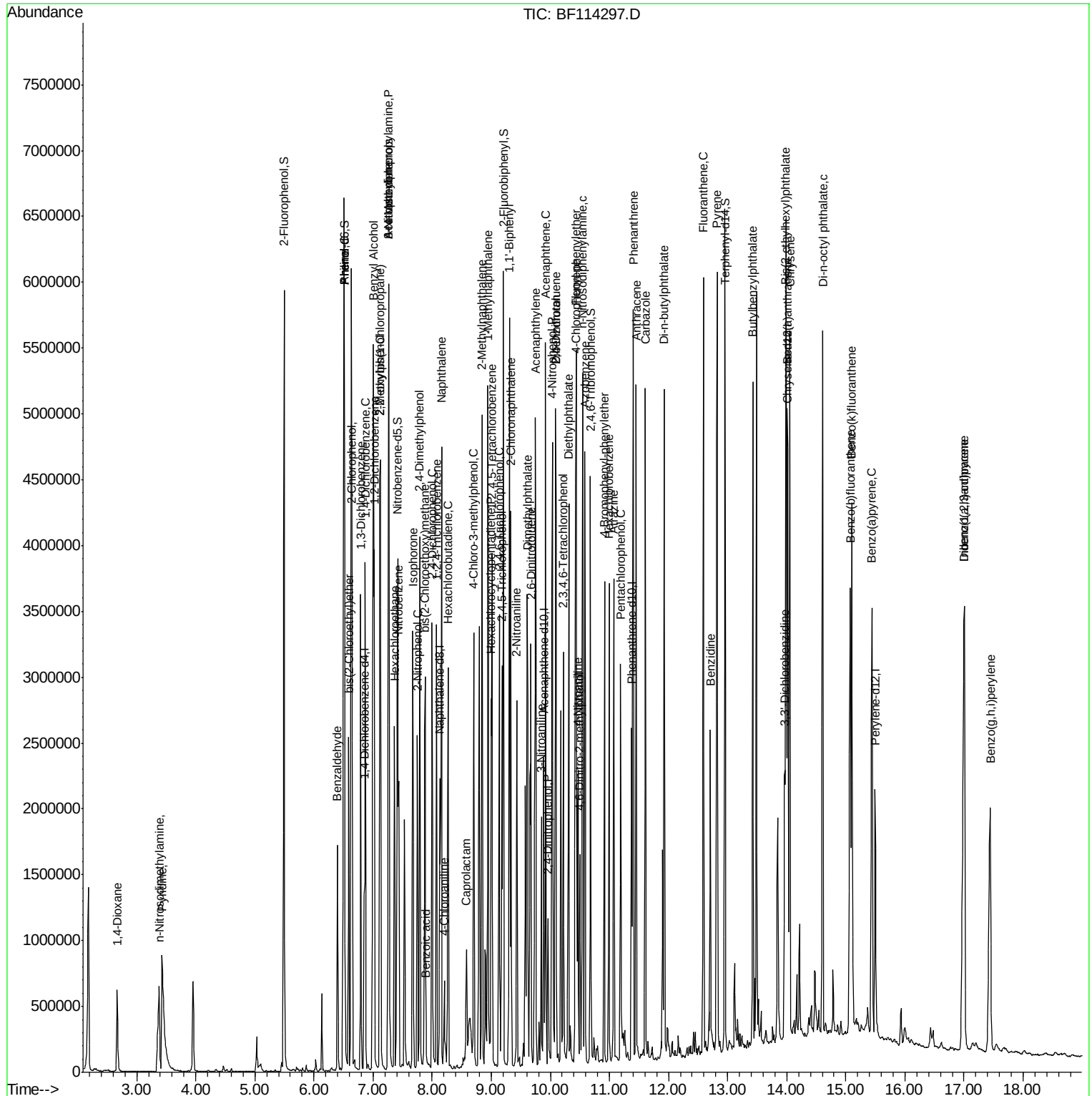
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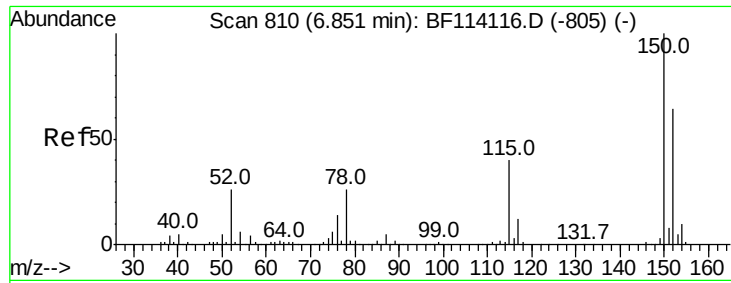
Instrument :
BNA_F
ClientSampleId :
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#1

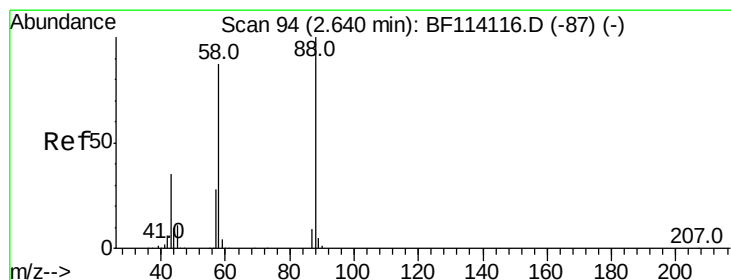
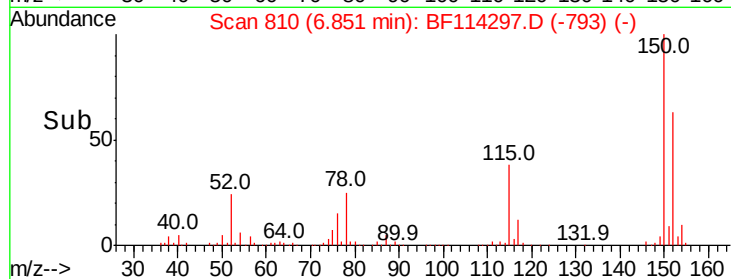
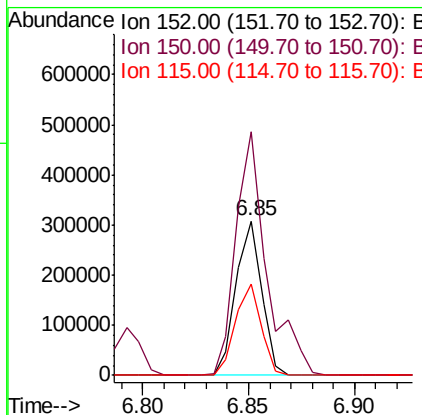
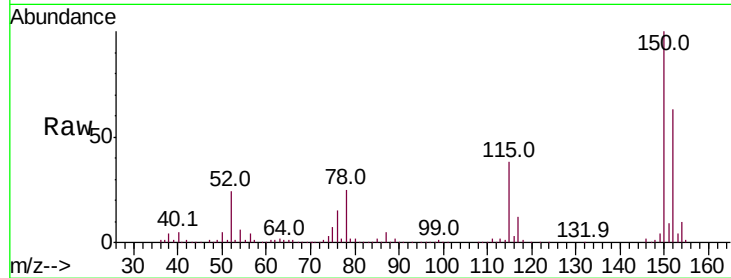
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.3	186.5
115	59.3	49.1	73.7

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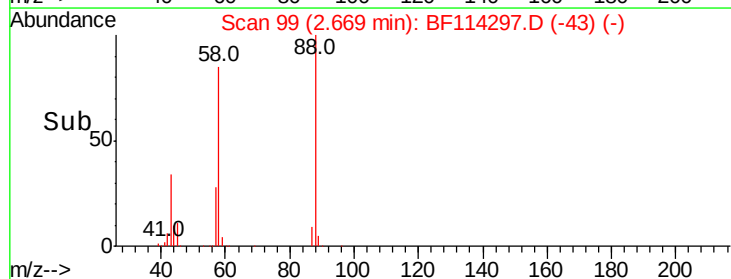
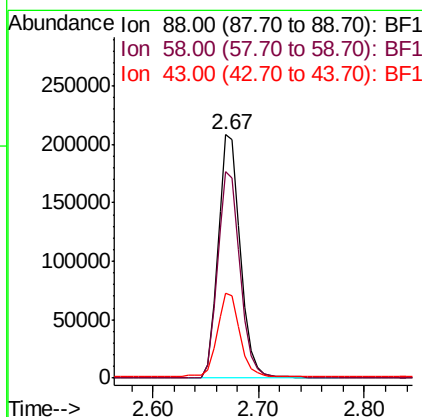
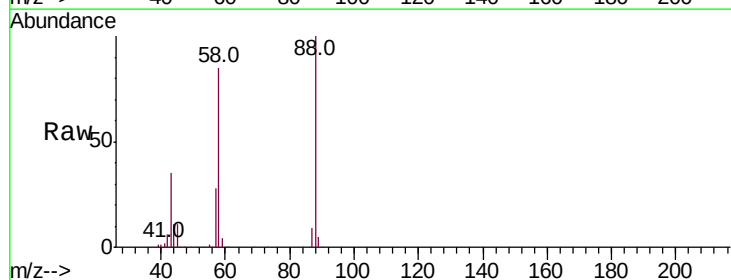
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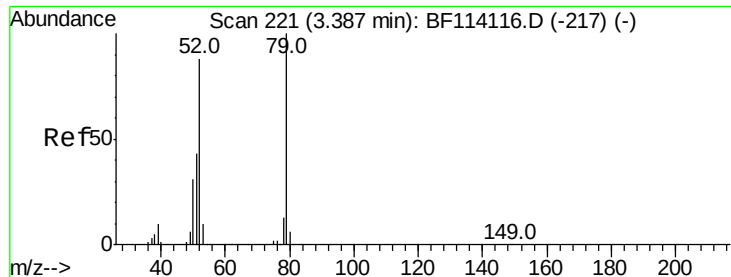


#2

1,4-Dioxane
Concen: 34.602 ng
RT: 2.67 min Scan# 99
Delta R.T. 0.03 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Tgt Ion	Ratio	Lower	Upper
88	100		
58	86.3	68.7	103.1
43	35.6	28.2	42.2





#3

Pvridine

Concen: 34.887 ng

RT: 3.43 min Scan# 229

Delta R.T. 0.05 min

Lab File: BF114297.D

Acq: 15 May 2019 20:59

Instrument :

BNA_F

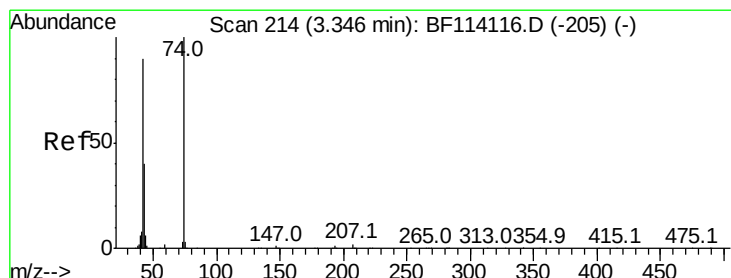
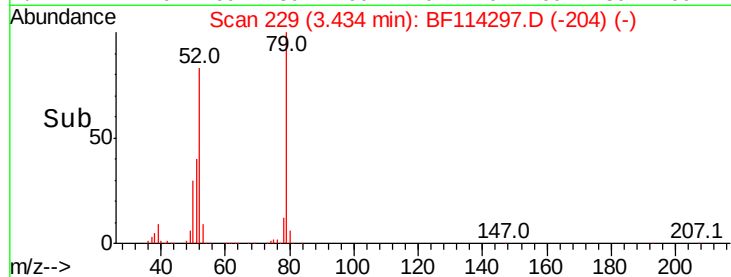
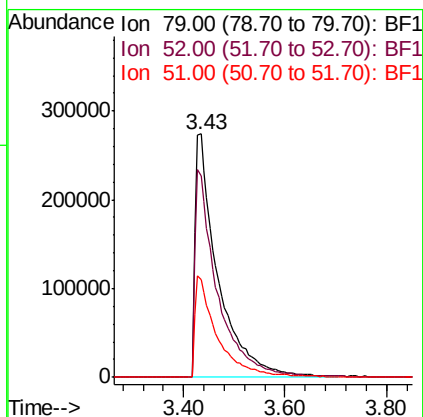
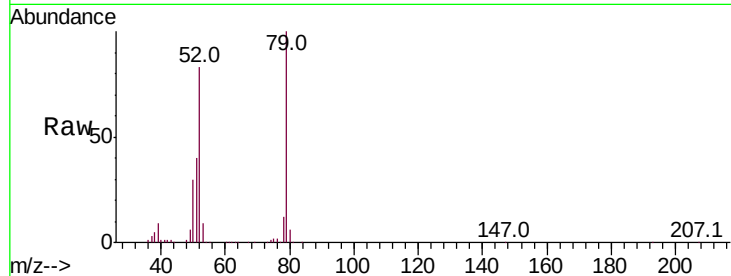
ClientSampleId :

SOIL-COMPMSD

Tot Ion:	79	Resp:	852581
Ion Ratio	Lower	Upper	
79	100		
52	82.7	70.6	105.8
51	39.9	34.2	51.2

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#4

n-Nitrosodimethylamine

Concen: 38.438 ng

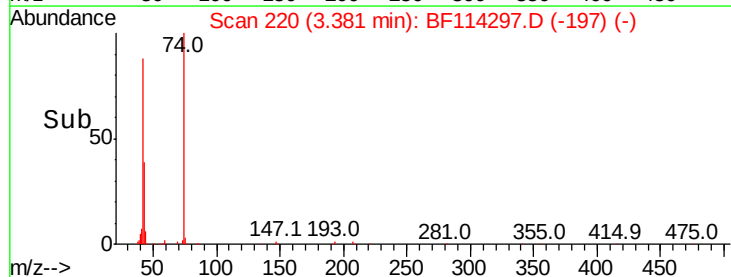
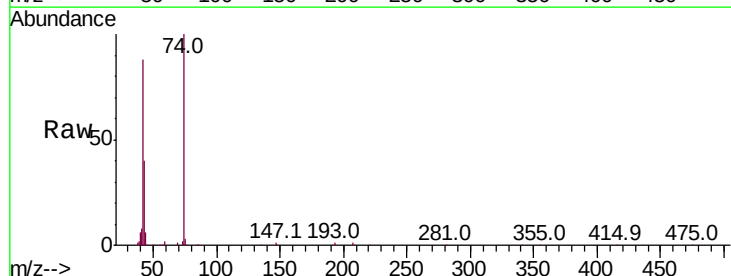
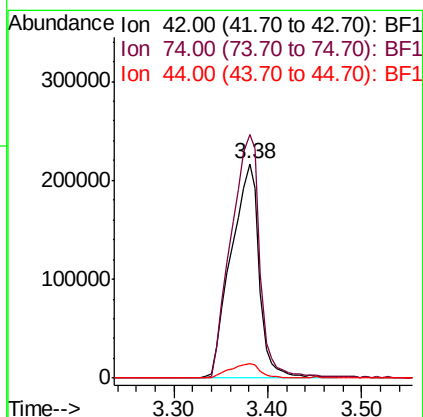
RT: 3.38 min Scan# 220

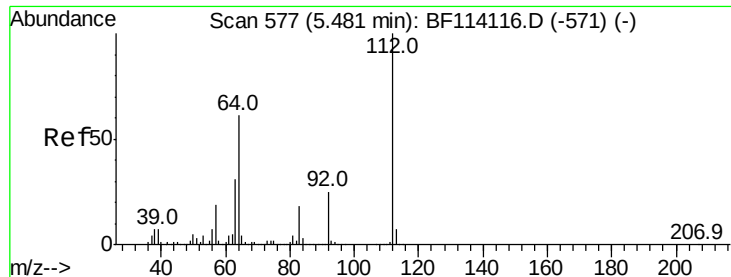
Delta R.T. 0.04 min

Lab File: BF114297.D

Acq: 15 May 2019 20:59

Tgt Ion:	42	Resp:	452980
Ion Ratio	Lower	Upper	
42	100		
74	113.6	88.6	132.8
44	6.9	5.5	8.3





#5

2-Fluorophenol

Concen: 115.251 ng

RT: 5.50 min Scan# 580

Delta R.T. 0.02 min

Lab File: BF114297.D

Acq: 15 May 2019 20:59

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

Tot Ion:112 Resp: 1859803

Ion Ratio Lower Upper

112 100

64 62.7 49.0 73.6

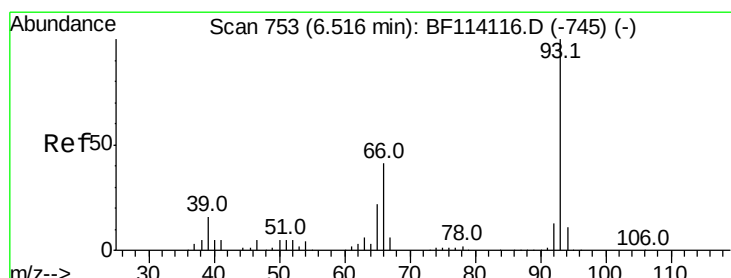
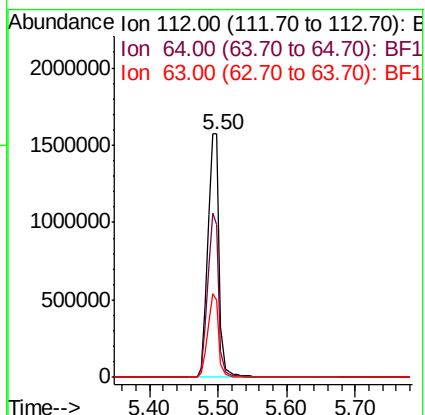
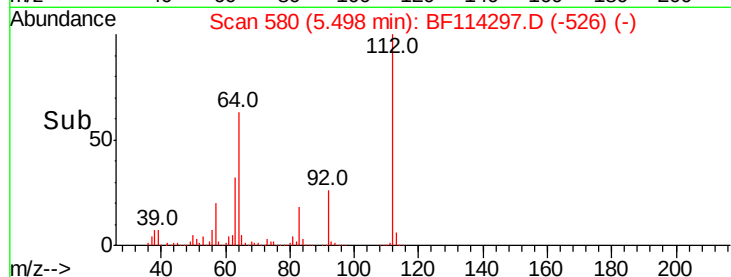
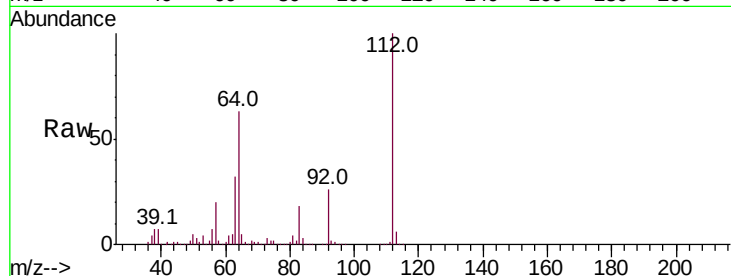
63 31.7 24.6 37.0

Manual Integrations

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5/16/2019 9:51:12 AM



#6

Aniline

Concen: 23.719 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF114297.D

Acq: 15 May 2019 20:59

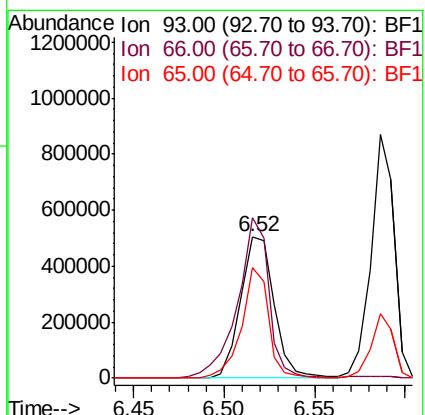
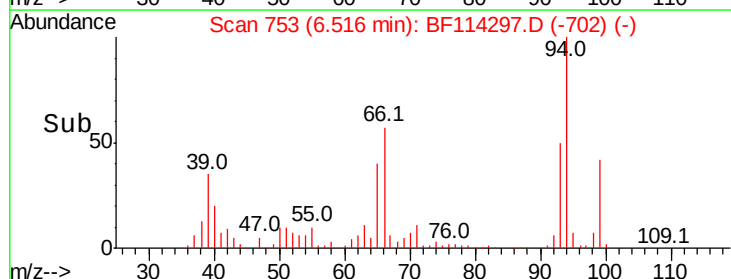
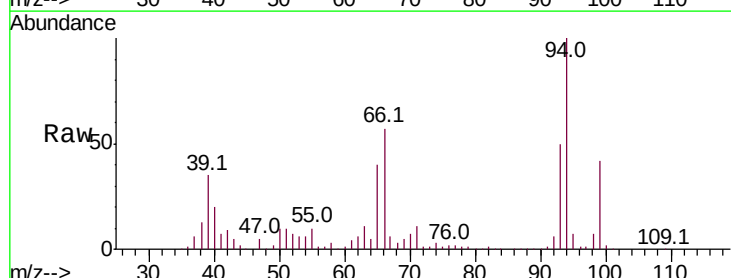
Tgt Ion: 93 Resp: 653939

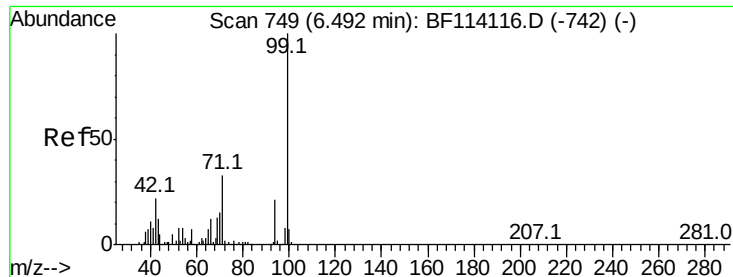
Ion Ratio Lower Upper

93 100

66 113.9 33.2 49.8#

65 78.5 17.6 26.4#





#7

Phenol-d6

Concen: 127.224 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF114297.D

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Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

Tot Ion: 99 Resp: 2428152

Ion Ratio Lower Upper

99 100

42 23.4 17.9 26.9

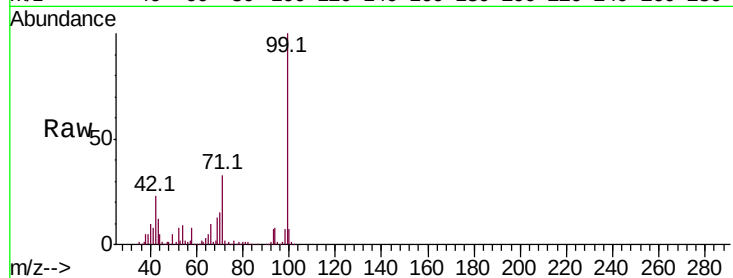
71 33.5 26.2 39.2

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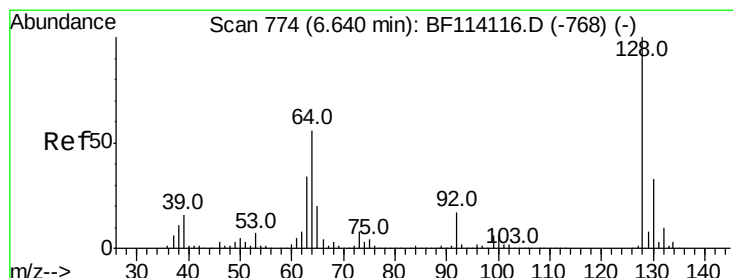
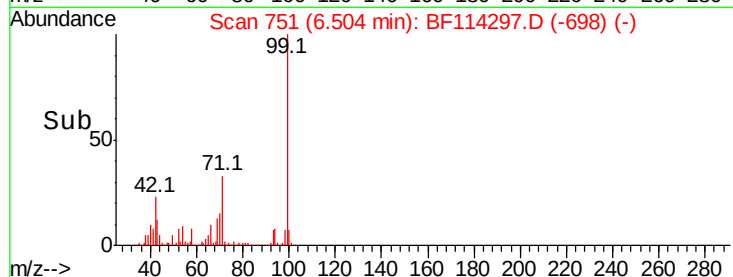
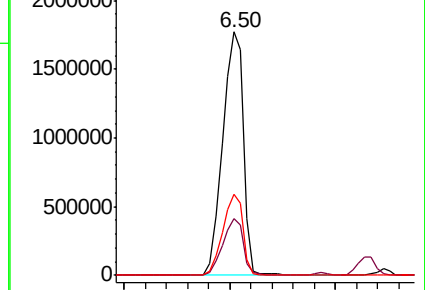
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 44.340 ng

RT: 6.65 min Scan# 775

Delta R.T. 0.01 min

Lab File: BF114297.D

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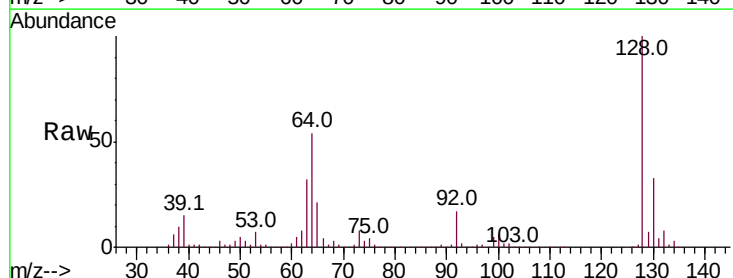
Tgt Ion: 128 Resp: 763857

Ion Ratio Lower Upper

128 100

130 32.6 12.6 52.6

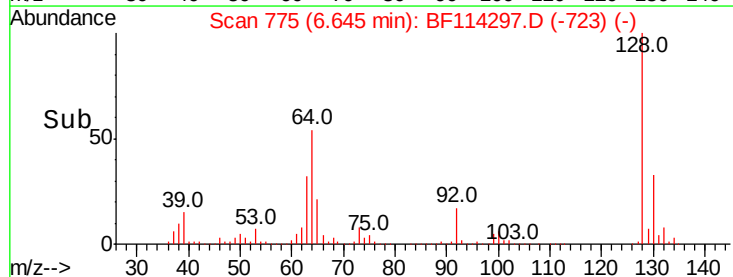
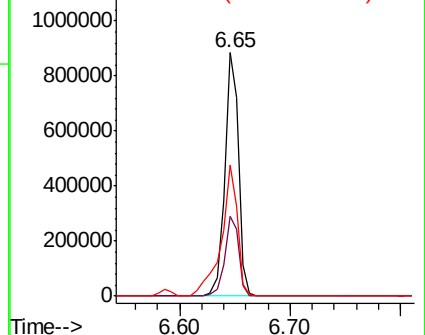
64 54.0 35.9 75.9

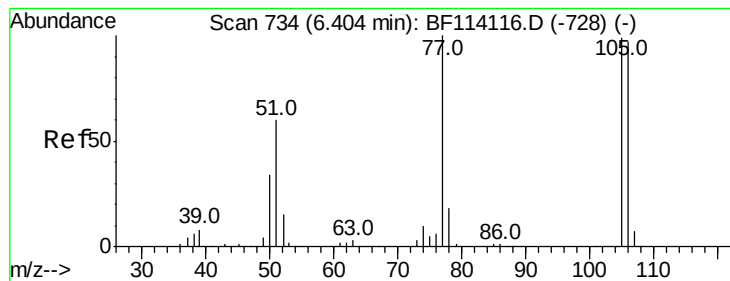


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 24.792 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF114297.D

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Instrument :

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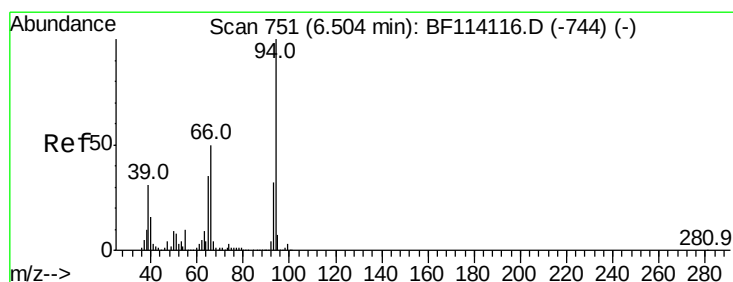
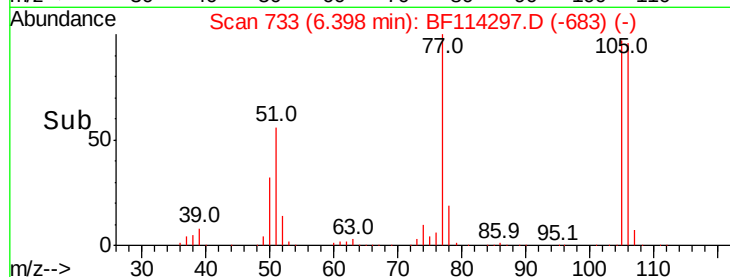
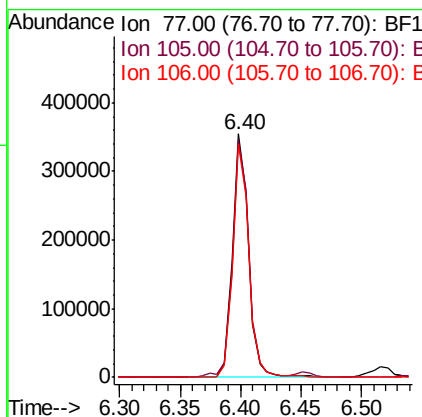
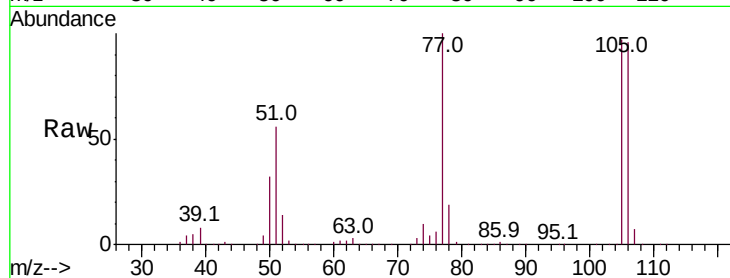
ClientSampleId :

SOIL-COMPMSD

Tot Ion:	77	Resp:	331259
Ion Ratio	Lower	Upper	
77	100		
105	97.5	79.3	119.3
106	96.1	77.0	117.0

Manual Integrations
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#10

Phenol

Concen: 42.400 ng

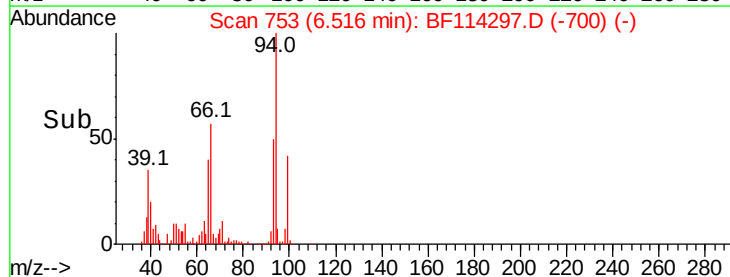
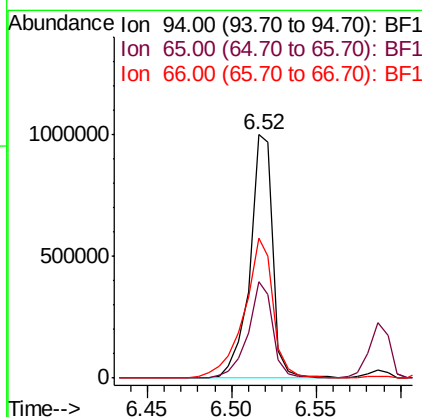
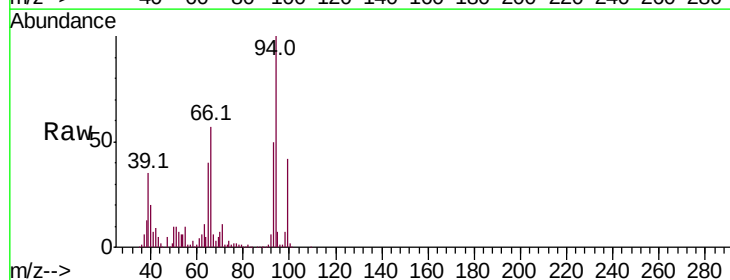
RT: 6.52 min Scan# 753

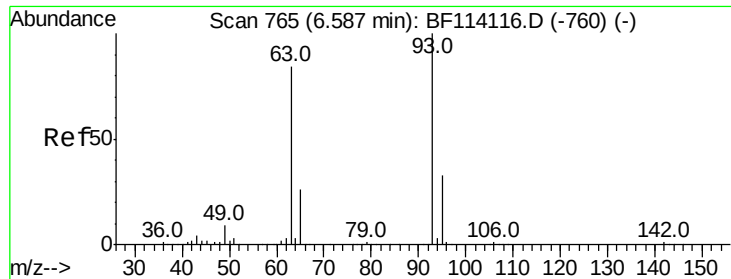
Delta R.T. 0.01 min

Lab File: BF114297.D

Acq: 15 May 2019 20:59

Tgt Ion:	94	Resp:	951961
Ion Ratio	Lower	Upper	
94	100		
65	39.6	14.7	54.7
66	57.5	29.6	69.6





#11

bis(2-Chloroethyl)ether

Concen: 44.882 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.00 min

Lab File: BF114297.D

Acq: 15 May 2019 20:59

Instrument :

BNA_F

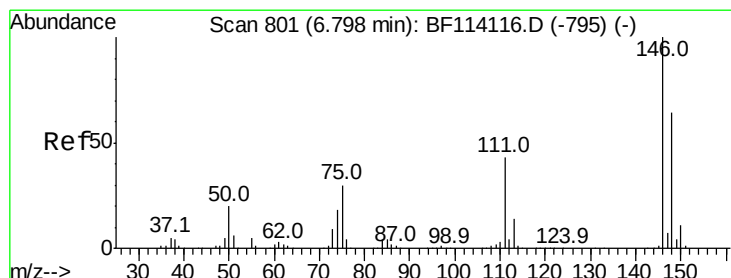
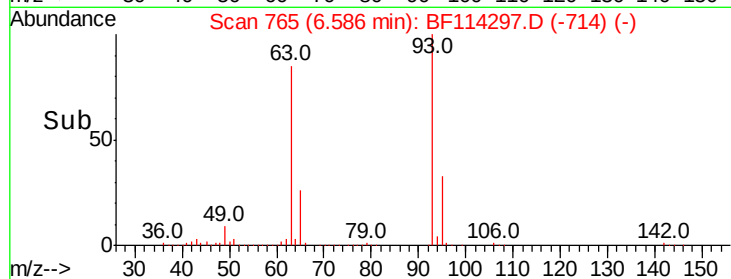
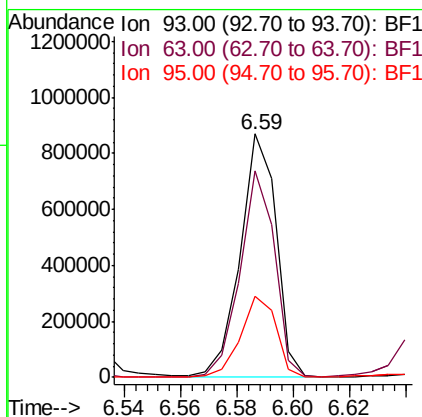
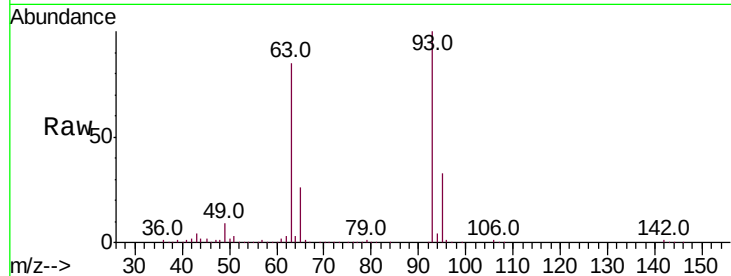
ClientSampleId :

SOIL-COMPMSD

Tot Ion:	93	Resp:	765026
Ion Ratio	Lower	Upper	
93	100		
63	84.6	63.6	103.6
95	33.4	13.1	53.1

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#12

1,3-Dichlorobenzene

Concen: 40.268 ng

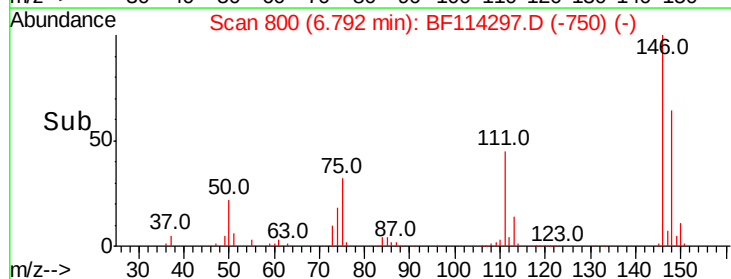
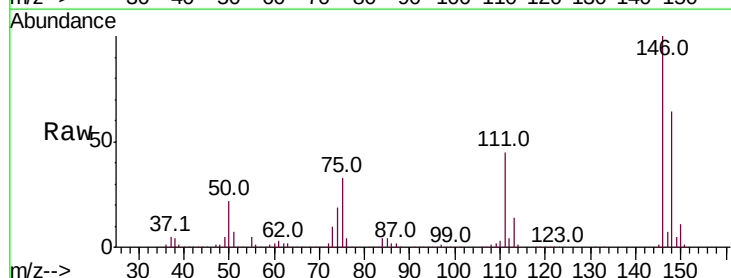
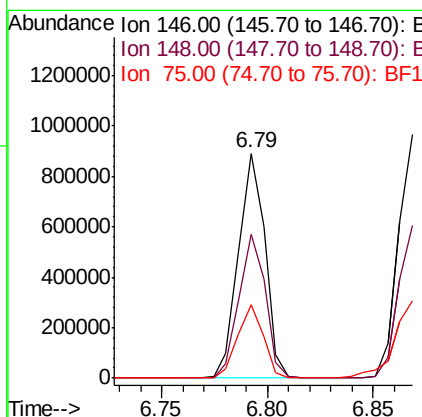
RT: 6.79 min Scan# 800

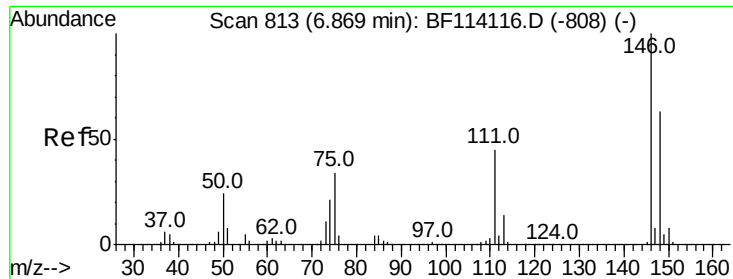
Delta R.T. -0.01 min

Lab File: BF114297.D

Acq: 15 May 2019 20:59

Tgt Ion:	146	Resp:	778675
Ion Ratio	Lower	Upper	
146	100		
148	63.9	51.6	77.4
75	32.6	24.2	36.2





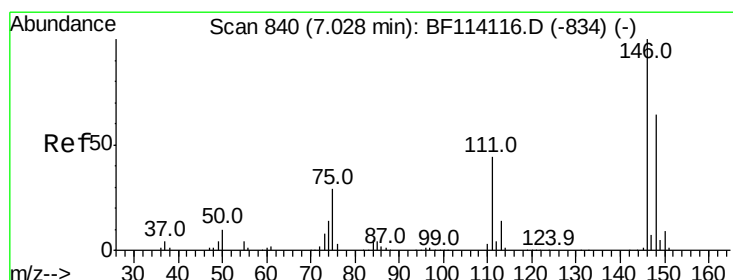
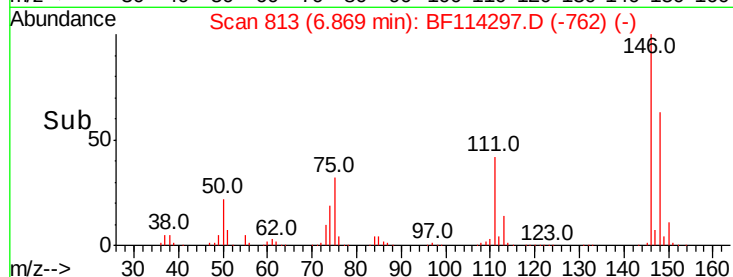
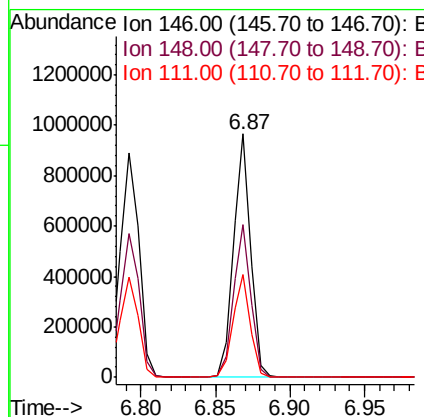
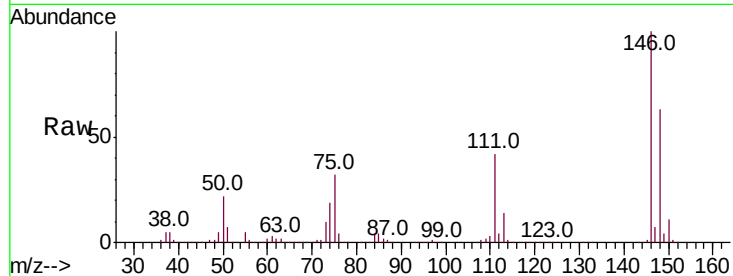
#13
 1,4-Dichlorobenzene
 Concen: 40.452 ng
 RT: 6.87 min Scan# 813
 Delta R.T. -0.00 min
 Lab File: BF114297.D
 Acq: 15 May 2019 20:59

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.9	50.2	75.2
111	42.4	35.8	53.6

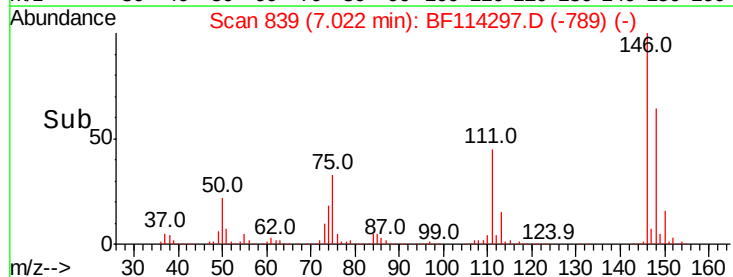
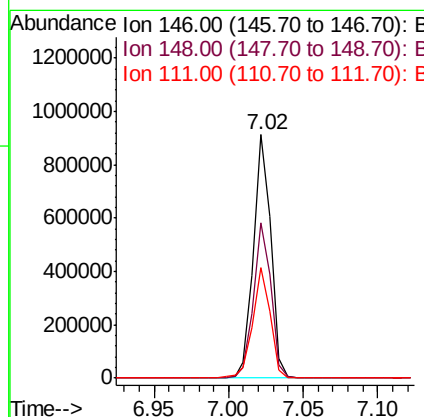
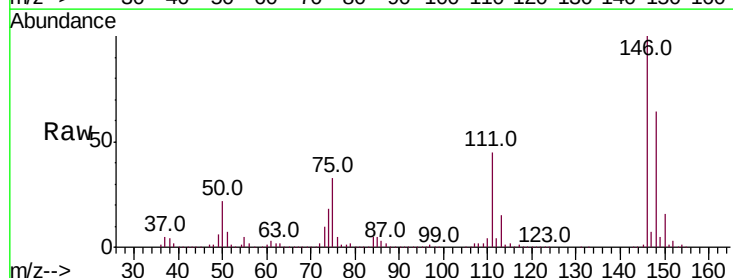
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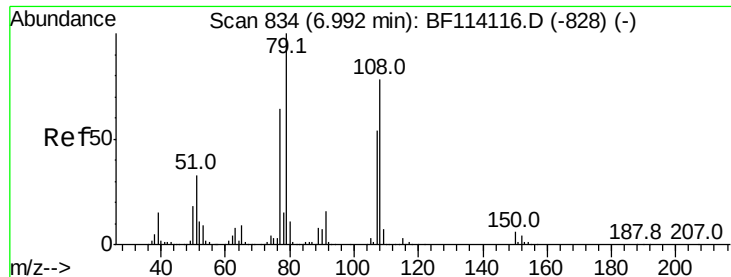
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#14
 1,2-Dichlorobenzene
 Concen: 40.937 ng
 RT: 7.02 min Scan# 839
 Delta R.T. -0.01 min
 Lab File: BF114297.D
 Acq: 15 May 2019 20:59

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.1	76.7
111	45.4	35.3	52.9





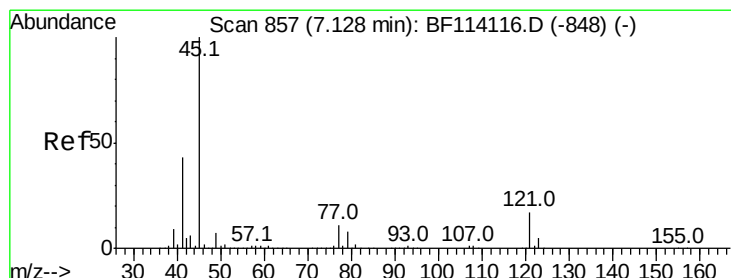
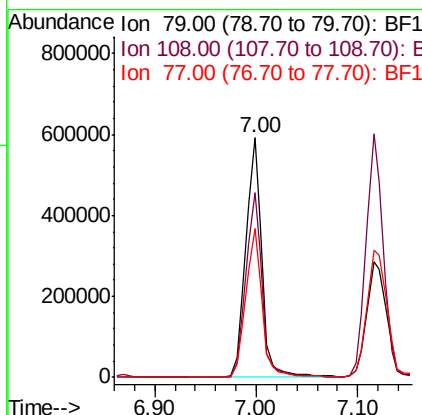
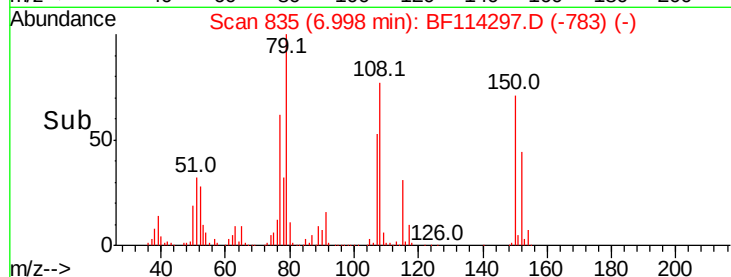
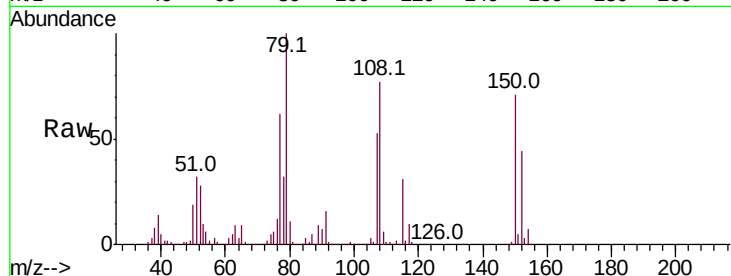
#15
Benzyl Alcohol
Concen: 43.935 ng
RT: 7.00 min Scan# 835
Delta R.T. 0.01 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	77.4	62.1	93.1
77	62.0	51.0	76.6

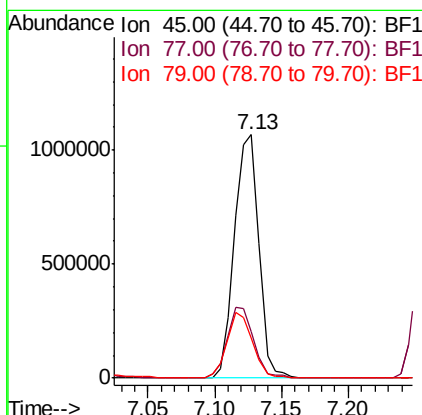
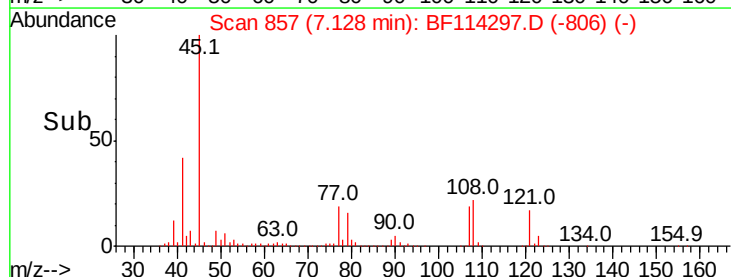
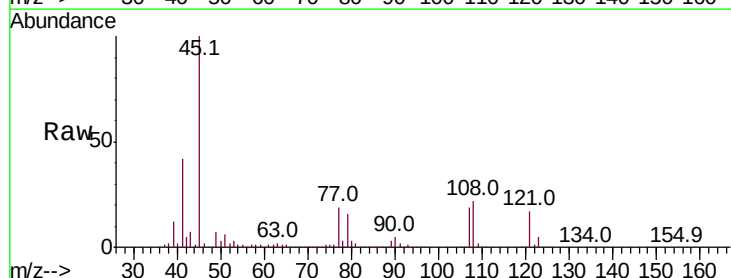
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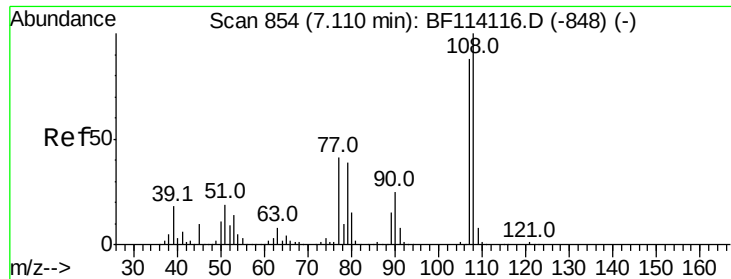
mohammad
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.257 ng
RT: 7.13 min Scan# 857
Delta R.T. -0.00 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Tgt Ion	Ratio	Lower	Upper
45	100		
77	19.1	0.0	31.1
79	16.4	0.0	28.4





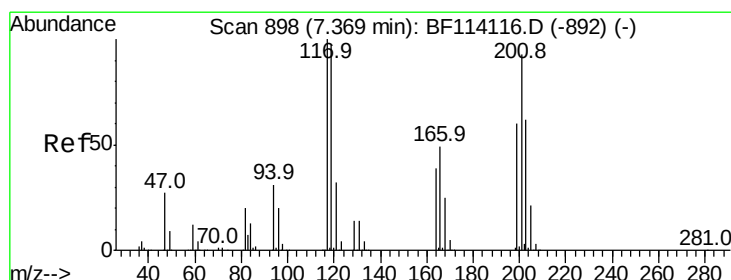
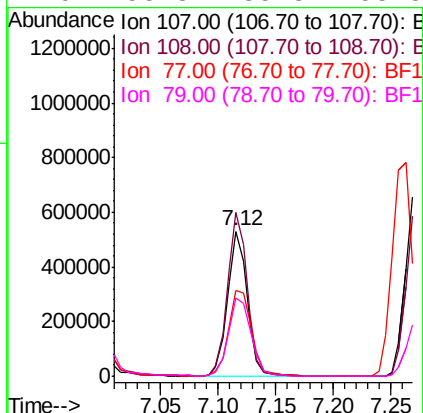
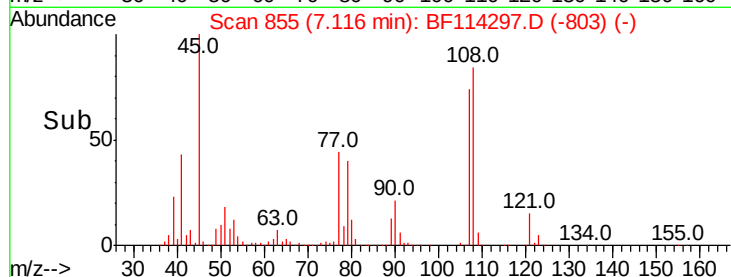
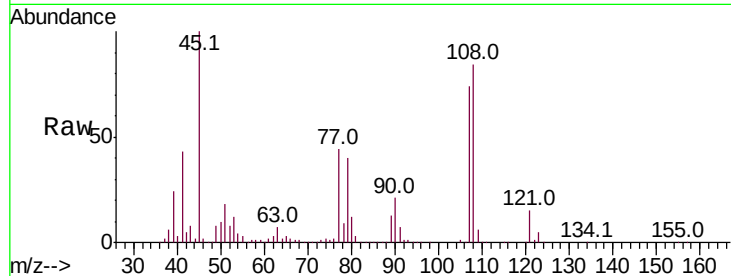
#17
2-Methylphenol
Concen: 44.188 ng
RT: 7.12 min Scan# 855
Delta R.T. 0.01 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	113.4	90.5	135.7	
77	58.9	37.0	55.4	
79	53.8	35.8	53.8	

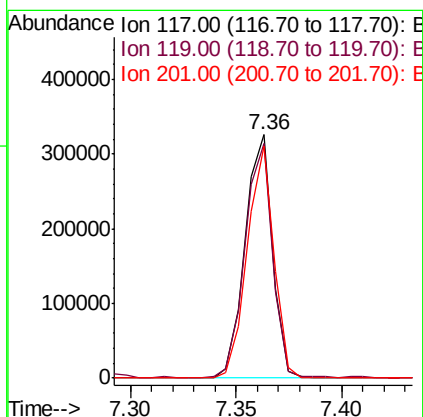
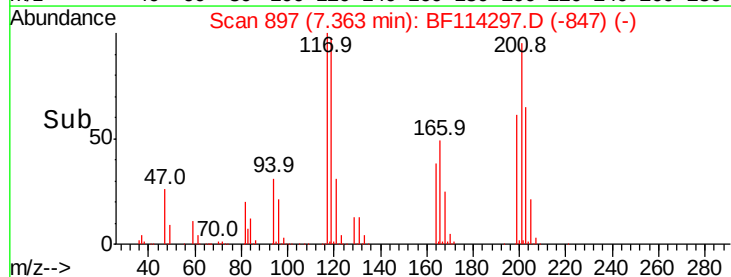
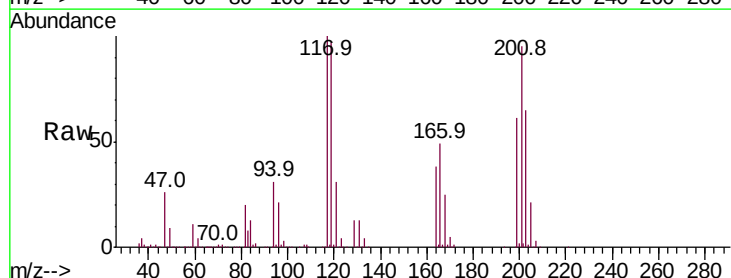
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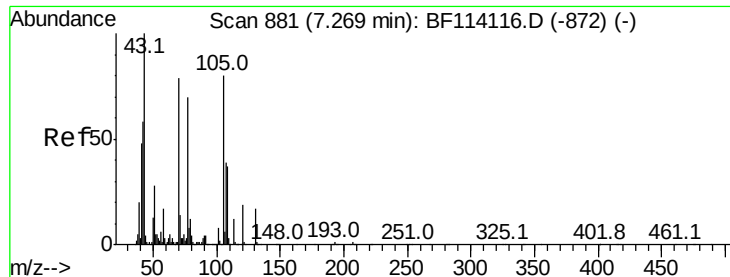
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#18
Hexachloroethane
Concen: 40.087 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.6	77.4	116.2	
201	95.4	74.5	111.7	





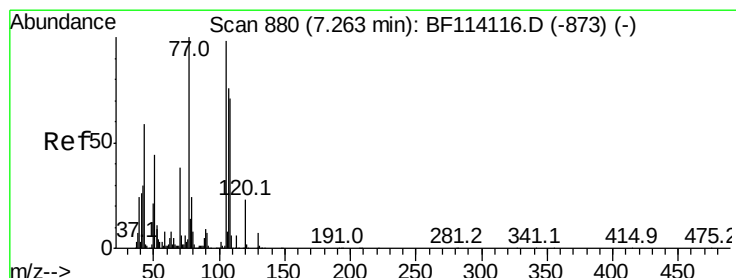
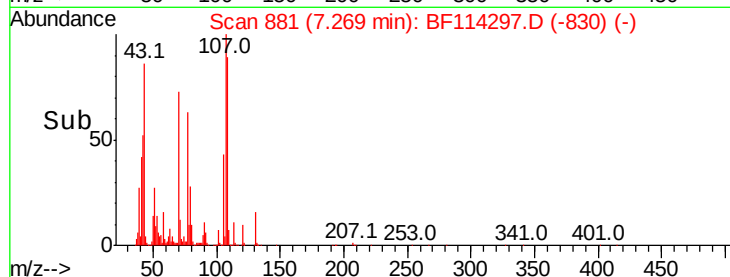
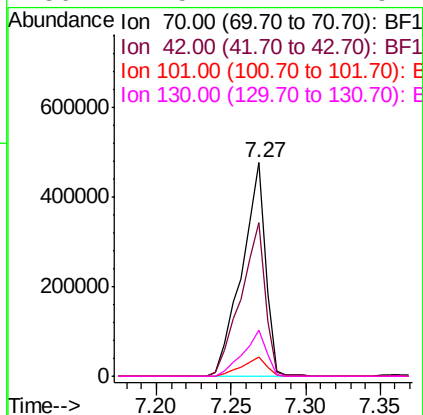
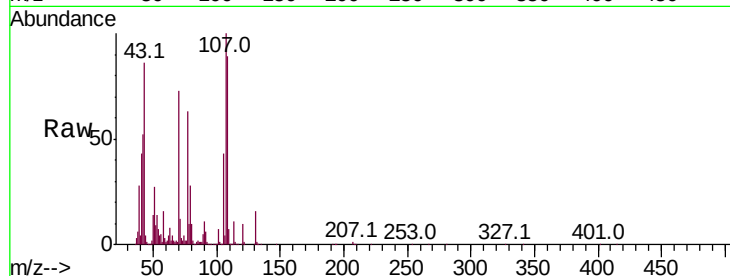
#19
n-Nitroso-di-n-propylamine
Concen: 43.716 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.00 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	71.7	58.6	87.8	
101	9.3	7.8	11.8	
130	21.5	17.1	25.7	

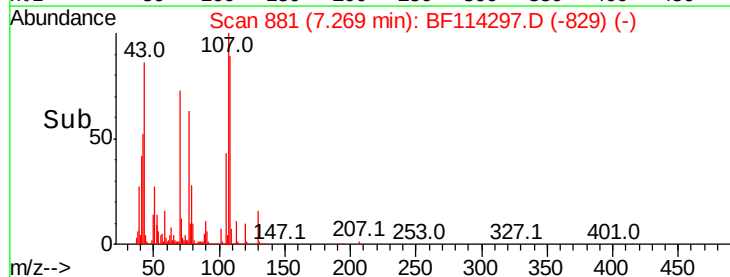
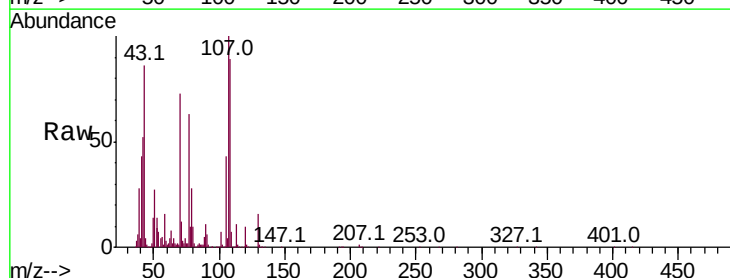
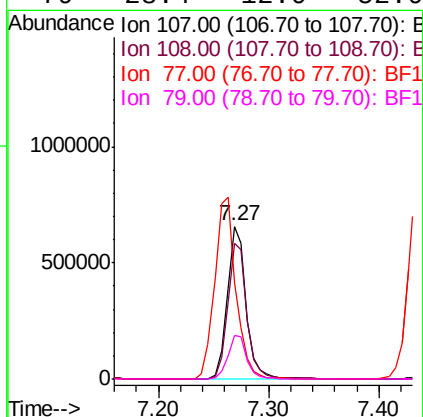
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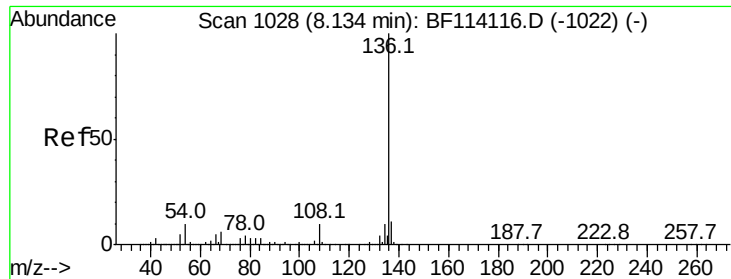
mohammad
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#20
3+4-Methylphenols
Concen: 47.371 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.01 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	88.8	73.8	113.8	
77	62.6	111.5	151.5#	
79	28.4	12.0	52.0	





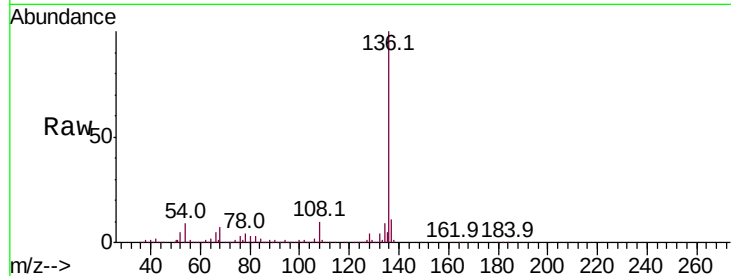
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	1006998		
137	11.1		8.8	13.2
54	9.5		7.8	11.8
68	6.6		5.1	7.7

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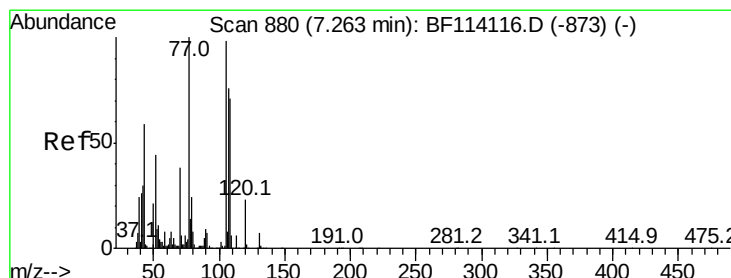
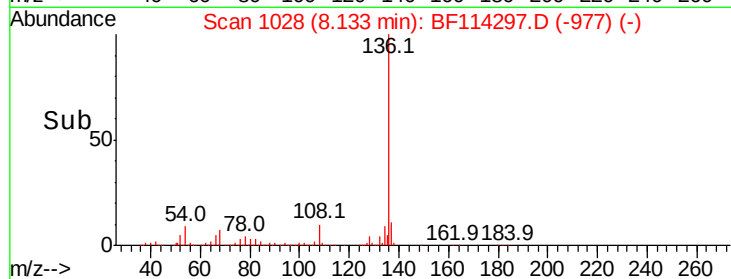
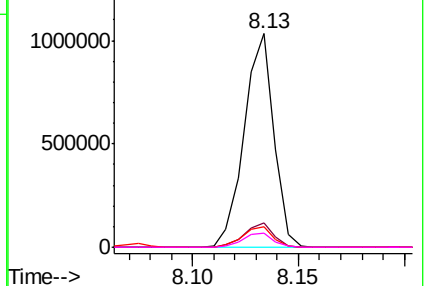
Abundance

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: 45.697 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1019417		
71	4.0		5.3	7.9#
51	35.1		36.2	54.4#
120	22.8		18.6	28.0

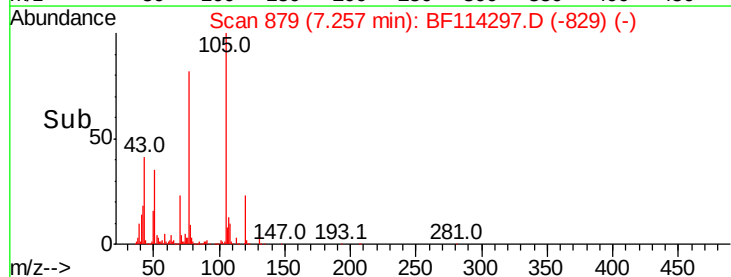
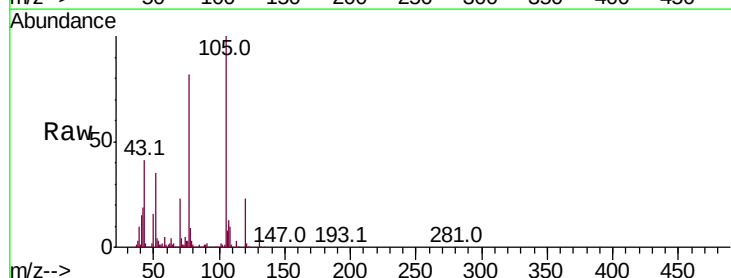
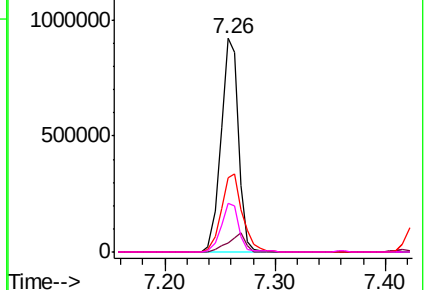
Abundance

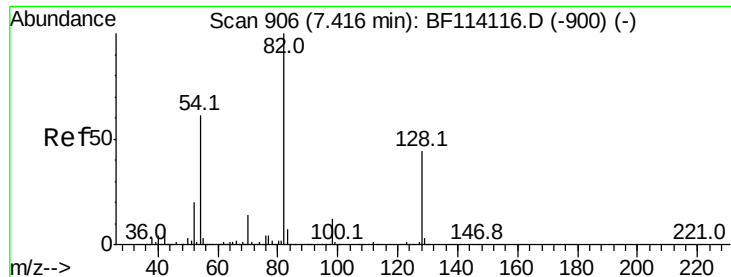
Ion 105.00 (104.70 to 105.70): E

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





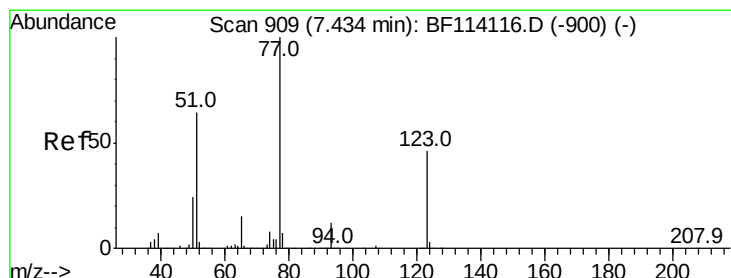
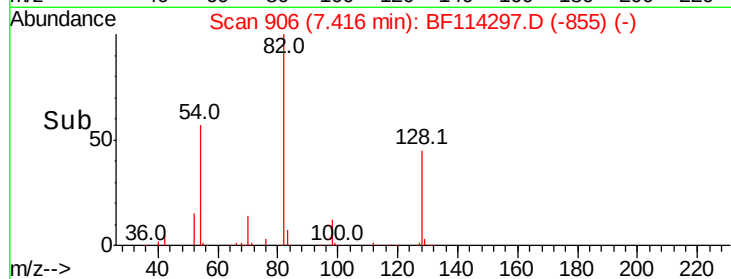
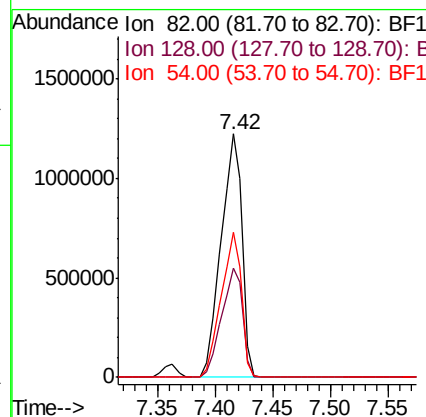
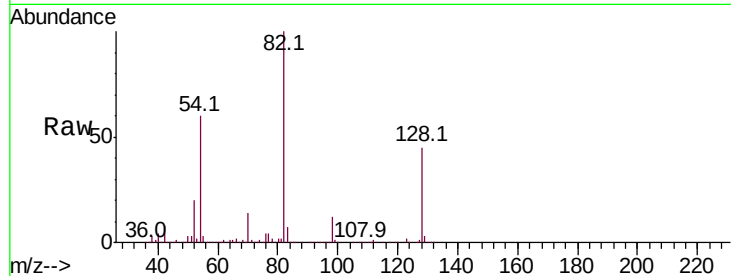
#23
 Nitrobenzene-d5
 Concen: 85.513 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.00 min
 Lab File: BF114297.D
 Acq: 15 May 2019 20:59

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMSD

Tot Ion: 82 Resp: 1534409
 Ion Ratio Lower Upper
 82 100
 128 44.8 35.5 53.3
 54 59.5 48.5 72.7

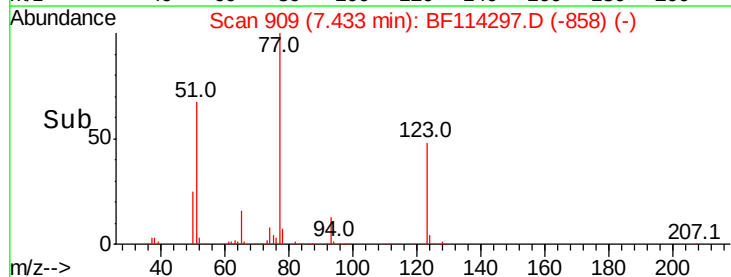
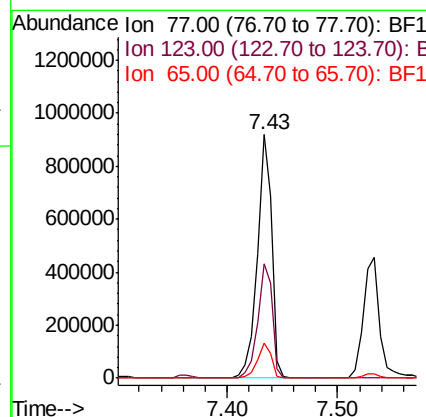
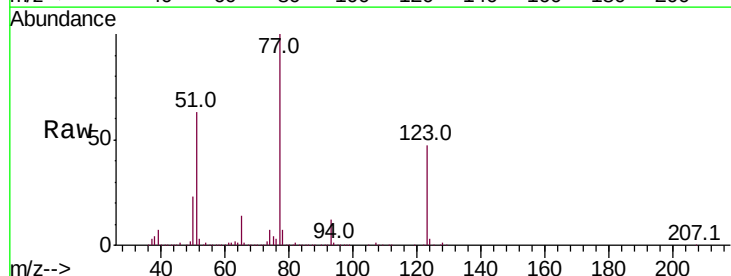
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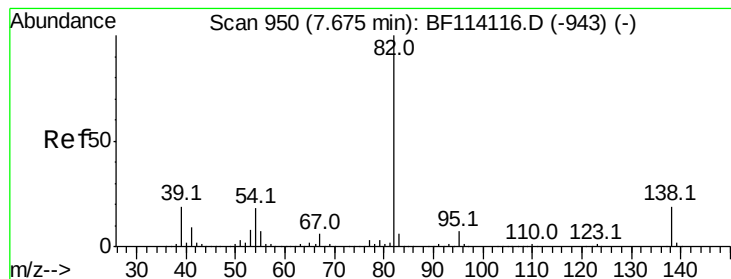
mohammad
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#24
 Nitrobenzene
 Concen: 45.900 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.00 min
 Lab File: BF114297.D
 Acq: 15 May 2019 20:59

Tgt Ion: 77 Resp: 838848
 Ion Ratio Lower Upper
 77 100
 123 46.9 36.9 55.3
 65 14.3 11.8 17.6





#25

Isophorone

Concen: 46.032 ng

RT: 7.67 min Scan# 950

Delta R.T. -0.00 min

Lab File: BF114297.D

Acq: 15 May 2019 20:59

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

Tot Ion: 82 Resp: 1531868

Ion Ratio Lower Upper

82 100

95 7.1 5.6 8.4

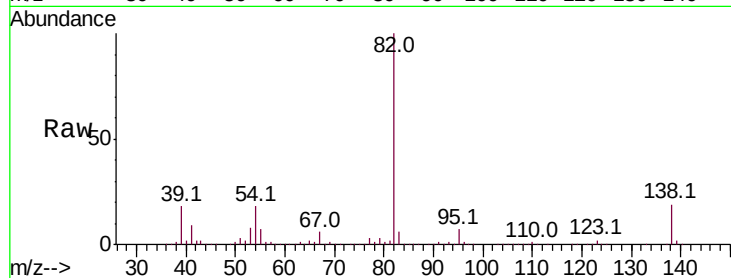
138 19.0 14.8 22.2

Manual Integrations

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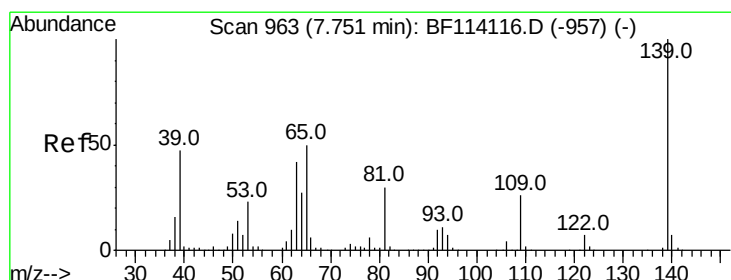
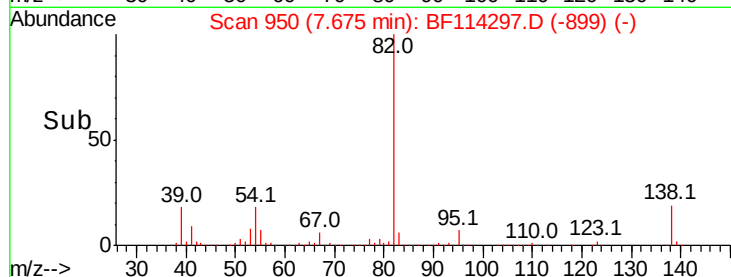
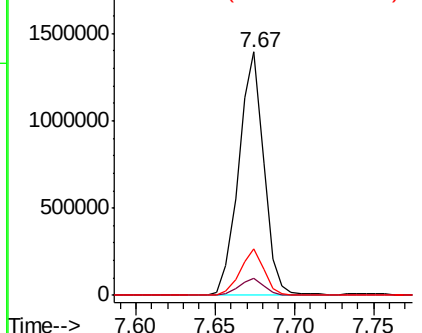
5/16/2019 9:51:12 AM



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 49.190 ng

RT: 7.75 min Scan# 963

Delta R.T. -0.00 min

Lab File: BF114297.D

Acq: 15 May 2019 20:59

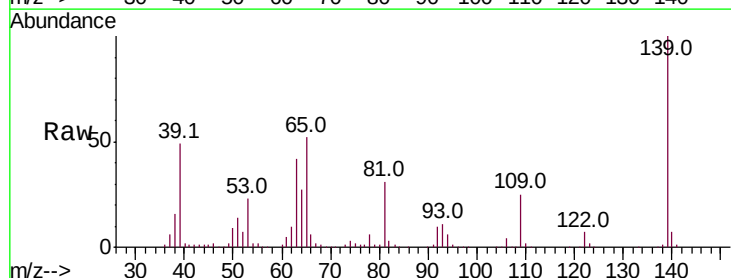
Tgt Ion: 139 Resp: 436151

Ion Ratio Lower Upper

139 100

109 25.5 20.7 31.1

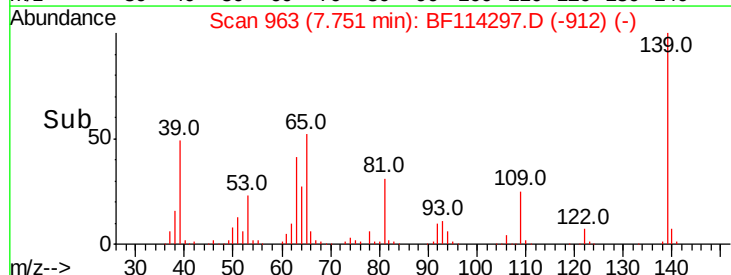
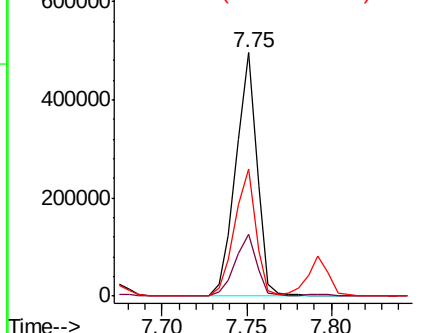
65 52.4 40.2 60.2

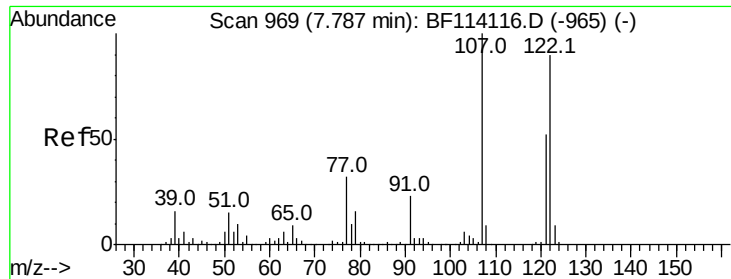


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





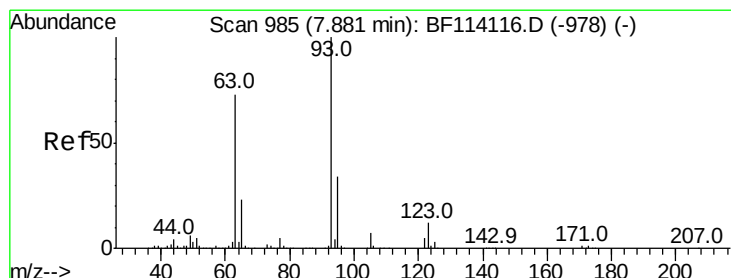
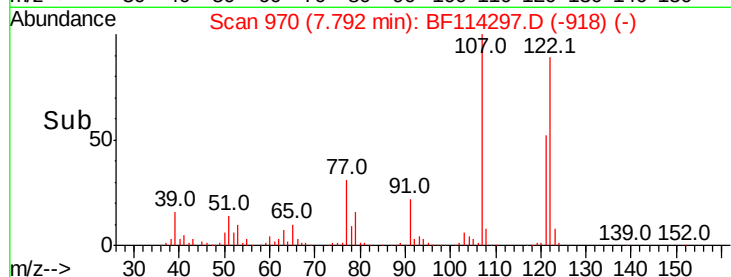
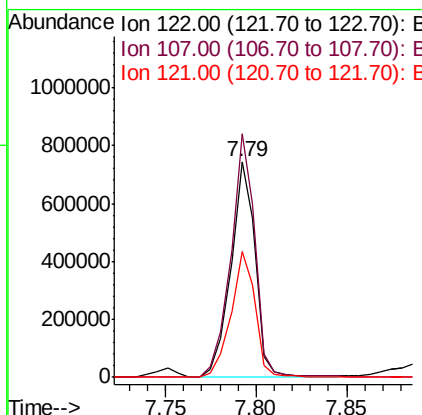
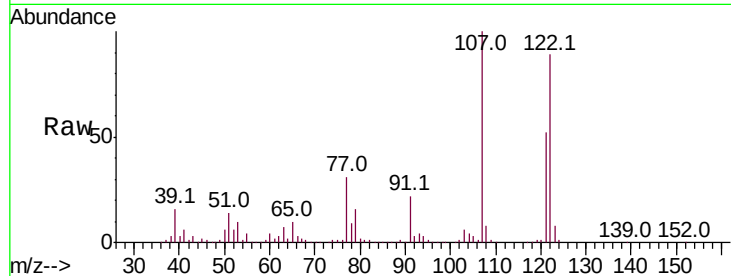
#27
2,4-Dimethylphenol
Concen: 50.272 ng
RT: 7.79 min Scan# 970
Delta R.T. 0.01 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	112.8	88.4	132.6
121	58.1	45.9	68.9

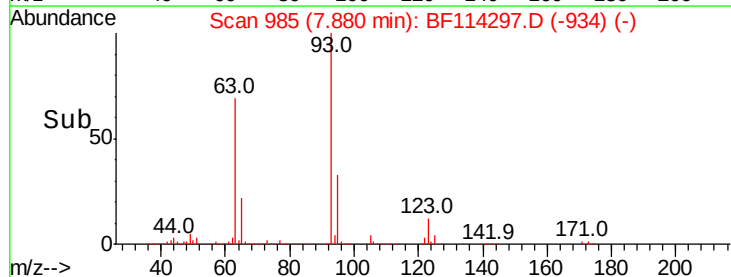
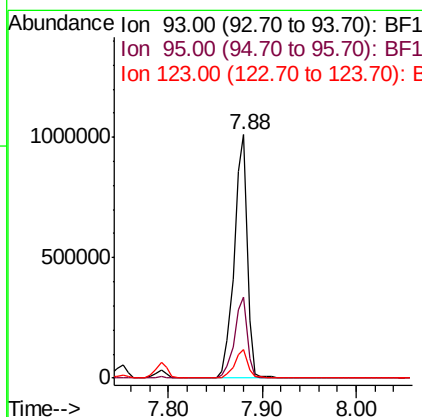
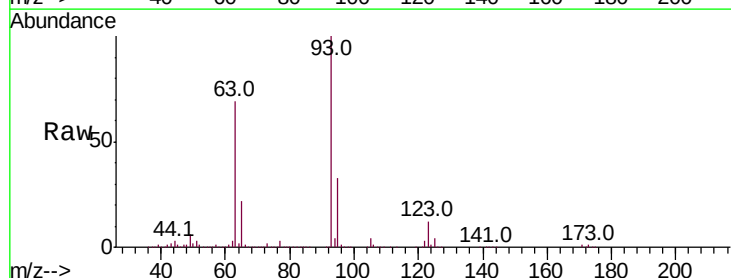
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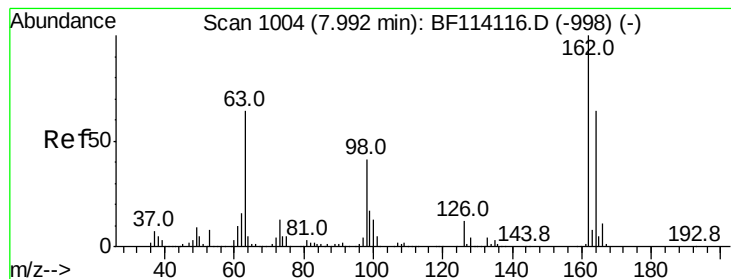
mohammad
5/16/2019 9:51:12 AM



#28
bis(2-Chloroethoxy)methane
Concen: 45.031 ng
RT: 7.88 min Scan# 985
Delta R.T. -0.00 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.4	26.8	40.2
123	11.6	9.5	14.3





#29

2,4-Dichlorophenol

Concen: 46.456 ng

RT: 8.00 min Scan# 1005

Delta R.T. 0.01 min

Lab File: BF114297.D

Acq: 15 May 2019 20:59

Instrument :

BNA_F

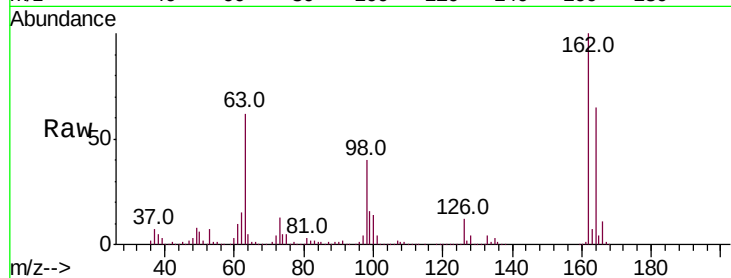
ClientSampleId :

SOIL-COMPMSD

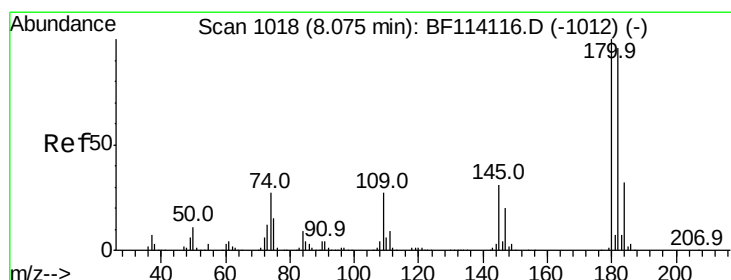
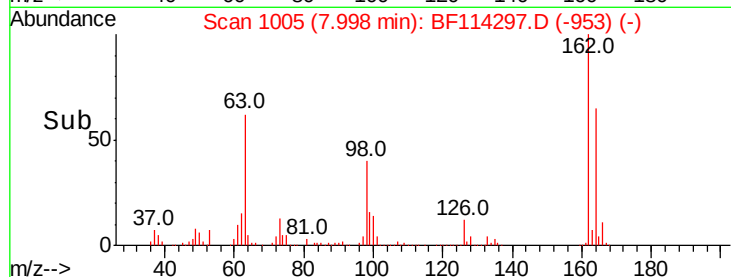
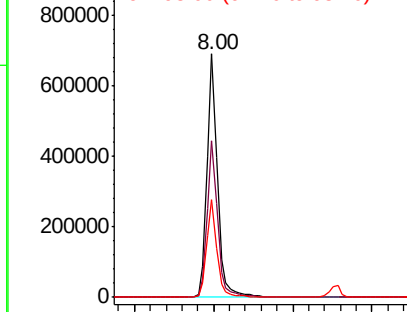
Tot Ion:	162	Resp:	644202
Ion Ratio	Lower	Upper	
162	100		
164	64.5	43.6	83.6
98	40.3	20.6	60.6

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Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1



#30

1,2,4-Trichlorobenzene

Concen: 42.460 ng

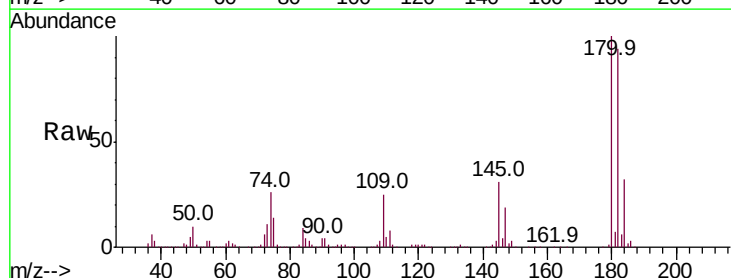
RT: 8.07 min Scan# 1018

Delta R.T. -0.00 min

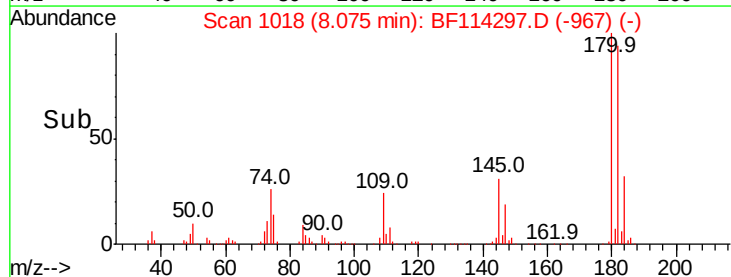
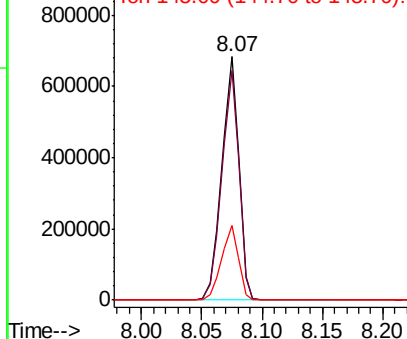
Lab File: BF114297.D

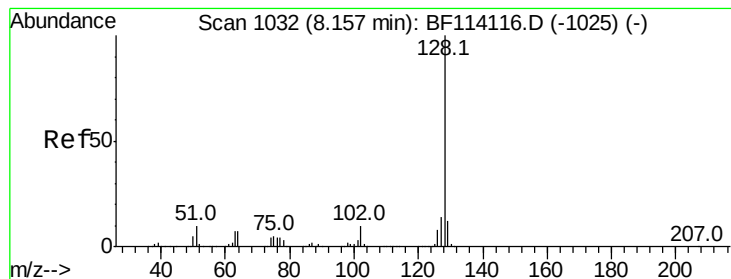
Acq: 15 May 2019 20:59

Tgt Ion:	180	Resp:	669528
Ion Ratio	Lower	Upper	
180	100		
182	94.2	76.6	114.8
145	30.5	25.1	37.7



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 46.744 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BF114297.D

Acq: 15 May 2019 20:59

Instrument :

BNA_F

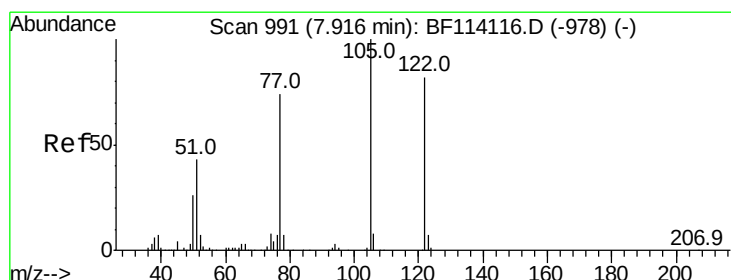
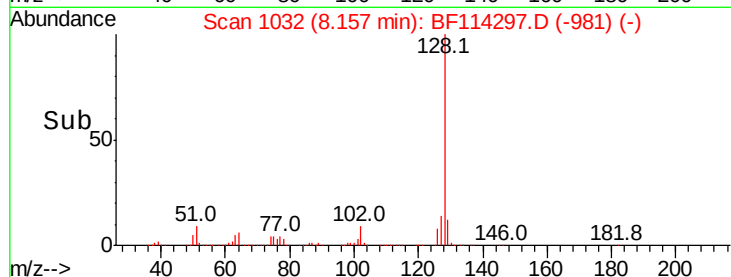
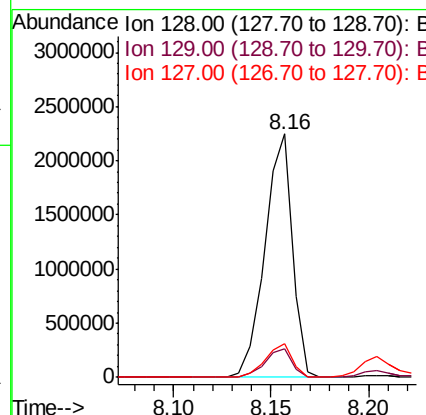
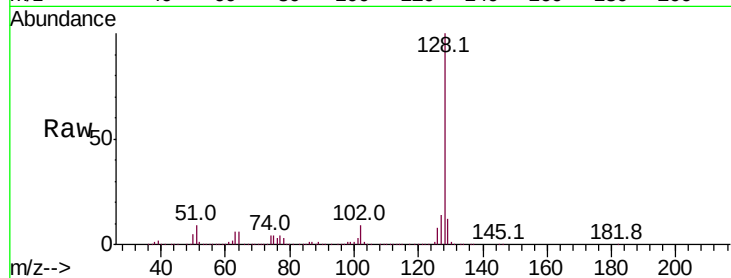
ClientSampleId :

SOIL-COMPMSD

Tot Ion:	128	Resp:	2198747
Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.6	14.4
127	13.8	11.3	16.9

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#32

Benzoic acid

Concen: 16.403 ng

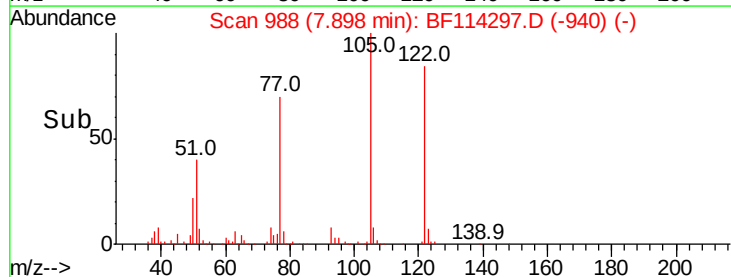
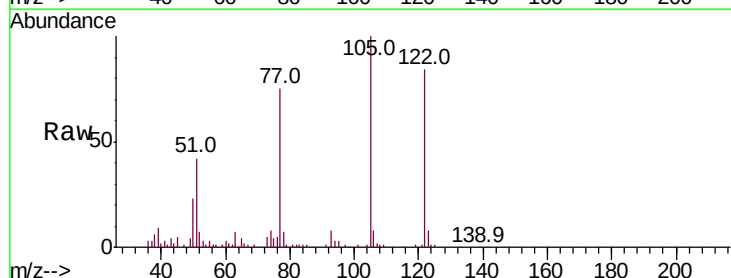
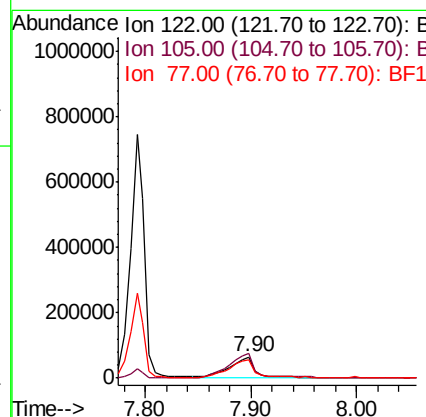
RT: 7.90 min Scan# 988

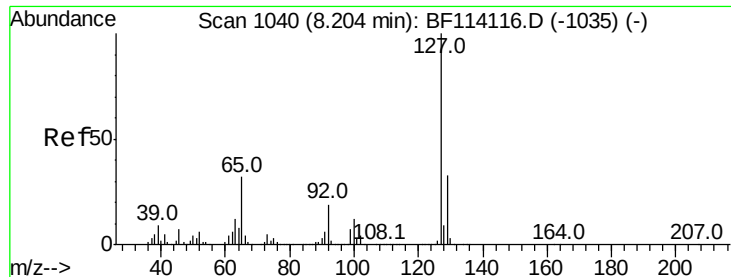
Delta R.T. -0.02 min

Lab File: BF114297.D

Acq: 15 May 2019 20:59

Tgt Ion:	122	Resp:	109127
Ion	Ratio	Lower	Upper
122	100		
105	119.4	99.9	139.9
77	89.3	69.4	109.4





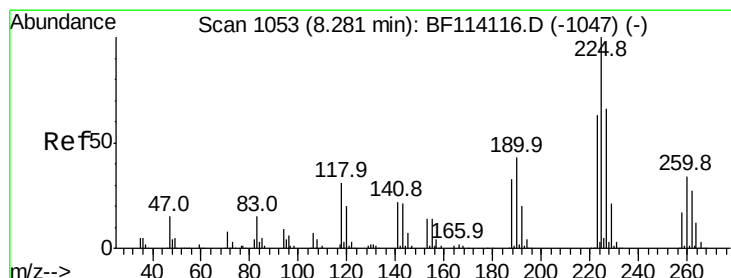
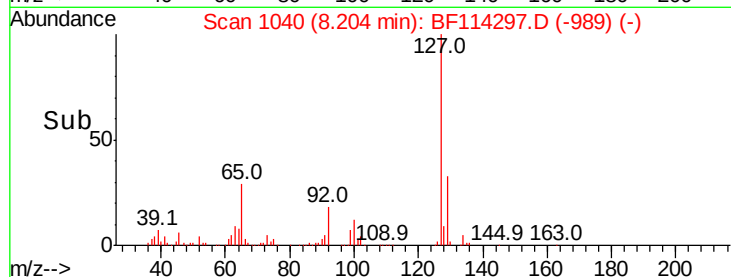
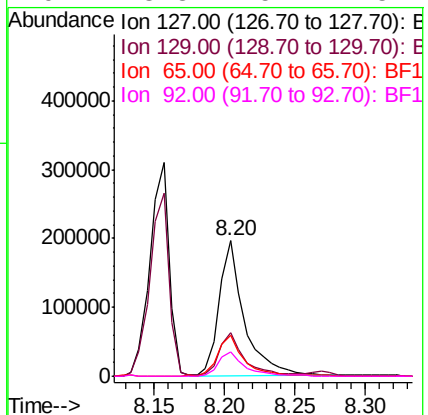
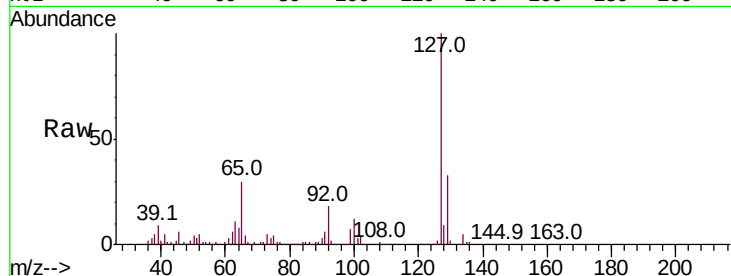
#33
4-Chloroaniline
Concen: 11.266 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	32.5	26.7	40.1	
65	30.0	25.4	38.0	
92	18.3	15.4	23.2	

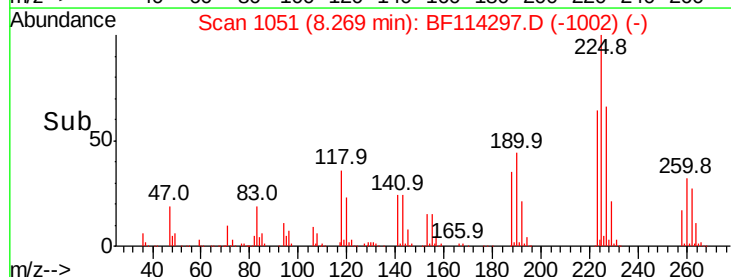
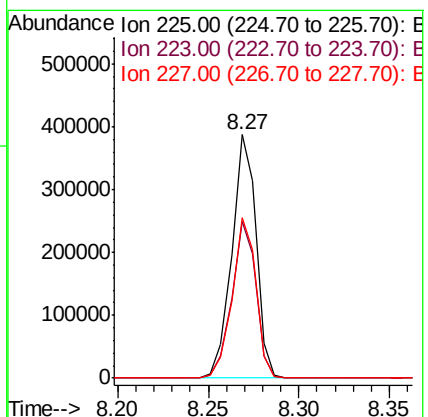
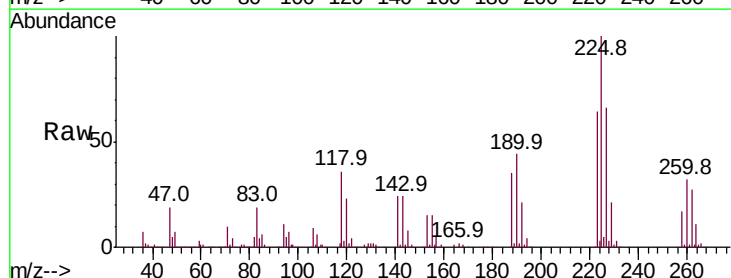
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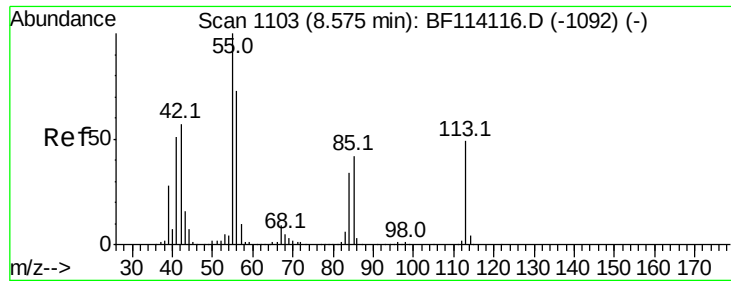
mohammad
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#34
Hexachlorobutadiene
Concen: 40.204 ng
RT: 8.27 min Scan# 1051
Delta R.T. -0.01 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.1	50.2	75.2	
227	65.8	52.6	79.0	





#35

Caprolactam

Concen: 58.545 ng/mL

RT: 8.58 min Scan# 1104

Delta R.T. 0.01 min

Lab File: BF114297.D

Acq: 15 May 2019 20:59

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

Tot Ion:113 Resp: 264719

Ion Ratio Lower Upper

113 100

55 198.9 183.5 223.5

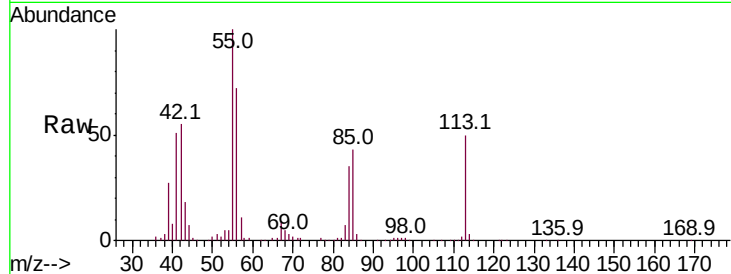
56 142.5 128.8 168.8

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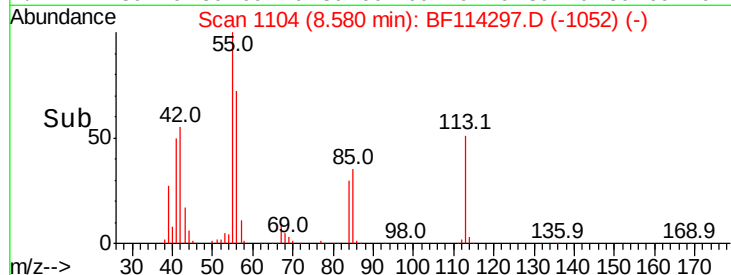
5/16/2019 9:51:12 AM



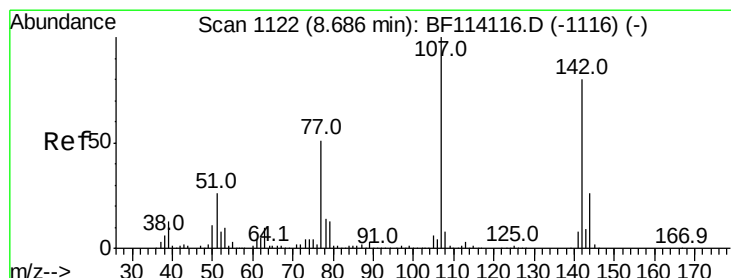
Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



Time-->



#36

4-Chloro-3-methylphenol

Concen: 50.579 ng/mL

RT: 8.70 min Scan# 1125

Delta R.T. 0.02 min

Lab File: BF114297.D

Acq: 15 May 2019 20:59

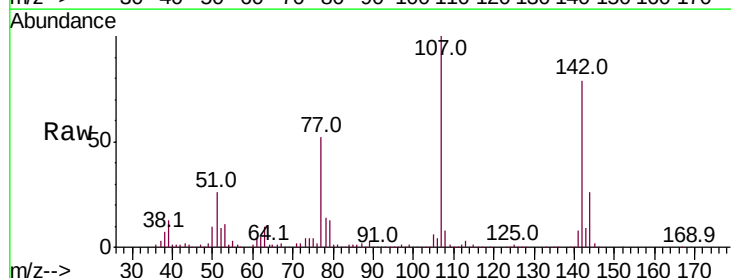
Tgt Ion:107 Resp: 705986

Ion Ratio Lower Upper

107 100

144 25.7 20.4 30.6

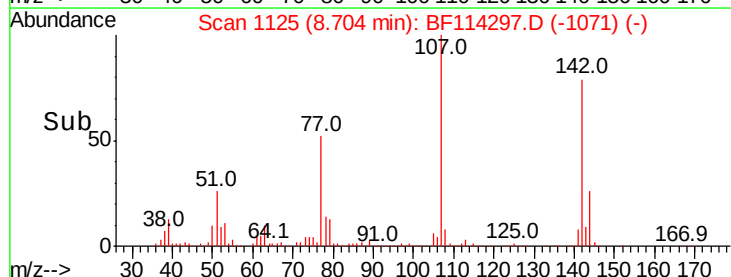
142 78.9 64.2 96.4



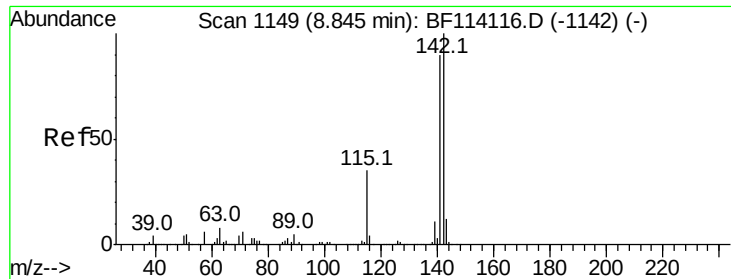
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E



Time-->



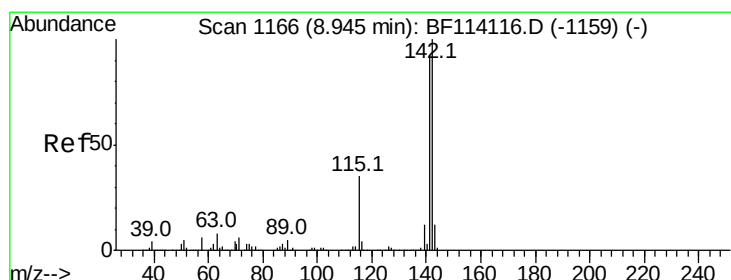
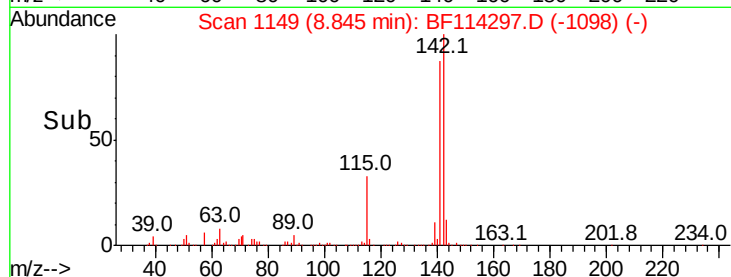
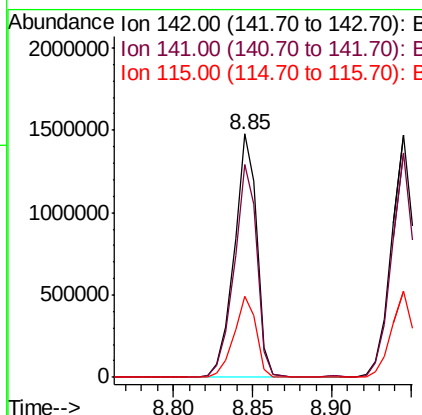
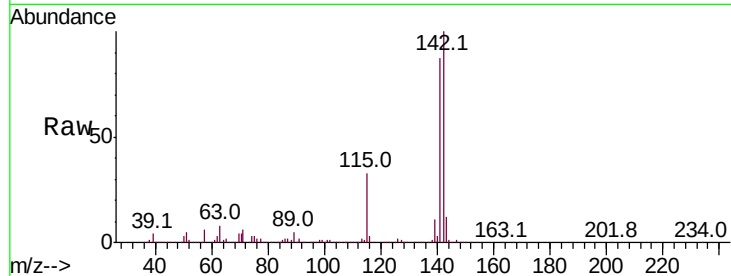
#37
2-Methylnaphthalene
Concen: 48.124 ng
RT: 8.85 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.2	72.1	108.1
115	33.4	28.0	42.0

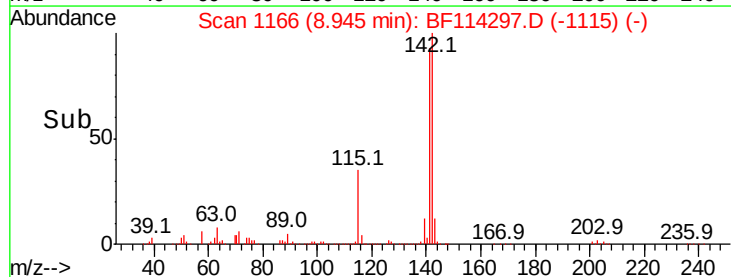
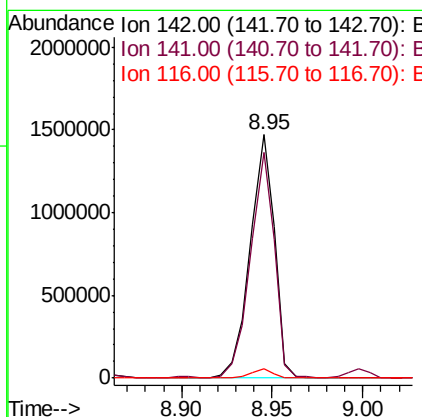
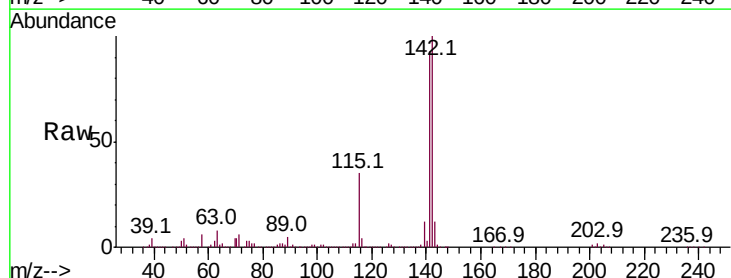
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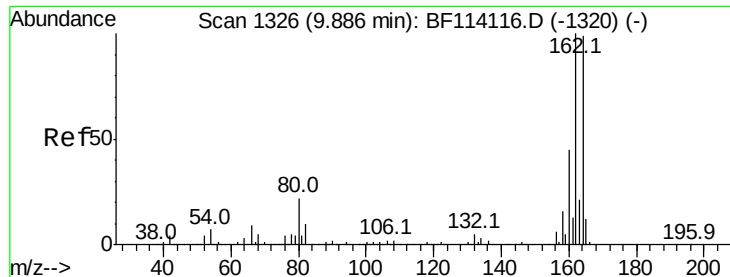
mohammad
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#38
1-Methylnaphthalene
Concen: 47.871 ng
RT: 8.95 min Scan# 1166
Delta R.T. -0.00 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.5	73.4	110.0
116	3.6	3.1	4.7





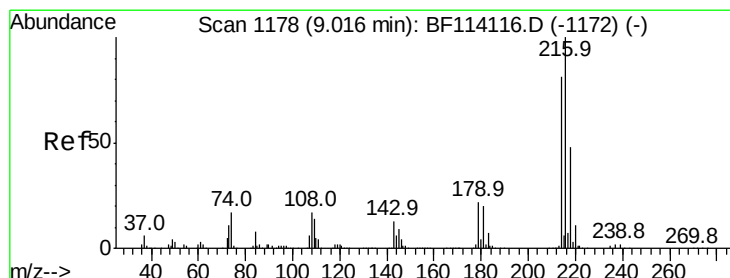
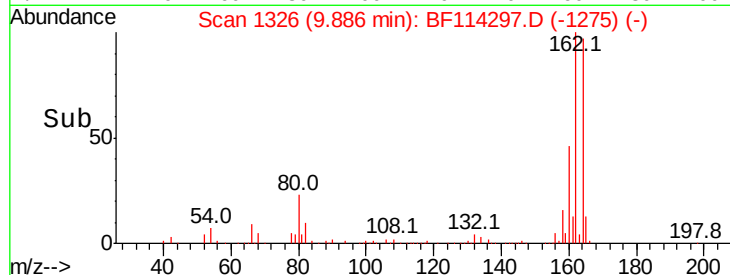
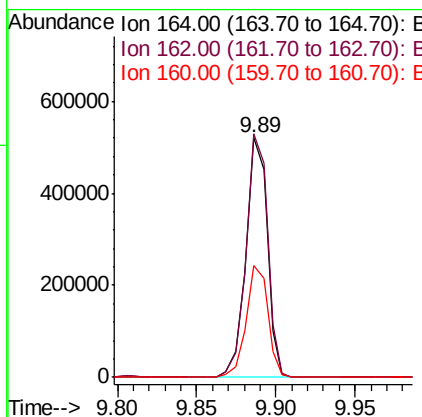
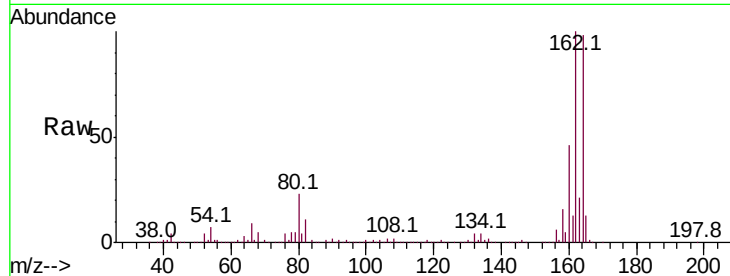
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.6	80.6	120.8
160	46.4	36.5	54.7

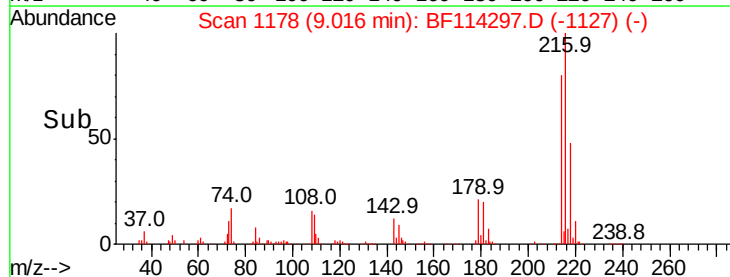
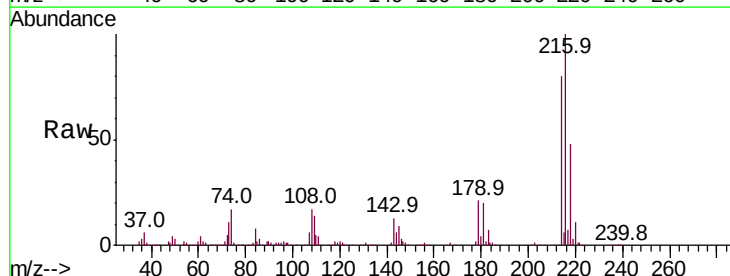
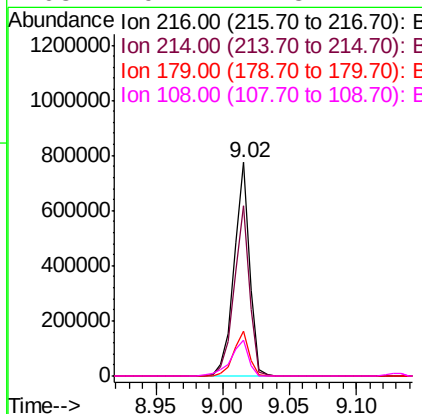
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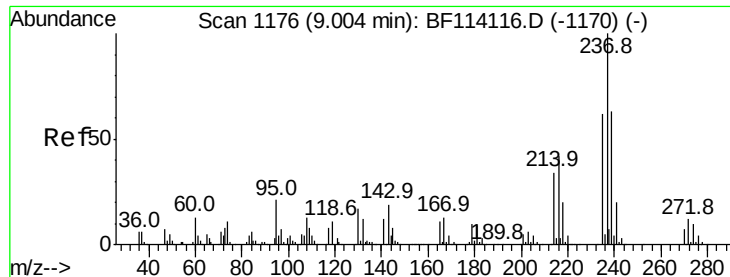
mohammad
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.124 ng
RT: 9.02 min Scan# 1178
Delta R.T. -0.00 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.9	95.9
179	20.9	17.0	25.6
108	19.2	14.8	22.2





#41

Hexachlorocyclopentadiene

Concen: 57.753 ng

RT: 9.00 min Scan# 1175

Delta R.T. -0.01 min

Lab File: BF114297.D

Acq: 15 May 2019 20:59

Instrument :

BNA_F

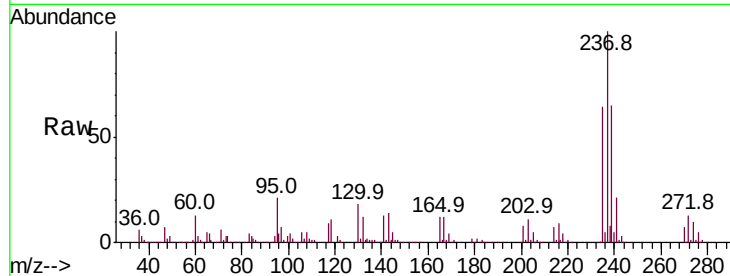
ClientSampleId :

SOIL-COMPMSD

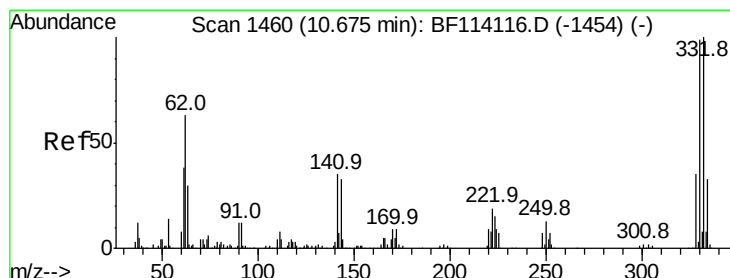
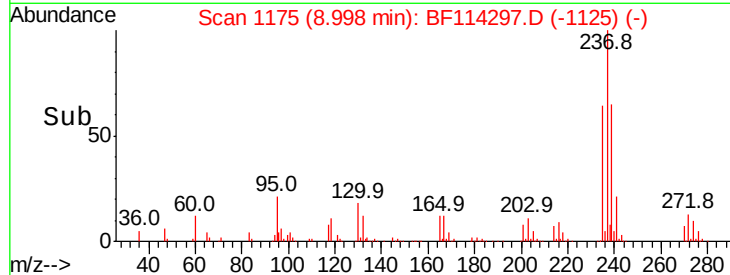
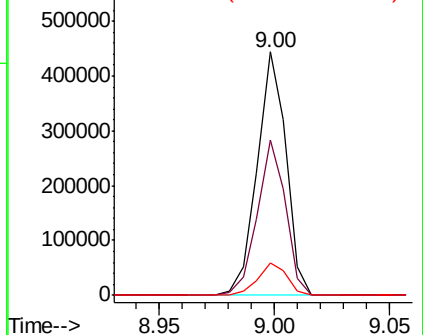
Tot Ion:	237	Resp:	388226
Ion Ratio	Lower	Upper	
237	100		
235	63.8	42.0	82.0
272	13.4	0.0	32.4

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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: 116.277 ng

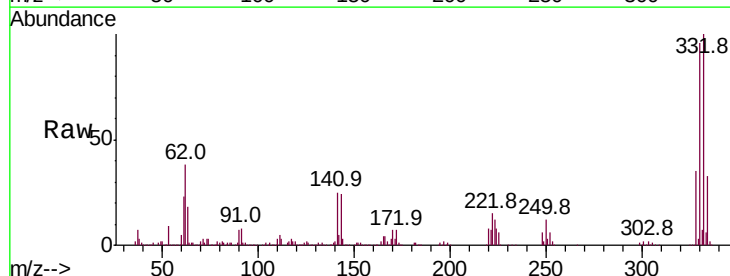
RT: 10.69 min Scan# 1462

Delta R.T. 0.01 min

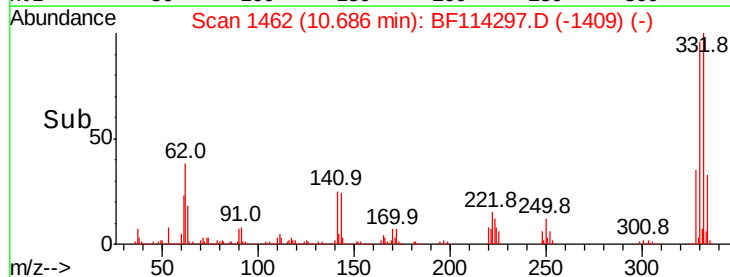
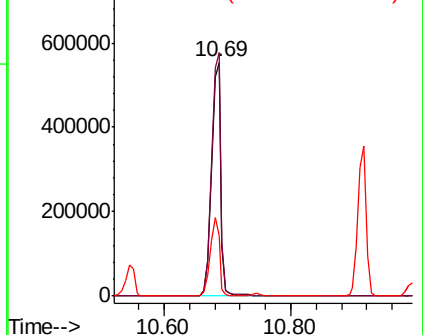
Lab File: BF114297.D

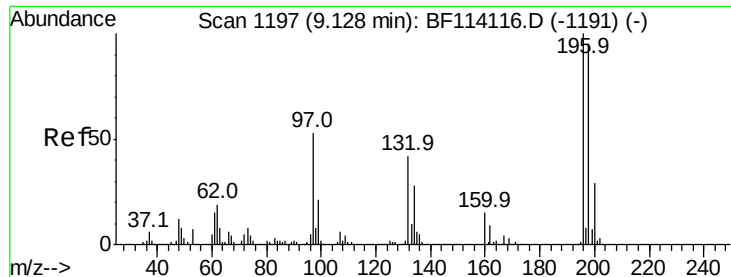
Acq: 15 May 2019 20:59

Tgt Ion:	330	Resp:	585475
Ion Ratio	Lower	Upper	
330	100		
332	103.8	81.4	122.2
141	32.8	26.6	40.0



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: 44.785 ng

RT: 9.13 min Scan# 1198

Delta R.T. 0.01 min

Lab File: BF114297.D

Acq: 15 May 2019 20:59

Instrument :

BNA_F

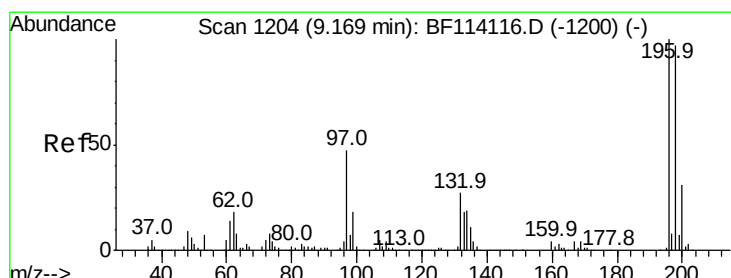
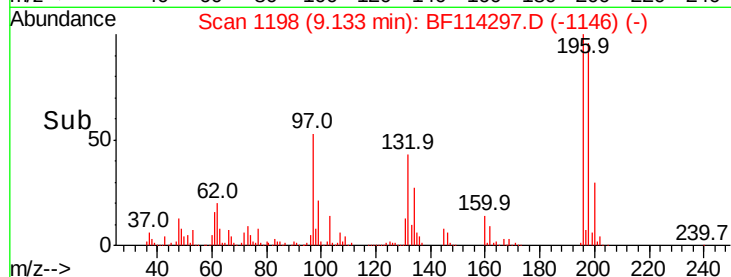
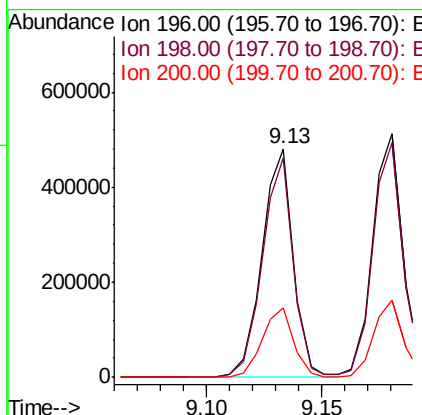
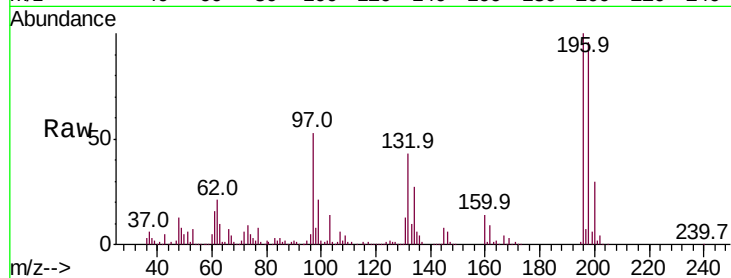
ClientSampleId :

SOIL-COMPMSD

Tot Ion:	196	Resp:	454472
Ion Ratio	Lower	Upper	
196	100		
198	95.8	75.9	113.9
200	30.3	23.5	35.3

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#44

2,4,5-Trichlorophenol

Concen: 45.929 ng

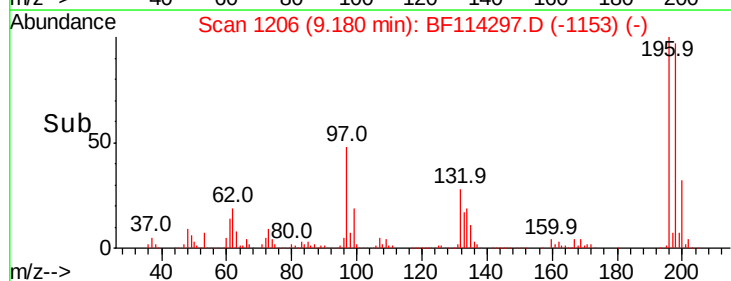
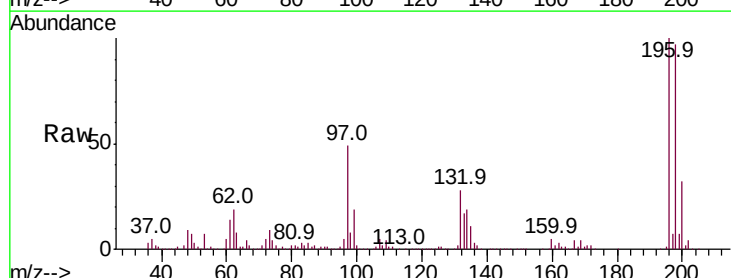
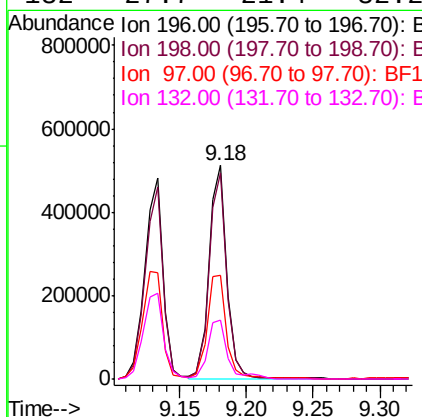
RT: 9.18 min Scan# 1206

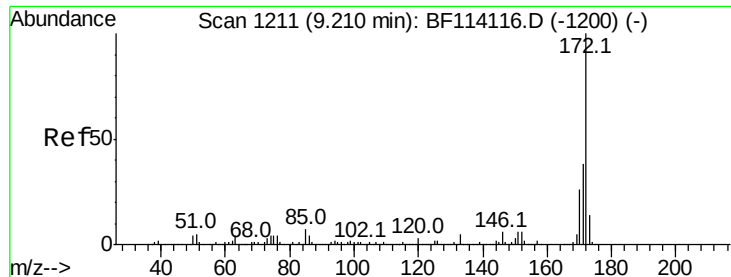
Delta R.T. 0.01 min

Lab File: BF114297.D

Acq: 15 May 2019 20:59

Tgt Ion:	196	Resp:	477990
Ion Ratio	Lower	Upper	
196	100		
198	96.5	77.7	116.5
97	48.7	38.2	57.2
132	27.7	21.4	32.2





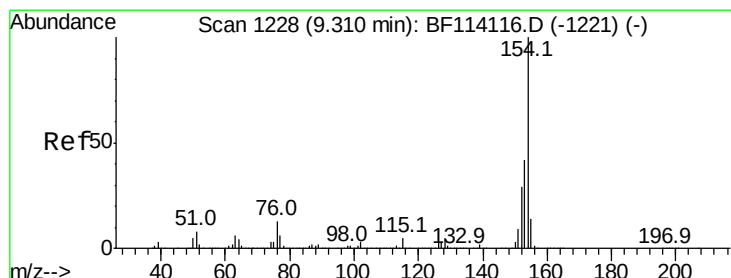
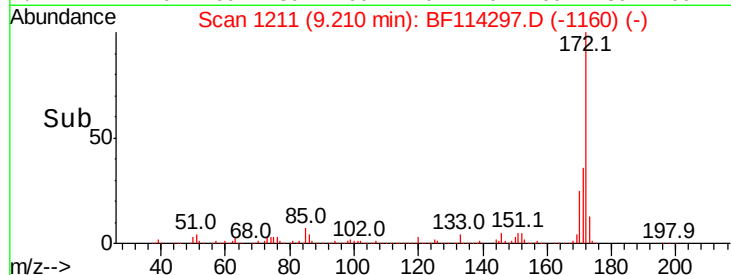
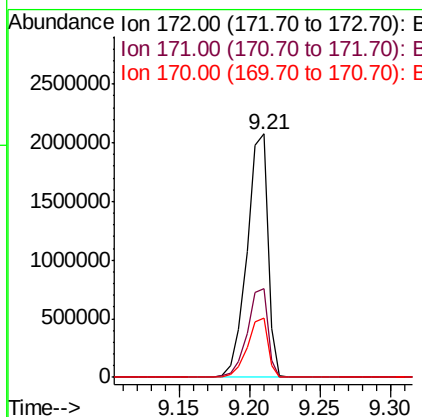
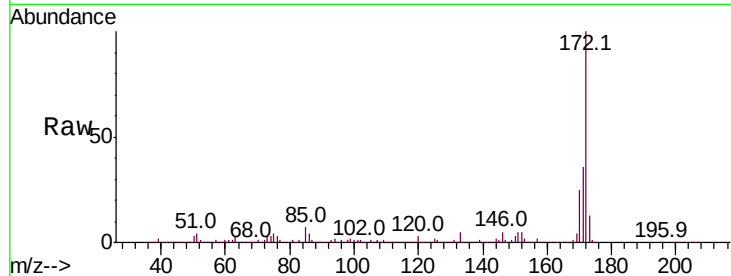
#45
2-Fluorobiphenyl
Concen: 66.795 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.00 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	30.7	46.1
170	24.5	20.5	30.7

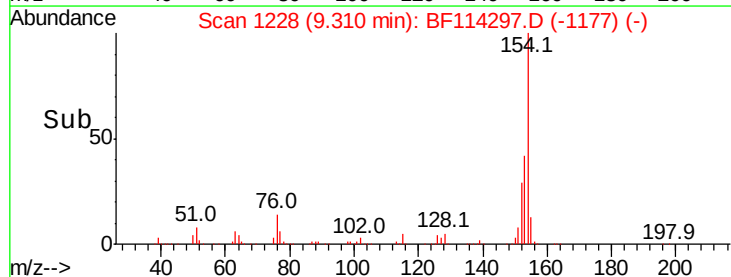
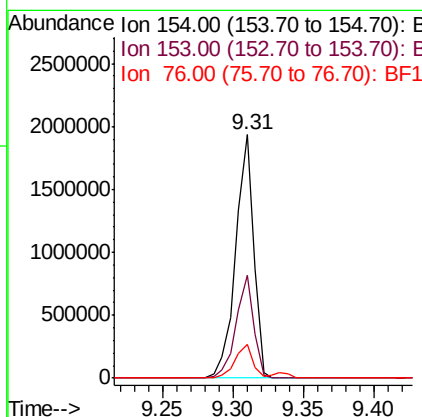
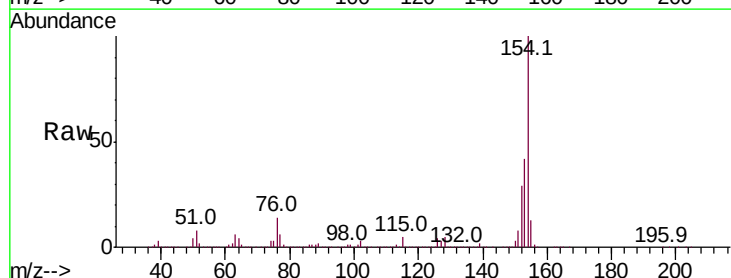
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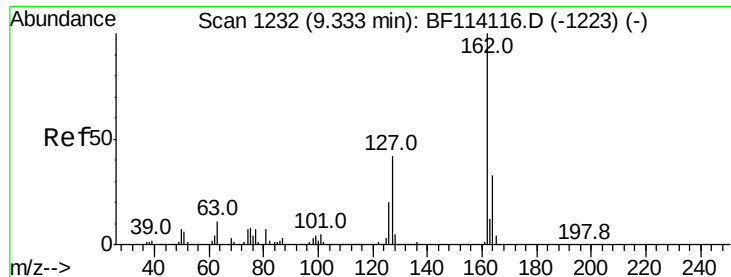
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#46
1,1'-Biphenyl
Concen: 43.829 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.00 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.1	21.9	61.9
76	13.6	0.0	32.8





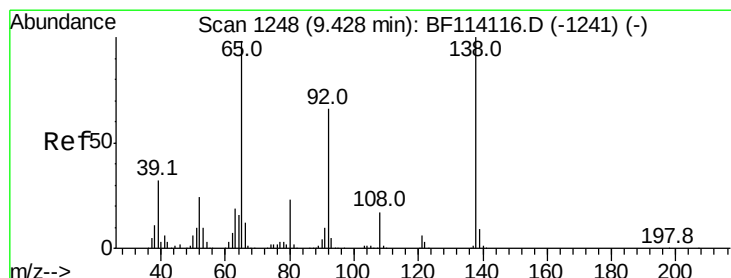
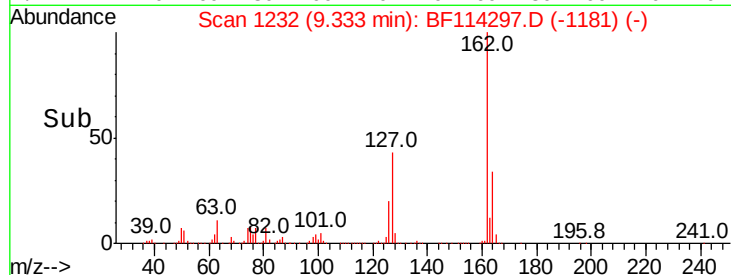
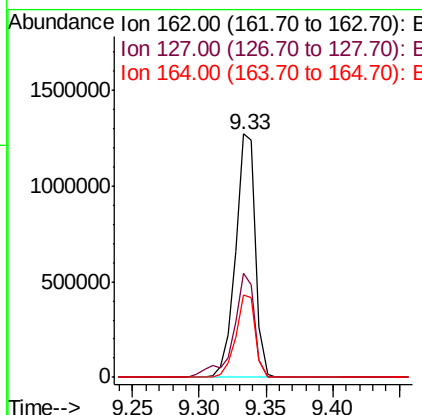
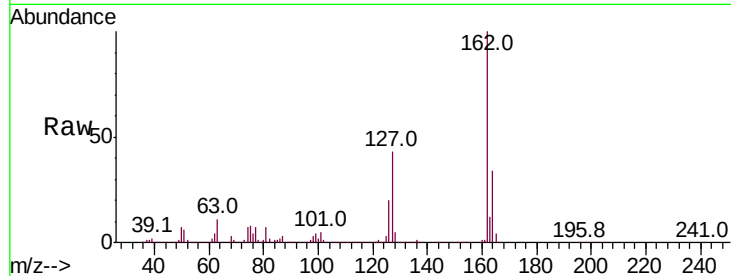
#47
2-Chloronaphthalene
Concen: 41.707 ng
RT: 9.33 min Scan# 1232
Delta R.T. -0.00 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	42.7	34.0	51.0
164	33.7	26.7	40.1

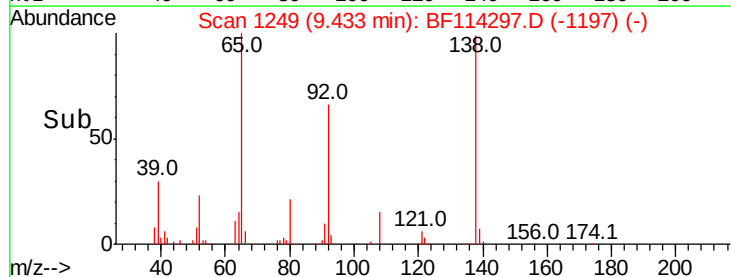
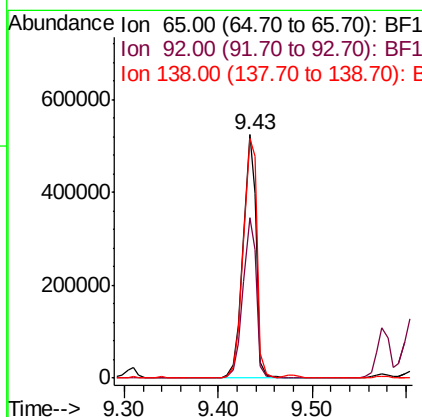
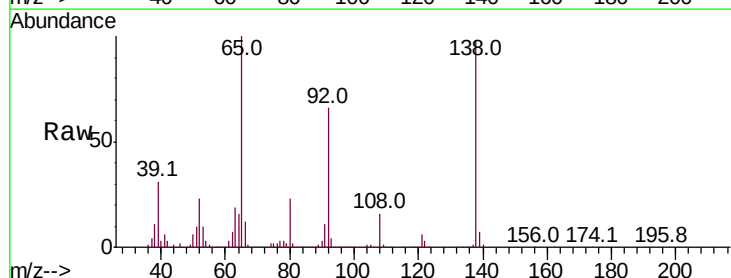
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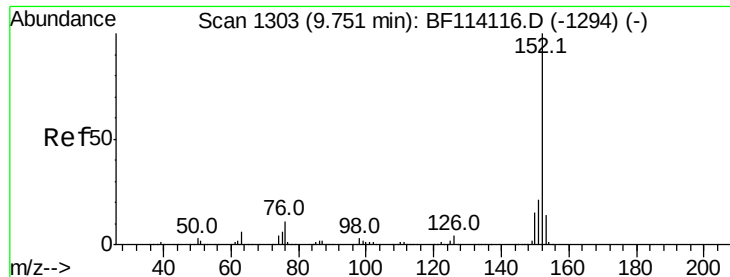
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#48
2-Nitroaniline
Concen: 44.806 ng
RT: 9.43 min Scan# 1249
Delta R.T. 0.01 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Tgt Ion	Ratio	Lower	Upper
65	100		
92	65.8	53.9	80.9
138	98.4	81.4	122.0





#49

Acenaphthylene

Concen: 43.797 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BF114297.D

Acq: 15 May 2019 20:59

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

Tot Ion:152 Resp: 2109303

Ion Ratio Lower Upper

152 100

151 21.6 16.8 25.2

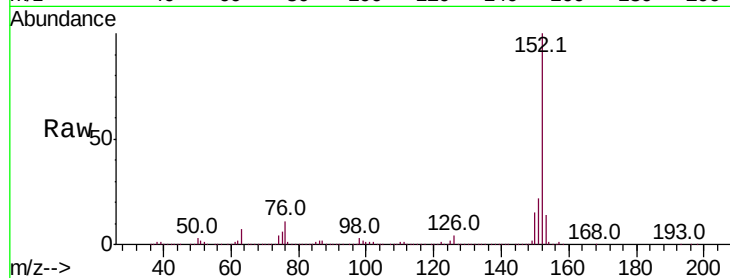
153 14.1 11.4 17.2

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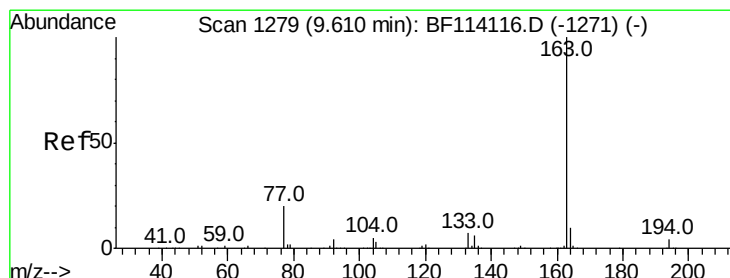
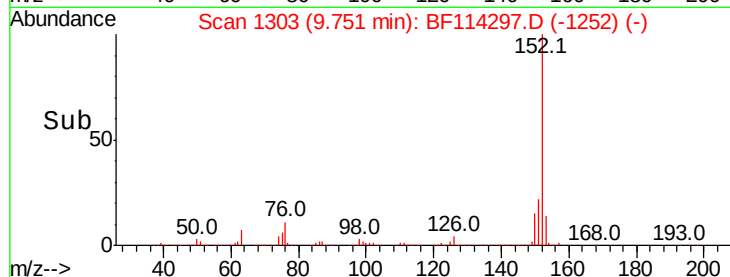
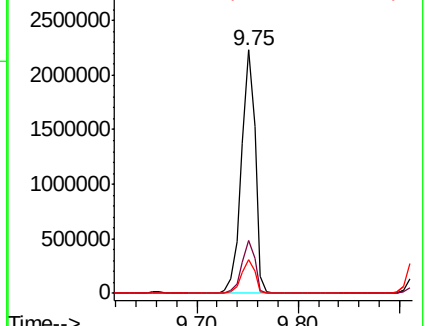
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 56.729 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.00 min

Lab File: BF114297.D

Acq: 15 May 2019 20:59

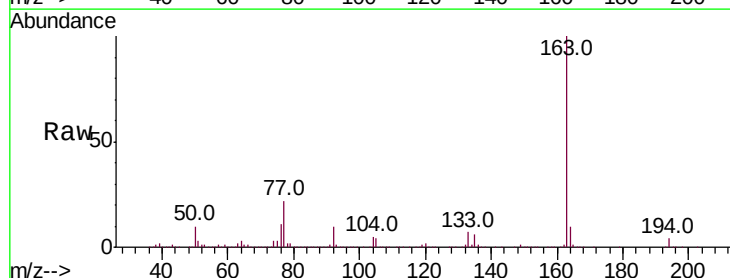
Tgt Ion:163 Resp: 2028249

Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.0

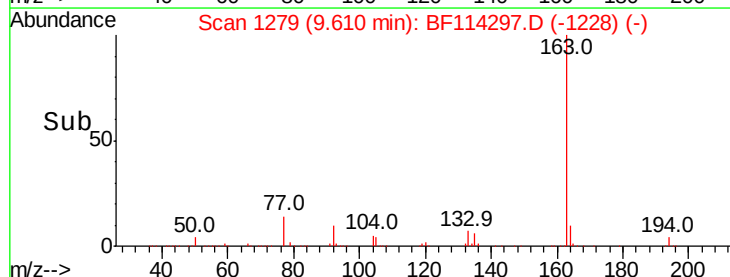
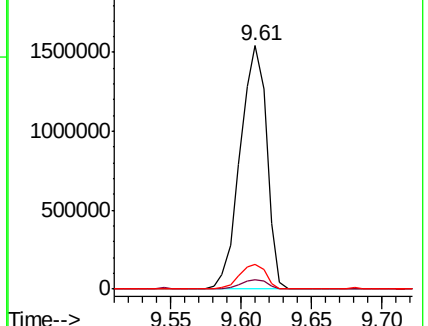
164 10.3 8.2 12.2

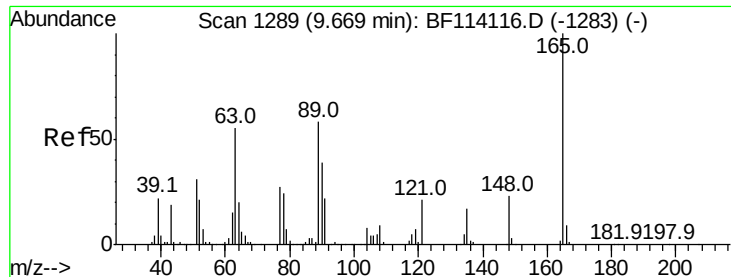


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





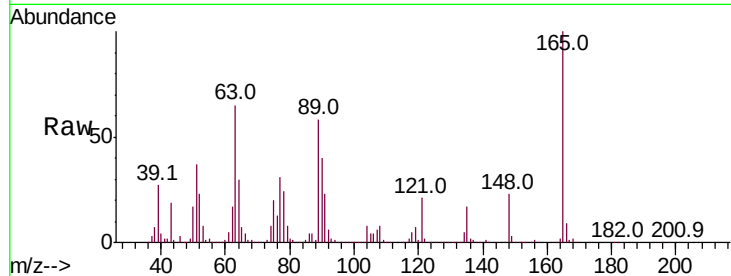
#51
2,6-Dinitrotoluene
Concen: 47.395 ng
RT: 9.67 min Scan# 1290
Delta R.T. 0.01 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

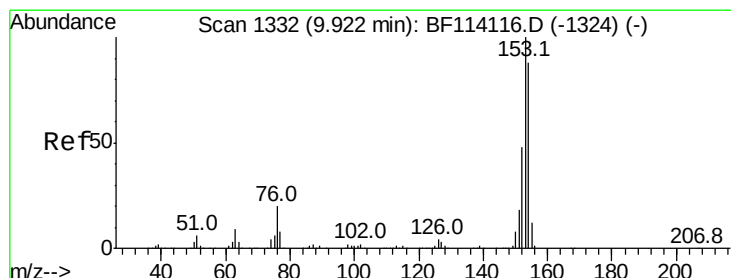
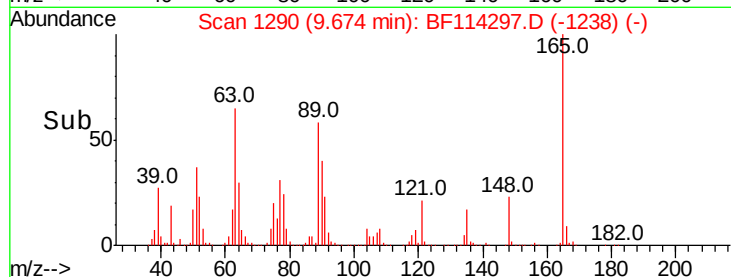
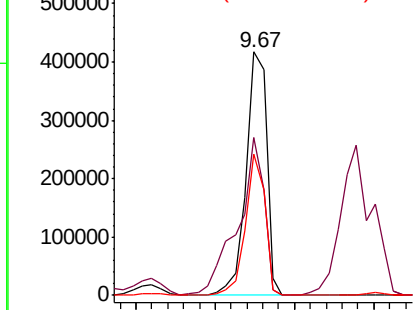
Tot Ion	Ratio	Lower	Upper
165	100		
63	64.9	50.2	75.4
89	57.9	46.6	69.8

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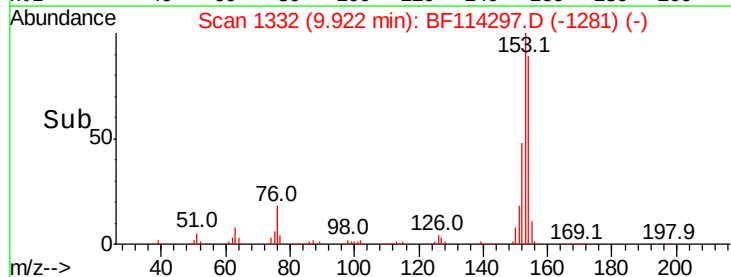
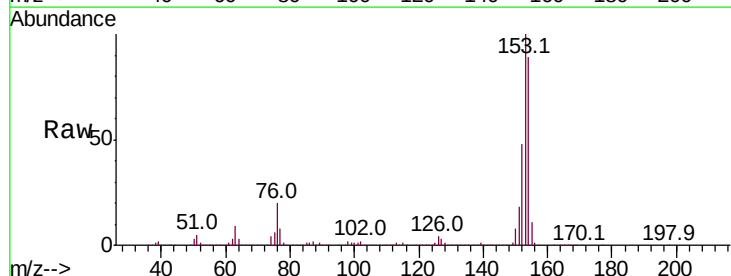
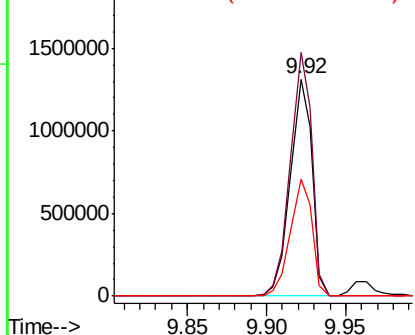
Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

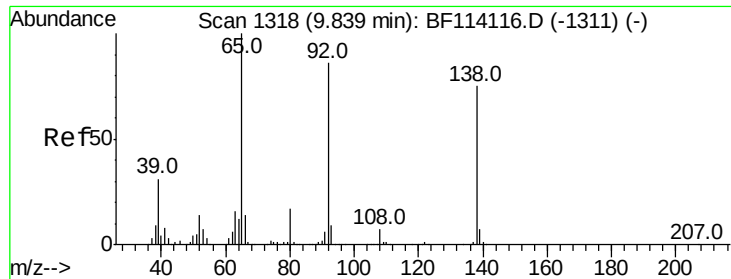


#52
Acenaphthene
Concen: 42.205 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.00 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.1	90.5	135.7
152	54.0	43.4	65.2

Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





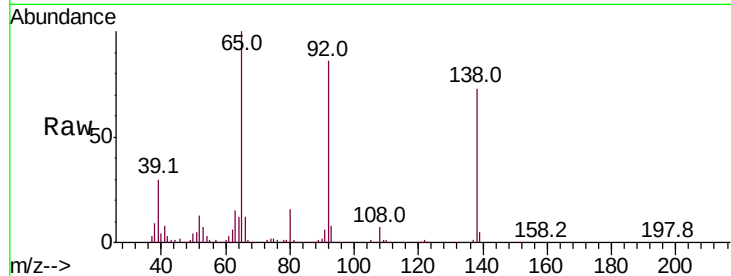
#53
3-Nitroaniline
Concen: 28.193 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.01 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.0	7.8	11.6
92	117.6	91.2	136.8

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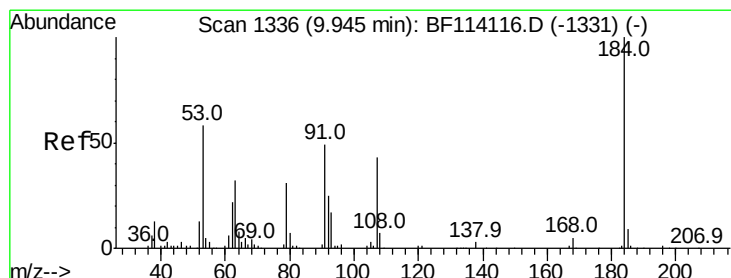
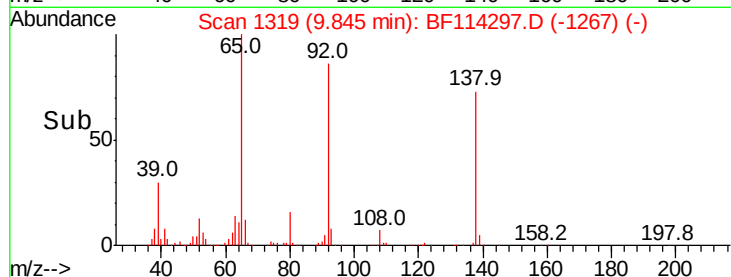
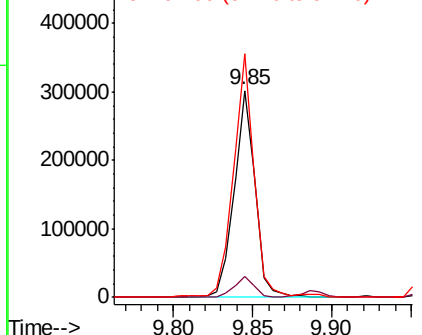


Abundance

Ion 138.00 (137.70 to 138.70): E

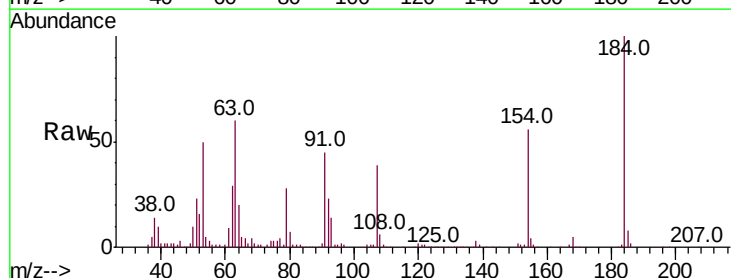
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54
2,4-Dinitrophenol
Concen: 45.125 ng
RT: 9.96 min Scan# 1339
Delta R.T. 0.02 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Tgt Ion	Ratio	Lower	Upper
184	100		
63	60.1	55.6	83.4
154	55.8	46.0	69.0

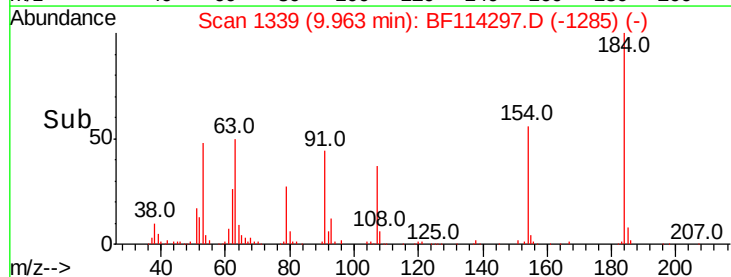
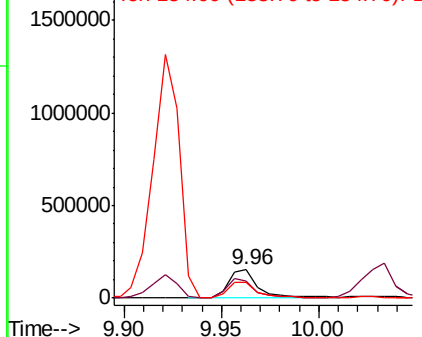


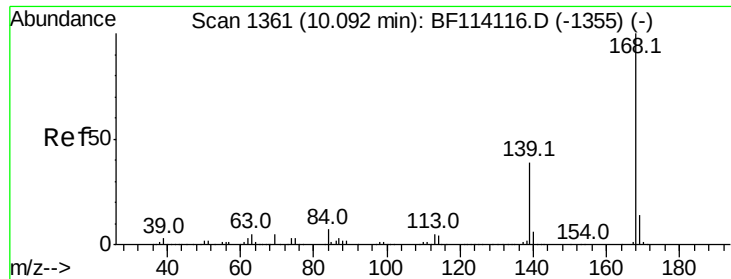
Abundance

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





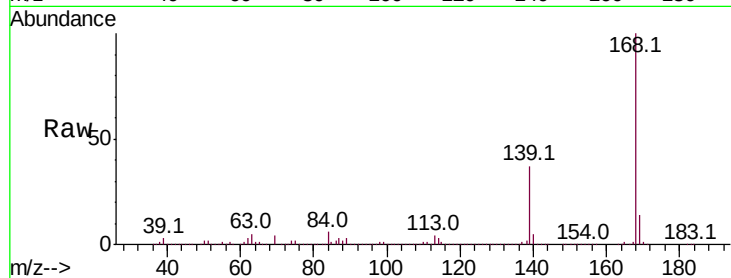
#55
Dibenzofuran
Concen: 41.870 ng
RT: 10.10 min Scan# 1362
Delta R.T. 0.01 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.8	31.1	46.7
169	13.6	11.4	17.0

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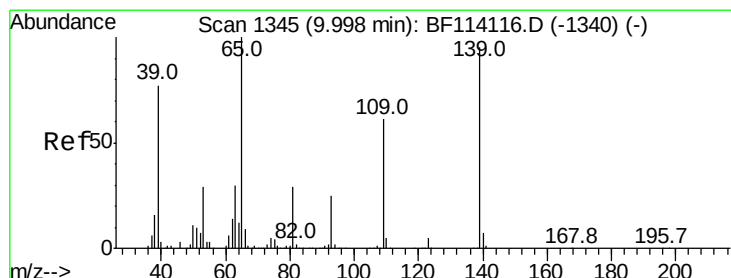
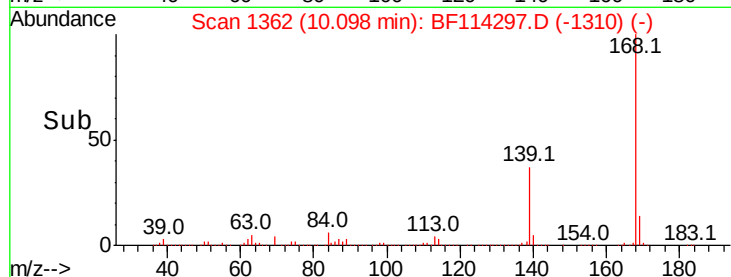
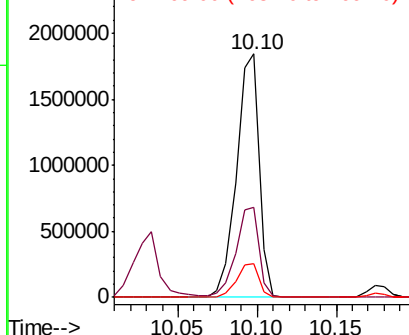


Abundance

Ion 168.00 (167.70 to 168.70): E

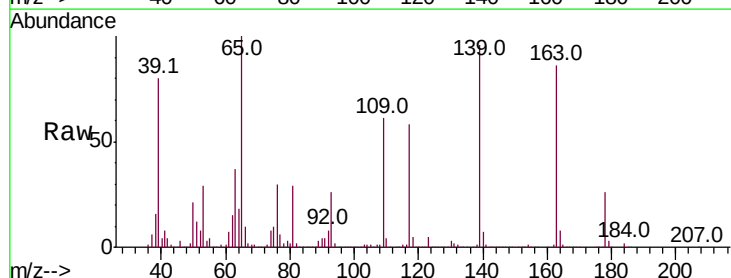
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56
4-Nitrophenol
Concen: 79.186 ng
RT: 10.03 min Scan# 1351
Delta R.T. 0.04 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Tgt Ion	Ratio	Lower	Upper
139	100		
109	63.2	43.9	83.9
65	103.8	85.7	125.7

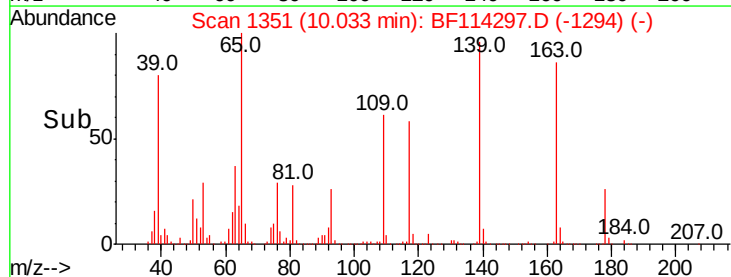
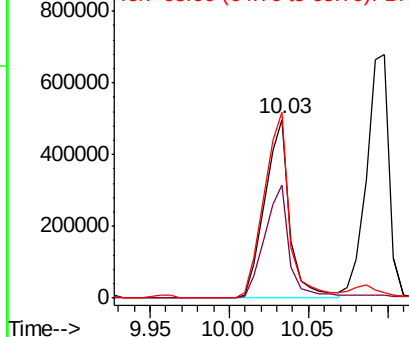


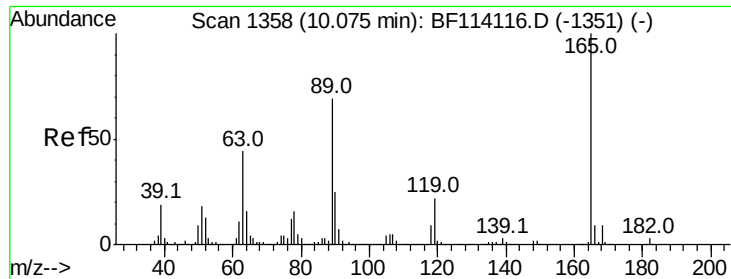
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#57

2,4-Dinitrotoluene

Concen: 43.511 ng

RT: 10.09 min Scan# 1360

Delta R.T. 0.01 min

Lab File: BF114297.D

Acq: 15 May 2019 20:59

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

Tot Ion:165 Resp: 468329
Ion Ratio Lower Upper

165 100

63 56.1 35.5 53.3#

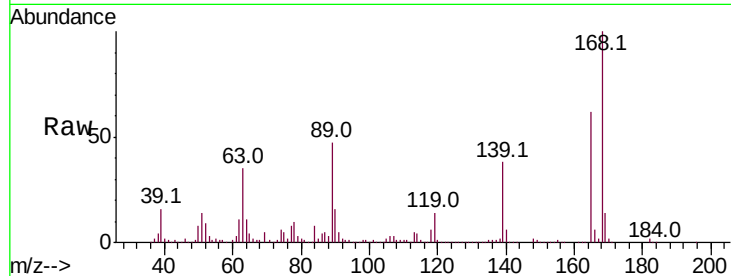
89 76.2 55.2 82.8

182 2.5 2.2 3.2

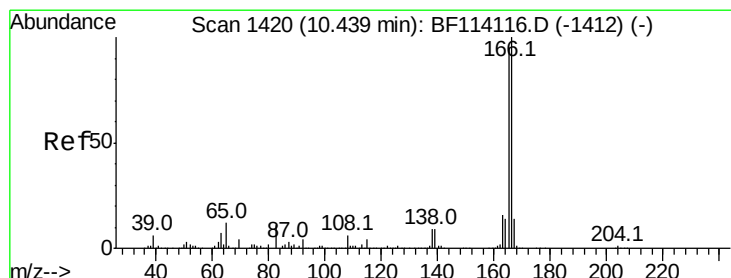
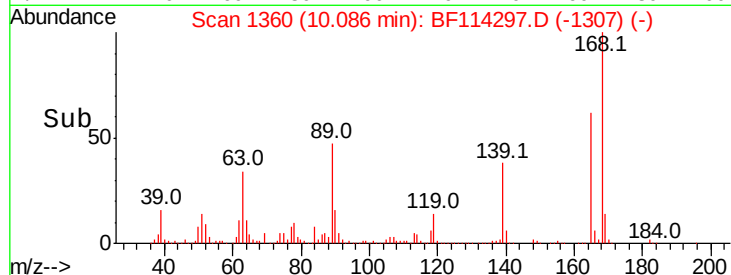
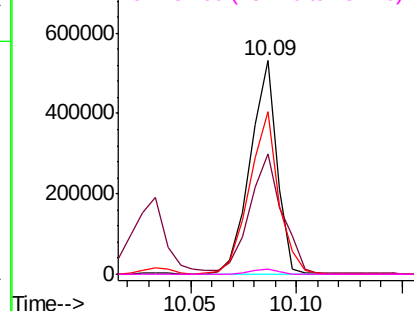
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Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 44.127 ng

RT: 10.44 min Scan# 1420

Delta R.T. -0.00 min

Lab File: BF114297.D

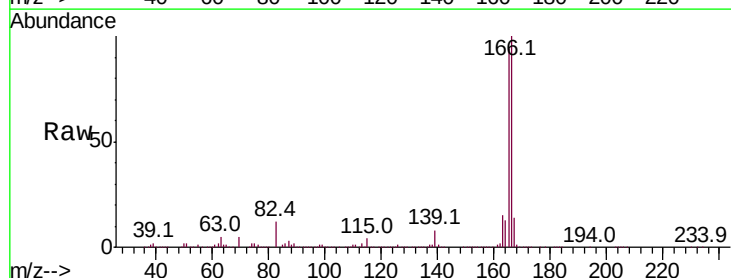
Acq: 15 May 2019 20:59

Tgt Ion:166 Resp: 1477082
Ion Ratio Lower Upper

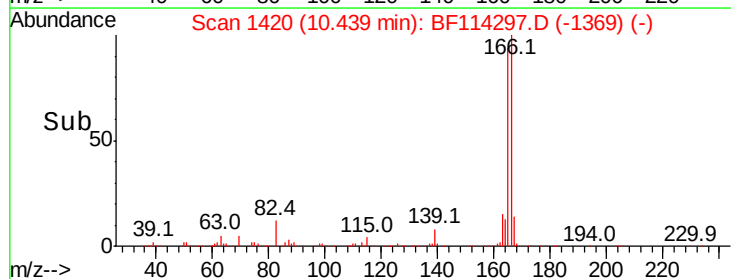
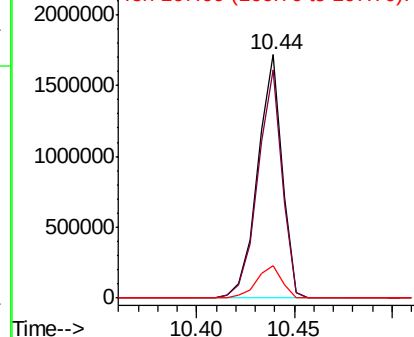
166 100

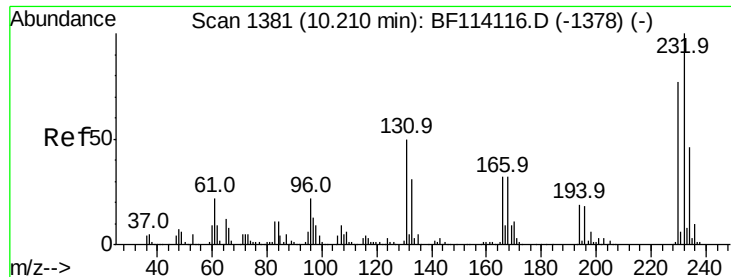
165 93.6 76.1 114.1

167 13.5 11.1 16.7



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





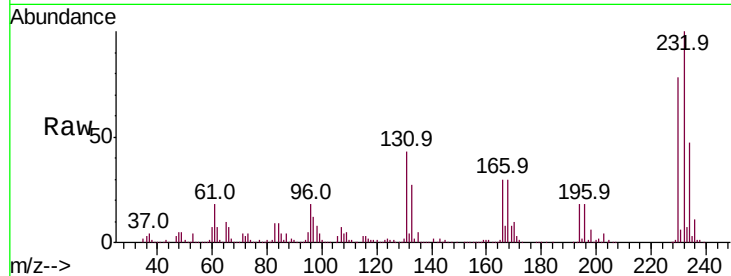
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 44.893 ng
 RT: 10.22 min Scan# 1383
 Delta R.T. 0.01 min
 Lab File: BF114297.D
 Acq: 15 May 2019 20:59

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMSD

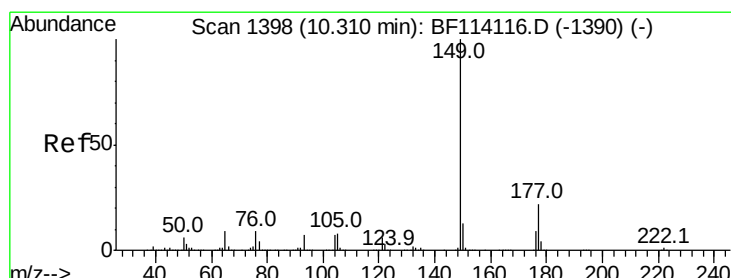
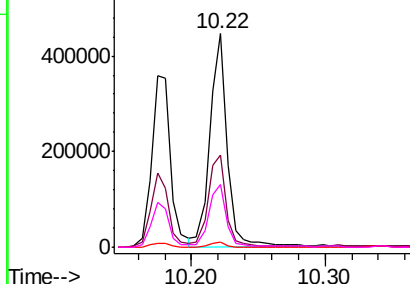
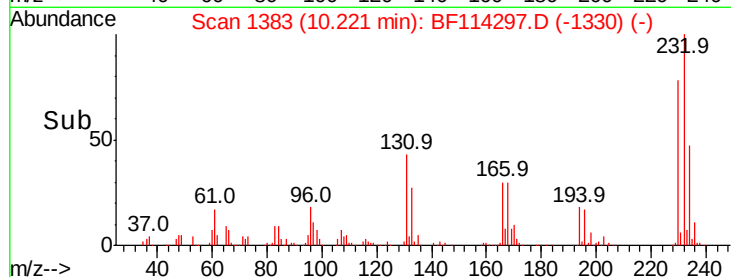
Tot Ion	Ratio	Resp	Lower	Upper
232	100	403126		
131	45.2		35.6	53.4
130	2.1		1.6	2.4
166	30.2		24.1	36.1

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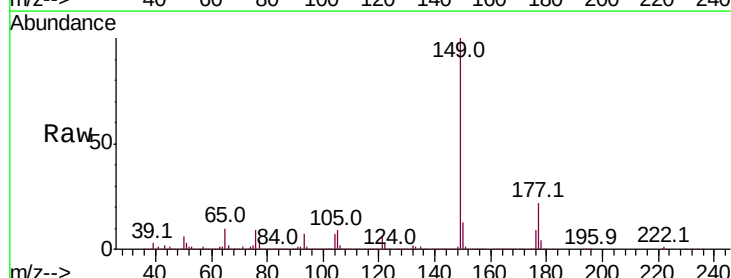


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

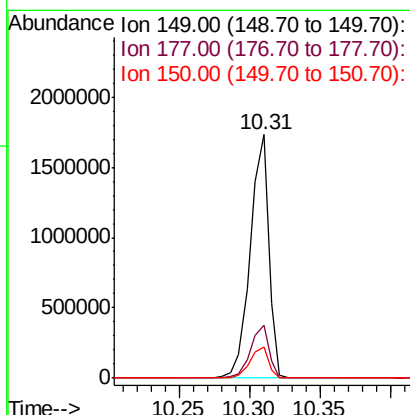
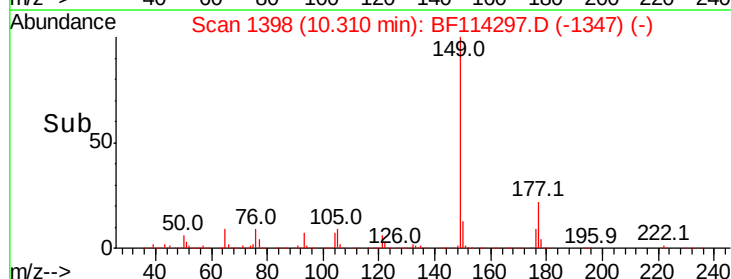


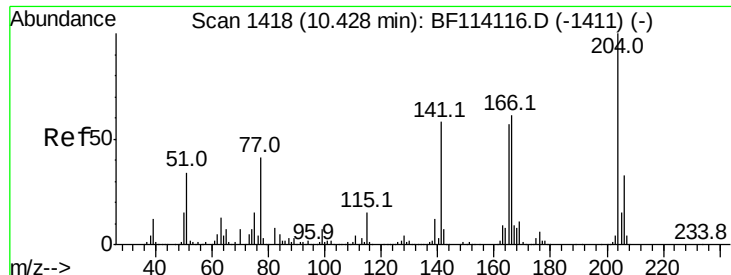
#60
 Diethylphthalate
 Concen: 43.966 ng
 RT: 10.31 min Scan# 1398
 Delta R.T. -0.00 min
 Lab File: BF114297.D
 Acq: 15 May 2019 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1597178		
177	22.0		17.8	26.6
150	12.8		10.2	15.2



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





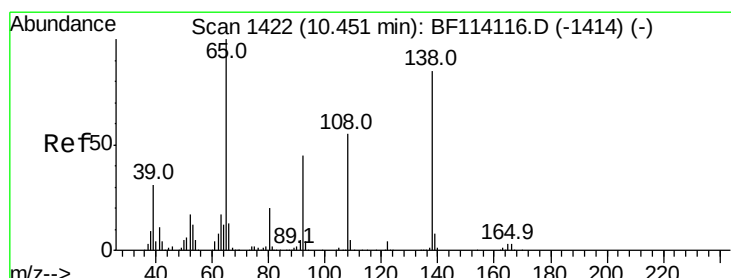
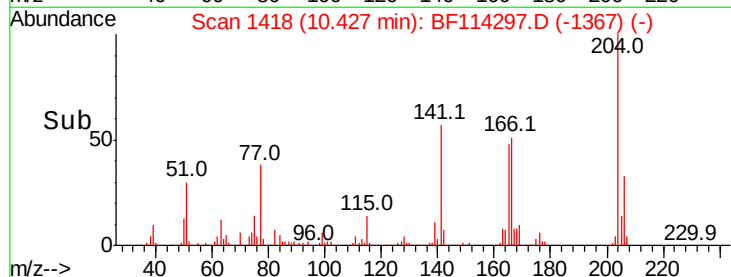
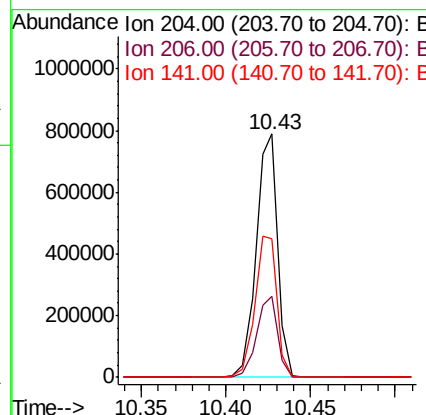
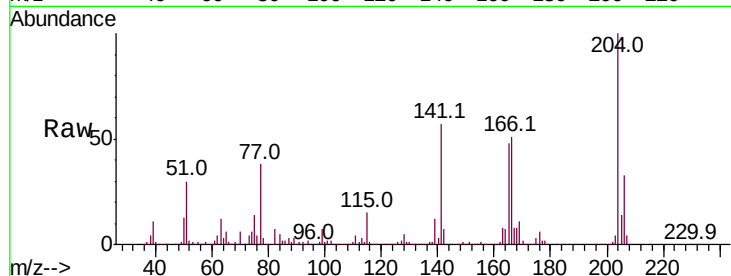
#61
4-Chlorophenyl-phenylether
Concen: 42.607 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.00 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.4	26.6	39.8
141	56.7	46.4	69.6

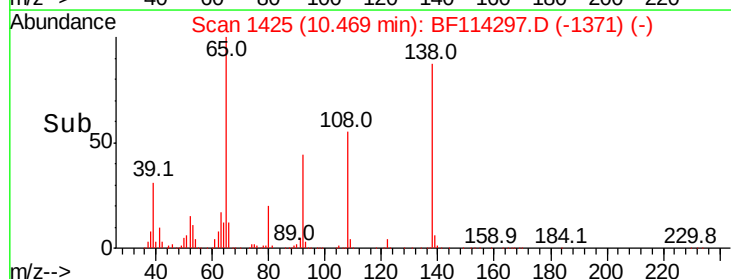
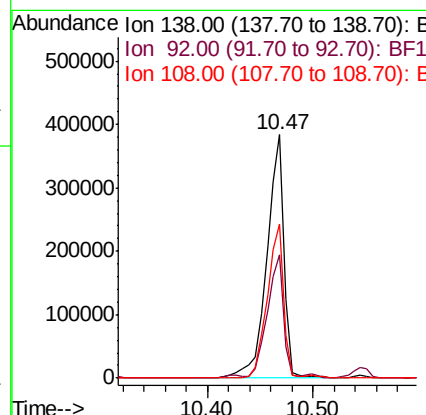
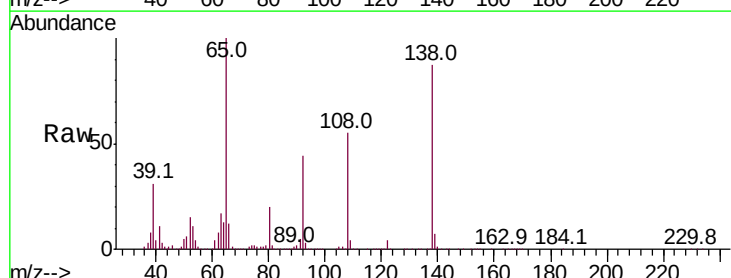
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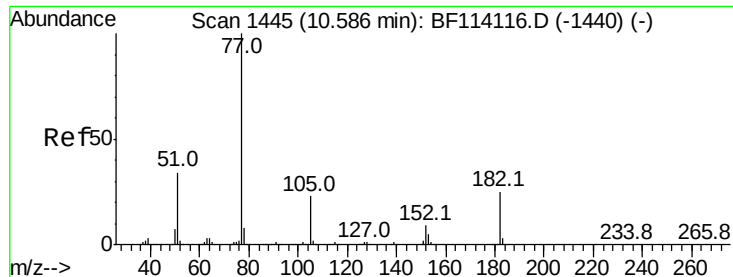
mohammad
5/16/2019 9:51:12 AM



#62
4-Nitroaniline
Concen: 42.281 ng
RT: 10.47 min Scan# 1425
Delta R.T. 0.02 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Tgt Ion	Ratio	Lower	Upper
138	100		
92	50.7	33.0	73.0
108	63.3	44.9	84.9





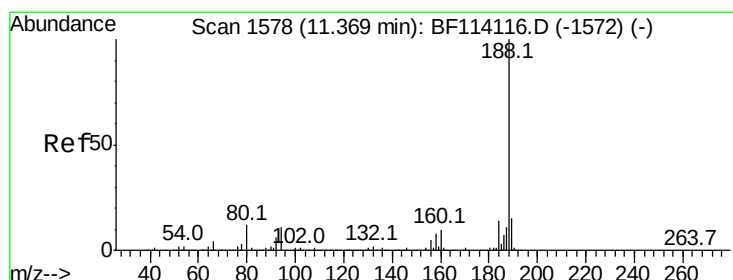
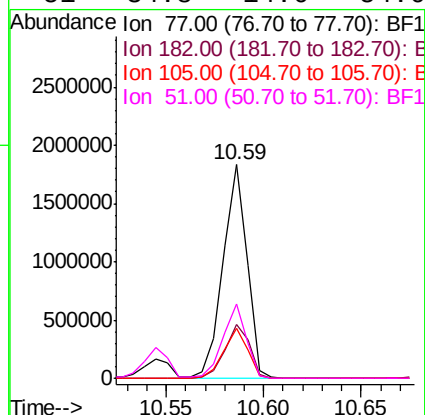
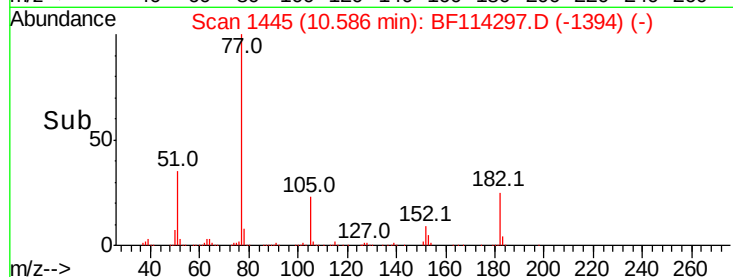
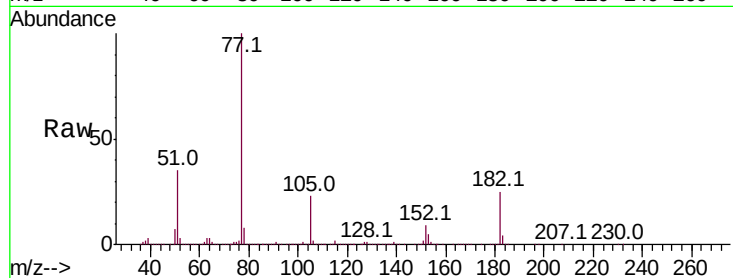
#63
Azobenzene
Concen: 44.341 ng
RT: 10.59 min Scan# 1445
Delta R.T. -0.00 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	25.1	4.7	44.7	
105	23.4	2.9	42.9	
51	34.8	14.6	54.6	

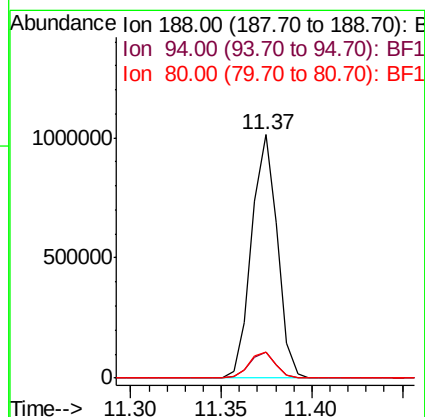
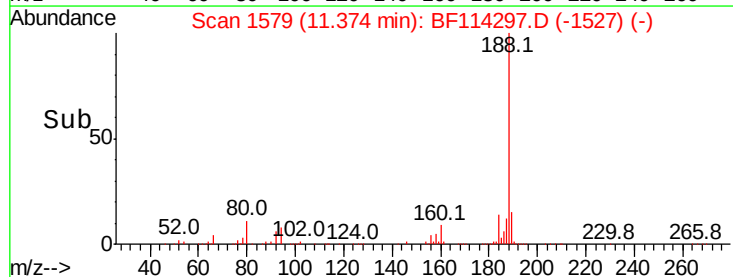
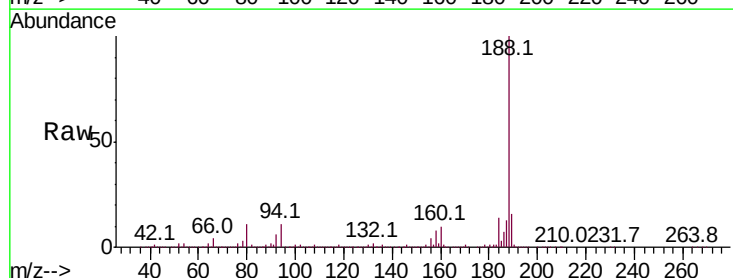
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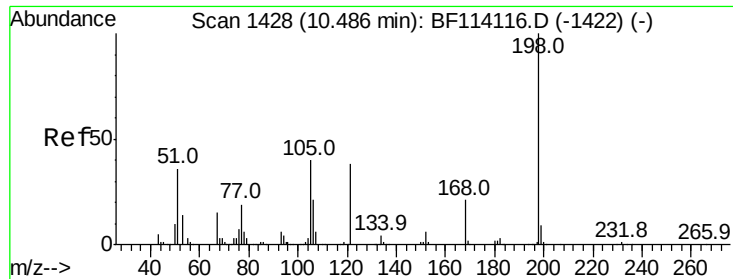
mohammad
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.01 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	10.6	8.4	12.6	
80	10.9	9.2	13.8	





#65

4,6-Dinitro-2-methylphenol

Concen: 40.454 ng

RT: 10.50 min Scan# 1430

Delta R.T. 0.01 min

Lab File: BF114297.D

Acq: 15 May 2019 20:59

Instrument :

BNA_F

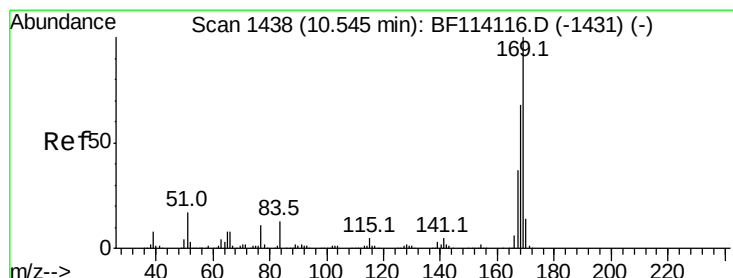
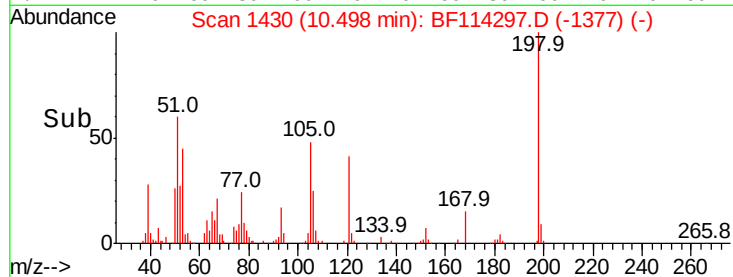
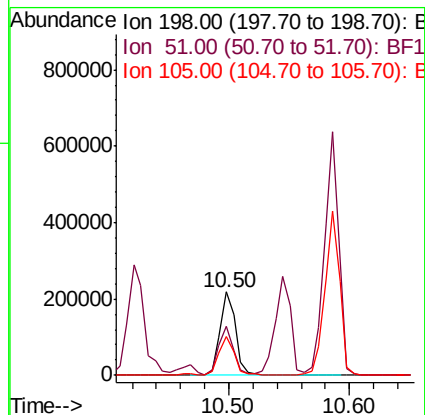
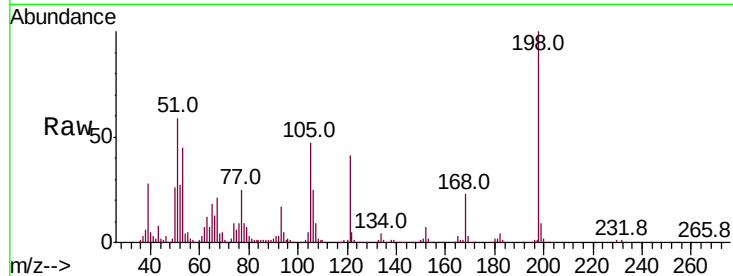
ClientSampleId :

SOIL-COMPMSD

Tot Ion:198	Resp:	194411
Ion Ratio	Lower	Upper
198	100	
51	59.4	28.0 68.0
105	47.0	21.1 61.1

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#66

n-Nitrosodiphenylamine

Concen: 44.354 ng

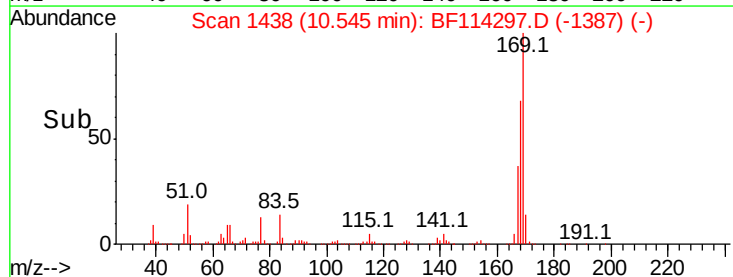
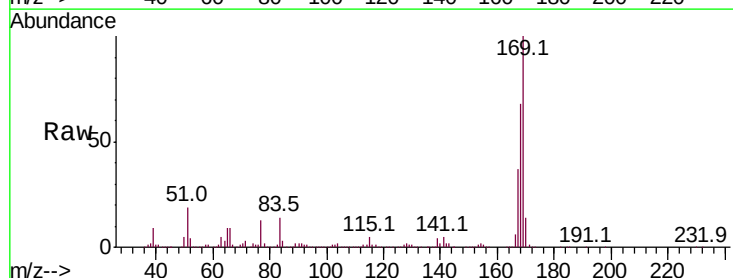
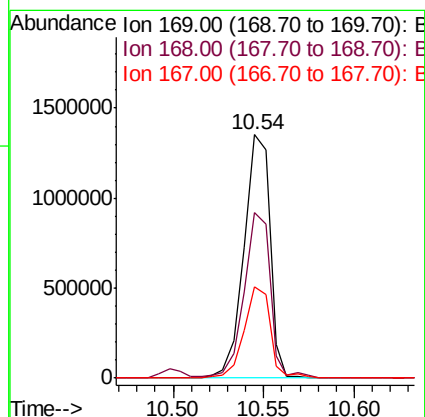
RT: 10.54 min Scan# 1438

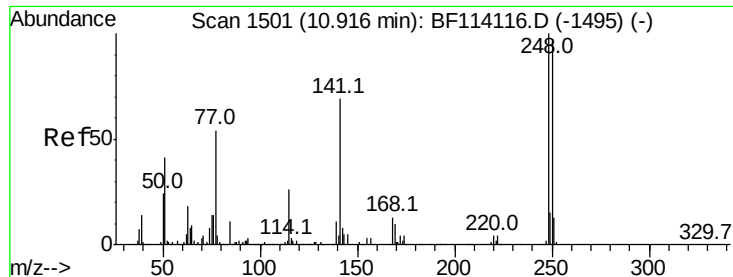
Delta R.T. -0.00 min

Lab File: BF114297.D

Acq: 15 May 2019 20:59

Tgt Ion:169	Resp:	1346326
Ion Ratio	Lower	Upper
169	100	
168	68.1	54.2 81.2
167	37.5	29.8 44.8





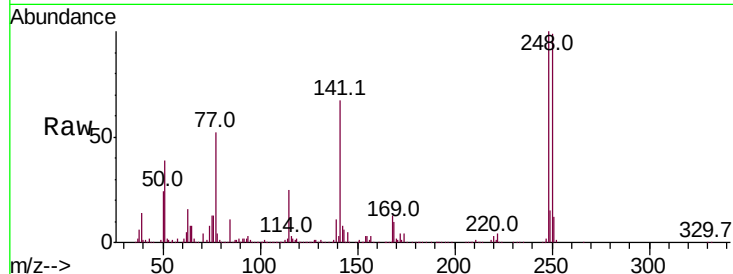
#67
4-Bromophenyl-phenylether
Concen: 41.705 ng
RT: 10.92 min Scan# 1501
Delta R.T. -0.00 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	98.5	77.4	116.2
141	66.5	55.6	83.4

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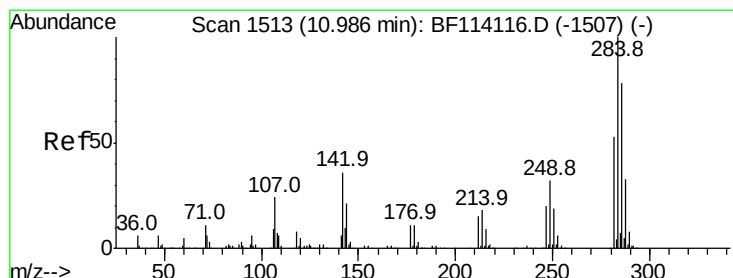
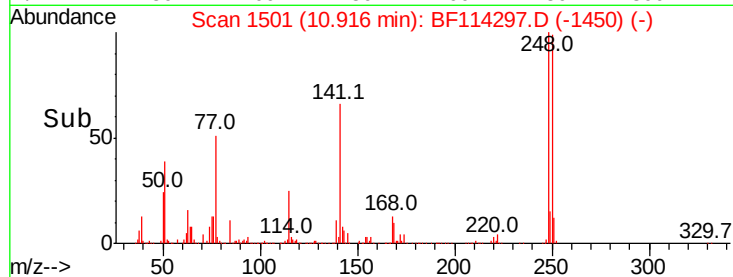
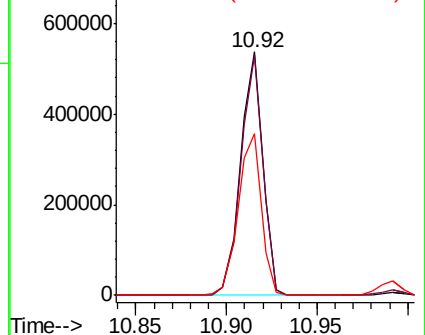


Abundance

Ion 248.00 (247.70 to 248.70): E

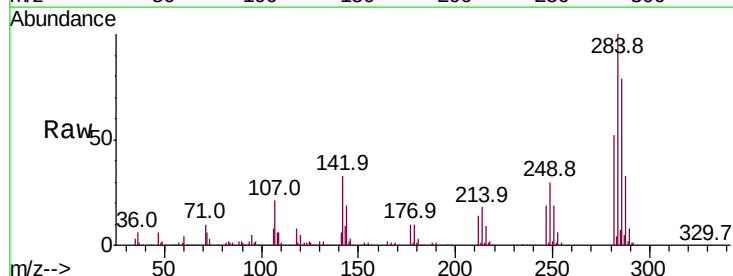
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 40.314 ng
RT: 10.99 min Scan# 1514
Delta R.T. 0.01 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Tgt Ion	Ratio	Lower	Upper
284	100		
142	32.9	28.4	42.6
249	30.3	25.2	37.8

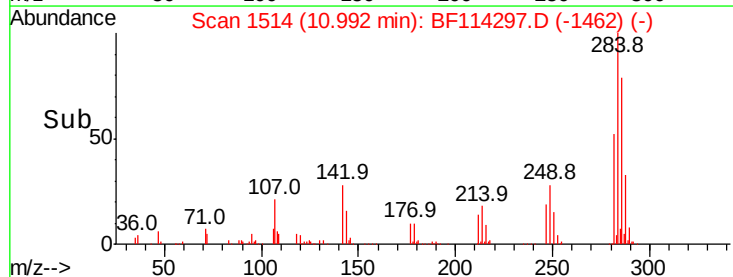
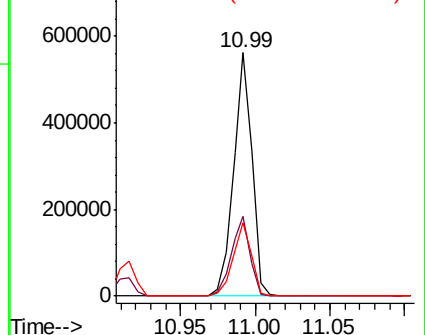


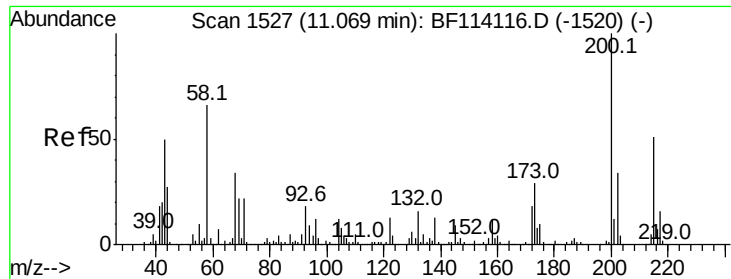
Abundance

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





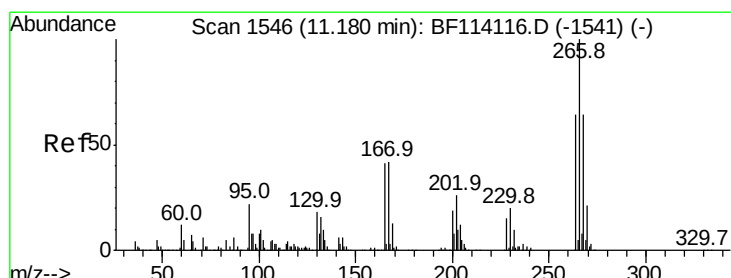
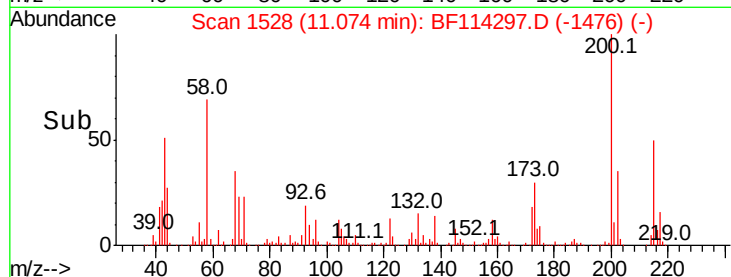
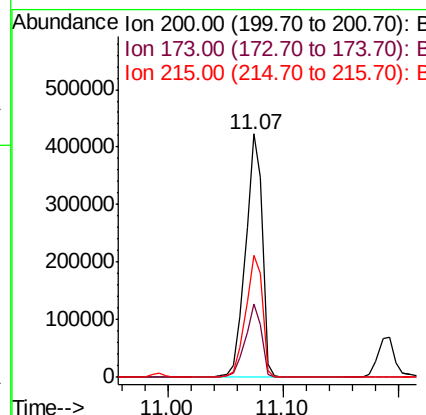
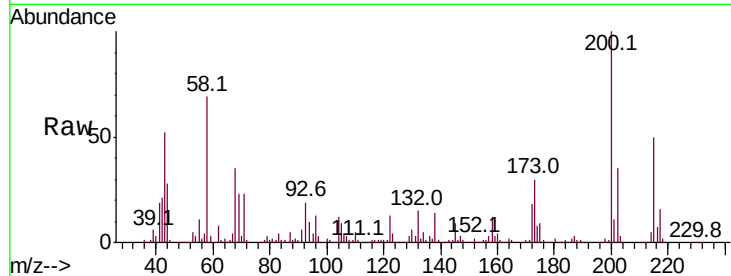
#69
Atrazine
Concen: 44.721 ng
RT: 11.07 min Scan# 1528
Delta R.T. 0.01 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	30.4	8.9	48.9
215	50.3	30.7	70.7

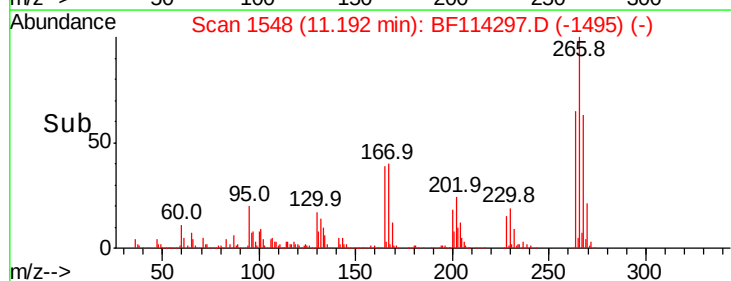
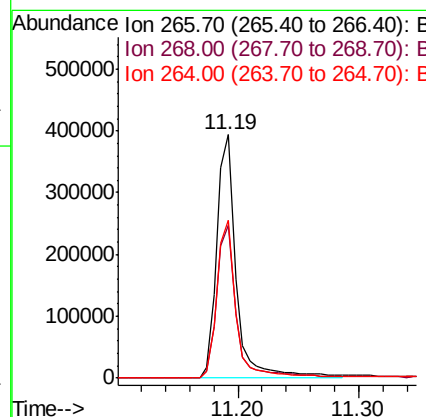
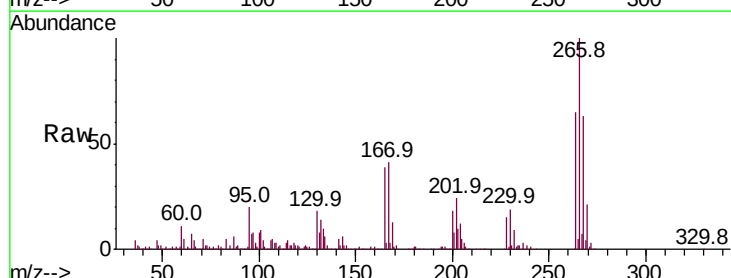
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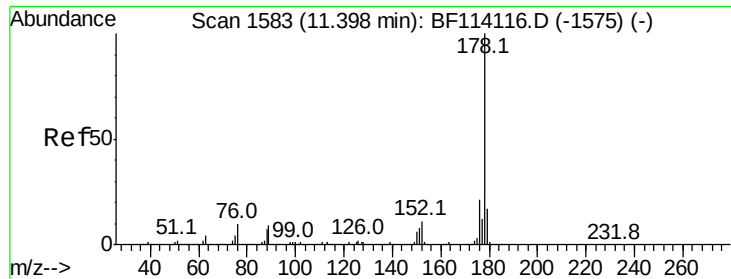
mohammad
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#70
Pentachlorophenol
Concen: 76.326 ng
RT: 11.19 min Scan# 1548
Delta R.T. 0.01 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Tgt Ion	Ratio	Lower	Upper
266	100		
268	62.6	51.1	76.7
264	64.7	51.1	76.7





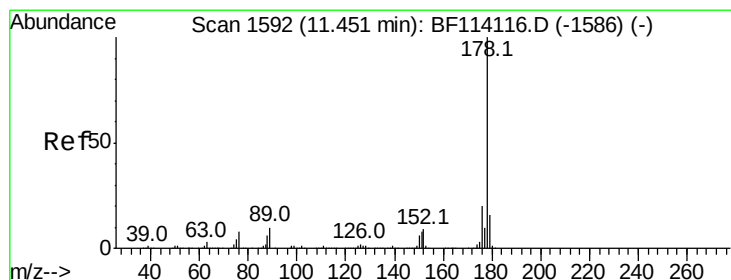
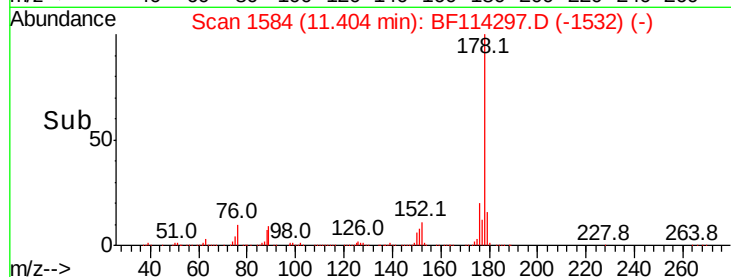
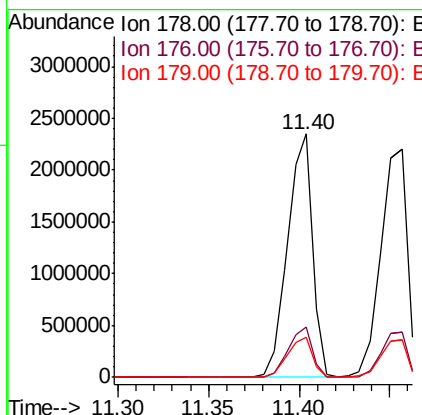
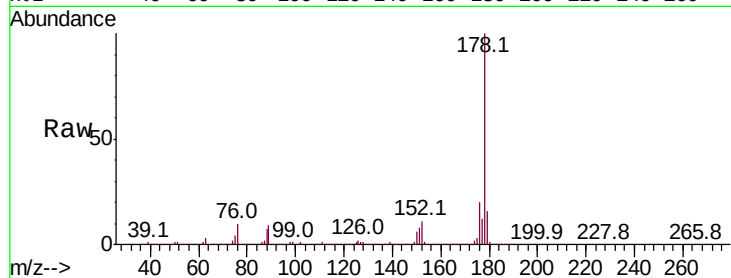
#71
Phenanthrene
Concen: 46.593 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.01 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion:178 Resp: 2267070
Ion Ratio Lower Upper
178 100
176 20.4 16.4 24.6
179 16.3 13.2 19.8

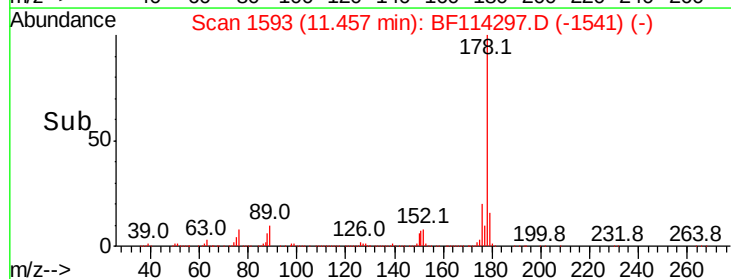
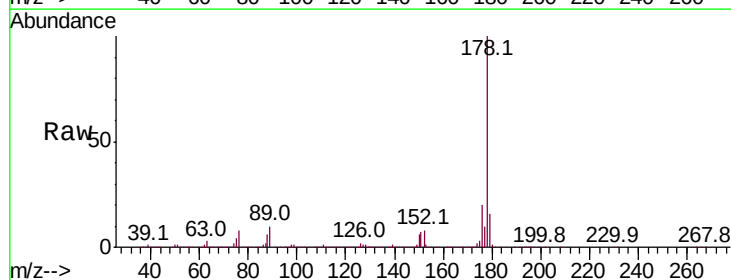
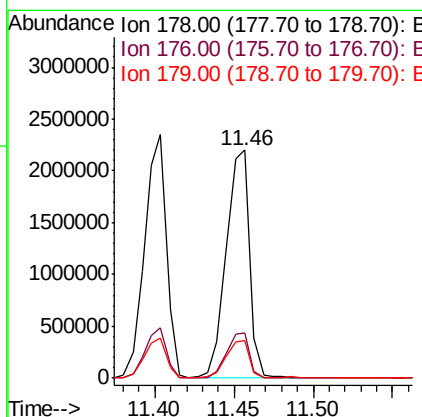
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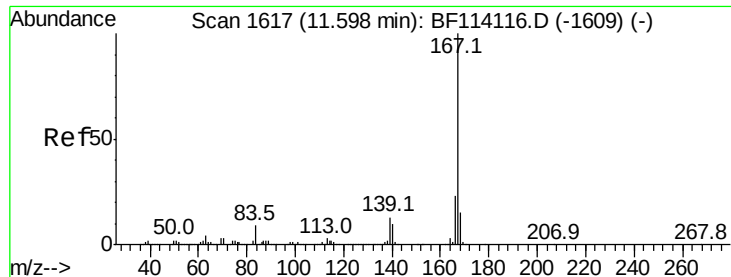
mohammad
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#72
Anthracene
Concen: 45.873 ng
RT: 11.46 min Scan# 1593
Delta R.T. 0.01 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Tgt Ion:178 Resp: 2241899
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.8
179 16.2 13.0 19.4





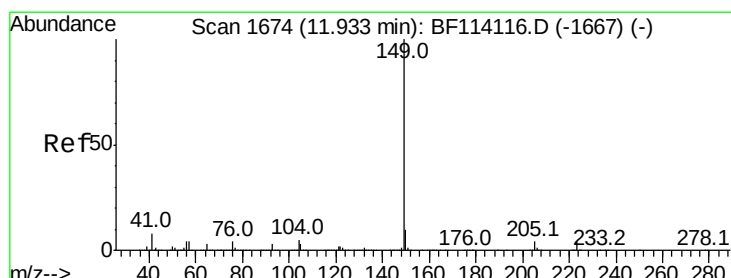
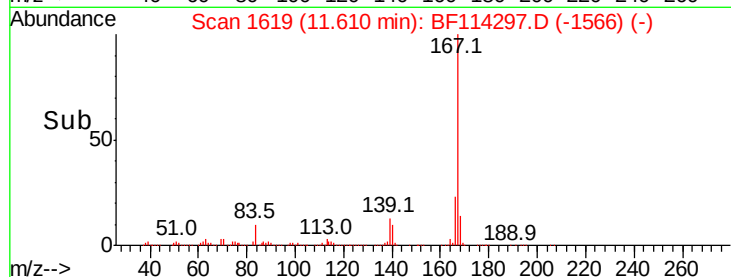
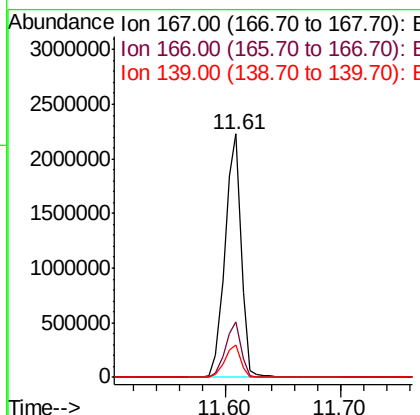
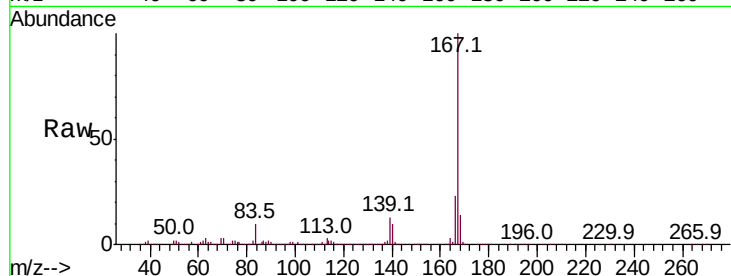
#73
 Carbazole
 Concen: 46.211 ng
 RT: 11.61 min Scan# 1619
 Delta R.T. 0.01 min
 Lab File: BF114297.D
 Acq: 15 May 2019 20:59

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.0	18.2	27.2
139	13.4	10.6	16.0

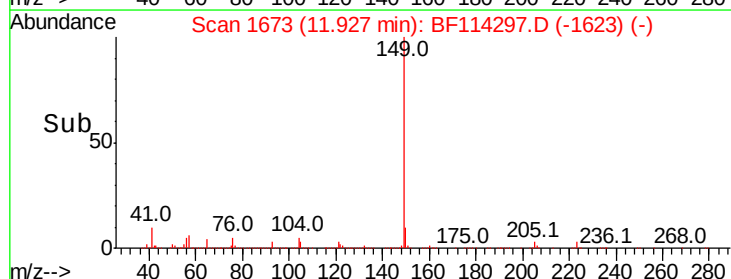
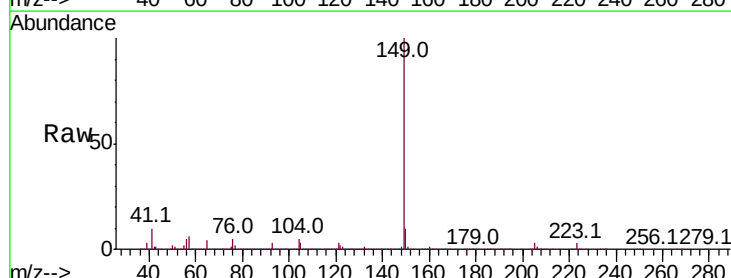
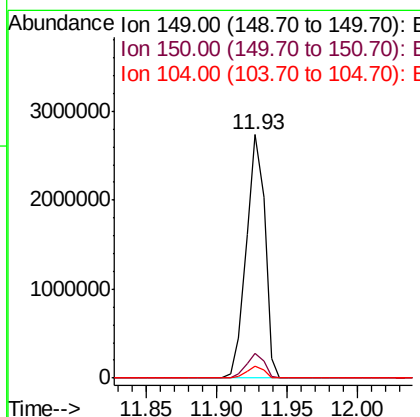
Manual Integrations
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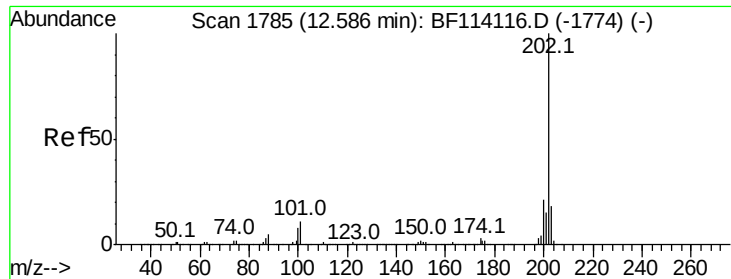
mohammad
 5/16/2019 9:51:12 AM



#74
 Di-n-butylphthalate
 Concen: 46.905 ng
 RT: 11.93 min Scan# 1673
 Delta R.T. -0.01 min
 Lab File: BF114297.D
 Acq: 15 May 2019 20:59

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.2	7.7	11.5
104	4.9	3.6	5.4





#75

Fluoranthene

Concen: 48.520 ng

RT: 12.59 min Scan# 1786

Delta R.T. 0.01 min

Lab File: BF114297.D

Acq: 15 May 2019 20:59

Instrument :

BNA_F

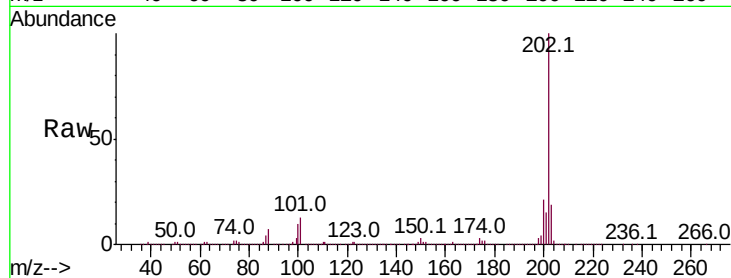
ClientSampleId :

SOIL-COMPMSD

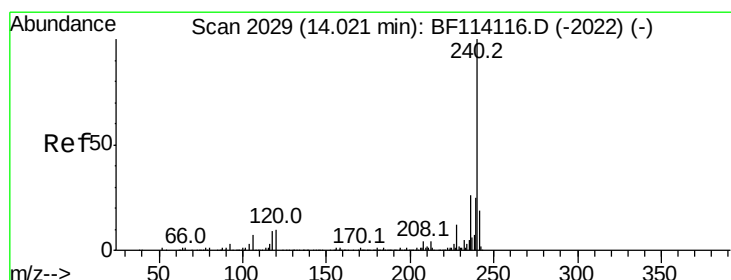
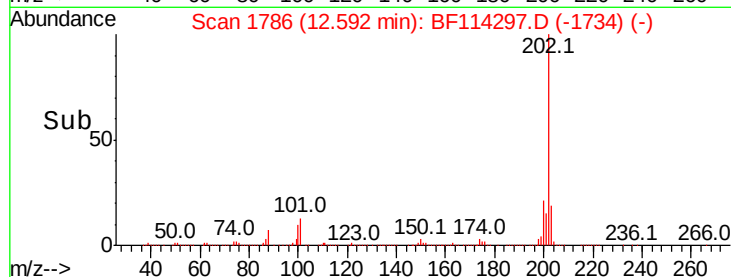
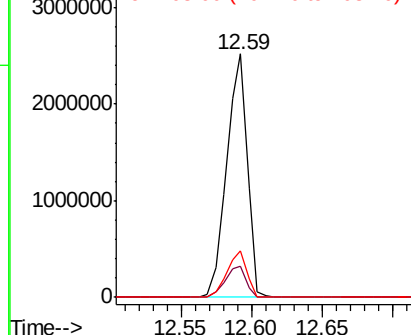
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	31.0
203	19.2	0.0	38.4

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

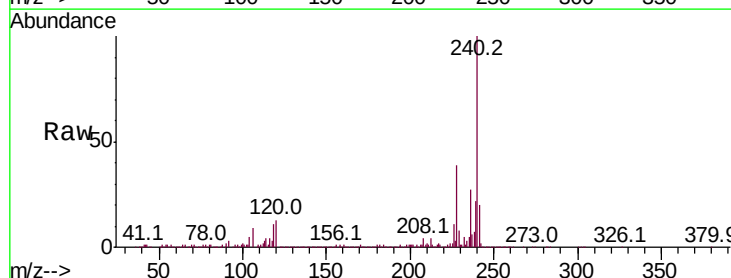
RT: 14.02 min Scan# 2029

Delta R.T. -0.00 min

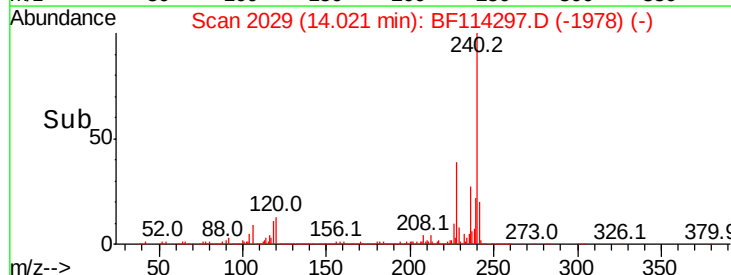
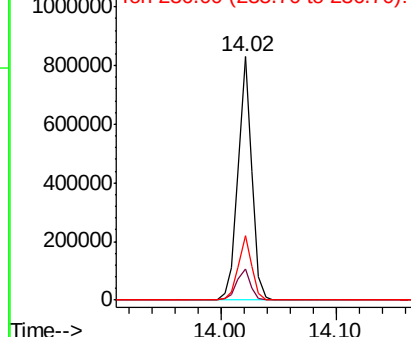
Lab File: BF114297.D

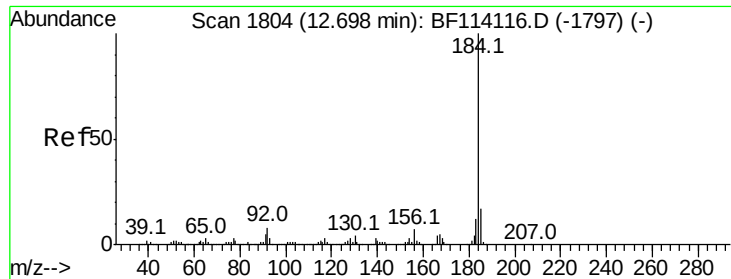
Acq: 15 May 2019 20:59

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.0	8.3	12.5#
236	26.7	20.8	31.2



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 34.283 ng

RT: 12.70 min Scan# 1805

Delta R.T. 0.01 min

Lab File: BF114297.D

Acq: 15 May 2019 20:59

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

Tot Ion:184 Resp: 1048141

Ion Ratio Lower Upper

184 100

185 14.3 13.6 20.4

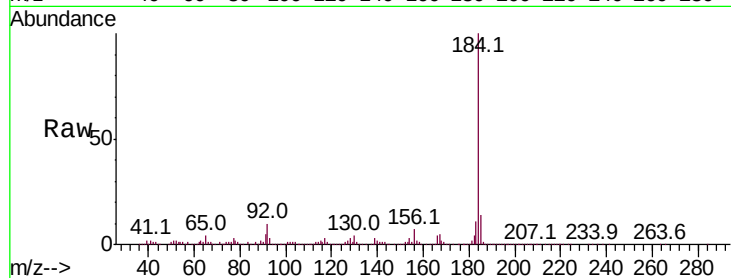
183 11.2 9.2 13.8

Manual Integrations

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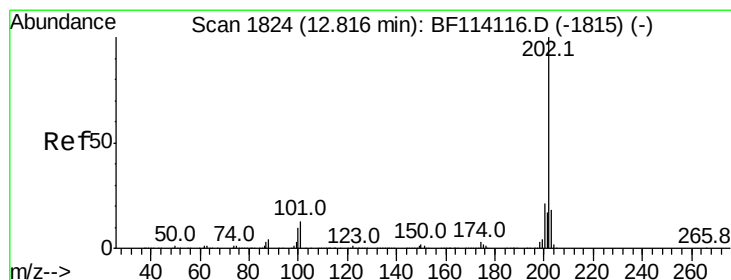
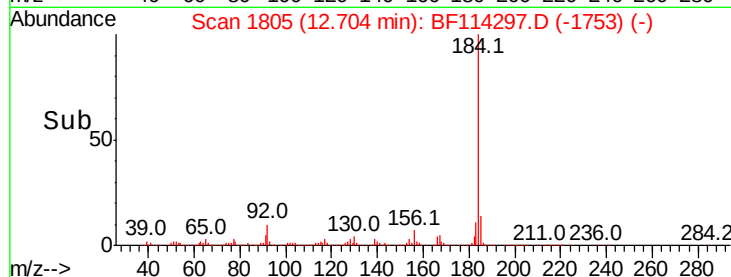
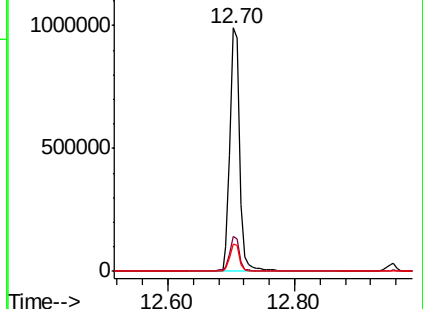
5/16/2019 9:51:12 AM



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: 46.827 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.01 min

Lab File: BF114297.D

Acq: 15 May 2019 20:59

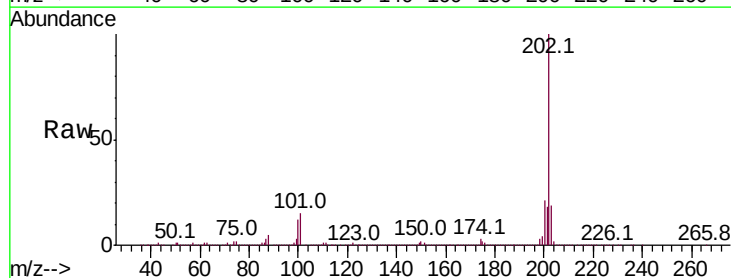
Tgt Ion:202 Resp: 2565671

Ion Ratio Lower Upper

202 100

200 21.1 16.9 25.3

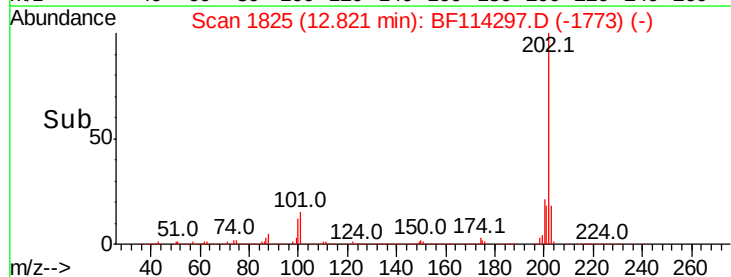
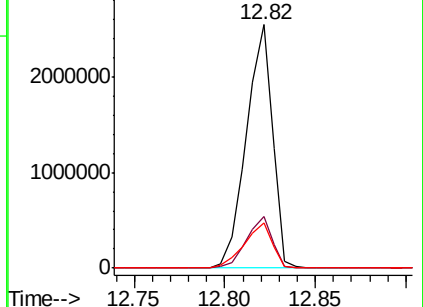
203 18.5 14.5 21.7

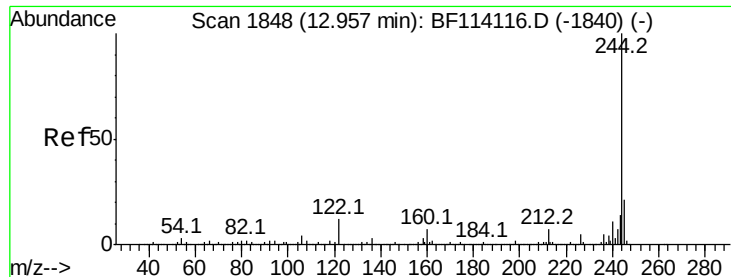


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 70.881 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.00 min

Lab File: BF114297.D

Acq: 15 May 2019 20:59

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

Tot Ion:244 Resp: 2341903

Ion Ratio Lower Upper

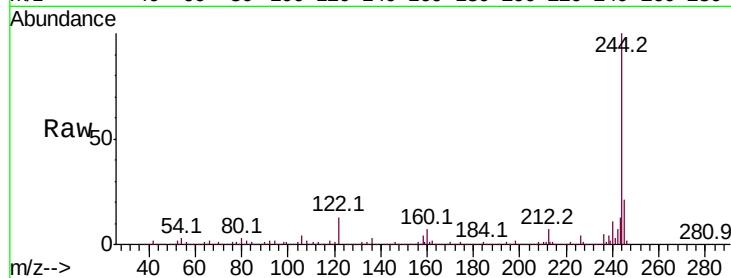
244 100

212 7.4 5.8 8.6

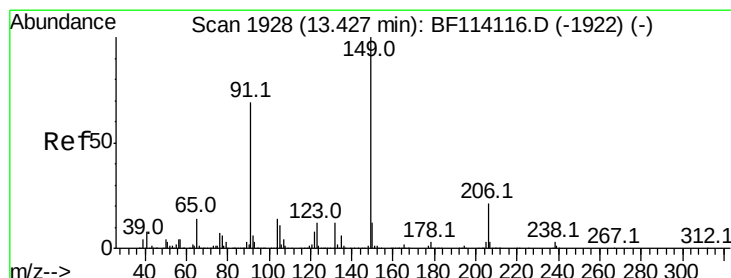
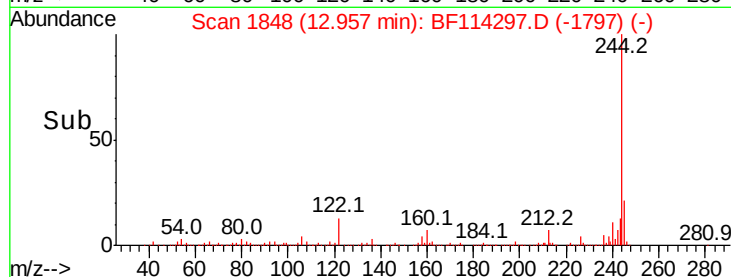
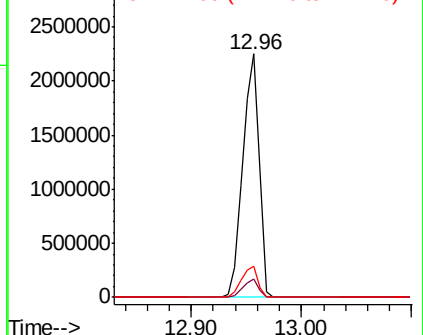
122 12.9 9.4 14.2

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



#80

Butylbenzylphthalate

Concen: 51.275 ng

RT: 13.43 min Scan# 1928

Delta R.T. -0.00 min

Lab File: BF114297.D

Acq: 15 May 2019 20:59

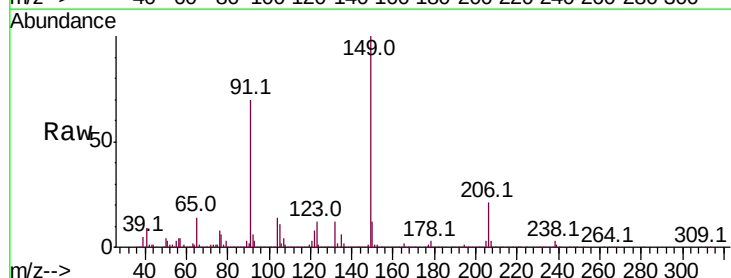
Tgt Ion:149 Resp: 1182494

Ion Ratio Lower Upper

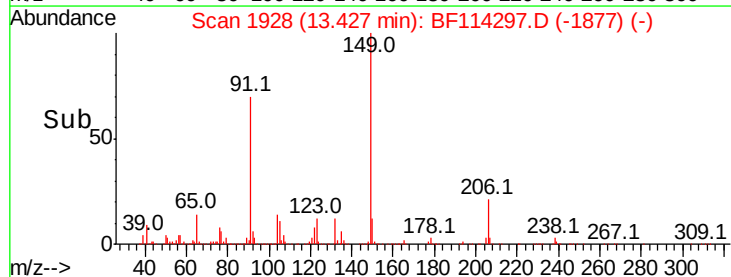
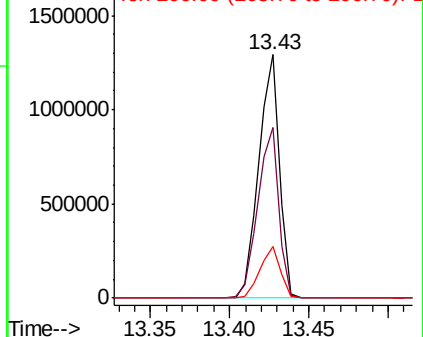
149 100

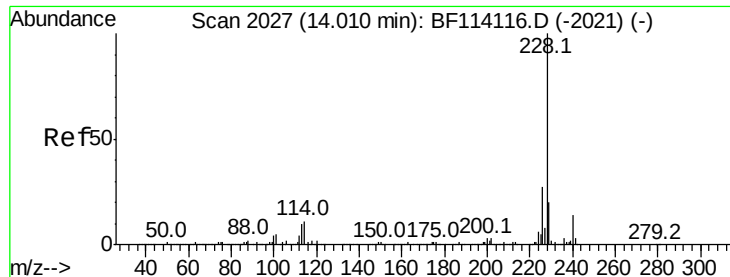
91 70.0 55.0 82.4

206 21.1 16.9 25.3



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





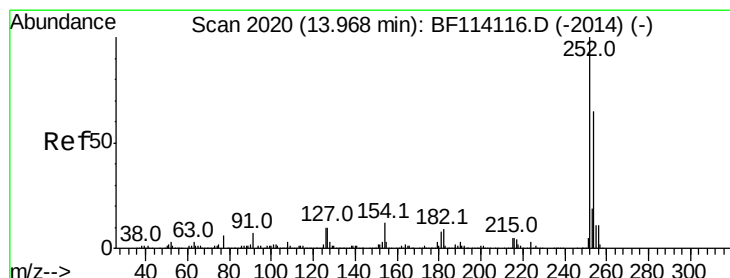
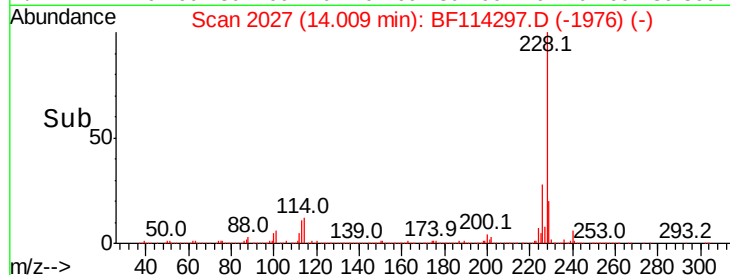
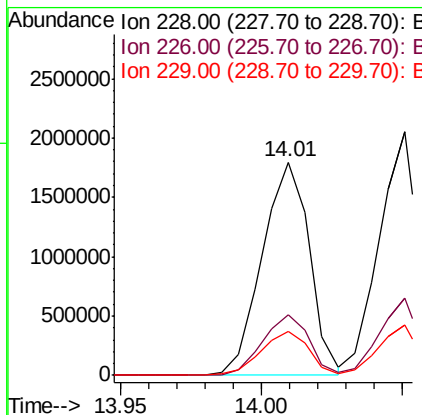
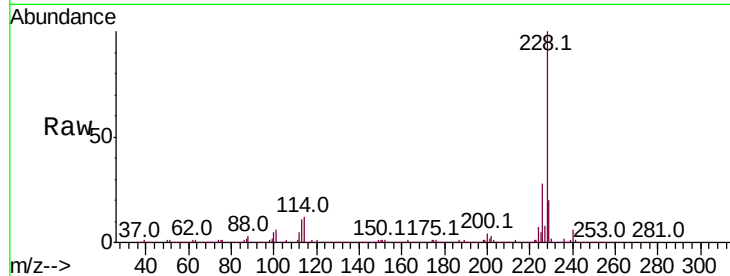
#81
Benzo(a)anthracene
Concen: 47.002 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.2	33.2
229	20.4	16.4	24.6

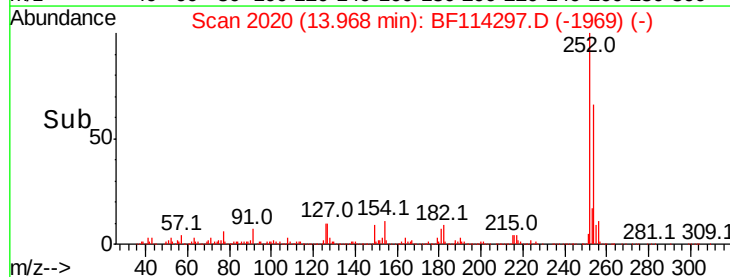
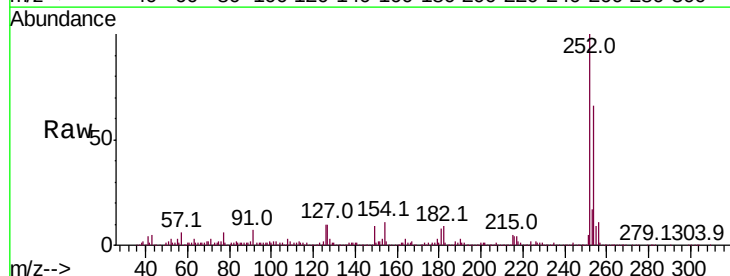
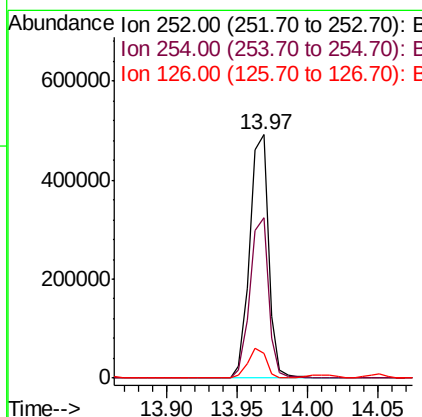
Manual Integrations
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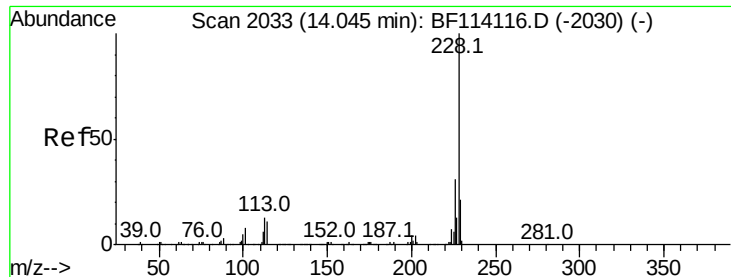
mohammad
5/16/2019 9:51:12 AM



#82
3,3'-Dichlorobenzidine
Concen: 27.291 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.00 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Tgt Ion	Ratio	Lower	Upper
252	100		
254	66.0	51.9	77.9
126	10.0	7.9	11.9





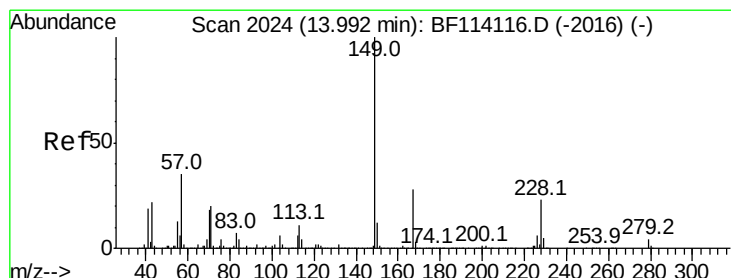
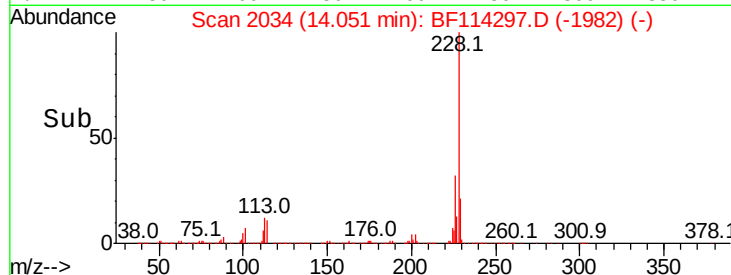
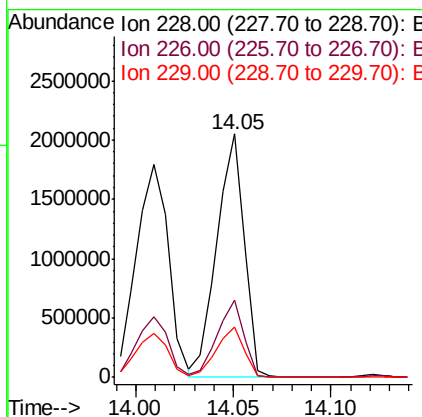
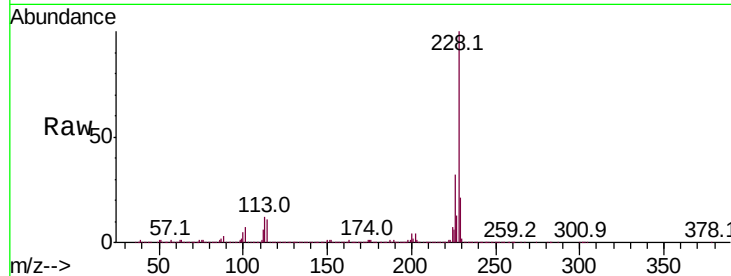
#83
Chrysene
Concen: 46.231 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.01 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.0	37.6
229	20.6	17.0	25.6

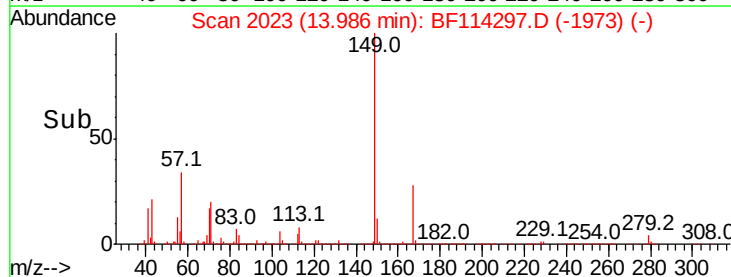
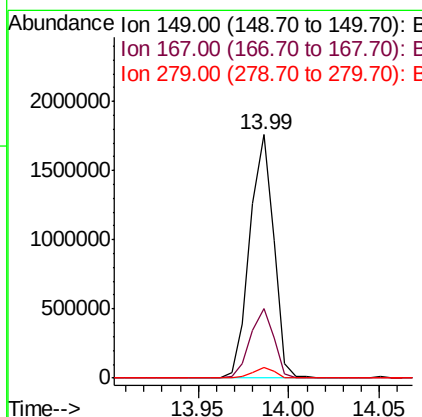
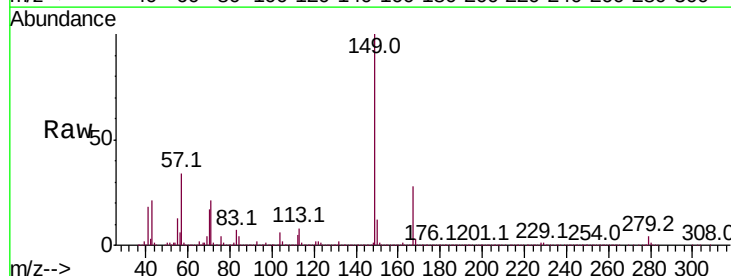
Manual Integrations
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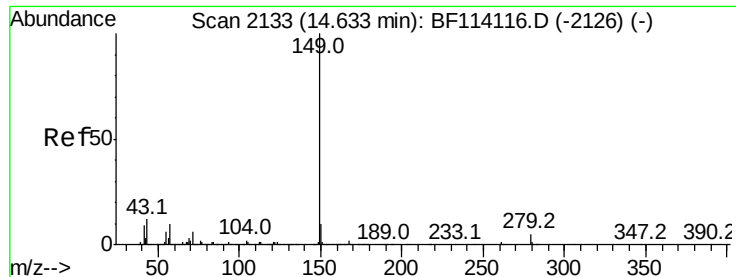
mohammad
5/16/2019 9:51:12 AM



#84
Bis(2-ethylhexyl)phthalate
Concen: 53.465 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.4	22.6	33.8
279	4.1	3.0	4.6





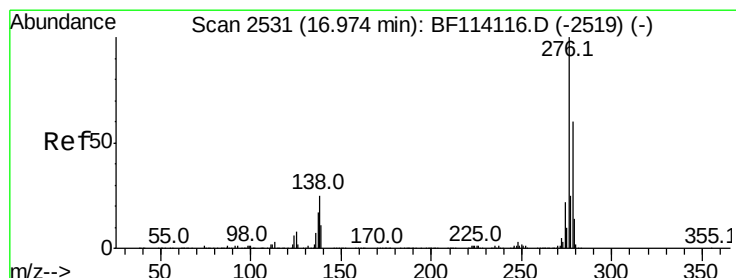
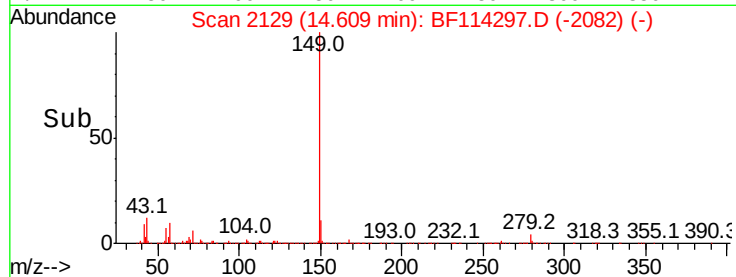
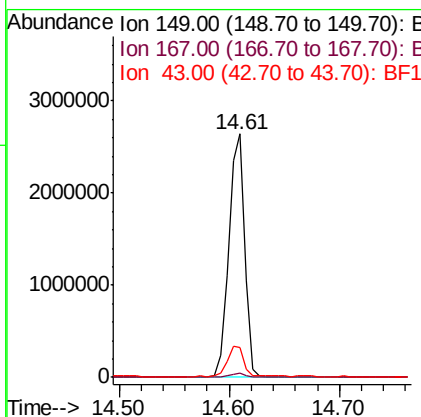
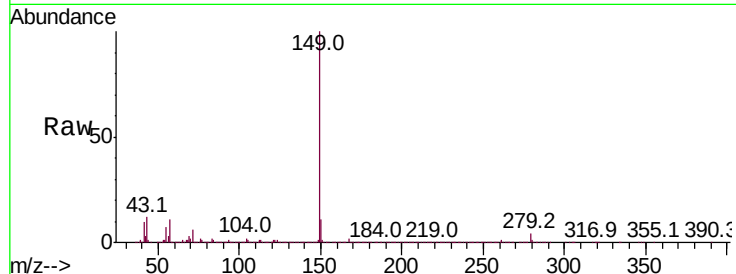
#85
Di-n-octyl phthalate
Concen: 54.330 ng
RT: 14.61 min Scan# 2129
Delta R.T. -0.02 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	12.8	10.1	15.1

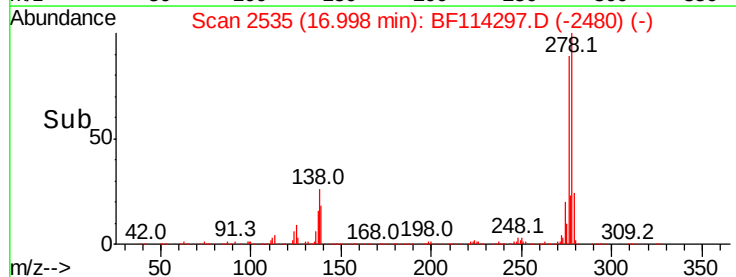
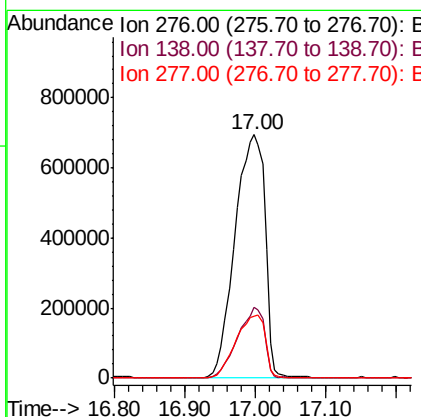
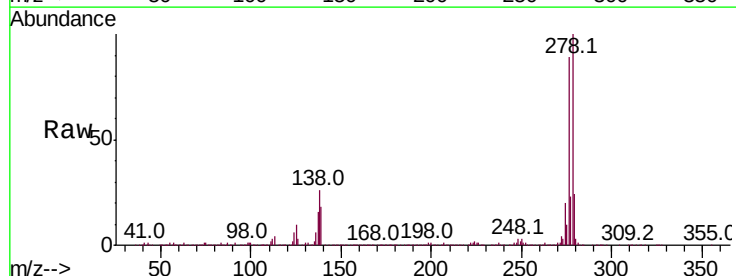
Manual Integrations
APPROVED

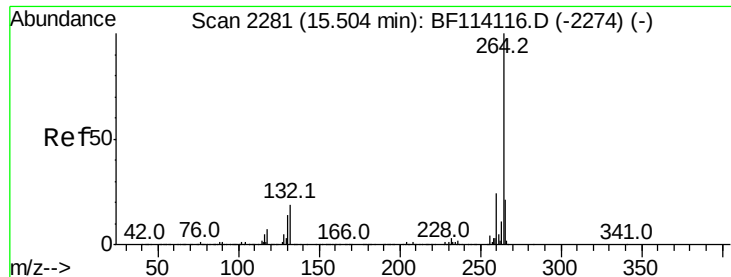
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 53.574 ng
RT: 17.00 min Scan# 2535
Delta R.T. 0.02 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.3	20.2	30.2
277	25.3	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BF114297.D

Acq: 15 May 2019 20:59

Instrument :

BNA_F

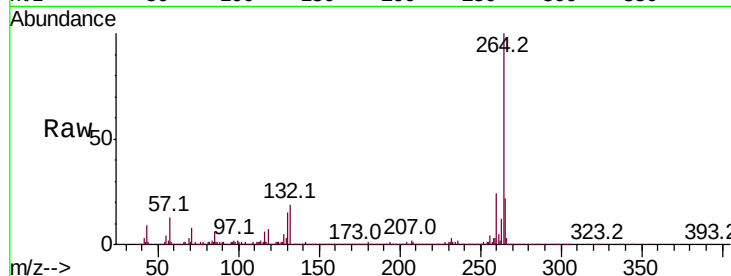
ClientSampleId :

SOIL-COMPMSD

Tot Ion:	264	Resp:	709862
Ion Ratio		Lower	Upper
264	100		
260	23.7	19.4	29.0
265	21.7	16.9	25.3

Manual Integrations
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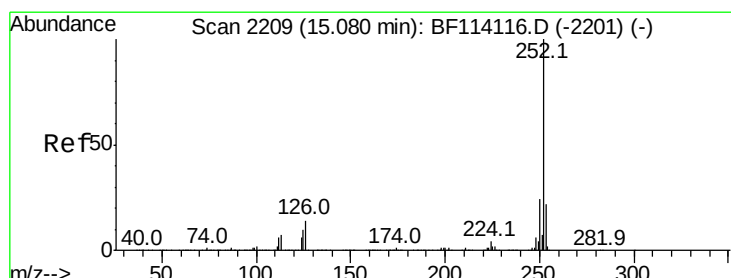
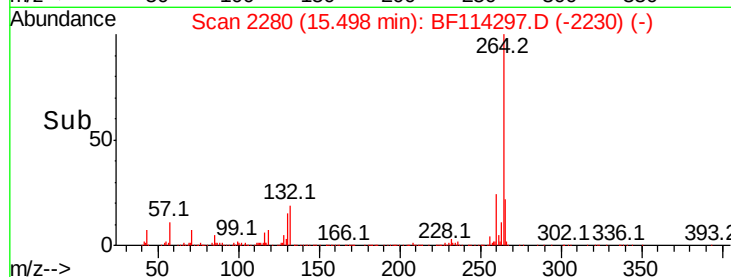
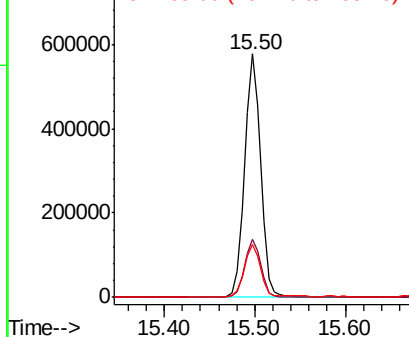


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 44.291 ng

RT: 15.07 min Scan# 2208

Delta R.T. -0.01 min

Lab File: BF114297.D

Acq: 15 May 2019 20:59

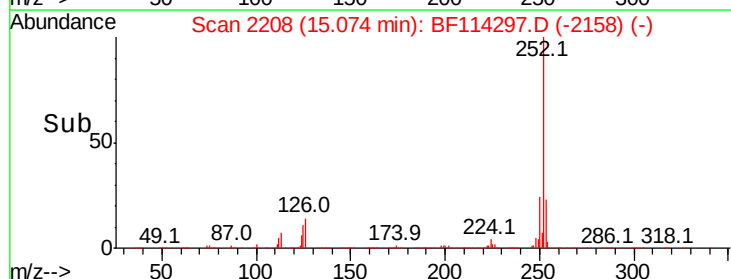
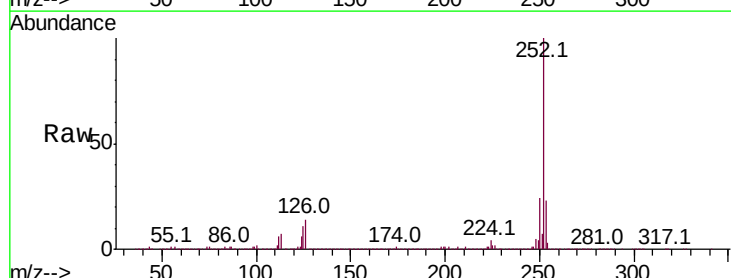
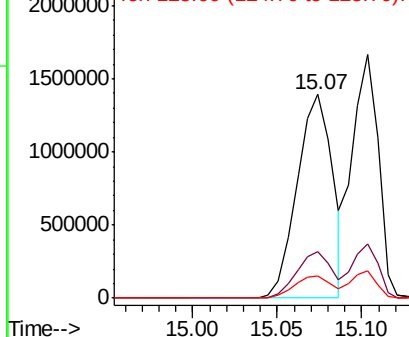
Tgt Ion:	252	Resp:	2014254
Ion Ratio		Lower	Upper
252	100		
253	22.6	17.8	26.8
125	11.1	8.3	12.5

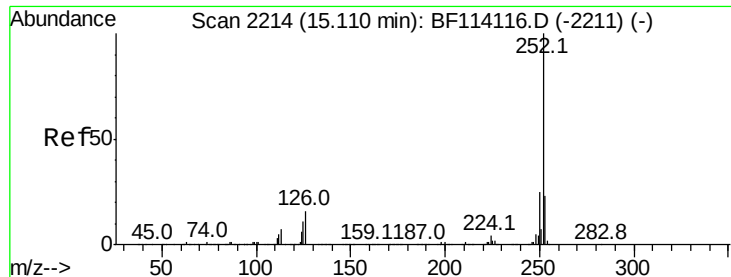
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





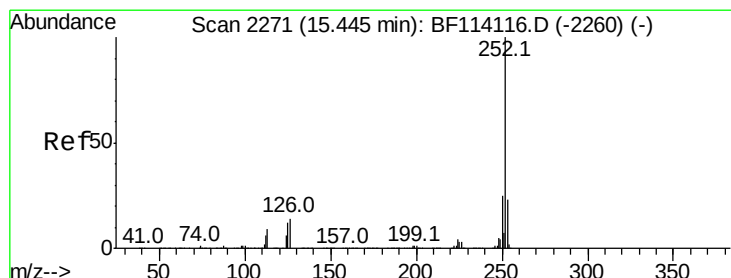
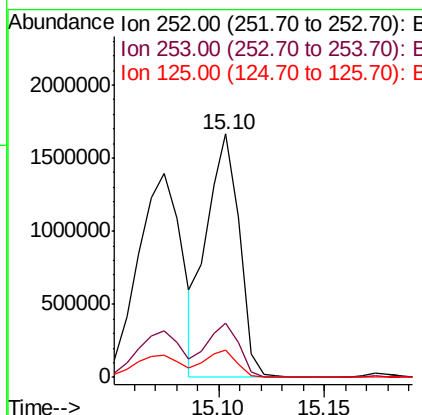
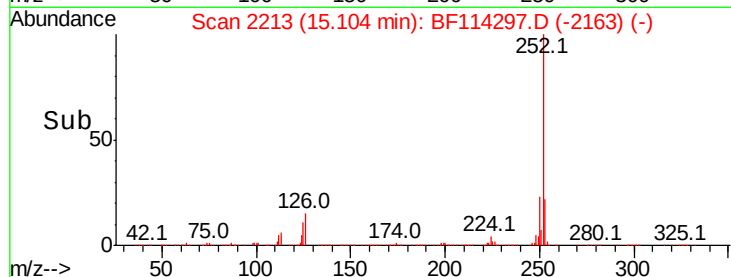
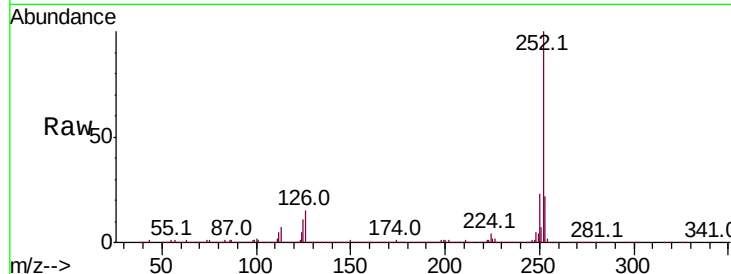
#89
Benzo(k)fluoranthene
Concen: 42.613 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.2
125	11.0	8.6	13.0

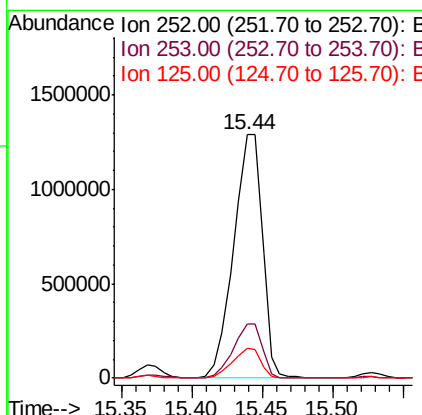
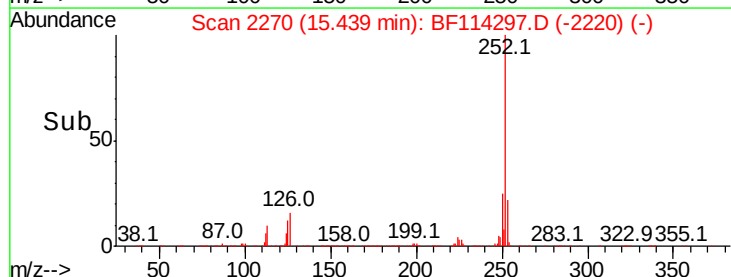
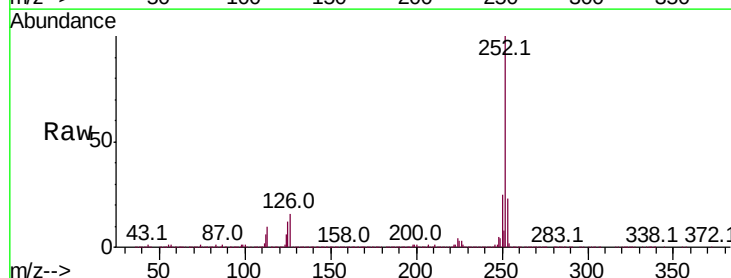
Manual Integrations
APPROVED

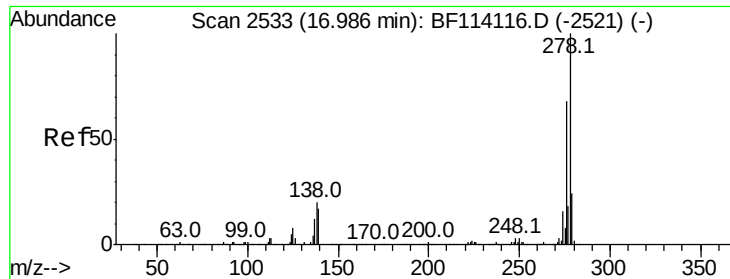
mohammad
5/16/2019 9:51:12 AM



#90
Benzo(a)pyrene
Concen: 45.582 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	12.4	9.5	14.3





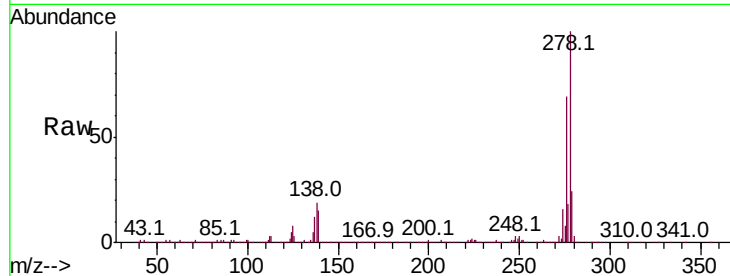
#91
Dibenzo(a,h)anthracene
Concen: 50.134 ng
RT: 17.01 min Scan# 2537
Delta R.T. 0.02 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

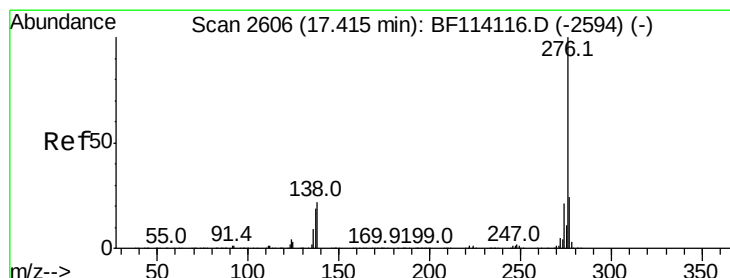
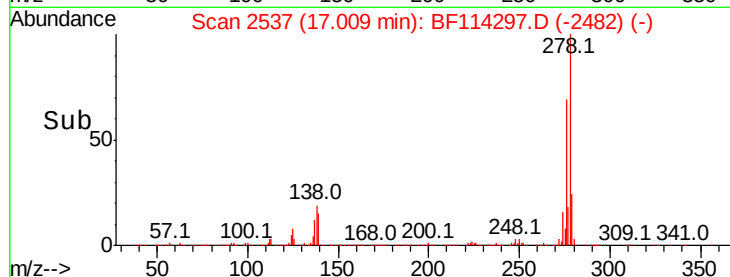
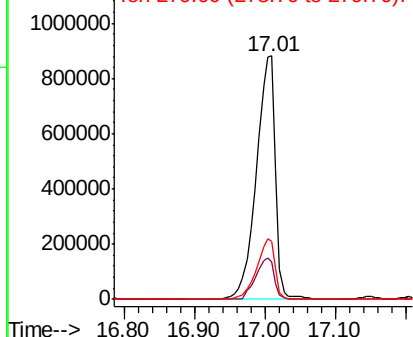
Tot Ion	Ratio	Lower	Upper
278	100		
139	15.4	13.5	20.3
279	23.6	19.0	28.6

Manual Integrations
APPROVED

mohammad
5/16/2019 9:51:12 AM



Abundance Ion 278.00 (277.70 to 278.70): E
1200000
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: 53.051 ng
RT: 17.44 min Scan# 2611
Delta R.T. 0.03 min
Lab File: BF114297.D
Acq: 15 May 2019 20:59

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.4
138	23.1	17.8	26.6

Abundance Ion 276.00 (275.70 to 276.70): E
1000000
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

