

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082417\
 Data File : BF098025.D
 Acq On : 25 Aug 2017 2:07
 Operator : SJ/JU
 Sample : I4934-06
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB3-SOIL-0-6.0

Quant Time: Aug 25 02:41:53 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

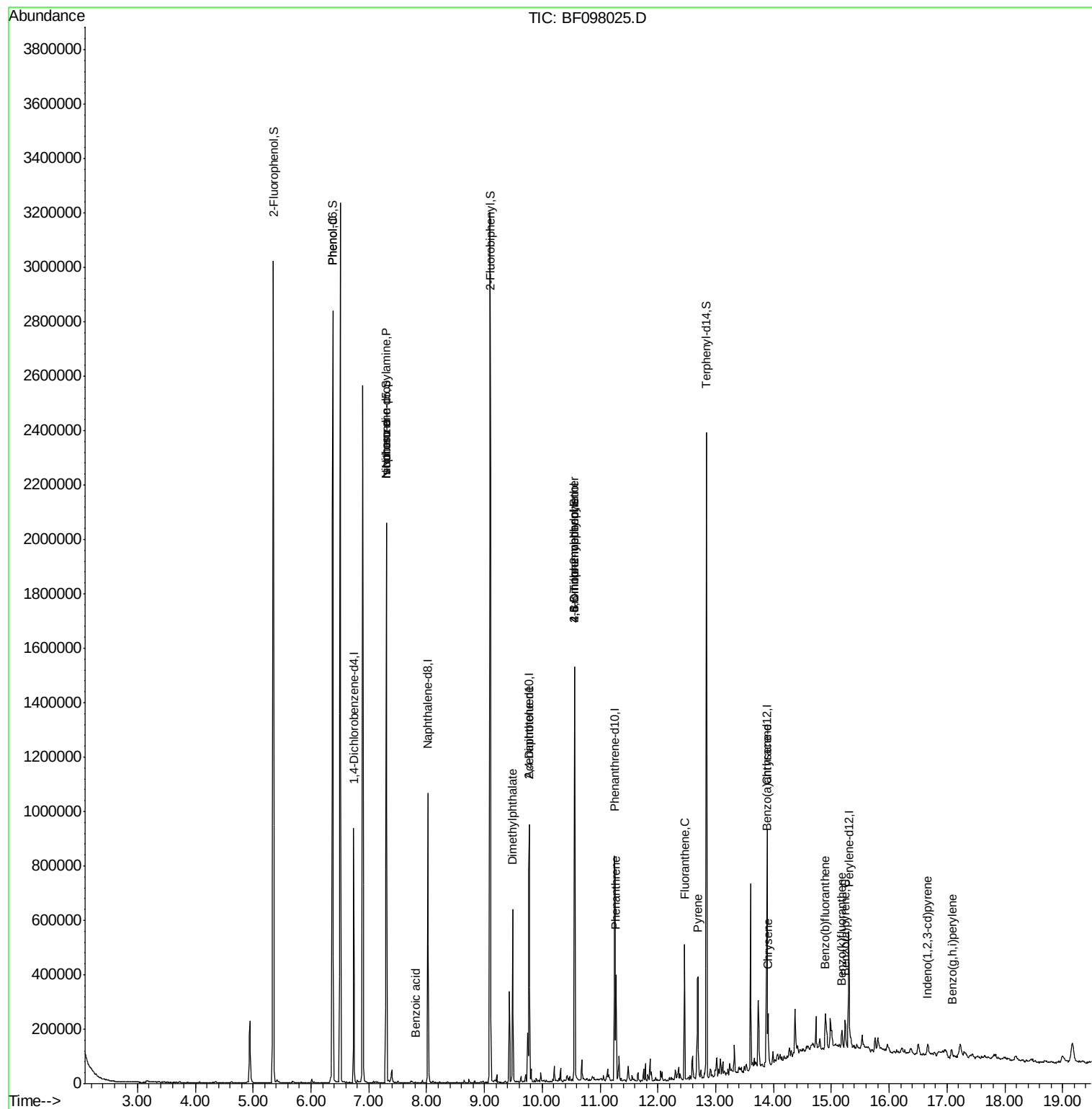
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	115500	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	434721	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	170784	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	291299	20.00	ng	-0.01
75) Chrysene-d12	13.89	240	252570	20.00	ng	-0.01
86) Perylene-d12	15.30	264	182644	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	945845	124.56	ng	0.00
7) Phenol-d6	6.38	99	1288345	124.87	ng	0.00
23) Nitrobenzene-d5	7.30	82	757865	94.71	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	179650	121.24	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	1014958	87.31	ng	-0.01
78) Terphenyl-d14	12.84	244	734610	60.65	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.39	94	26936	2.23	ng	97
19) n-Nitroso-di-n-propylamine	7.30	70	102309	14.49	ng	# 71
25) Isophorone	7.30	82	748439	44.98	ng	# 67
32) Benzoic acid	7.82	122	117	6.42	ng	# 1
49) Dimethylphthalate	9.49	163	207253	16.60	ng	98
56) 2,4-Dinitrotoluene	9.77	165	21459	6.86	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.56	198	489	8.62	ng	# 1
66) 4-Bromophenyl-phenylether	10.56	248	12132	4.01	ng	# 1
70) Phenanthrene	11.27	178	127911	8.24	ng	98
74) Fluoranthene	12.46	202	180710	11.15	ng	97
77) Pyrene	12.69	202	159240	7.71	ng	97
80) Benzo(a)anthracene	13.87	228	74078	4.89	ng	95
82) Chrysene	13.91	228	65940	4.38	ng	97
85) Indeno(1,2,3-cd)pyrene	16.67	276	24147	2.18	ng	92
87) Benzo(b)fluoranthene	14.90	252	91551	7.95	ng	97
88) Benzo(k)fluoranthene	15.19	252	28057	2.59	ng	92
89) Benzo(a)pyrene	15.24	252	46834	4.60	ng	98
91) Benzo(g,h,i)perylene	17.09	276	21881	2.53	ng	92

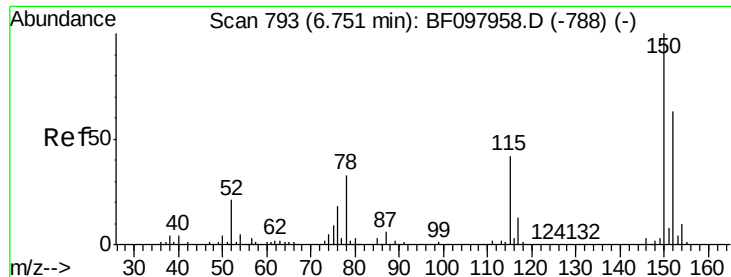
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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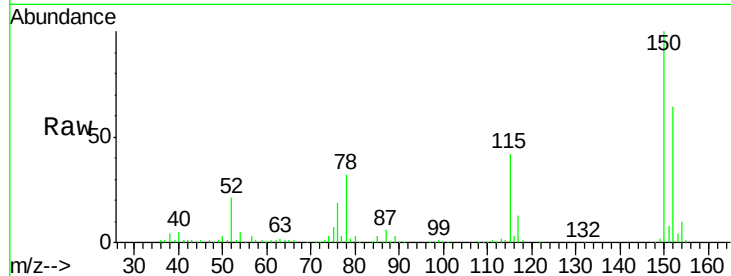


#1

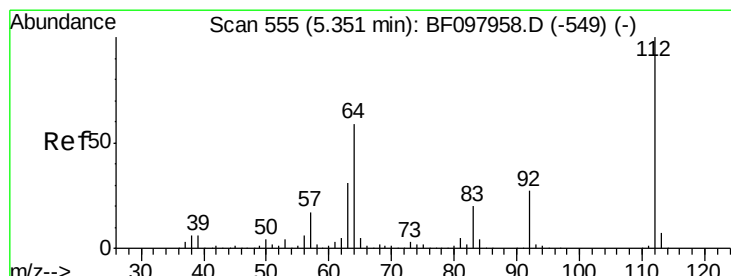
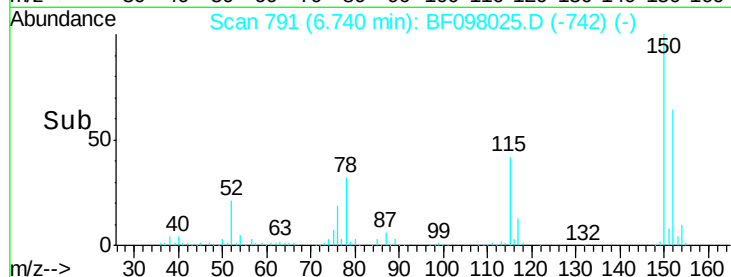
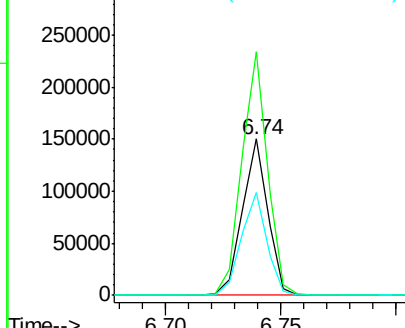
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF098025.D
Acq: 25 Aug 2017 2:07

Instrument :
BNA_F
ClientSampleId :
SB3-SOIL-0-6.0

Tot Ion:152 Resp: 115500
Ion Ratio Lower Upper
152 100
150 155.8 126.2 189.2
115 65.5 52.2 78.2



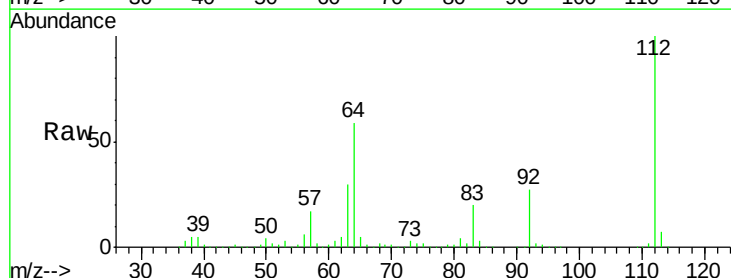
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



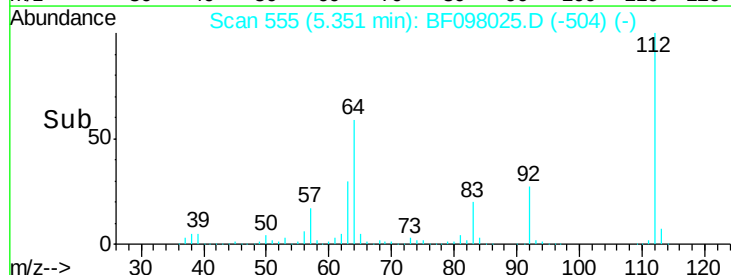
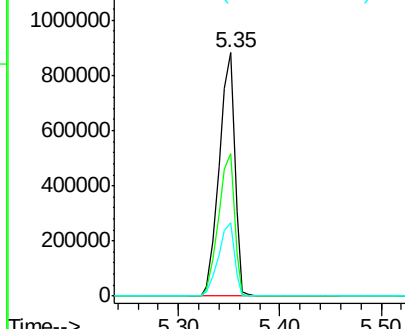
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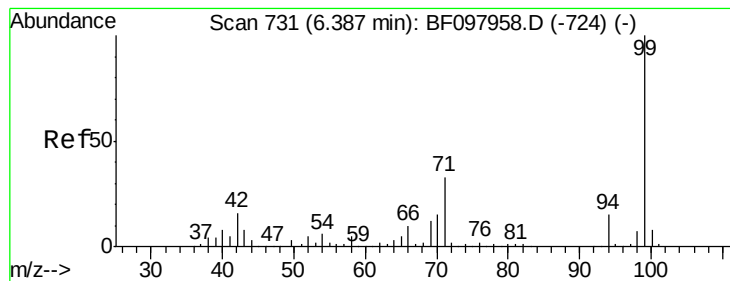
2-Fluorophenol
Concen: 124.56 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF098025.D
Acq: 25 Aug 2017 2:07

Tgt Ion:112 Resp: 945845
Ion Ratio Lower Upper
112 100
64 58.6 46.0 69.0
63 30.1 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: 124.87 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF098025.D

Acq: 25 Aug 2017 2:07

Instrument :

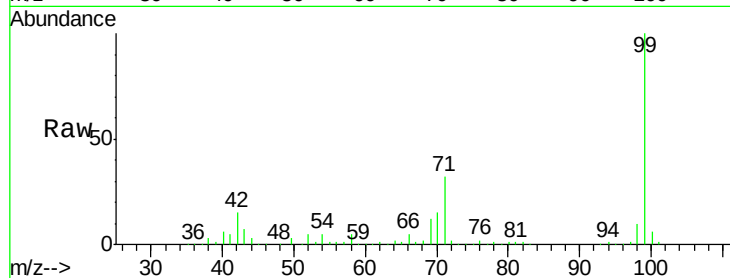
BNA_F

ClientSampleId :

SB3-SOIL-0-6.0

Tot Ion: 99 Resp: 1288345

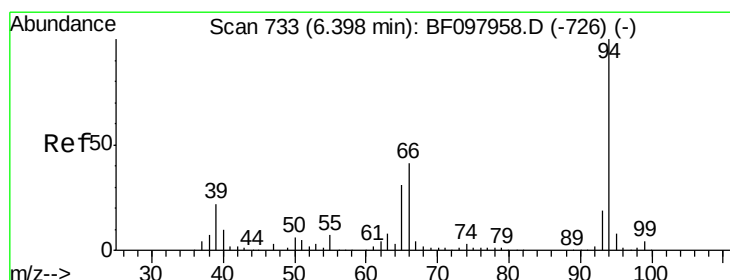
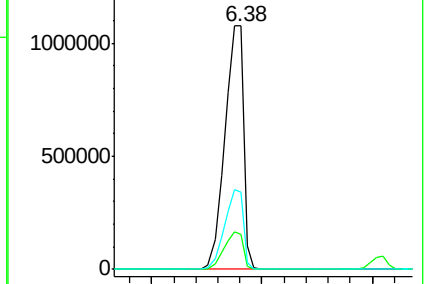
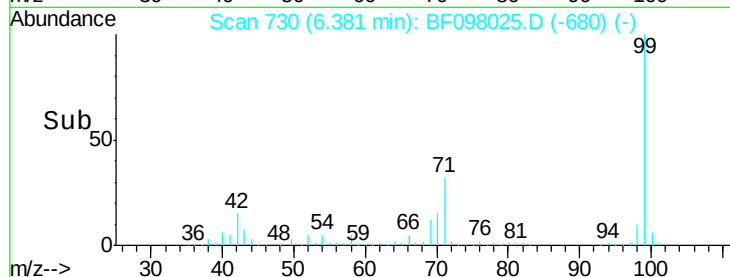
Ion	Ratio	Lower	Upper
99	100		
42	14.6	13.5	20.3
71	31.9	24.5	36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.23 ng

RT: 6.39 min Scan# 731

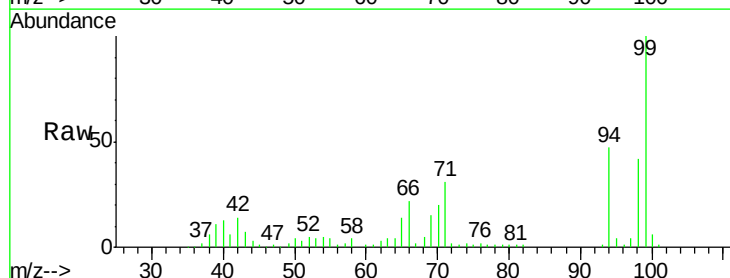
Delta R.T. -0.01 min

Lab File: BF098025.D

Acq: 25 Aug 2017 2:07

Tgt Ion: 94 Resp: 26936

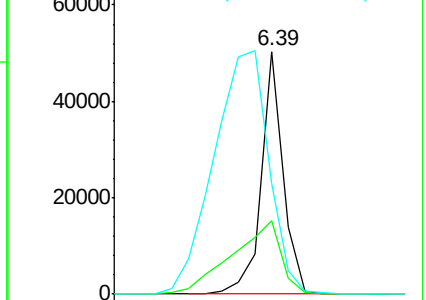
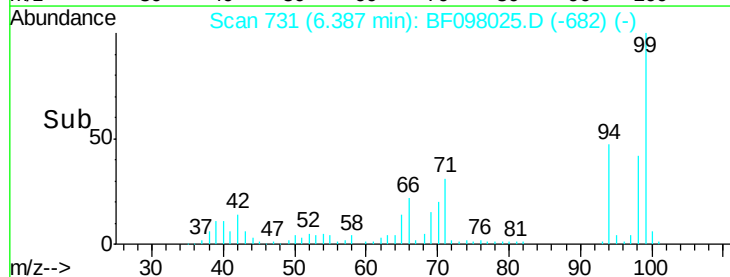
Ion	Ratio	Lower	Upper
94	100		
65	30.4	9.9	49.9
66	45.6	23.1	63.1

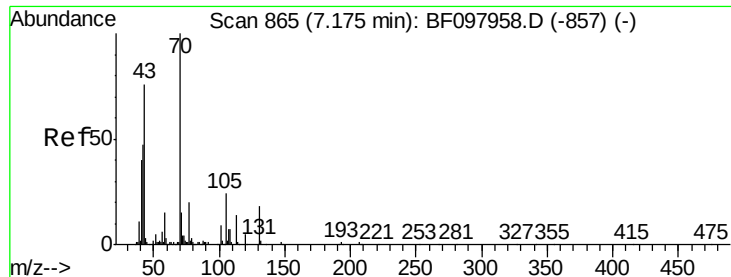


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

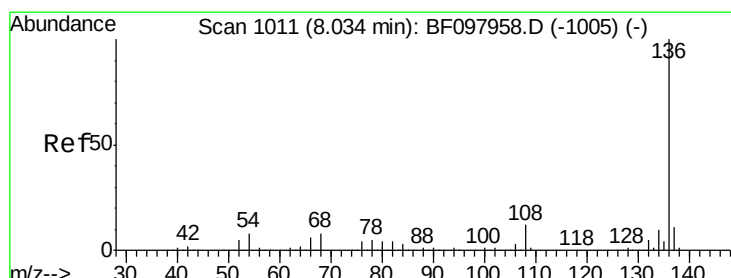
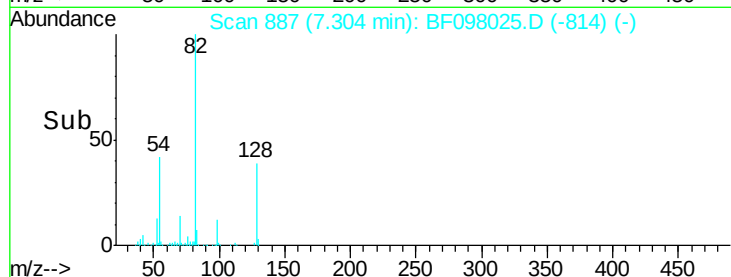
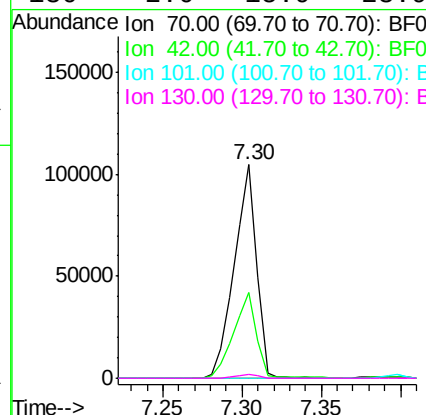
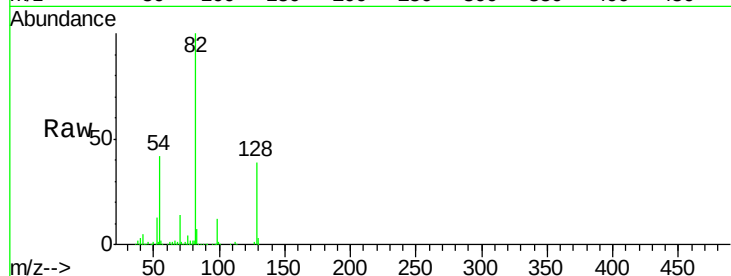




#19
n-Nitroso-di-n-propylamine
Concen: 14.49 ng
RT: 7.30 min Scan# 887
Delta R.T. 0.13 min
Lab File: BF098025.D
Acq: 25 Aug 2017 2:07

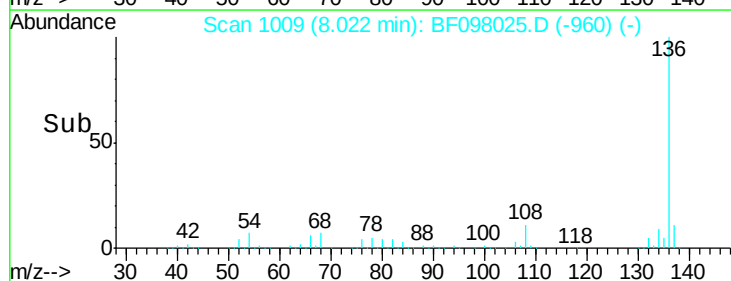
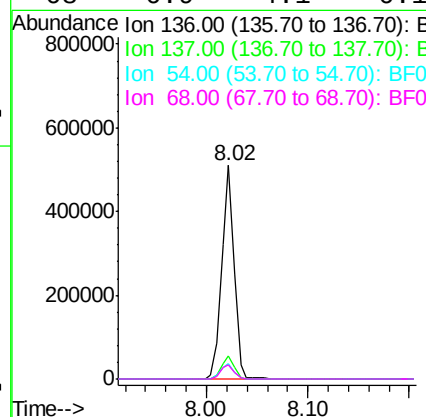
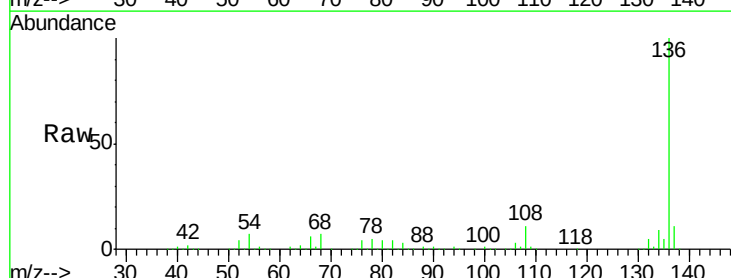
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SB3-SOIL-0-6.0

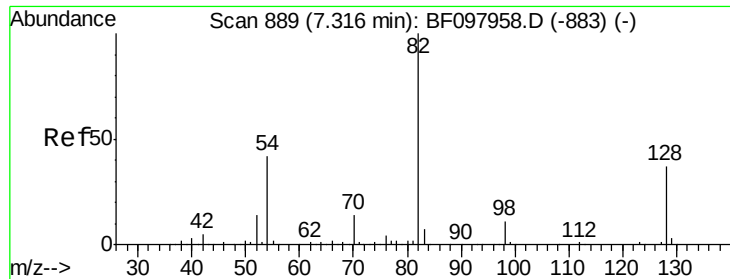
Tot Ion:	70	Resp:	102309
Ion	Ratio	Lower	Upper
70	100		
42	39.9	47.2	70.8#
101	0.0	7.2	10.8#
130	2.0	15.9	23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF098025.D
Acq: 25 Aug 2017 2:07

Tgt Ion:	136	Resp:	434721
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	7.4	4.9	7.3#
68	6.9	4.1	6.1#

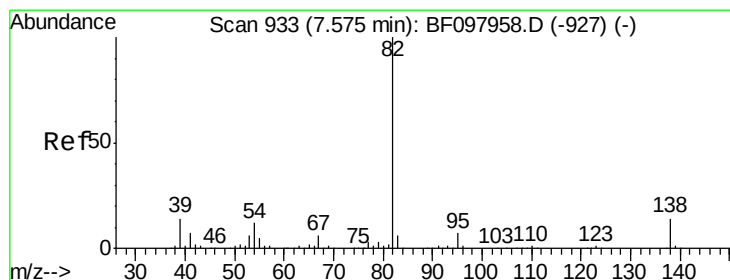
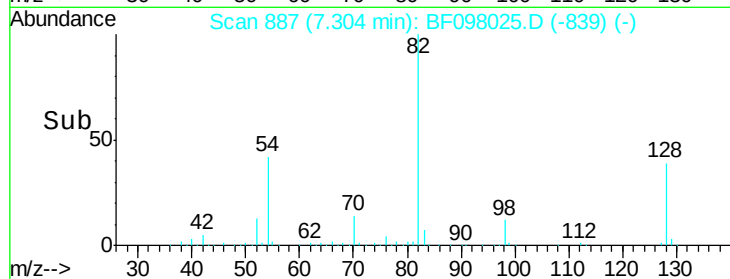
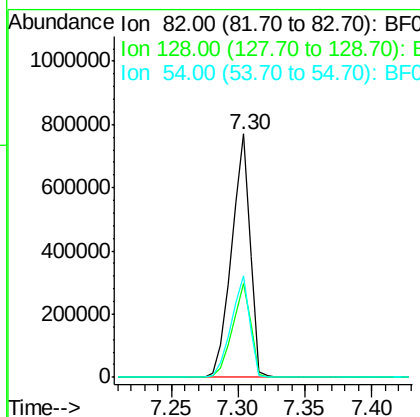
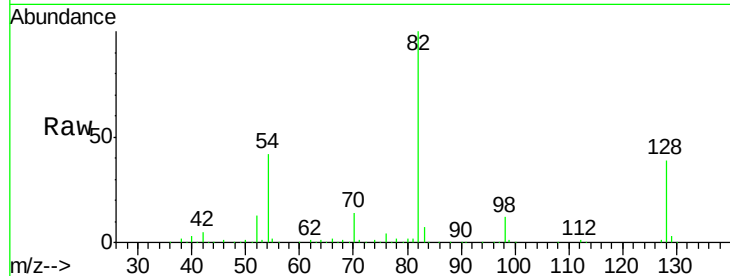




#23
 Nitrobenzene-d5
 Concen: 94.71 ng
 RT: 7.30 min Scan# 887
 Delta R.T. -0.02 min
 Lab File: BF098025.D
 Acq: 25 Aug 2017 2:07

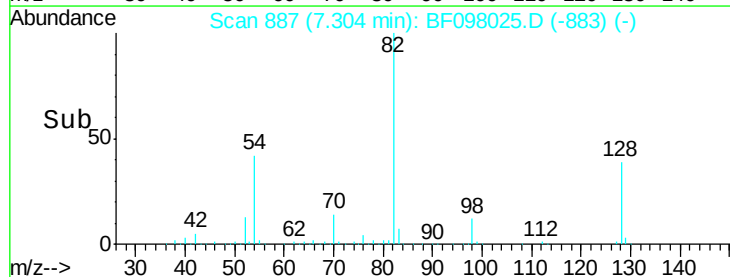
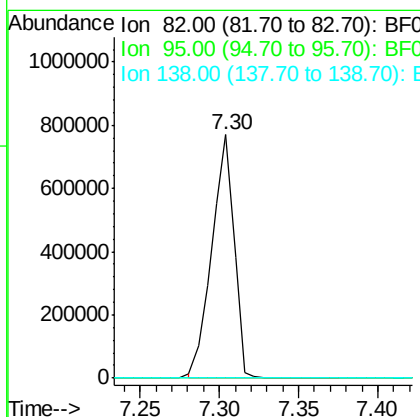
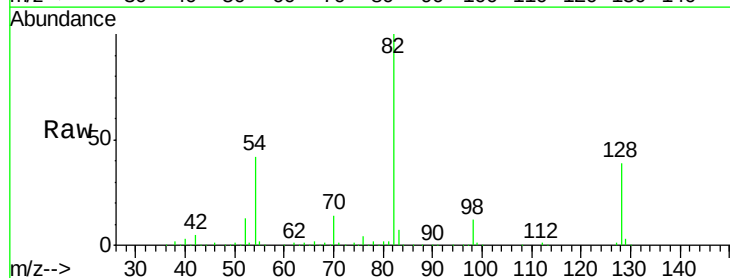
Instrument :
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 ClientSampleId :
 SB3-SOIL-0-6.0

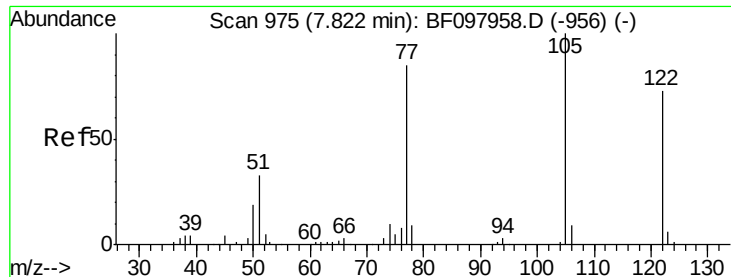
Tot Ion	82	Resp	757865
Ion Ratio	Lower	Upper	
82	100		
128	38.7	34.0	51.0
54	41.7	42.2	63.2#



#25
 Isophorone
 Concen: 44.98 ng
 RT: 7.30 min Scan# 887
 Delta R.T. -0.28 min
 Lab File: BF098025.D
 Acq: 25 Aug 2017 2:07

Tgt Ion	82	Resp	748439
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

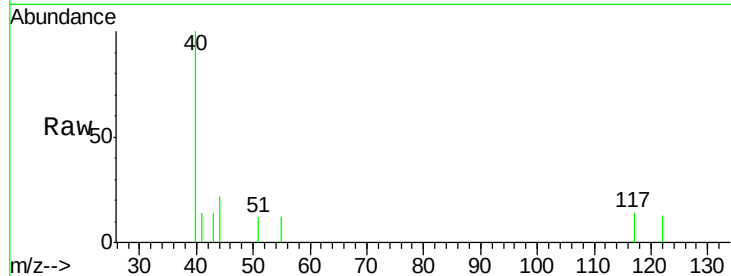




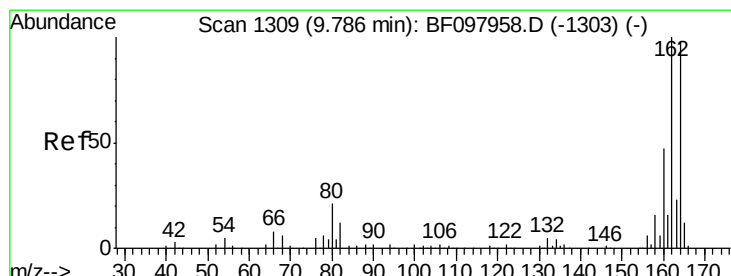
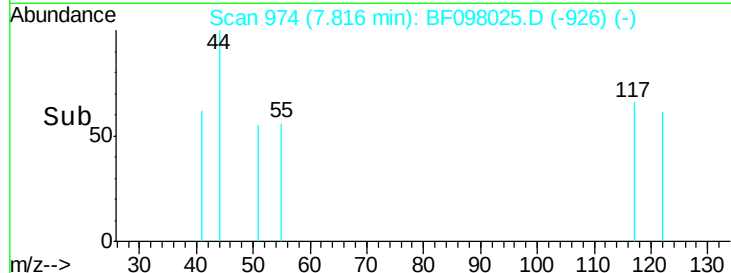
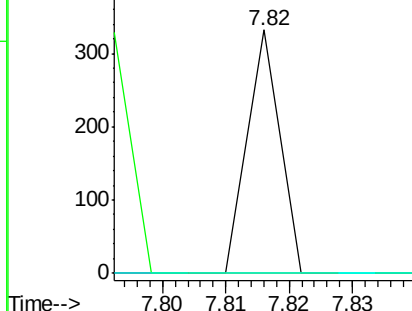
#32
Benzoic acid
Concen: 6.42 ng
RT: 7.82 min Scan# 974
Delta R.T. -0.02 min
Lab File: BF098025.D
Acq: 25 Aug 2017 2:07

Instrument :
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SB3-SOIL-0-6.0

Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	103.3	143.3#
77	0.0	73.7	113.7#

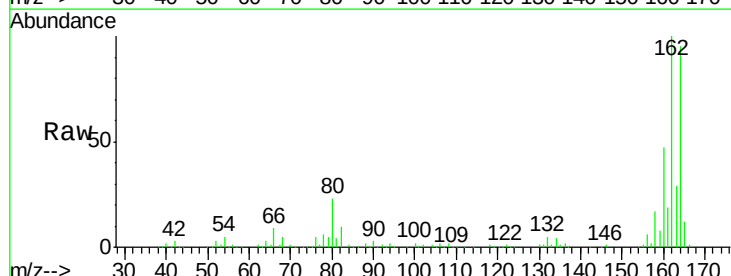


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

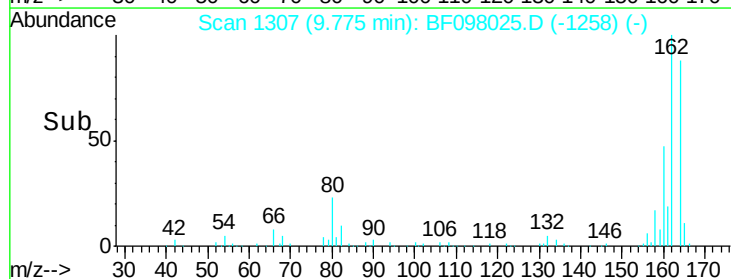
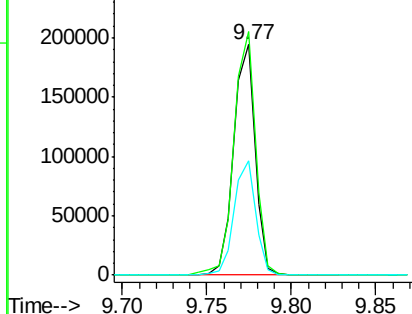


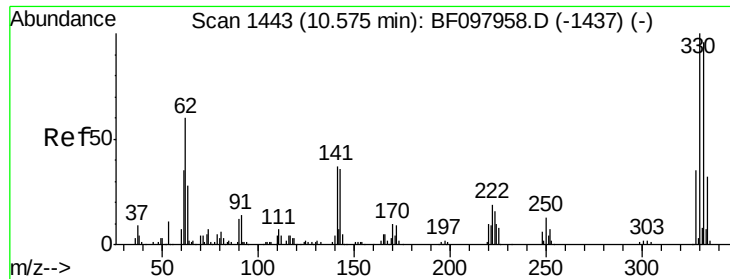
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BF098025.D
Acq: 25 Aug 2017 2:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.6	82.6	123.8
160	49.7	36.2	54.2



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

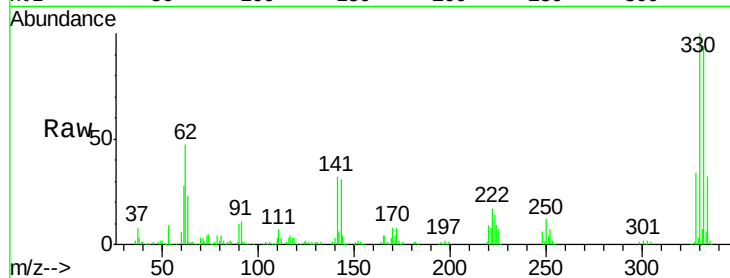




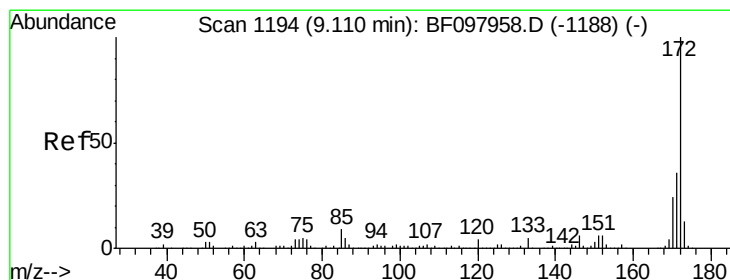
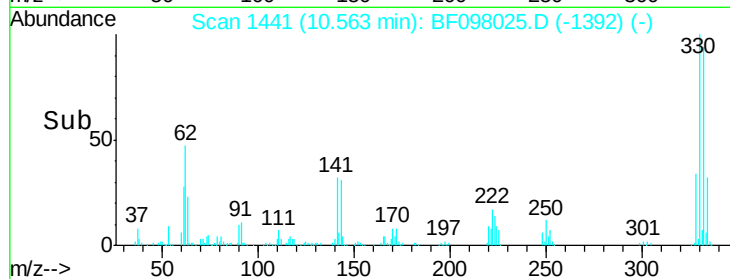
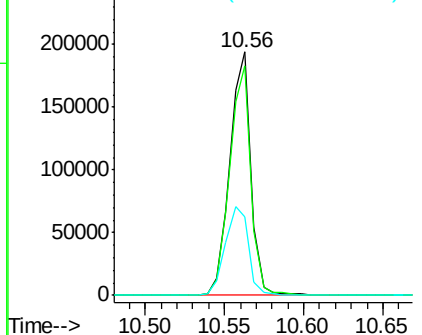
#41
 2,4,6-Tribromophenol
 Concen: 121.24 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF098025.D
 Acq: 25 Aug 2017 2:07

Instrument :
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 SB3-SOIL-0-6.0

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.6	115.0
141	40.4	31.4	47.2

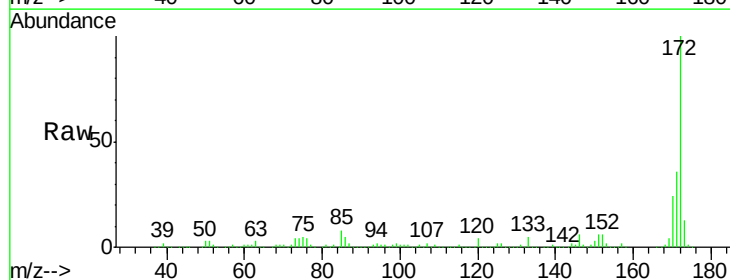


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

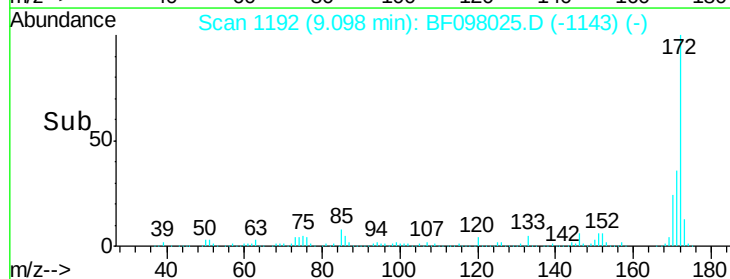
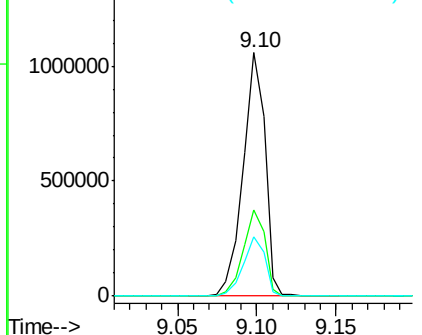


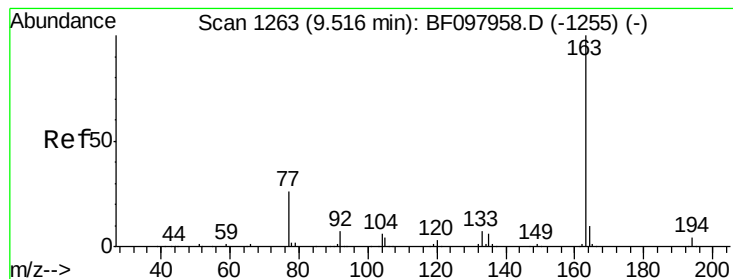
#44
 2-Fluorobiphenyl
 Concen: 87.31 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF098025.D
 Acq: 25 Aug 2017 2:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.6	44.4
170	24.3	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





#49

Dimethylphthalate

Concen: 16.60 ng

RT: 9.49 min Scan# 1259

Delta R.T. -0.02 min

Lab File: BF098025.D

Acq: 25 Aug 2017 2:07

Instrument :

BNA_F

ClientSampleId :

SB3-SOIL-0-6.0

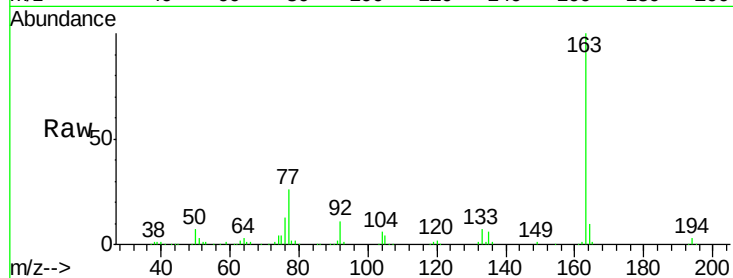
Tot Ion:163 Resp: 207253

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

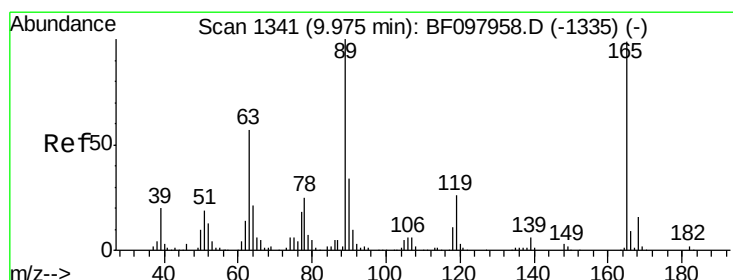
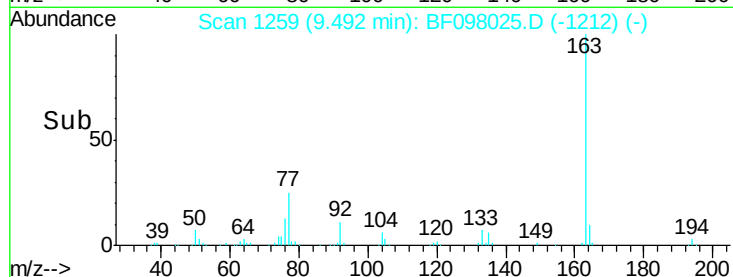
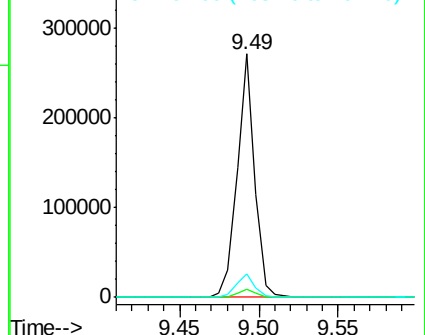
164 9.7 8.4 12.6



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



#56

2,4-Dinitrotoluene

Concen: 6.86 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.20 min

Lab File: BF098025.D

Acq: 25 Aug 2017 2:07

Tgt Ion:165 Resp: 21459

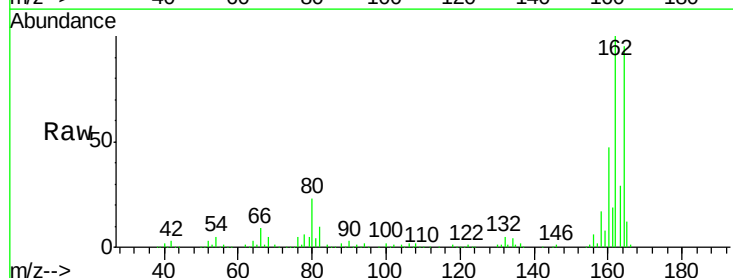
Ion Ratio Lower Upper

165 100

63 1.8 25.4 38.0#

89 1.7 46.4 69.6#

182 0.0 1.8 2.6#

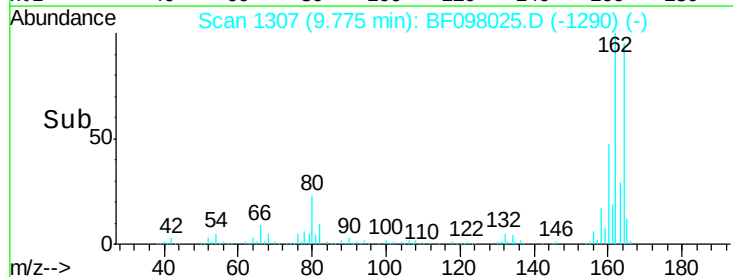
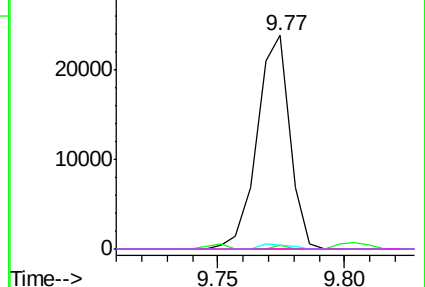


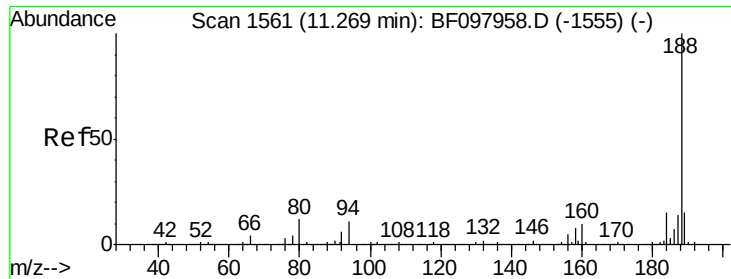
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

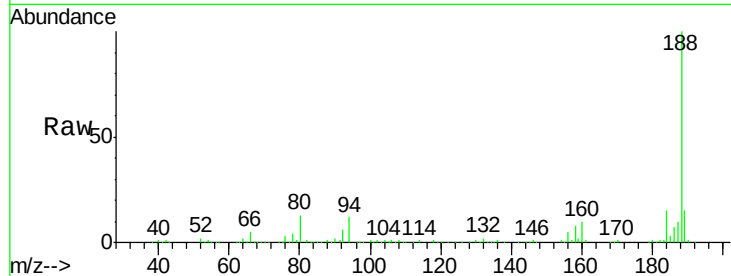




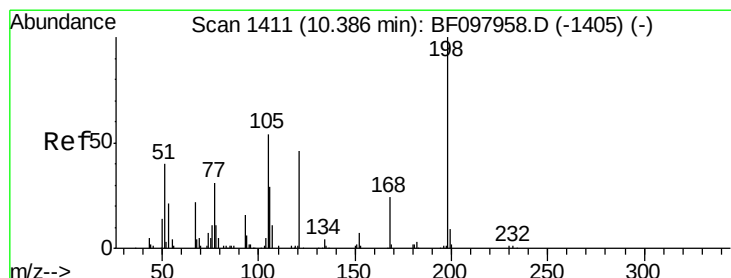
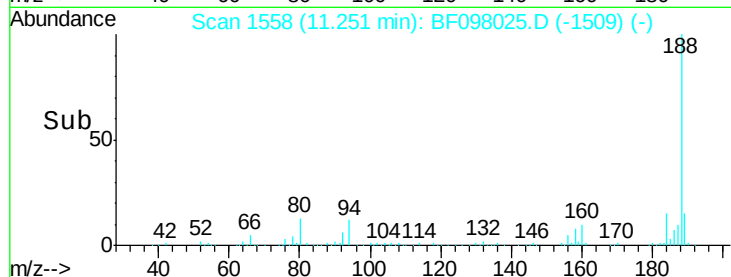
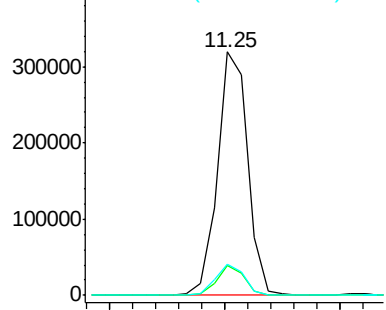
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF098025.D
Acq: 25 Aug 2017 2:07

Instrument :
BNA_F
ClientSampleId :
SB3-SOIL-0-6.0

Tot Ion:188 Resp: 291299
Ion Ratio Lower Upper
188 100
94 12.3 9.4 14.2
80 13.0 10.2 15.2

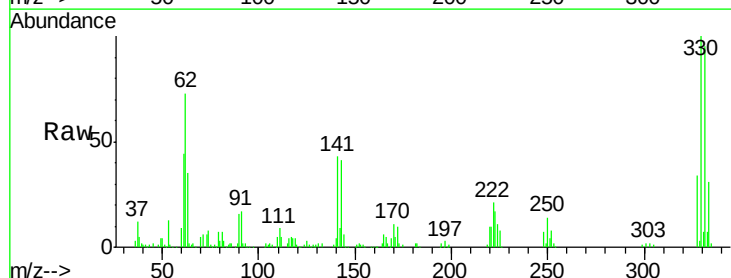


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

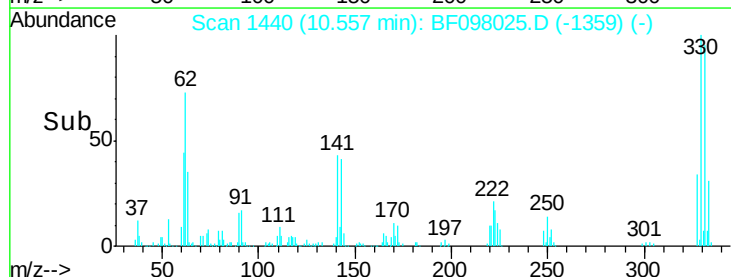
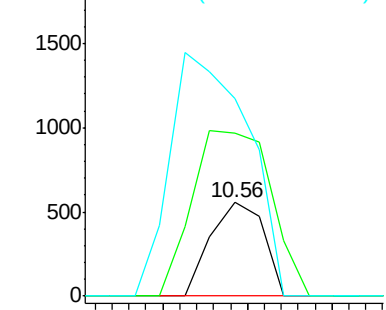


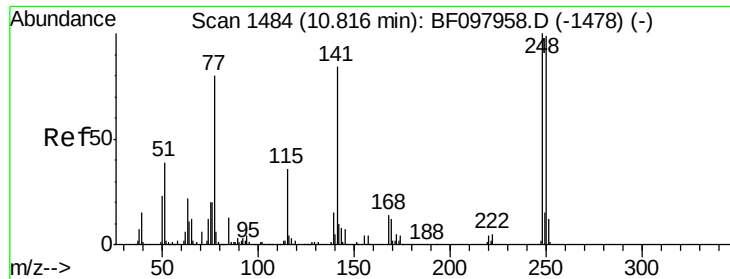
#64
4,6-Dinitro-2-methylphenol
Concen: 8.62 ng
RT: 10.56 min Scan# 1440
Delta R.T. 0.18 min
Lab File: BF098025.D
Acq: 25 Aug 2017 2:07

Tgt Ion:198 Resp: 489
Ion Ratio Lower Upper
198 100
51 173.7 53.2 93.2#
105 210.4 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

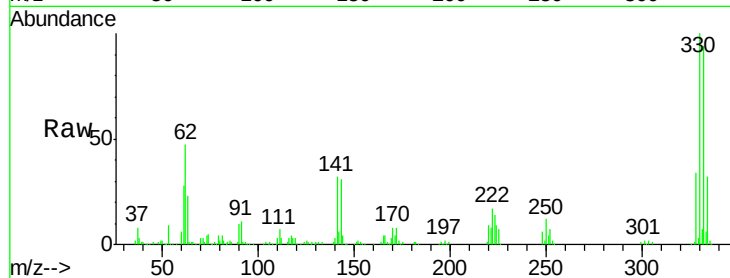




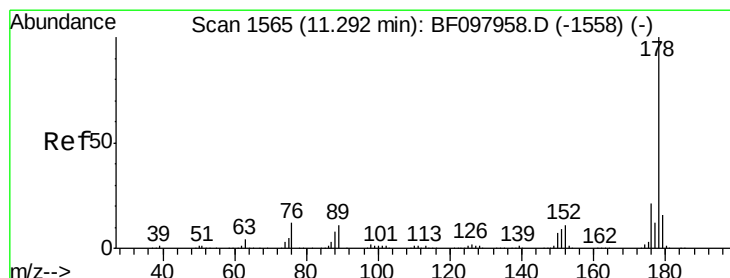
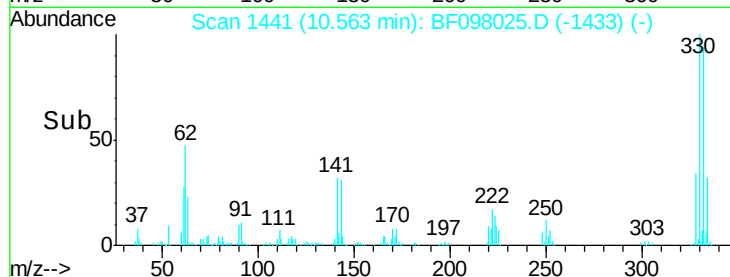
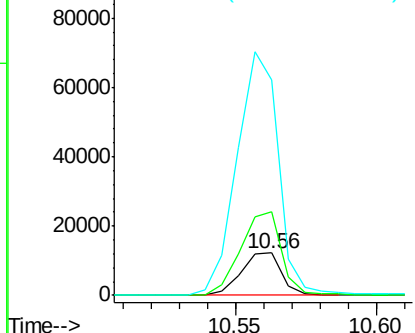
#66
 4-Bromophenyl-phenylether
 Concen: 4.01 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.25 min
 Lab File: BF098025.D
 Acq: 25 Aug 2017 2:07

Instrument :
 BNA_F
 ClientSampleId :
 SB3-SOIL-0-6.0

Tot Ion:248 Resp: 12132
 Ion Ratio Lower Upper
 248 100
 250 199.0 76.8 115.2#
 141 512.7 68.6 103.0#

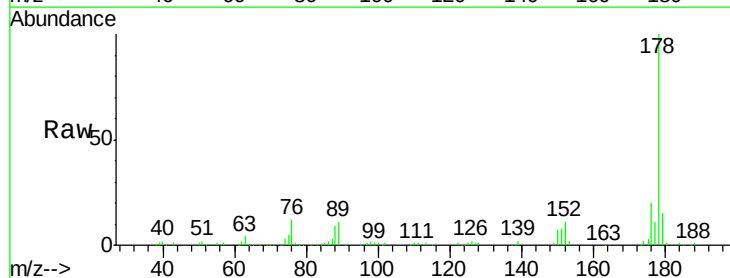


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

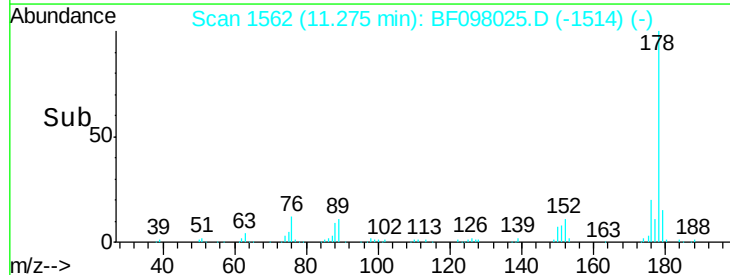
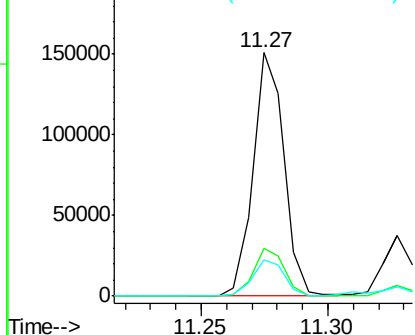


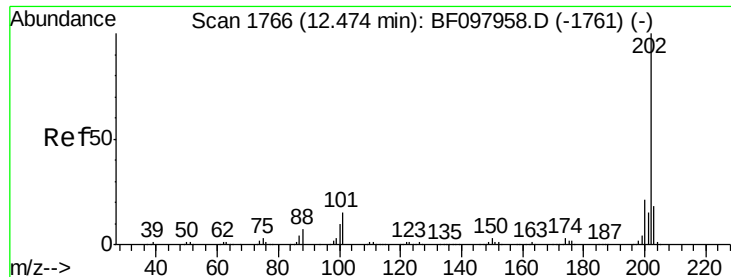
#70
 Phenanthrene
 Concen: 8.24 ng
 RT: 11.27 min Scan# 1562
 Delta R.T. -0.02 min
 Lab File: BF098025.D
 Acq: 25 Aug 2017 2:07

Tgt Ion:178 Resp: 127911
 Ion Ratio Lower Upper
 178 100
 176 19.8 16.2 24.4
 179 14.7 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





#74

Fluoranthene

Concen: 11.15 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF098025.D

Acq: 25 Aug 2017 2:07

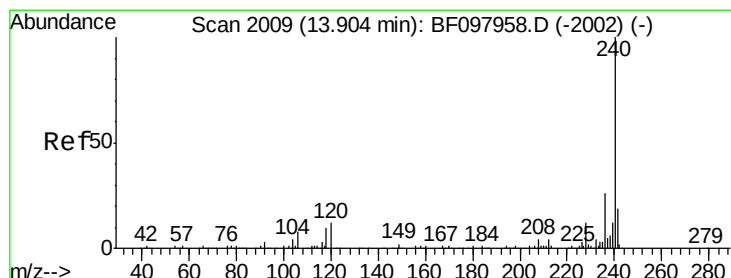
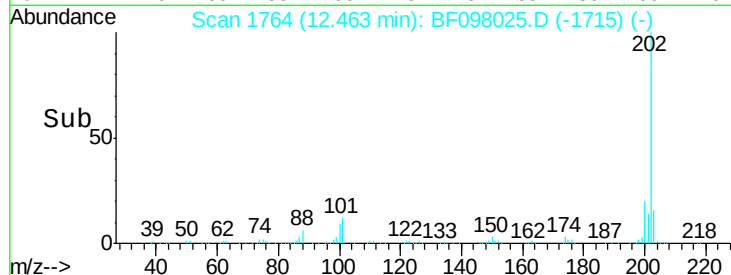
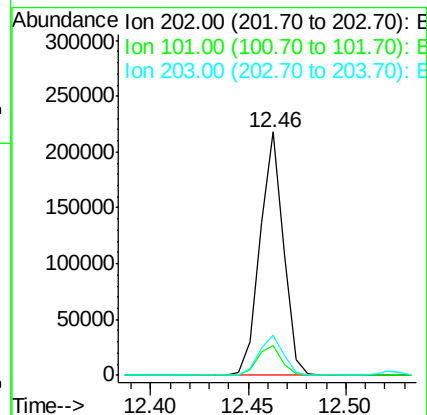
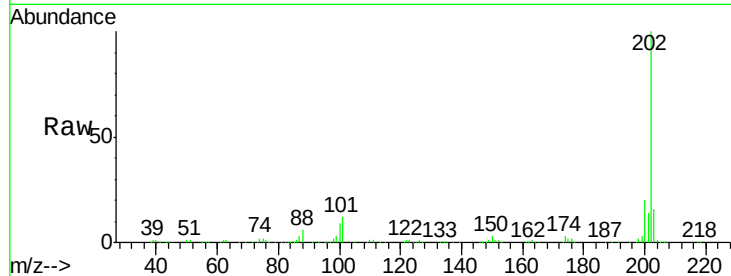
Instrument :

BNA_F

ClientSampleId :

SB3-SOIL-0-6.0

Tot Ion:	202	Resp:	180710
Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	33.2
203	16.4	0.0	38.1



#75

Chrysene-d12

Concen: 20.00 ng

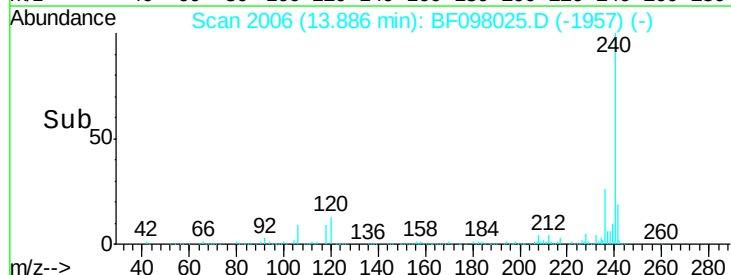
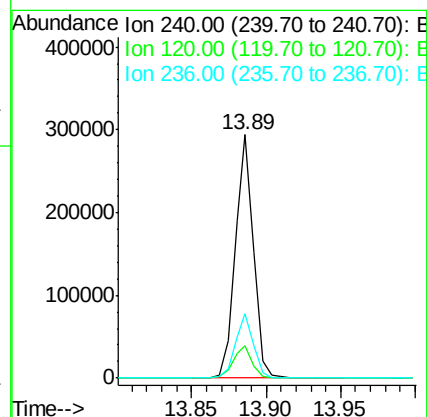
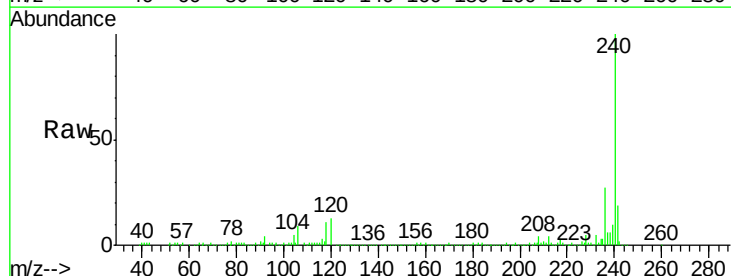
RT: 13.89 min Scan# 2006

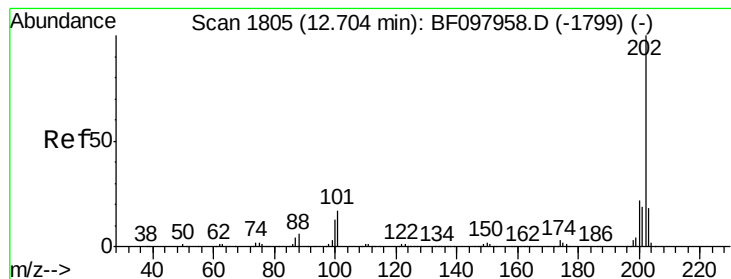
Delta R.T. -0.01 min

Lab File: BF098025.D

Acq: 25 Aug 2017 2:07

Tgt Ion:	240	Resp:	252570
Ion	Ratio	Lower	Upper
240	100		
120	13.2	5.8	8.8#
236	26.7	20.5	30.7





#77

Pvrene

Concen: 7.71 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF098025.D

Acq: 25 Aug 2017 2:07

Instrument :

BNA_F

ClientSampleId :

SB3-SOIL-0-6.0

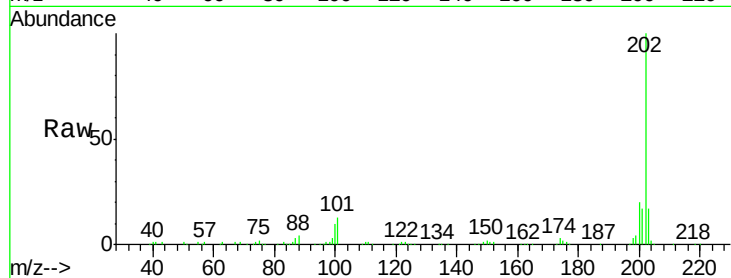
Tot Ion:202 Resp: 159240

Ion Ratio Lower Upper

202 100

200 20.4 17.6 26.4

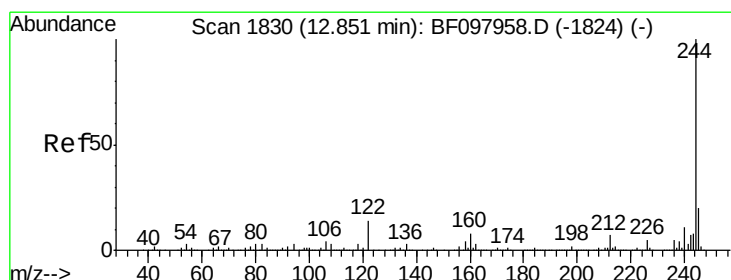
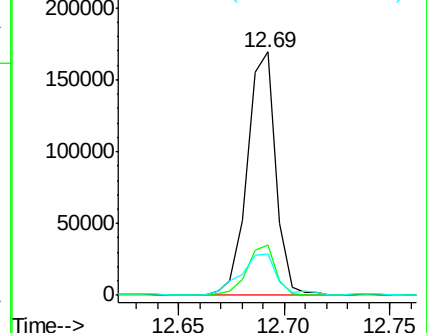
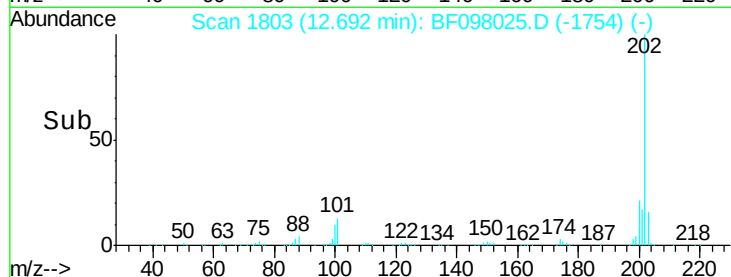
203 16.9 14.4 21.6



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: 60.65 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF098025.D

Acq: 25 Aug 2017 2:07

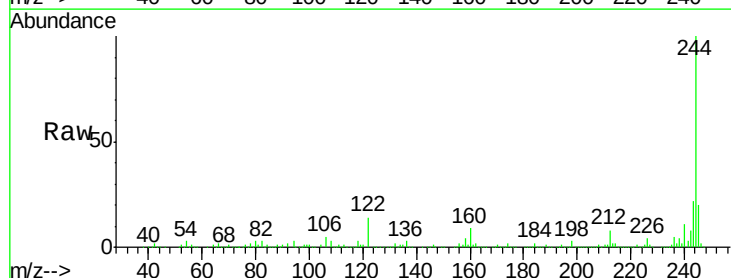
Tgt Ion:244 Resp: 734610

Ion Ratio Lower Upper

244 100

212 7.8 6.0 9.0

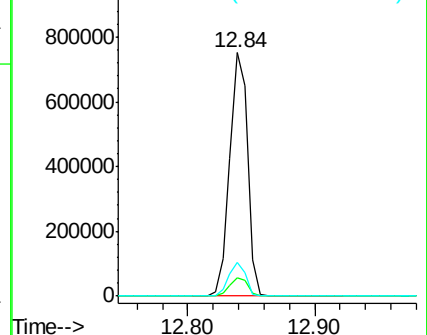
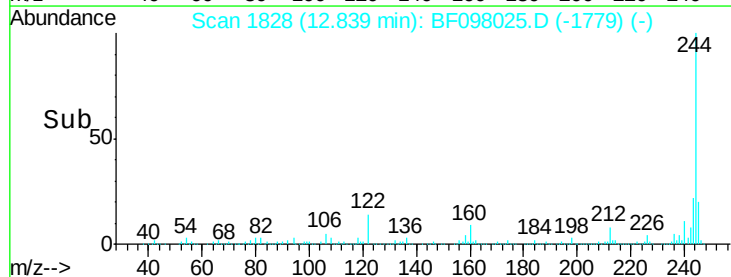
122 14.0 10.3 15.5

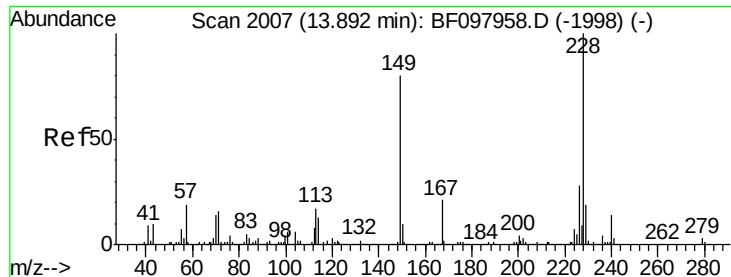


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

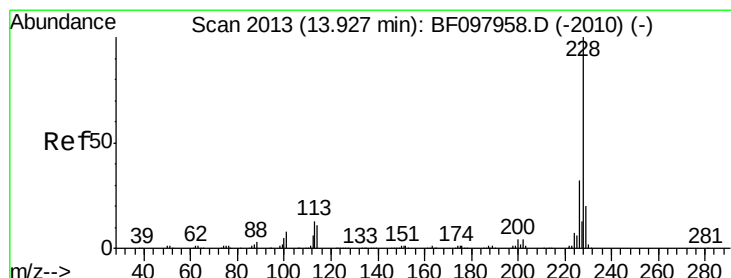
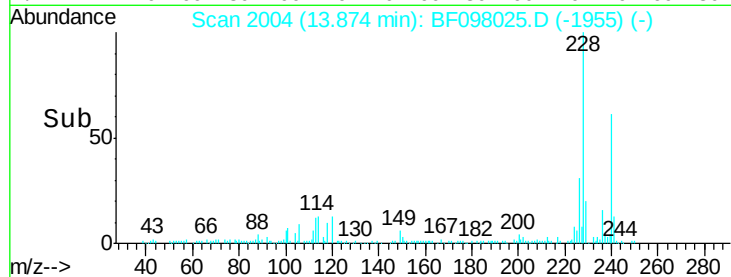
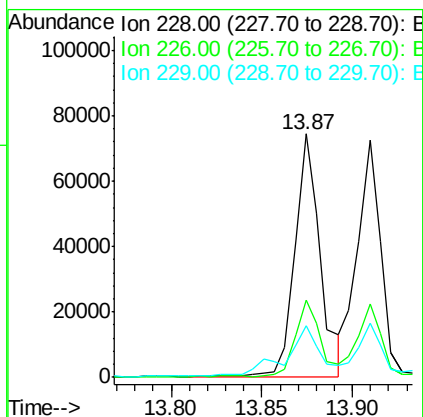
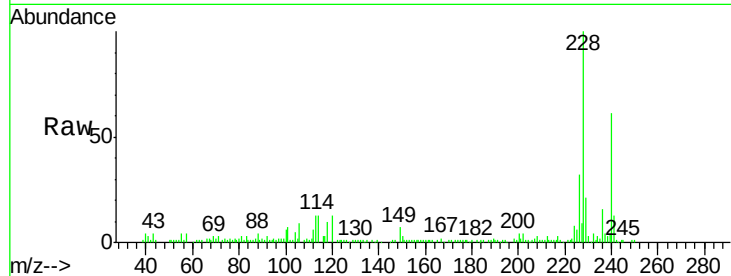




#80
Benzo(a)anthracene
Concen: 4.89 ng
RT: 13.87 min Scan# 2004
Delta R.T. -0.01 min
Lab File: BF098025.D
Acq: 25 Aug 2017 2:07

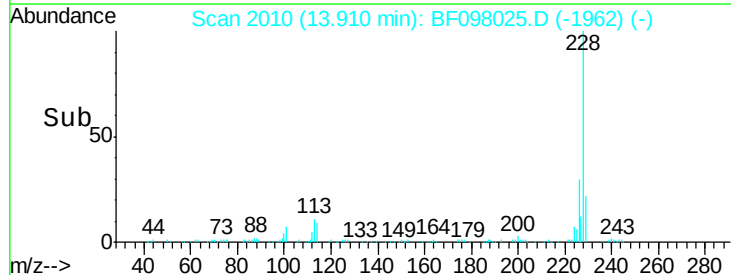
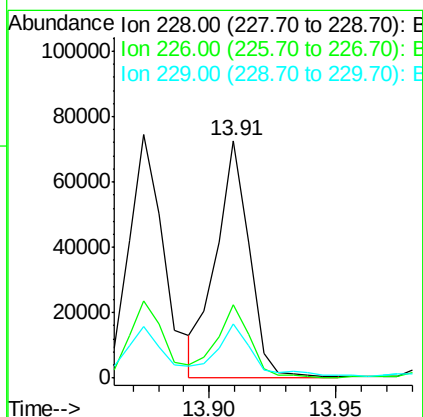
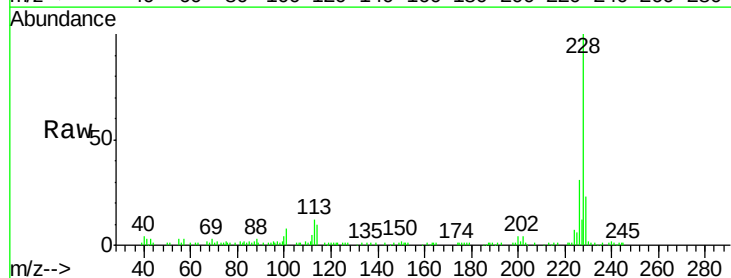
Instrument :
BNA_F
ClientSampleId :
SB3-SOIL-0-6.0

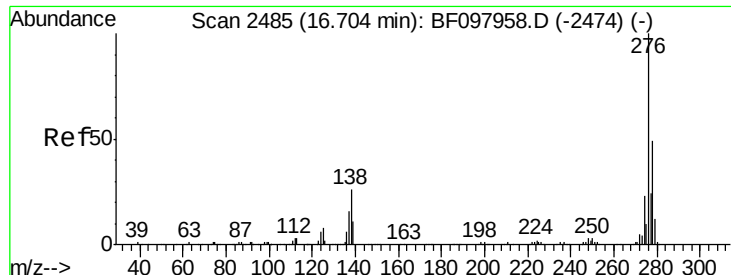
Tot Ion:228 Resp: 74078
Ion Ratio Lower Upper
228 100
226 31.8 22.6 33.8
229 21.4 16.3 24.5



#82
Chrysene
Concen: 4.38 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.02 min
Lab File: BF098025.D
Acq: 25 Aug 2017 2:07

Tgt Ion:228 Resp: 65940
Ion Ratio Lower Upper
228 100
226 30.9 24.9 37.3
229 22.5 15.8 23.6

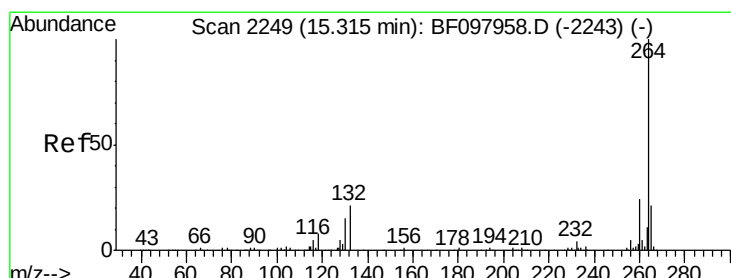
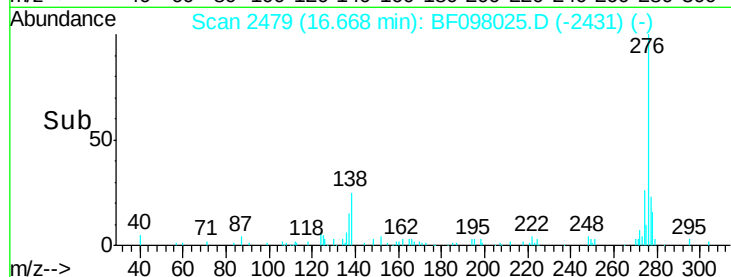
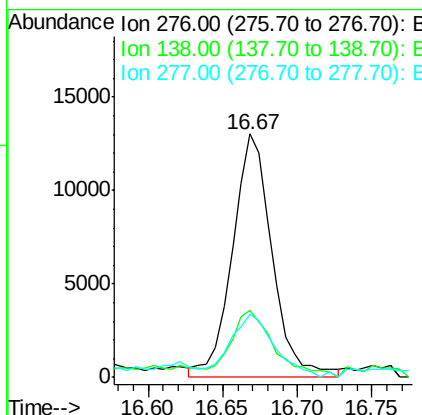
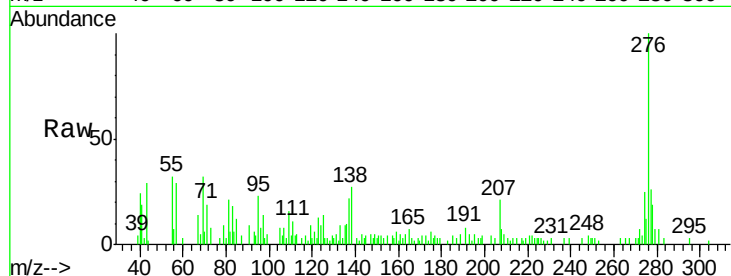




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.18 ng
 RT: 16.67 min Scan# 2479
 Delta R.T. -0.02 min
 Lab File: BF098025.D
 Acq: 25 Aug 2017 2:07

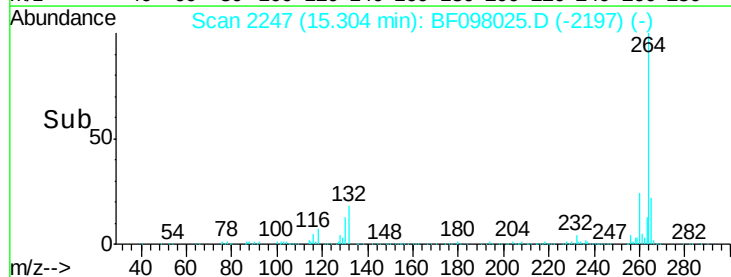
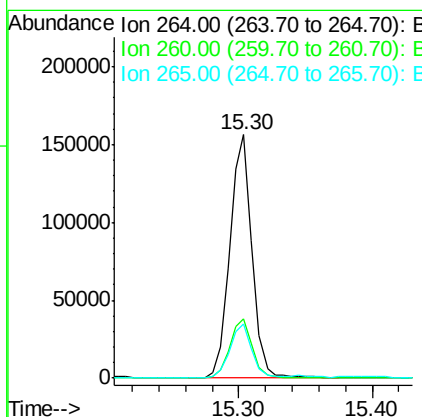
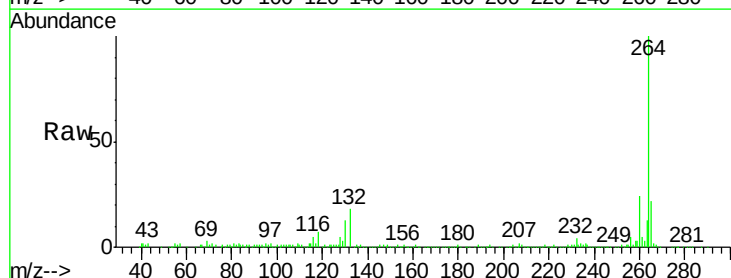
Instrument :
 BNA_F
 ClientSampleId :
 SB3-SOIL-0-6.0

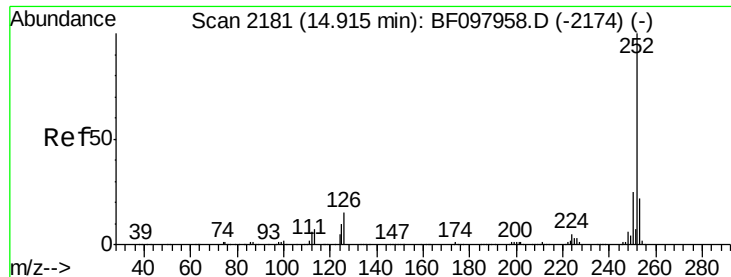
Tot Ion	Ratio	Lower	Upper
276	100		
138	30.1	27.8	41.6
277	29.1	20.2	30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.30 min Scan# 2247
 Delta R.T. -0.01 min
 Lab File: BF098025.D
 Acq: 25 Aug 2017 2:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	22.0	17.2	25.8

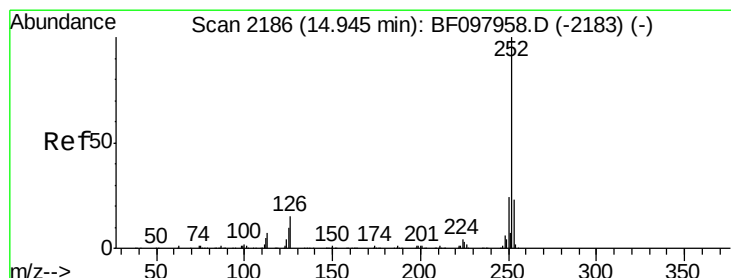
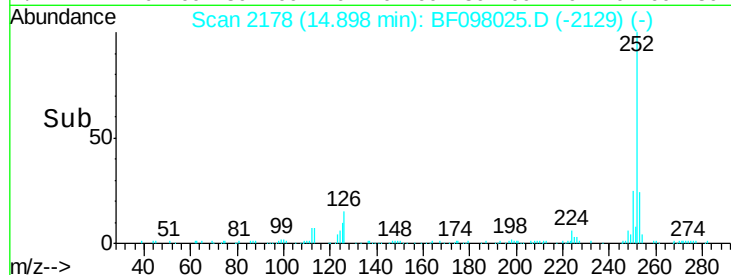
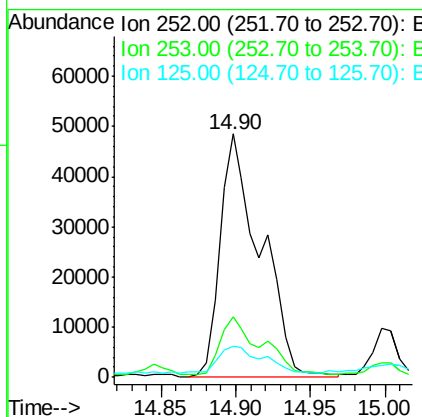
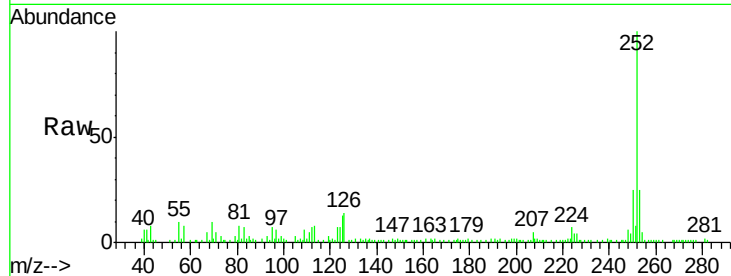




#87
Benzo(b)fluoranthene
Concen: 7.95 ng
RT: 14.90 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BF098025.D
Acq: 25 Aug 2017 2:07

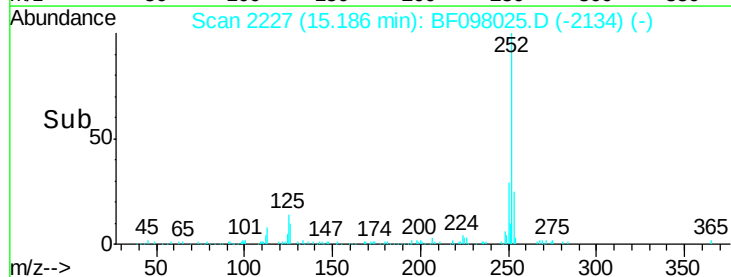
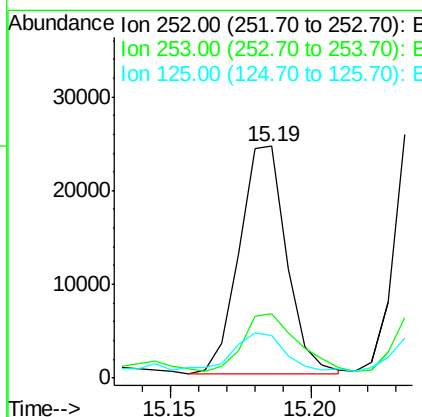
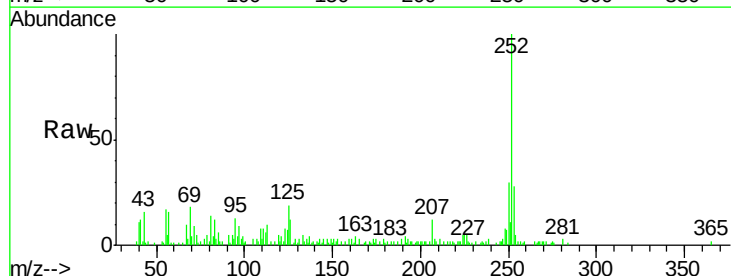
Instrument :
BNA_F
ClientSampleId :
SB3-SOIL-0-6.0

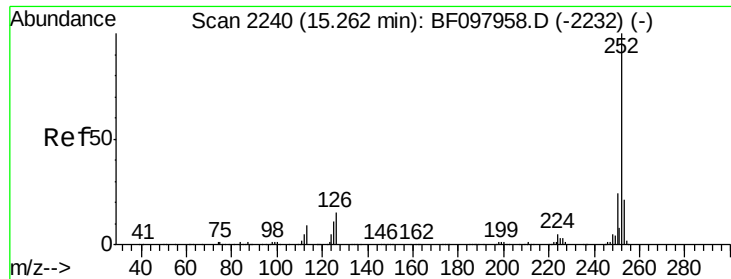
Tot Ion:252 Resp: 91551
Ion Ratio Lower Upper
252 100
253 24.8 18.1 27.1
125 12.5 9.8 14.8



#88
Benzo(k)fluoranthene
Concen: 2.59 ng
RT: 15.19 min Scan# 2227
Delta R.T. 0.25 min
Lab File: BF098025.D
Acq: 25 Aug 2017 2:07

Tgt Ion:252 Resp: 28057
Ion Ratio Lower Upper
252 100
253 27.5 18.4 27.6
125 18.7 13.1 19.7

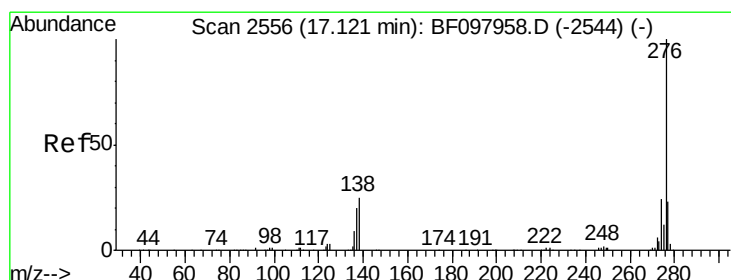
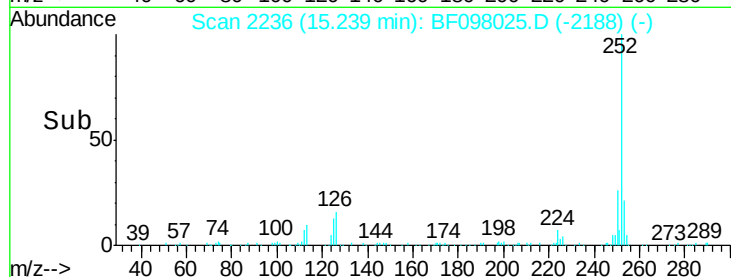
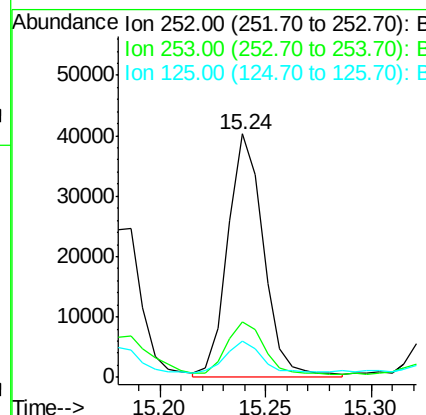
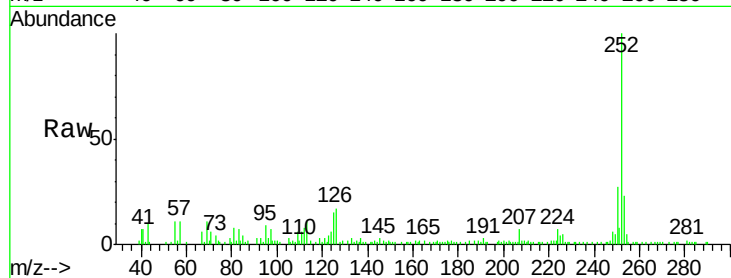




#89
Benzo(a)pyrene
Concen: 4.60 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.02 min
Lab File: BF098025.D
Acq: 25 Aug 2017 2:07

Instrument :
BNA_F
ClientSampleId :
SB3-SOIL-0-6.0

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	15.0	11.0	16.4



#91
Benzo(g,h,i)perylene
Concen: 2.53 ng
RT: 17.09 min Scan# 2550
Delta R.T. -0.02 min
Lab File: BF098025.D
Acq: 25 Aug 2017 2:07

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.6	28.0
138	25.5	25.4	38.0

