

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082417\
 Data File : BF098029.D
 Acq On : 25 Aug 2017 4:26
 Operator : SJ/JU
 Sample : I4934-02
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB5-SOIL-0-7.0

Quant Time: Aug 25 04:50:18 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

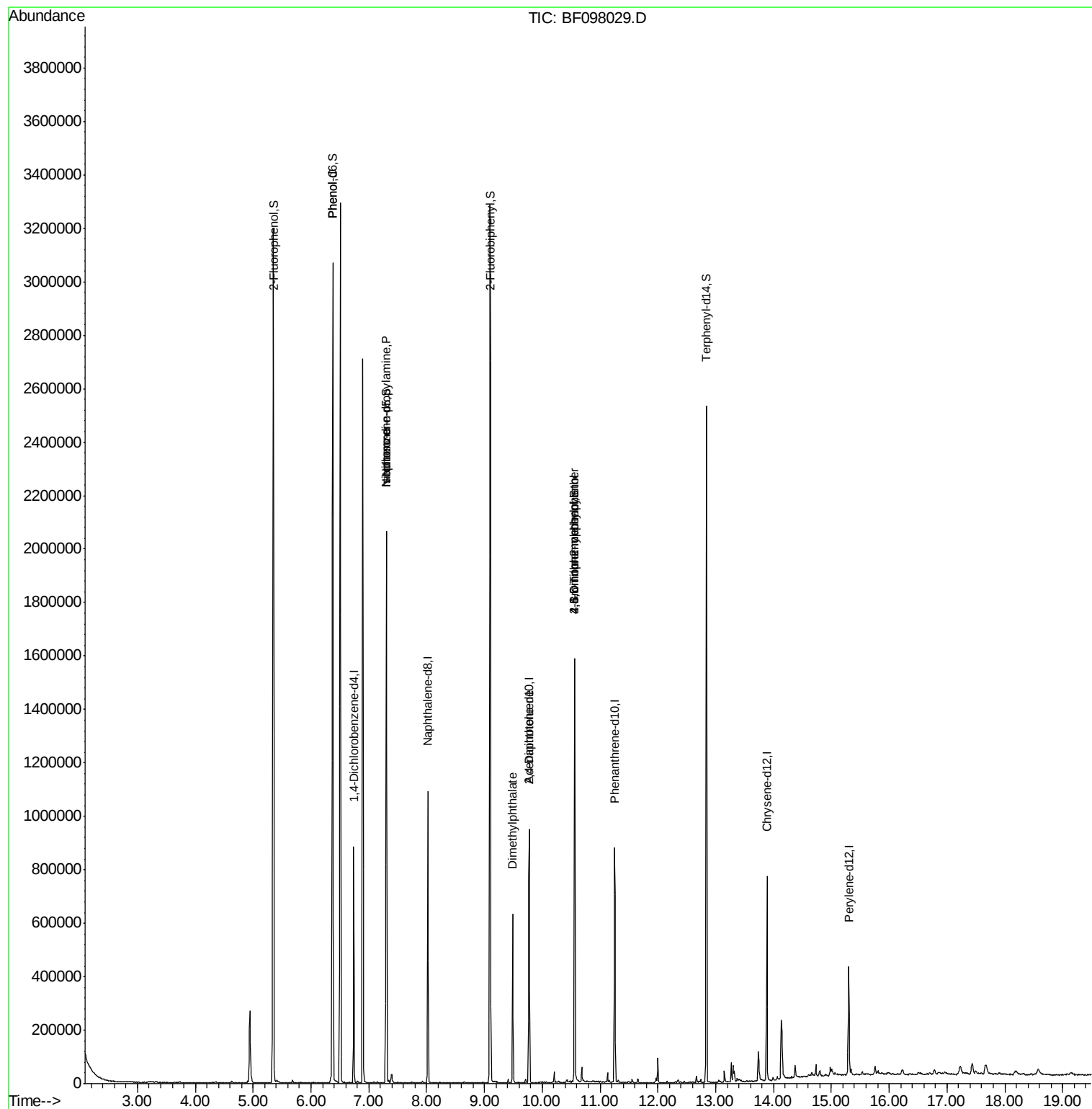
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	115545	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	435596	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	172853	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	297770	20.00	ng	-0.01
75) Chrysene-d12	13.89	240	258417	20.00	ng	-0.01
86) Perylene-d12	15.30	264	186321	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	1010089	132.97	ng	0.00
7) Phenol-d6	6.38	99	1362436	132.00	ng	0.00
23) Nitrobenzene-d5	7.30	82	812745	101.36	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	193023	128.70	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	1103662	93.81	ng	-0.01
78) Terphenyl-d14	12.84	244	814799	65.75	ng	-0.01
Target Compounds						
10) Phenol	6.39	94	31985	2.65	ng	Qvalue 93
19) n-Nitroso-di-n-propylamine	7.30	70	108882	15.41	ng	# 70
25) Isophorone	7.30	82	802312	48.12	ng	# 67
49) Dimethylphthalate	9.49	163	211140	16.71	ng	98
56) 2,4-Dinitrotoluene	9.77	165	21324	6.74	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.56	198	519	8.63	ng	# 19
66) 4-Bromophenyl-phenylether	10.56	248	12894	4.17	ng	# 1

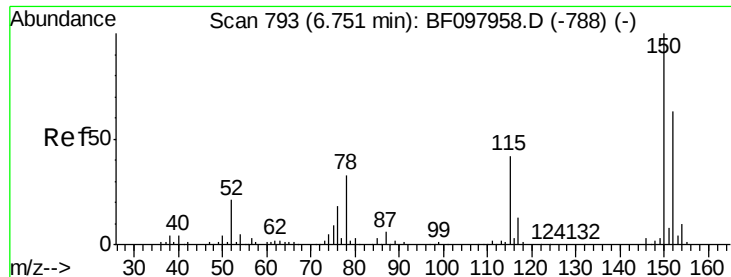
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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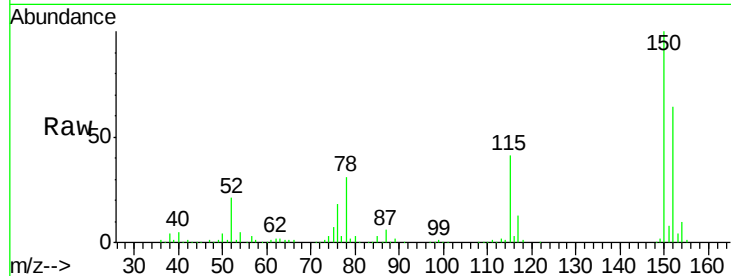


#1

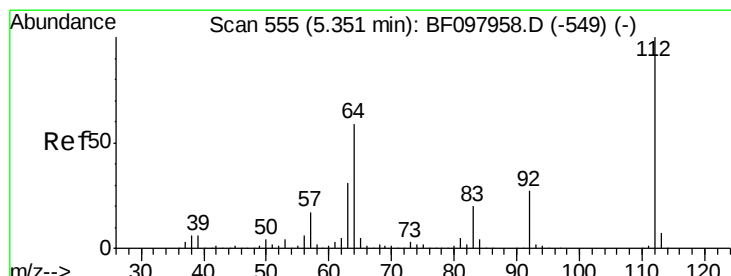
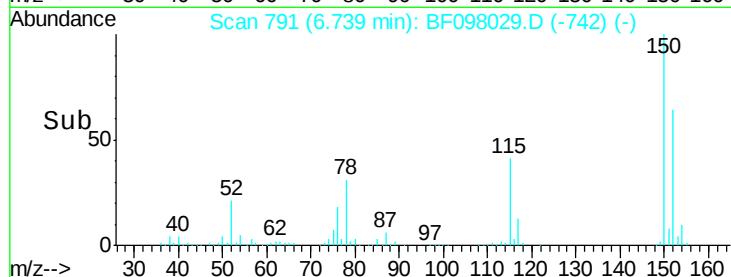
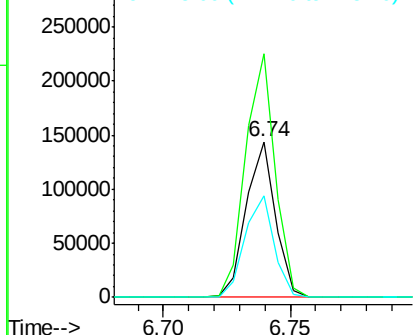
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF098029.D
Acq: 25 Aug 2017 4:26

Instrument :
BNA_F
ClientSampleId :
SB5-SOIL-0-7.0

Tot Ion:152 Resp: 115545
Ion Ratio Lower Upper
152 100
150 156.7 126.2 189.2
115 65.0 52.2 78.2



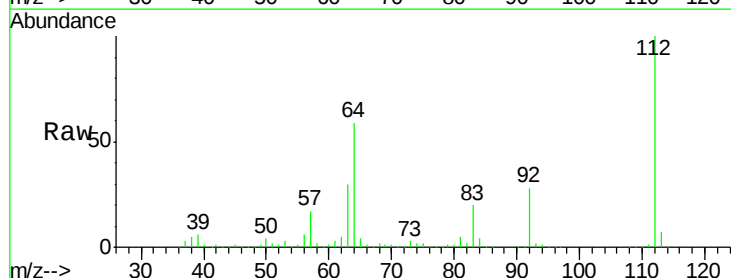
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



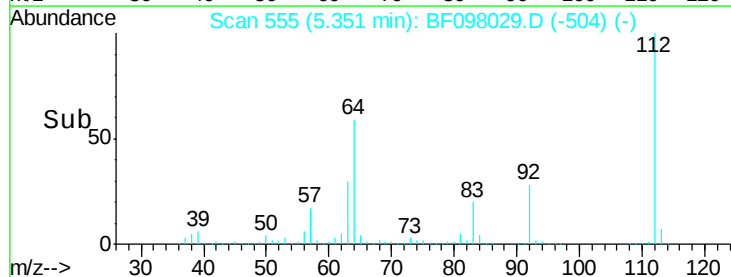
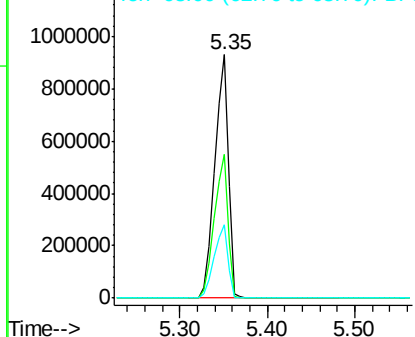
#5

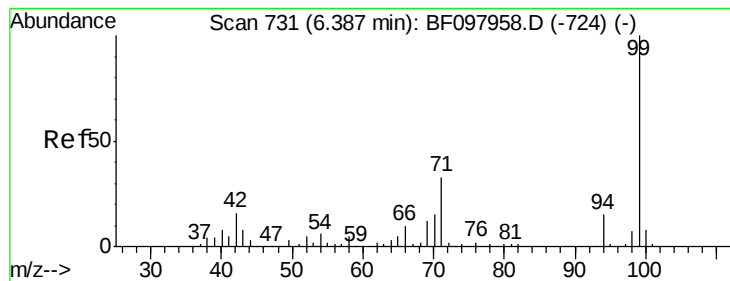
2-Fluorophenol
Concen: 132.97 ng
RT: 5.35 min Scan# 555
Delta R.T. -0.00 min
Lab File: BF098029.D
Acq: 25 Aug 2017 4:26

Tgt Ion:112 Resp: 1010089
Ion Ratio Lower Upper
112 100
64 59.0 46.0 69.0
63 30.2 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: 132.00 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF098029.D

Acq: 25 Aug 2017 4:26

Instrument :

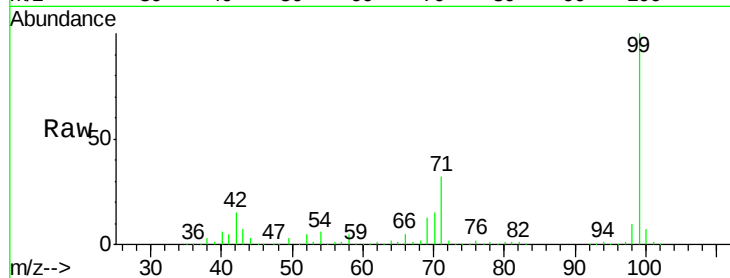
BNA_F

ClientSampleId :

SB5-SOIL-0-7.0

Tot Ion: 99 Resp: 1362436

Ion	Ratio	Lower	Upper
99	100		
42	14.8	13.5	20.3
71	32.3	24.5	36.7

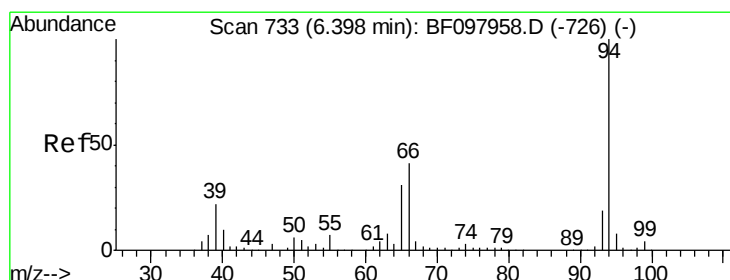
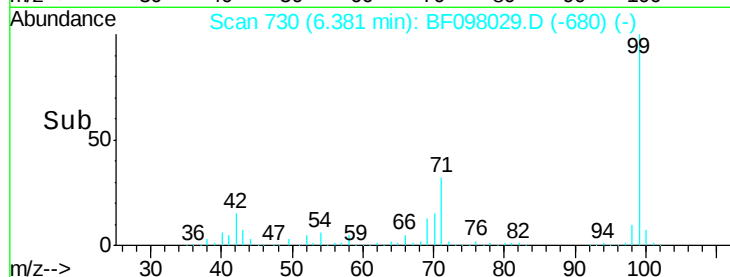


Abundance

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: 2.65 ng

RT: 6.39 min Scan# 731

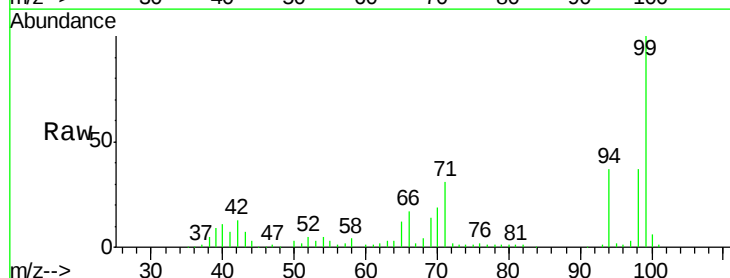
Delta R.T. -0.01 min

Lab File: BF098029.D

Acq: 25 Aug 2017 4:26

Tgt Ion: 94 Resp: 31985

Ion	Ratio	Lower	Upper
94	100		
65	33.6	9.9	49.9
66	47.3	23.1	63.1

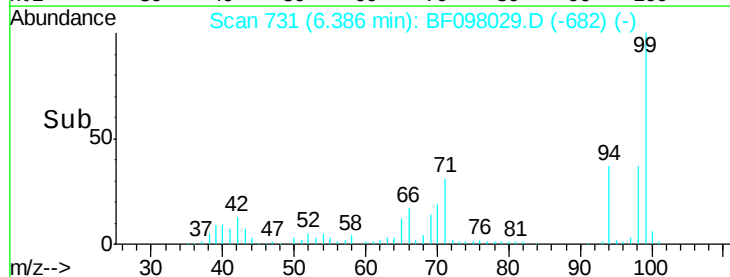


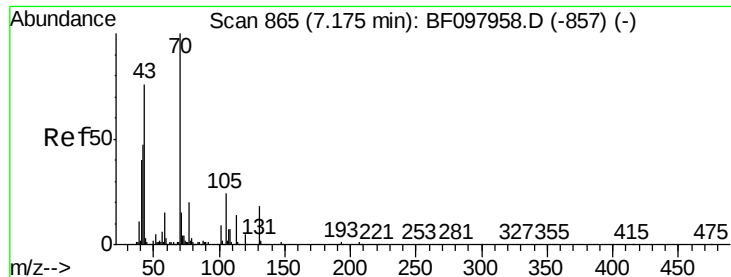
Abundance

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

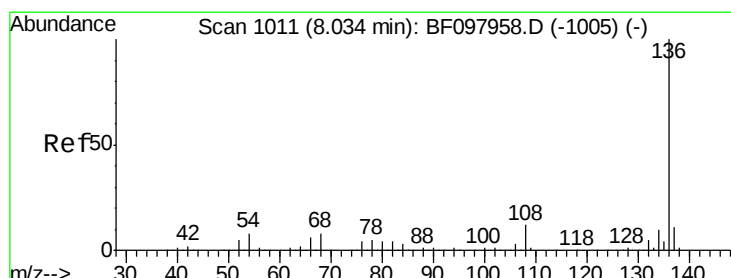
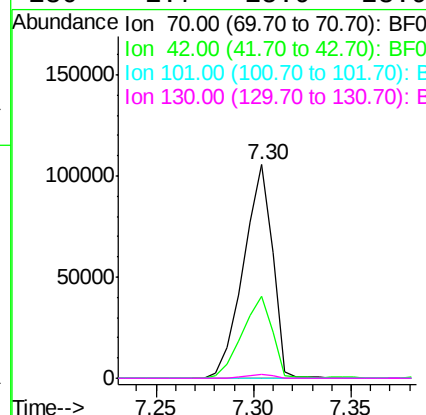
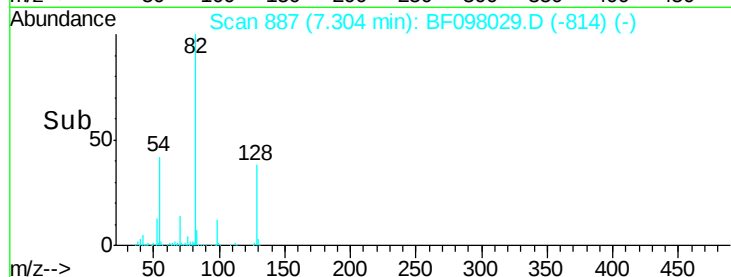
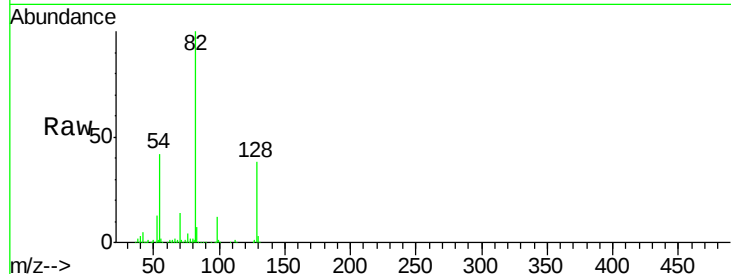




#19
n-Nitroso-di-n-propylamine
Concen: 15.41 ng
RT: 7.30 min Scan# 887
Delta R.T. 0.13 min
Lab File: BF098029.D
Acq: 25 Aug 2017 4:26

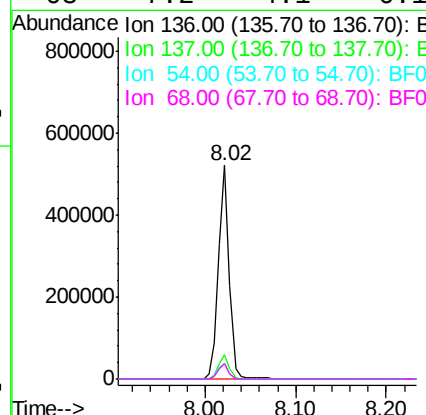
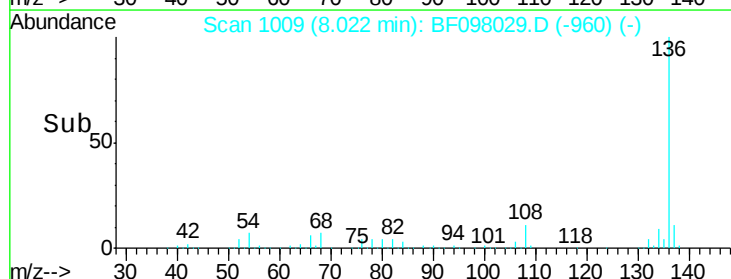
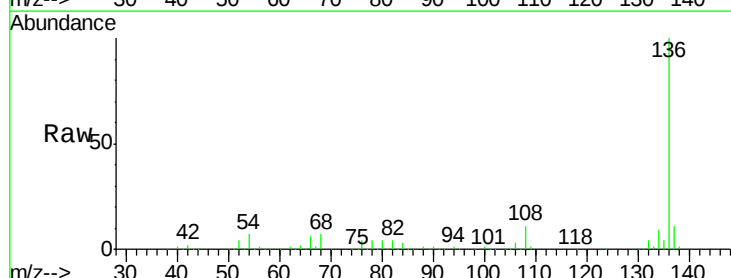
Instrument :
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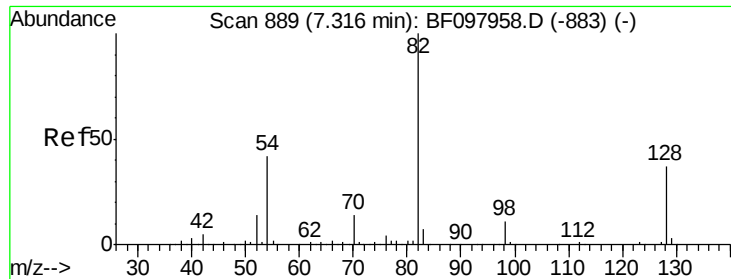
Tot Ion: 70 Resp: 108882
Ion Ratio Lower Upper
70 100
42 38.5 47.2 70.8#
101 0.0 7.2 10.8#
130 1.7 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF098029.D
Acq: 25 Aug 2017 4:26

Tgt Ion: 136 Resp: 435596
Ion Ratio Lower Upper
136 100
137 11.3 8.5 12.7
54 7.5 4.9 7.3#
68 7.2 4.1 6.1#

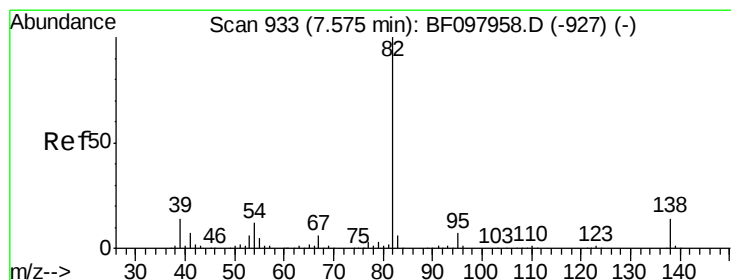
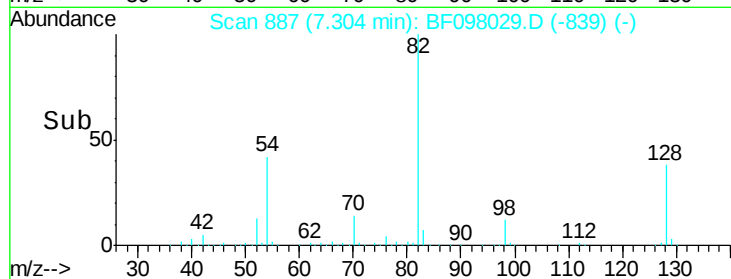
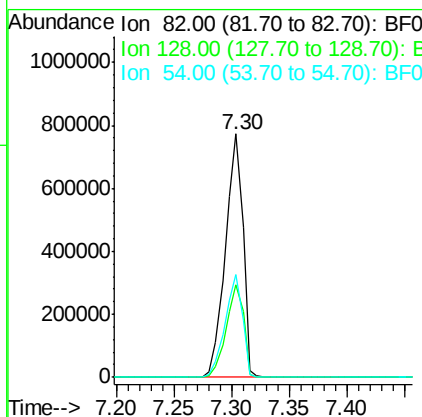
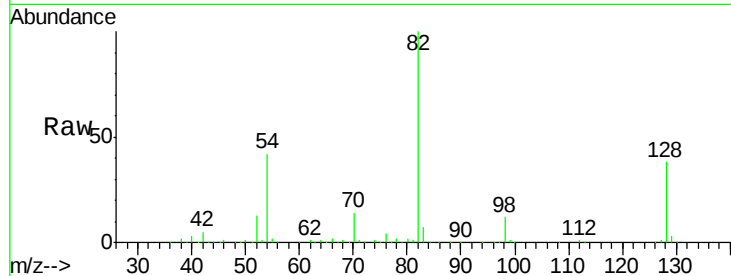




#23
 Nitrobenzene-d5
 Concen: 101.36 ng
 RT: 7.30 min Scan# 887
 Delta R.T. -0.02 min
 Lab File: BF098029.D
 Acq: 25 Aug 2017 4:26

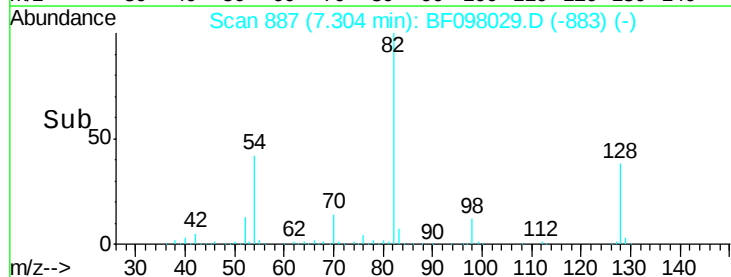
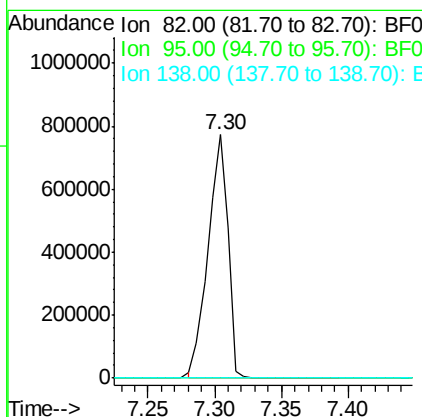
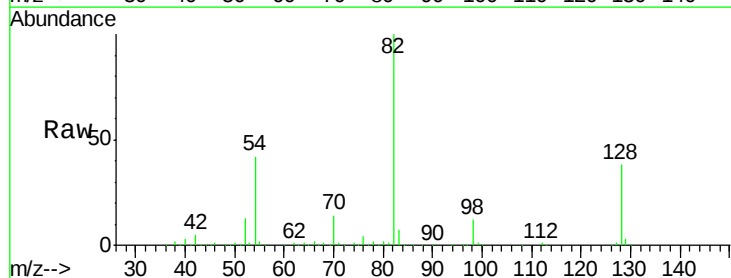
Instrument :
 BNA_F
 ClientSampleId :
 SB5-SOIL-0-7.0

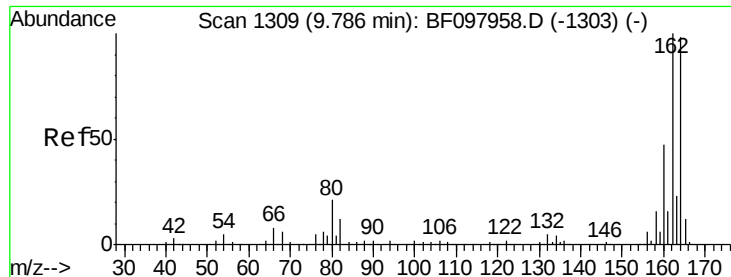
Tot Ion	82	Resp	812745
Ion Ratio	Lower	Upper	
82	100		
128	38.2	34.0	51.0
54	42.1	42.2	63.2#



#25
 Isophorone
 Concen: 48.12 ng
 RT: 7.30 min Scan# 887
 Delta R.T. -0.28 min
 Lab File: BF098029.D
 Acq: 25 Aug 2017 4:26

Tgt Ion	82	Resp	802312
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

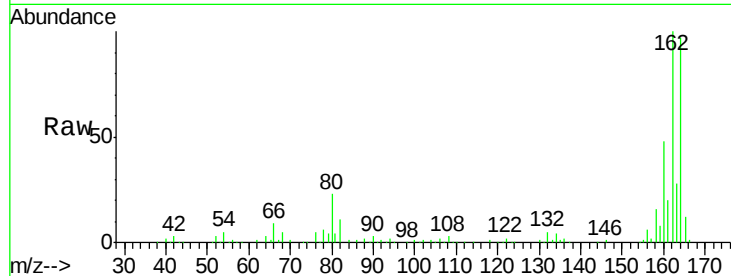




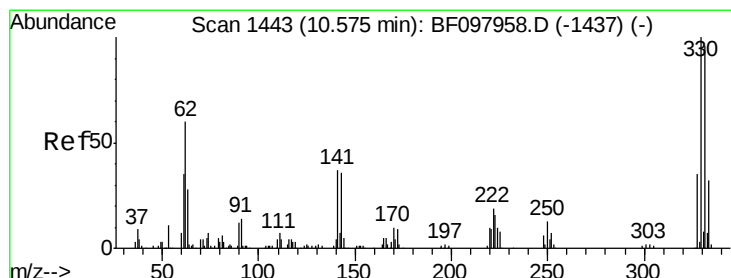
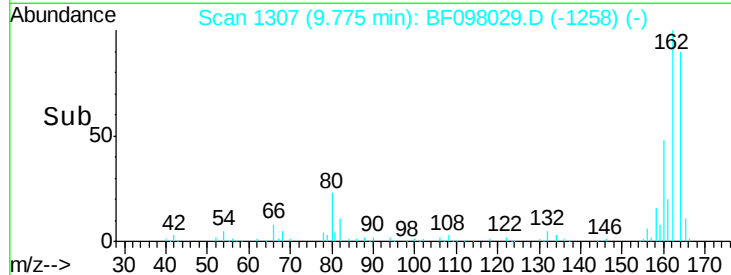
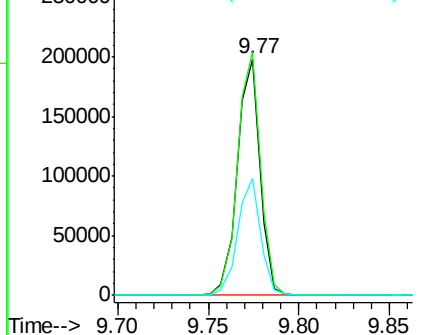
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: BF098029.D
 Acq: 25 Aug 2017 4:26

Instrument :
 BNA_F
 ClientSampleId :
 SB5-SOIL-0-7.0

Tot Ion:164 Resp: 172853
 Ion Ratio Lower Upper
 164 100
 162 102.9 82.6 123.8
 160 49.5 36.2 54.2

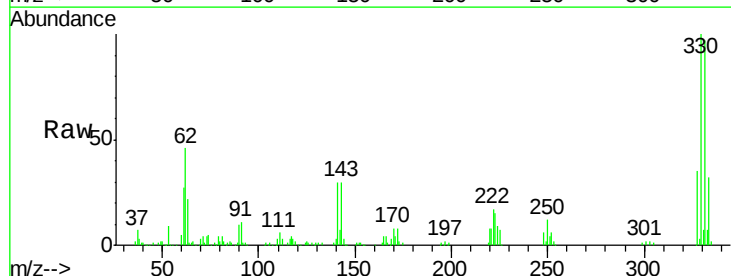


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

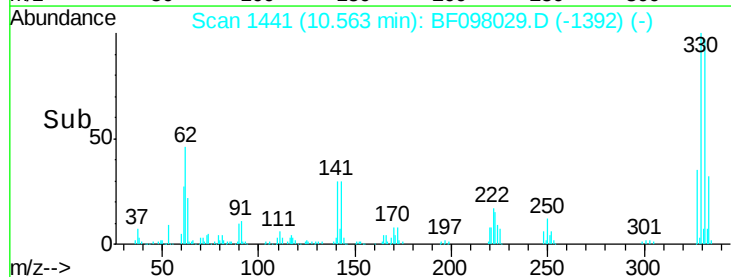
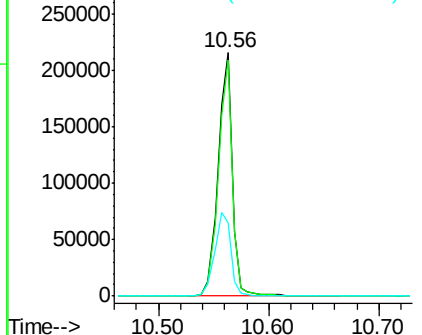


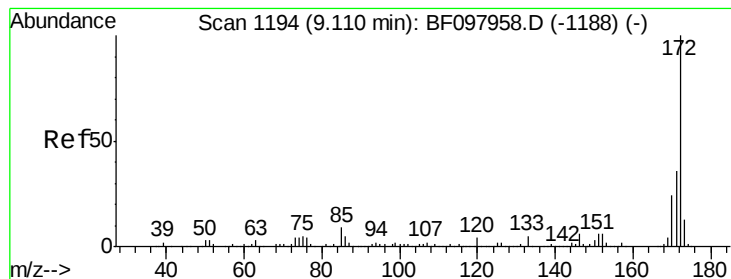
#41
 2,4,6-Tribromophenol
 Concen: 128.70 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF098029.D
 Acq: 25 Aug 2017 4:26

Tgt Ion:330 Resp: 193023
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.6 115.0
 141 38.7 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: 93.81 ng

RT: 9.10 min Scan# 1192

Delta R.T. -0.01 min

Lab File: BF098029.D

Acq: 25 Aug 2017 4:26

Instrument :

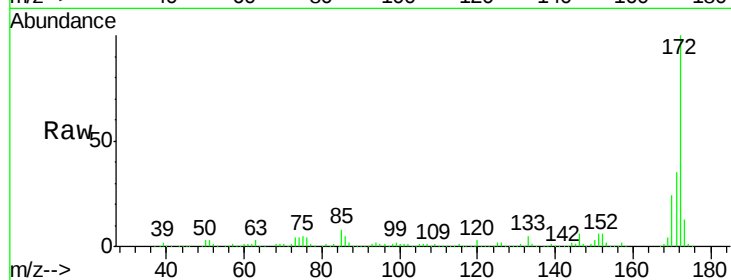
BNA_F

ClientSampleId :

SB5-SOIL-0-7.0

Tot Ion:172 Resp: 1103662

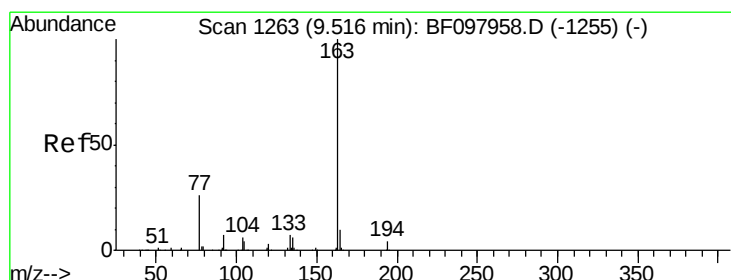
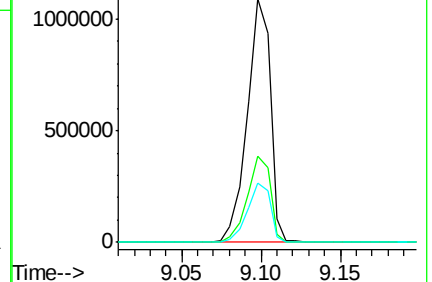
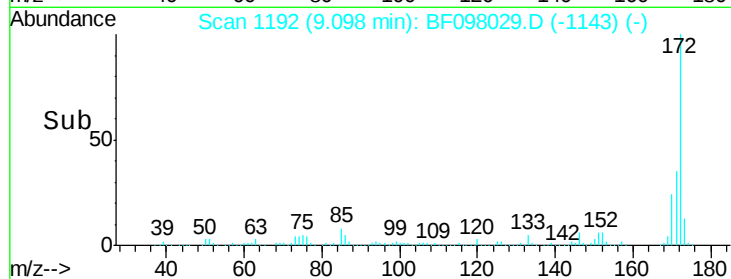
Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.6	44.4
170	24.3	19.8	29.8



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: 16.71 ng

RT: 9.49 min Scan# 1259

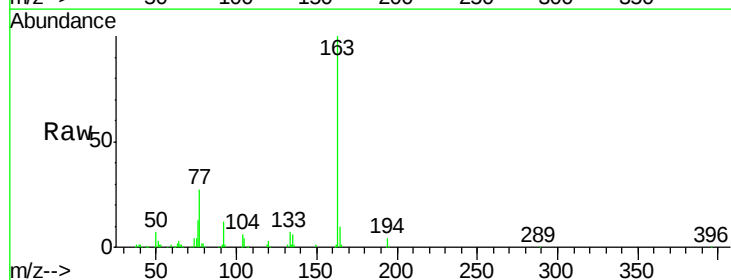
Delta R.T. -0.02 min

Lab File: BF098029.D

Acq: 25 Aug 2017 4:26

Tgt Ion:163 Resp: 211140

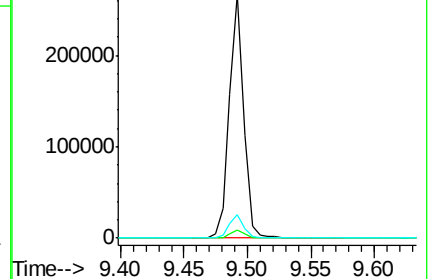
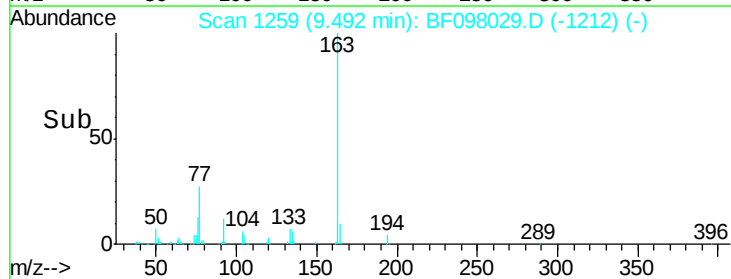
Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	9.7	8.4	12.6

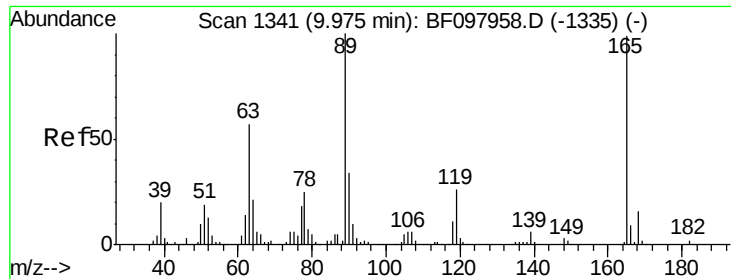


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

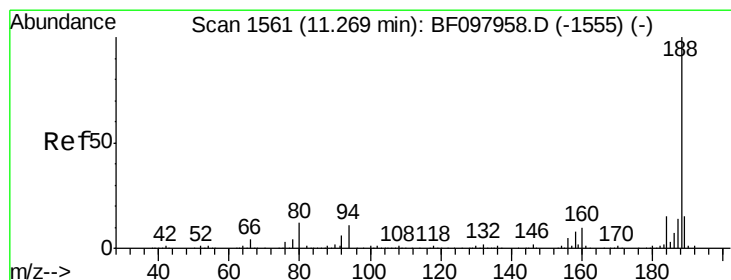
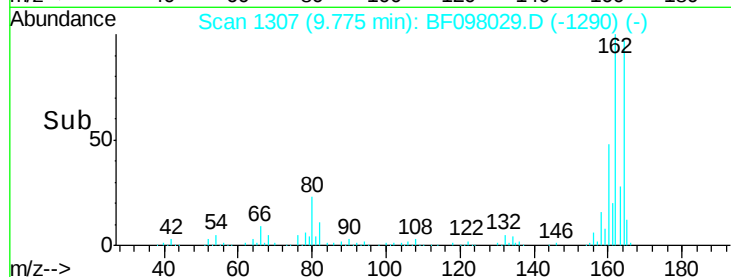
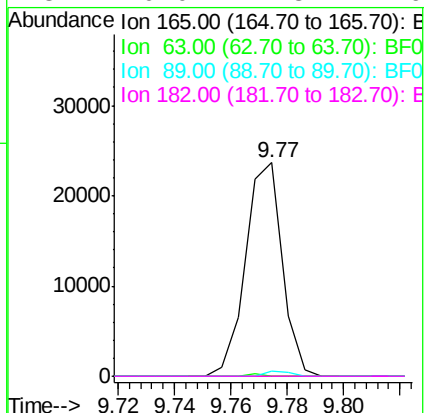
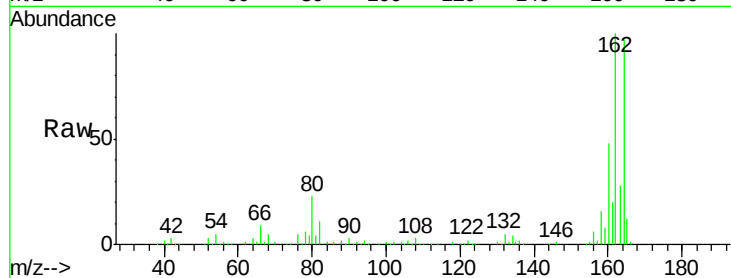




#56
 2,4-Dinitrotoluene
 Concen: 6.74 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.20 min
 Lab File: BF098029.D
 Acq: 25 Aug 2017 4:26

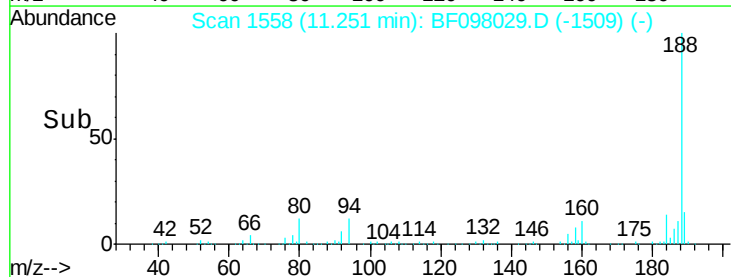
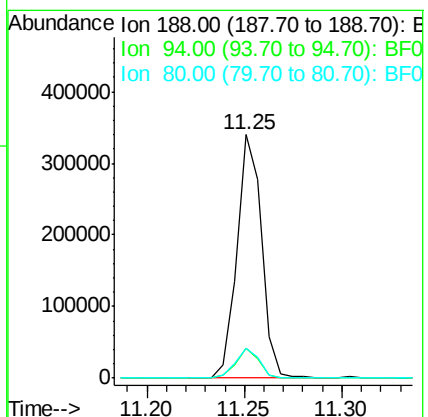
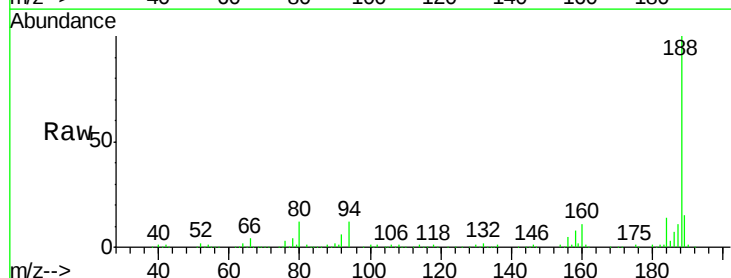
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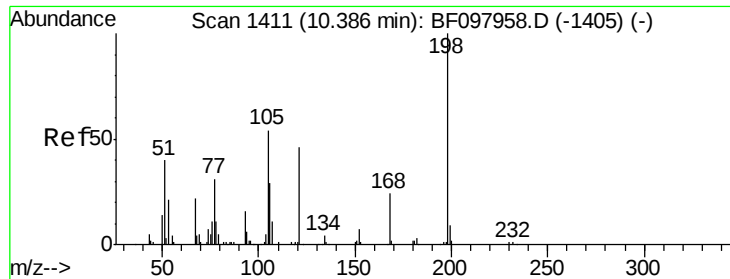
Tot Ion:165	Resp:	21324
Ion Ratio	Lower	Upper
165	100	
63	0.0	25.4 38.0#
89	2.1	46.4 69.6#
182	0.0	1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: BF098029.D
 Acq: 25 Aug 2017 4:26

Tgt Ion:188	Resp:	297770
Ion Ratio	Lower	Upper
188	100	
94	12.0	9.4 14.2
80	12.3	10.2 15.2





#64

4,6-Dinitro-2-methylphenol

Concen: 8.63 ng

RT: 10.56 min Scan# 1441

Delta R.T. 0.18 min

Lab File: BF098029.D

Acq: 25 Aug 2017 4:26

Instrument :

BNA_F

ClientSampleId :

SB5-SOIL-0-7.0

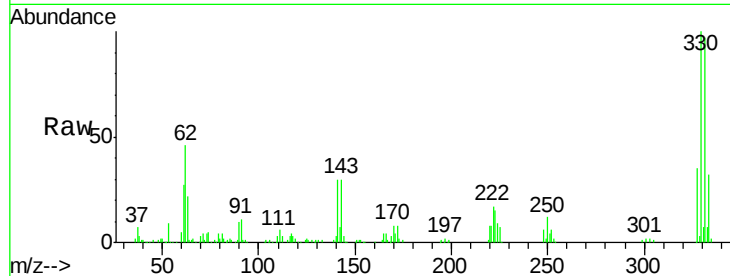
Tot Ion:198 Resp: 519

Ion Ratio Lower Upper

198 100

51 115.6 53.2 93.2#

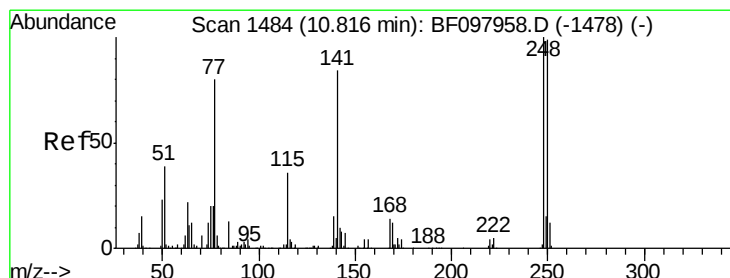
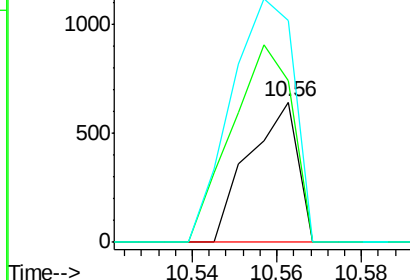
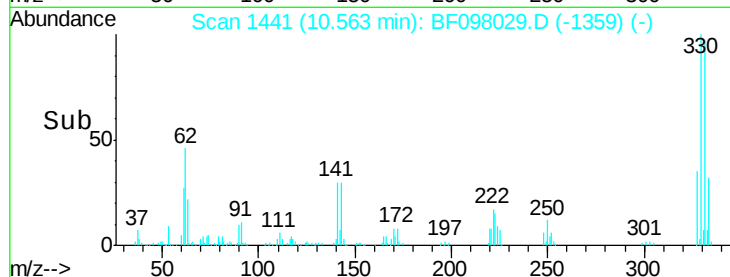
105 157.9 45.8 85.8#



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: 4.17 ng

RT: 10.56 min Scan# 1441

Delta R.T. -0.25 min

Lab File: BF098029.D

Acq: 25 Aug 2017 4:26

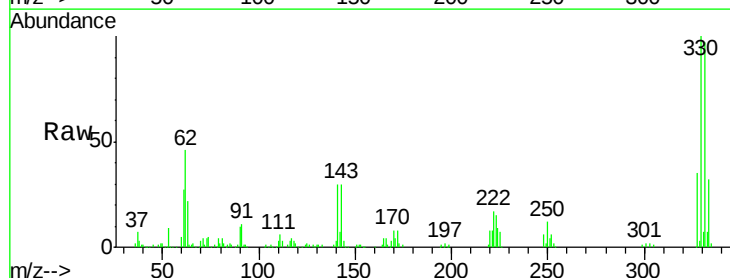
Tgt Ion:248 Resp: 12894

Ion Ratio Lower Upper

248 100

250 206.2 76.8 115.2#

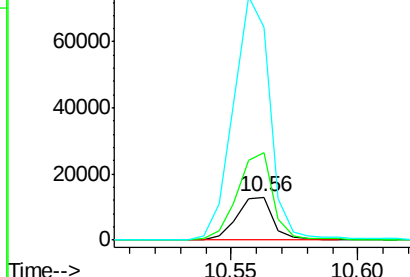
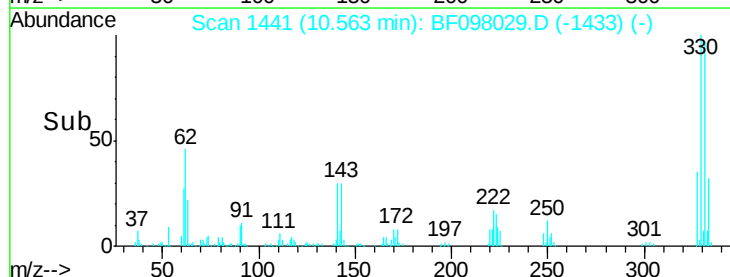
141 499.7 68.6 103.0#

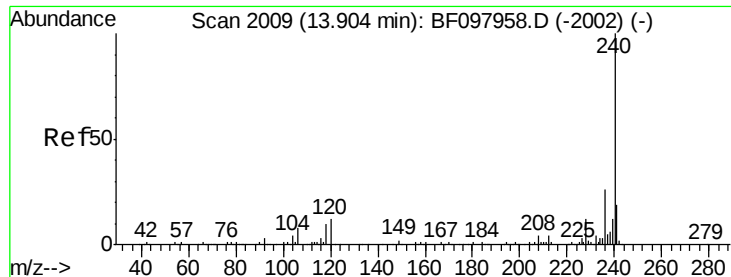


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF098029.D

Acq: 25 Aug 2017 4:26

Instrument :

BNA_F

ClientSampleId :

SB5-SOIL-0-7.0

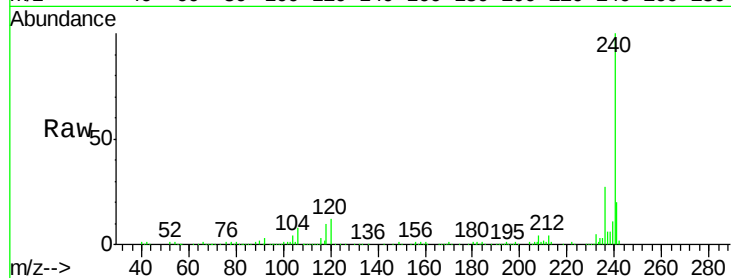
Tot Ion:240 Resp: 258417

Ion Ratio Lower Upper

240 100

120 12.0 5.8 8.8#

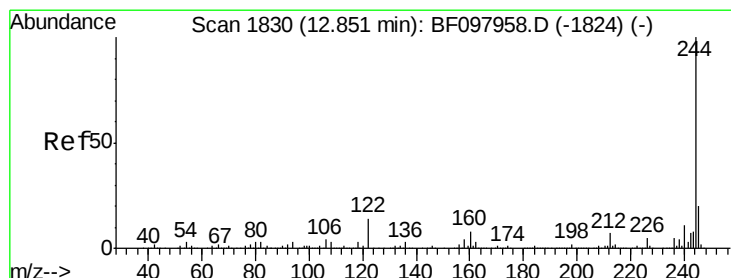
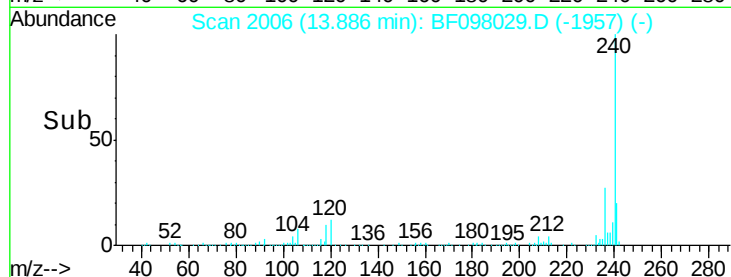
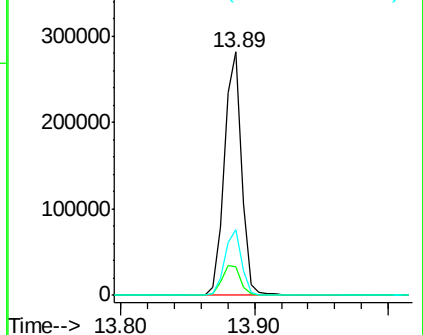
236 26.7 20.5 30.7



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: 65.75 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF098029.D

Acq: 25 Aug 2017 4:26

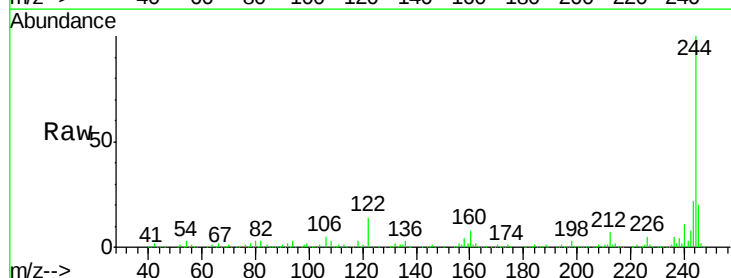
Tgt Ion:244 Resp: 814799

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

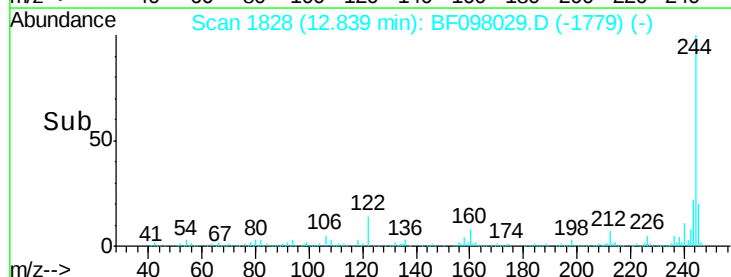
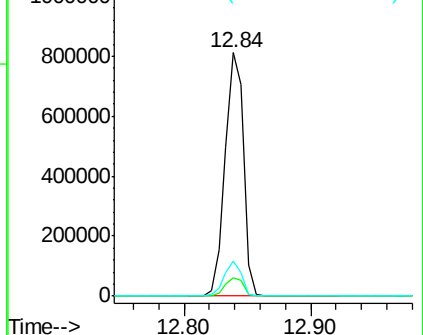
122 14.2 10.3 15.5

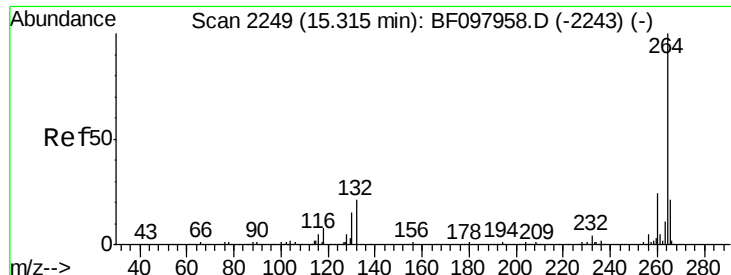


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF098029.D
Acq: 25 Aug 2017 4:26

Instrument :
BNA_F
ClientSampleId :
SB5-SOIL-0-7.0

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.3	17.2	25.8

