

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050817\
 Data File : BF094979.D
 Acq On : 8 May 2017 12:57
 Operator : SJ/MA
 Sample : I2872-15
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Manual Integrations
 APPROVED

mohammad
 5/9/2017 5:02:16 PM

Quant Time: May 08 14:11:24 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	105712	20.00	ng	0.00
21) Naphthalene-d8	9.74	136	409698	20.00	ng	-0.02
38) Acenaphthene-d10	12.57	164	179128	20.00	ng	-0.02
63) Phenanthrene-d10	14.97	188	350131	20.00	ng	-0.02
75) Chrysene-d12	18.65	240	250465	20.00	ng	0.00
86) Perylene-d12	20.32	264	190068	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	795942	125.53	ng	-0.01
7) Phenol-d6	7.28	99	922372	121.24	ng	0.00
23) Nitrobenzene-d5	8.62	82	536680	82.60	ng	-0.02
41) 2,4,6-Tribromophenol	13.87	330	205409	140.02	ng	-0.02
44) 2-Fluorobiphenyl	11.52	172	1086116	87.27	ng	-0.01
78) Terphenyl-d14	17.30	244	957722	84.22	ng	-0.01

Target Compounds						Qvalue
8) 2-Chlorophenol	7.42	128	1000657	138.65	ng	96
10) Phenol	7.31	94	1386175	172.91	ng	90
11) bis(2-Chloroethyl)ether	7.38	93	1164440	175.94	ng	97
12) 1,3-Dichlorobenzene	7.64	146	1514638	185.01	ng	100
13) 1,4-Dichlorobenzene	7.76	146	1291353	155.54	ng	96
14) 1,2-Dichlorobenzene	7.99	146	624280	80.56	ng	96
24) Nitrobenzene	8.67	77	1253299	184.04	ng	93
29) 2,4-Dichlorophenol	9.57	162	1150225	205.04	ng	99
36) 4-Chloro-3-methylphenol	10.75	107	970624	161.83	ng	89
43) 2,4,5-Trichlorophenol	11.46	196	637562	161.28	ng	94
46) 2-Chloronaphthalene	11.69	162	1781303	146.28	ng	94
48) Acenaphthylene	12.35	152	2214528	116.10	ng	100
49) Dimethylphthalate	12.21	163	1215821	82.68	ng	99
51) Acenaphthene	12.62	154	832613	73.08	ng	100
55) 4-Nitrophenol	12.95	139	431806	223.27	ng	# 76
57) Fluorene	13.47	166	971756	70.89	ng	99
59) Diethylphthalate	13.38	149	2457056	174.32	ng	99
67) Hexachlorobenzene	14.38	284	771155	203.42	ng	# 87
70) Phenanthrene	15.01	178	1388375	69.01	ng	98
73) Di-n-butylphthalate	15.96	149	4034221	173.02	ng	100
74) Fluoranthene	16.75	202	1160929	56.26	ng	99
77) Pyrene	17.06	202	1360093	72.61	ng	100
79) Butylbenzylphthalate	17.97	149	1211082	139.00	ng	# 83
80) Benzo(a)anthracene	18.64	228	1415767	97.12	ng	99
82) Chrysene	18.69	228	1495415	106.10	ng	99
83) Bis(2-ethylhexyl)phthalate	18.71	149	1333157	107.39	ng	# 98
84) Di-n-octyl phthalate	19.47	149	1551445	76.23	ng	97
85) Indeno(1,2,3-cd)pyrene	21.64	276	1015152	88.69	ng	97
87) Benzo(b)fluoranthene	19.91	252	979788	83.42	ng	99
88) Benzo(k)fluoranthene	19.95	252	2174224m	191.92	ng	
89) Benzo(a)pyrene	20.27	252	1263352	116.57	ng	99
90) Dibenzo(a,h)anthracene	21.64	278	1070400	119.59	ng	98

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Quant Time: May 08 14:11:24 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 03 17:24:51 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

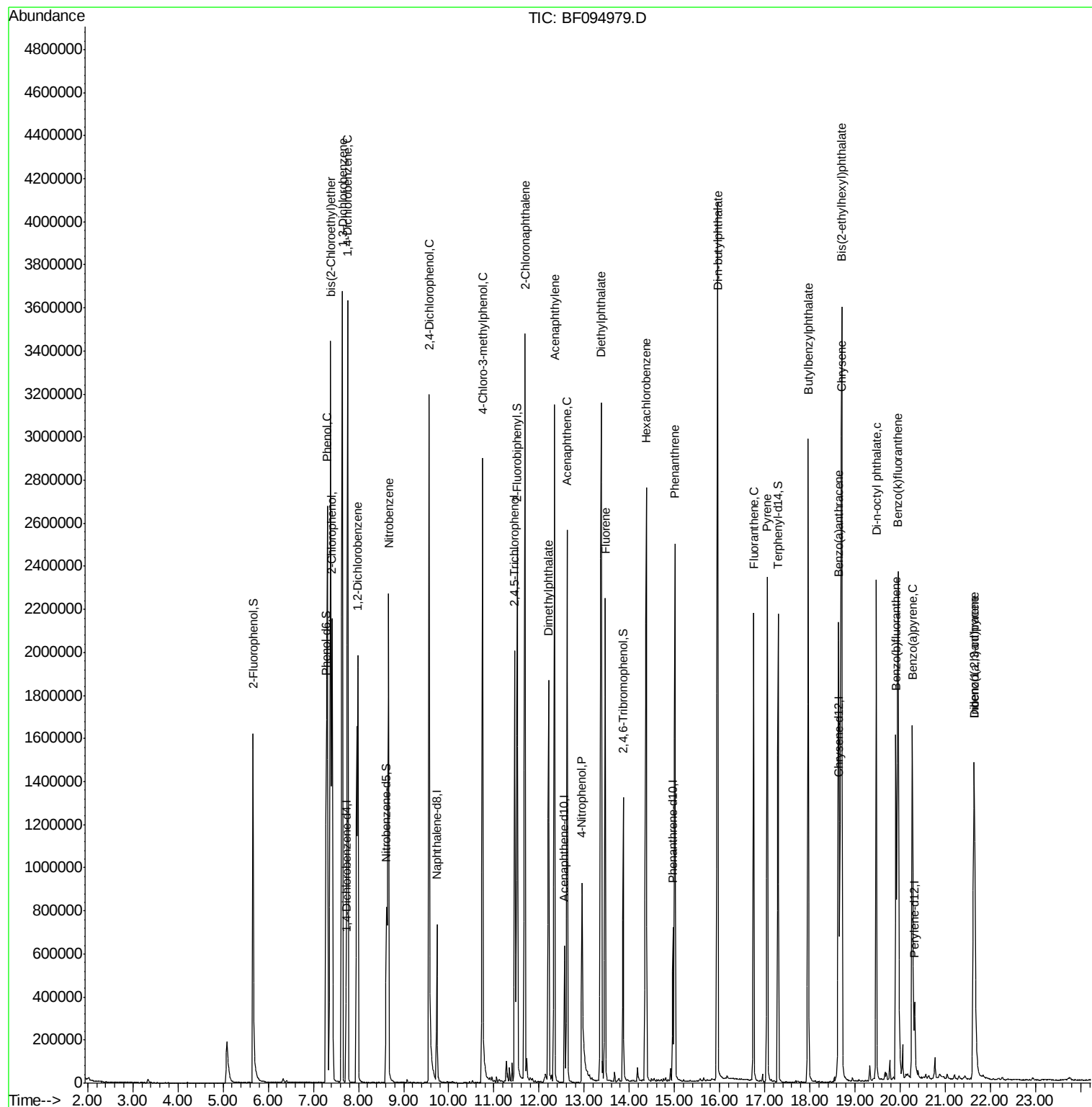
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050817\
Data File : BF094979.D
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ALS Vial : 3 Sample Multiplier: 1

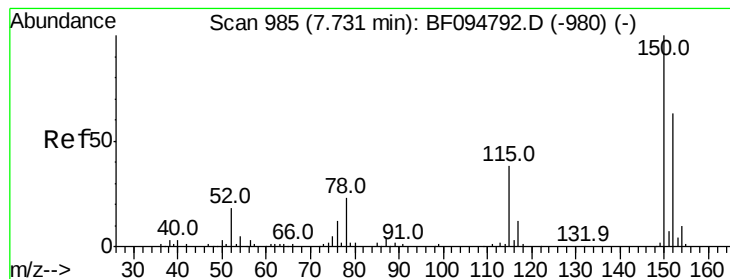
Instrument :
BNA_F
ClientSampleID :
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#1

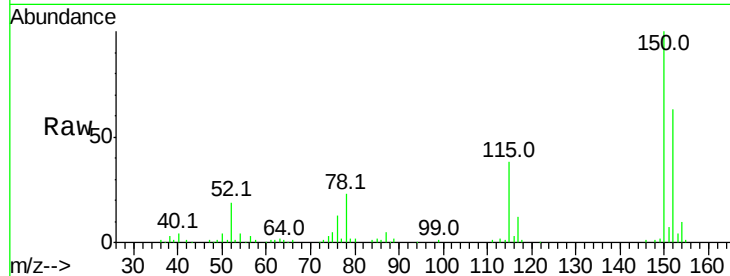
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.72 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF094979.D
Acq: 8 May 2017 12:57

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

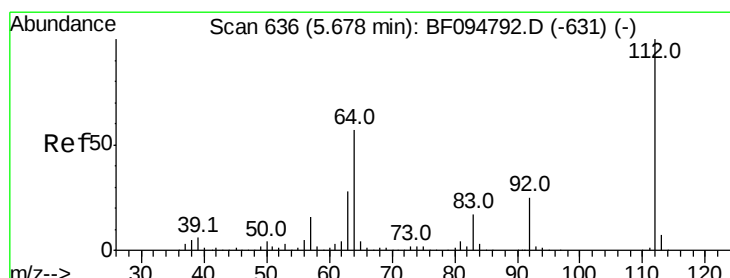
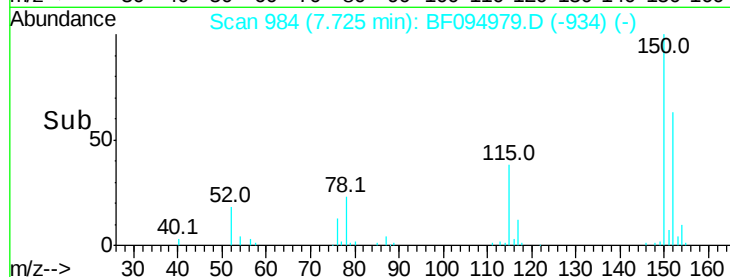
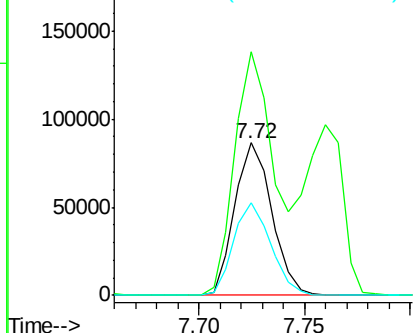
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.7	126.2	189.2
115	60.7	52.2	78.2

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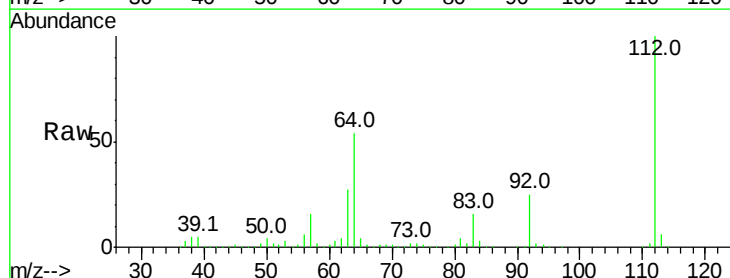
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



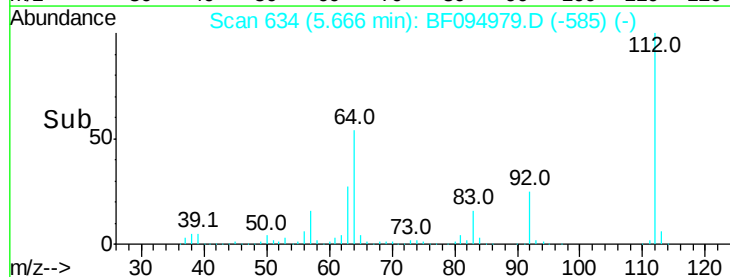
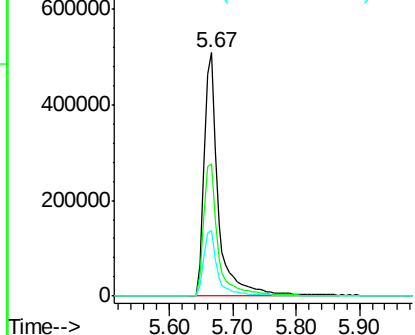
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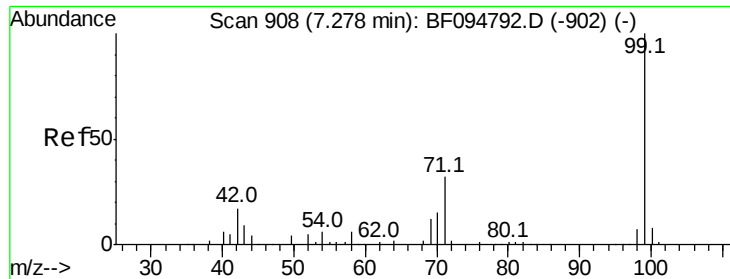
2-Fluorophenol
Concen: 125.53 ng
RT: 5.67 min Scan# 634
Delta R.T. -0.01 min
Lab File: BF094979.D
Acq: 8 May 2017 12:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.2	46.0	69.0
63	26.8	23.4	35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 121.24 ng

RT: 7.28 min Scan# 909

Delta R.T. 0.01 min

Lab File: BF094979.D

Acq: 8 May 2017 12:57

Instrument :

BNA_F

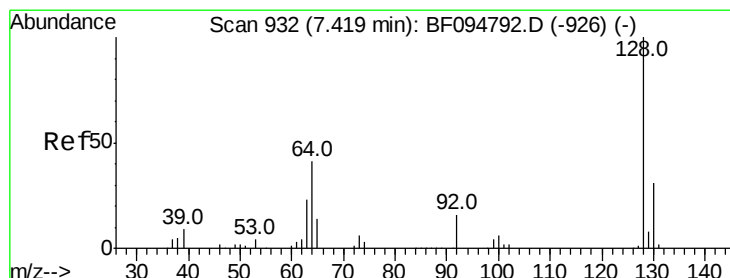
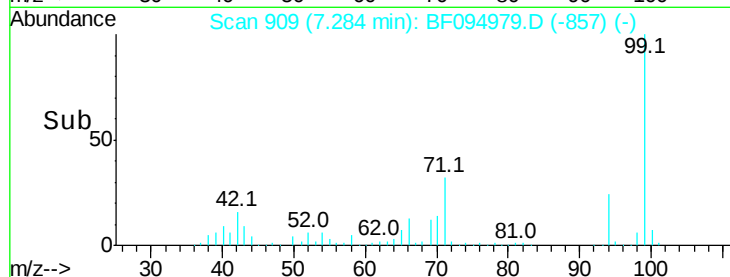
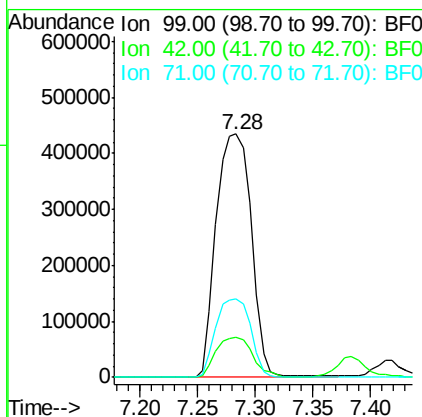
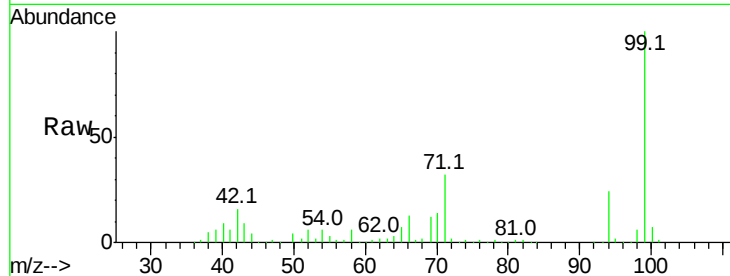
ClientSampled :

PT-BNA-SOIL

Tot Ion:	99	Resp:	922372
Ion Ratio	Lower	Upper	
99	100		
42	16.2	13.5	20.3
71	32.5	24.5	36.7

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#8

2-Chlorophenol

Concen: 138.65 ng

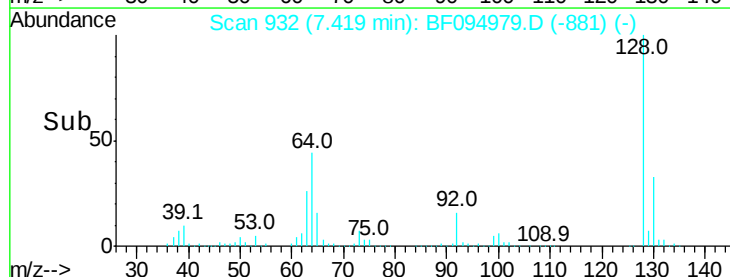
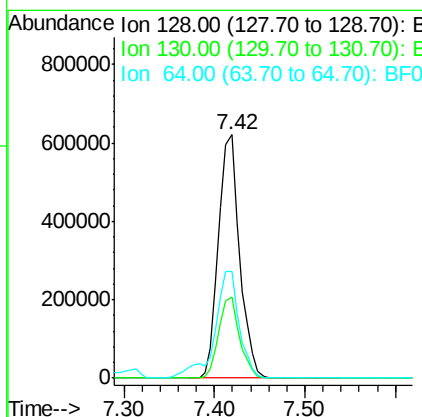
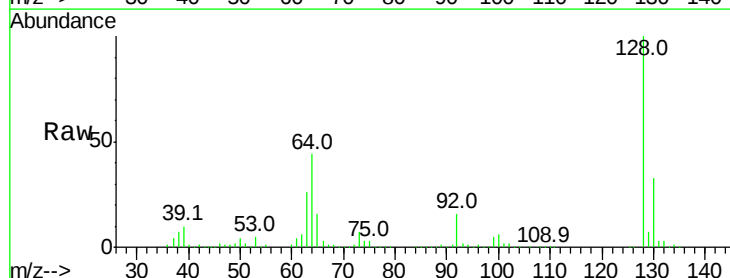
RT: 7.42 min Scan# 932

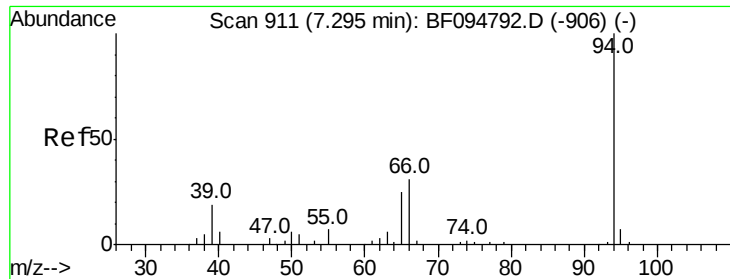
Delta R.T. 0.00 min

Lab File: BF094979.D

Acq: 8 May 2017 12:57

Tgt Ion:	128	Resp:	1000657
Ion Ratio	Lower	Upper	
128	100		
130	33.3	12.9	52.9
64	43.7	28.4	68.4





#10

Phenol

Concen: 172.91 ng

RT: 7.31 min Scan# 914

Delta R.T. 0.02 min

Lab File: BF094979.D

Acq: 8 May 2017 12:57

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

Tot Ion: 94 Resp: 1386175

Ion Ratio Lower Upper

94 100

65 26.3 9.9 49.9

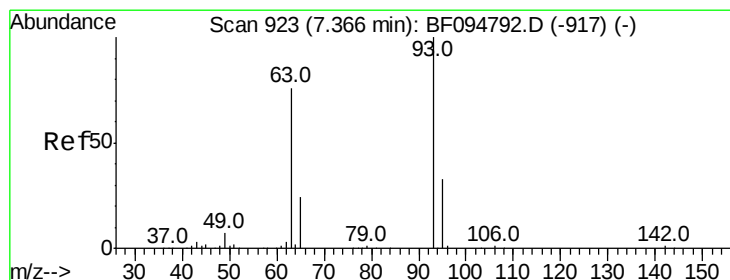
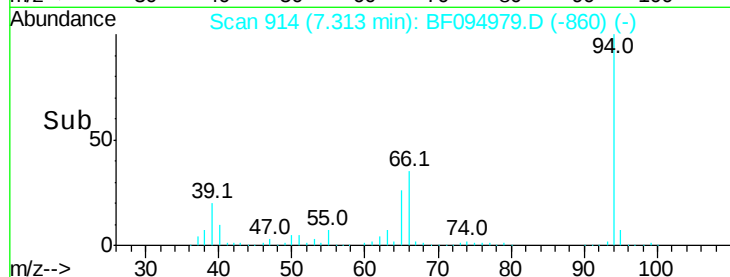
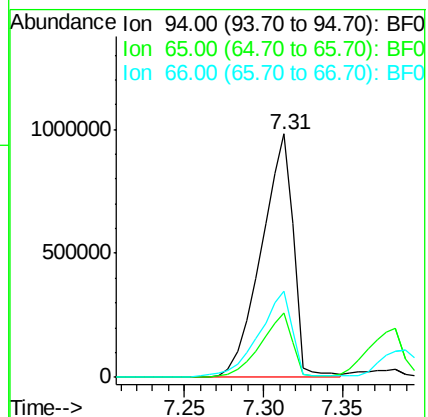
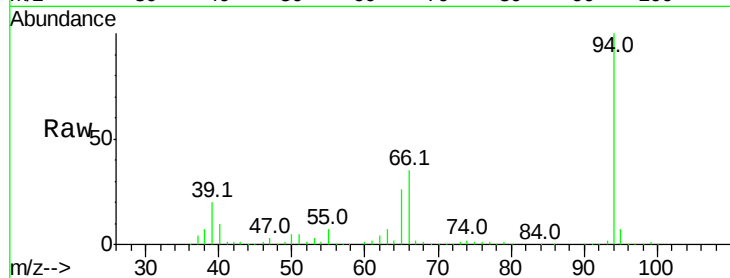
66 35.3 23.1 63.1

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#11

bis(2-Chloroethyl)ether

Concen: 175.94 ng

RT: 7.38 min Scan# 926

Delta R.T. 0.02 min

Lab File: BF094979.D

Acq: 8 May 2017 12:57

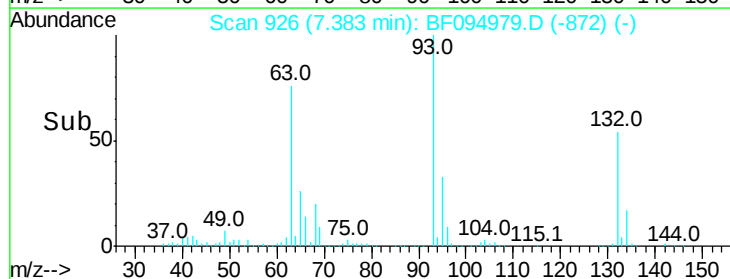
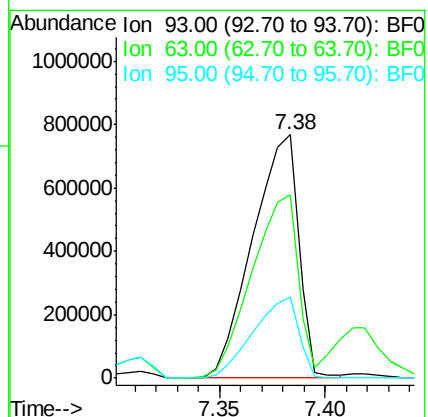
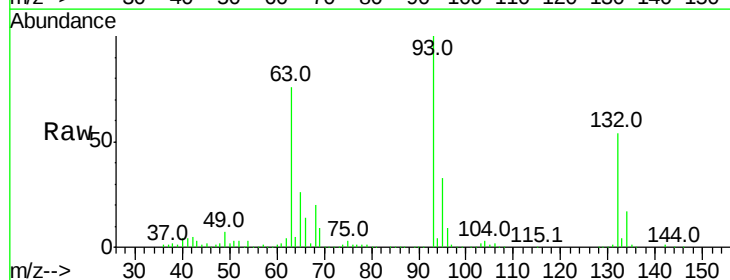
Tgt Ion: 93 Resp: 1164440

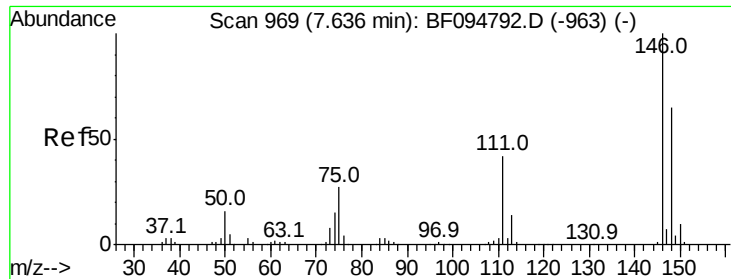
Ion Ratio Lower Upper

93 100

63 75.6 59.2 99.2

95 33.3 12.8 52.8





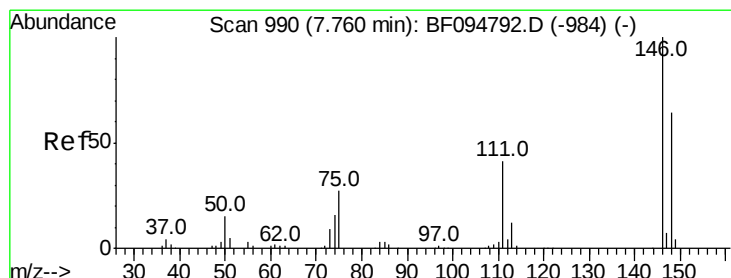
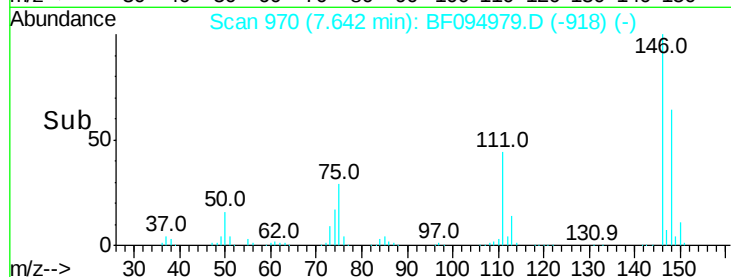
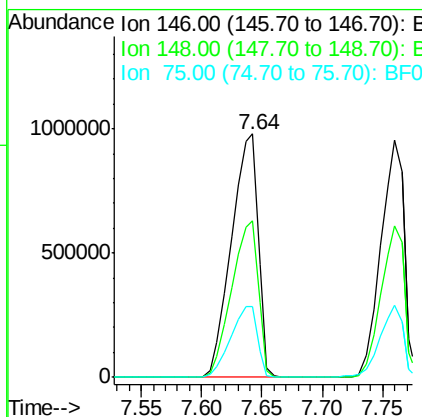
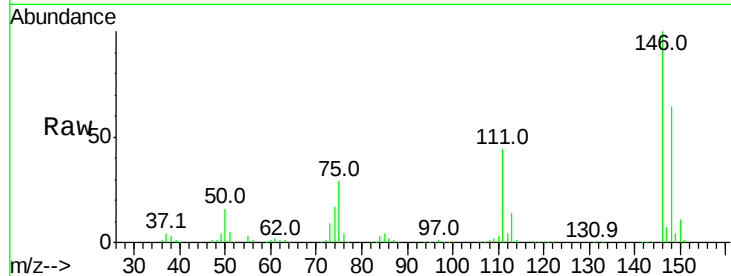
#12
 1,3-Dichlorobenzene
 Concen: 185.01 ng
 RT: 7.64 min Scan# 970
 Delta R.T. 0.01 min
 Lab File: BF094979.D
 Acq: 8 May 2017 12:57

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.8	77.6
75	29.2	23.1	34.7

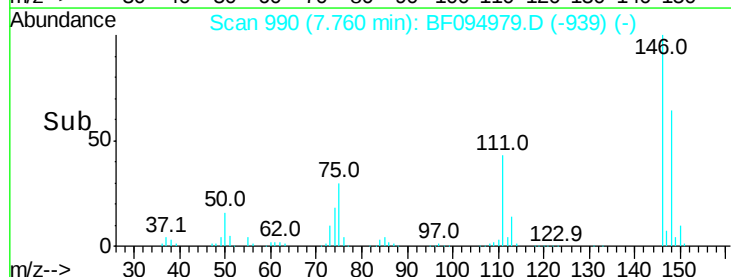
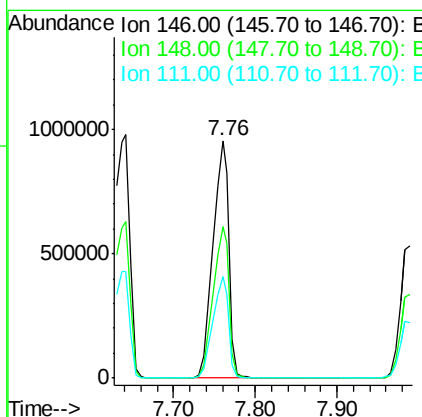
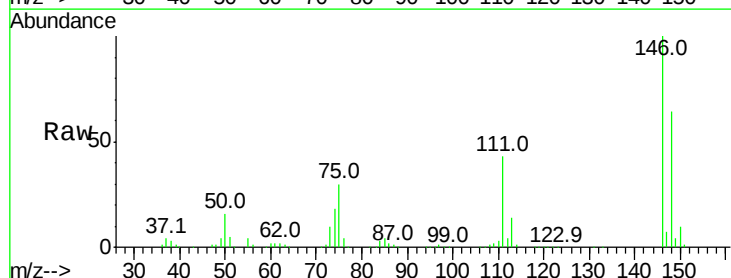
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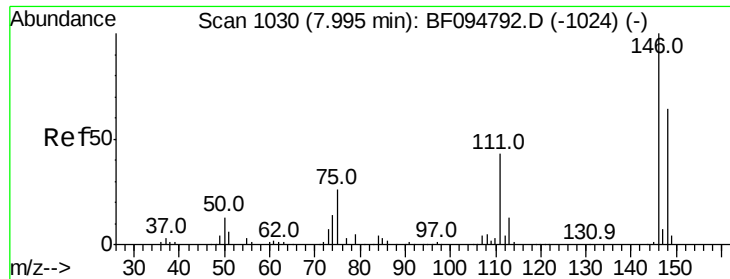
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#13
 1,4-Dichlorobenzene
 Concen: 155.54 ng
 RT: 7.76 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: BF094979.D
 Acq: 8 May 2017 12:57

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.9	52.2	78.2
111	43.0	30.3	45.5





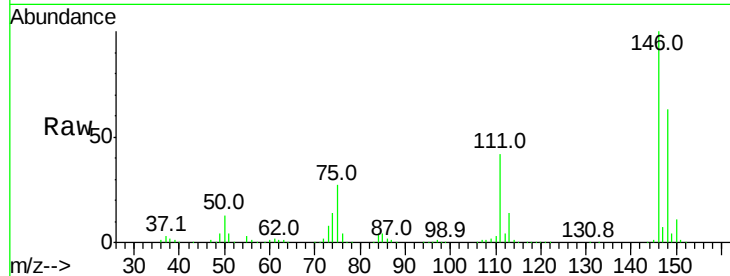
#14
 1,2-Dichlorobenzene
 Concen: 80.56 ng
 RT: 7.99 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: BF094979.D
 Acq: 8 May 2017 12:57

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.4	75.6
111	41.8	38.2	57.4

Manual Integrations
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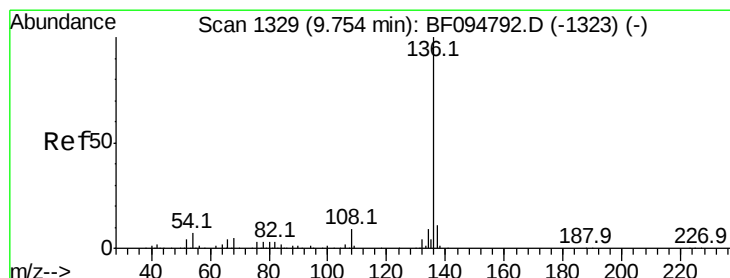
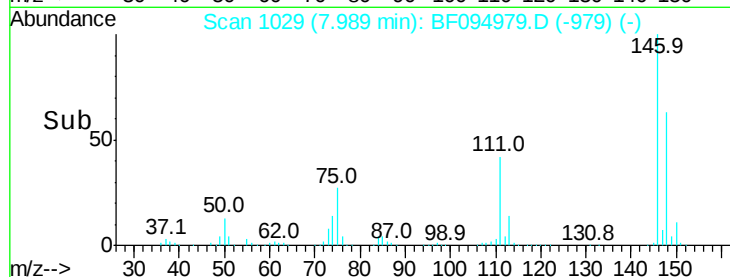
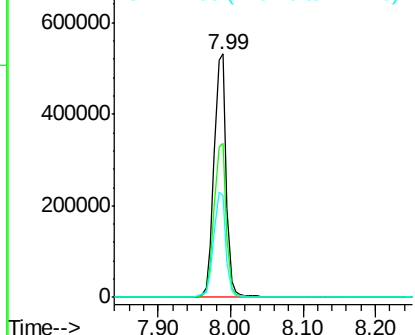


Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 9.74 min Scan# 1326
 Delta R.T. -0.02 min
 Lab File: BF094979.D
 Acq: 8 May 2017 12:57

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	7.1	4.9	7.3
68	5.5	4.1	6.1

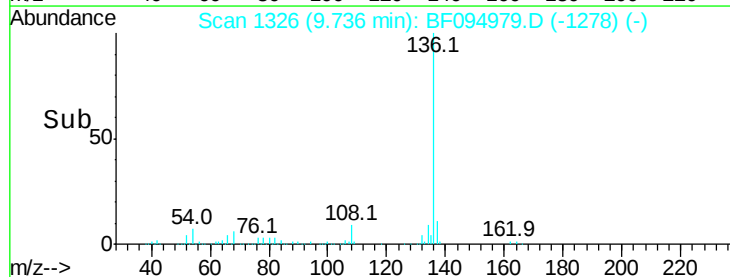
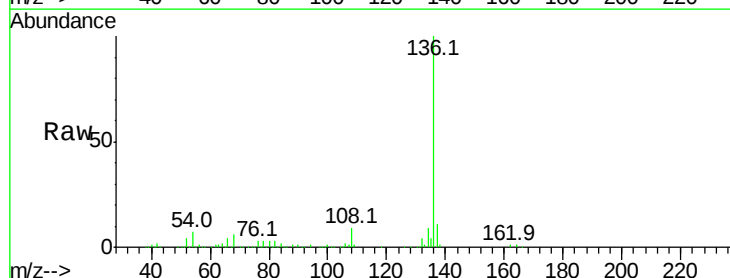
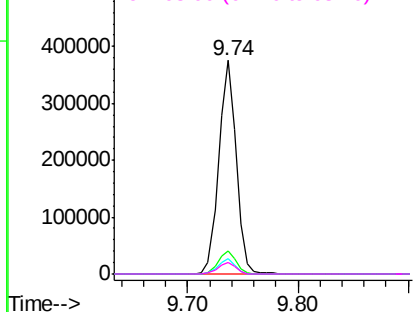
Abundance

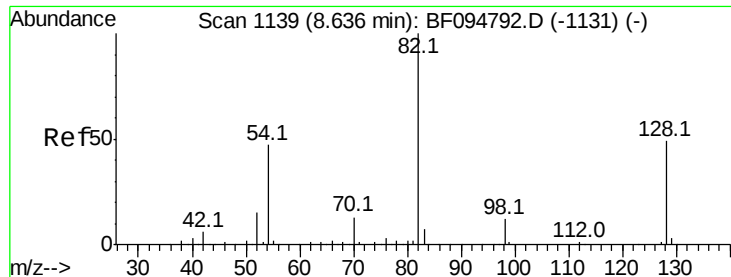
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





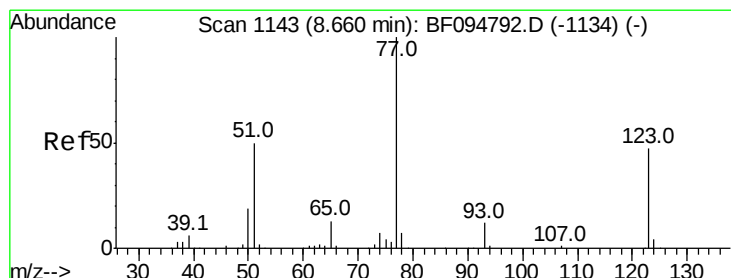
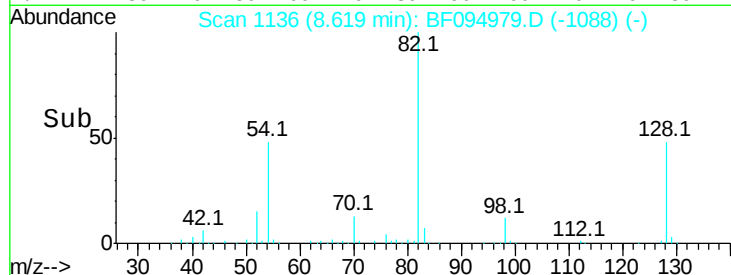
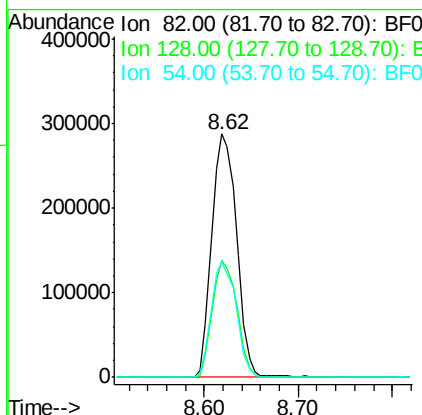
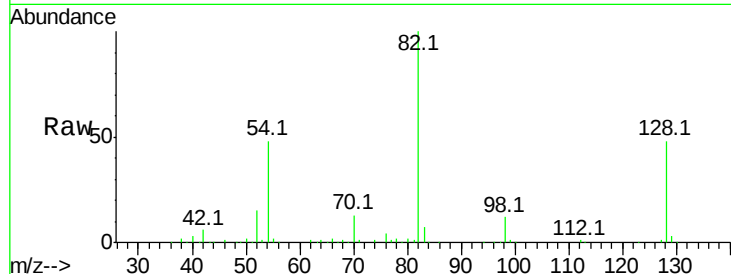
#23
 Nitrobenzene-d5
 Concen: 82.60 ng
 RT: 8.62 min Scan# 1136
 Delta R.T. -0.02 min
 Lab File: BF094979.D
 Acq: 8 May 2017 12:57

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.9	34.0	51.0	
54	47.7	42.2	63.2	

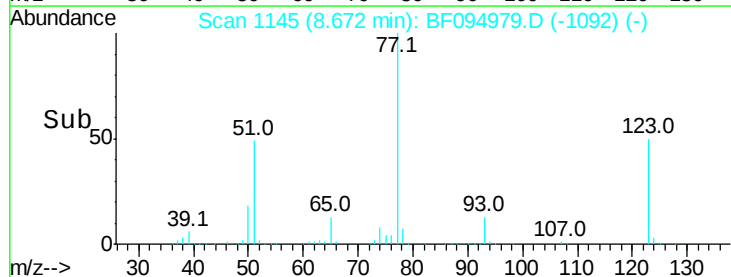
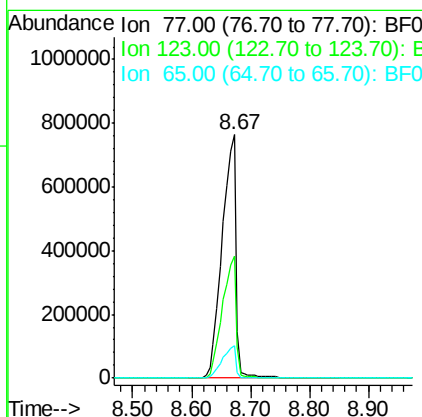
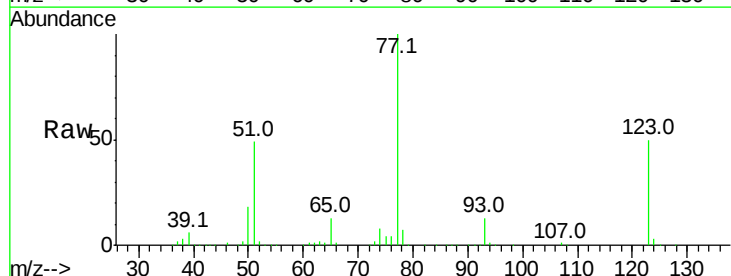
Manual Integrations
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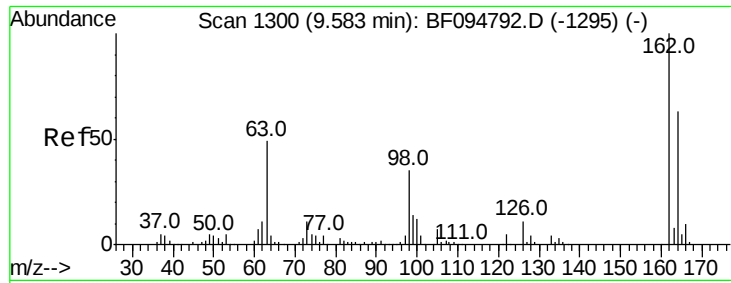
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 5/9/2017 5:02:16 PM



#24
 Nitrobenzene
 Concen: 184.04 ng
 RT: 8.67 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: BF094979.D
 Acq: 8 May 2017 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	50.3	35.8	53.8	
65	13.2	10.6	15.8	





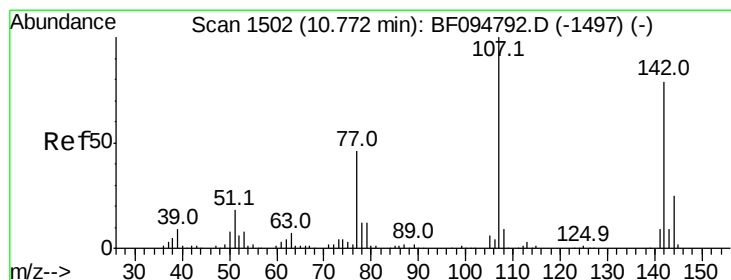
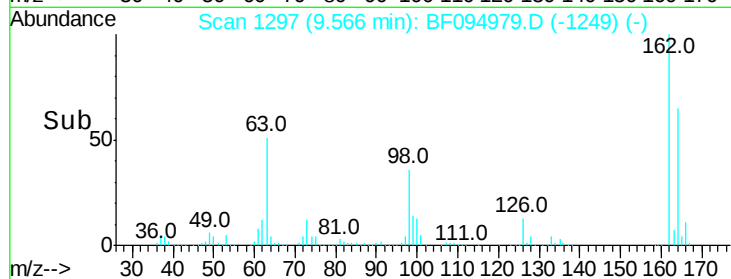
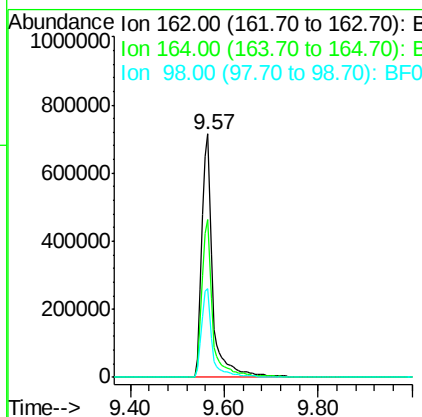
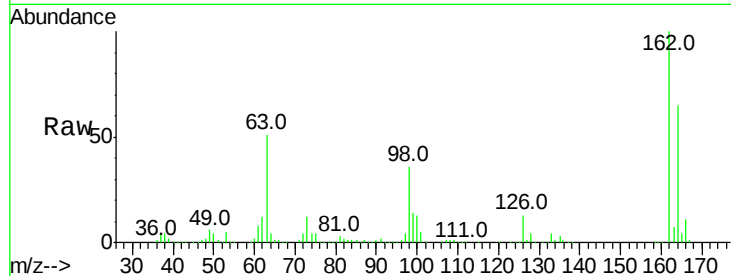
#29
 2,4-Dichlorophenol
 Concen: 205.04 ng
 RT: 9.57 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BF094979.D
 Acq: 8 May 2017 12:57

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
162	100	1150225		
164	64.7		44.6	84.6
98	36.3		14.8	54.8

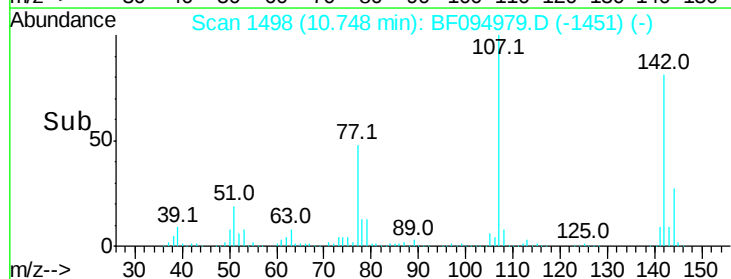
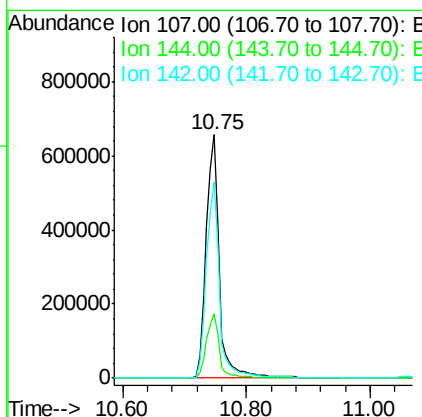
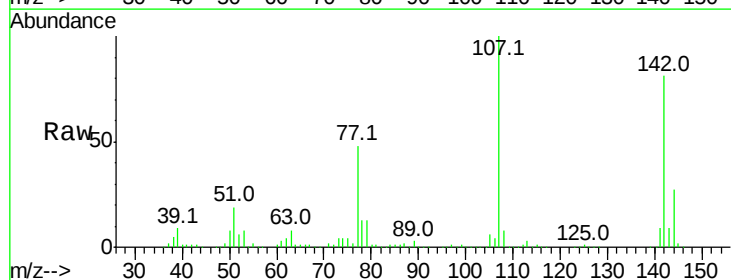
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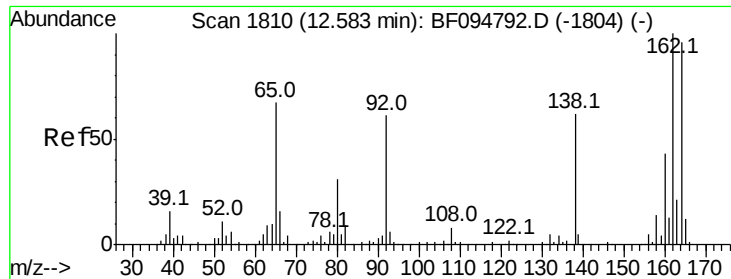
mohammad
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#36
 4-Chloro-3-methylphenol
 Concen: 161.83 ng
 RT: 10.75 min Scan# 1498
 Delta R.T. -0.02 min
 Lab File: BF094979.D
 Acq: 8 May 2017 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	970624		
144	26.5		24.2	36.4
142	80.6		73.4	110.0





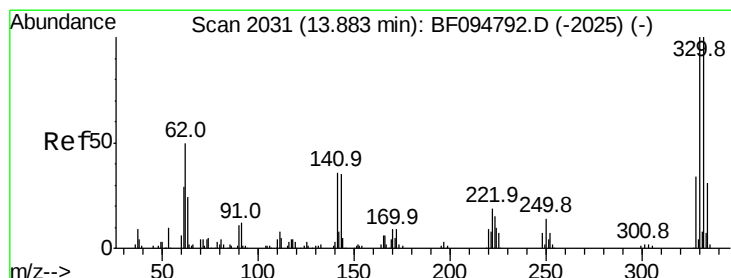
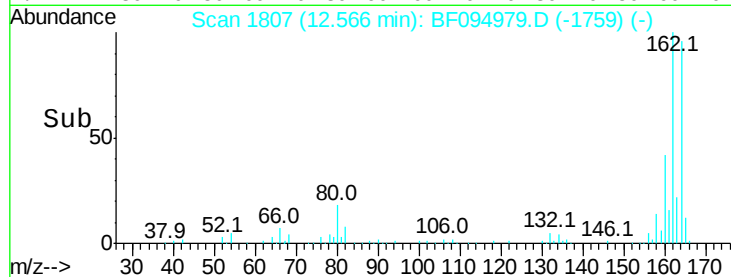
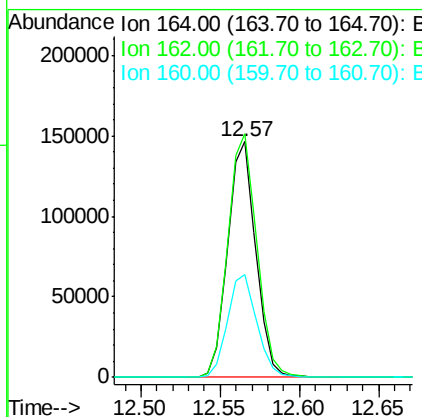
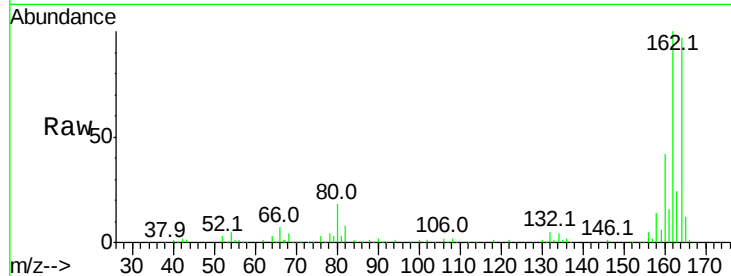
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.57 min Scan# 1807
 Delta R.T. -0.02 min
 Lab File: BF094979.D
 Acq: 8 May 2017 12:57

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
164	100	179128		
162	103.4	82.6	123.8	
160	43.6	36.2	54.2	

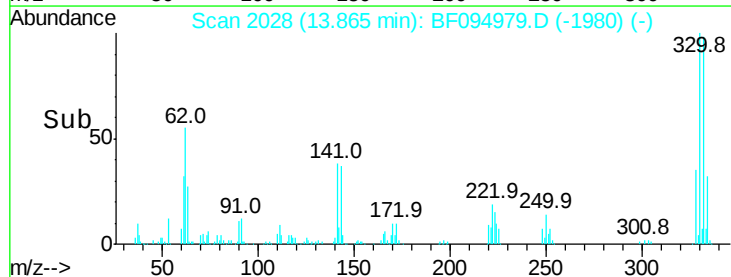
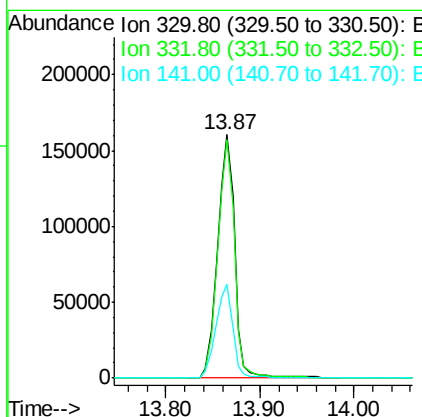
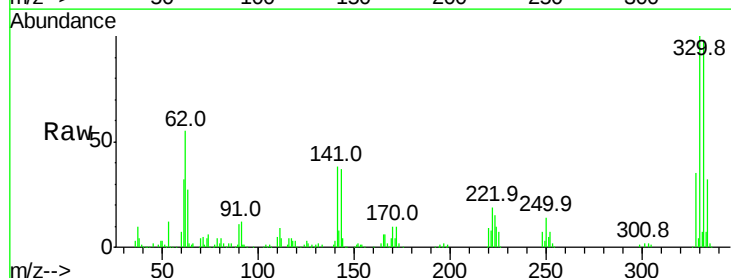
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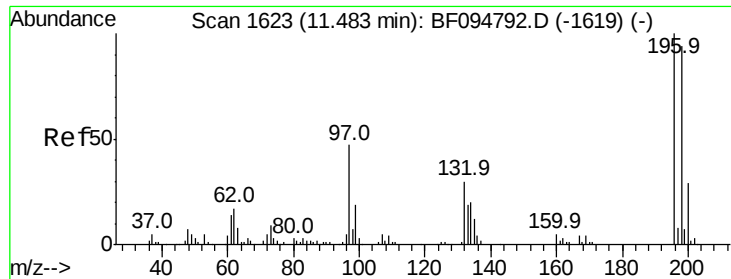
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#41
 2,4,6-Tribromophenol
 Concen: 140.02 ng
 RT: 13.87 min Scan# 2028
 Delta R.T. -0.02 min
 Lab File: BF094979.D
 Acq: 8 May 2017 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	205409		
332	96.0	76.6	115.0	
141	38.6	31.4	47.2	





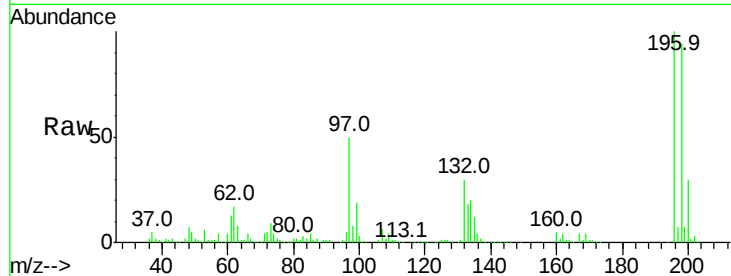
#43
 2,4,5-Trichlorophenol
 Concen: 161.28 ng
 RT: 11.46 min Scan# 1619
 Delta R.T. -0.02 min
 Lab File: BF094979.D
 Acq: 8 May 2017 12:57

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
196	100	637562		
198	93.9	75.7	113.5	
97	49.5	47.7	71.5	
132	30.3	28.0	42.0	

Manual Integrations
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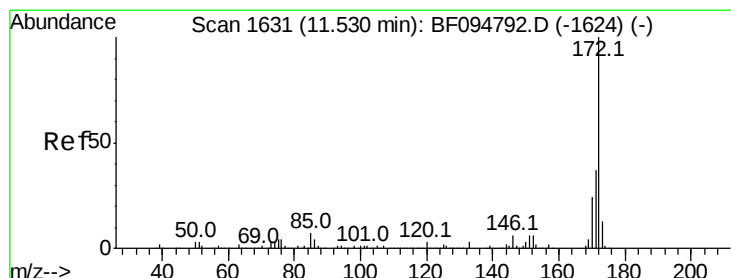
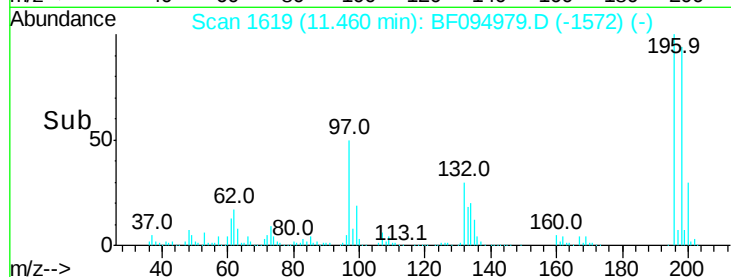
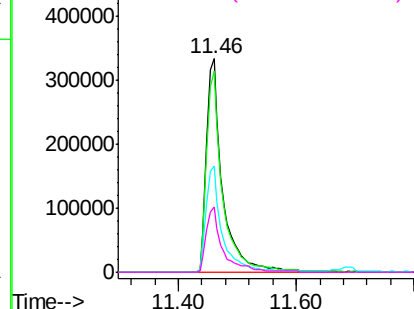
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 87.27 ng
 RT: 11.52 min Scan# 1629
 Delta R.T. -0.01 min
 Lab File: BF094979.D
 Acq: 8 May 2017 12:57

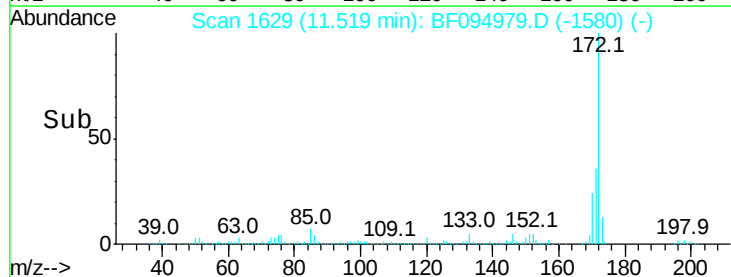
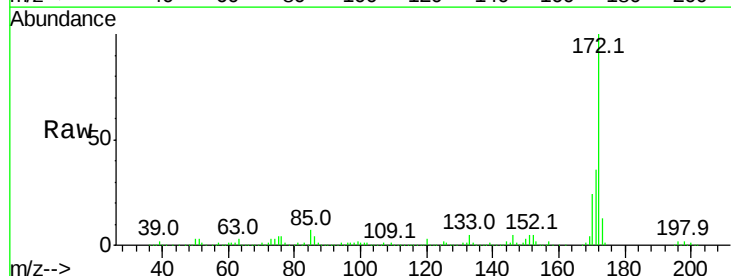
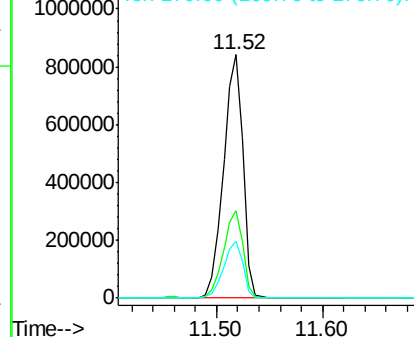
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1086116		
171	36.0	29.6	44.4	
170	23.6	19.8	29.8	

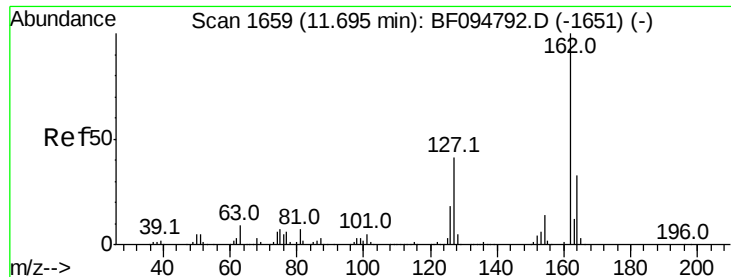
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





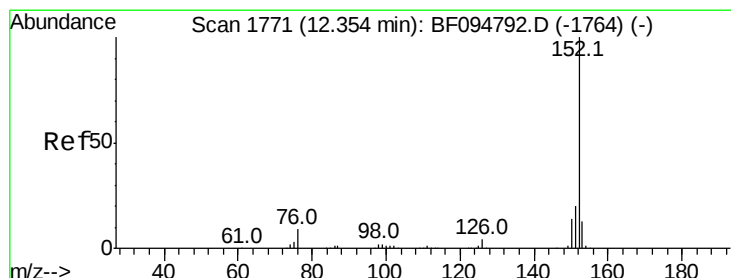
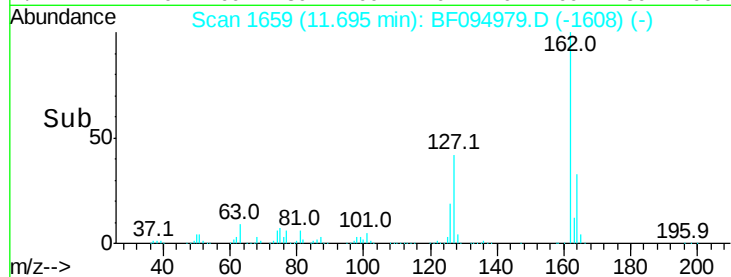
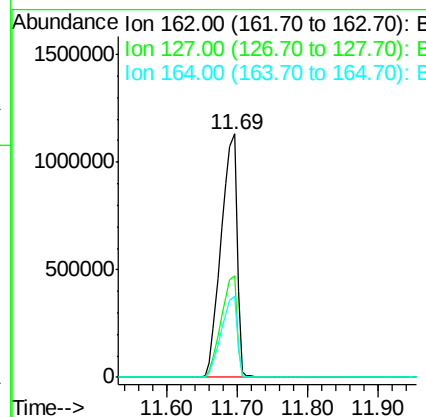
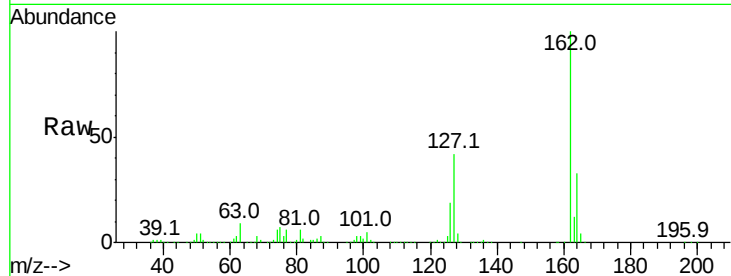
#46
2-Chloronaphthalene
Concen: 146.28 ng
RT: 11.69 min Scan# 1659
Delta R.T. 0.00 min
Lab File: BF094979.D
Acq: 8 May 2017 12:57

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

Tot Ion:162 Resp: 1781303
Ion Ratio Lower Upper
162 100
127 41.6 28.3 42.5
164 33.3 27.0 40.4

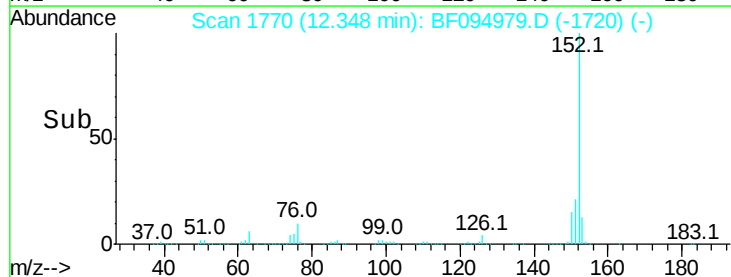
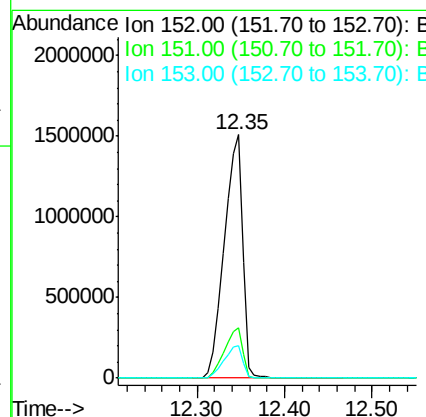
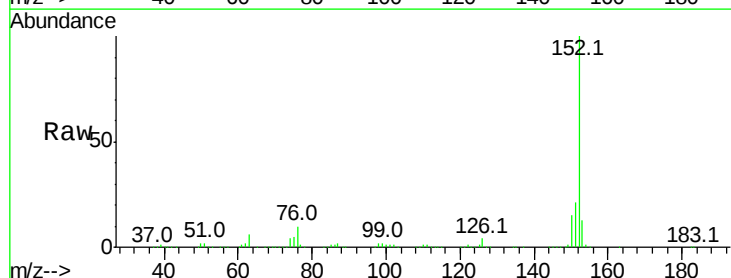
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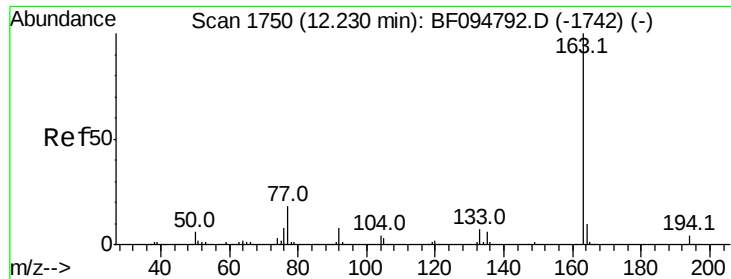
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#48
Acenaphthylene
Concen: 116.10 ng
RT: 12.35 min Scan# 1770
Delta R.T. -0.01 min
Lab File: BF094979.D
Acq: 8 May 2017 12:57

Tgt Ion:152 Resp: 2214528
Ion Ratio Lower Upper
152 100
151 20.9 16.8 25.2
153 13.2 10.8 16.2





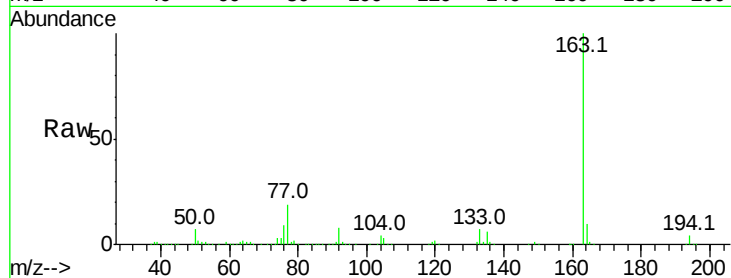
#49
Dimethylphthalate
Concen: 82.68 ng
RT: 12.21 min Scan# 1747
Delta R.T. -0.02 min
Lab File: BF094979.D
Acq: 8 May 2017 12:57

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

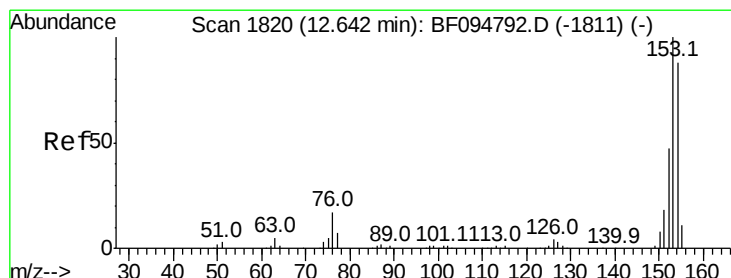
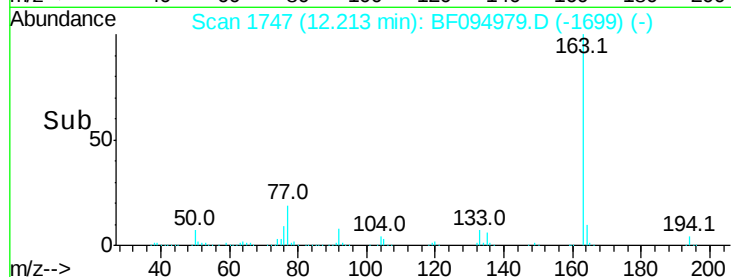
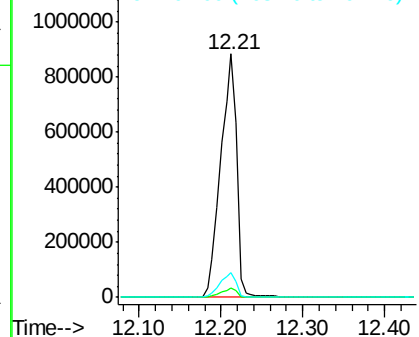
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.6	4.0
164	10.0	8.4	12.6

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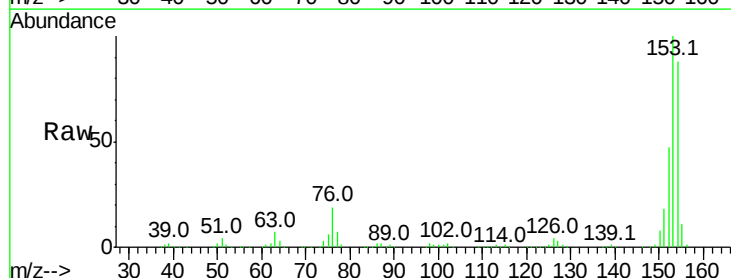


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

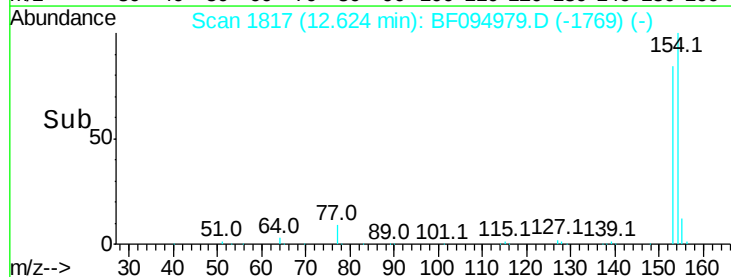
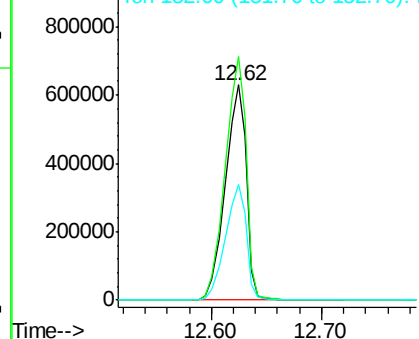


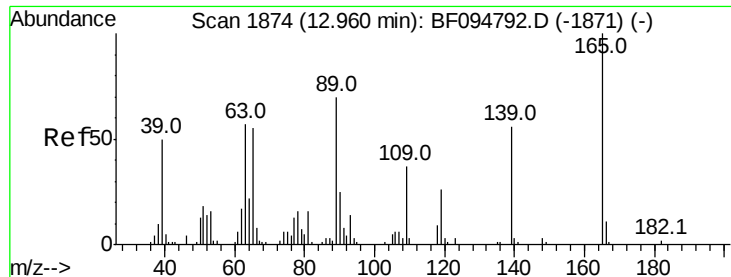
#51
Acenaphthene
Concen: 73.08 ng
RT: 12.62 min Scan# 1817
Delta R.T. -0.02 min
Lab File: BF094979.D
Acq: 8 May 2017 12:57

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.0	90.5	135.7
152	53.6	43.6	65.4



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





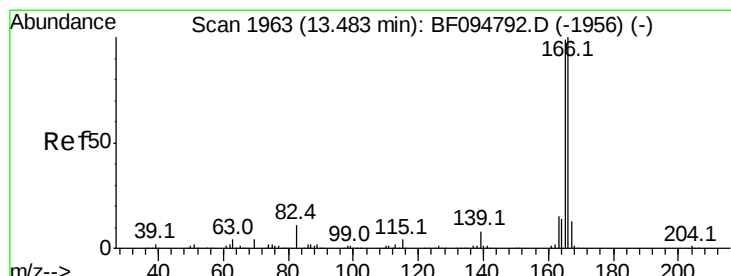
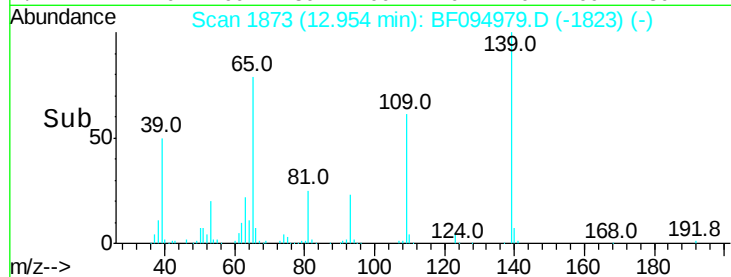
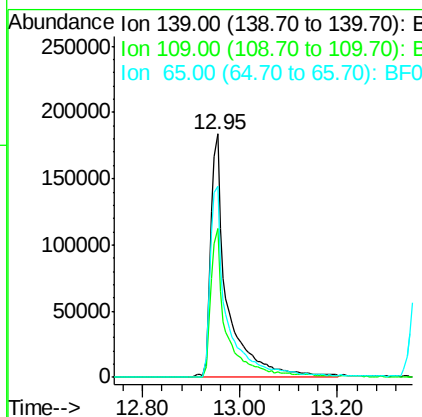
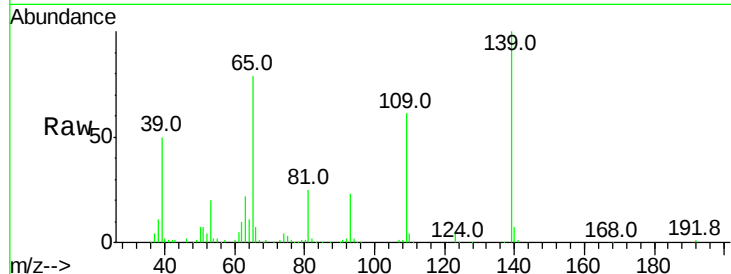
#55
4-Nitrophenol
Concen: 223.27 ng
RT: 12.95 min Scan# 1873
Delta R.T. -0.01 min
Lab File: BF094979.D
Acq: 8 May 2017 12:57

Instrument :
BNA_F
ClientSampled :
PT-BNA-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	61.1	34.1	74.1	
65	78.6	31.4	71.4	

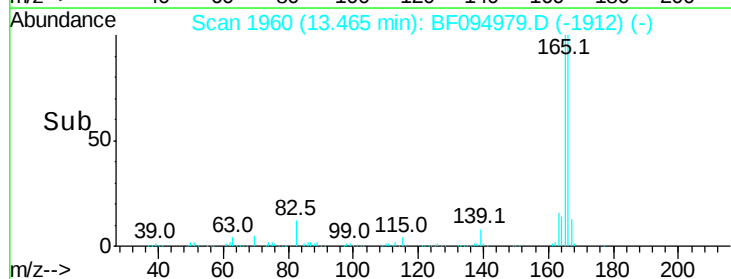
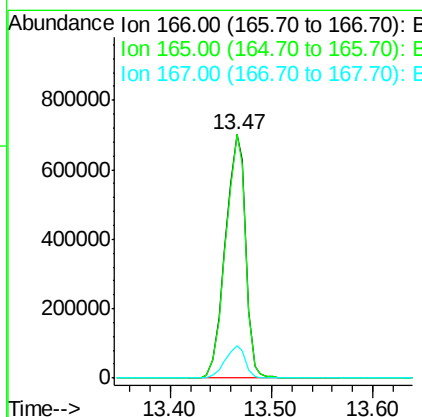
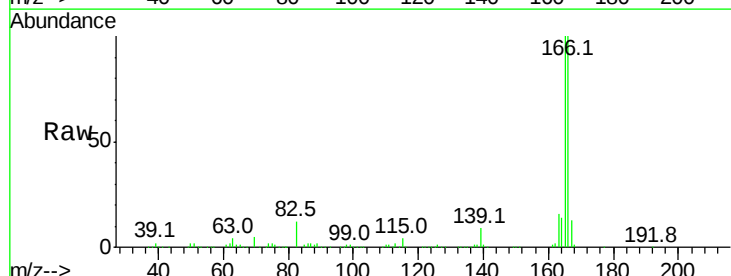
Manual Integrations
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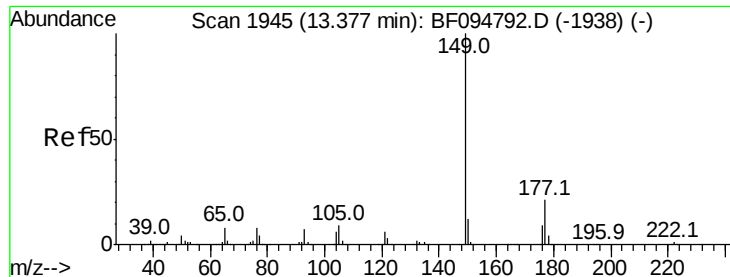
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#57
Fluorene
Concen: 70.89 ng
RT: 13.47 min Scan# 1960
Delta R.T. -0.02 min
Lab File: BF094979.D
Acq: 8 May 2017 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	100.0	78.8	118.2	
167	13.5	10.6	16.0	





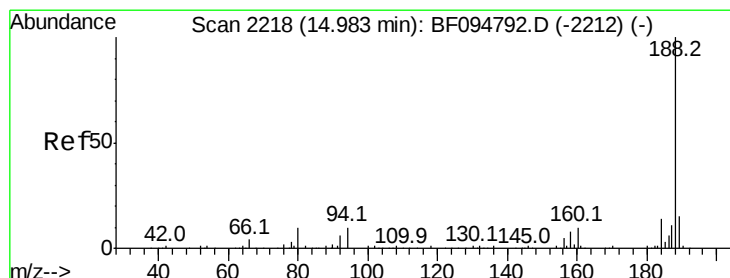
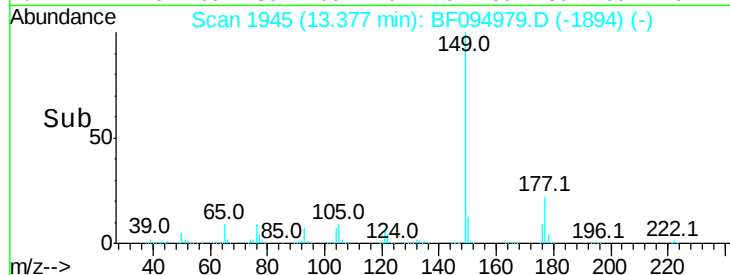
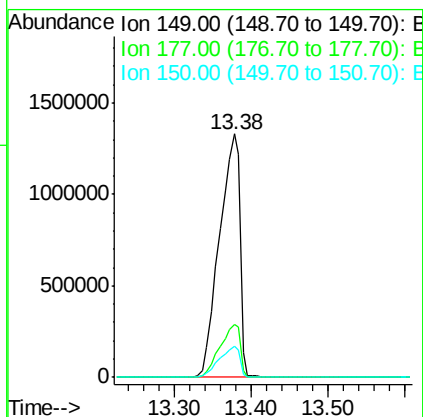
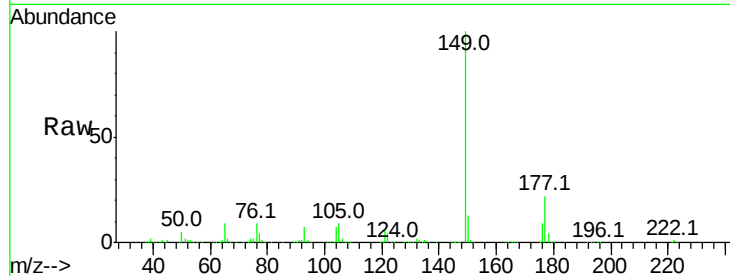
#59
Diethylphthalate
Concen: 174.32 ng
RT: 13.38 min Scan# 1945
Delta R.T. 0.00 min
Lab File: BF094979.D
Acq: 8 May 2017 12:57

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

Tot Ion:149 Resp: 2457056
Ion Ratio Lower Upper
149 100
177 21.7 16.7 25.1
150 12.8 10.2 15.2

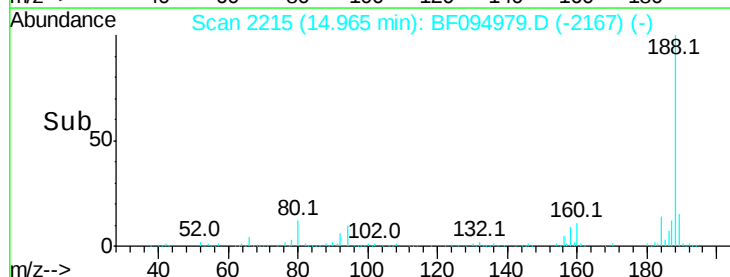
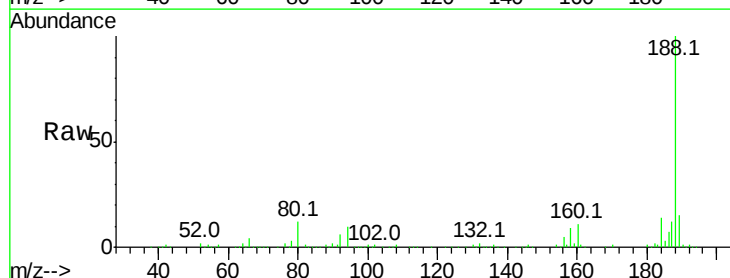
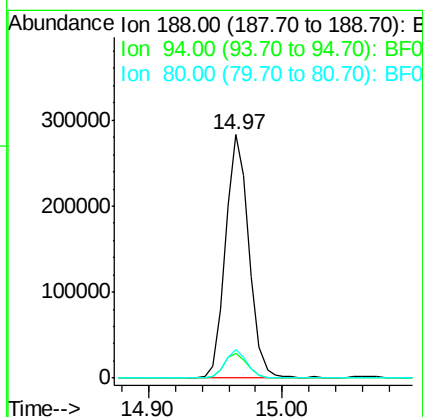
Manual Integrations
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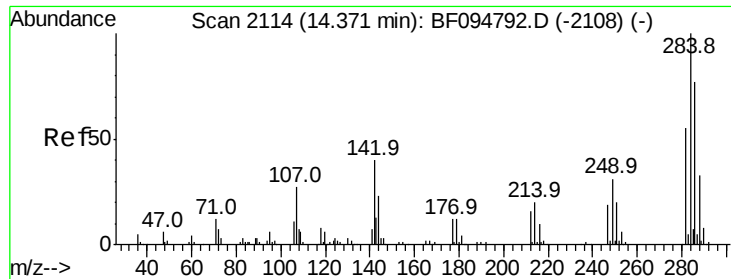
mohammad
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.97 min Scan# 2215
Delta R.T. -0.02 min
Lab File: BF094979.D
Acq: 8 May 2017 12:57

Tgt Ion:188 Resp: 350131
Ion Ratio Lower Upper
188 100
94 10.3 9.4 14.2
80 11.5 10.2 15.2





#67

Hexachlorobenzene

Concen: 203.42 ng

RT: 14.38 min Scan# 2115

Delta R.T. 0.01 min

Lab File: BF094979.D

Acq: 8 May 2017 12:57

Instrument :

BNA_F

ClientSampled :

PT-BNA-SOIL

Tot Ion:284 Resp: 771155

Ion Ratio Lower Upper

284 100

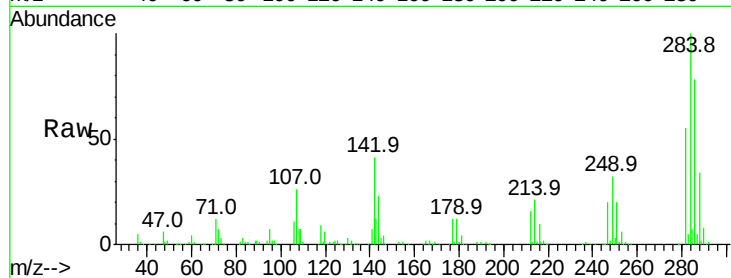
142 40.7 22.8 34.2#

249 32.3 24.0 36.0

Manual Integrations
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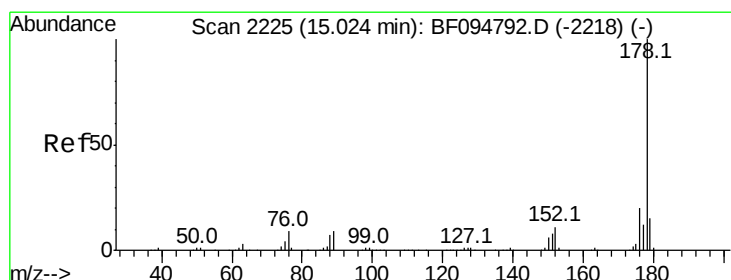
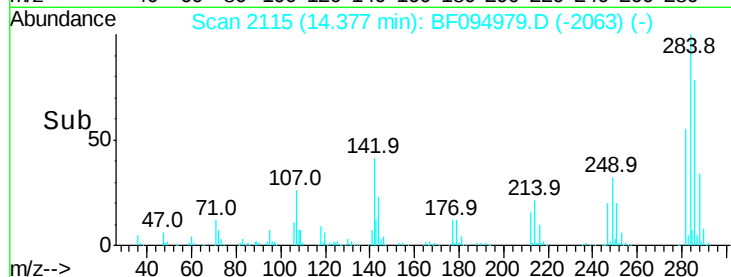
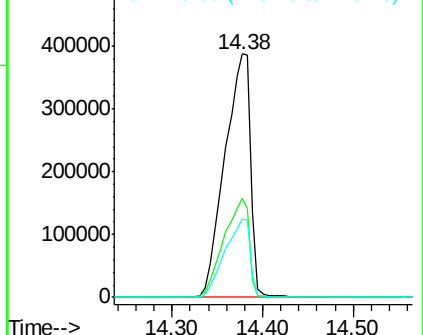
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Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#70

Phenanthrene

Concen: 69.01 ng

RT: 15.01 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BF094979.D

Acq: 8 May 2017 12:57

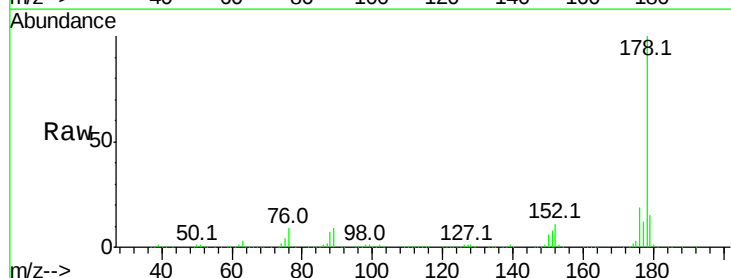
Tgt Ion:178 Resp: 1388375

Ion Ratio Lower Upper

178 100

176 19.4 16.2 24.4

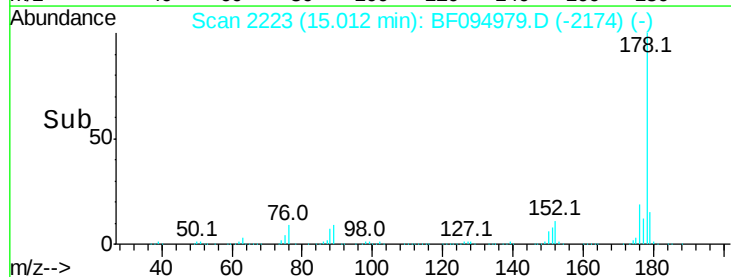
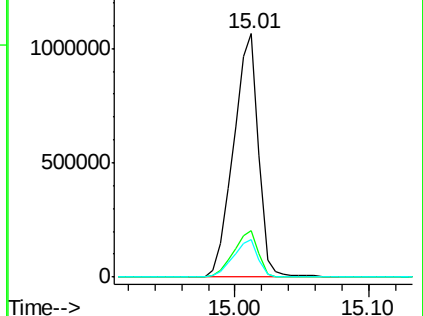
179 15.3 12.6 19.0

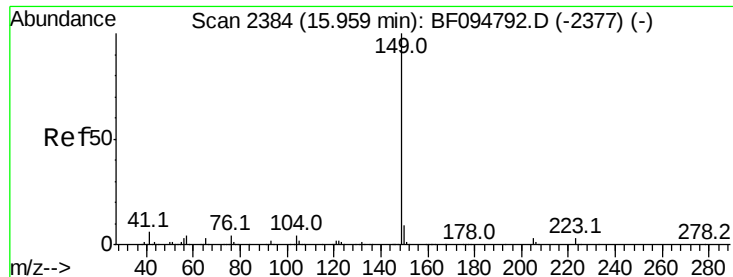


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Di-n-butylphthalate

Concen: 173.02 ng

RT: 15.96 min Scan# 2384

Delta R.T. 0.00 min

Lab File: BF094979.D

Acq: 8 May 2017 12:57

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

Tot Ion:149 Resp: 4034221

Ion Ratio Lower Upper

149 100

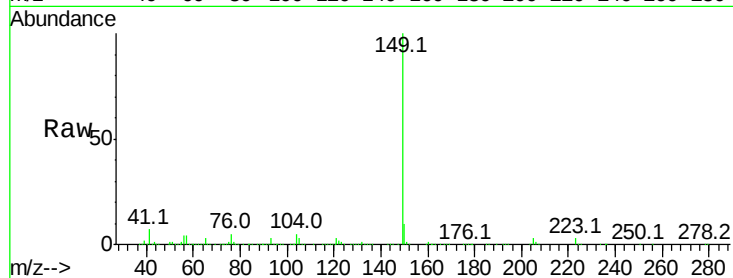
150 9.7 7.7 11.5

104 5.0 4.0 6.0

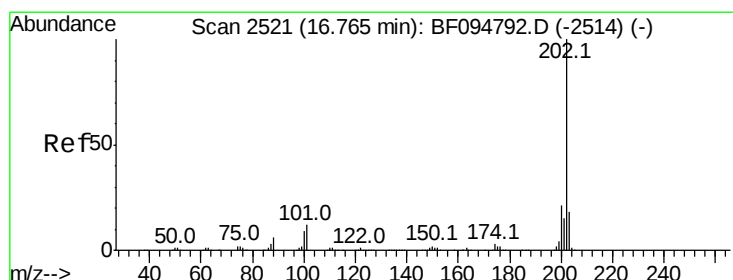
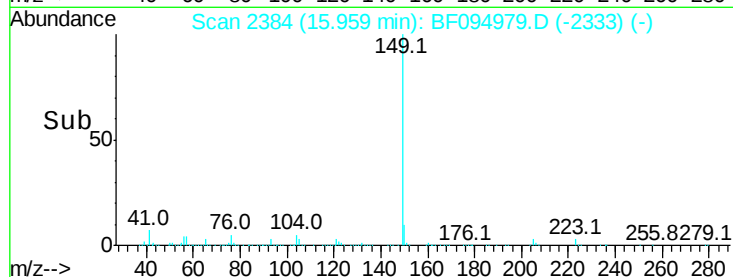
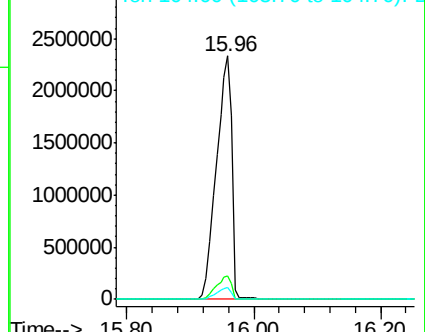
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 56.26 ng

RT: 16.75 min Scan# 2519

Delta R.T. -0.01 min

Lab File: BF094979.D

Acq: 8 May 2017 12:57

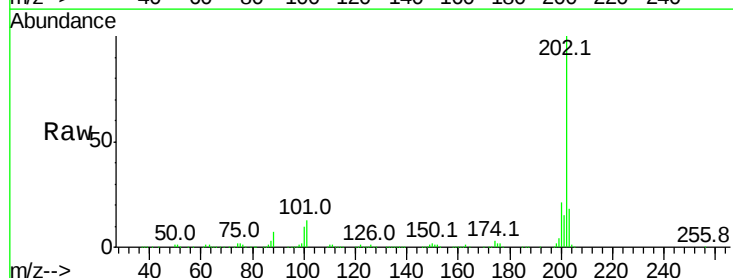
Tgt Ion:202 Resp: 1160929

Ion Ratio Lower Upper

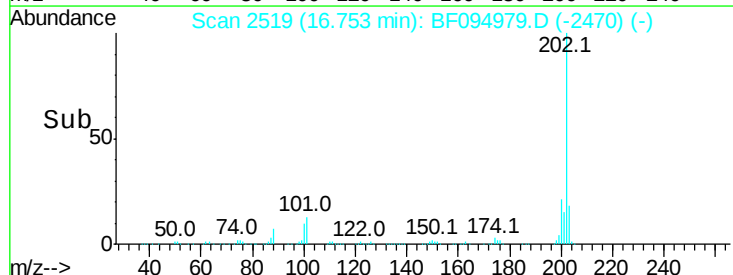
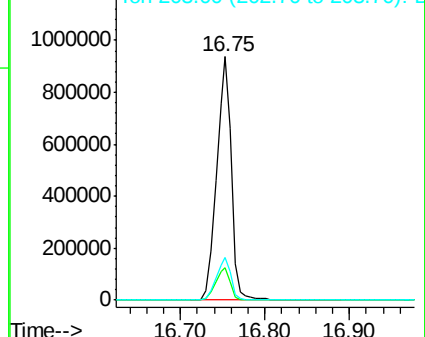
202 100

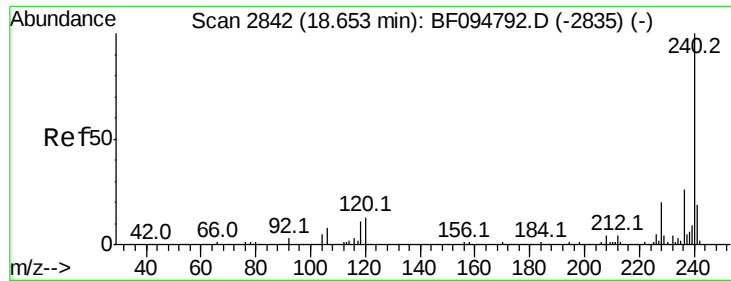
101 13.4 0.0 33.2

203 17.6 0.0 38.1



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.65 min Scan# 2842

Delta R.T. 0.00 min

Lab File: BF094979.D

Acq: 8 May 2017 12:57

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

Tot Ion:240 Resp: 250465

Ion Ratio Lower Upper

240 100

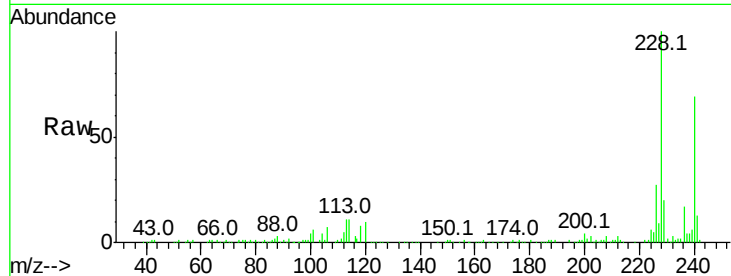
120 14.0 5.8 8.8#

236 25.2 20.5 30.7

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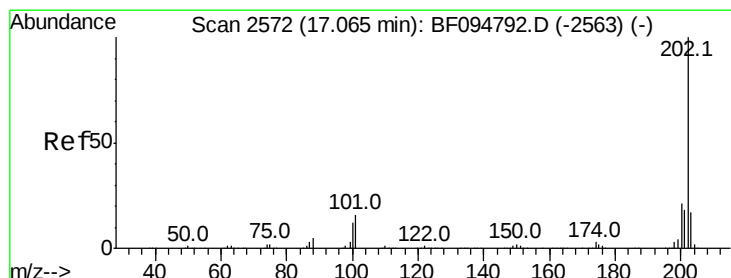
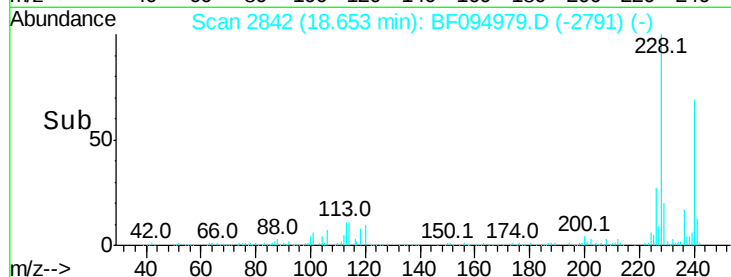
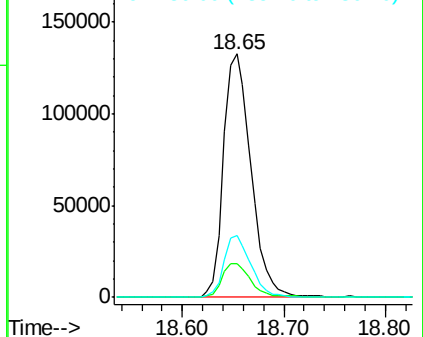
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 72.61 ng

RT: 17.06 min Scan# 2571

Delta R.T. -0.01 min

Lab File: BF094979.D

Acq: 8 May 2017 12:57

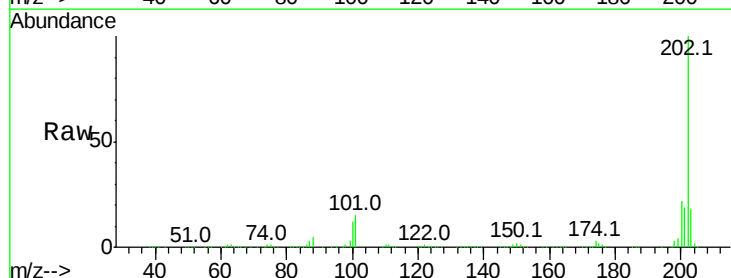
Tgt Ion:202 Resp: 1360093

Ion Ratio Lower Upper

202 100

200 22.1 17.6 26.4

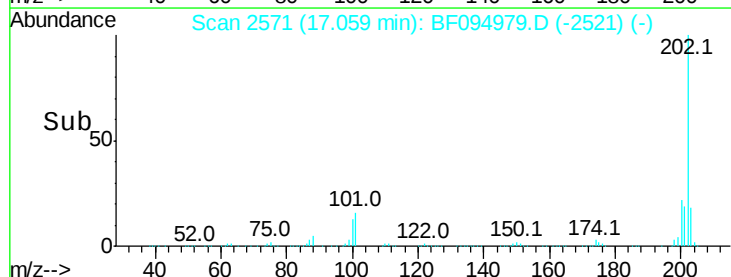
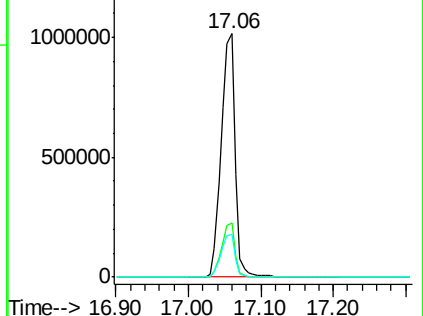
203 17.7 14.4 21.6

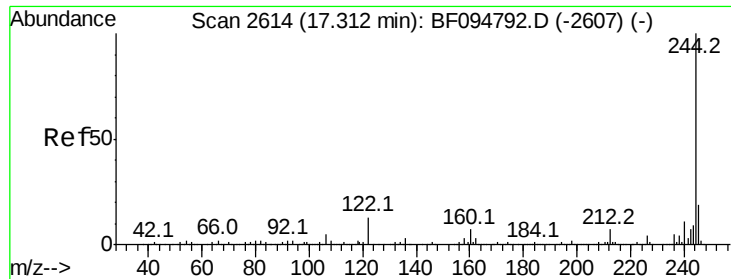


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





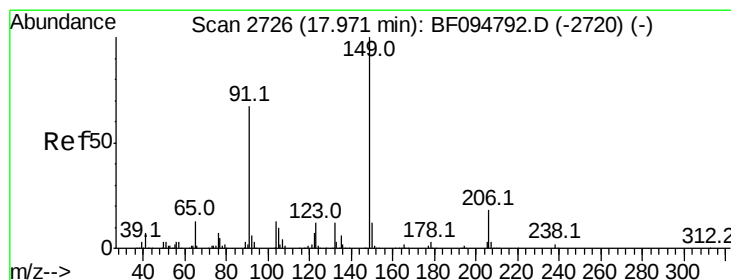
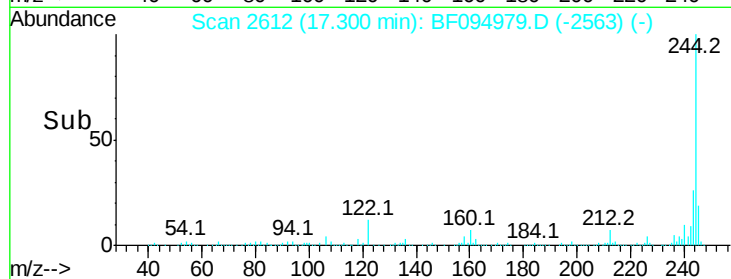
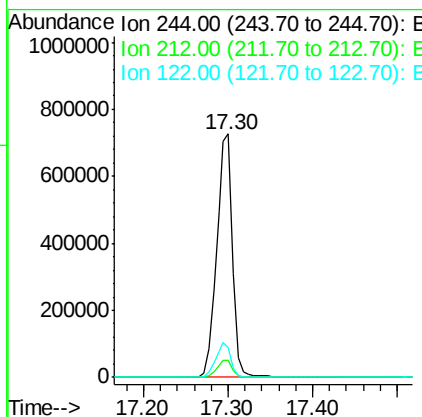
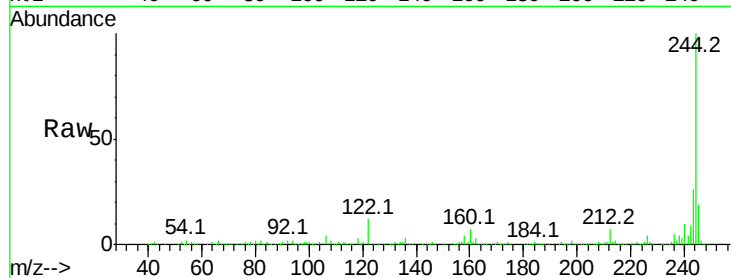
#78
 Terphenyl-d14
 Concen: 84.22 ng
 RT: 17.30 min Scan# 2612
 Delta R.T. -0.01 min
 Lab File: BF094979.D
 Acq: 8 May 2017 12:57

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	12.1	10.3	15.5

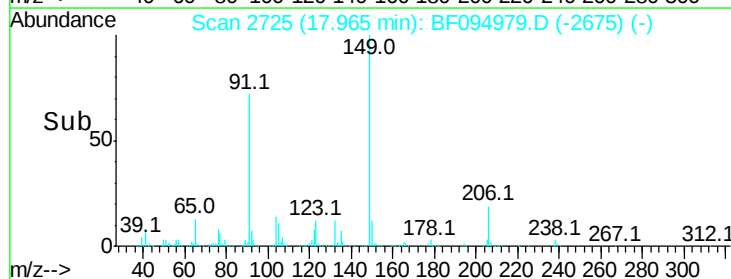
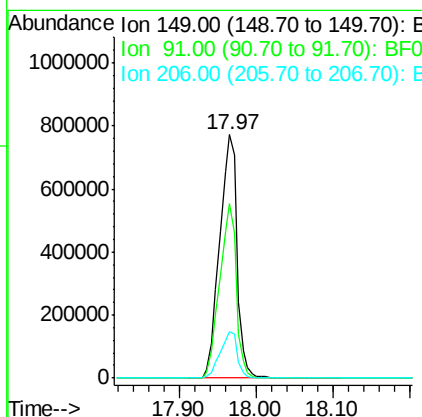
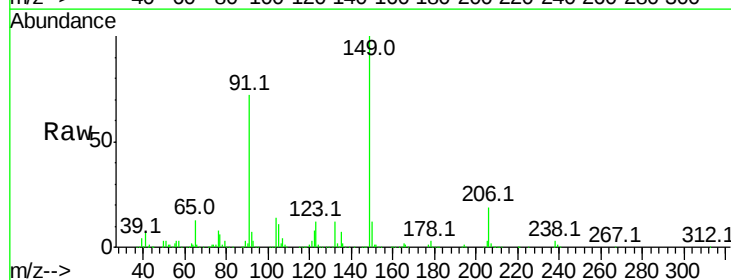
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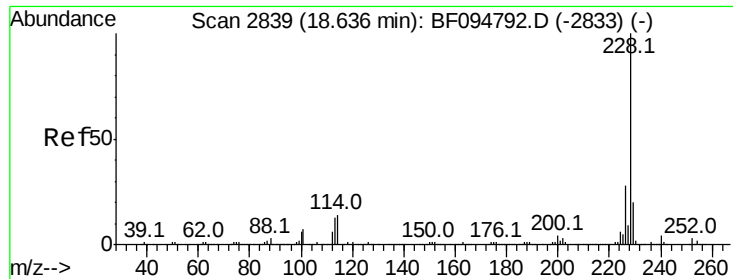
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#79
 Butylbenzylphthalate
 Concen: 139.00 ng
 RT: 17.97 min Scan# 2725
 Delta R.T. -0.01 min
 Lab File: BF094979.D
 Acq: 8 May 2017 12:57

Tgt Ion	Ratio	Lower	Upper
149	100		
91	71.9	45.0	67.4#
206	19.0	17.0	25.6





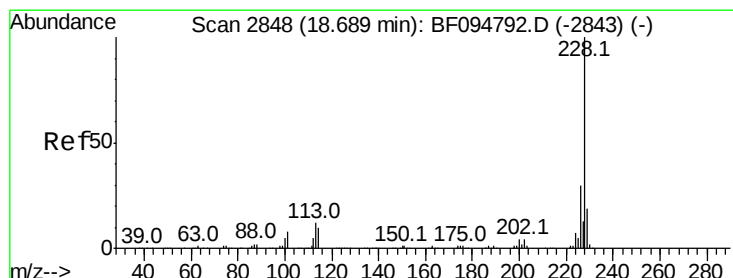
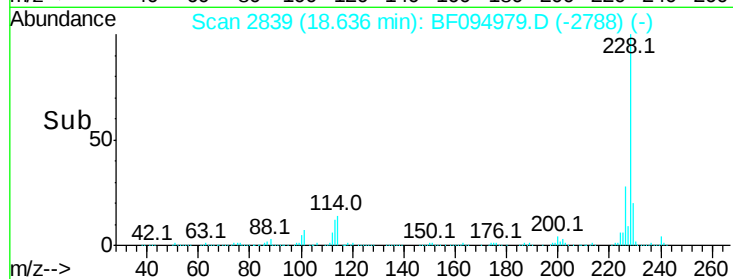
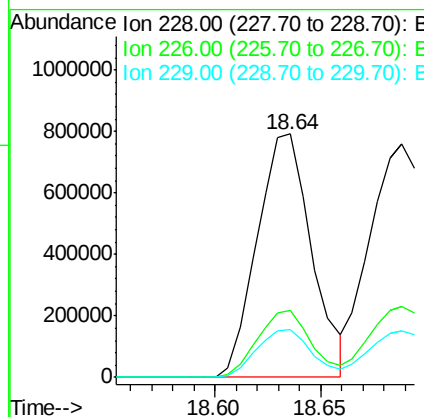
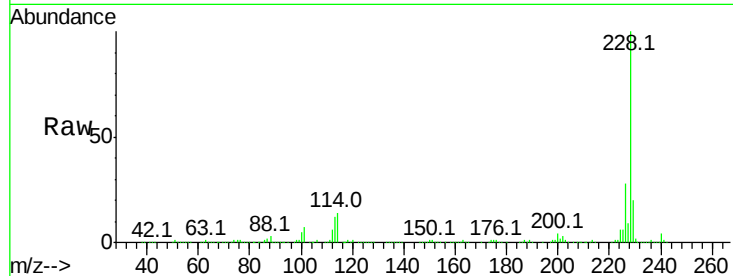
#80
Benzo(a)anthracene
Concen: 97.12 ng
RT: 18.64 min Scan# 2839
Delta R.T. 0.00 min
Lab File: BF094979.D
Acq: 8 May 2017 12:57

Instrument :
BNA_F
ClientSampled :
PT-BNA-SOIL

Tot Ion:228 Resp: 1415767
Ion Ratio Lower Upper
228 100
226 27.7 22.6 33.8
229 19.9 16.3 24.5

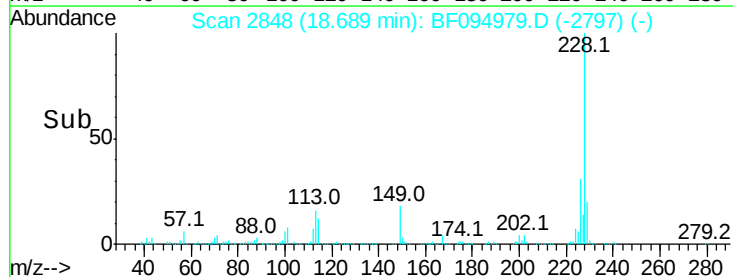
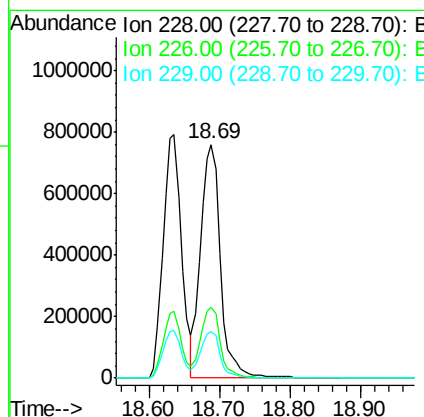
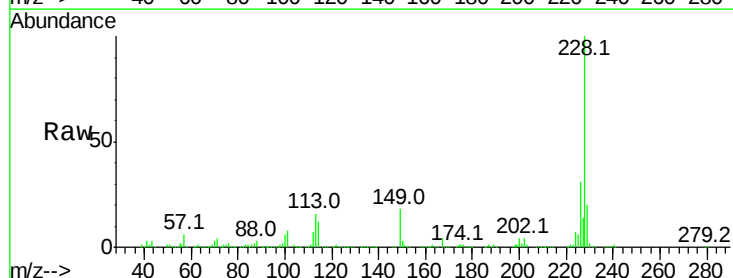
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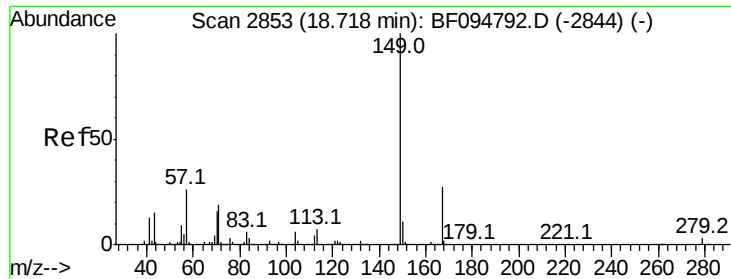
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#82
Chrysene
Concen: 106.10 ng
RT: 18.69 min Scan# 2848
Delta R.T. 0.00 min
Lab File: BF094979.D
Acq: 8 May 2017 12:57

Tgt Ion:228 Resp: 1495415
Ion Ratio Lower Upper
228 100
226 30.5 24.9 37.3
229 20.1 15.8 23.6





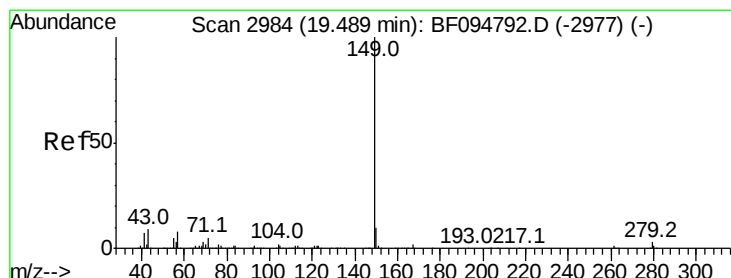
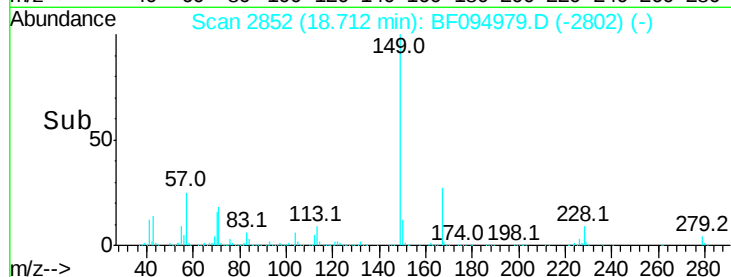
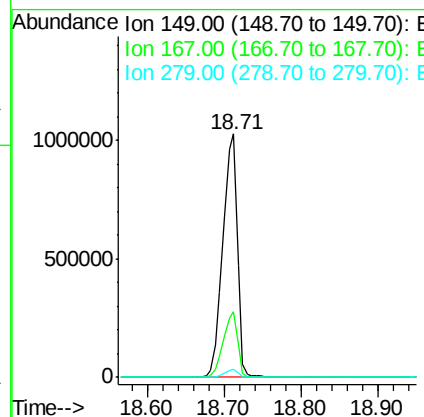
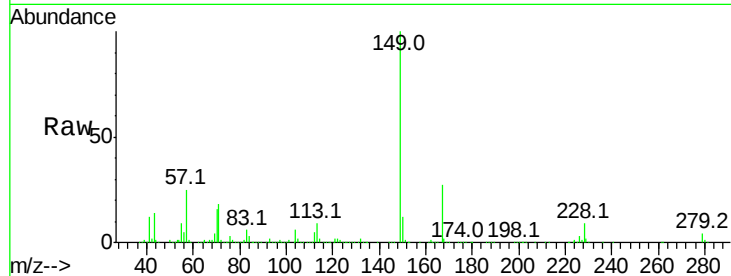
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 107.39 ng
 RT: 18.71 min Scan# 2852
 Delta R.T. -0.01 min
 Lab File: BF094979.D
 Acq: 8 May 2017 12:57

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Tot Ion:149 Resp: 1333157
 Ion Ratio Lower Upper
 149 100
 167 26.9 21.0 31.4
 279 3.5 1.9 2.9#

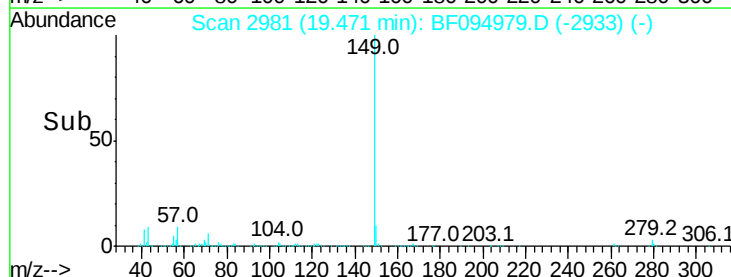
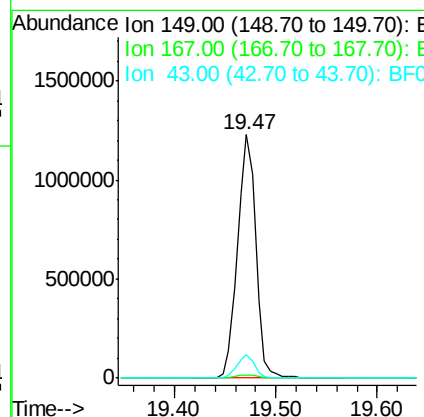
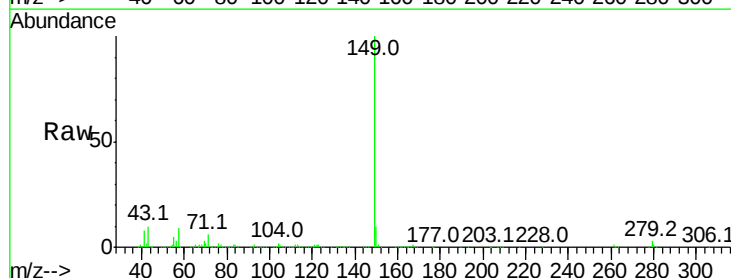
Manual Integrations
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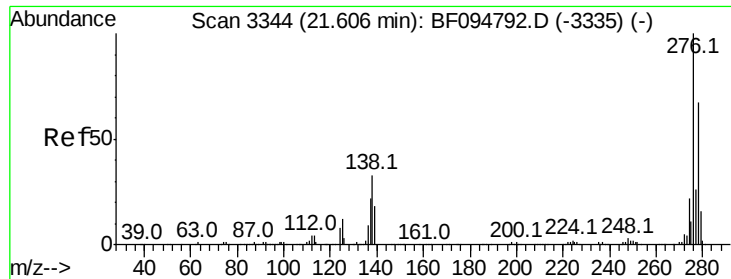
mohammad
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#84
 Di-n-octyl phthalate
 Concen: 76.23 ng
 RT: 19.47 min Scan# 2981
 Delta R.T. -0.02 min
 Lab File: BF094979.D
 Acq: 8 May 2017 12:57

Tgt Ion:149 Resp: 1551445
 Ion Ratio Lower Upper
 149 100
 167 1.5 1.2 1.8
 43 9.3 8.5 12.7





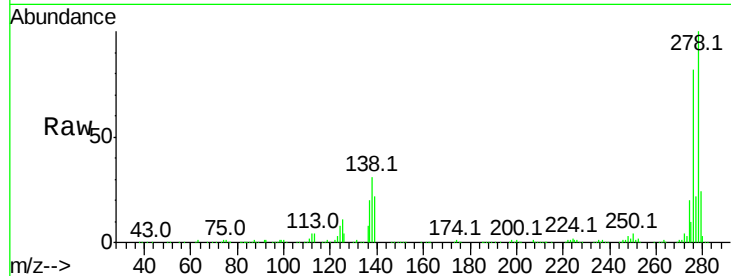
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 88.69 ng
 RT: 21.64 min Scan# 3350
 Delta R.T. 0.04 min
 Lab File: BF094979.D
 Acq: 8 May 2017 12:57

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

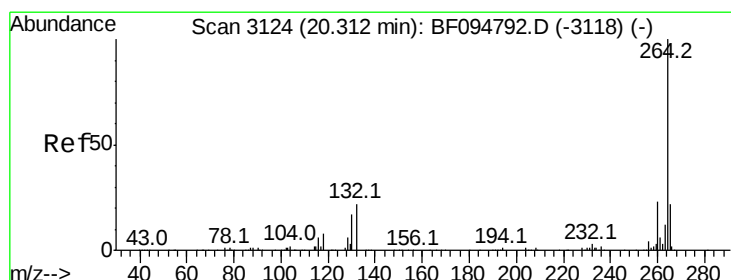
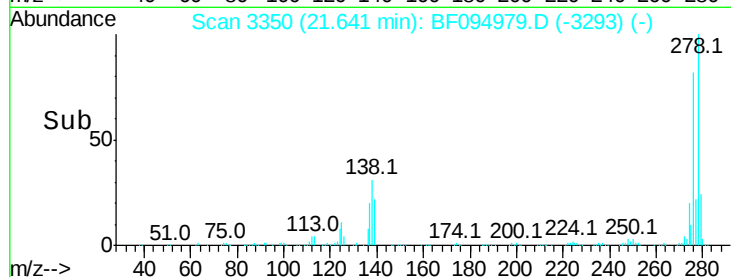
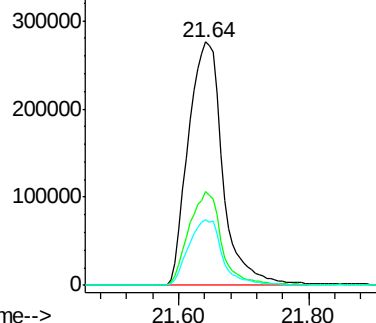
Tot Ion	Ratio	Lower	Upper
276	100		
138	36.7	27.8	41.6
277	26.5	20.2	30.4

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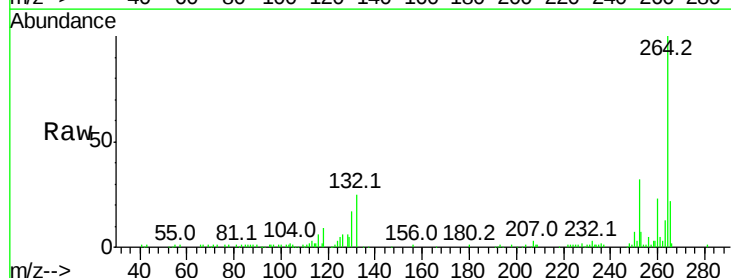


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

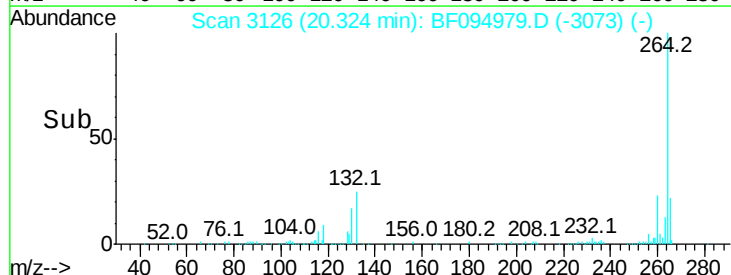
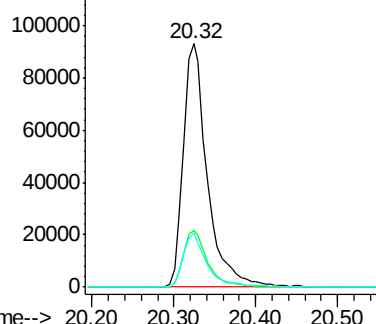


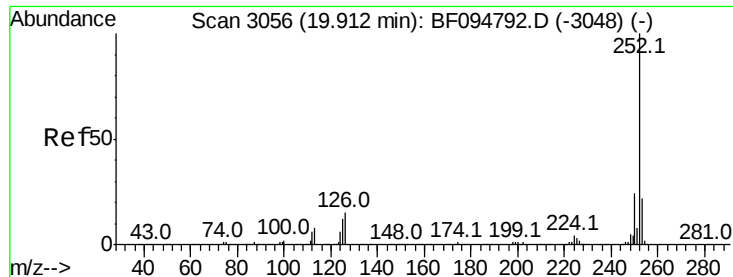
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.32 min Scan# 3126
 Delta R.T. 0.01 min
 Lab File: BF094979.D
 Acq: 8 May 2017 12:57

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.5	29.3
265	22.2	17.2	25.8



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





#87

Benzo(b)fluoranthene

Concen: 83.42 ng

RT: 19.91 min Scan# 3055

Delta R.T. -0.01 min

Lab File: BF094979.D

Acq: 8 May 2017 12:57

Instrument :

BNA_F

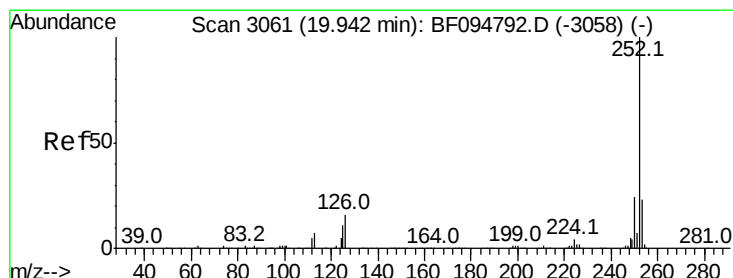
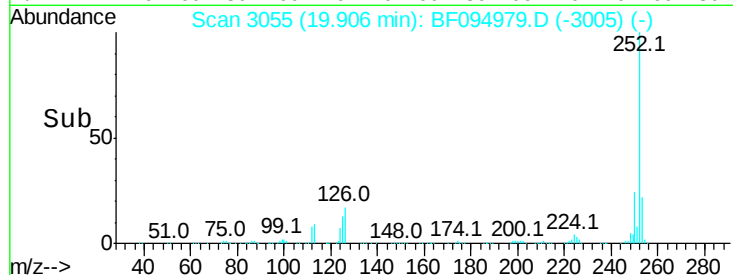
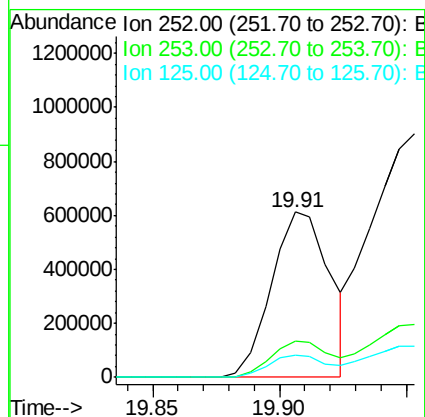
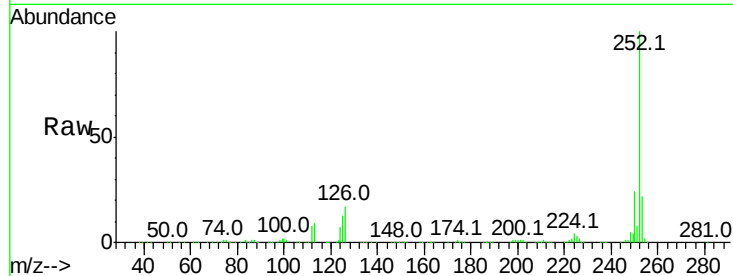
ClientSampleId :

PT-BNA-SOIL

Tot Ion:	252	Resp:	979788
Ion Ratio	Lower	Upper	
252	100		
253	22.3	18.1	27.1
125	13.4	9.8	14.8

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#88

Benzo(k)fluoranthene

Concen: 191.92 ng m

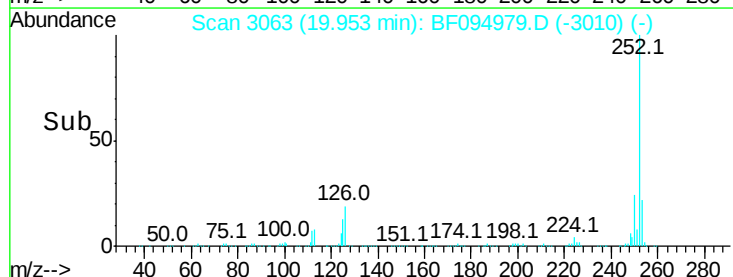
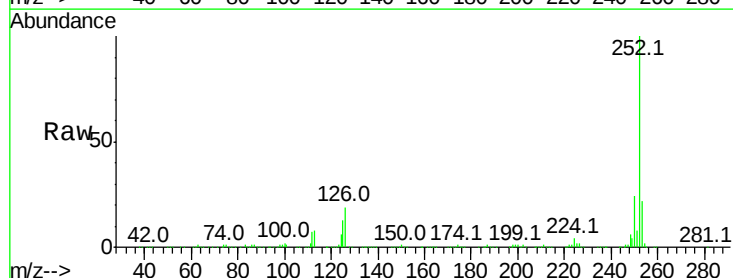
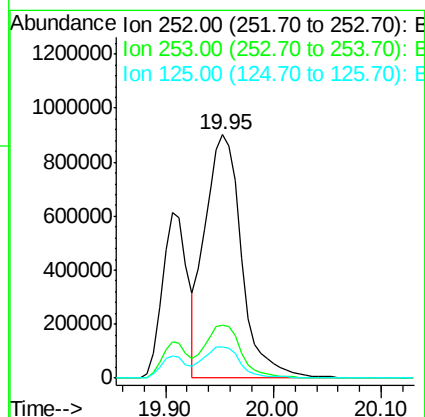
RT: 19.95 min Scan# 3063

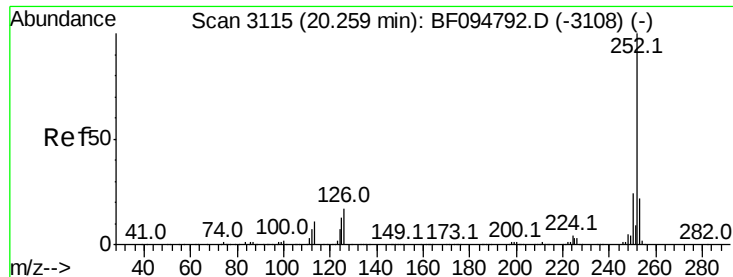
Delta R.T. 0.01 min

Lab File: BF094979.D

Acq: 8 May 2017 12:57

Tgt Ion:	252	Resp:	2174224
Ion Ratio	Lower	Upper	
252	100		
253	21.8	18.4	27.6
125	13.0	13.1	19.7#





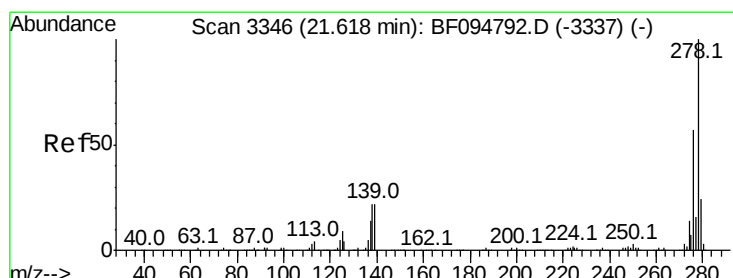
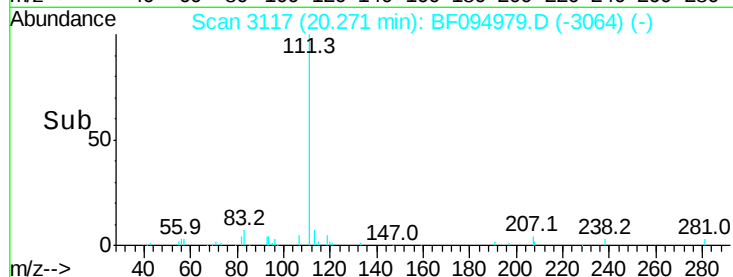
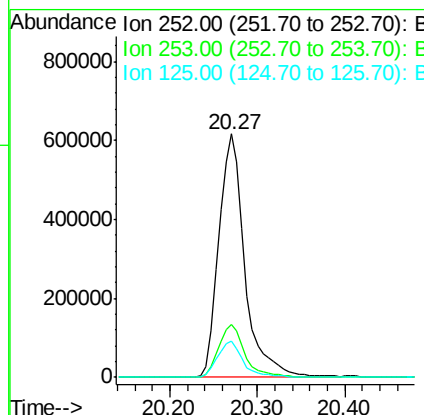
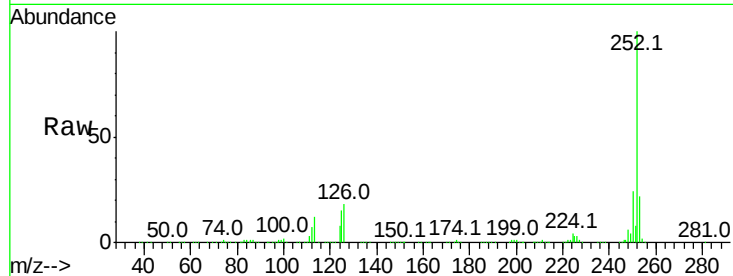
#89
Benzo(a)pyrene
Concen: 116.57 ng
RT: 20.27 min Scan# 3117
Delta R.T. 0.01 min
Lab File: BF094979.D
Acq: 8 May 2017 12:57

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	14.7	11.0	16.4

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#90
Dibenzo(a,h)anthracene
Concen: 119.59 ng
RT: 21.64 min Scan# 3350
Delta R.T. 0.02 min
Lab File: BF094979.D
Acq: 8 May 2017 12:57

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.4	16.6	24.8
279	23.7	19.3	28.9

