

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF022818\
 Data File : BF103321.D
 Acq On : 1 Mar 2018 4:17
 Operator : SJ/JU
 Sample : J1705-12
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 01 05:52:37 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 27 17:05:20 2018
 Response via : Initial Calibration

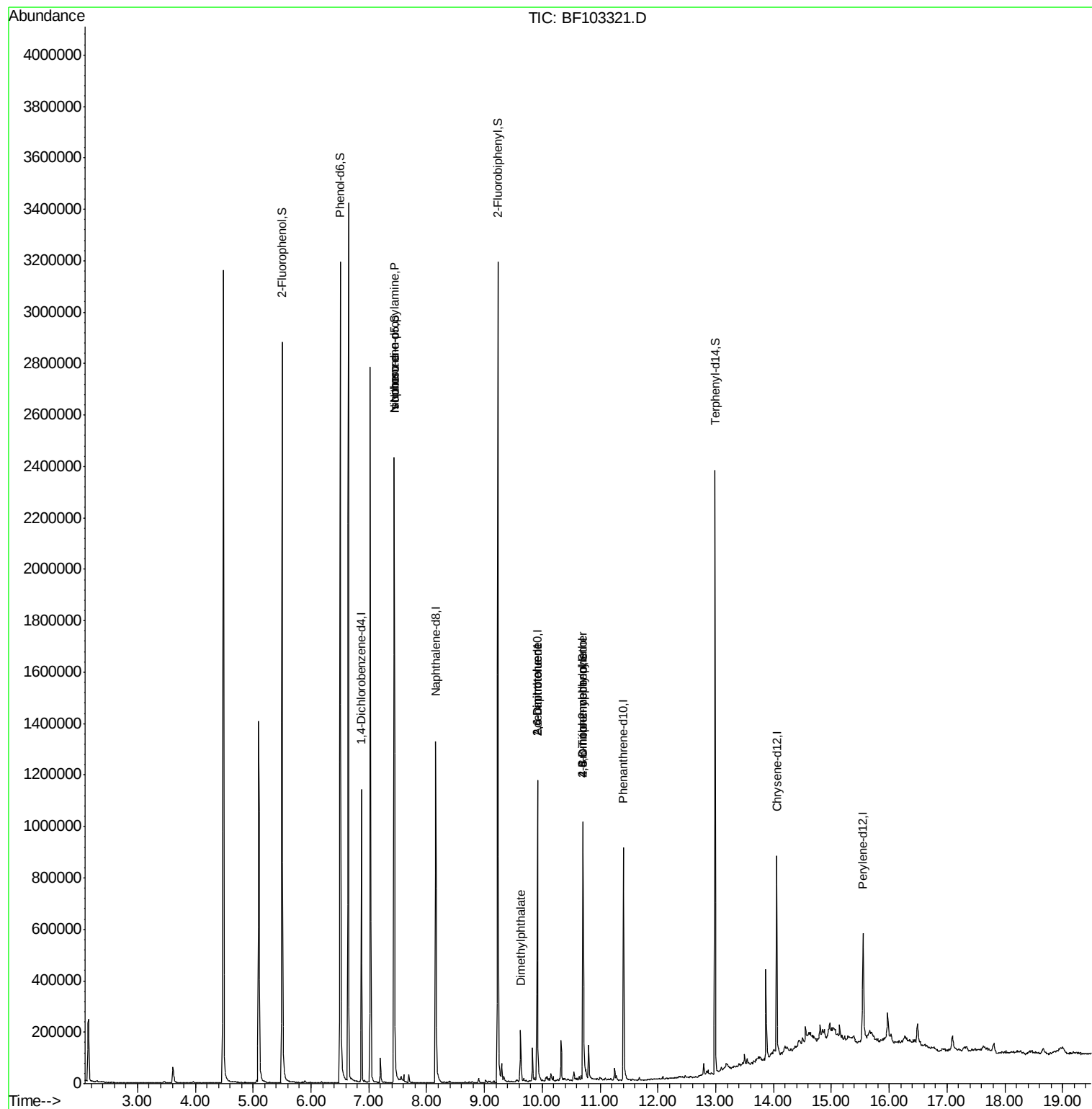
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	154080	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	622125	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	241286	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	343301	20.00	ng	0.00
75) Chrysene-d12	14.06	240	274029	20.00	ng	0.00
86) Perylene-d12	15.55	264	206894	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	844123	82.86	ng	0.01
7) Phenol-d6	6.51	99	1122891	90.08	ng	0.00
23) Nitrobenzene-d5	7.44	82	782086	71.79	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	107217	52.50	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1130900	79.49	ng	0.00
78) Terphenyl-d14	12.99	244	762967	66.93	ng	0.00
Target Compounds						
9) Benzaldehyde	6.51	77	1638	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.44	70	107545	13.862 ng	#	84
25) Isophorone	7.44	82	782074	36.451 ng	#	64
49) Dimethylphthalate	9.63	163	91860	4.746 ng		99
50) 2,6-Dinitrotoluene	9.92	165	31043	7.642 ng	#	26
56) 2,4-Dinitrotoluene	9.92	165	31043	6.043 ng	#	24
64) 4,6-Dinitro-2-methylphenol	10.70	198	166	5.017 ng	#	1
66) 4-Bromophenyl-phenylether	10.70	248	7512	2.101 ng	#	1

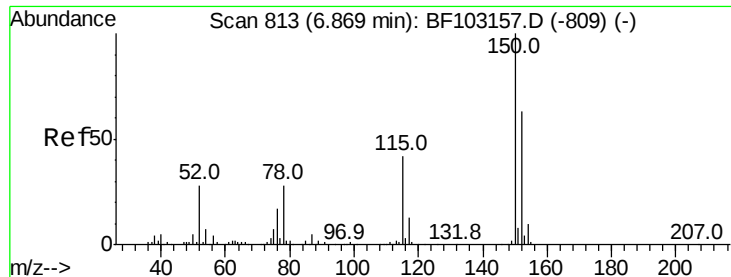
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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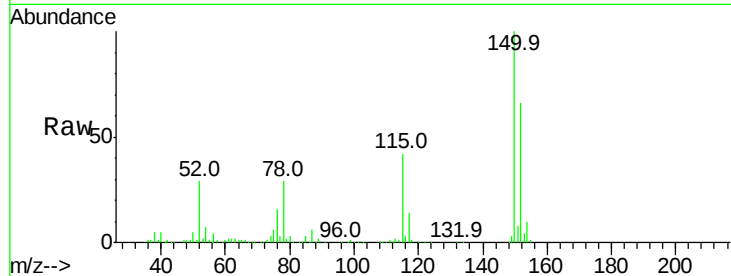


#1

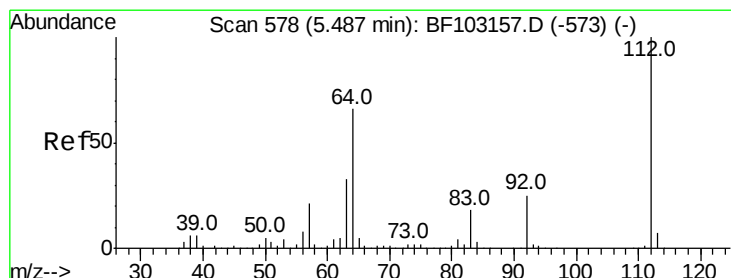
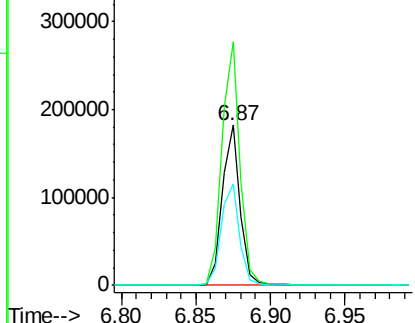
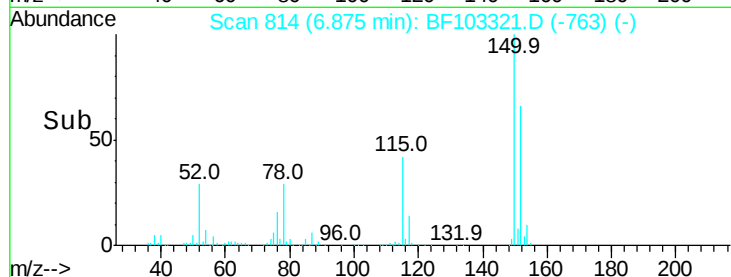
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF103321.D
Acq: 1 Mar 2018 4:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 154080
Ion Ratio Lower Upper
152 100
150 152.1 124.6 186.8
115 63.6 50.1 75.1



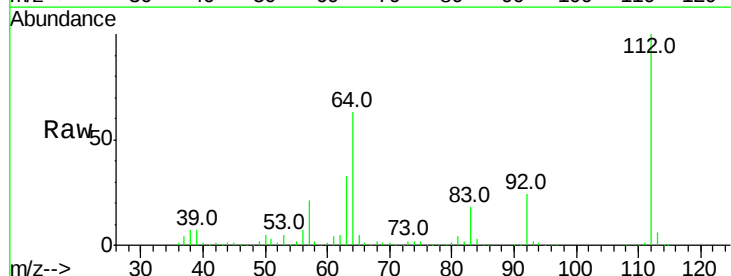
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



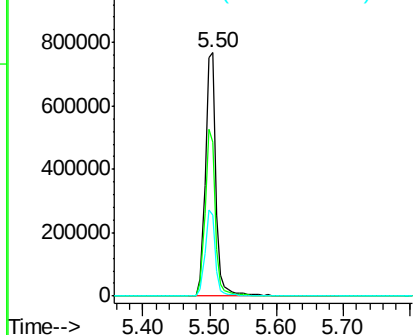
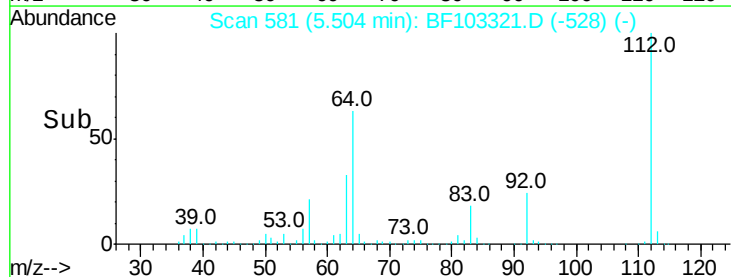
#5

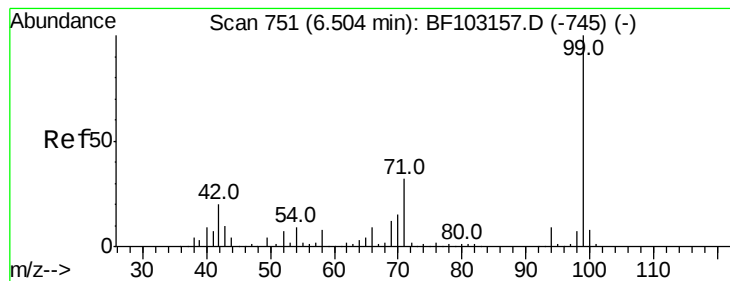
2-Fluorophenol
Concen: 82.858 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103321.D
Acq: 1 Mar 2018 4:17

Tgt Ion:112 Resp: 844123
Ion Ratio Lower Upper
112 100
64 63.4 47.9 71.9
63 33.3 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 90.076 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF103321.D

Acq: 1 Mar 2018 4:17

Instrument :

BNA_F

ClientSampled :

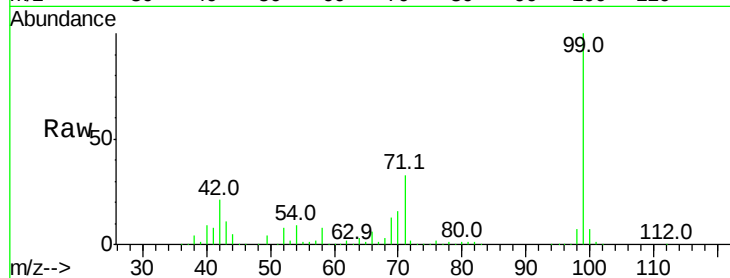
Tot Ion: 99 Resp: 1122891

Ion Ratio Lower Upper

99 100

42 21.4 14.5 21.7

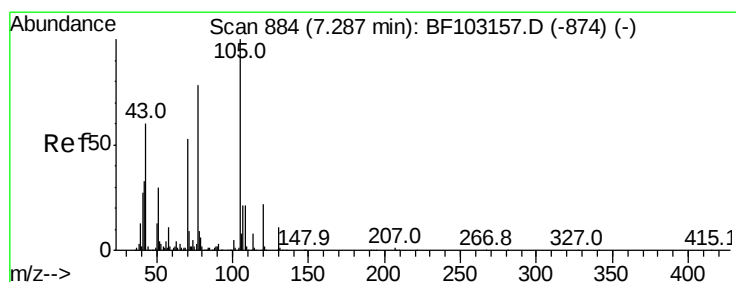
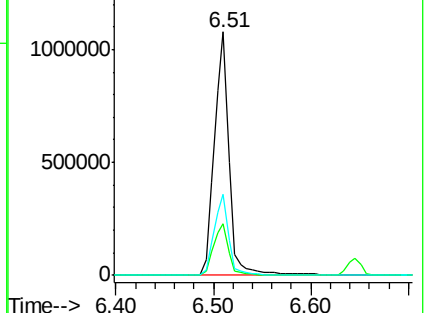
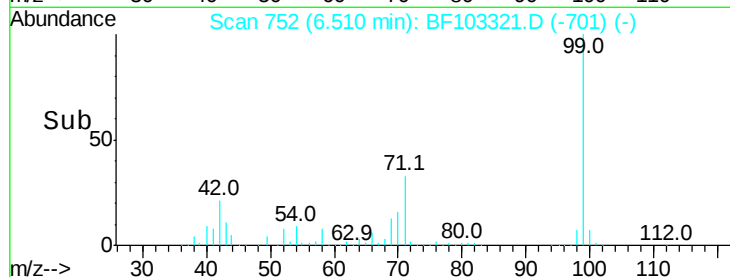
71 33.5 25.4 38.0



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: 13.862 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103321.D

Acq: 1 Mar 2018 4:17

Tgt Ion: 70 Resp: 107545

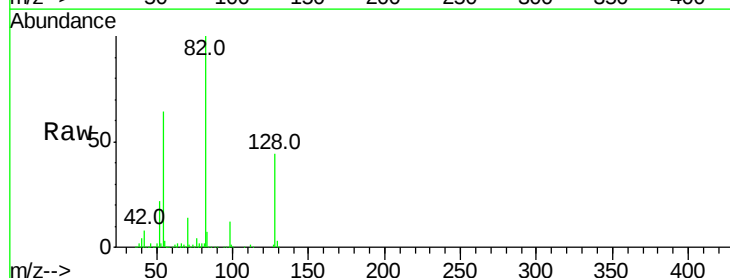
Ion Ratio Lower Upper

70 100

42 54.6 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

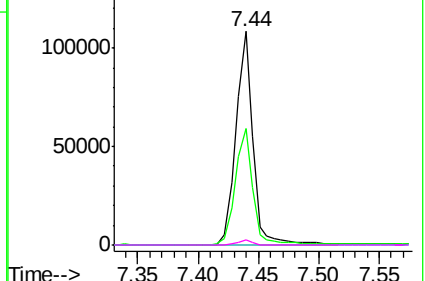
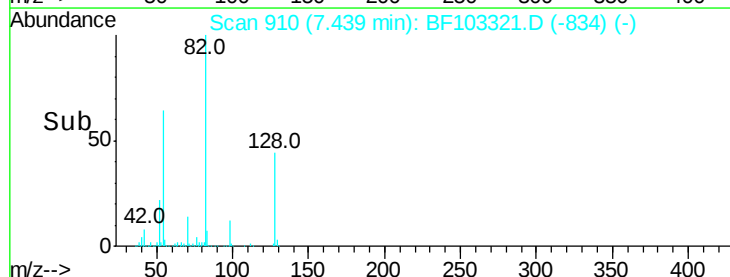


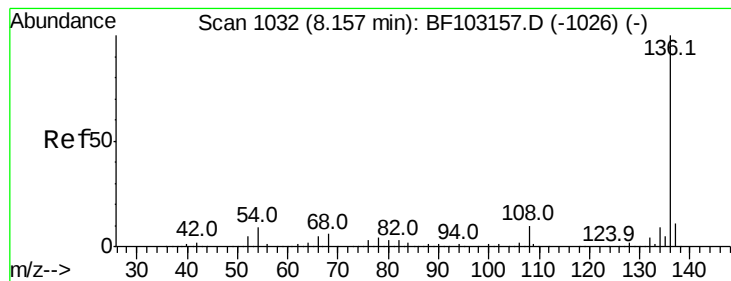
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.16 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BF103321.D

Acq: 1 Mar 2018 4:17

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 622125

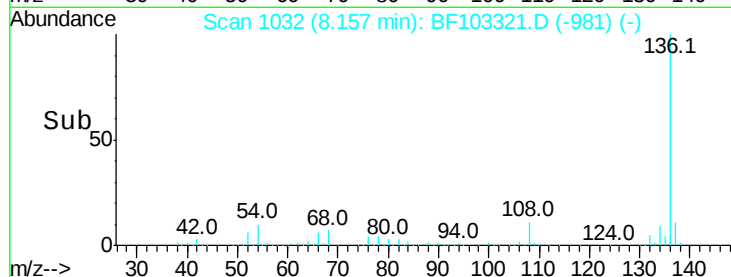
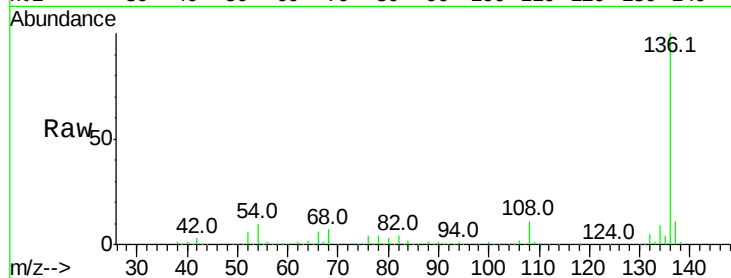
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 9.5 6.6 9.8

68 6.9 5.0 7.4

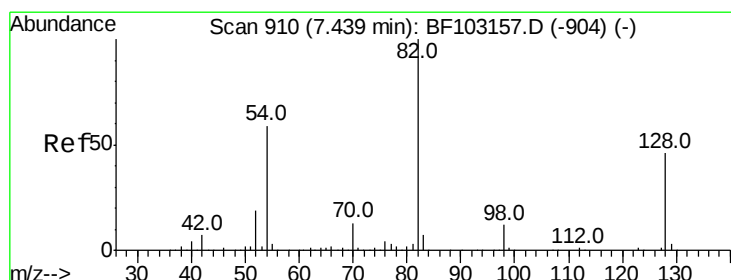
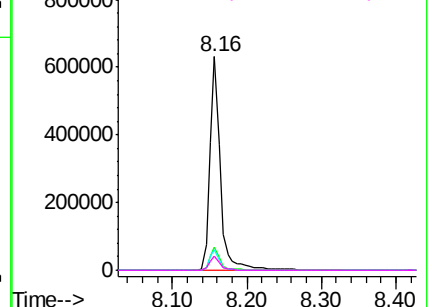


Abundance Ion 136.00 (135.70 to 136.70): E

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: 71.792 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF103321.D

Acq: 1 Mar 2018 4:17

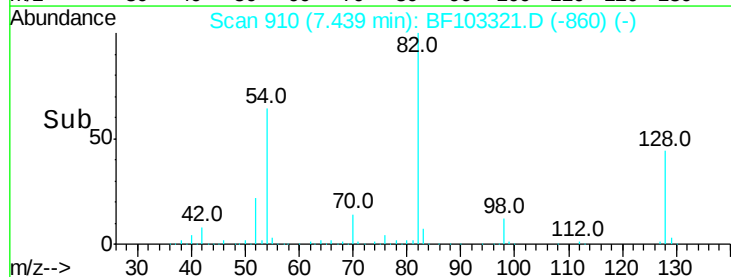
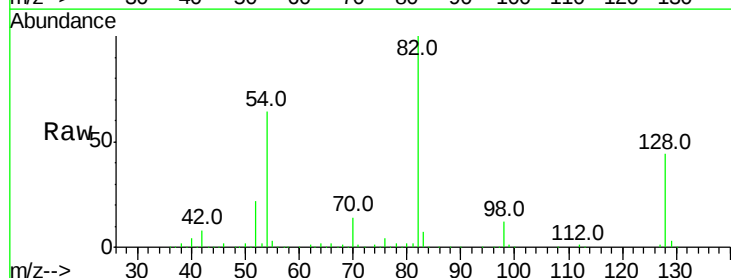
Tgt Ion: 82 Resp: 782086

Ion Ratio Lower Upper

82 100

128 44.2 36.1 54.1

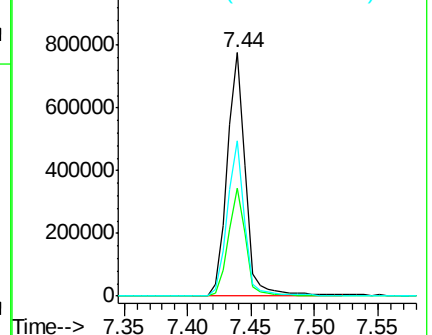
54 63.7 41.4 62.2#

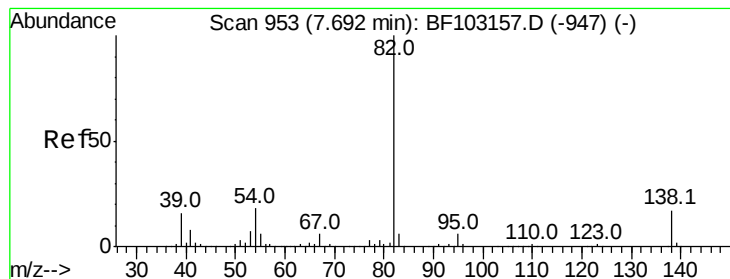


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 36.451 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF103321.D

Acq: 1 Mar 2018 4:17

Instrument :

BNA_F

ClientSampleId :

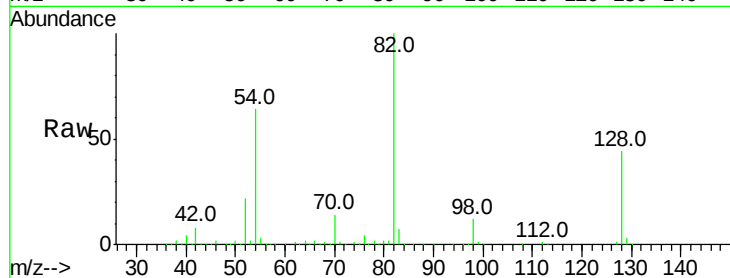
Tot Ion: 82 Resp: 782074

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

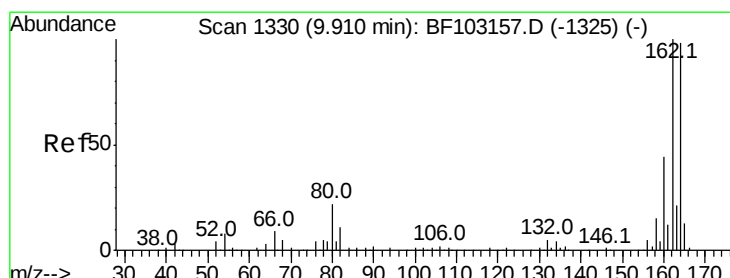
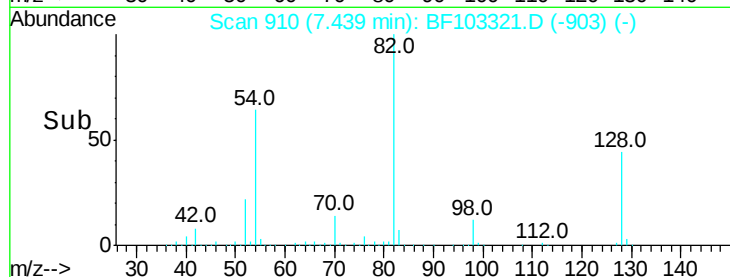
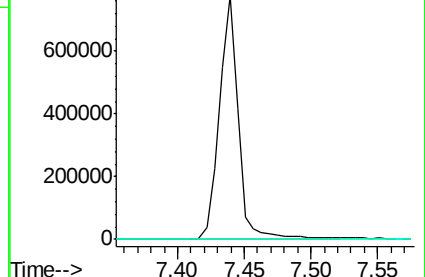
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.00 min

Lab File: BF103321.D

Acq: 1 Mar 2018 4:17

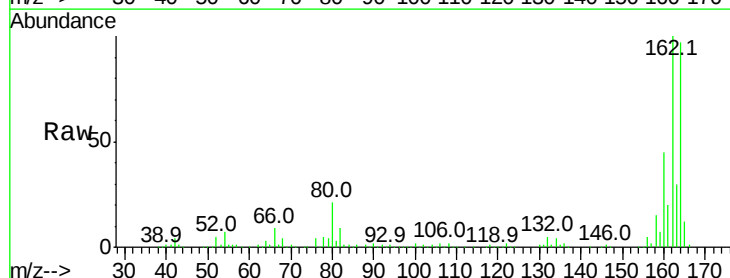
Tgt Ion:164 Resp: 241286

Ion Ratio Lower Upper

164 100

162 103.5 86.1 129.1

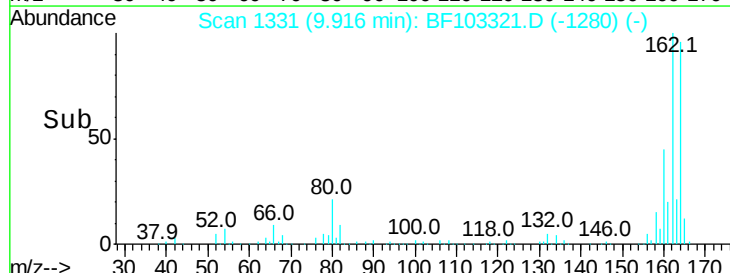
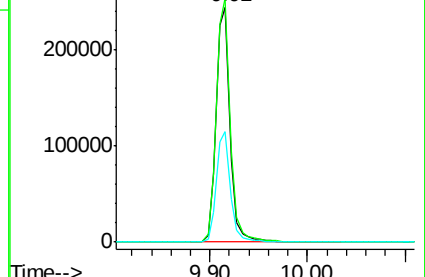
160 46.9 38.3 57.5



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

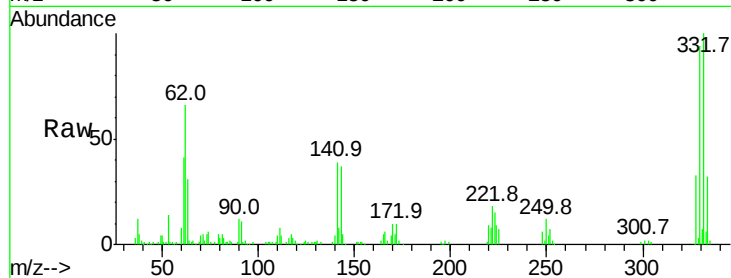




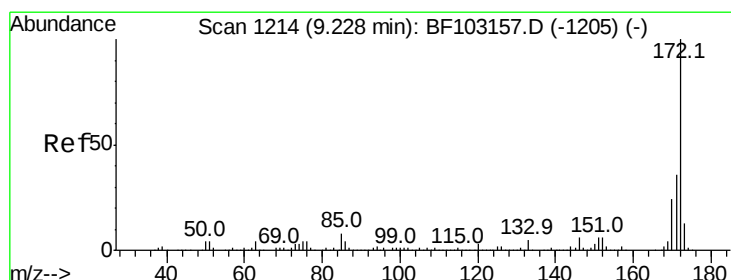
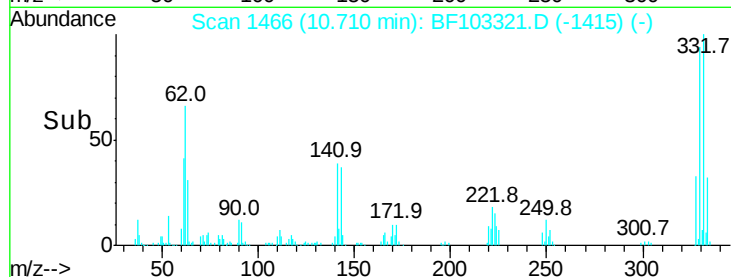
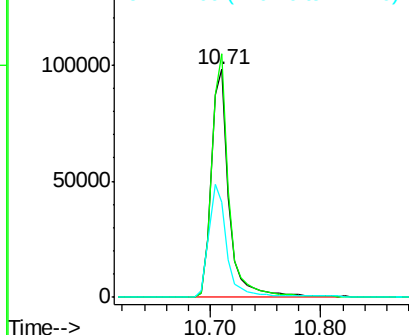
#41
 2,4,6-Tribromophenol
 Concen: 52.497 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BF103321.D
 Acq: 1 Mar 2018 4:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 107217
 Ion Ratio Lower Upper
 330 100
 332 103.5 77.0 115.6
 141 50.3 29.9 44.9#

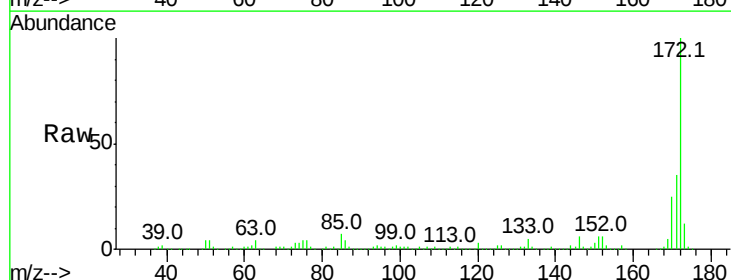


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

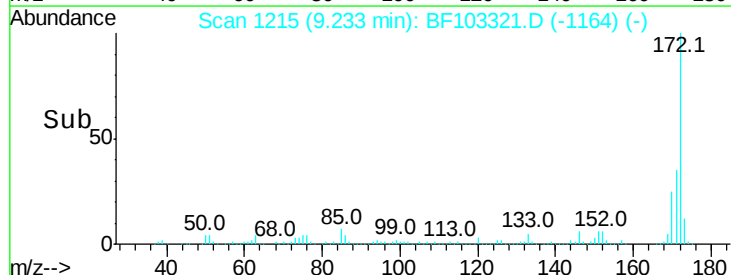
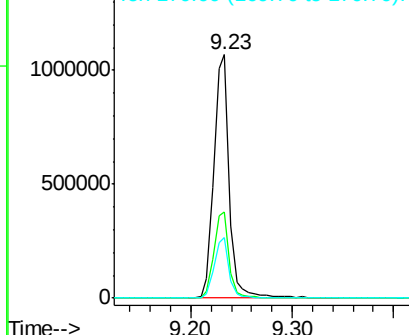


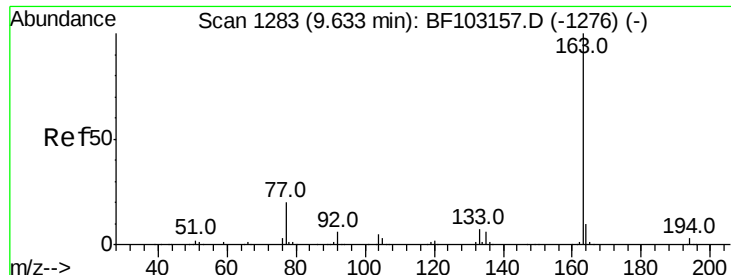
#44
 2-Fluorobiphenyl
 Concen: 79.493 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.00 min
 Lab File: BF103321.D
 Acq: 1 Mar 2018 4:17

Tgt Ion:172 Resp: 1130900
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.7 44.5
 170 24.7 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

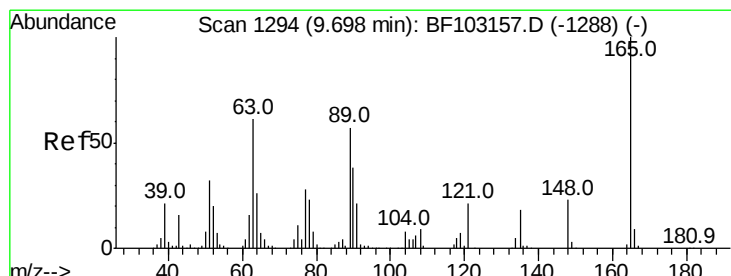
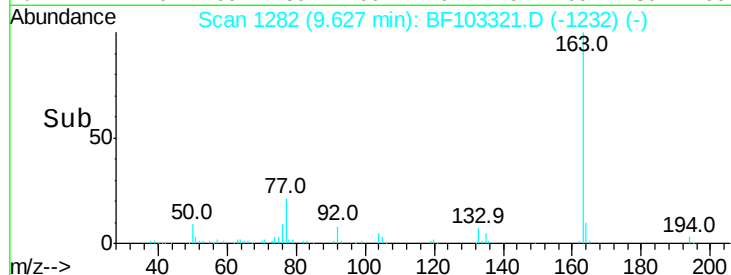
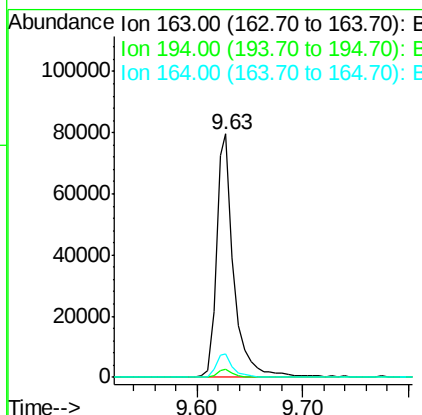
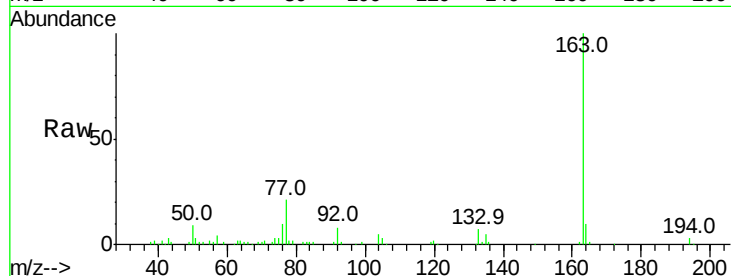




#49
Dimethylphthalate
Concen: 4.746 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF103321.D
Acq: 1 Mar 2018 4:17

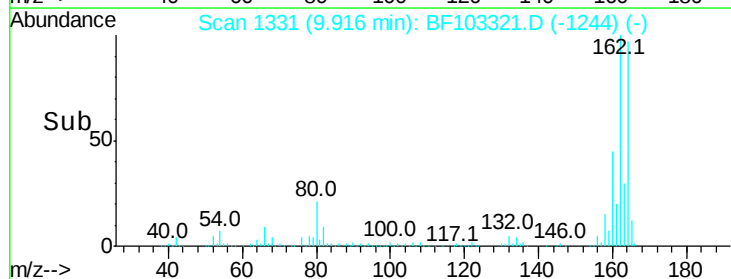
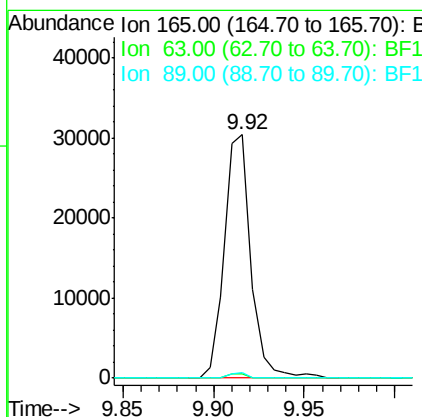
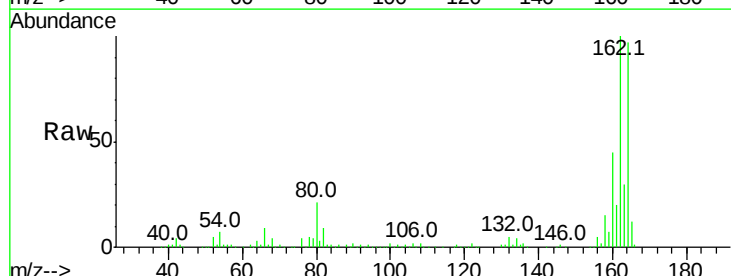
Instrument :
BNA_F
ClientSampled :

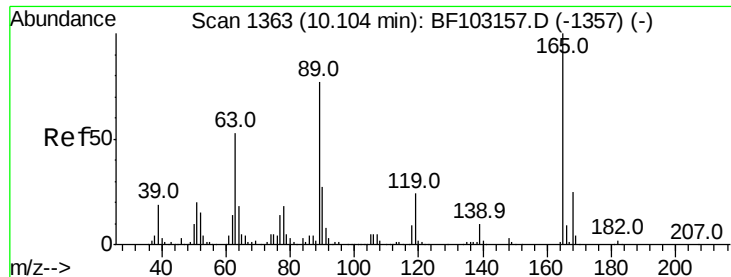
Tot Ion:163 Resp: 91860
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 9.5 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 7.642 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.21 min
Lab File: BF103321.D
Acq: 1 Mar 2018 4:17

Tgt Ion:165 Resp: 31043
Ion Ratio Lower Upper
165 100
63 2.0 44.7 67.1#
89 2.1 44.0 66.0#

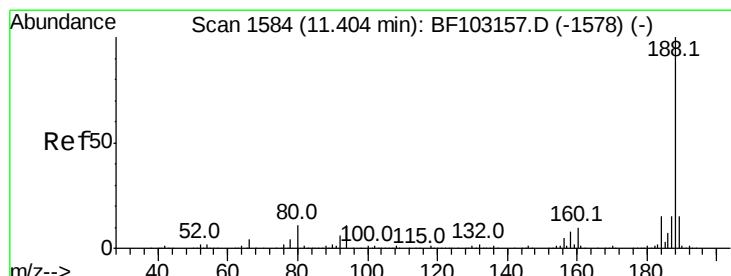
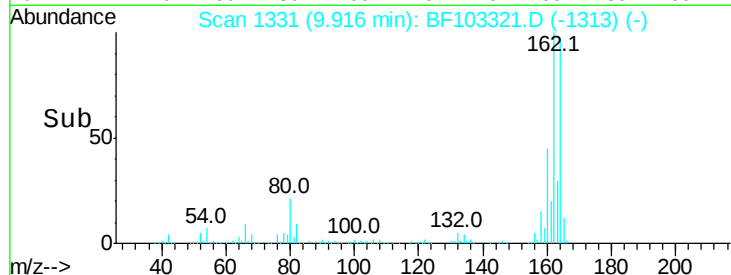
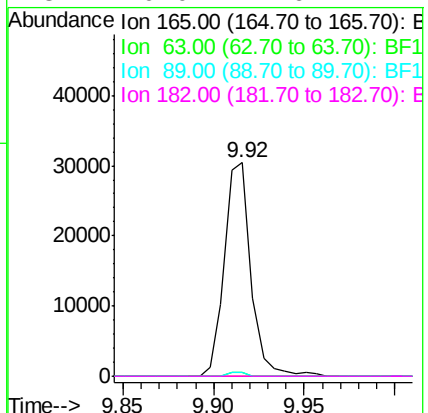
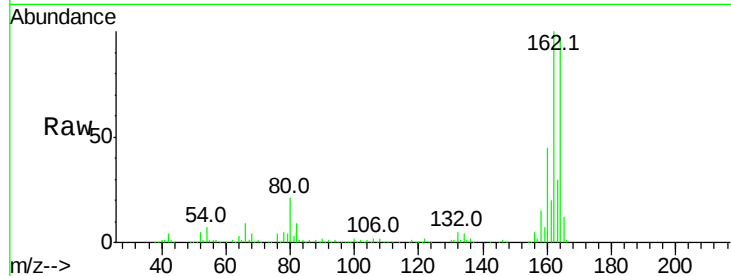




#56
 2,4-Dinitrotoluene
 Concen: 6.043 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF103321.D
 Acq: 1 Mar 2018 4:17

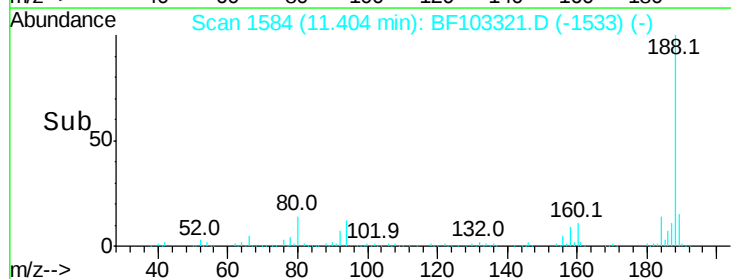
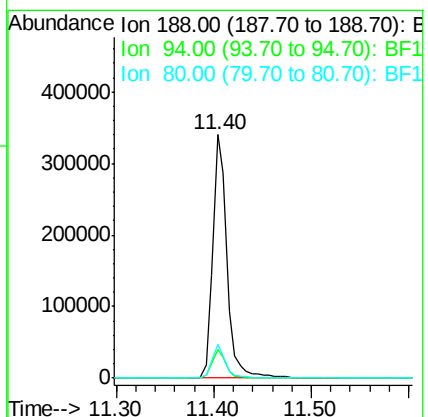
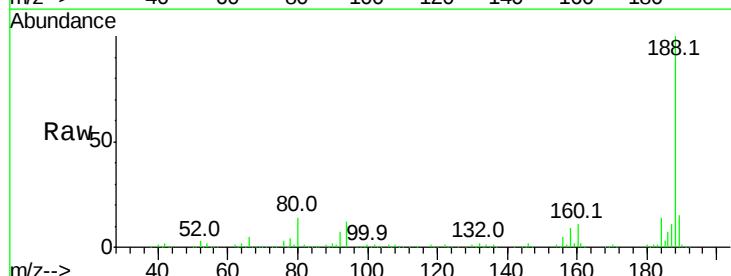
Instrument :
 BNA_F
 ClientSampleId :

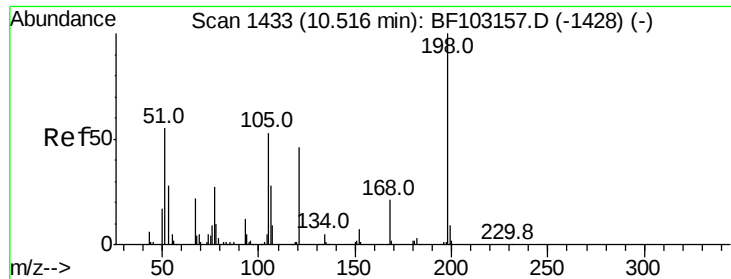
Tot Ion:165 Resp: 31043
 Ion Ratio Lower Upper
 165 100
 63 2.0 36.4 54.6#
 89 2.1 57.8 86.6#
 182 0.0 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: BF103321.D
 Acq: 1 Mar 2018 4:17

Tgt Ion:188 Resp: 343301
 Ion Ratio Lower Upper
 188 100
 94 12.0 8.5 12.7
 80 14.0 9.2 13.8#





#64

4,6-Dinitro-2-methylphenol

Concen: 5.017 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.18 min

Lab File: BF103321.D

Acq: 1 Mar 2018 4:17

Instrument :

BNA_F

ClientSampleId :

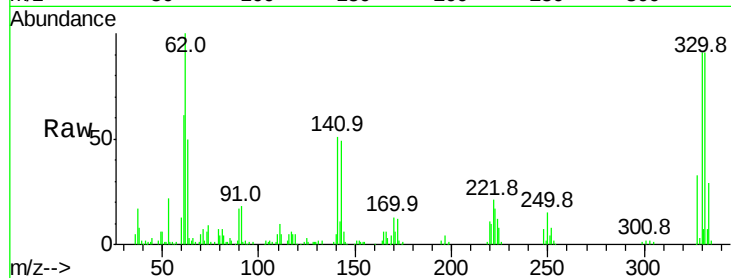
Tot Ion:198 Resp: 166

Ion Ratio Lower Upper

198 100

51 131.7 37.7 77.7#

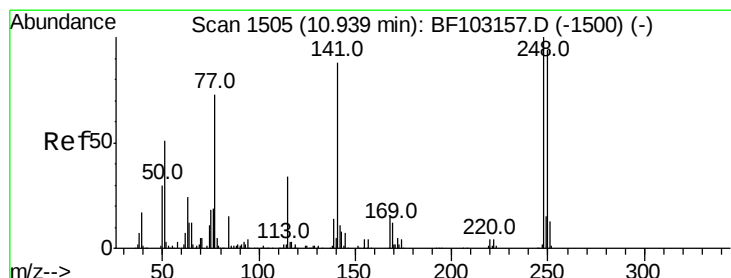
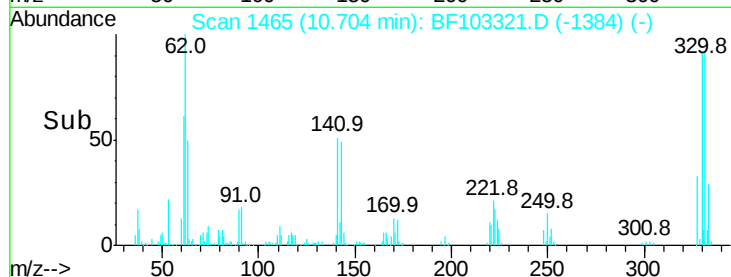
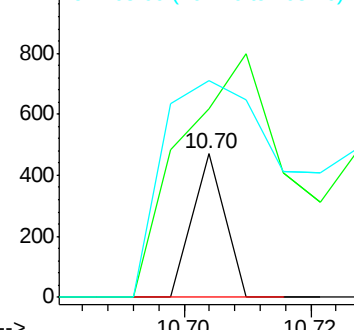
105 150.9 36.3 76.3#



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: 2.101 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.24 min

Lab File: BF103321.D

Acq: 1 Mar 2018 4:17

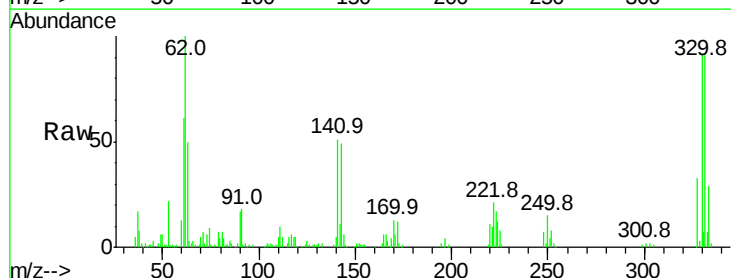
Tgt Ion:248 Resp: 7512

Ion Ratio Lower Upper

248 100

250 204.5 76.9 115.3#

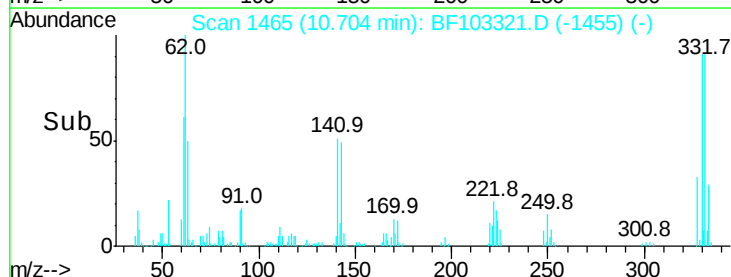
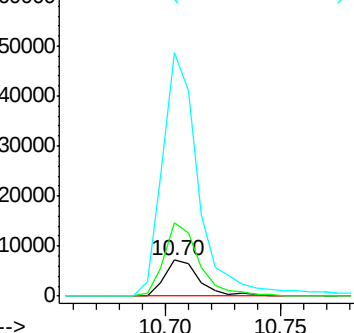
141 679.1 74.4 111.6#

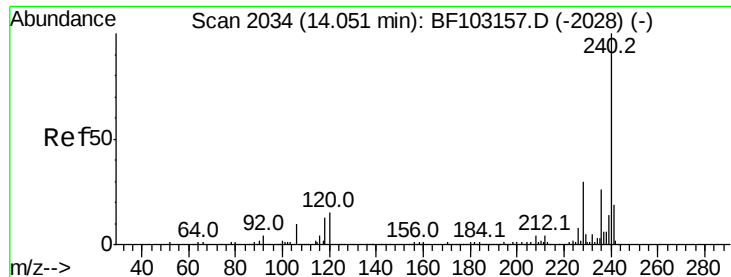


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.06 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BF103321.D

Acq: 1 Mar 2018 4:17

Instrument :

BNA_F

ClientSampleId :

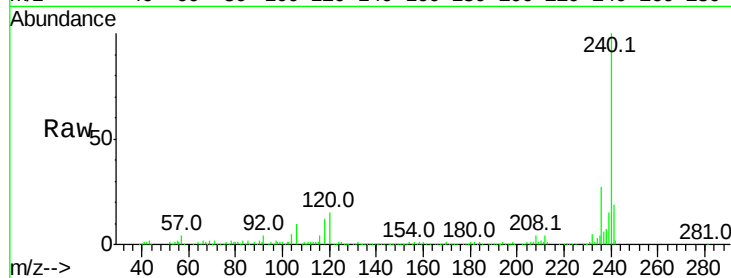
Tot Ion:240 Resp: 274029

Ion Ratio Lower Upper

240 100

120 14.8 9.5 14.3#

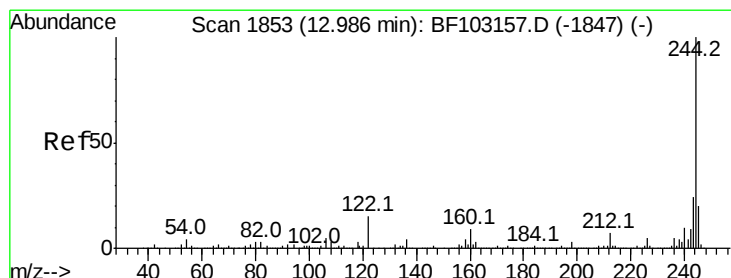
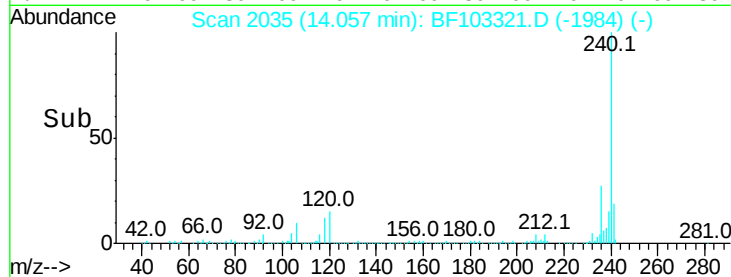
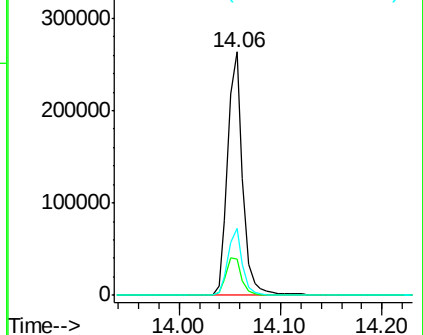
236 27.3 20.7 31.1



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: 66.930 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.00 min

Lab File: BF103321.D

Acq: 1 Mar 2018 4:17

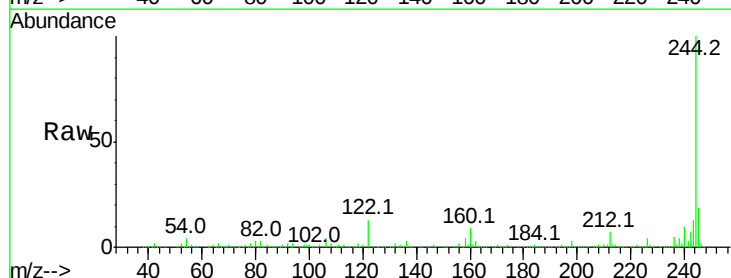
Tgt Ion:244 Resp: 762967

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

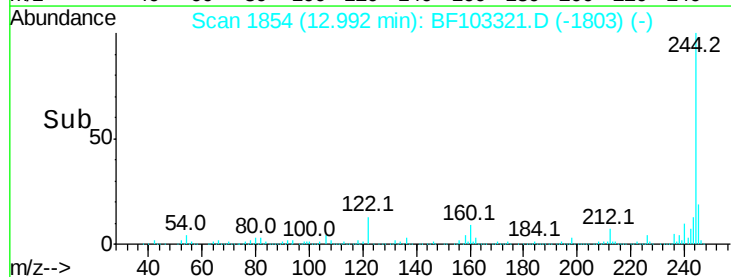
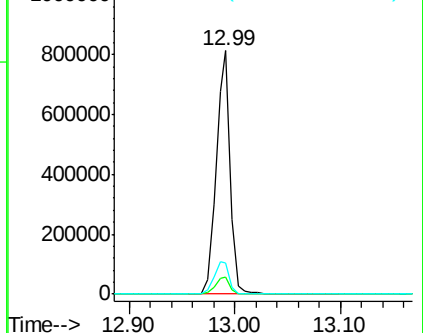
122 12.9 11.0 16.4

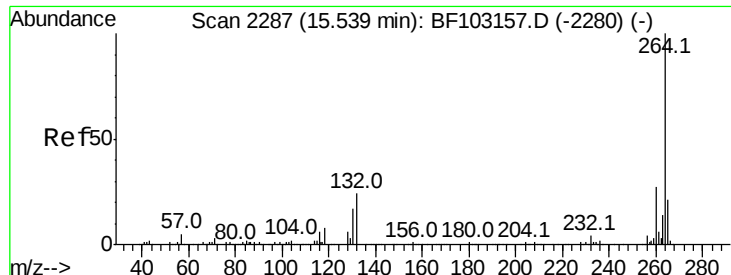


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

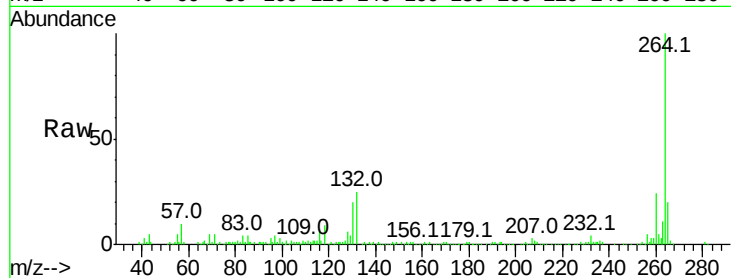




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.55 min Scan# 2289
 Delta R.T. -0.01 min
 Lab File: BF103321.D
 Acq: 1 Mar 2018 4:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	20.2	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

