

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092818\
 Data File : BF109453.D
 Acq On : 29 Sep 2018 2:27
 Operator : JU/SJ
 Sample : J5131-02
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FOUNDATION-CONTAINMENT-A

Quant Time: Oct 01 03:08:28 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

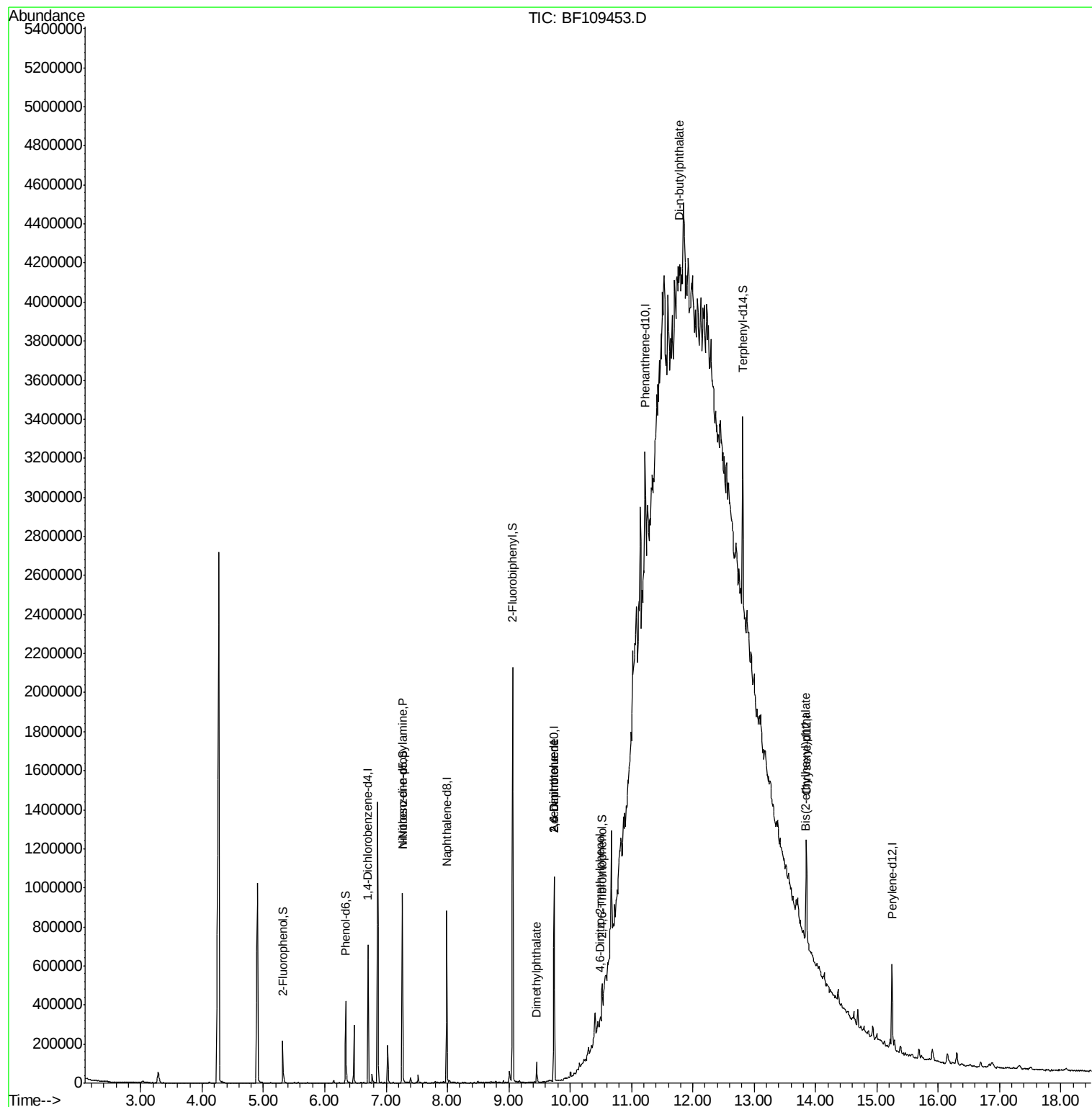
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	105793	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	401620	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	187360	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	244508	20.00	ng	0.00
75) Chrysene-d12	13.85	240	179284	20.00	ng	0.00
86) Perylene-d12	15.25	264	203257	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	62616	9.75	ng	0.00
7) Phenol-d6	6.34	99	130842	15.96	ng	-0.02
23) Nitrobenzene-d5	7.27	82	327237	48.10	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	14442	7.82	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	631992	50.87	ng	-0.01
78) Terphenyl-d14	12.82	244	342661	46.91	ng	0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.27	70	44097	8.211	ng	# 78
49) Dimethylphthalate	9.46	163	38549	2.829	ng	# 99
50) 2,6-Dinitrotoluene	9.74	165	23548	8.725	ng	# 26
56) 2,4-Dinitrotoluene	9.74	165	23548	6.896	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.49	198	255	6.745	ng	# 1
73) Di-n-butylphthalate	11.79	149	32792	2.312	ng	# 51
83) Bis(2-ethylhexyl)phthalate	13.84	149	28879	4.189	ng	# 97

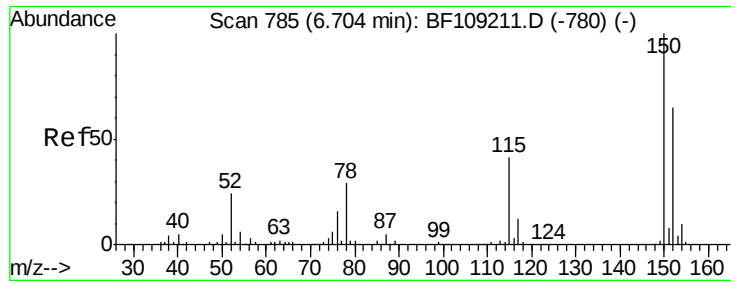
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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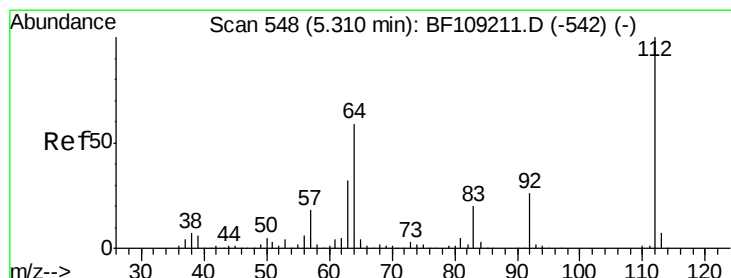
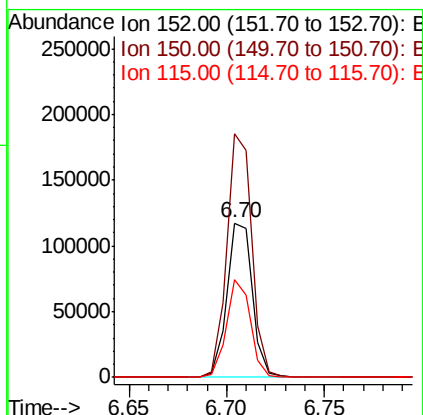
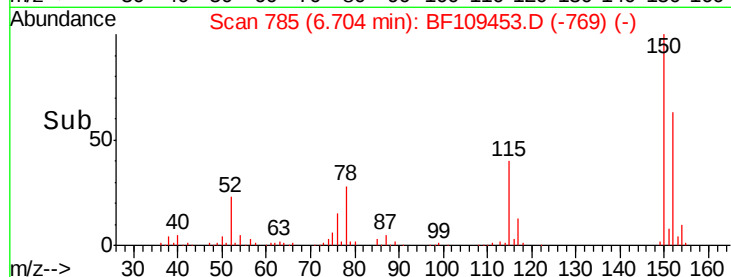
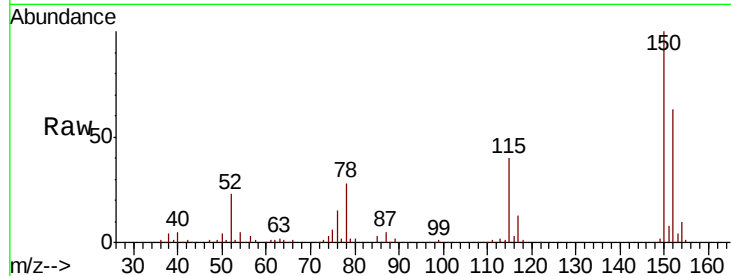


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109453.D
Acq: 29 Sep 2018 2:27

Instrument :
BNA_F
ClientSampleId :
FOUNDATION-CONTAINMENT-A

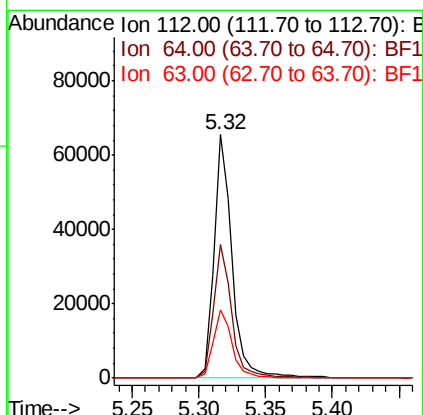
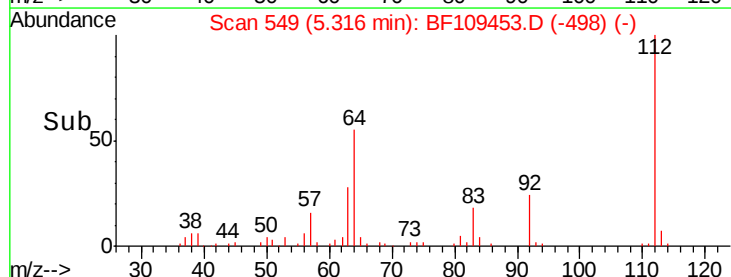
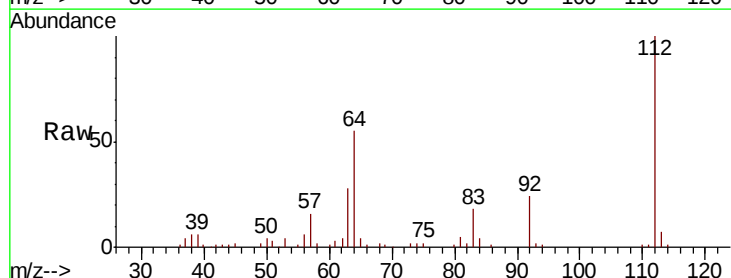
Tgt Ion:152 Resp: 105793
Ion Ratio Lower Upper
152 100
150 157.8 124.6 186.8
115 63.2 50.1 75.1



#5

2-Fluorophenol
Concen: 9.749 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.00 min
Lab File: BF109453.D
Acq: 29 Sep 2018 2:27

Tgt Ion:112 Resp: 62616
Ion Ratio Lower Upper
112 100
64 54.8 47.9 71.9
63 28.0 23.7 35.5





#7

Phenol-d6

Concen: 15.964 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109453.D

Acq: 29 Sep 2018 2:27

Instrument :

BNA_F

ClientSampleId :

FOUNDATION-CONTAINMENT-A

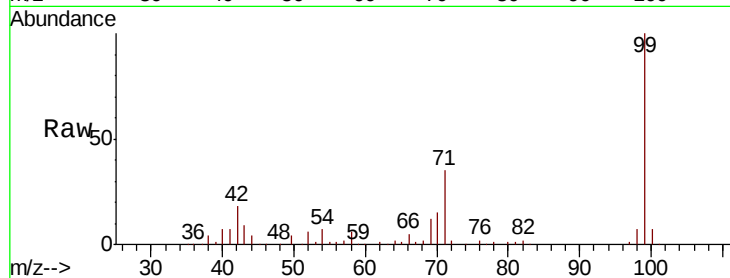
Tgt Ion: 99 Resp: 130842

Ion Ratio Lower Upper

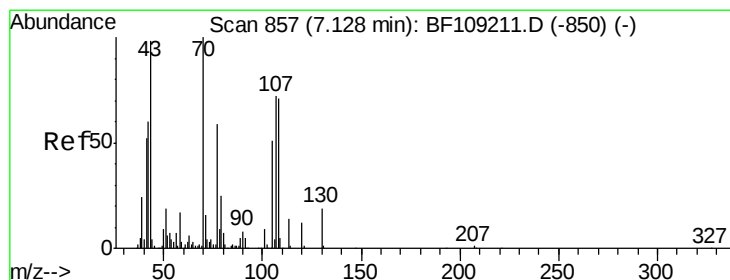
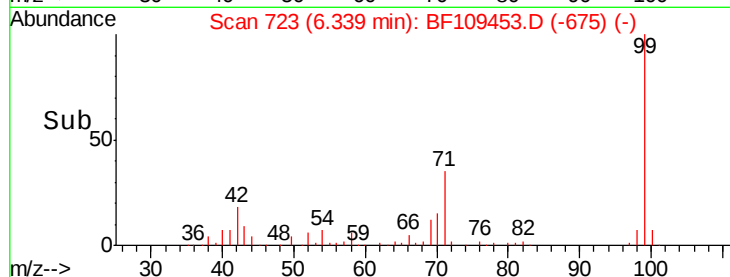
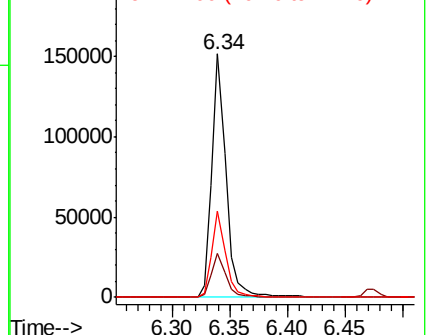
99 100

42 17.9 14.5 21.7

71 35.3 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: 8.211 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.12 min

Lab File: BF109453.D

Acq: 29 Sep 2018 2:27

Tgt Ion: 70 Resp: 44097

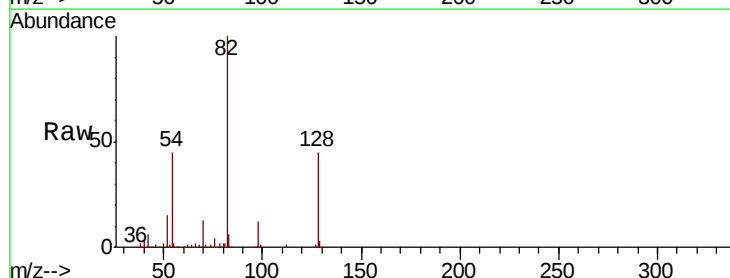
Ion Ratio Lower Upper

70 100

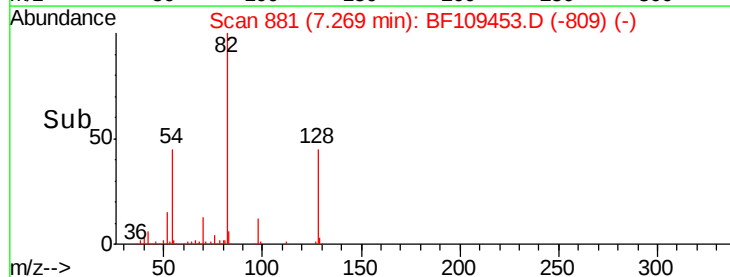
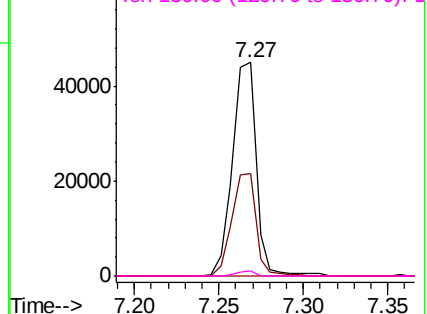
42 47.7 47.5 71.3

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: 7.99 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF109453.D

Acq: 29 Sep 2018 2:27

Instrument :

BNA_F

ClientSampleId :

FOUNDATION-CONTAINMENT-A

Tgt Ion:136 Resp: 401620

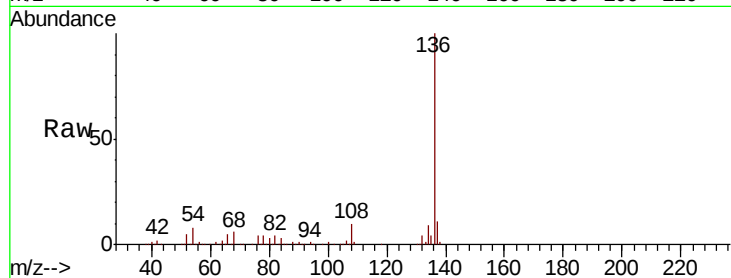
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.6 6.6 9.8

68 5.9 5.0 7.4

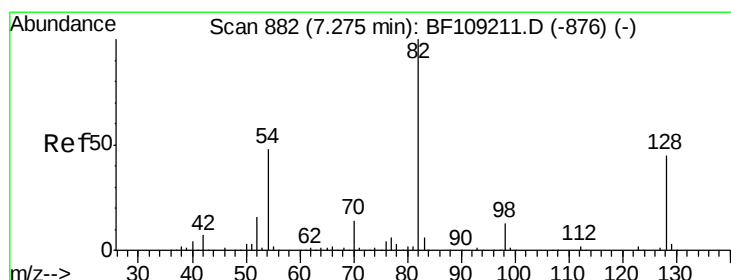
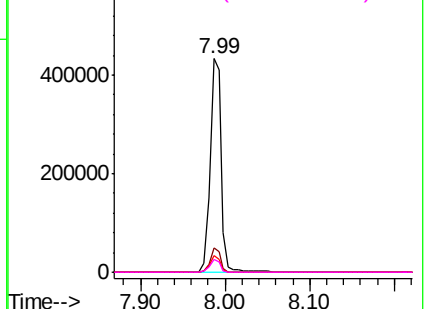
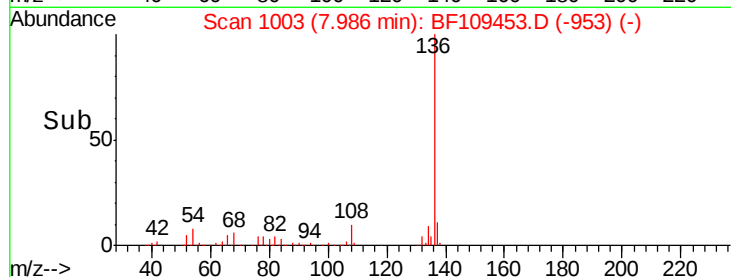


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 48.098 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF109453.D

Acq: 29 Sep 2018 2:27

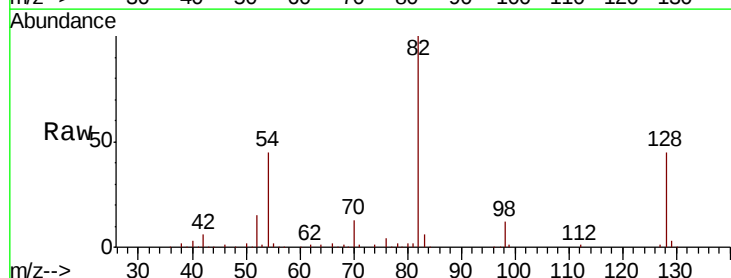
Tgt Ion: 82 Resp: 327237

Ion Ratio Lower Upper

82 100

128 45.3 36.1 54.1

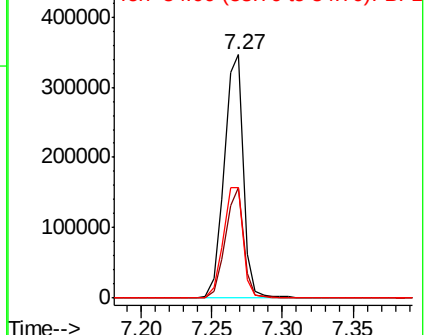
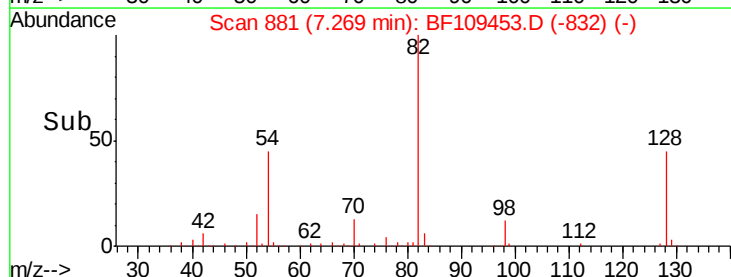
54 45.3 41.4 62.2

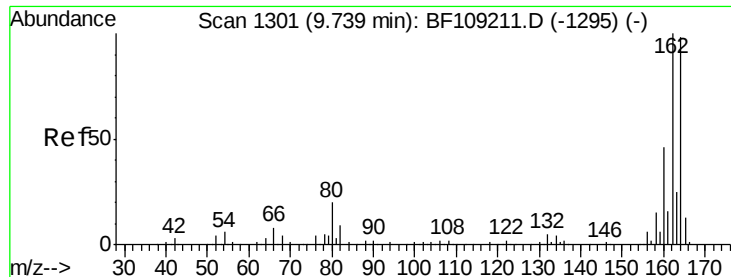


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

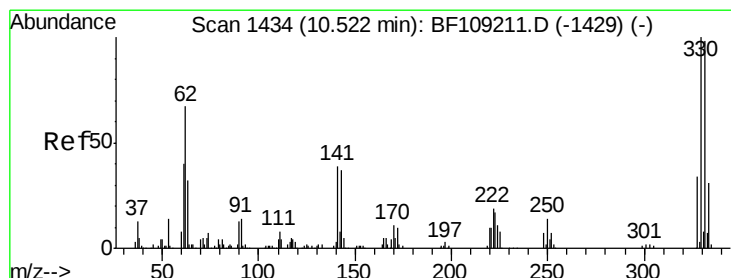
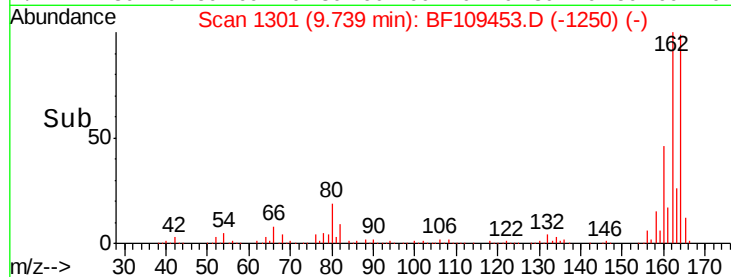
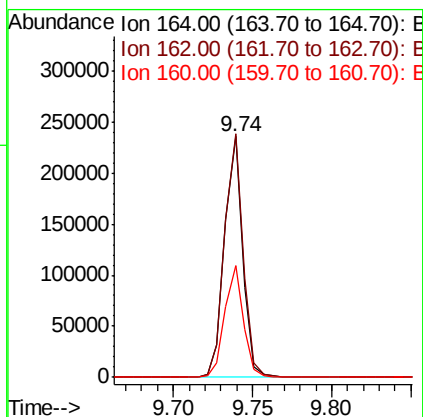
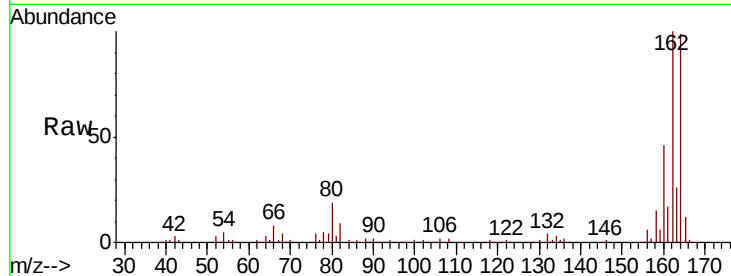




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: BF109453.D
 Acq: 29 Sep 2018 2:27

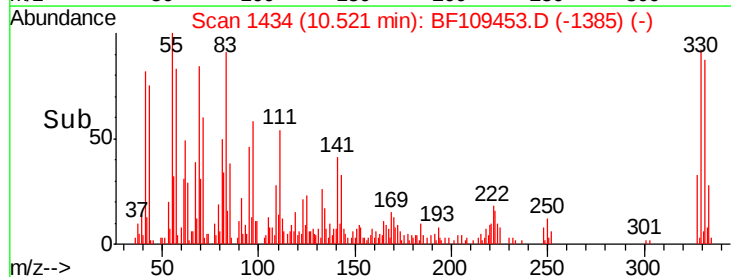
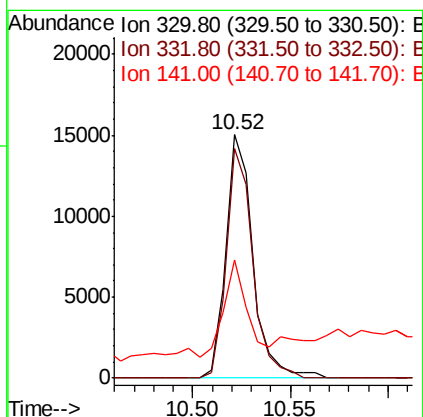
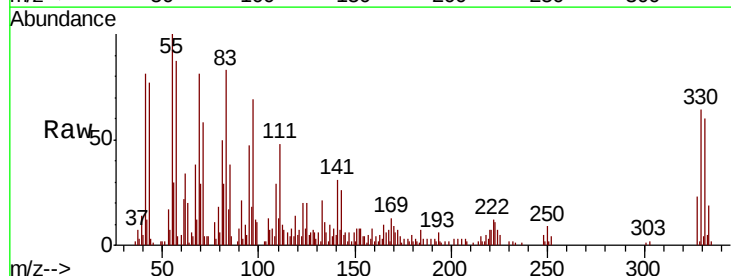
Instrument :
 BNA_F
 ClientSampleId :
 FOUNDATION-CONTAINMENT-A

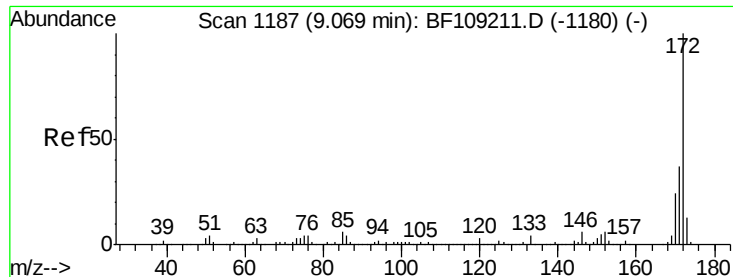
Tgt Ion:164 Resp: 187360
 Ion Ratio Lower Upper
 164 100
 162 101.0 86.1 129.1
 160 46.5 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 7.819 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109453.D
 Acq: 29 Sep 2018 2:27

Tgt Ion:330 Resp: 14442
 Ion Ratio Lower Upper
 330 100
 332 92.1 77.0 115.6
 141 34.2 29.9 44.9

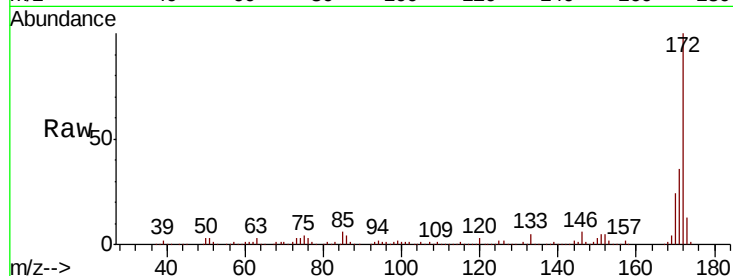




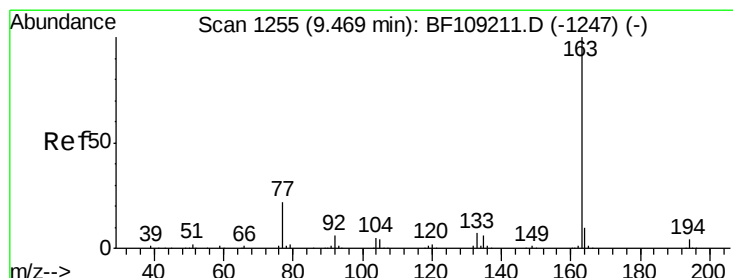
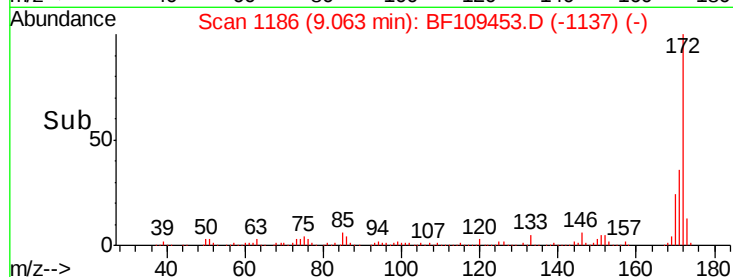
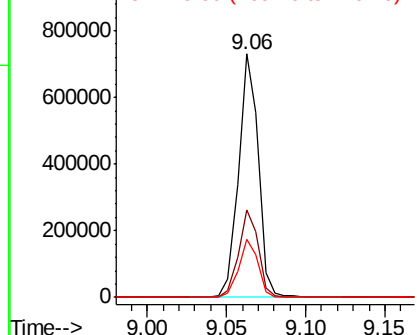
#44
2-Fluorobiphenyl
Concen: 50.873 ng
RT: 9.06 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BF109453.D
Acq: 29 Sep 2018 2:27

Instrument :
BNA_F
ClientSampleId :
FOUNDATION-CONTAINMENT-A

Tgt Ion:172 Resp: 631992
Ion Ratio Lower Upper
172 100
171 35.9 29.7 44.5
170 24.0 19.6 29.4

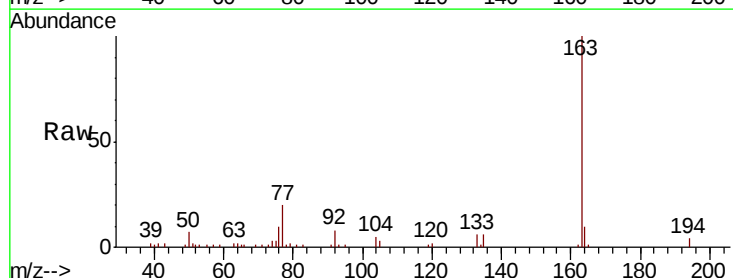


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

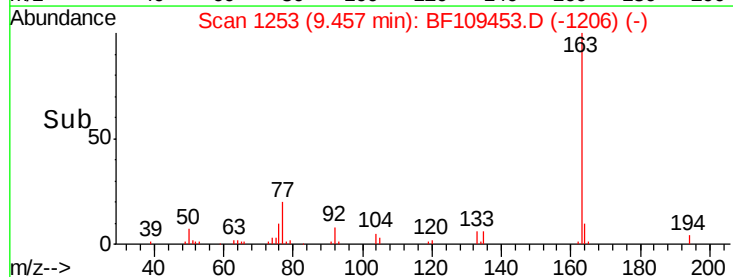
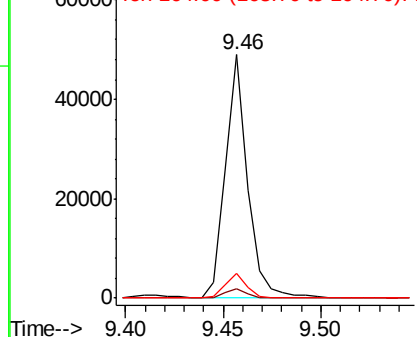


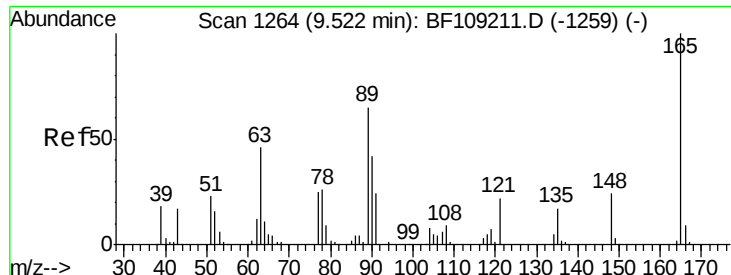
#49
Dimethylphthalate
Concen: 2.829 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109453.D
Acq: 29 Sep 2018 2:27

Tgt Ion:163 Resp: 38549
Ion Ratio Lower Upper
163 100
194 4.1 2.7 4.1#
164 10.0 8.2 12.2



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

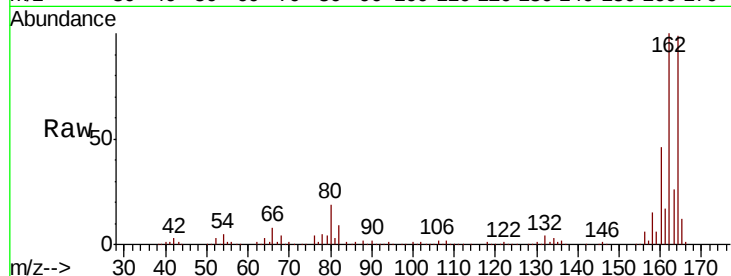




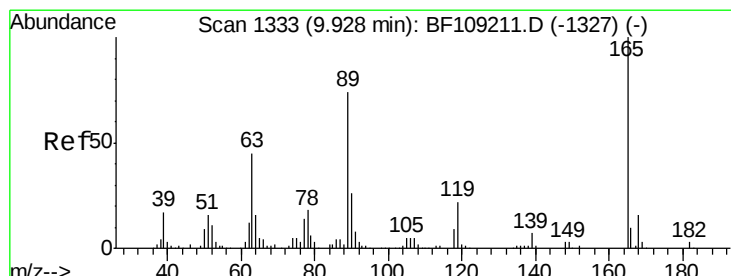
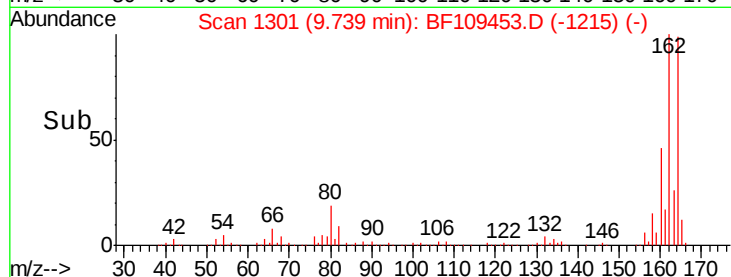
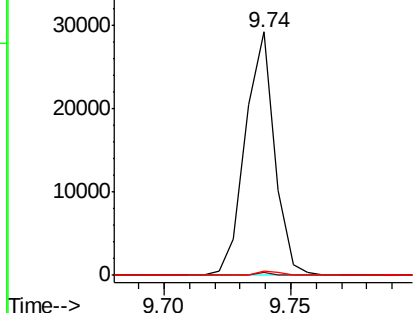
#50
 2,6-Dinitrotoluene
 Concen: 8.725 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. 0.21 min
 Lab File: BF109453.D
 Acq: 29 Sep 2018 2:27

Instrument :
 BNA_F
 ClientSampleId :
 FOUNDATION-CONTAINMENT-A

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.9	44.0	66.0#

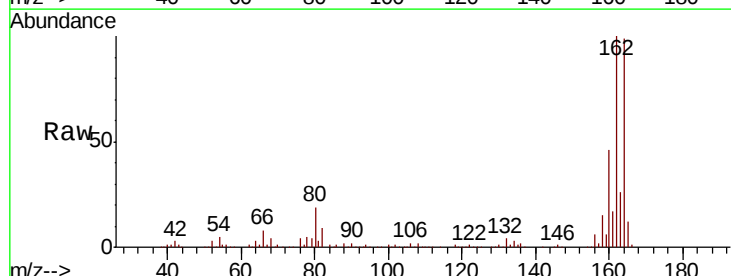


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

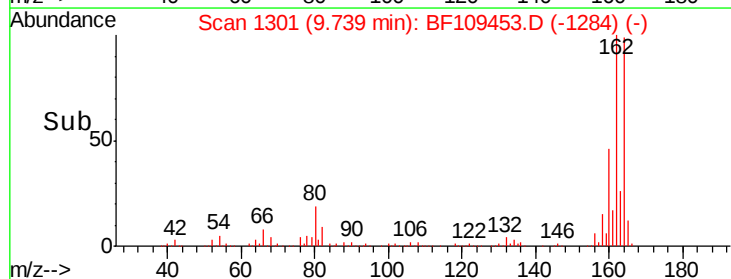
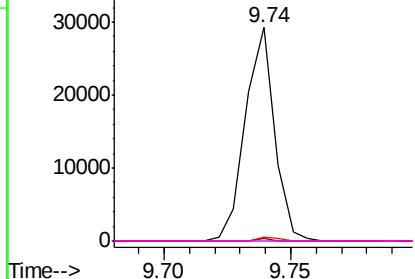


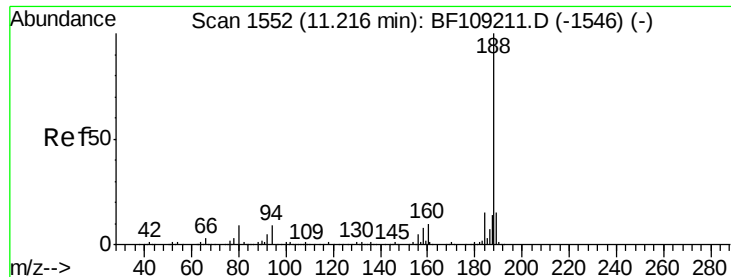
#56
 2,4-Dinitrotoluene
 Concen: 6.896 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. -0.20 min
 Lab File: BF109453.D
 Acq: 29 Sep 2018 2:27

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.9	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: 11.22 min Scan# 1553

Delta R.T. 0.01 min

Lab File: BF109453.D

Acq: 29 Sep 2018 2:27

Instrument :

BNA_F

ClientSampleId :

FOUNDATION-CONTAINMENT-A

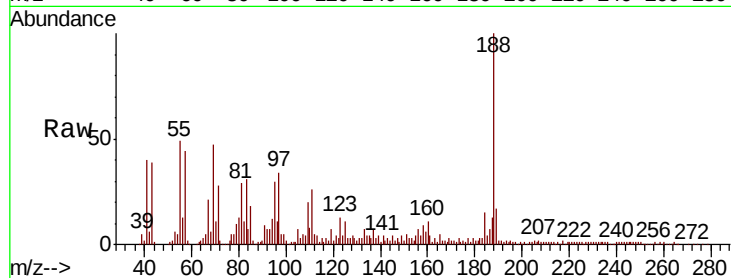
Tgt Ion:188 Resp: 244508

Ion Ratio Lower Upper

188 100

94 12.2 8.5 12.7

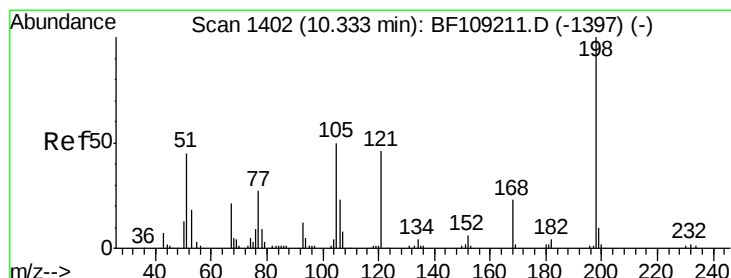
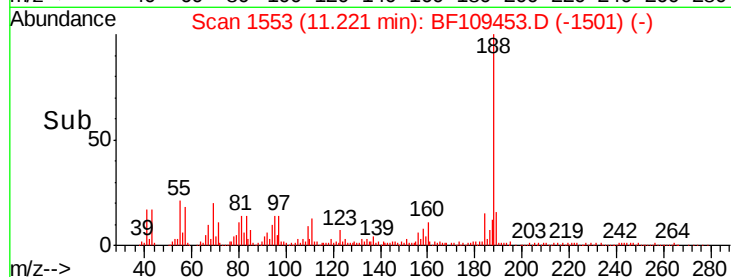
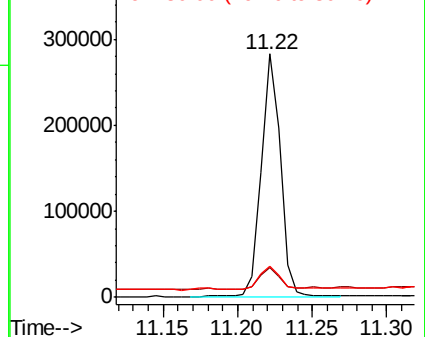
80 13.0 9.2 13.8



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: 6.745 ng

RT: 10.49 min Scan# 1428

Delta R.T. 0.14 min

Lab File: BF109453.D

Acq: 29 Sep 2018 2:27

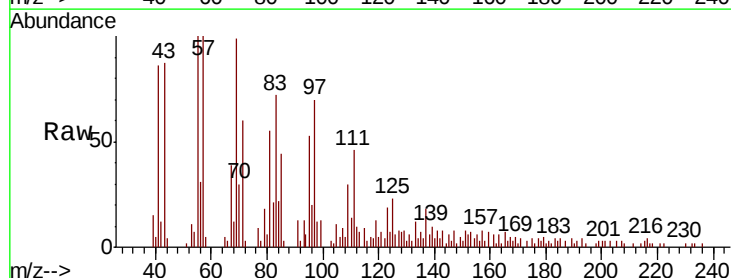
Tgt Ion:198 Resp: 255

Ion Ratio Lower Upper

198 100

51 108.7 37.7 77.7#

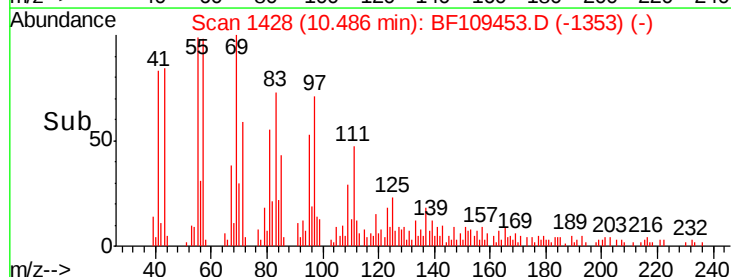
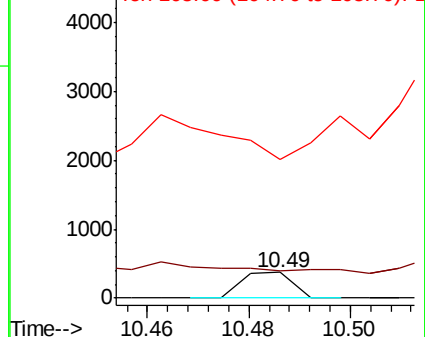
105 547.7 36.3 76.3#

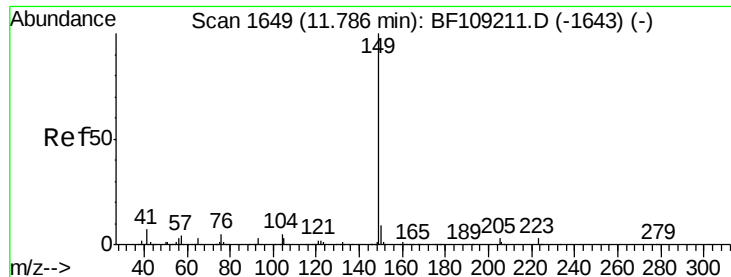


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#73

Di-n-butylphthalate

Concen: 2.312 ng

RT: 11.79 min Scan# 1649

Delta R.T. -0.00 min

Lab File: BF109453.D

Acq: 29 Sep 2018 2:27

Instrument :

BNA_F

ClientSampleId :

FOUNDATION-CONTAINMENT-A

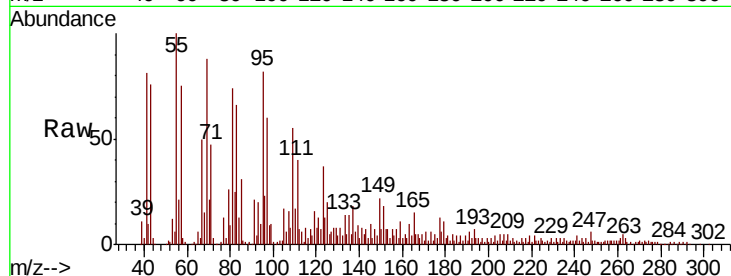
Tgt Ion:149 Resp: 32792

Ion Ratio Lower Upper

149 100

150 33.5 7.8 11.6#

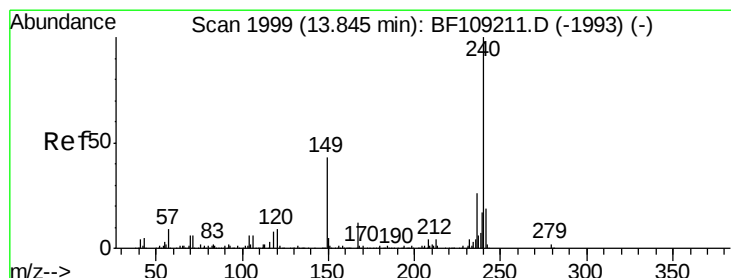
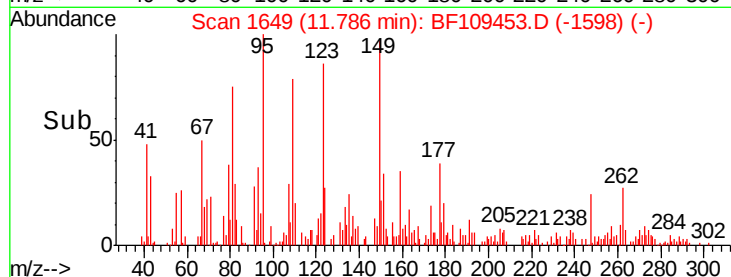
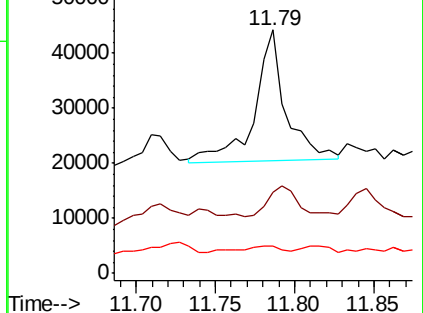
104 11.0 3.8 5.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.85 min Scan# 2000

Delta R.T. 0.01 min

Lab File: BF109453.D

Acq: 29 Sep 2018 2:27

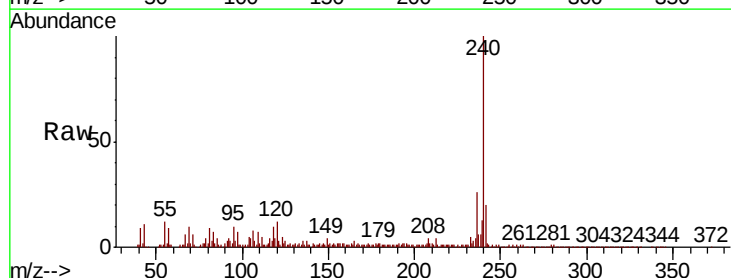
Tgt Ion:240 Resp: 179284

Ion Ratio Lower Upper

240 100

120 11.6 9.5 14.3

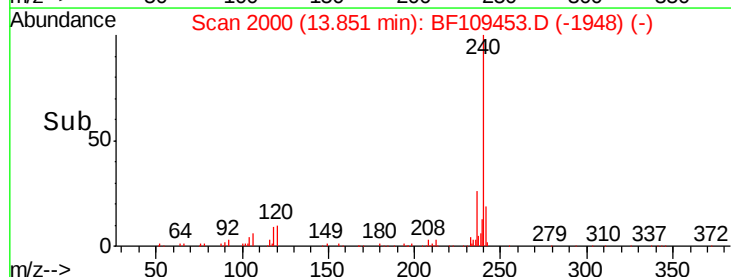
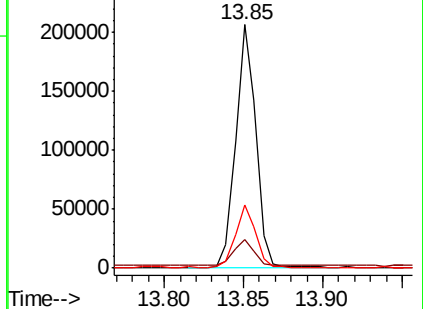
236 26.0 20.7 31.1

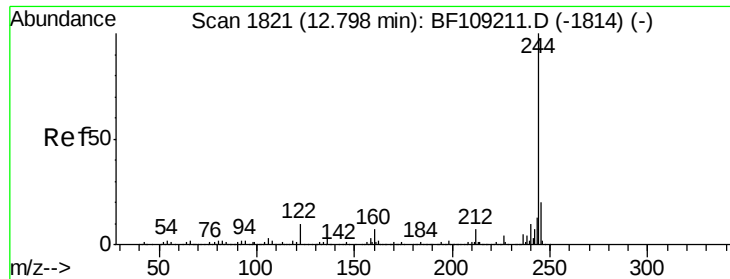


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 46.906 ng

RT: 12.82 min Scan# 1824

Delta R.T. 0.01 min

Lab File: BF109453.D

Acq: 29 Sep 2018 2:27

Instrument :

BNA_F

ClientSampleId :

FOUNDATION-CONTAINMENT-A

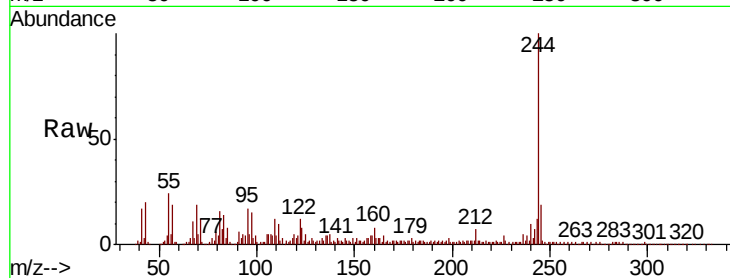
Tgt Ion:244 Resp: 342661

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

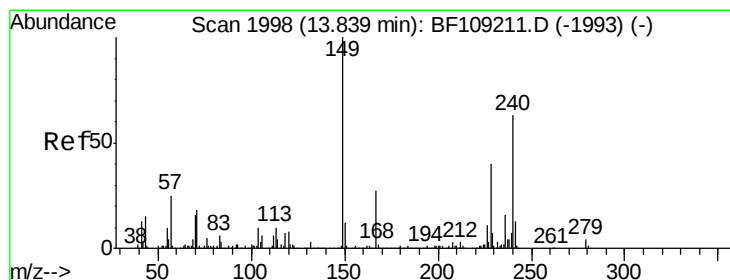
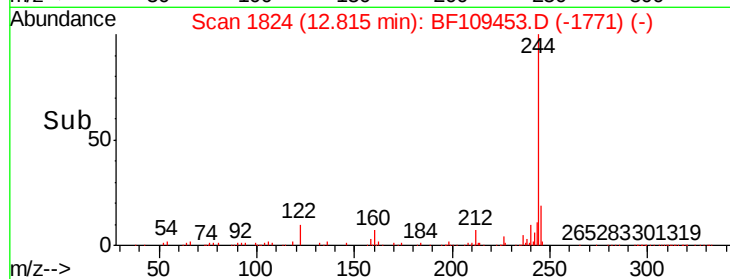
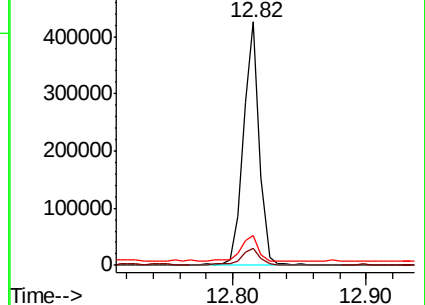
122 12.2 11.0 16.4



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 4.189 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.00 min

Lab File: BF109453.D

Acq: 29 Sep 2018 2:27

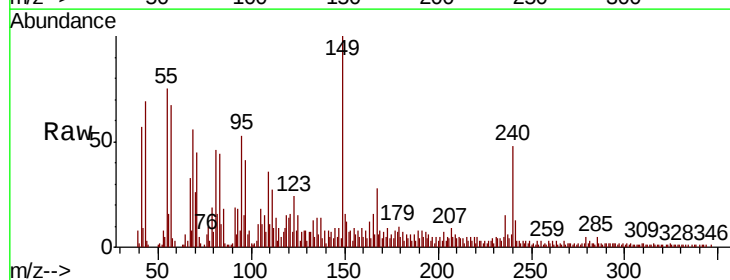
Tgt Ion:149 Resp: 28879

Ion Ratio Lower Upper

149 100

167 28.4 21.3 31.9

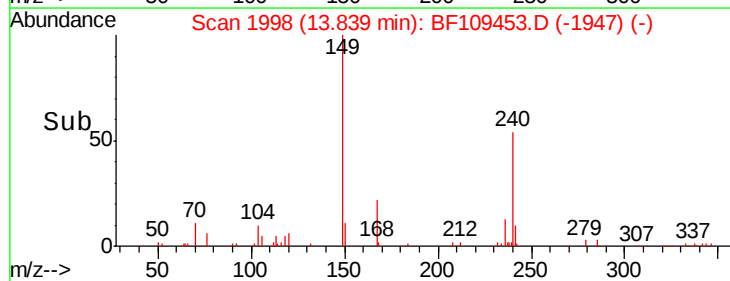
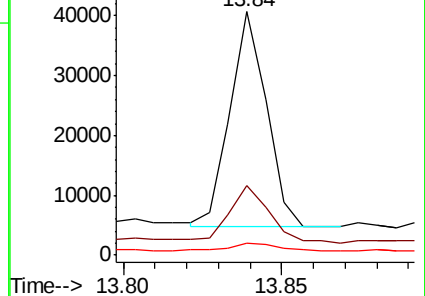
279 4.7 3.0 4.4#

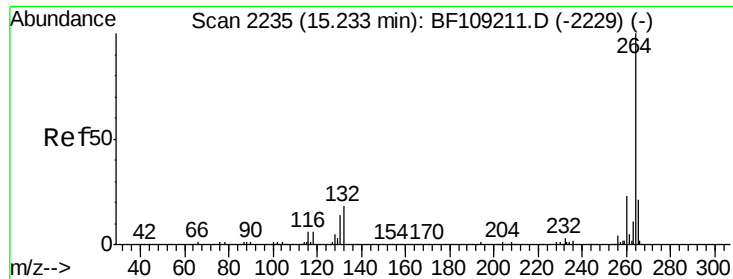


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

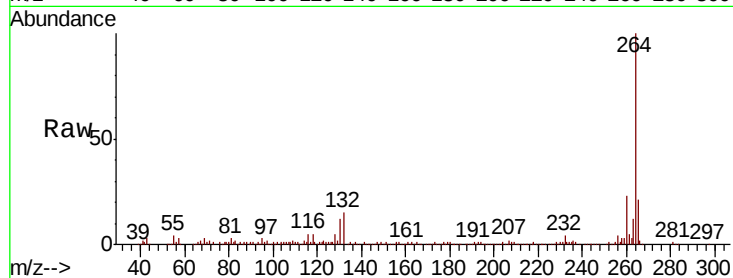




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.25 min Scan# 2238
Delta R.T. 0.01 min
Lab File: BF109453.D
Acq: 29 Sep 2018 2:27

Instrument :
BNA_F
ClientSampleId :
FOUNDATION-CONTAINMENT-A

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.5	17.5	26.3



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

