

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
 Data File : BF097697.D
 Acq On : 15 Aug 2017 18:06
 Operator : SJ/JU
 Sample : I4754-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-MATERIAL-COMP

Quant Time: Aug 16 03:52:34 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

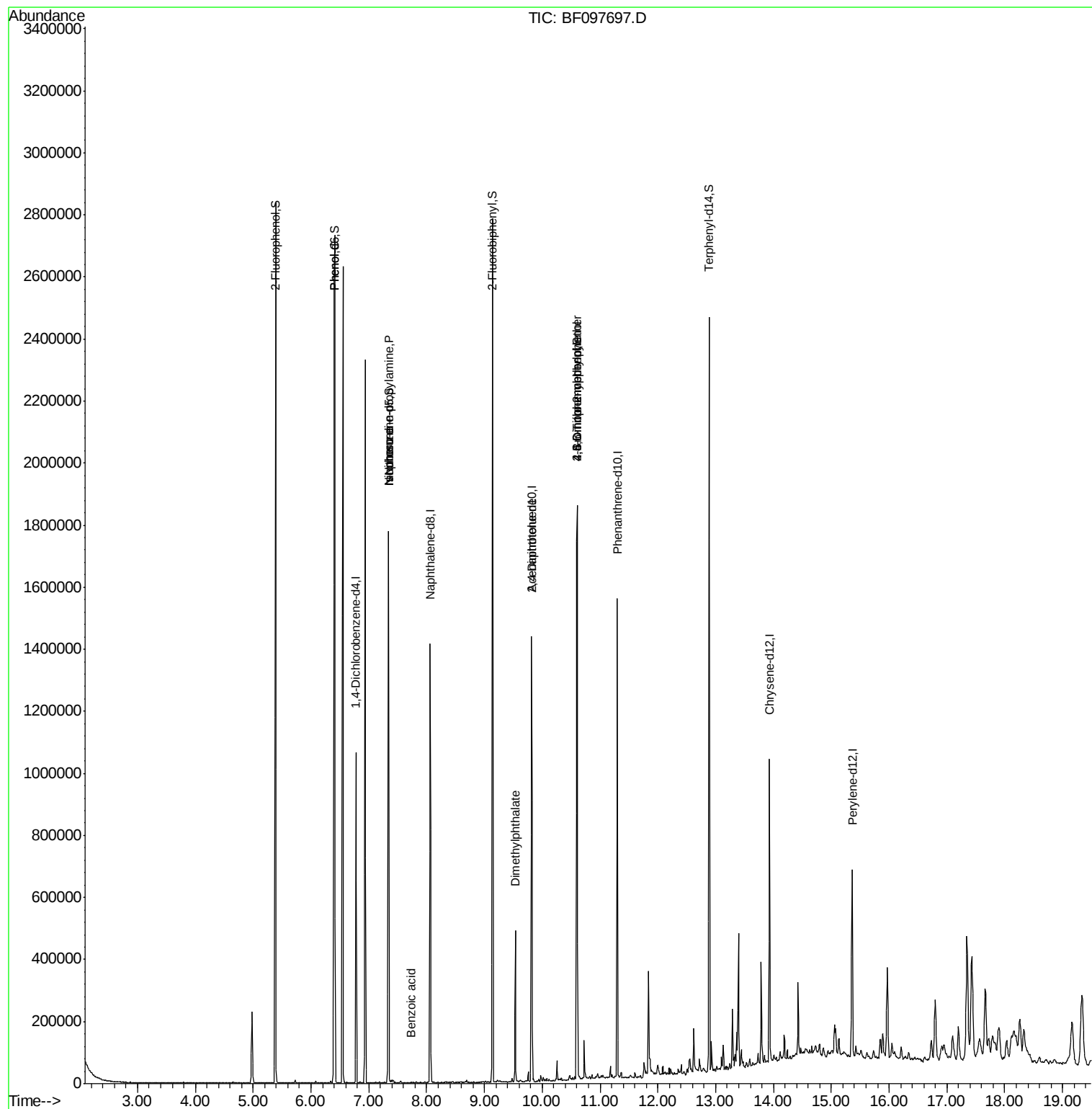
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	131467	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	541188	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	250219	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	497565	20.00	ng	0.00
75) Chrysene-d12	13.93	240	336333	20.00	ng	0.00
86) Perylene-d12	15.36	264	258654	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	776646	89.86	ng	0.00
7) Phenol-d6	6.41	99	1084713	92.37	ng	0.00
23) Nitrobenzene-d5	7.35	82	649069	65.15	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	207853	95.74	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	845586	49.65	ng	0.00
78) Terphenyl-d14	12.89	244	715690	44.37	ng	0.00
Target Compounds						
10) Phenol	6.42	94	37179	2.71	ng	Qvalue 97
19) n-Nitroso-di-n-propylamine	7.35	70	88913	11.06	ng	# 70
25) Isophorone	7.35	82	648840	31.32	ng	# 67
32) Benzoic acid	7.73	122	149	6.42	ng	# 88
49) Dimethylphthalate	9.53	163	152899	8.36	ng	99
56) 2,4-Dinitrotoluene	9.82	165	31359	6.84	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.60	198	536	8.51	ng	# 1
66) 4-Bromophenyl-phenylether	10.60	248	14251	2.76	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: 6.78 min Scan# 798

Delta R.T. -0.01 min

Lab File: BF097697.D

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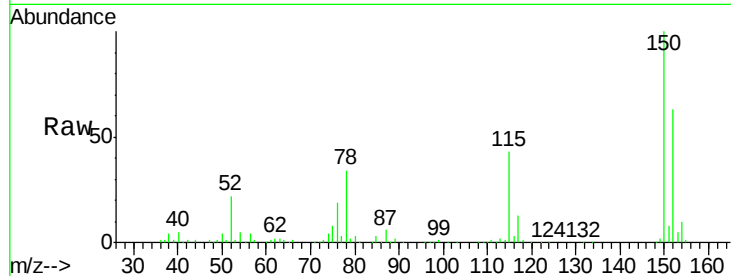
Tot Ion:152 Resp: 131467

Ion Ratio Lower Upper

152 100

150 158.9 126.2 189.2

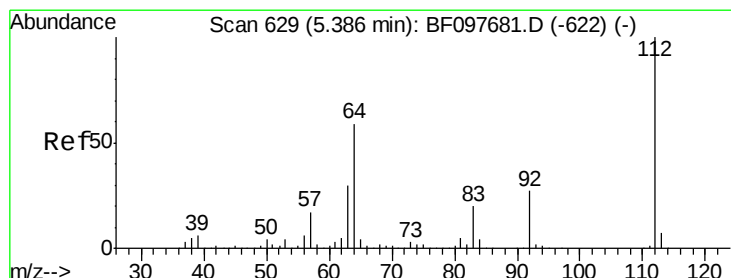
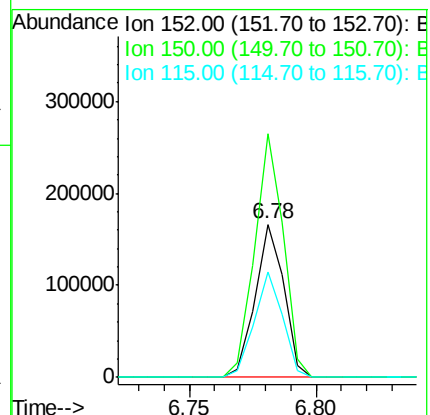
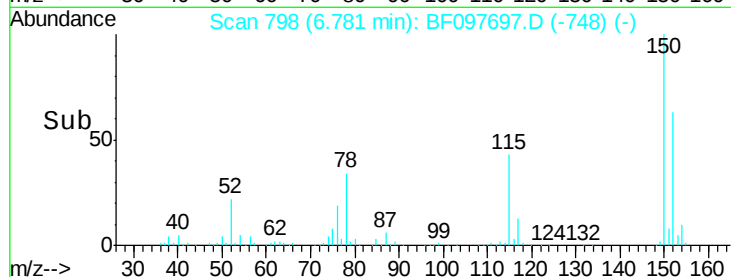
115 68.6 52.2 78.2



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: 89.86 ng

RT: 5.39 min Scan# 561

Delta R.T. 0.00 min

Lab File: BF097697.D

Acq: 15 Aug 2017 18:06

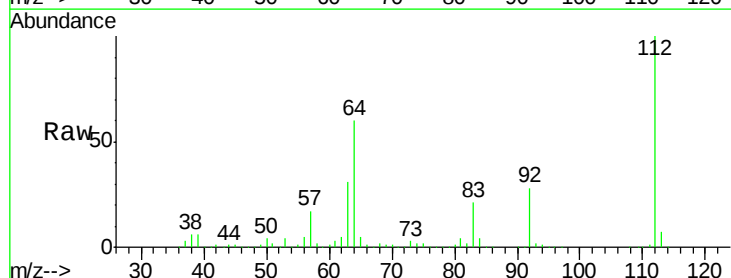
Tgt Ion:112 Resp: 776646

Ion Ratio Lower Upper

112 100

64 60.1 46.0 69.0

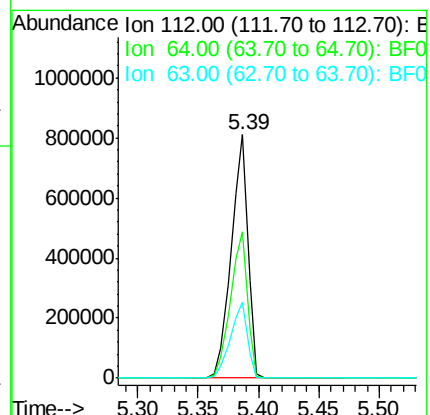
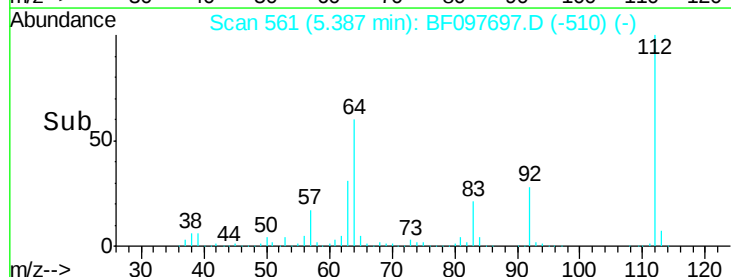
63 31.2 23.4 35.0

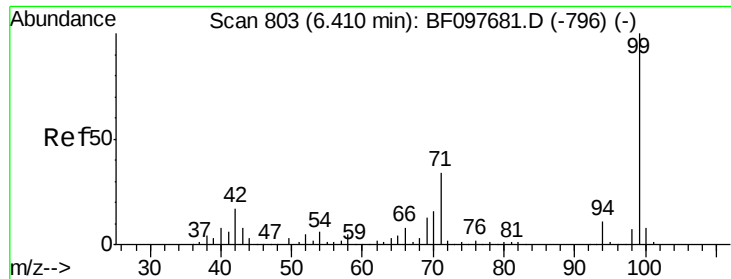


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 92.37 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF097697.D

Acq: 15 Aug 2017 18:06

Instrument :

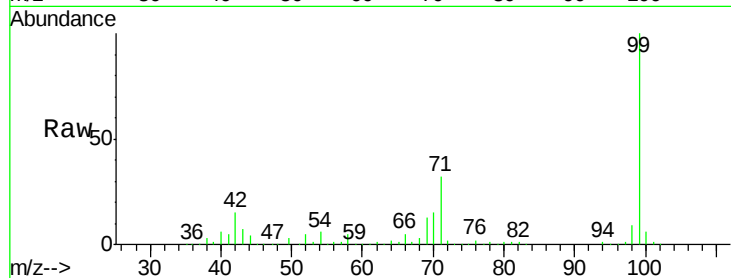
BNA_F

ClientSampleId :

TOPSOIL-MATERIAL-COMP

Tot Ion: 99 Resp: 1084713

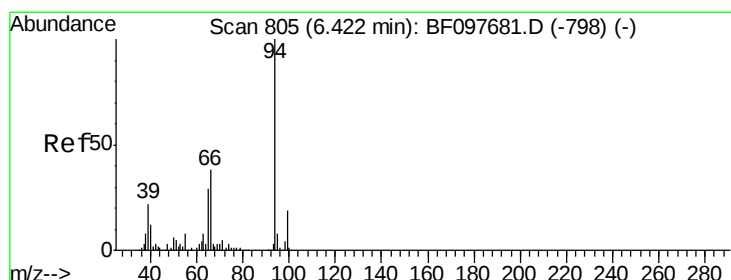
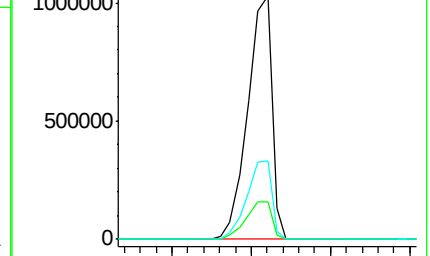
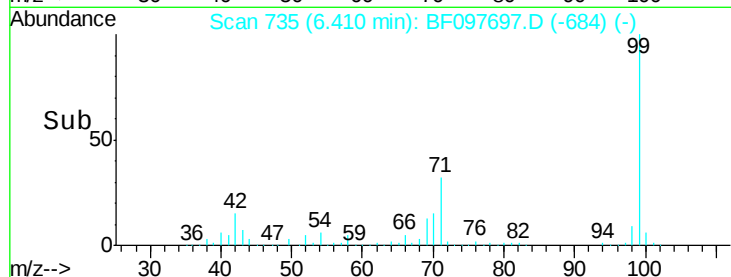
Ion	Ratio	Lower	Upper
99	100		
42	15.2	13.5	20.3
71	32.2	24.5	36.7



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: 2.71 ng

RT: 6.42 min Scan# 736

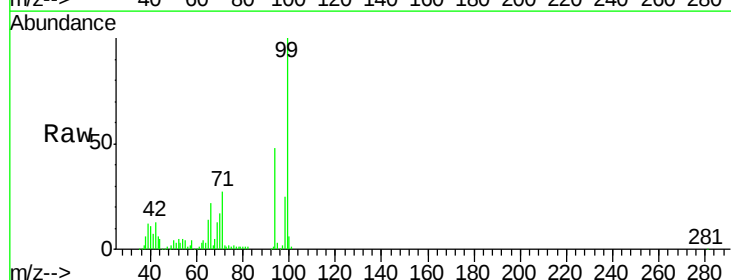
Delta R.T. -0.01 min

Lab File: BF097697.D

Acq: 15 Aug 2017 18:06

Tgt Ion: 94 Resp: 37179

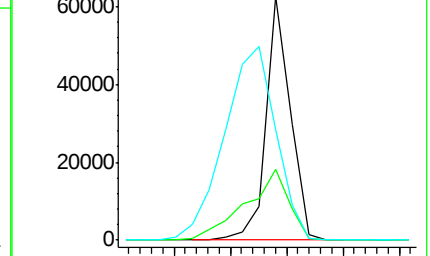
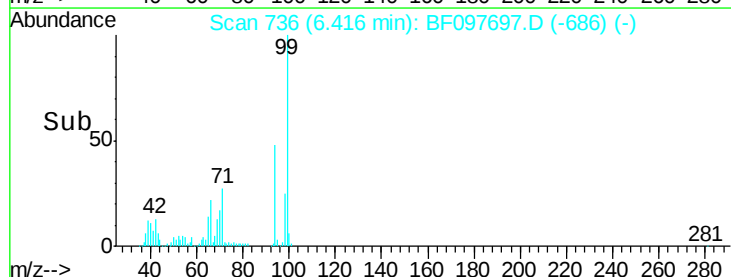
Ion	Ratio	Lower	Upper
94	100		
65	29.3	9.9	49.9
66	45.4	23.1	63.1

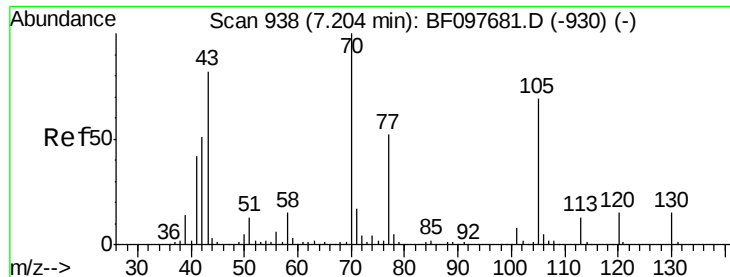


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

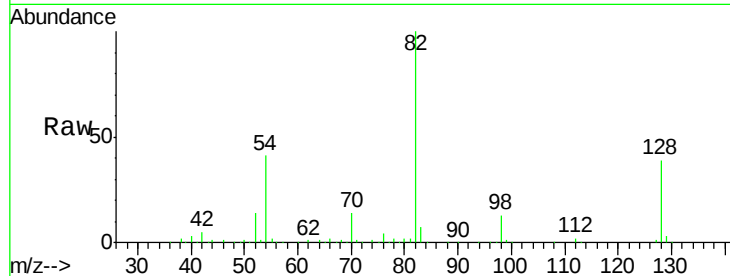




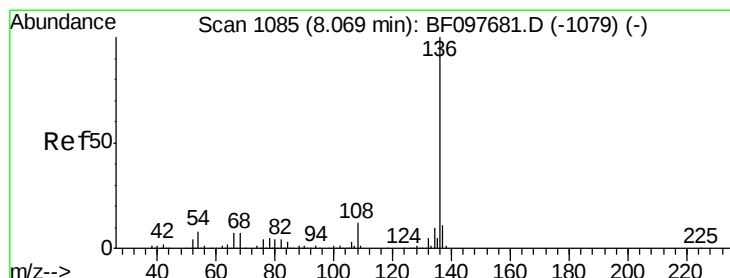
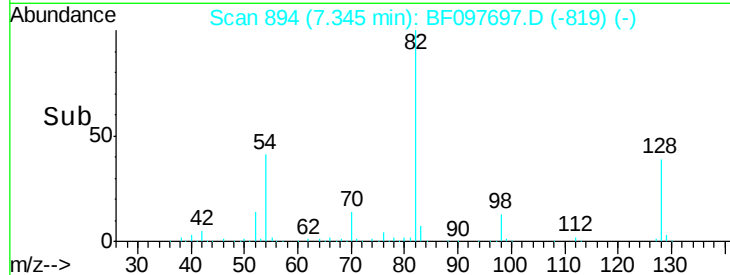
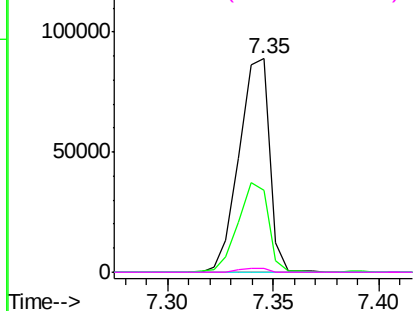
#19
n-Nitroso-di-n-propylamine
Concen: 11.06 ng
RT: 7.35 min Scan# 894
Delta R.T. 0.14 min
Lab File: BF097697.D
Acq: 15 Aug 2017 18:06

Instrument :
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Tot Ion: 70 Resp: 88913
Ion Ratio Lower Upper
70 100
42 38.6 47.2 70.8#
101 0.0 7.2 10.8#
130 1.7 15.9 23.9#

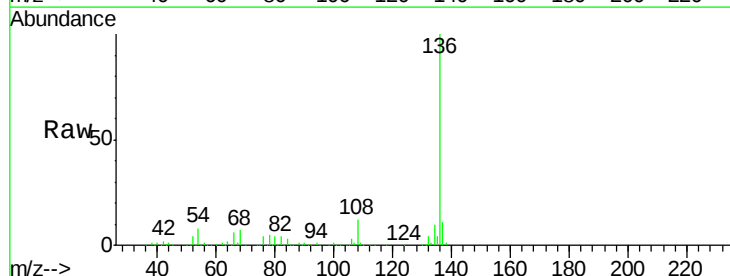


Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

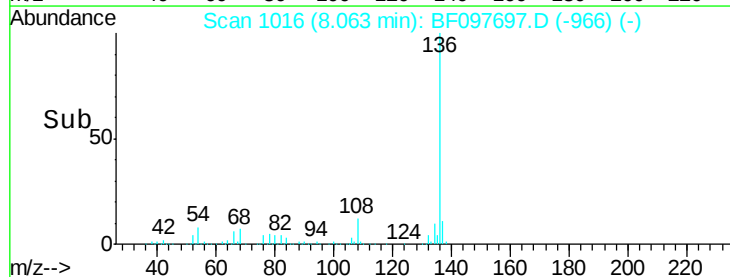
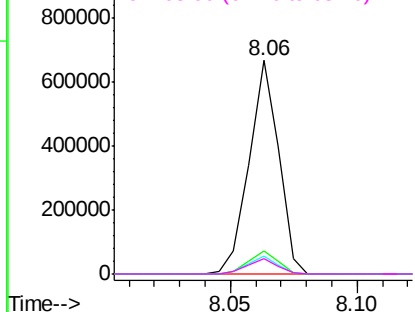


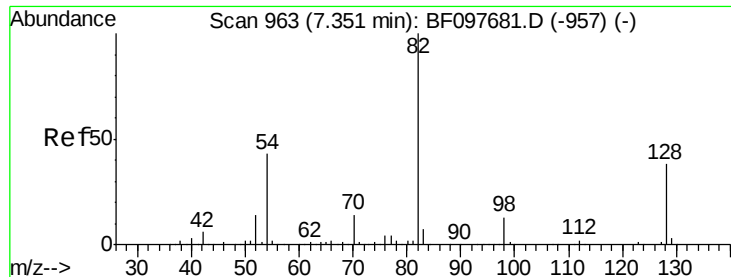
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BF097697.D
Acq: 15 Aug 2017 18:06

Tgt Ion:136 Resp: 541188
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 8.1 4.9 7.3#
68 7.1 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

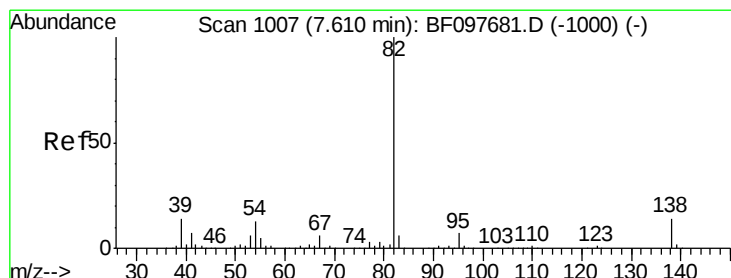
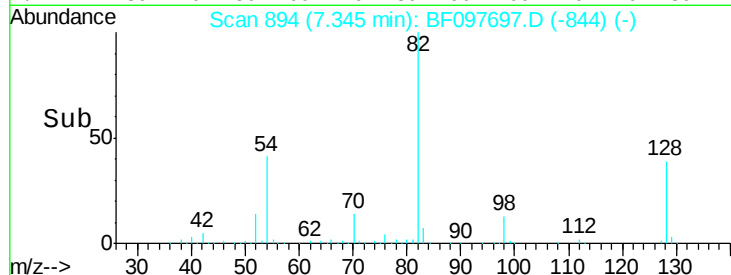
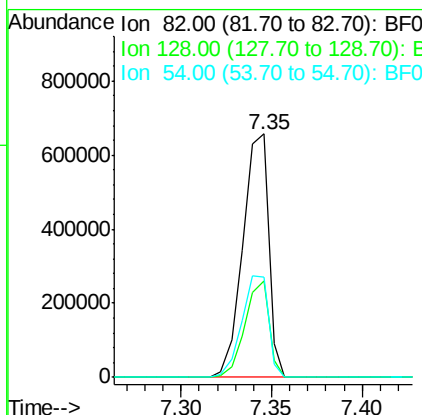
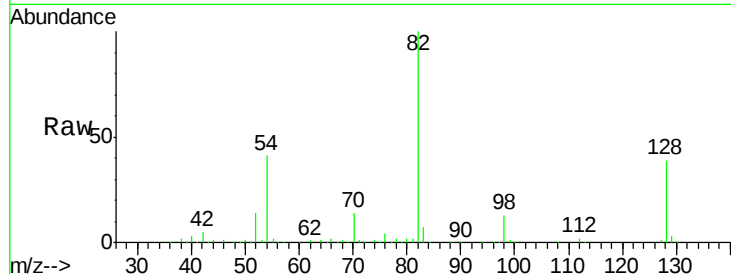




#23
 Nitrobenzene-d5
 Concen: 65.15 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.01 min
 Lab File: BF097697.D
 Acq: 15 Aug 2017 18:06

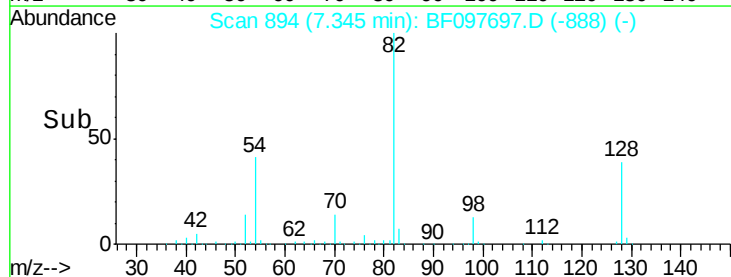
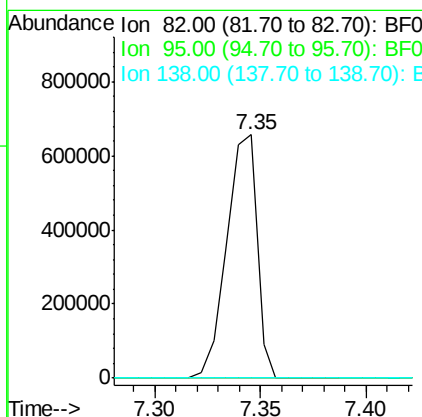
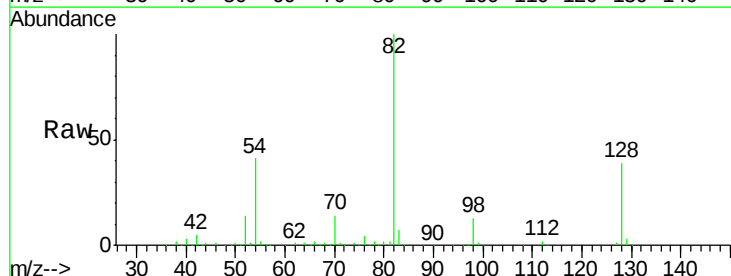
Instrument :
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 ClientSampleId :
 TOPSOIL-MATERIAL-COMP

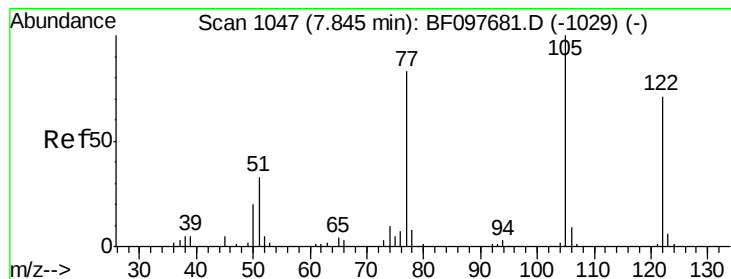
Tot Ion	82	Resp	649069
Ion Ratio	100	Lower	Upper
82	100		
128	39.4	34.0	51.0
54	40.9	42.2	63.2#



#25
 Isophorone
 Concen: 31.32 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.26 min
 Lab File: BF097697.D
 Acq: 15 Aug 2017 18:06

Tgt Ion	82	Resp	648840
Ion Ratio	100	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: 7.73 min Scan# 960

Delta R.T. -0.11 min

Lab File: BF097697.D

Acq: 15 Aug 2017 18:06

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-MATERIAL-COMP

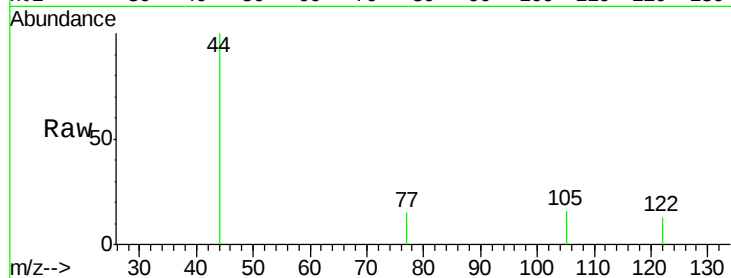
Tot Ion:122 Resp: 149

Ion Ratio Lower Upper

122 100

105 129.7 103.3 143.3

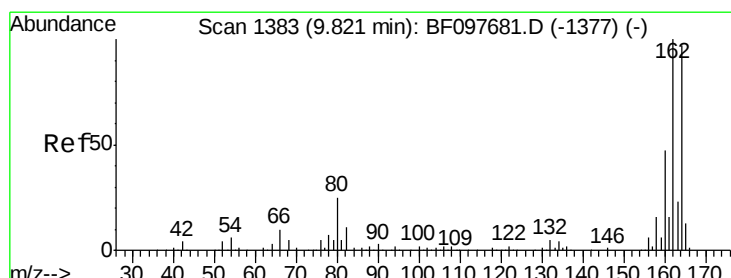
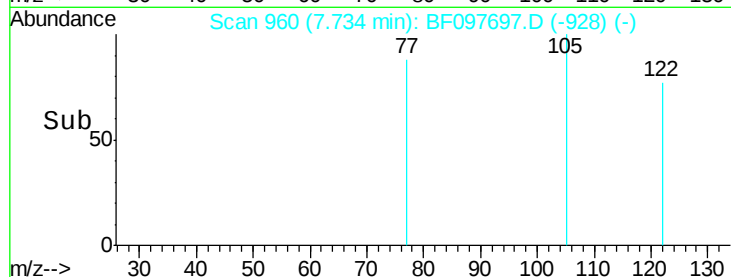
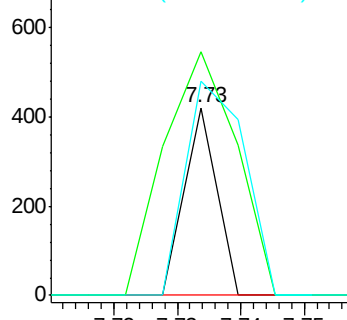
77 114.3 73.7 113.7#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BF097697.D

Acq: 15 Aug 2017 18:06

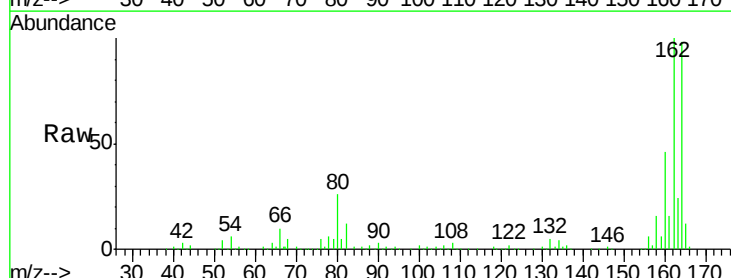
Tgt Ion:164 Resp: 250219

Ion Ratio Lower Upper

164 100

162 101.5 82.6 123.8

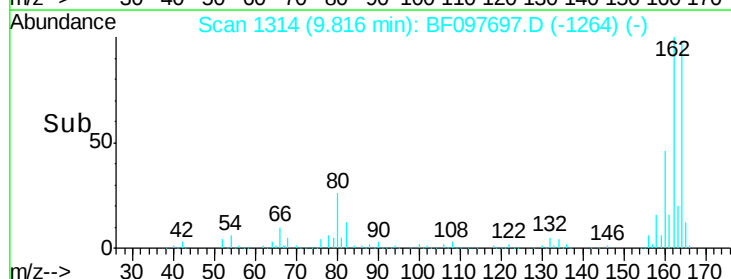
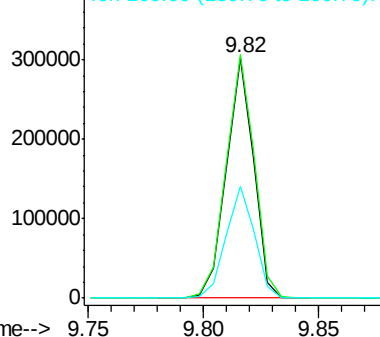
160 46.8 36.2 54.2

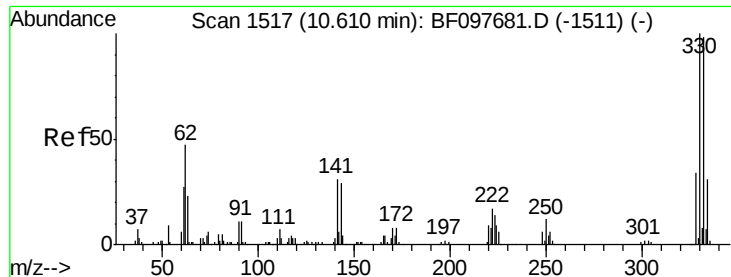


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

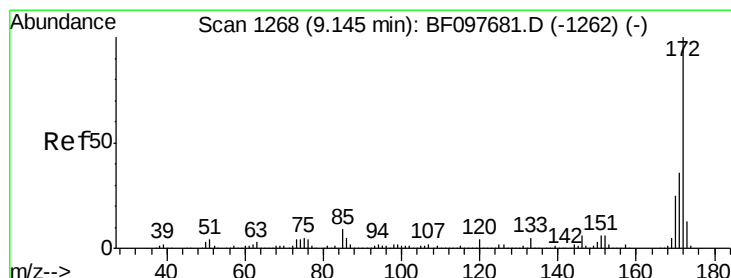
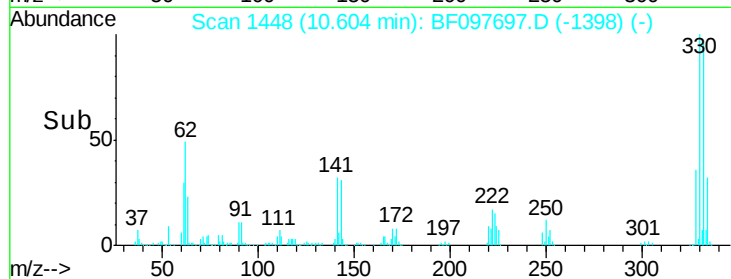
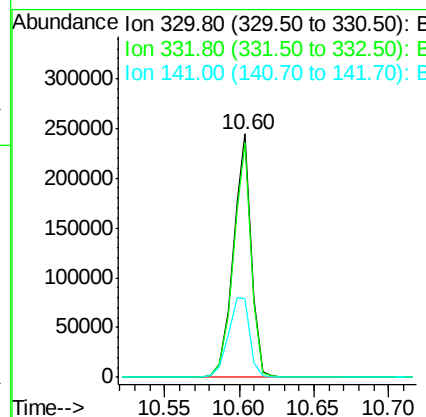
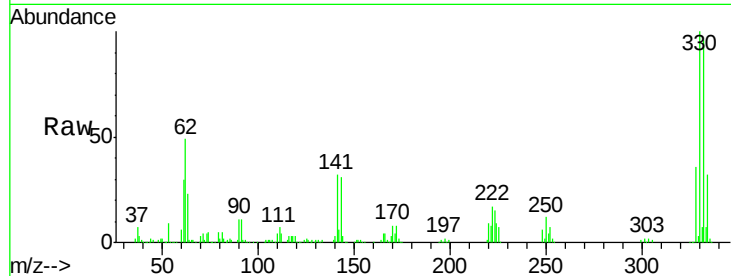




#41
 2,4,6-Tribromophenol
 Concen: 95.74 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF097697.D
 Acq: 15 Aug 2017 18:06

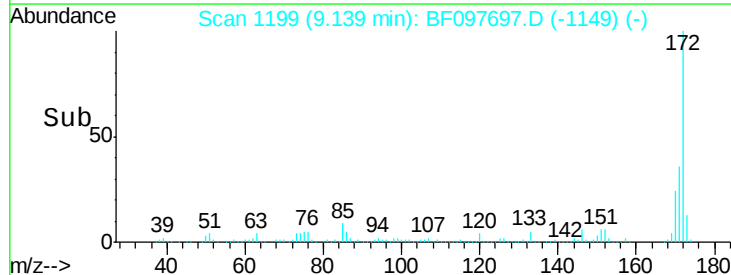
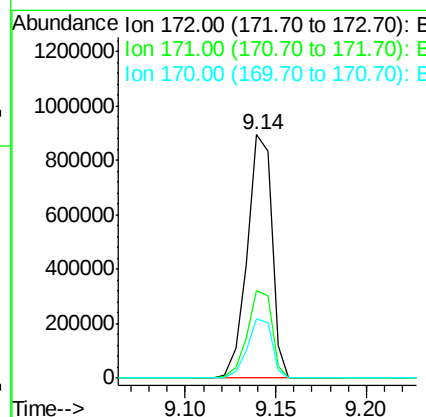
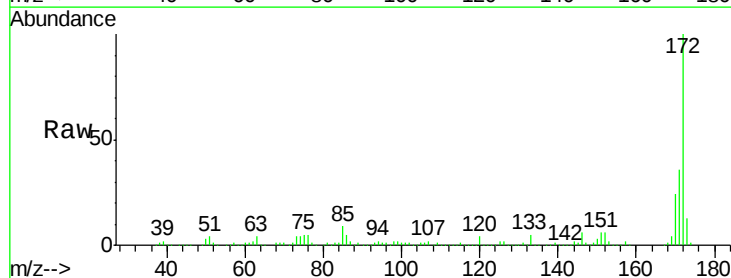
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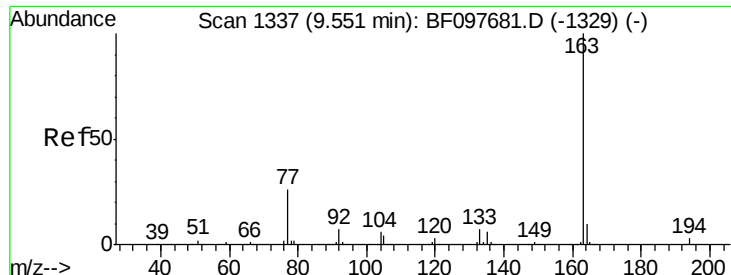
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.6	115.0
141	39.3	31.4	47.2



#44
 2-Fluorobiphenyl
 Concen: 49.65 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF097697.D
 Acq: 15 Aug 2017 18:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	24.4	19.8	29.8

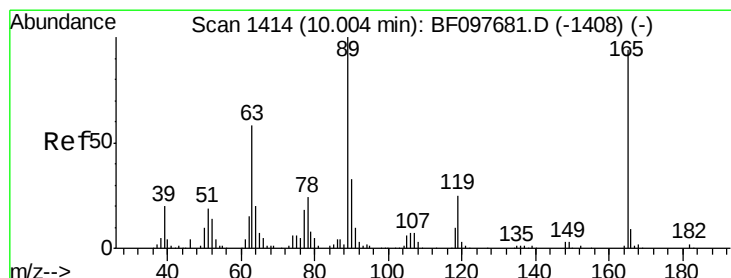
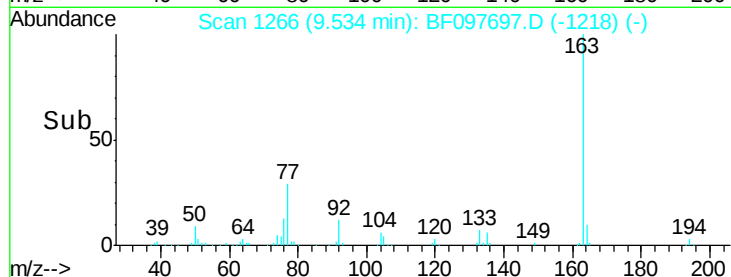
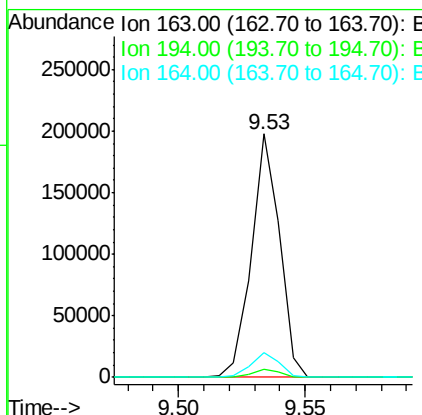
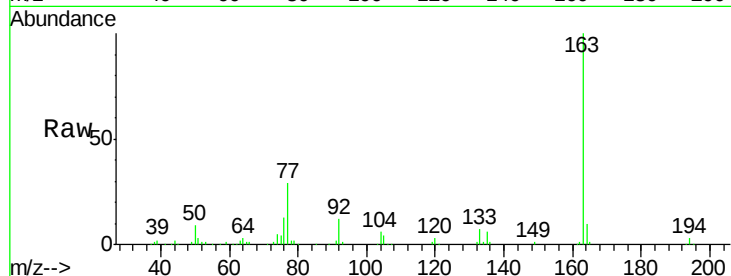




#49
Dimethylphthalate
Concen: 8.36 ng
RT: 9.53 min Scan# 1266
Delta R.T. -0.02 min
Lab File: BF097697.D
Acq: 15 Aug 2017 18:06

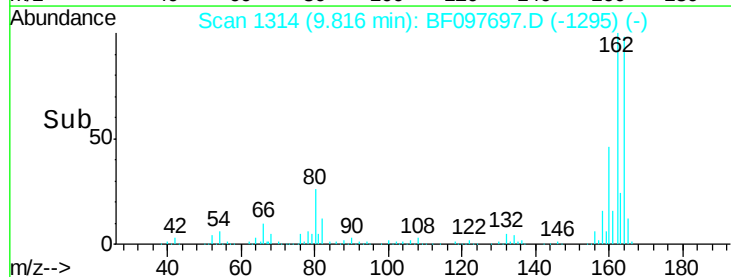
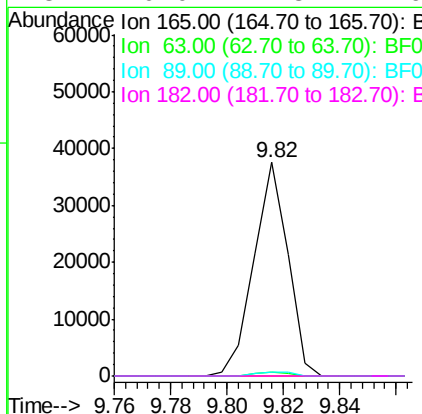
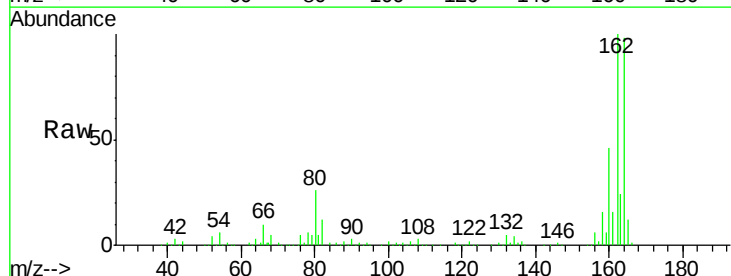
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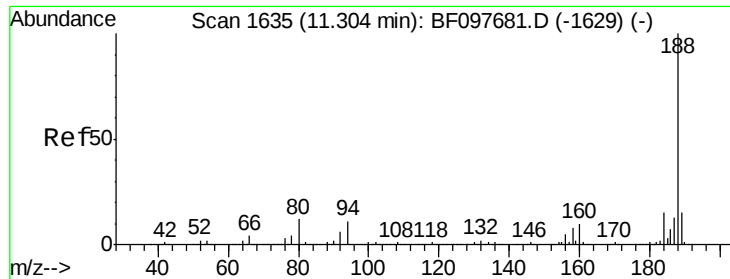
Tot Ion:163 Resp: 152899
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 10.2 8.4 12.6



#56
2,4-Dinitrotoluene
Concen: 6.84 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.19 min
Lab File: BF097697.D
Acq: 15 Aug 2017 18:06

Tgt Ion:165 Resp: 31359
Ion Ratio Lower Upper
165 100
63 1.7 25.4 38.0#
89 2.1 46.4 69.6#
182 0.0 1.8 2.6#

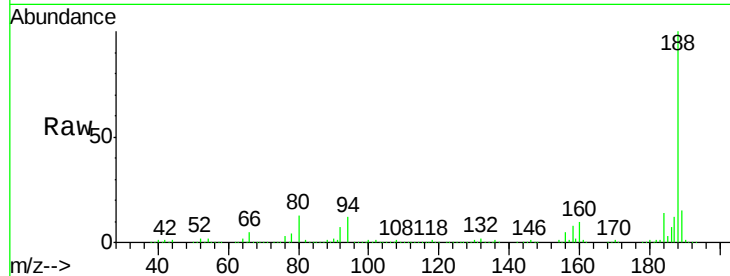




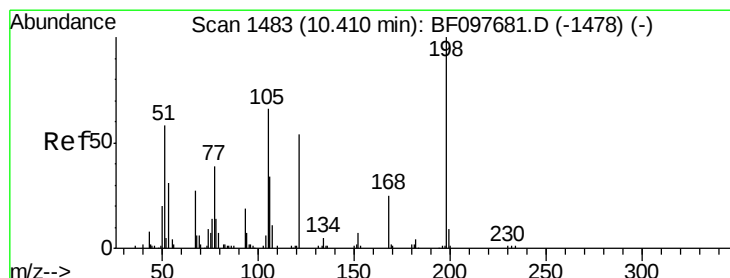
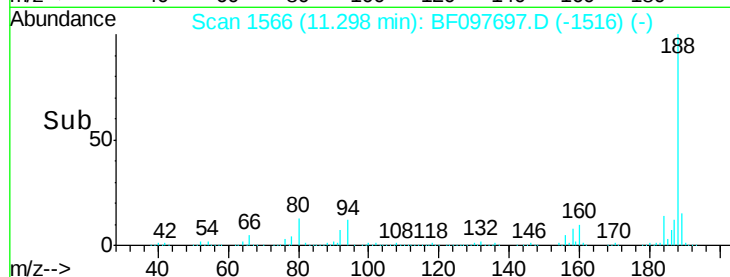
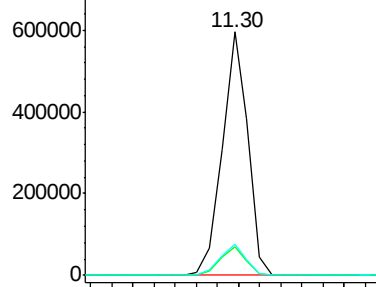
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF097697.D
Acq: 15 Aug 2017 18:06

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-MATERIAL-COMP

Tot Ion:188 Resp: 497565
Ion Ratio Lower Upper
188 100
94 12.0 9.4 14.2
80 12.9 10.2 15.2

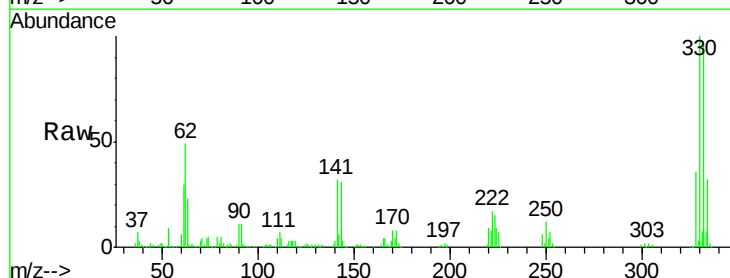


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

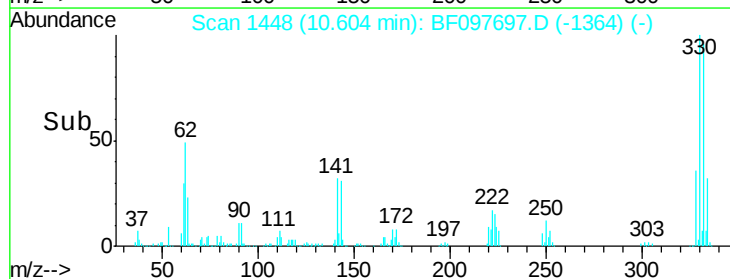
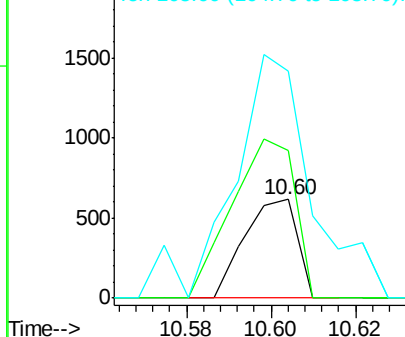


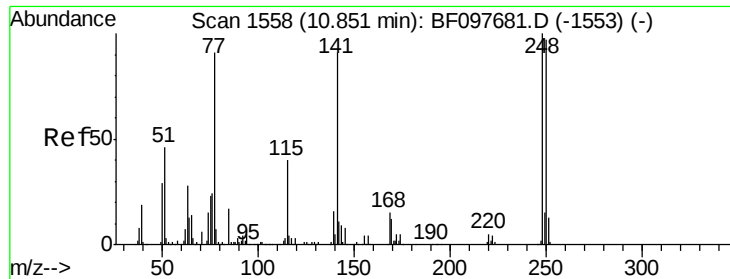
#64
4,6-Dinitro-2-methylphenol
Concen: 8.51 ng
RT: 10.60 min Scan# 1448
Delta R.T. 0.20 min
Lab File: BF097697.D
Acq: 15 Aug 2017 18:06

Tgt Ion:198 Resp: 536
Ion Ratio Lower Upper
198 100
51 149.8 53.2 93.2#
105 230.0 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

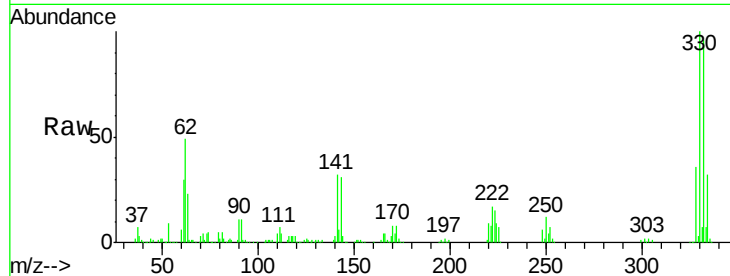




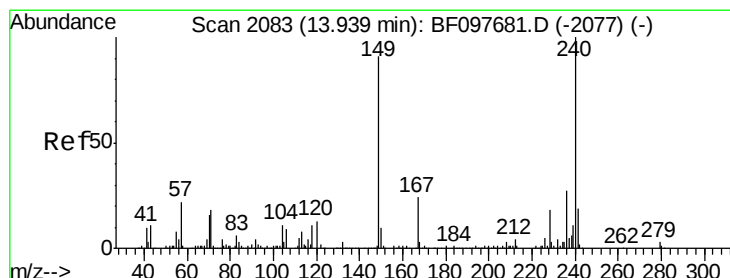
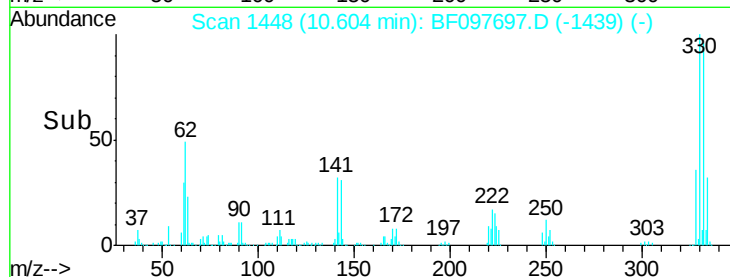
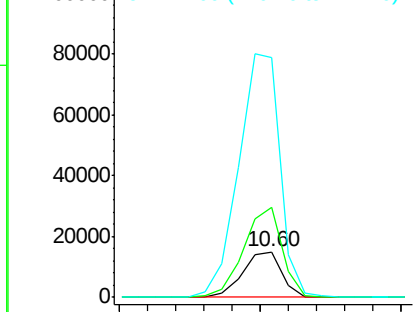
#66
 4-Bromophenyl-phenylether
 Concen: 2.76 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.25 min
 Lab File: BF097697.D
 Acq: 15 Aug 2017 18:06

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-MATERIAL-COMP

Tot Ion:248 Resp: 14251
 Ion Ratio Lower Upper
 248 100
 250 197.1 76.8 115.2#
 141 523.1 68.6 103.0#

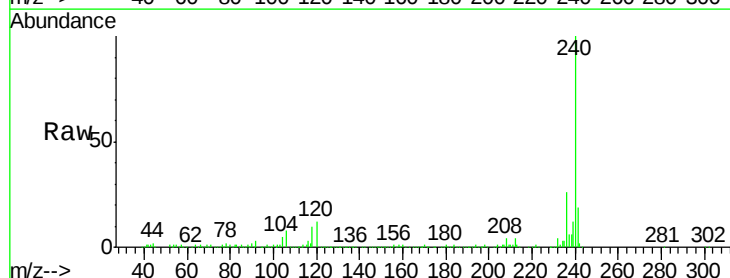


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

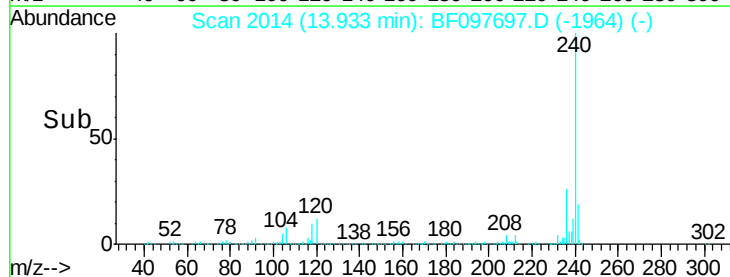
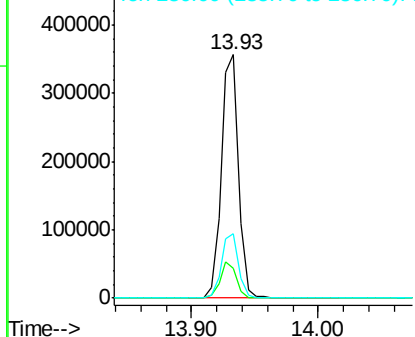


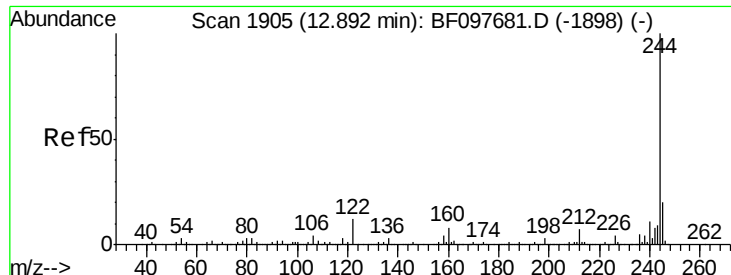
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.93 min Scan# 2014
 Delta R.T. -0.01 min
 Lab File: BF097697.D
 Acq: 15 Aug 2017 18:06

Tgt Ion:240 Resp: 336333
 Ion Ratio Lower Upper
 240 100
 120 12.2 5.8 8.8#
 236 26.3 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

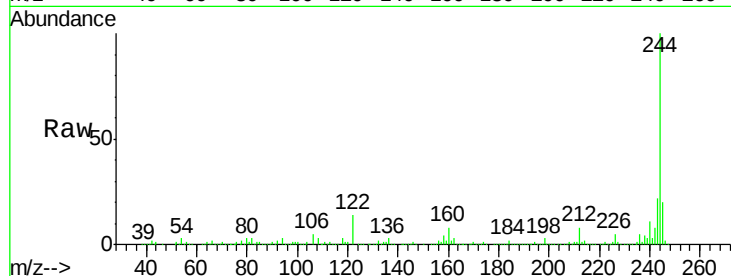




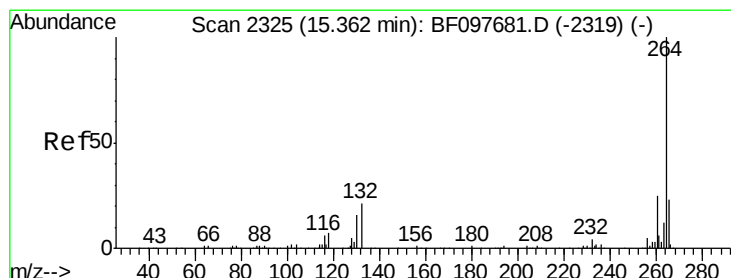
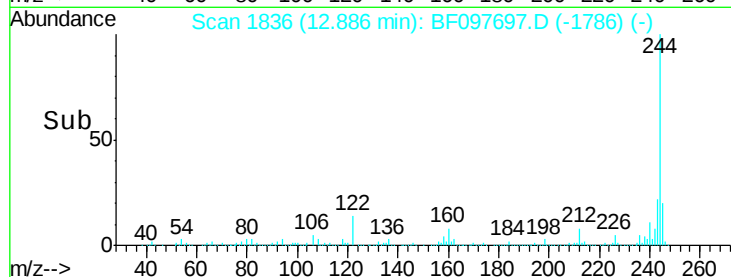
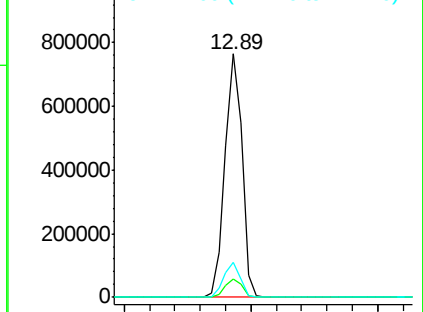
#78
 Terphenyl-d14
 Concen: 44.37 ng
 RT: 12.89 min Scan# 1836
 Delta R.T. -0.01 min
 Lab File: BF097697.D
 Acq: 15 Aug 2017 18:06

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-MATERIAL-COMP

Tot Ion:244 Resp: 715690
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.0 9.0
 122 14.2 10.3 15.5

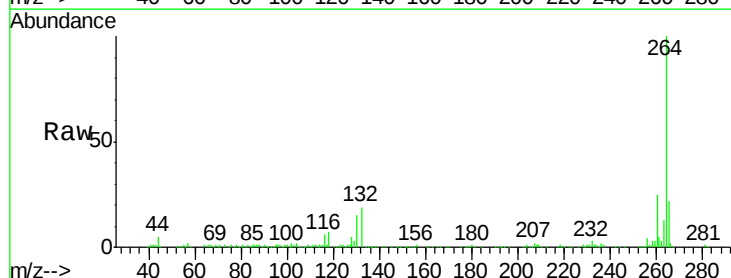


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 2257
 Delta R.T. 0.00 min
 Lab File: BF097697.D
 Acq: 15 Aug 2017 18:06

Tgt Ion:264 Resp: 258654
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.5 29.3
 265 21.8 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

