

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022218\
 Data File : BF103168.D
 Acq On : 22 Feb 2018 17:56
 Operator : SJ/JU
 Sample : J1639-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1-1-2-DENSE-GRADE-AGG-RCA

Quant Time: Feb 23 02:11:04 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 22 14:52:42 2018
 Response via : Initial Calibration

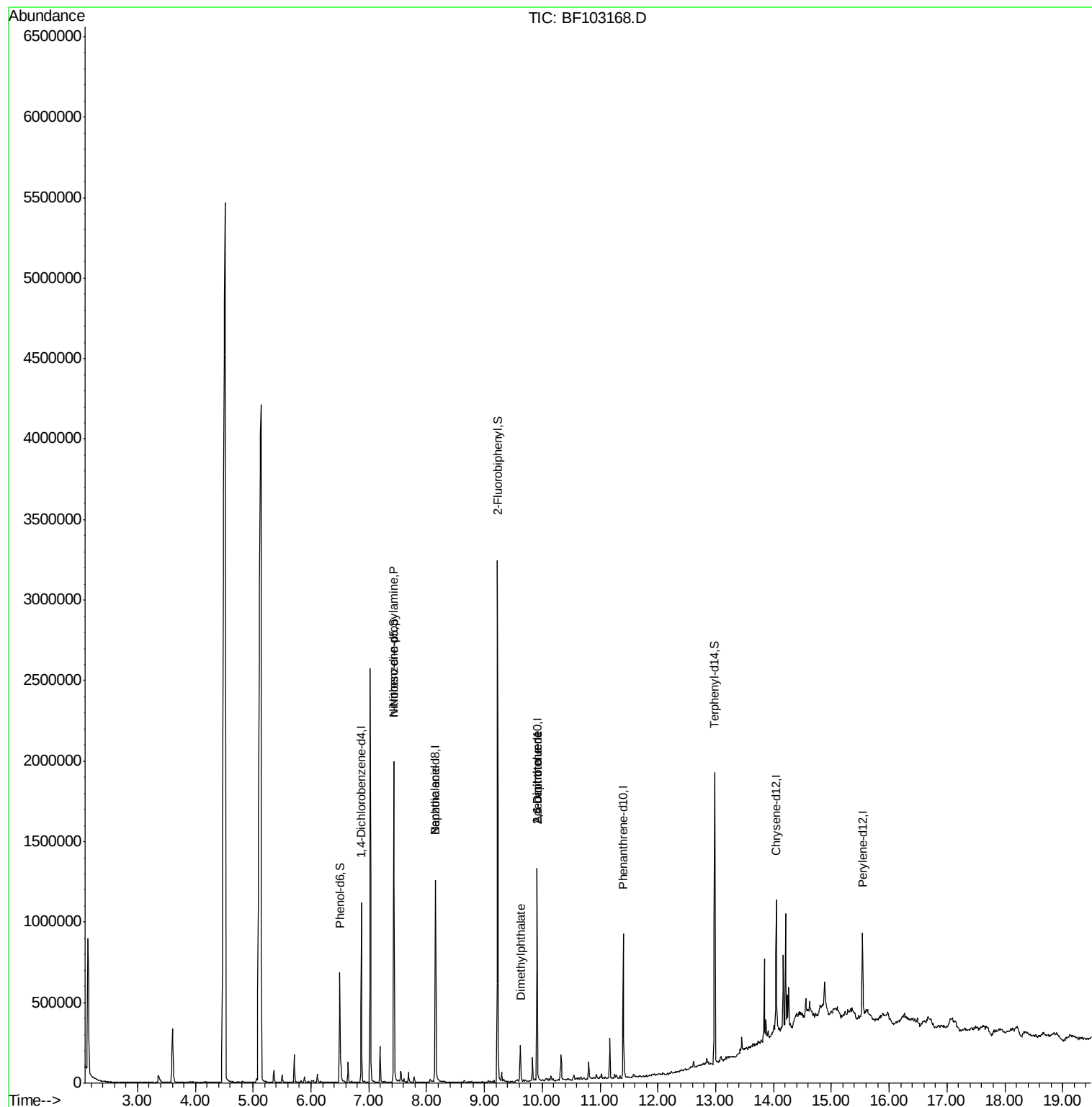
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	154812	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	620871	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	241406	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	324353	20.00	ng	0.00
75) Chrysene-d12	14.04	240	272139	20.00	ng	0.00
86) Perylene-d12	15.54	264	237378	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	15144	1.48	ng	0.01
7) Phenol-d6	6.50	99	228336	18.23	ng	0.00
23) Nitrobenzene-d5	7.43	82	613866	56.46	ng	0.00
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	9.23	172	976349	66.00	ng	0.00
78) Terphenyl-d14	12.98	244	624489	55.16	ng	0.00
Target Compounds						
9) Benzaldehyde	6.43	77	599	Below Cal		Qvalue # 75
19) n-Nitroso-di-n-propylamine	7.43	70	79653	10.218	ng	# 83
32) Benzoic acid	8.16	122	109	6.928	ng	# 1
49) Dimethylphthalate	9.62	163	85094	4.394	ng	# 99
50) 2,6-Dinitrotoluene	9.91	165	31010	7.630	ng	# 26
56) 2,4-Dinitrotoluene	9.91	165	31010	6.033	ng	# 23

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

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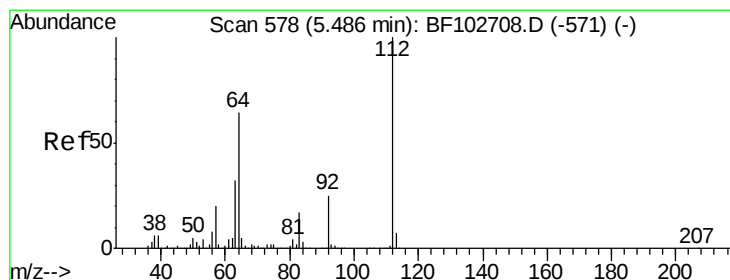
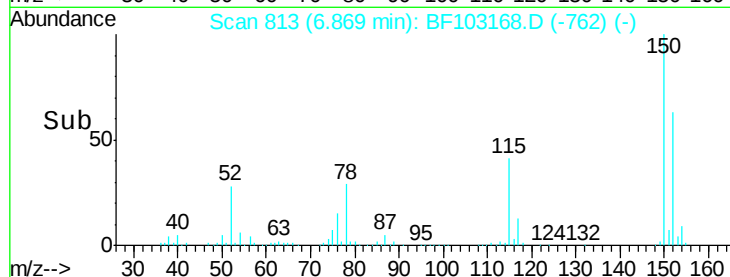
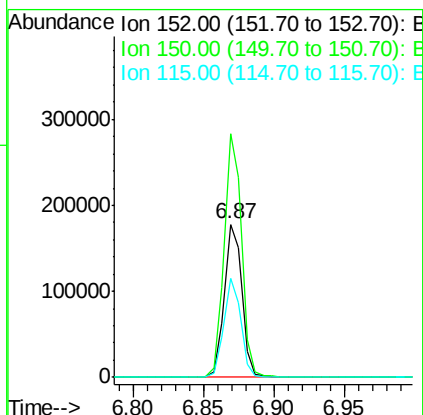
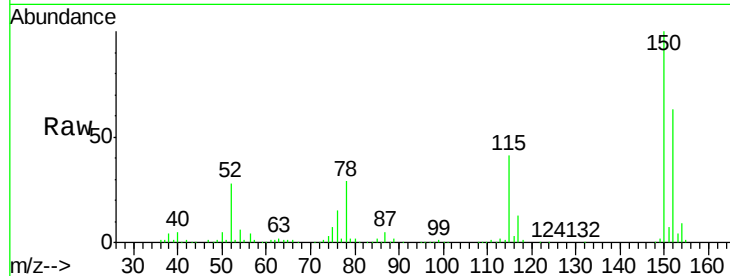


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF103168.D
Acq: 22 Feb 2018 17:56

Instrument :
BNA_F
ClientSampleId :
1-1-2-DENSE-GRADE-AGG-RCA

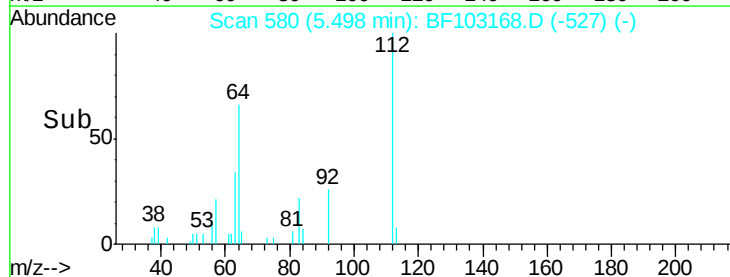
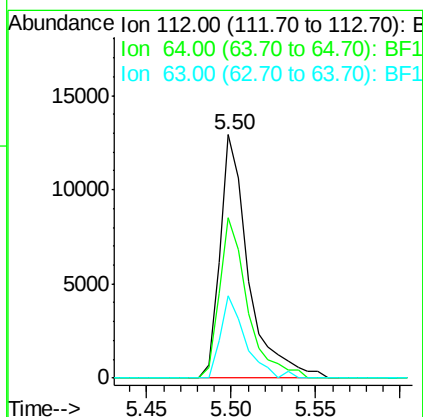
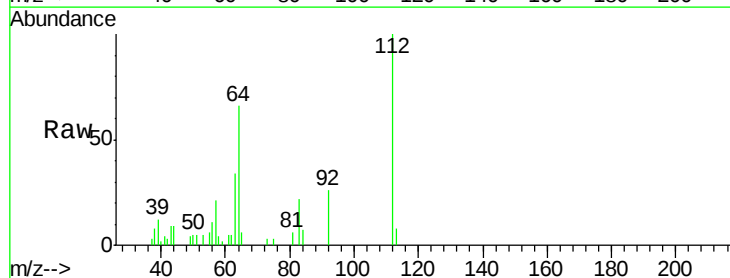
Tot Ion:152 Resp: 154812
Ion Ratio Lower Upper
152 100
150 159.3 124.6 186.8
115 64.7 50.1 75.1

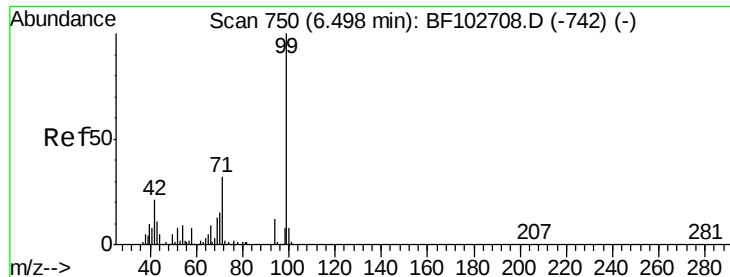


#5

2-Fluorophenol
Concen: 1.479 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103168.D
Acq: 22 Feb 2018 17:56

Tgt Ion:112 Resp: 15144
Ion Ratio Lower Upper
112 100
64 66.1 47.9 71.9
63 33.6 23.7 35.5





#7

Phenol-d6

Concen: 18.230 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF103168.D

Acq: 22 Feb 2018 17:56

Instrument :

BNA_F

ClientSampleId :

1-1-2-DENSE-GRADE-AGG-RCA

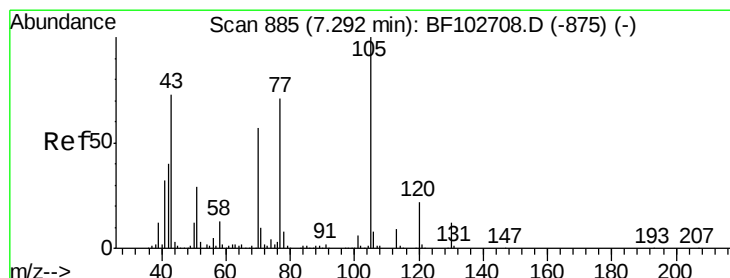
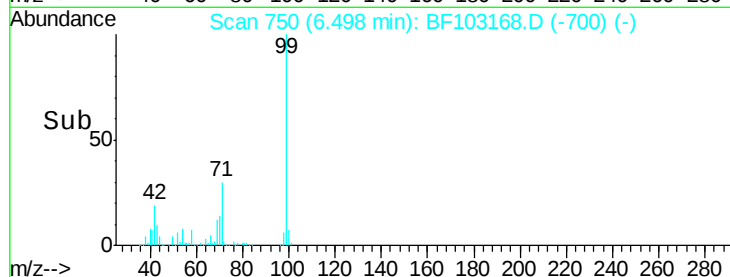
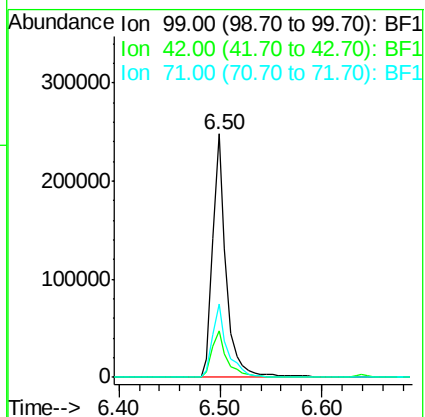
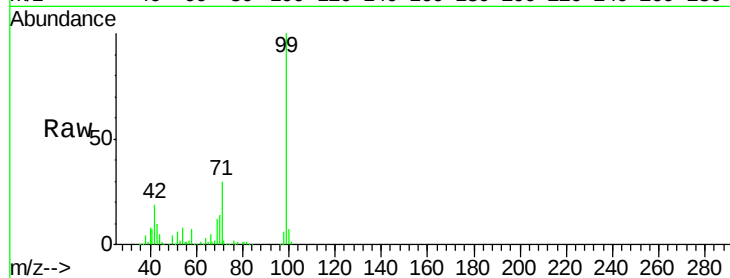
Tot Ion: 99 Resp: 228336

Ion Ratio Lower Upper

99 100

42 19.2 14.5 21.7

71 29.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 10.218 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.15 min

Lab File: BF103168.D

Acq: 22 Feb 2018 17:56

Tgt Ion: 70 Resp: 79653

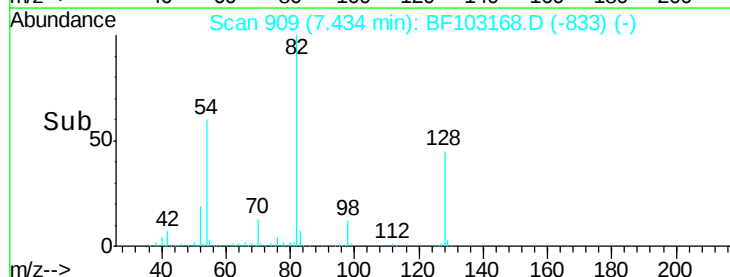
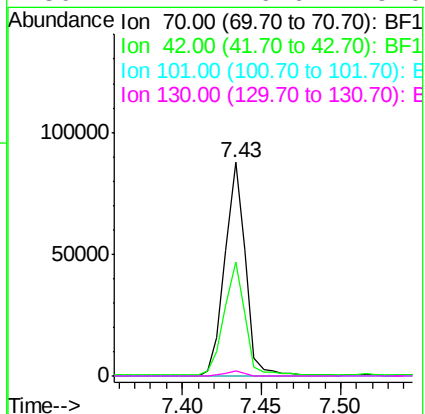
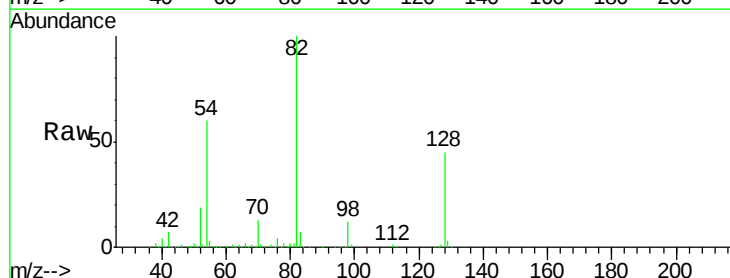
Ion Ratio Lower Upper

70 100

42 53.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF103168.D

Acq: 22 Feb 2018 17:56

Instrument :

BNA_F

ClientSampleId :

1-1-2-DENSE-GRADE-AGG-RCA

Tot Ion:136 Resp: 620871

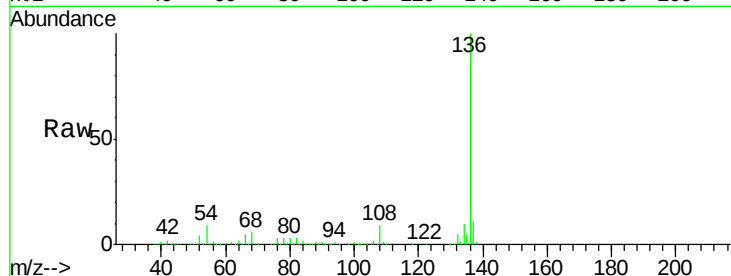
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 8.5 6.6 9.8

68 6.1 5.0 7.4

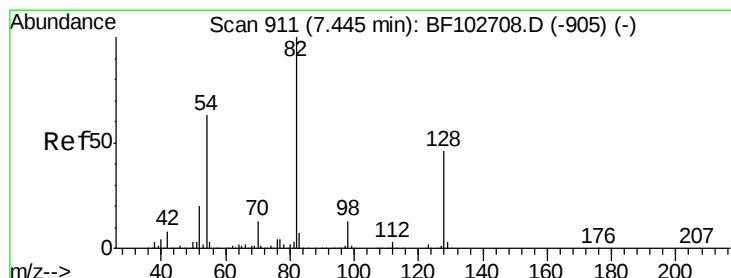
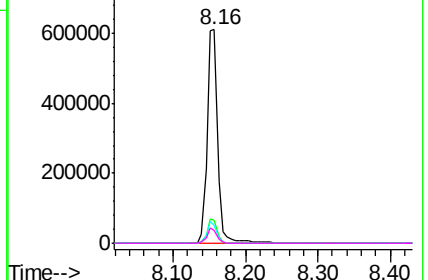
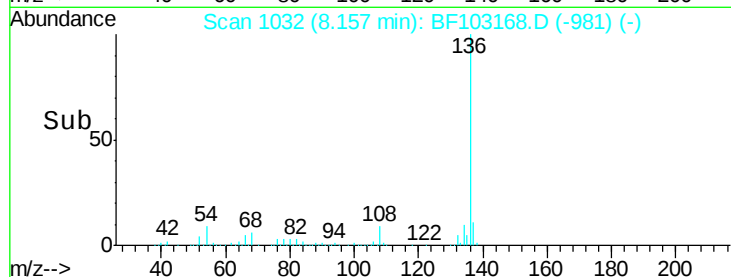


Abundance Ion 136.00 (135.70 to 136.70): E

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: 56.464 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF103168.D

Acq: 22 Feb 2018 17:56

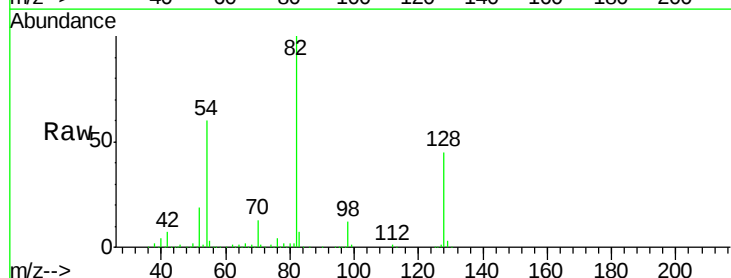
Tgt Ion: 82 Resp: 613866

Ion Ratio Lower Upper

82 100

128 45.5 36.1 54.1

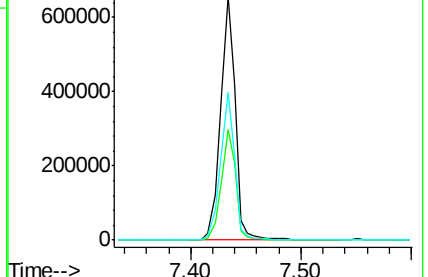
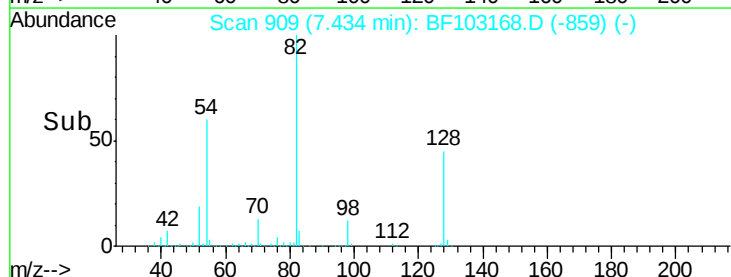
54 60.4 41.4 62.2

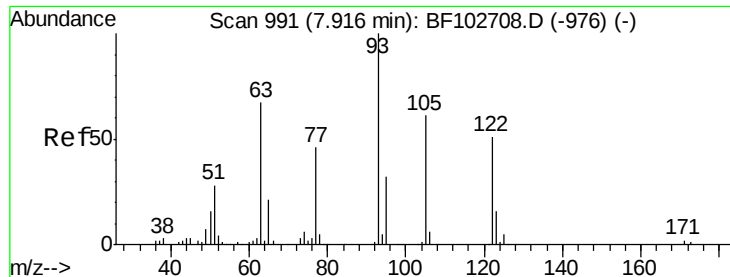


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#32

Benzoic acid

Concen: 6.928 ng

RT: 8.16 min Scan# 1032

Delta R.T. 0.22 min

Lab File: BF103168.D

Acq: 22 Feb 2018 17:56

Instrument :

BNA_F

ClientSampleId :

1-1-2-DENSE-GRADE-AGG-RCA

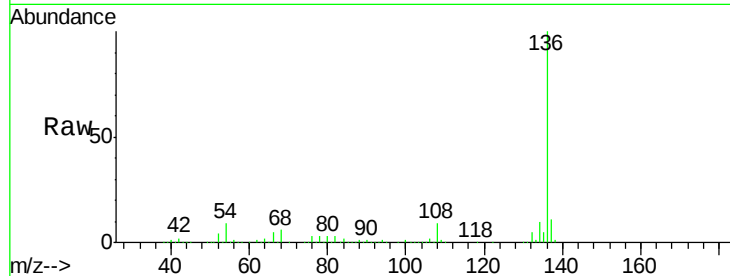
Tot Ion:122 Resp: 109

Ion Ratio Lower Upper

122 100

105 131.7 101.1 141.1

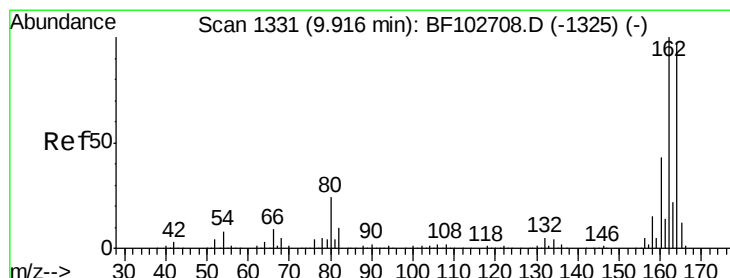
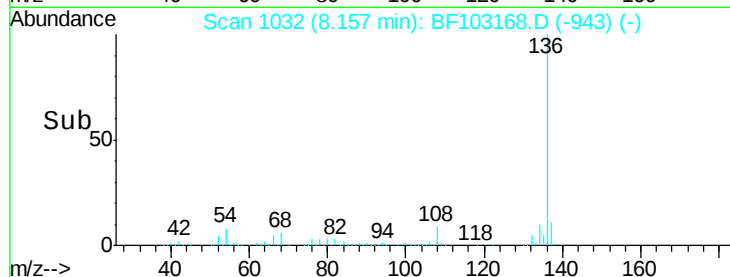
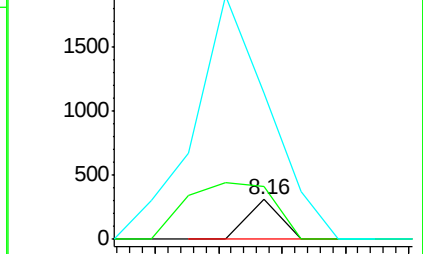
77 368.3 70.7 110.7#



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): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.91 min Scan# 1330

Delta R.T. 0.00 min

Lab File: BF103168.D

Acq: 22 Feb 2018 17:56

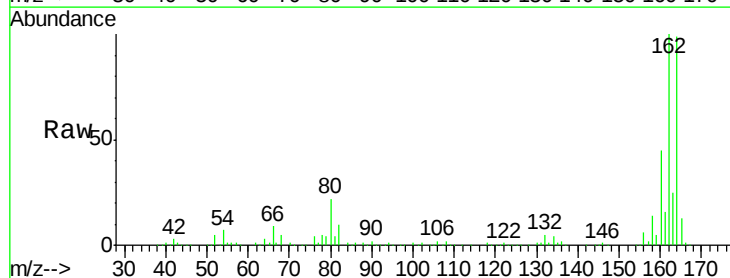
Tgt Ion:164 Resp: 241406

Ion Ratio Lower Upper

164 100

162 101.4 86.1 129.1

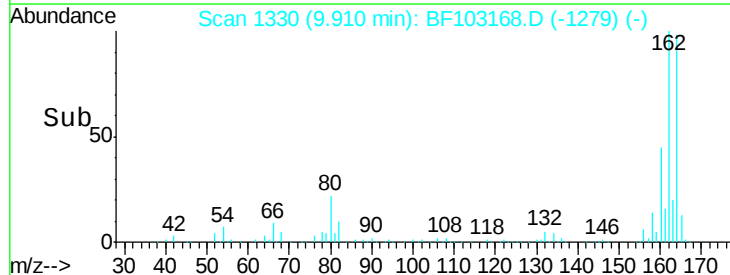
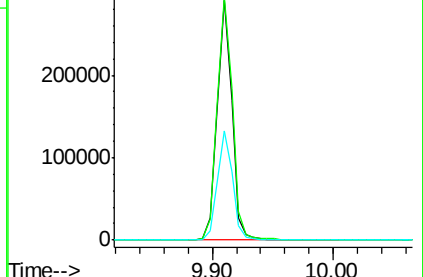
160 45.5 38.3 57.5

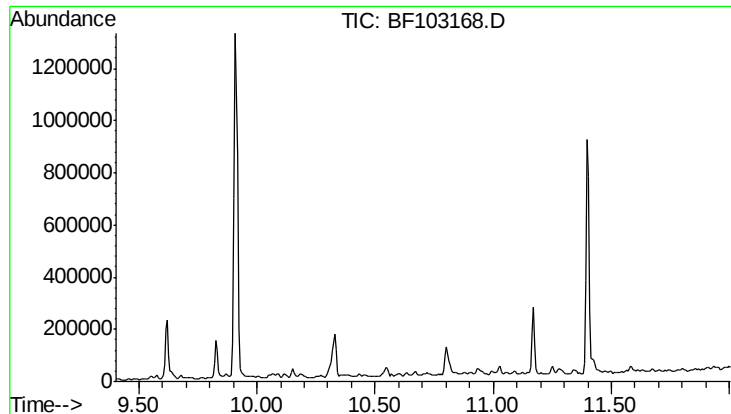


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

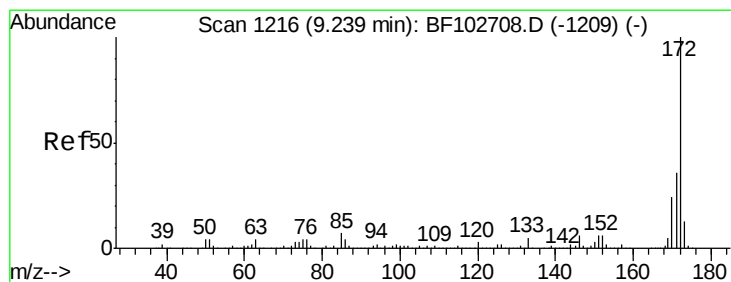
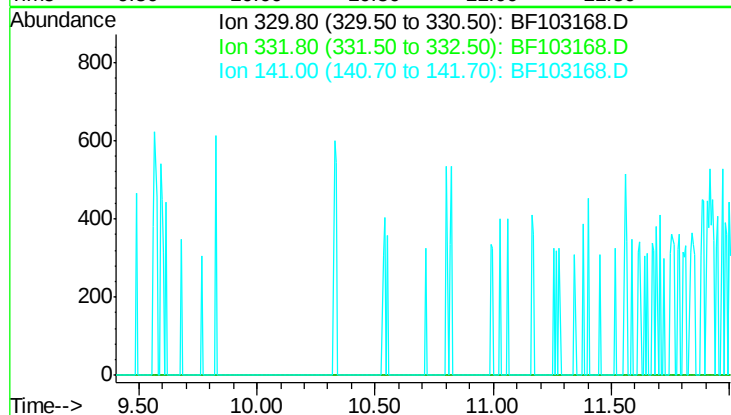




#41
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 10.70 min
 Lab File: BF103168.D
 Acq: 22 Feb 2018 17:56

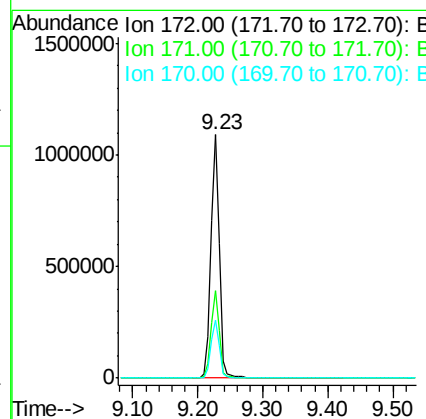
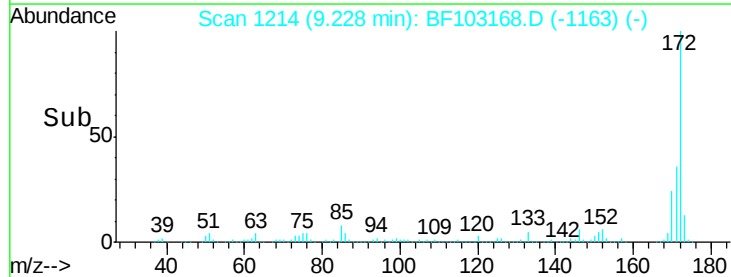
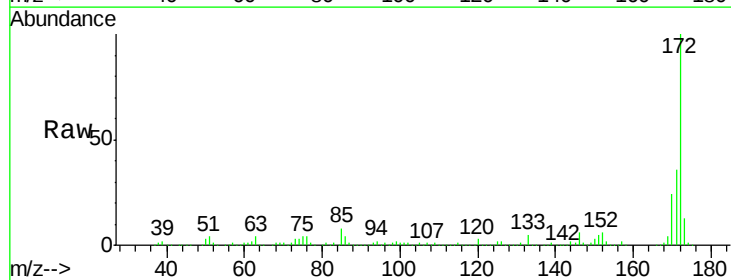
Instrument :
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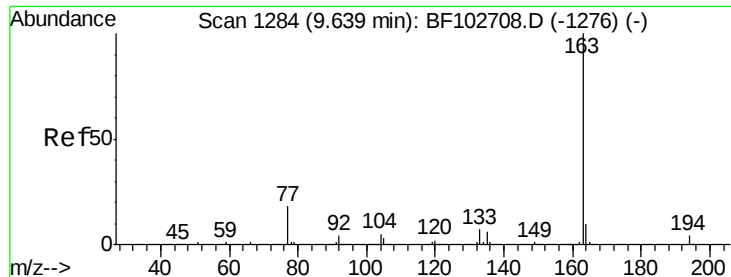
Tot Ion: 330
 Sig Exp Ratio
 330 100
 332 96.3
 141 37.4



#44
 2-Fluorobiphenyl
 Concen: 66.005 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: BF103168.D
 Acq: 22 Feb 2018 17:56

Tgt Ion: 172 Resp: 976349
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.7 44.5
 170 23.9 19.6 29.4

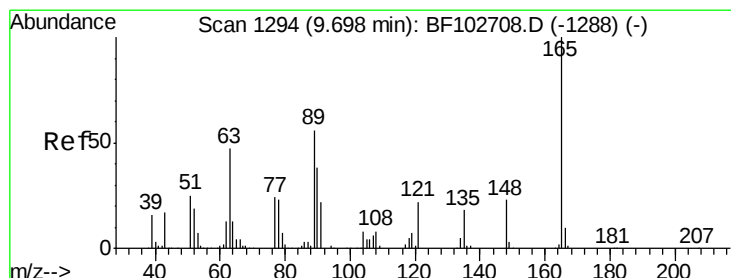
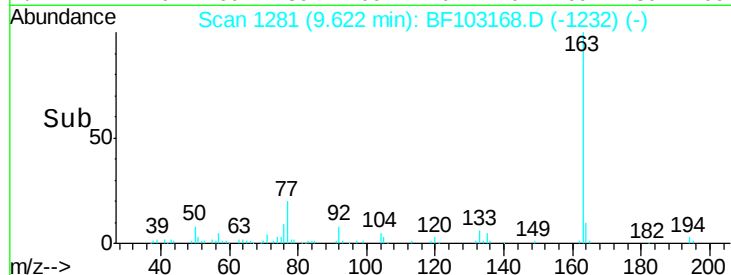
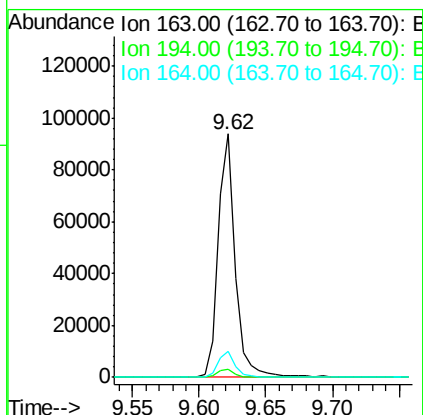
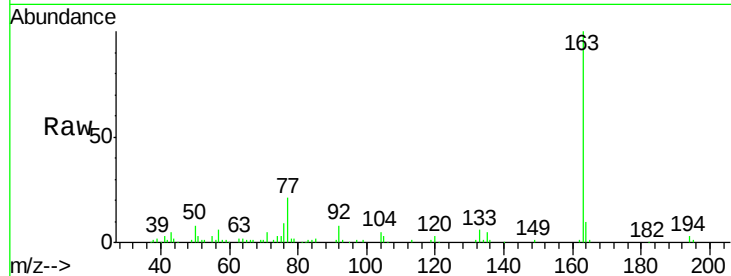




#49
Dimethylphthalate
Concen: 4.394 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF103168.D
Acq: 22 Feb 2018 17:56

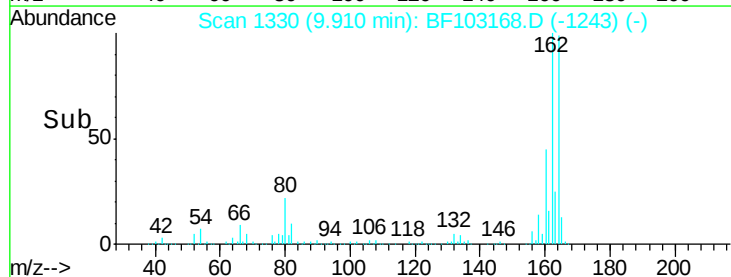
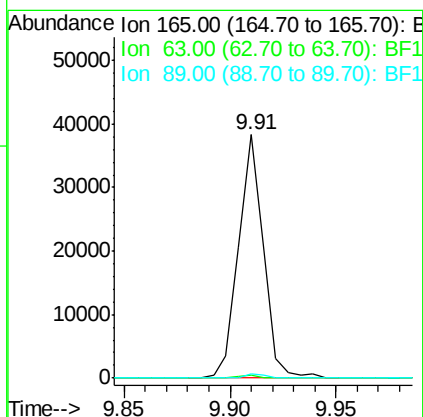
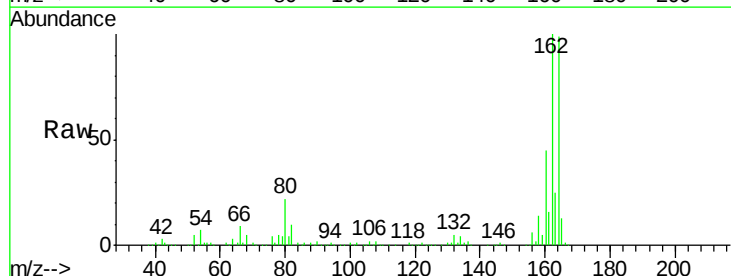
Instrument :
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1-1-2-DENSE-GRADE-AGG-RCA

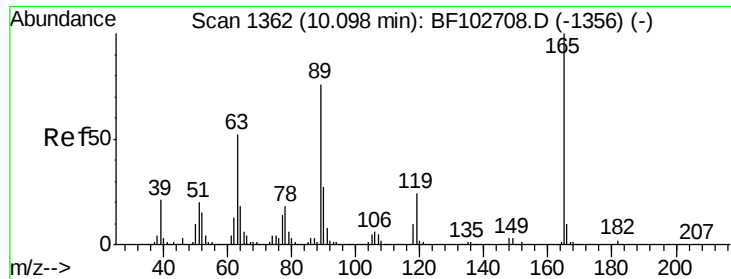
Tot Ion:163 Resp: 85094
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.4 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 7.630 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.21 min
Lab File: BF103168.D
Acq: 22 Feb 2018 17:56

Tgt Ion:165 Resp: 31010
Ion Ratio Lower Upper
165 100
63 1.3 44.7 67.1#
89 1.6 44.0 66.0#

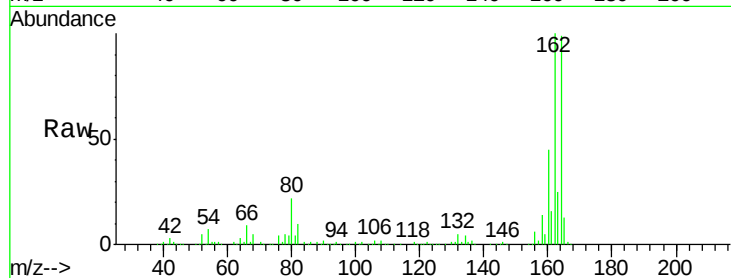




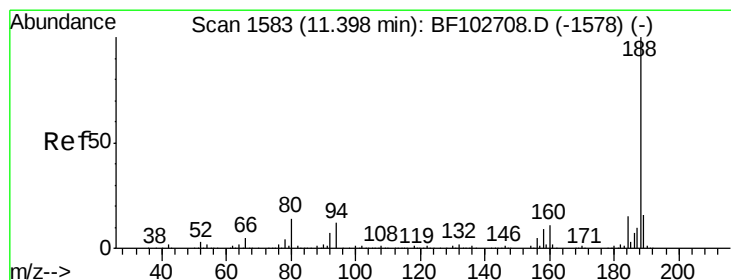
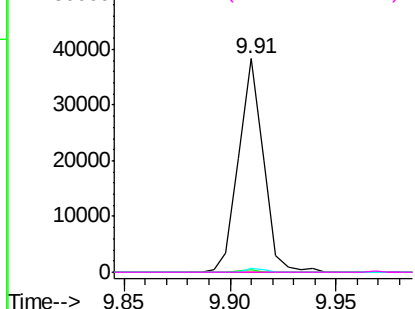
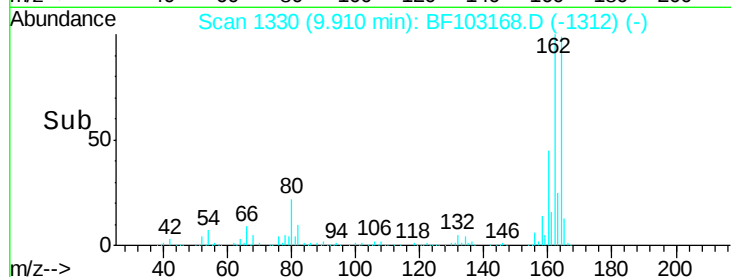
#56
 2,4-Dinitrotoluene
 Concen: 6.033 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.19 min
 Lab File: BF103168.D
 Acq: 22 Feb 2018 17:56

Instrument :
 BNA_F
 ClientSampleId :
 1-1-2-DENSE-GRADE-AGG-RCA

Tot Ion:165 Resp: 31010
 Ion Ratio Lower Upper
 165 100
 63 1.3 36.4 54.6#
 89 1.6 57.8 86.6#
 182 0.0 1.6 2.4#

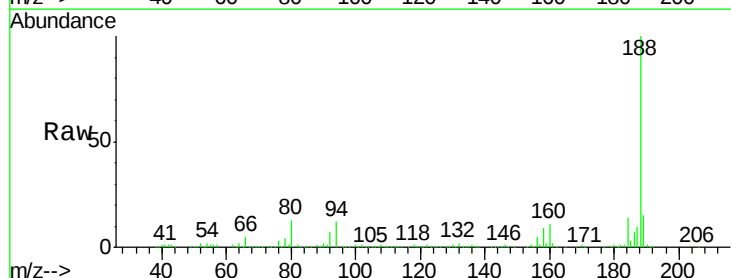


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

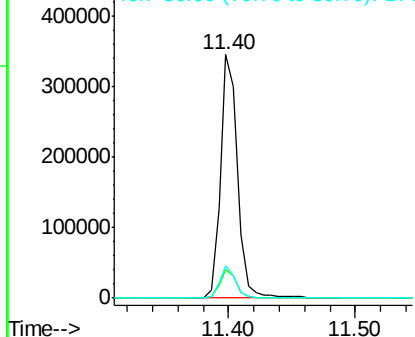
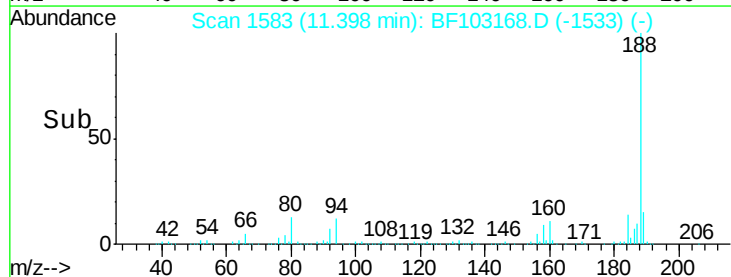


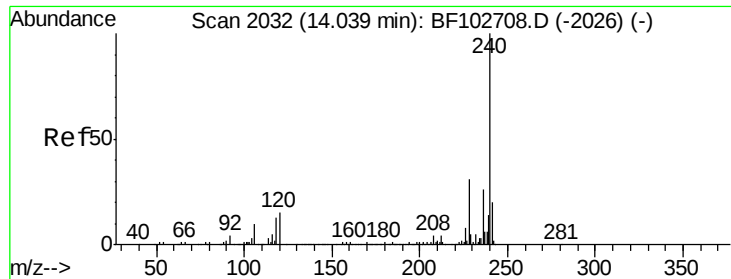
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF103168.D
 Acq: 22 Feb 2018 17:56

Tgt Ion:188 Resp: 324353
 Ion Ratio Lower Upper
 188 100
 94 11.9 8.5 12.7
 80 13.3 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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF103168.D

Acq: 22 Feb 2018 17:56

Instrument :

BNA_F

ClientSampleId :

1-1-2-DENSE-GRADE-AGG-RCA

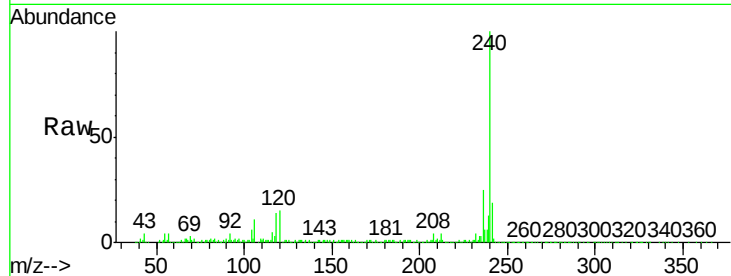
Tot Ion:240 Resp: 272139

Ion Ratio Lower Upper

240 100

120 14.9 9.5 14.3#

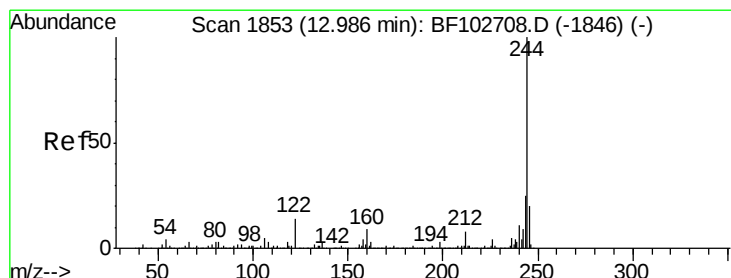
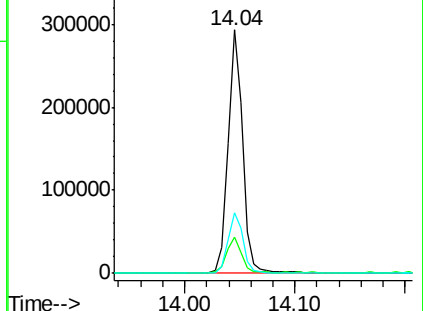
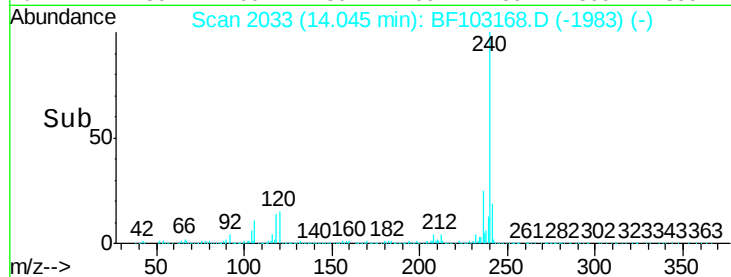
236 25.1 20.7 31.1



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: 55.163 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF103168.D

Acq: 22 Feb 2018 17:56

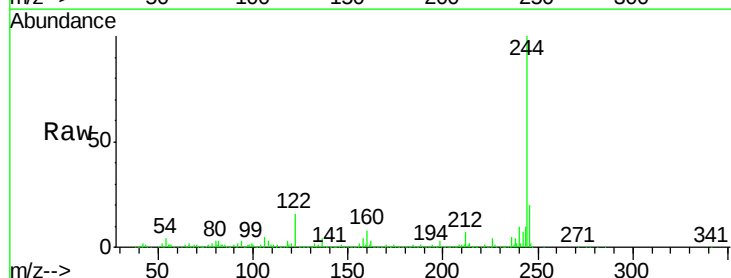
Tgt Ion:244 Resp: 624489

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

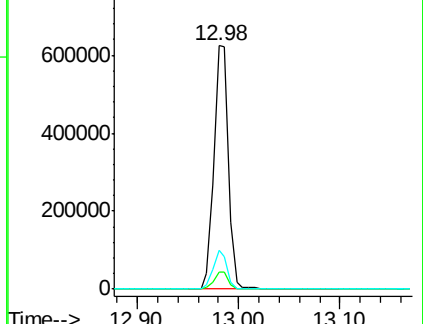
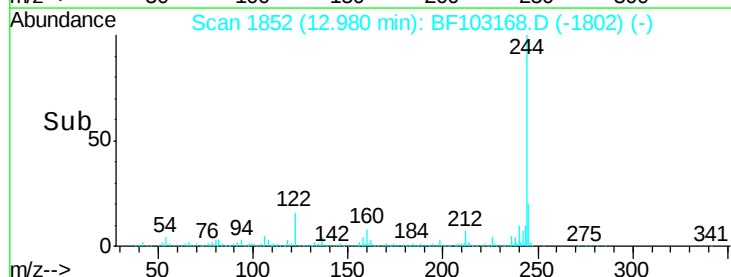
122 15.7 11.0 16.4

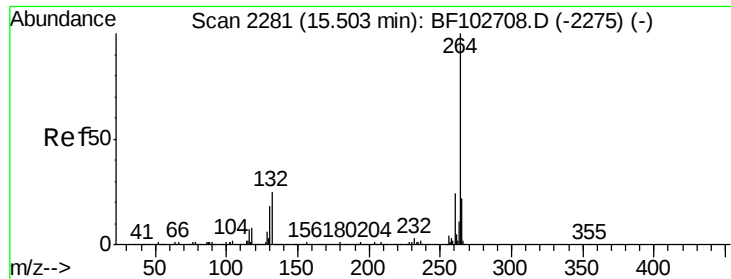


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.54 min Scan# 2287
Delta R.T. 0.00 min
Lab File: BF103168.D
Acq: 22 Feb 2018 17:56

Instrument :
BNA_F
ClientSampleId :
1-1-2-DENSE-GRADE-AGG-RCA

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.2	28.8
265	20.8	17.5	26.3

