

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082417\
 Data File : BF098028.D
 Acq On : 25 Aug 2017 3:58
 Operator : SJ/JU
 Sample : I4934-08
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB2-SOIL-0-6.0

Quant Time: Aug 25 04:22:39 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

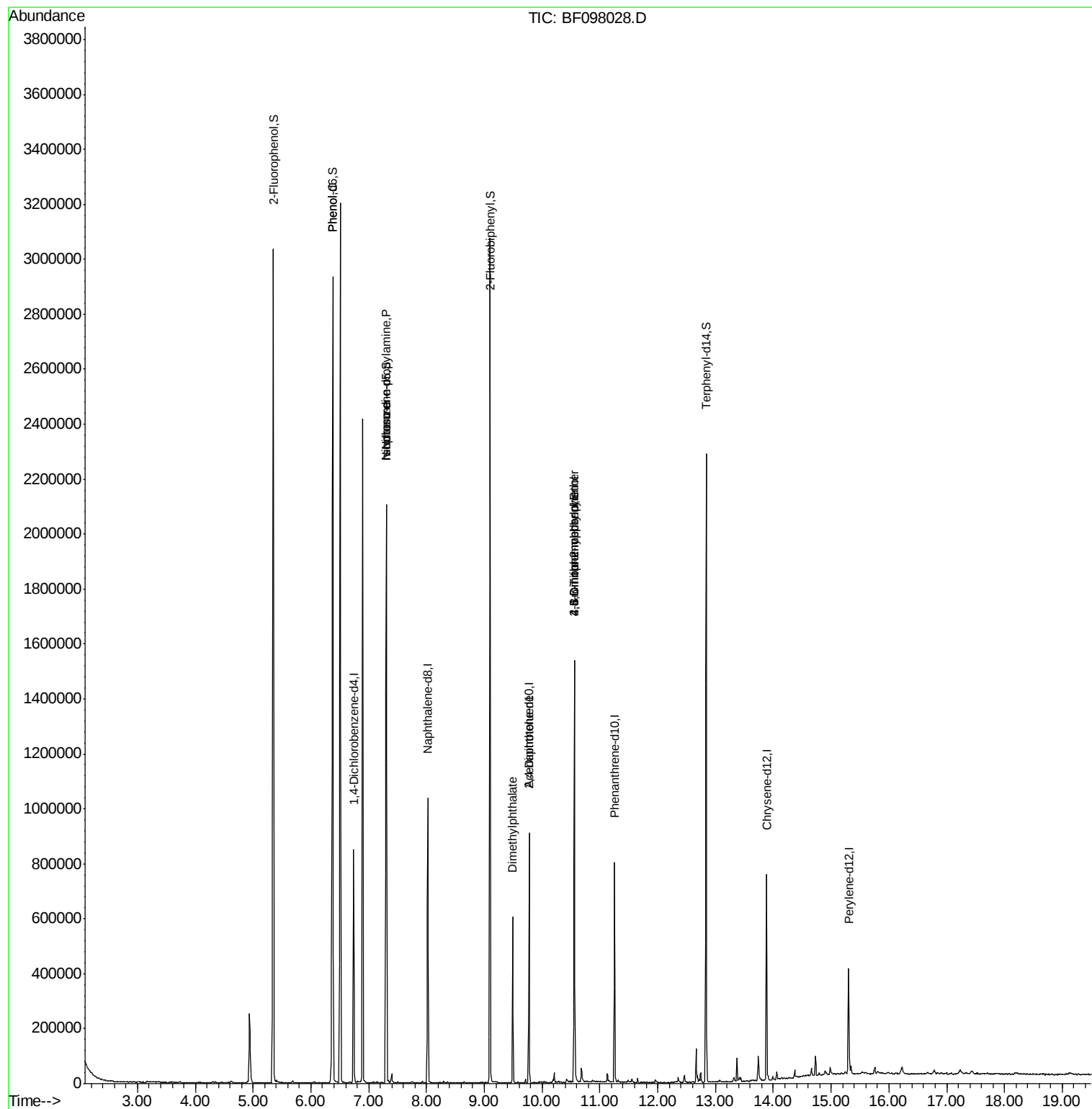
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	109860	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	413697	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	167138	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	282989	20.00	ng	-0.01
75) Chrysene-d12	13.89	240	253475	20.00	ng	-0.01
86) Perylene-d12	15.30	264	177049	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	976118	135.15	ng	0.00
7) Phenol-d6	6.38	99	1320329	134.54	ng	0.00
23) Nitrobenzene-d5	7.30	82	776454	101.96	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	182690	125.98	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	934376	82.14	ng	-0.01
78) Terphenyl-d14	12.84	244	689058	56.69	ng	-0.01
Target Compounds						
10) Phenol	6.39	94	28273	2.46	ng	Qvalue 99
19) n-Nitroso-di-n-propylamine	7.30	70	103017	15.33	ng	# 73
25) Isophorone	7.30	82	766366	48.40	ng	# 67
49) Dimethylphthalate	9.49	163	202177	16.55	ng	99
56) 2,4-Dinitrotoluene	9.77	165	20537	6.71	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.56	198	481	8.62	ng	# 1
66) 4-Bromophenyl-phenylether	10.56	248	11730	3.99	ng	# 1

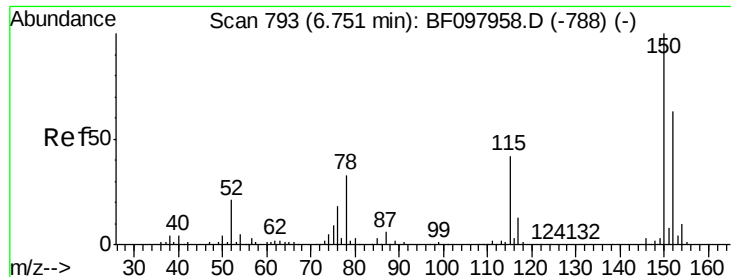
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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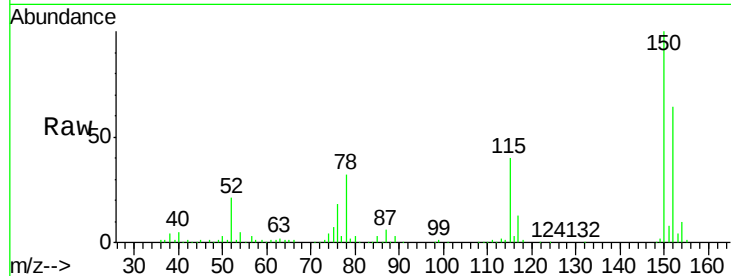


#1

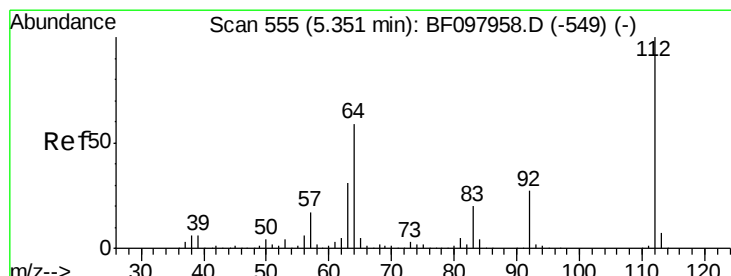
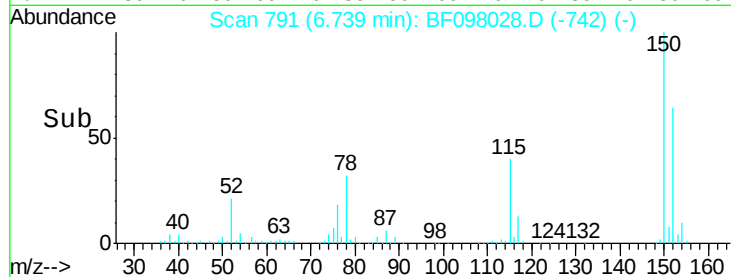
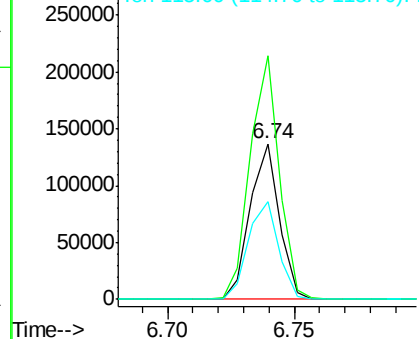
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF098028.D
Acq: 25 Aug 2017 3:58

Instrument :
BNA_F
ClientSampleId :
SB2-SOIL-0-6.0

Tot Ion:152 Resp: 109860
Ion Ratio Lower Upper
152 100
150 156.2 126.2 189.2
115 62.9 52.2 78.2



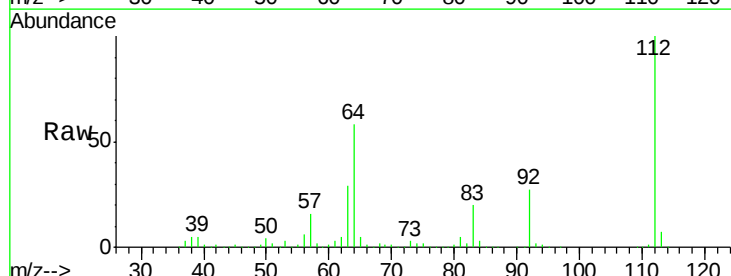
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



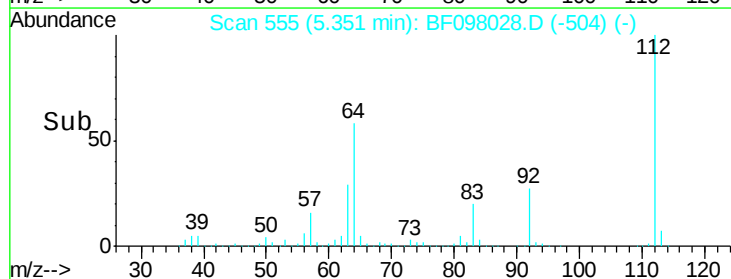
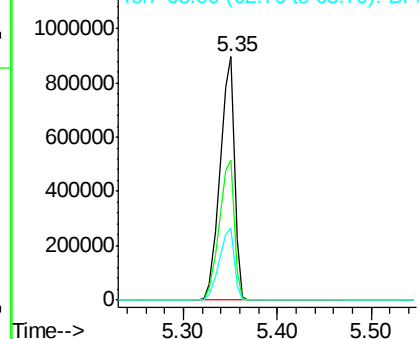
#5

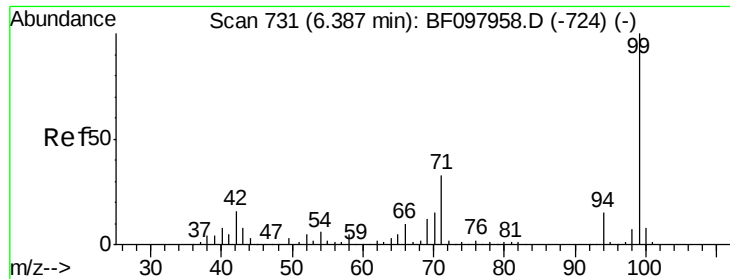
2-Fluorophenol
Concen: 135.15 ng
RT: 5.35 min Scan# 555
Delta R.T. -0.00 min
Lab File: BF098028.D
Acq: 25 Aug 2017 3:58

Tgt Ion:112 Resp: 976118
Ion Ratio Lower Upper
112 100
64 57.6 46.0 69.0
63 29.4 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: 134.54 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF098028.D

Acq: 25 Aug 2017 3:58

Instrument :

BNA_F

ClientSampleId :

SB2-SOIL-0-6.0

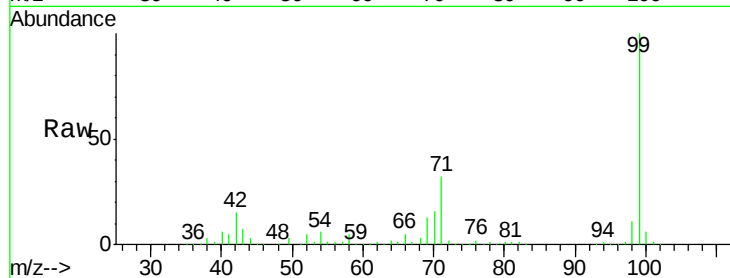
Tot Ion: 99 Resp: 1320329

Ion Ratio Lower Upper

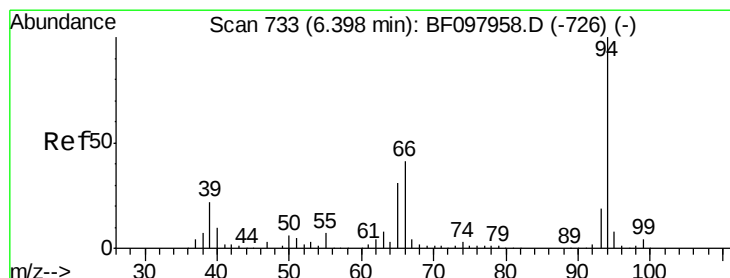
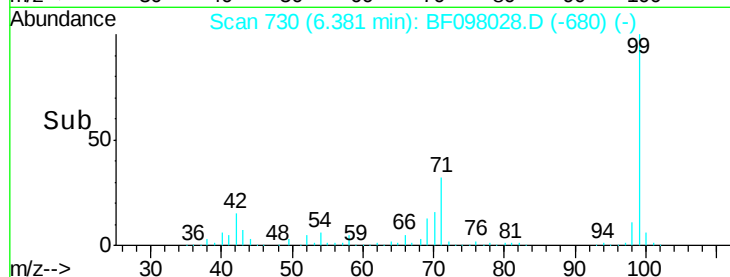
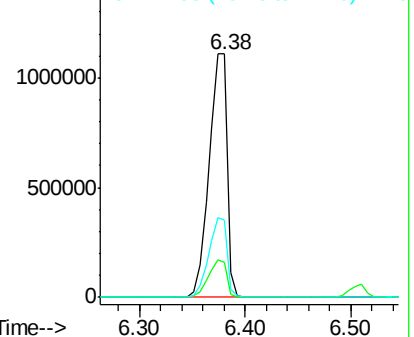
99 100

42 14.5 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: 2.46 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF098028.D

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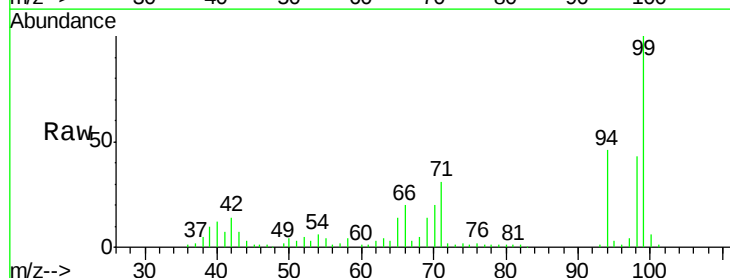
Tgt Ion: 94 Resp: 28273

Ion Ratio Lower Upper

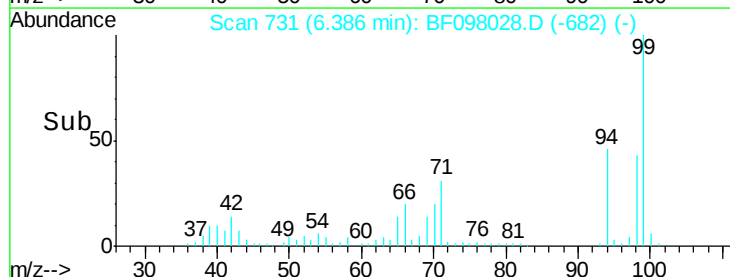
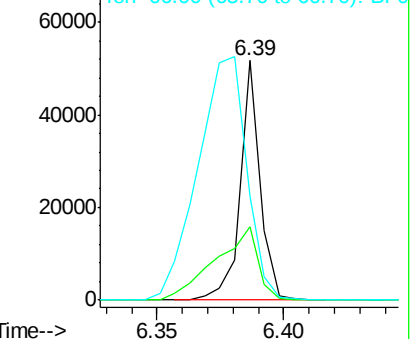
94 100

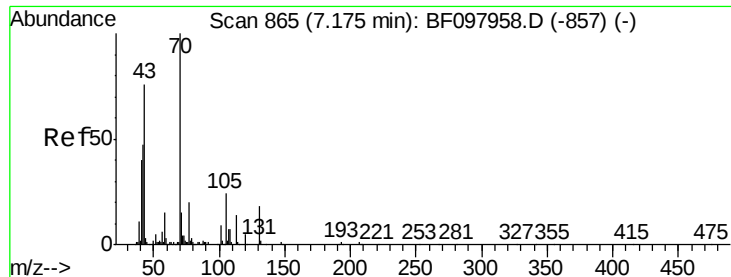
65 30.5 9.9 49.9

66 43.2 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

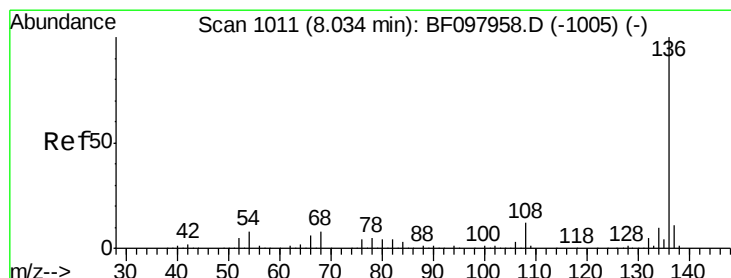
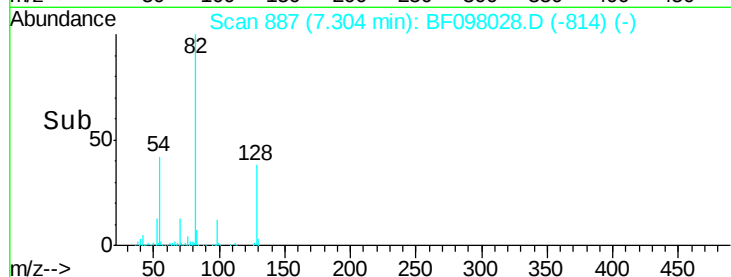
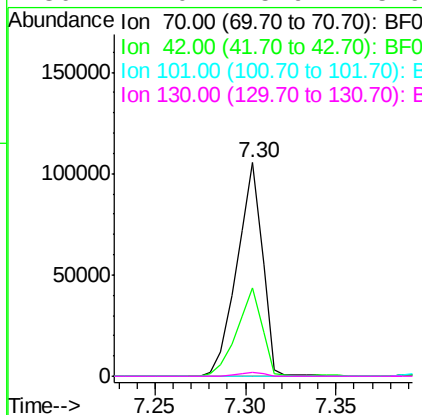
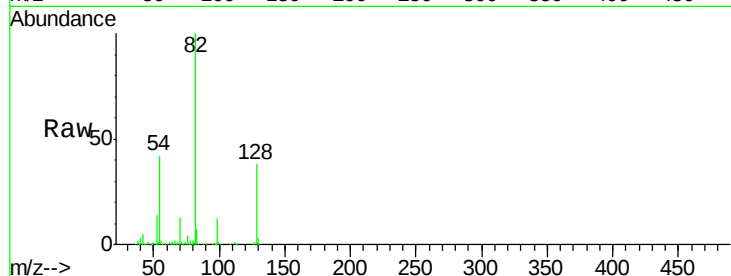




#19
n-Nitroso-di-n-propylamine
Concen: 15.33 ng
RT: 7.30 min Scan# 887
Delta R.T. 0.13 min
Lab File: BF098028.D
Acq: 25 Aug 2017 3:58

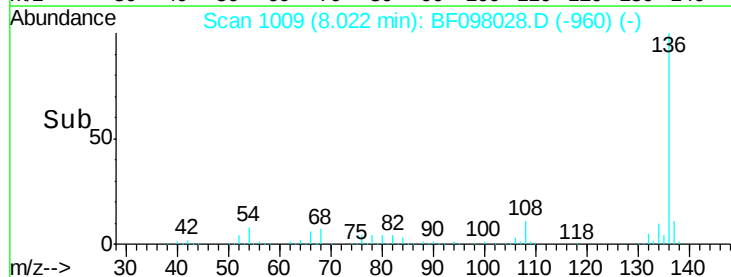
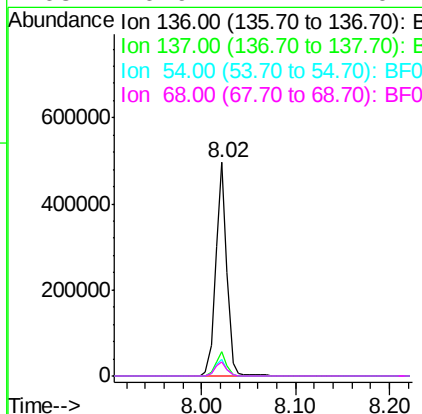
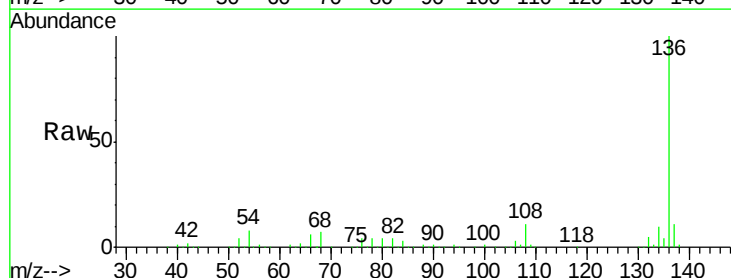
Instrument :
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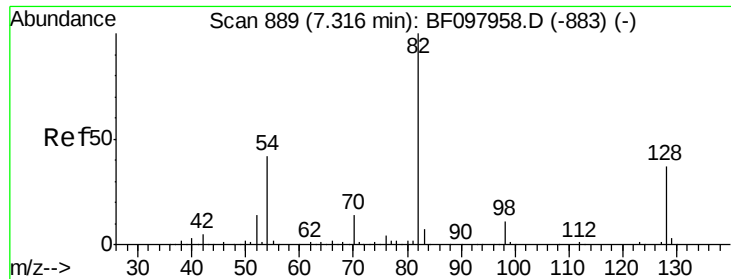
Tot Ion: 70 Resp: 103017
Ion Ratio Lower Upper
70 100
42 41.2 47.2 70.8#
101 0.0 7.2 10.8#
130 2.0 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF098028.D
Acq: 25 Aug 2017 3:58

Tgt Ion: 136 Resp: 413697
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 7.6 4.9 7.3#
68 6.9 4.1 6.1#

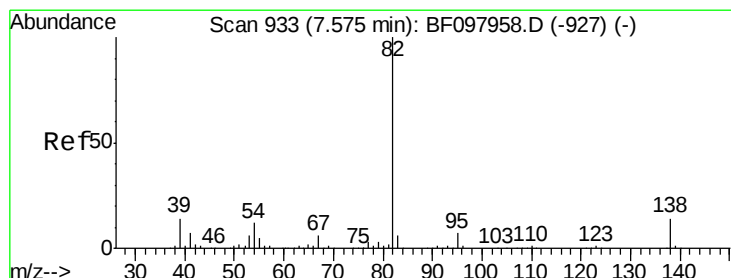
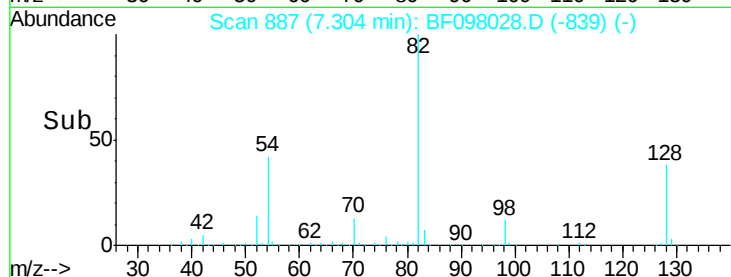
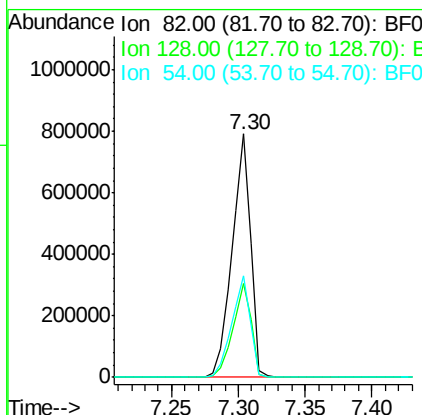
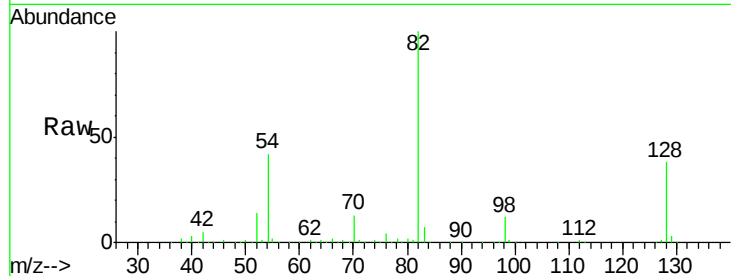




#23
 Nitrobenzene-d5
 Concen: 101.96 ng
 RT: 7.30 min Scan# 887
 Delta R.T. -0.02 min
 Lab File: BF098028.D
 Acq: 25 Aug 2017 3:58

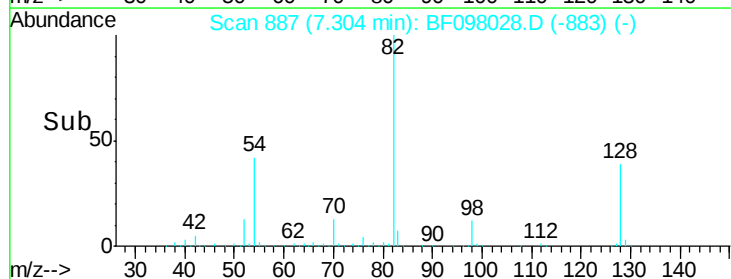
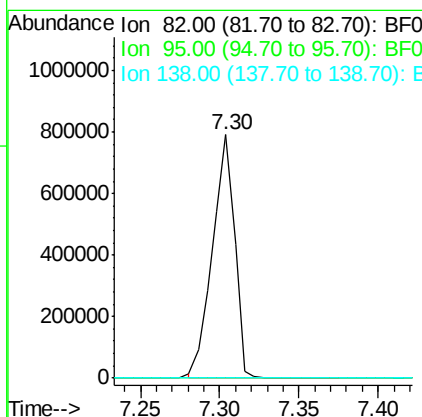
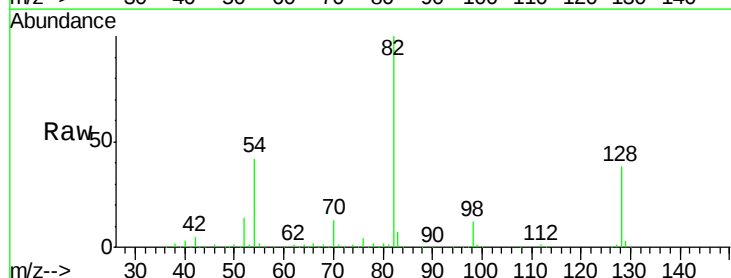
Instrument :
 BNA_F
 ClientSampleId :
 SB2-SOIL-0-6.0

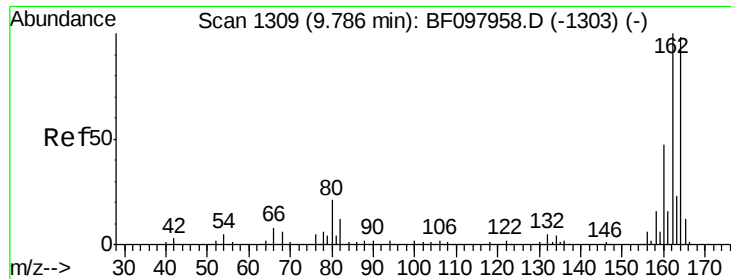
Tot Ion	Ratio	Lower	Upper
82	100		
128	38.3	34.0	51.0
54	41.7	42.2	63.2#



#25
 Isophorone
 Concen: 48.40 ng
 RT: 7.30 min Scan# 887
 Delta R.T. -0.28 min
 Lab File: BF098028.D
 Acq: 25 Aug 2017 3:58

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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF098028.D

Acq: 25 Aug 2017 3:58

Instrument :

BNA_F

ClientSampleId :

SB2-SOIL-0-6.0

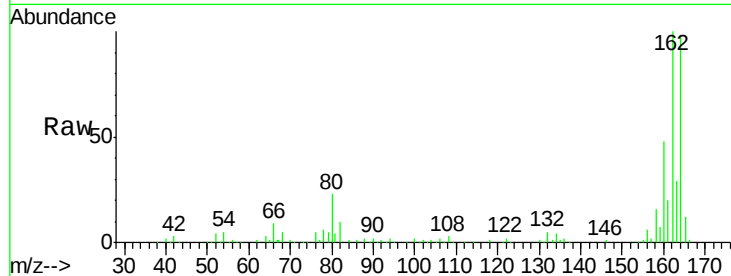
Tot Ion:164 Resp: 167138

Ion Ratio Lower Upper

164 100

162 102.1 82.6 123.8

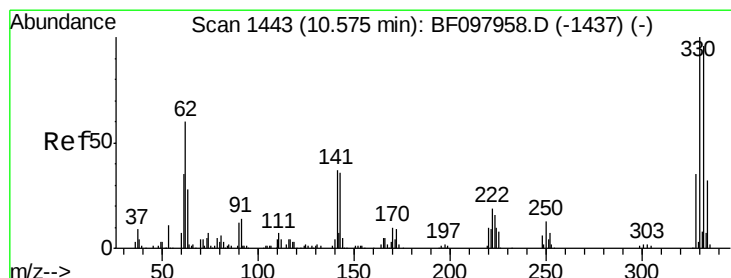
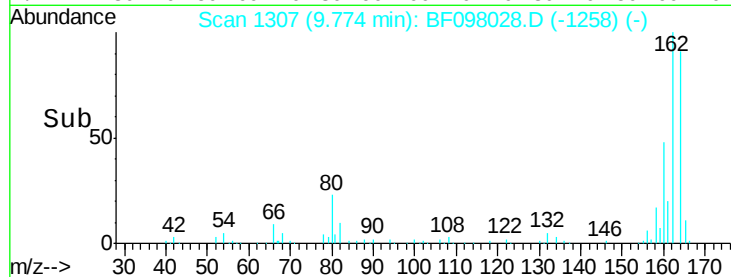
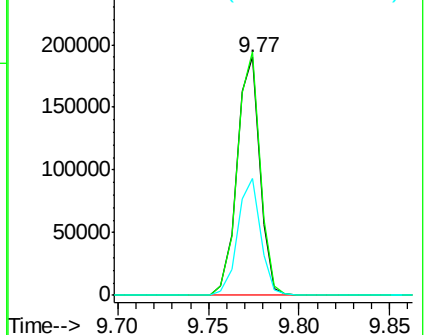
160 49.0 36.2 54.2



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: 125.98 ng

RT: 10.56 min Scan# 1441

Delta R.T. -0.01 min

Lab File: BF098028.D

Acq: 25 Aug 2017 3:58

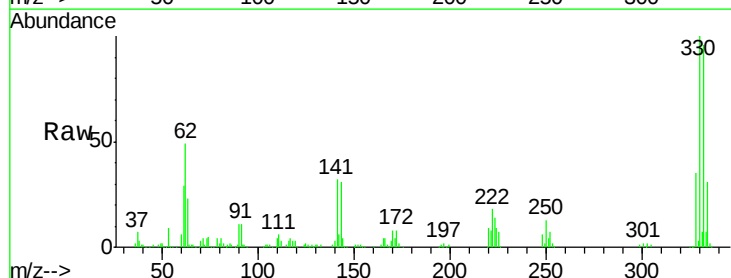
Tgt Ion:330 Resp: 182690

Ion Ratio Lower Upper

330 100

332 95.0 76.6 115.0

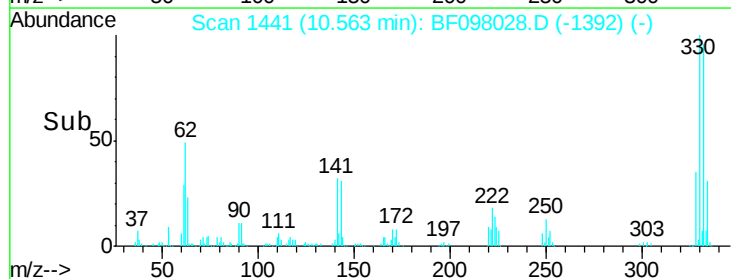
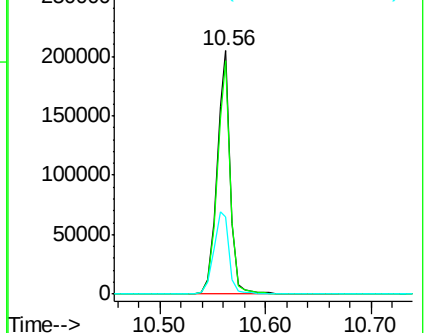
141 39.4 31.4 47.2

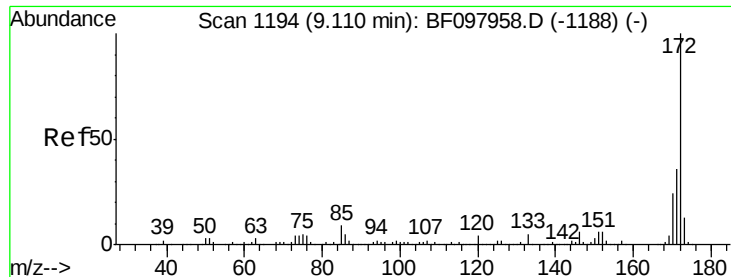


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

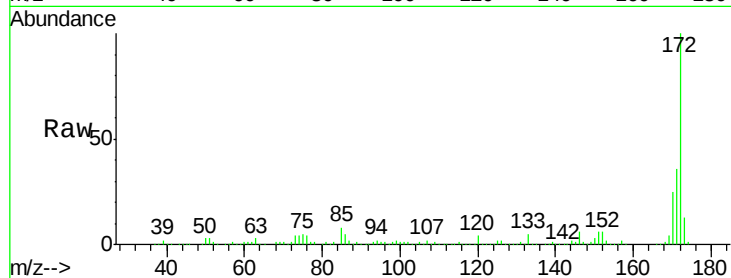




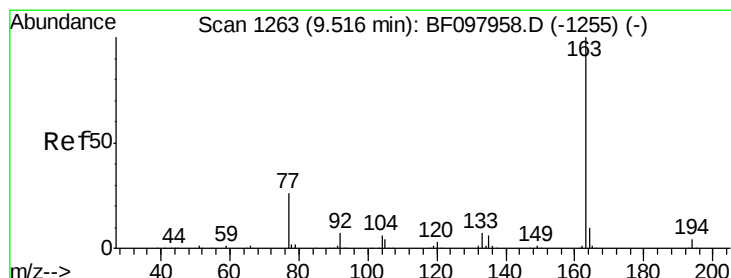
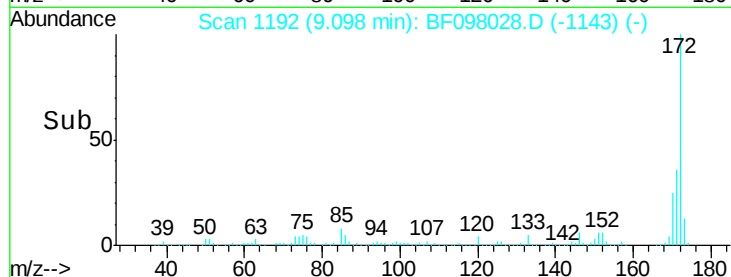
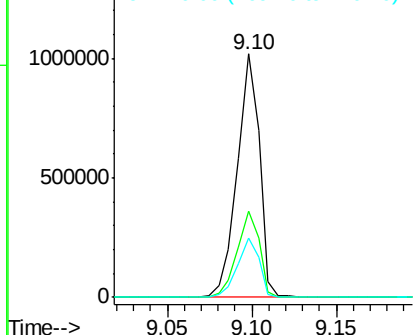
#44
2-Fluorobiphenyl
Concen: 82.14 ng
RT: 9.10 min Scan# 1192
Delta R.T. -0.01 min
Lab File: BF098028.D
Acq: 25 Aug 2017 3:58

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SB2-SOIL-0-6.0

Tot Ion:172 Resp: 934376
Ion Ratio Lower Upper
172 100
171 35.5 29.6 44.4
170 24.6 19.8 29.8

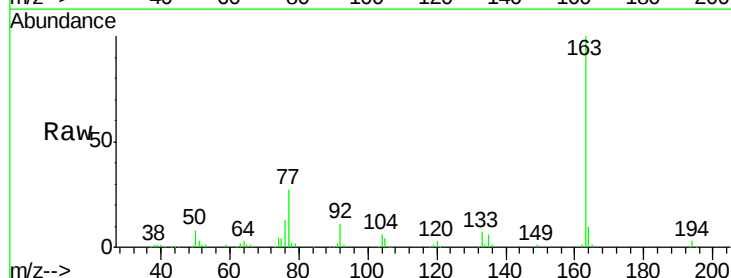


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

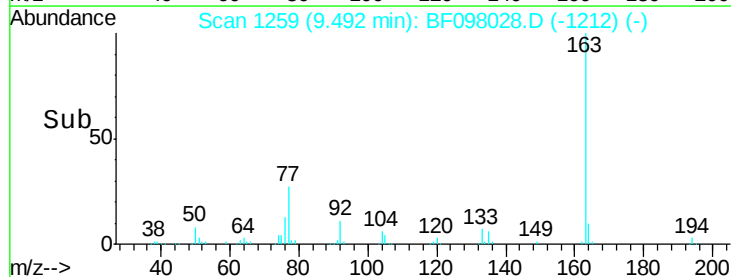
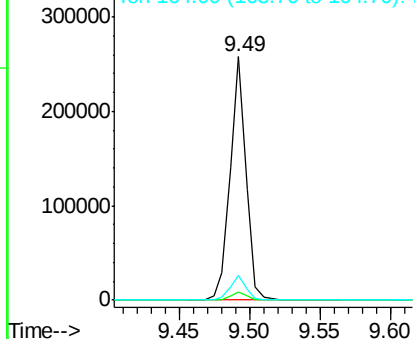


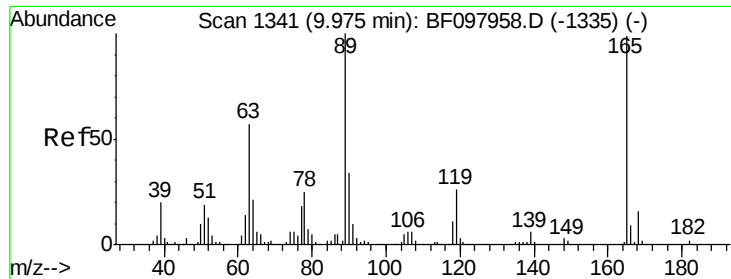
#49
Dimethylphthalate
Concen: 16.55 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.02 min
Lab File: BF098028.D
Acq: 25 Aug 2017 3:58

Tgt Ion:163 Resp: 202177
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 10.1 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

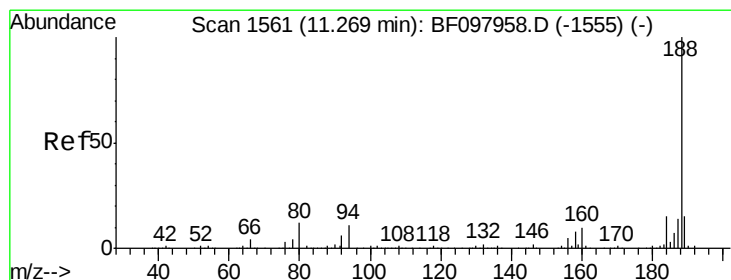
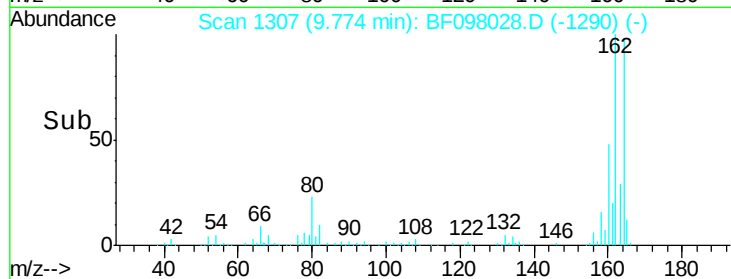
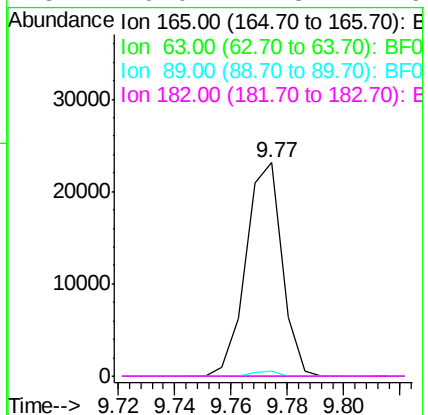
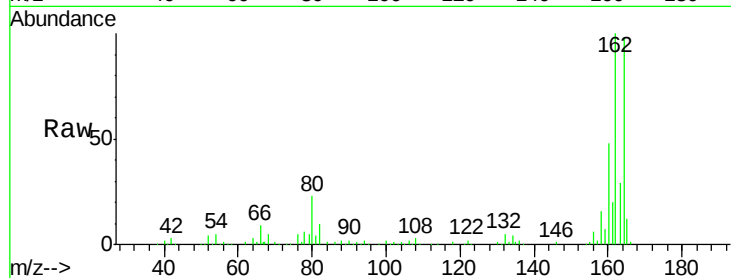




#56
 2,4-Dinitrotoluene
 Concen: 6.71 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.20 min
 Lab File: BF098028.D
 Acq: 25 Aug 2017 3:58

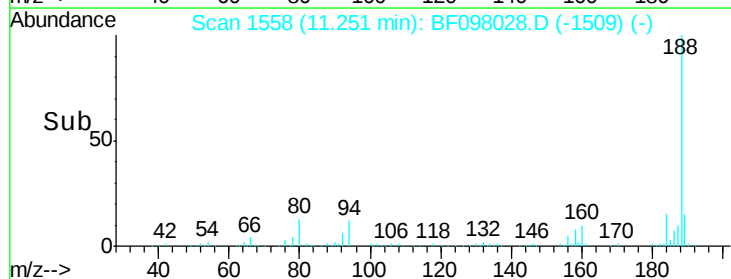
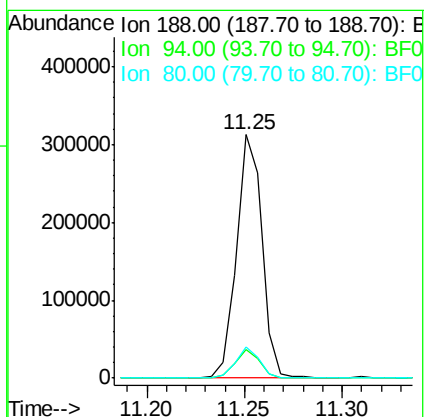
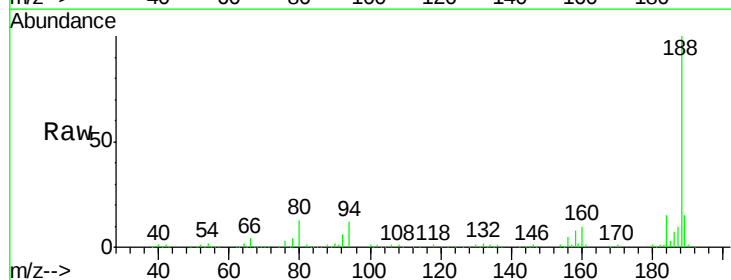
Instrument :
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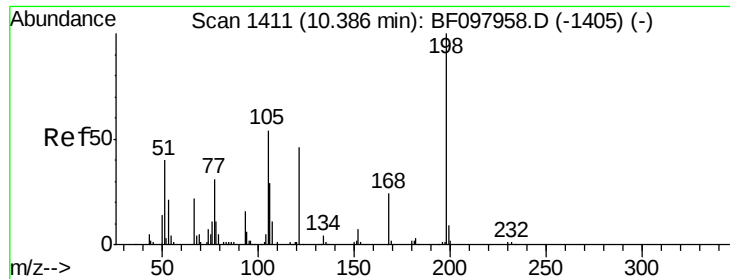
Tot Ion:165	Resp:	20537
Ion Ratio	Lower	Upper
165	100	
63	0.0	25.4 38.0#
89	2.4	46.4 69.6#
182	0.0	1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: BF098028.D
 Acq: 25 Aug 2017 3:58

Tgt Ion:188	Resp:	282989
Ion Ratio	Lower	Upper
188	100	
94	11.6	9.4 14.2
80	12.8	10.2 15.2

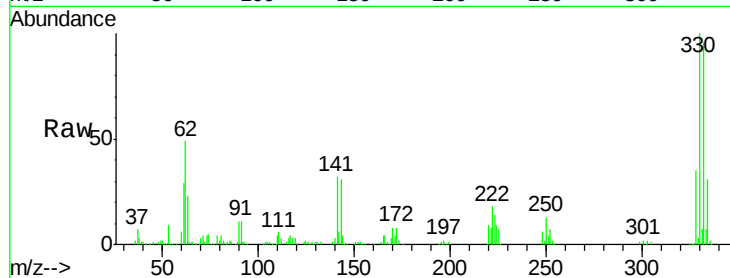




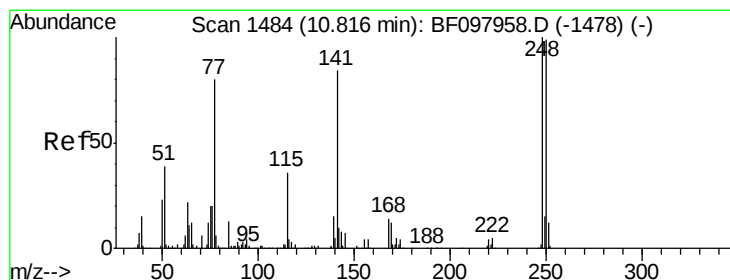
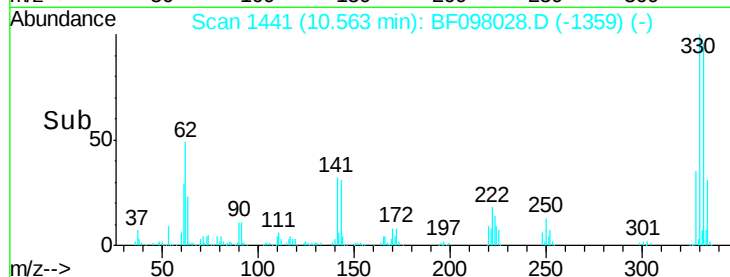
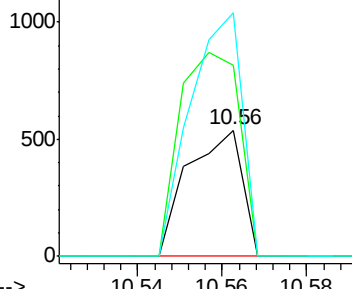
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.62 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. 0.18 min
 Lab File: BF098028.D
 Acq: 25 Aug 2017 3:58

Instrument :
 BNA_F
 ClientSampleId :
 SB2-SOIL-0-6.0

Tot Ion:198 Resp: 481
 Ion Ratio Lower Upper
 198 100
 51 151.3 53.2 93.2#
 105 193.1 45.8 85.8#

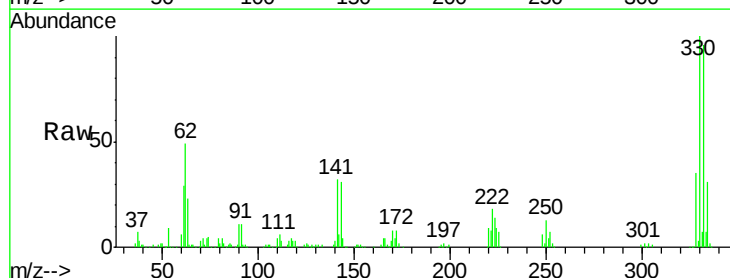


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

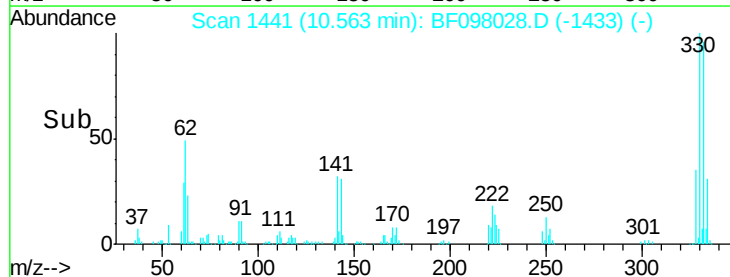
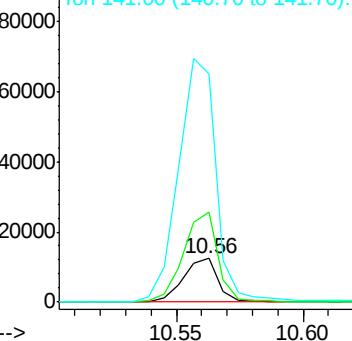


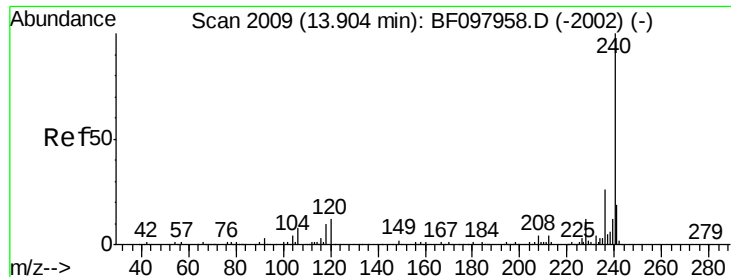
#66
 4-Bromophenyl-phenylether
 Concen: 3.99 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.25 min
 Lab File: BF098028.D
 Acq: 25 Aug 2017 3:58

Tgt Ion:248 Resp: 11730
 Ion Ratio Lower Upper
 248 100
 250 205.8 76.8 115.2#
 141 520.9 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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF098028.D

Acq: 25 Aug 2017 3:58

Instrument :

BNA_F

ClientSampleId :

SB2-SOIL-0-6.0

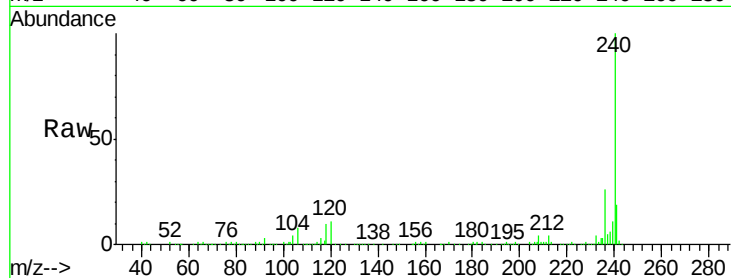
Tot Ion:240 Resp: 253475

Ion Ratio Lower Upper

240 100

120 11.4 5.8 8.8#

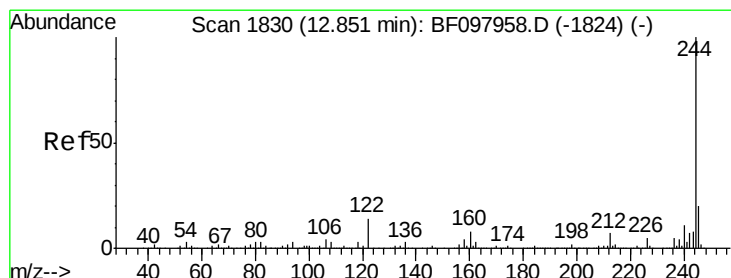
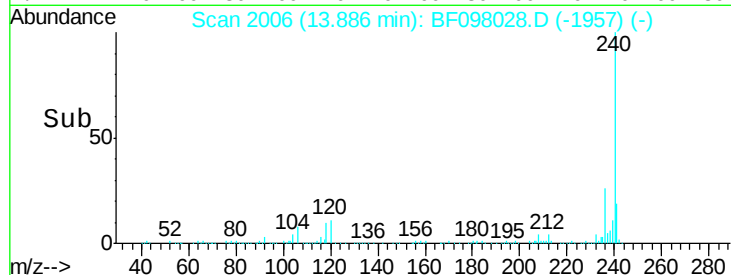
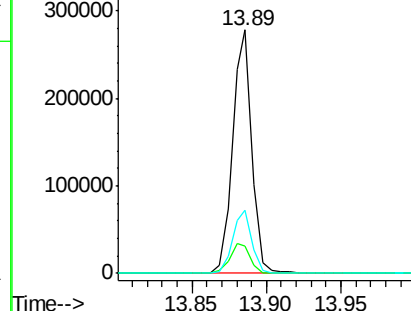
236 25.9 20.5 30.7



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



#78

Terphenyl-d14

Concen: 56.69 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF098028.D

Acq: 25 Aug 2017 3:58

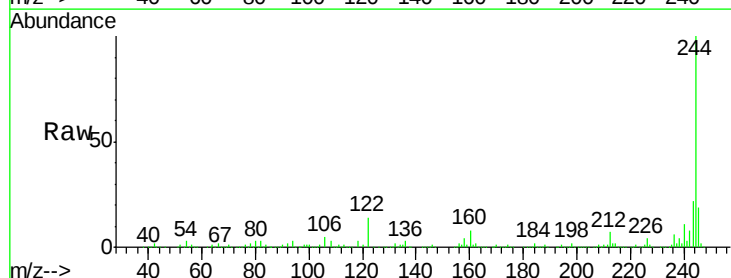
Tgt Ion:244 Resp: 689058

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

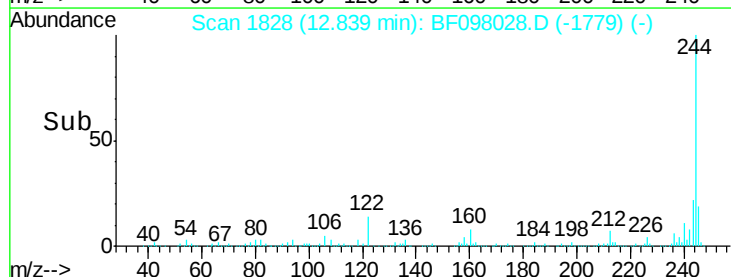
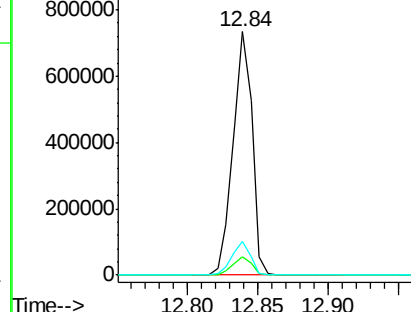
122 13.7 10.3 15.5

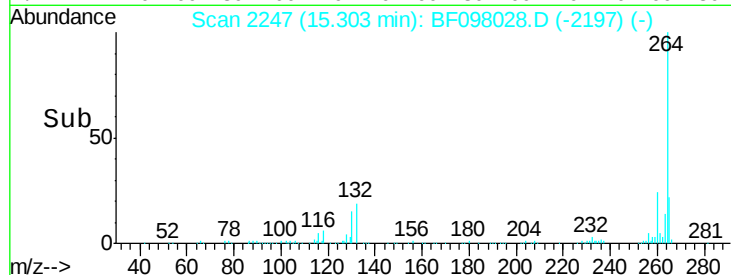
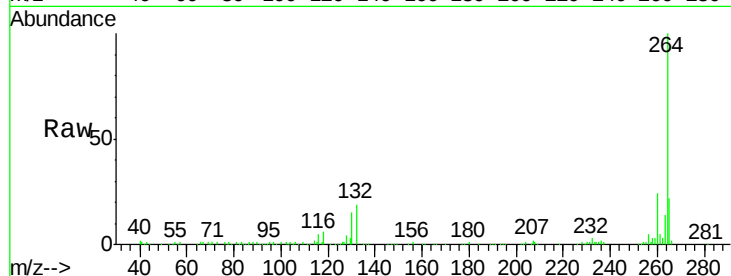
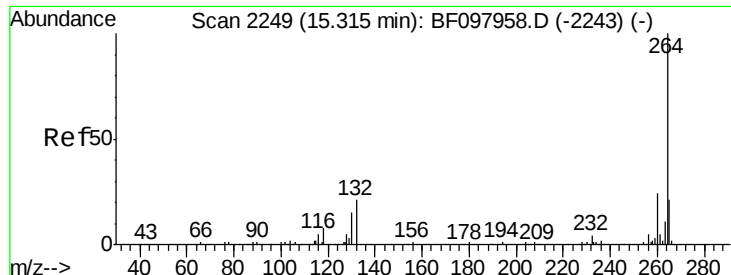


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 2247
Delta R.T. -0.01 min
Lab File: BF098028.D
Acq: 25 Aug 2017 3:58

Instrument :
BNA_F
ClientSampleId :
SB2-SOIL-0-6.0

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	21.6	17.2	25.8

