

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082118\
 Data File : BF108341.D
 Acq On : 21 Aug 2018 16:11
 Operator : JU/SJ
 Sample : J4516-04RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ND-SOIL

Quant Time: Aug 21 16:43:56 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

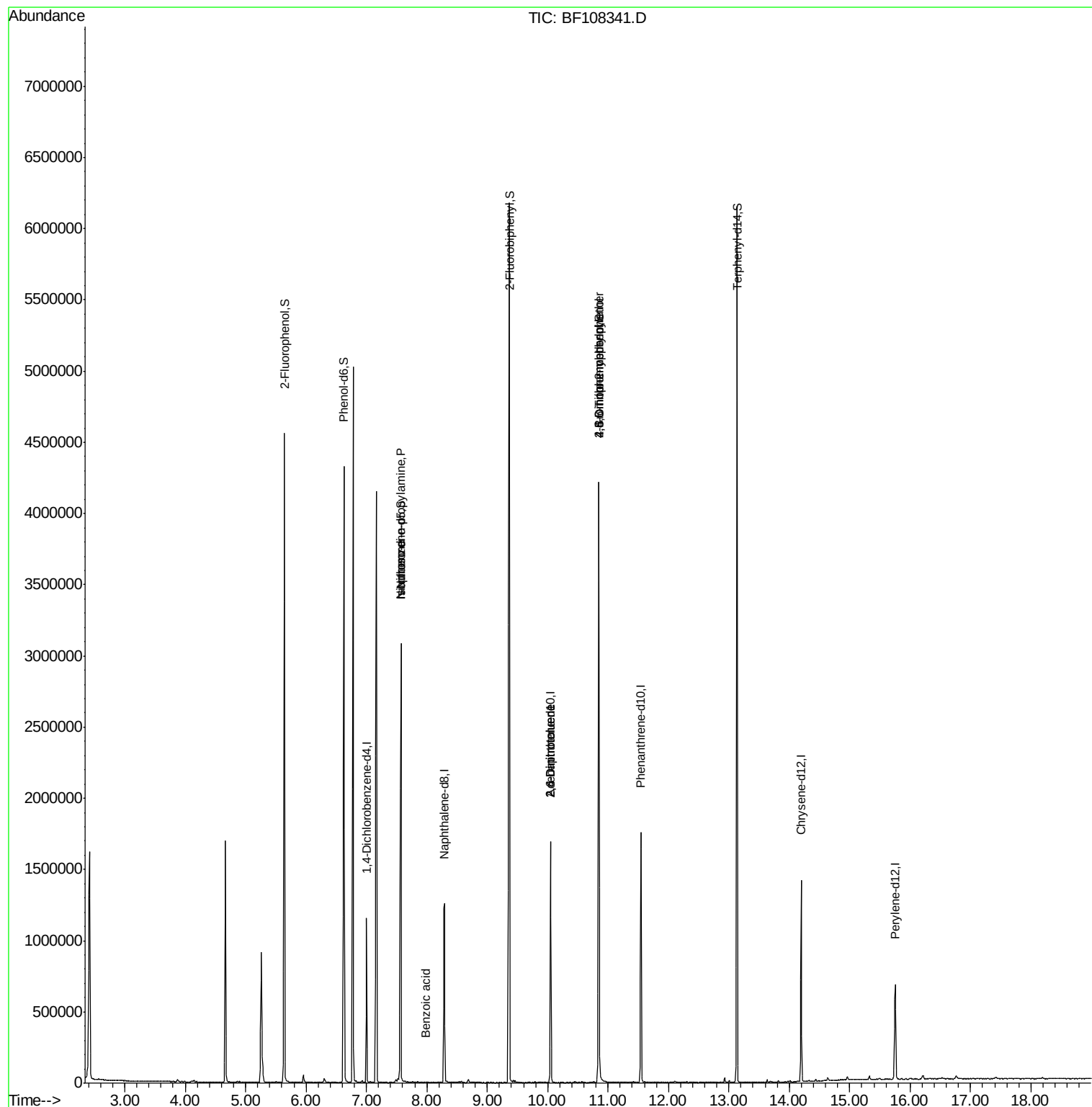
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	167516	20.00	ng	-0.01
21) Naphthalene-d8	8.29	136	628137	20.00	ng	-0.01
38) Acenaphthene-d10	10.05	164	327467	20.00	ng	-0.02
63) Phenanthrene-d10	11.54	188	669914	20.00	ng	-0.02
75) Chrysene-d12	14.19	240	518896	20.00	ng	-0.02
86) Perylene-d12	15.75	264	324277	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	1264474	136.66	ng	0.01
7) Phenol-d6	6.63	99	1569083	127.61	ng	0.00
23) Nitrobenzene-d5	7.57	82	1222681	108.62	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	561215	171.81	ng	-0.01
44) 2-Fluorobiphenyl	9.37	172	2168292	106.30	ng	-0.01
78) Terphenyl-d14	13.14	244	2219345	108.75	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.57	70	165924	19.956	ng	# 83
25) Isophorone	7.57	82	1214645	56.612	ng	# 64
32) Benzoic acid	7.98	122	117	5.993	ng	# 1
50) 2,6-Dinitrotoluene	10.05	165	42512	8.908	ng	# 25
56) 2,4-Dinitrotoluene	10.05	165	42512	6.920	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.84	198	1076	5.739	ng	# 1
66) 4-Bromophenyl-phenylether	10.85	248	37669	5.174	ng	# 1

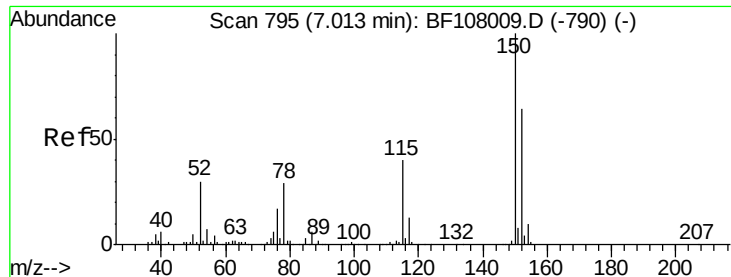
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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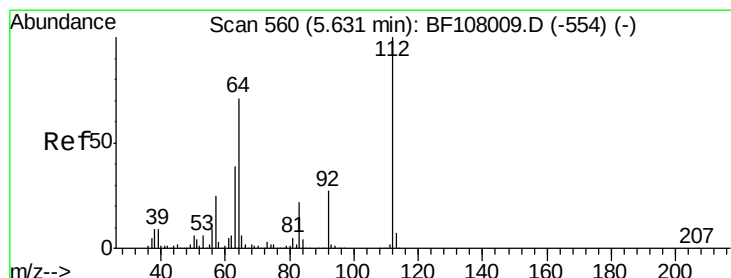
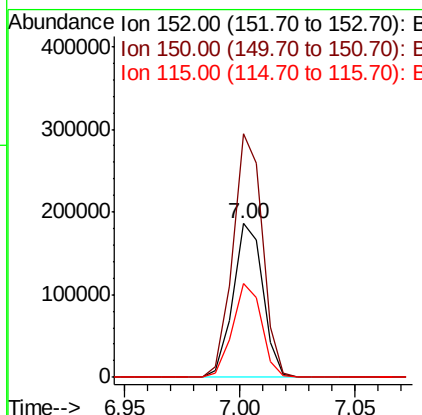
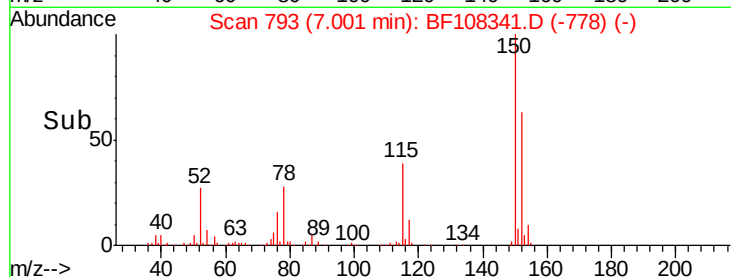
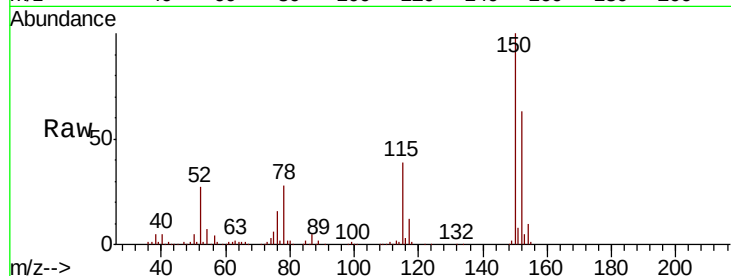


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108341.D
Acq: 21 Aug 2018 16:11

Instrument :
BNA_F
ClientSampleId :
ND-SOIL

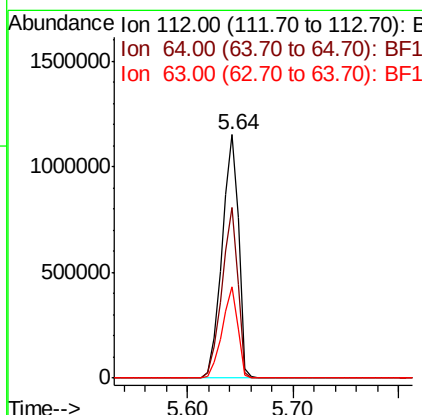
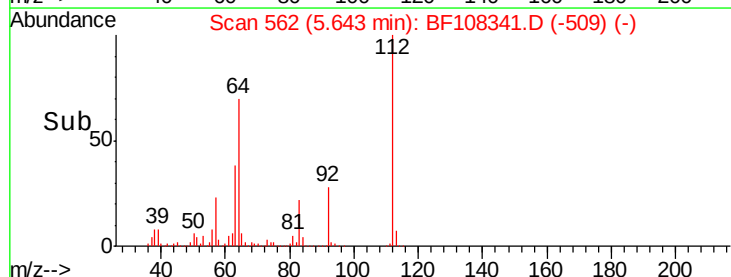
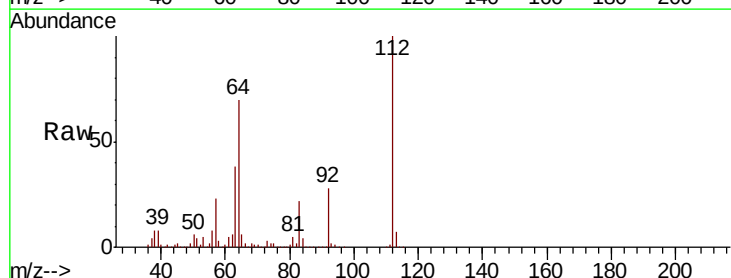
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	124.6	186.8
115	61.2	50.1	75.1

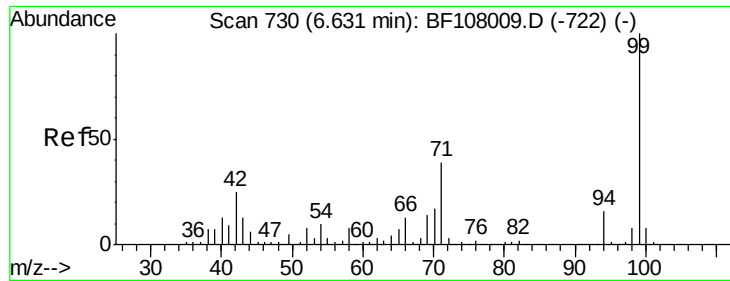


#5

2-Fluorophenol
Concen: 136.660 ng
RT: 5.64 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF108341.D
Acq: 21 Aug 2018 16:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.1	47.9	71.9
63	37.7	23.7	35.5





#7

Phenol-d6

Concen: 127.613 ng

RT: 6.63 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF108341.D

Acq: 21 Aug 2018 16:11

Instrument :

BNA_F

ClientSampleId :

ND-SOIL

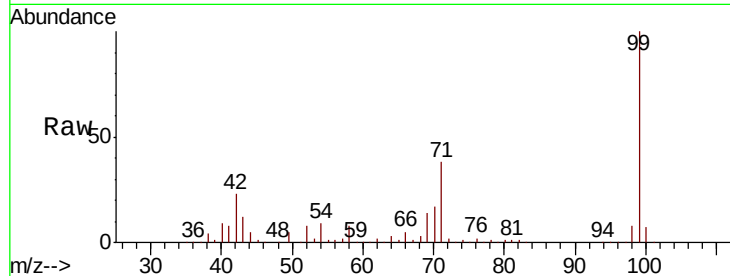
Tot Ion: 99 Resp: 1569083

Ion Ratio Lower Upper

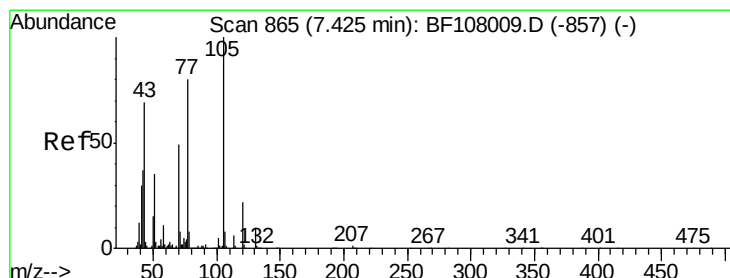
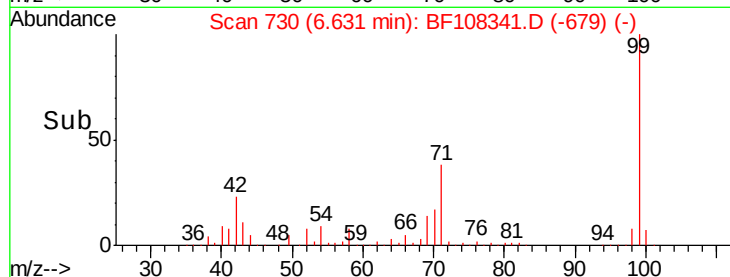
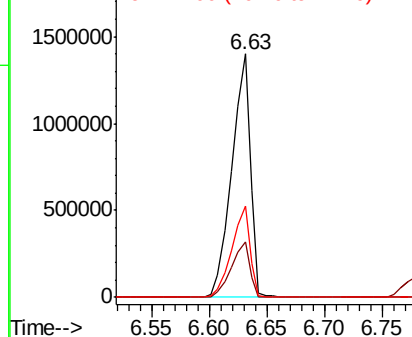
99 100

42 22.9 14.5 21.7#

71 37.6 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 19.956 ng

RT: 7.57 min Scan# 890

Delta R.T. 0.15 min

Lab File: BF108341.D

Acq: 21 Aug 2018 16:11

Tgt Ion: 70 Resp: 165924

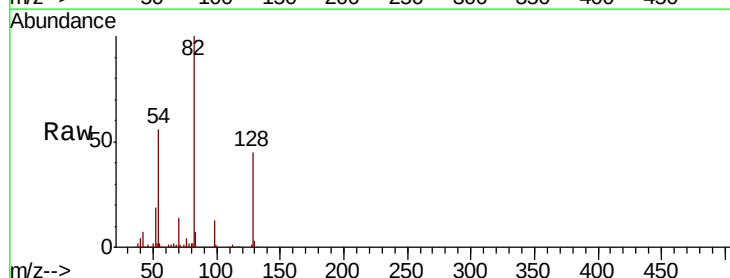
Ion Ratio Lower Upper

70 100

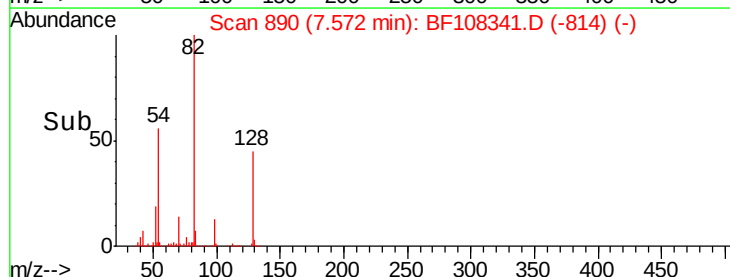
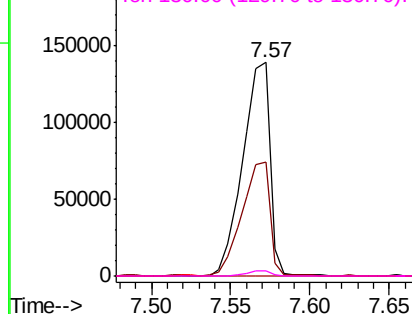
42 53.1 47.5 71.3

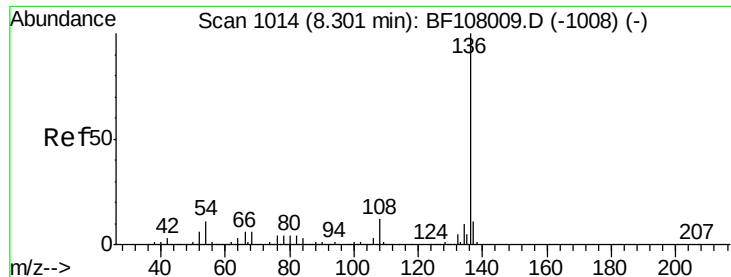
101 0.0 7.4 11.2#

130 2.2 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

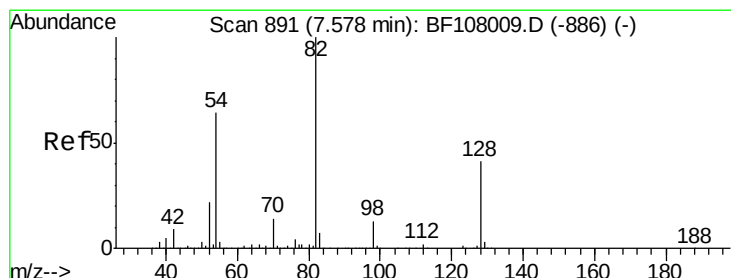
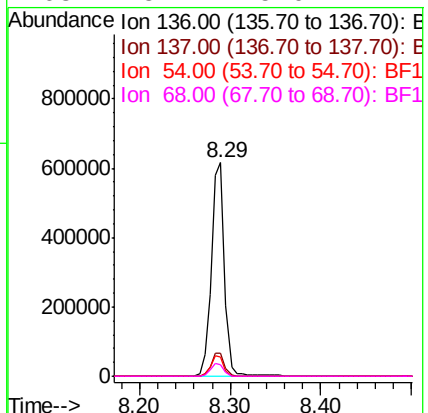
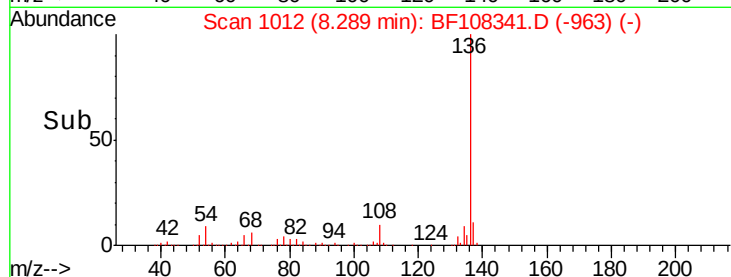
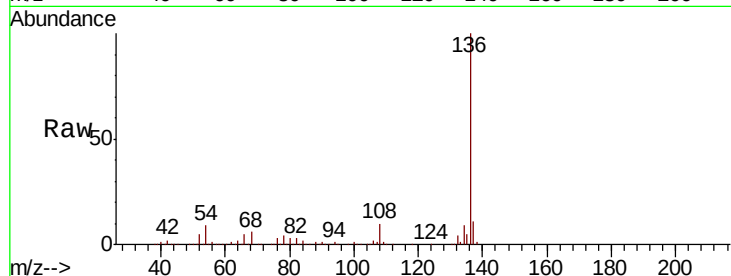




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.29 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF108341.D
Acq: 21 Aug 2018 16:11

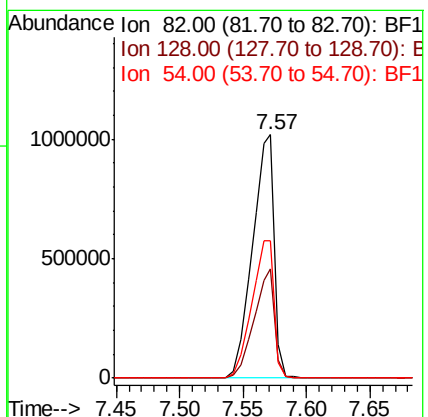
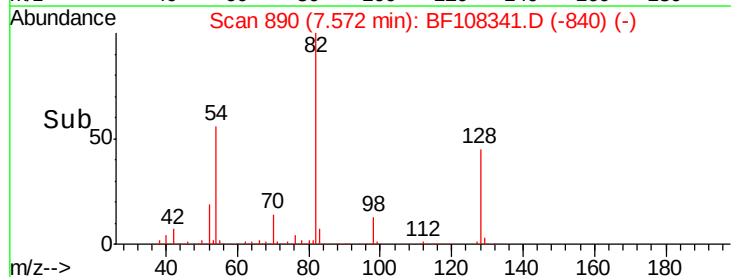
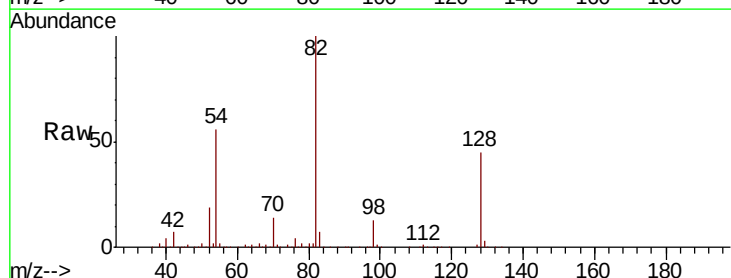
Instrument :
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ClientSampleId :
ND-SOIL

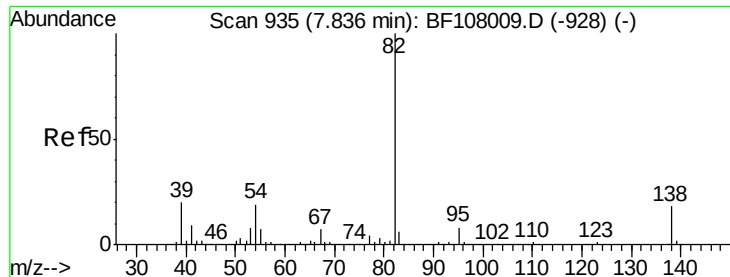
Tot Ion:136	Resp:	628137
Ion	Ratio	Lower Upper
136	100	
137	11.0	8.9 13.3
54	9.0	6.6 9.8
68	5.7	5.0 7.4



#23
Nitrobenzene-d5
Concen: 108.619 ng
RT: 7.57 min Scan# 890
Delta R.T. -0.01 min
Lab File: BF108341.D
Acq: 21 Aug 2018 16:11

Tgt Ion: 82	Resp:	1222681
Ion	Ratio	Lower Upper
82	100	
128	44.7	36.1 54.1
54	56.5	41.4 62.2





#25

Isophorone

Concen: 56.612 ng

RT: 7.57 min Scan# 890

Delta R.T. -0.26 min

Lab File: BF108341.D

Acq: 21 Aug 2018 16:11

Instrument :

BNA_F

ClientSampleId :

ND-SOIL

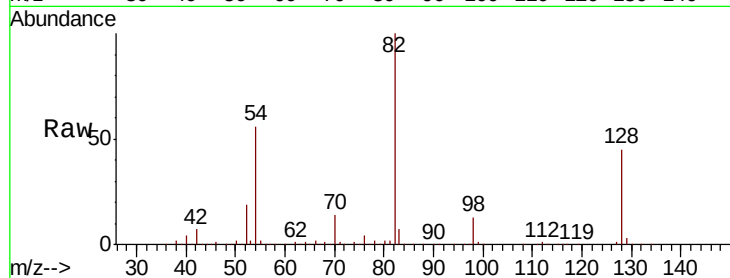
Tot Ion: 82 Resp: 1214645

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

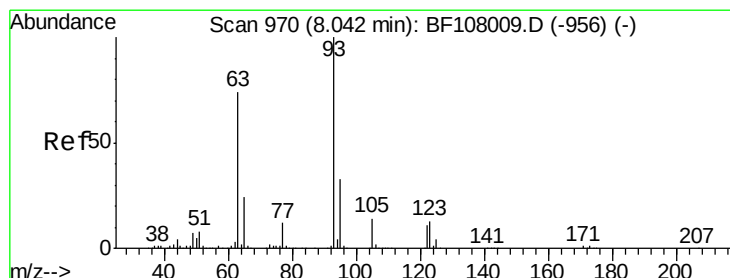
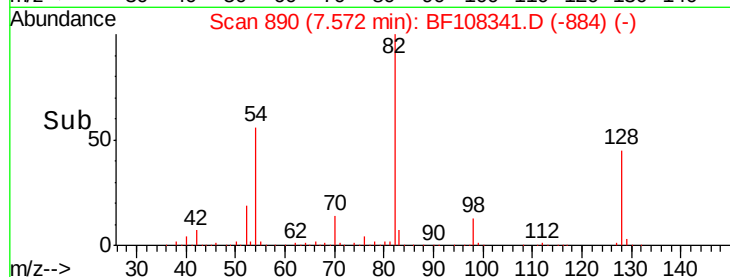
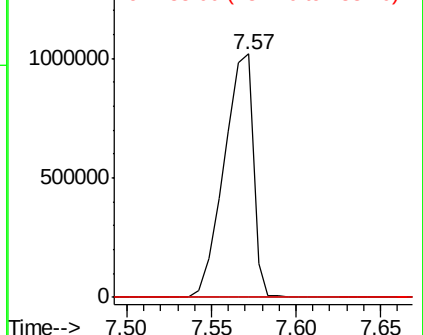
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#32

Benzoic acid

Concen: 5.993 ng

RT: 7.98 min Scan# 959

Delta R.T. -0.06 min

Lab File: BF108341.D

Acq: 21 Aug 2018 16:11

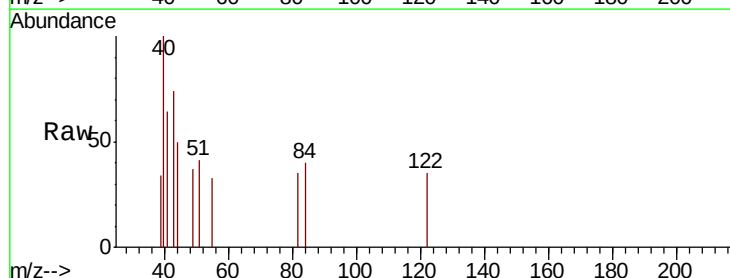
Tgt Ion: 122 Resp: 117

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

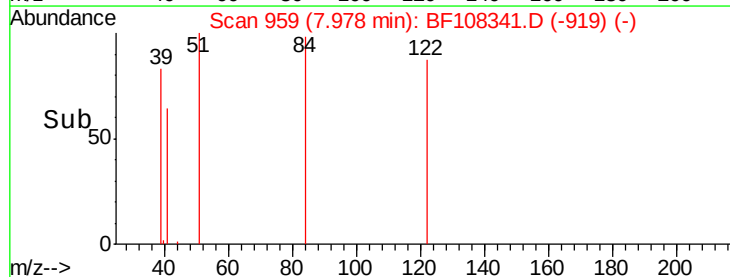
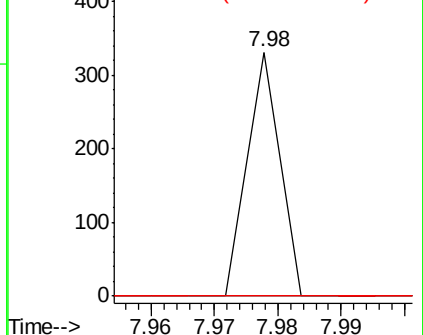
77 0.0 70.7 110.7#

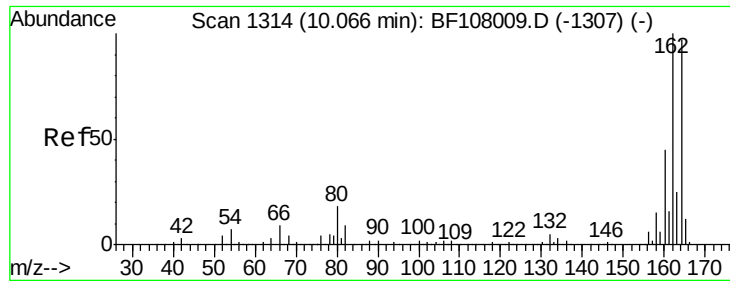


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

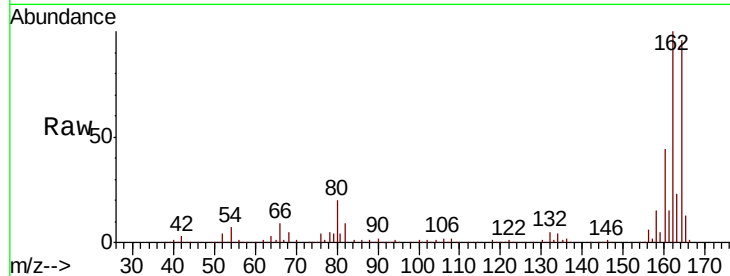




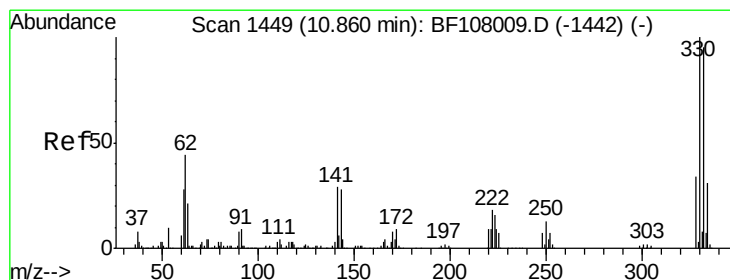
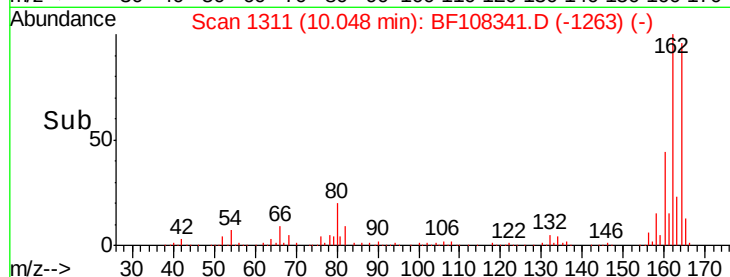
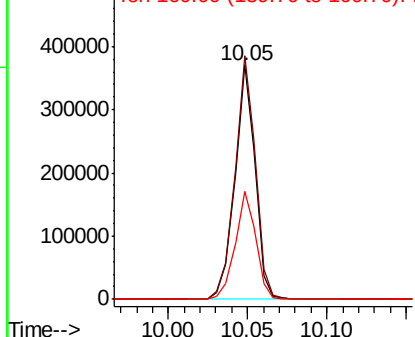
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.05 min Scan# 1311
Delta R.T. -0.02 min
Lab File: BF108341.D
Acq: 21 Aug 2018 16:11

Instrument :
BNA_F
ClientSampled :
ND-SOIL

Tot Ion:164 Resp: 327467
Ion Ratio Lower Upper
164 100
162 103.8 86.1 129.1
160 45.8 38.3 57.5

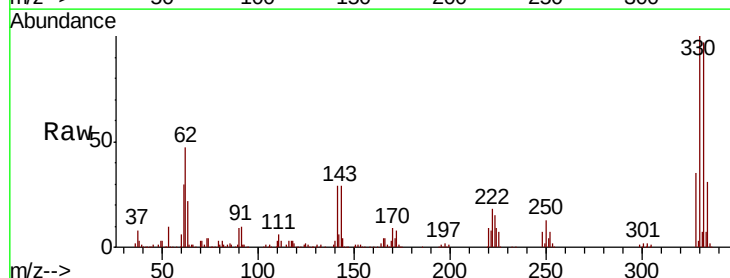


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

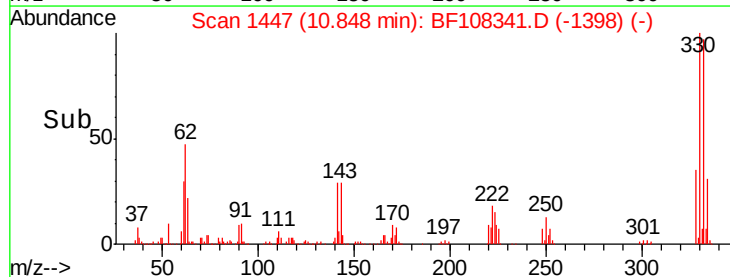
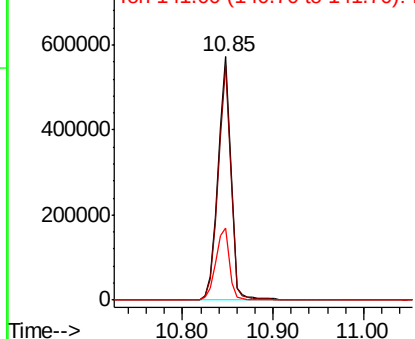


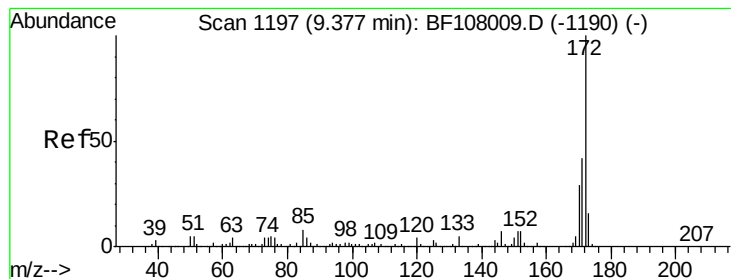
#41
2,4,6-Tribromophenol
Concen: 171.815 ng
RT: 10.85 min Scan# 1447
Delta R.T. -0.01 min
Lab File: BF108341.D
Acq: 21 Aug 2018 16:11

Tgt Ion:330 Resp: 561215
Ion Ratio Lower Upper
330 100
332 95.8 77.0 115.6
141 31.8 29.9 44.9



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

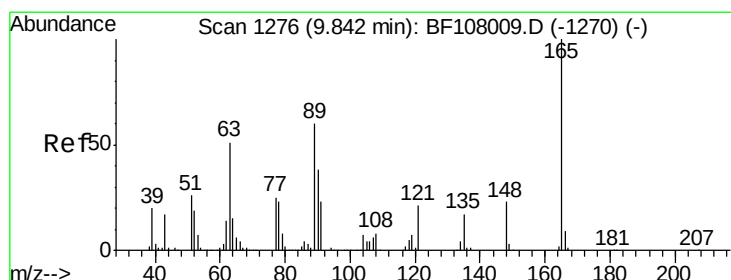
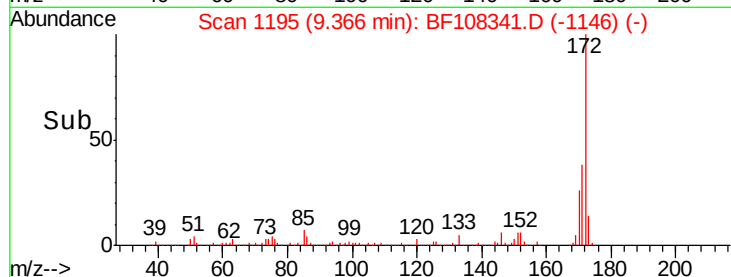
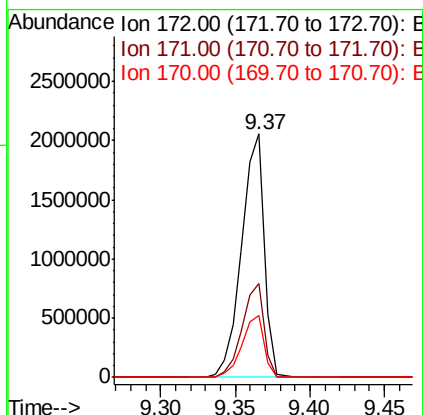
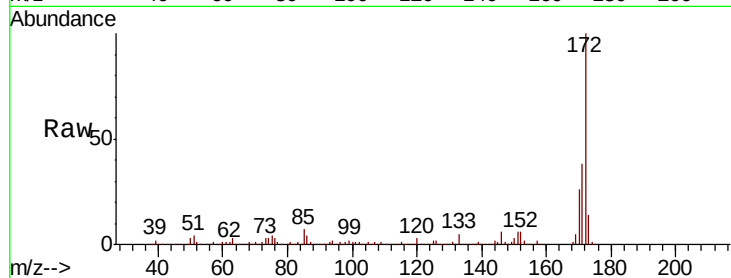




#44
 2-Fluorobiphenyl
 Concen: 106.305 ng
 RT: 9.37 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF108341.D
 Acq: 21 Aug 2018 16:11

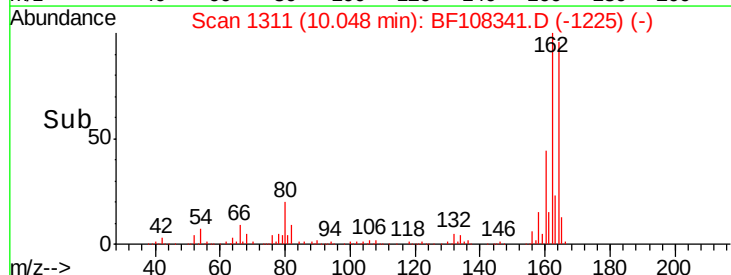
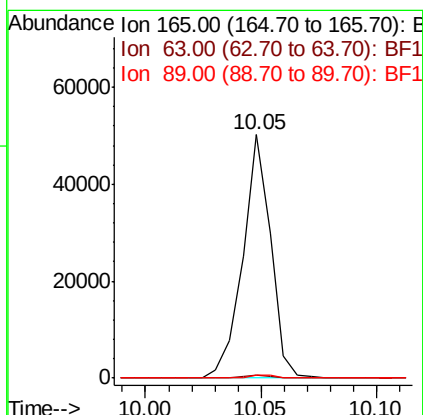
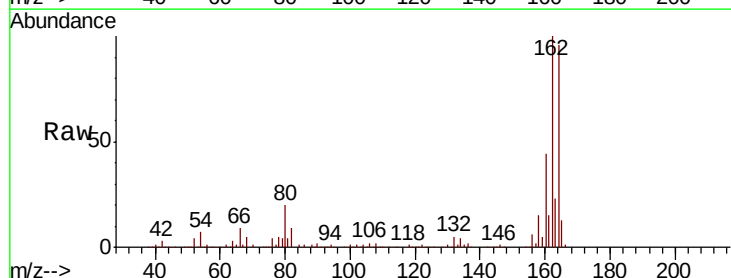
Instrument :
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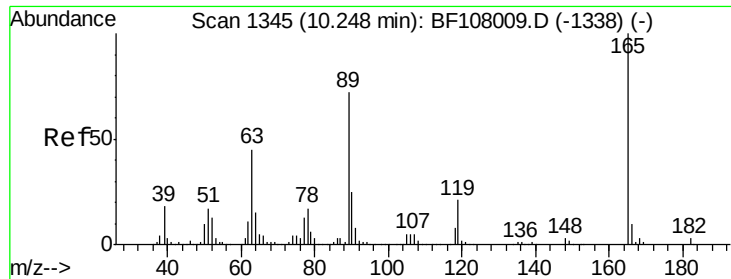
Tot Ion:172 Resp: 2168292
 Ion Ratio Lower Upper
 172 100
 171 38.3 29.7 44.5
 170 25.7 19.6 29.4



#50
 2,6-Dinitrotoluene
 Concen: 8.908 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. 0.21 min
 Lab File: BF108341.D
 Acq: 21 Aug 2018 16:11

Tgt Ion:165 Resp: 42512
 Ion Ratio Lower Upper
 165 100
 63 1.1 44.7 67.1#
 89 1.4 44.0 66.0#

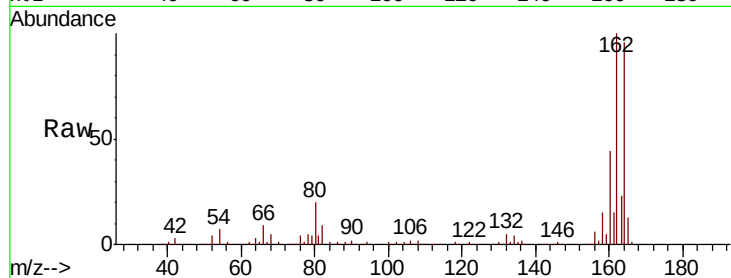




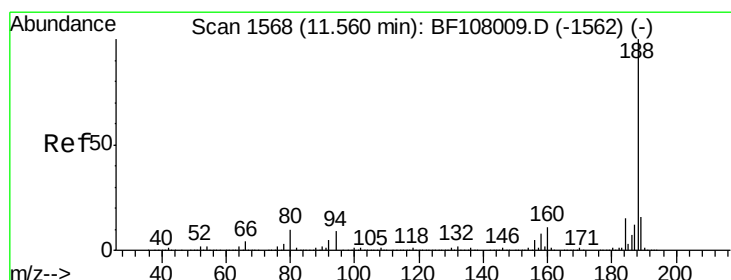
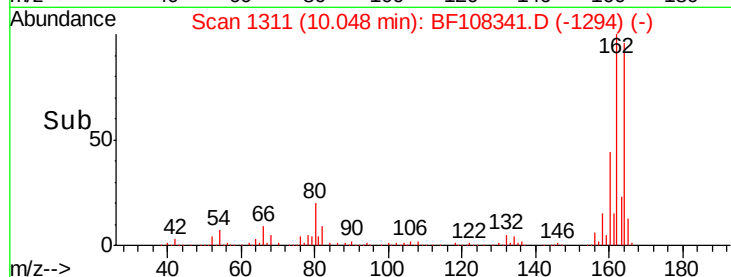
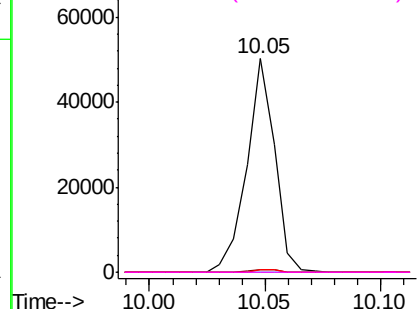
#56
 2,4-Dinitrotoluene
 Concen: 6.920 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. -0.20 min
 Lab File: BF108341.D
 Acq: 21 Aug 2018 16:11

Instrument :
 BNA_F
 ClientSampleId :
 ND-SOIL

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#

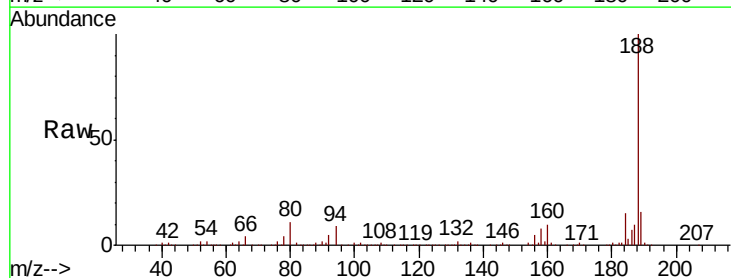


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

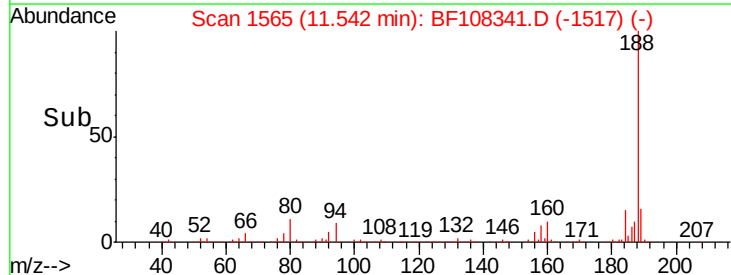
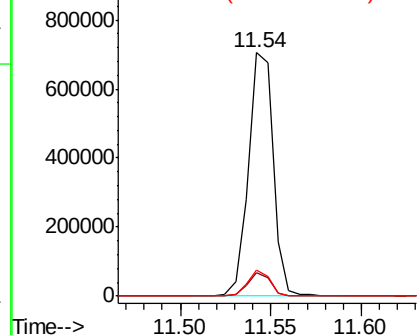


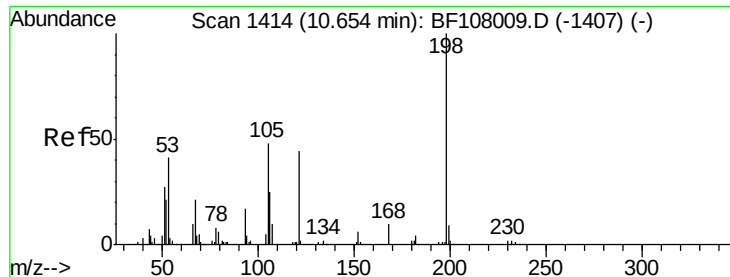
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1565
 Delta R.T. -0.02 min
 Lab File: BF108341.D
 Acq: 21 Aug 2018 16:11

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.5	12.7
80	10.6	9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

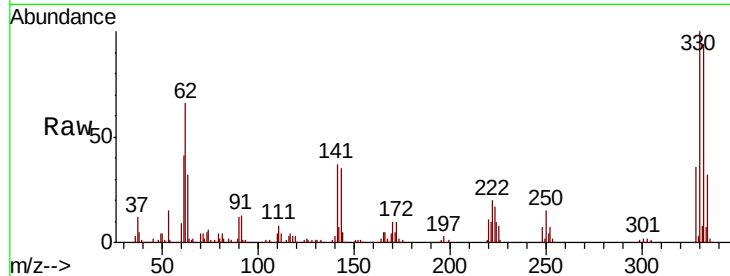




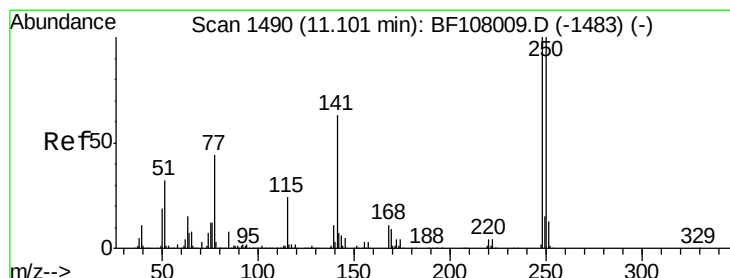
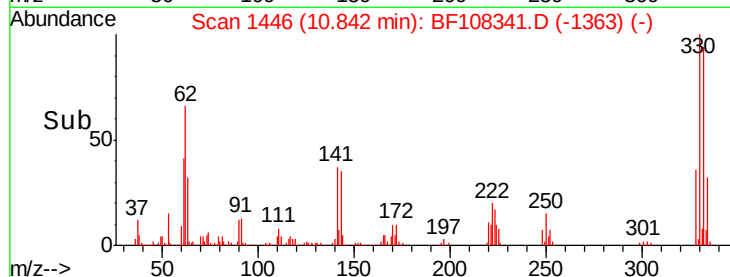
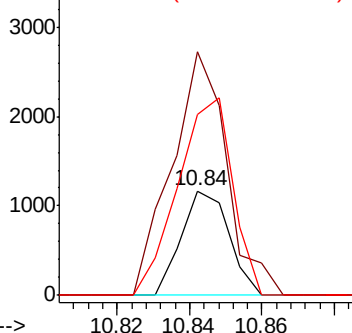
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.739 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. 0.19 min
 Lab File: BF108341.D
 Acq: 21 Aug 2018 16:11

Instrument :
 BNA_F
 ClientSampleId :
 ND-SOIL

Tot Ion:198 Resp: 1076
 Ion Ratio Lower Upper
 198 100
 51 232.9 37.7 77.7#
 105 173.2 36.3 76.3#

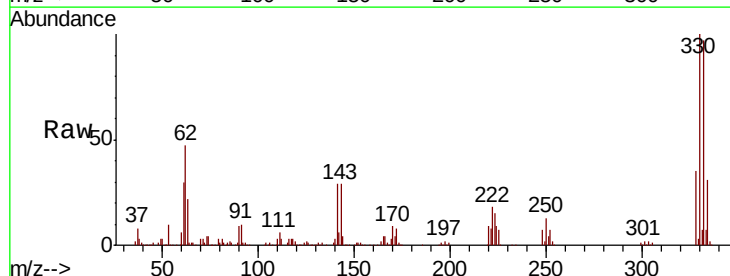


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

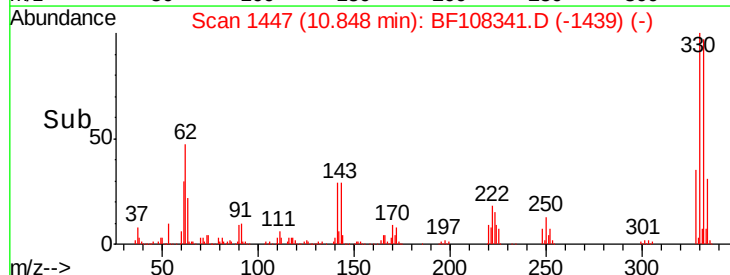
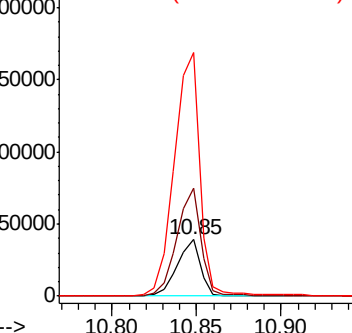


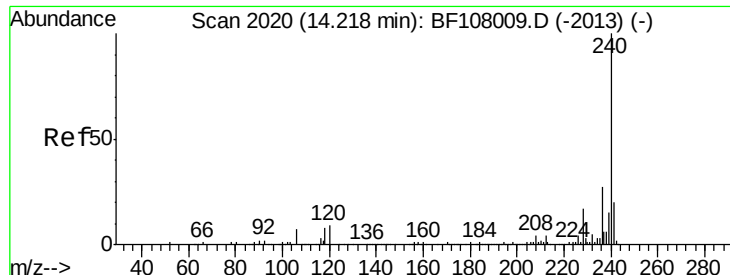
#66
 4-Bromophenyl-phenylether
 Concen: 5.174 ng
 RT: 10.85 min Scan# 1447
 Delta R.T. -0.25 min
 Lab File: BF108341.D
 Acq: 21 Aug 2018 16:11

Tgt Ion:248 Resp: 37669
 Ion Ratio Lower Upper
 248 100
 250 193.4 76.9 115.3#
 141 433.9 74.4 111.6#



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: 20.000 ng

RT: 14.19 min Scan# 2016

Delta R.T. -0.02 min

Lab File: BF108341.D

Acq: 21 Aug 2018 16:11

Instrument :

BNA_F

ClientSampleId :

ND-SOIL

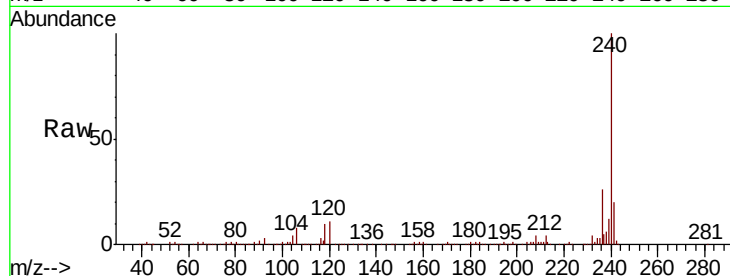
Tot Ion:240 Resp: 518896

Ion Ratio Lower Upper

240 100

120 10.7 9.5 14.3

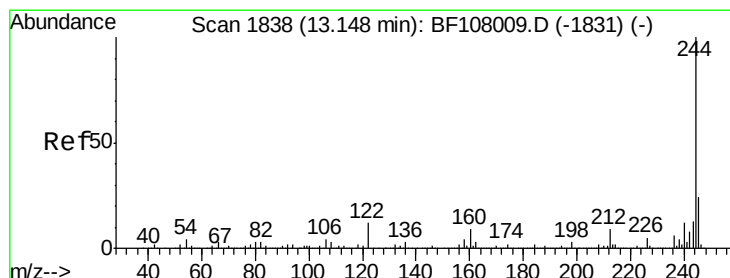
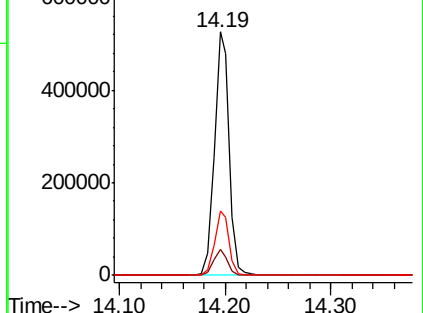
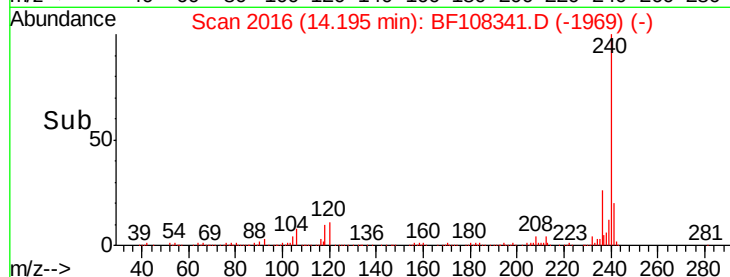
236 26.3 20.7 31.1



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: 108.747 ng

RT: 13.14 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF108341.D

Acq: 21 Aug 2018 16:11

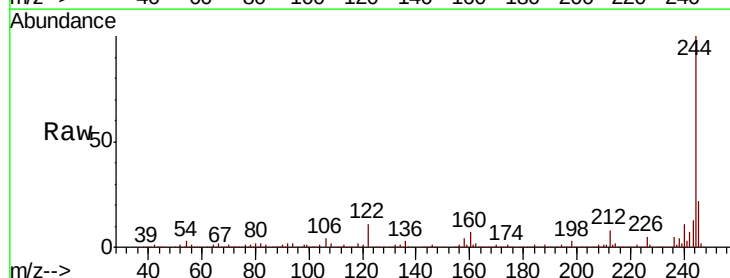
Tgt Ion:244 Resp: 2219345

Ion Ratio Lower Upper

244 100

212 7.9 5.4 8.0

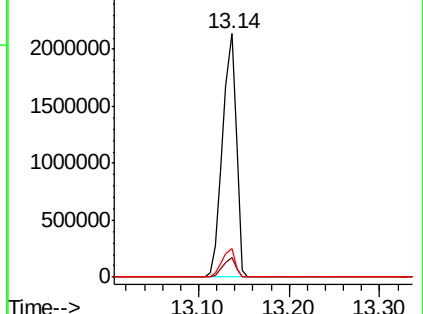
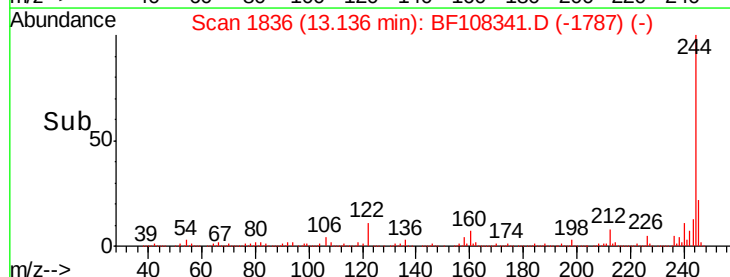
122 11.5 11.0 16.4

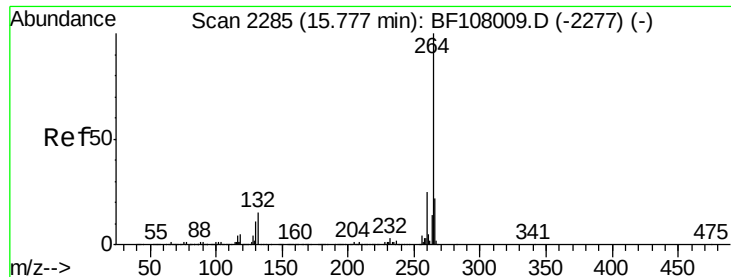


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2281
Delta R.T. -0.02 min
Lab File: BF108341.D
Acq: 21 Aug 2018 16:11

Instrument :
BNA_F
ClientSampleId :
ND-SOIL

Tot Ion:264 Resp: 324277
Ion Ratio Lower Upper
264 100
260 25.2 19.2 28.8
265 21.8 17.5 26.3

