

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030818\
 Data File : BF103545.D
 Acq On : 9 Mar 2018 5:10
 Operator : SJ/JU
 Sample : J1817-04
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 09 06:44:36 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 08 14:20:19 2018
 Response via : Initial Calibration

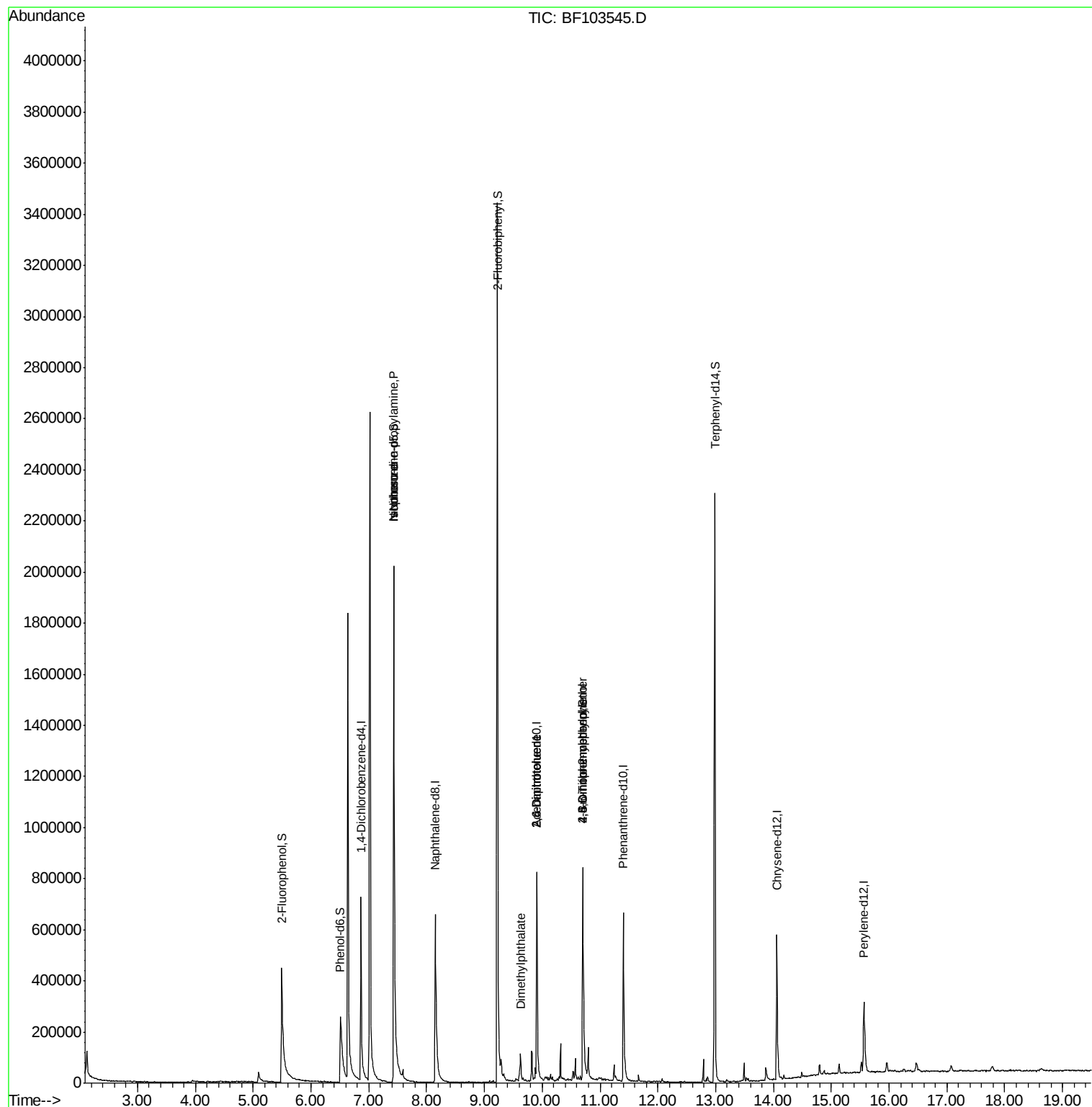
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	137274	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	566307	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	216717	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	337682	20.00	ng	0.00
75) Chrysene-d12	14.06	240	241127	20.00	ng	0.00
86) Perylene-d12	15.57	264	173078	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	297660	32.79	ng	0.00
7) Phenol-d6	6.51	99	245422	22.10	ng	0.00
23) Nitrobenzene-d5	7.43	82	956306	96.44	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	113756	62.01	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1330957	115.01	ng	0.00
78) Terphenyl-d14	12.99	244	833133	83.06	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.43	70	125244	18.119	ng	# 81
25) Isophorone	7.43	82	956306	48.965	ng	# 64
49) Dimethylphthalate	9.62	163	56230	3.234	ng	# 99
50) 2,6-Dinitrotoluene	9.90	165	26644	7.303	ng	# 25
56) 2,4-Dinitrotoluene	9.90	165	27013	5.854	ng	# 22
64) 4,6-Dinitro-2-methylphenol	10.70	198	110	4.993	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	8589	2.442	ng	# 1

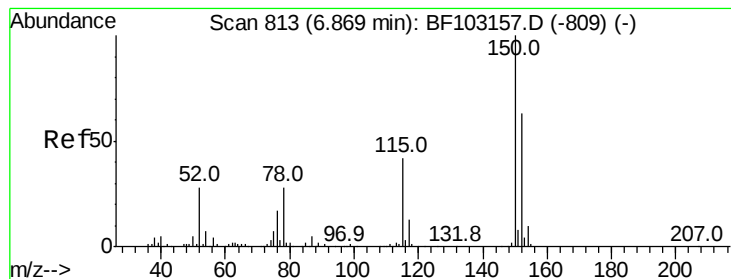
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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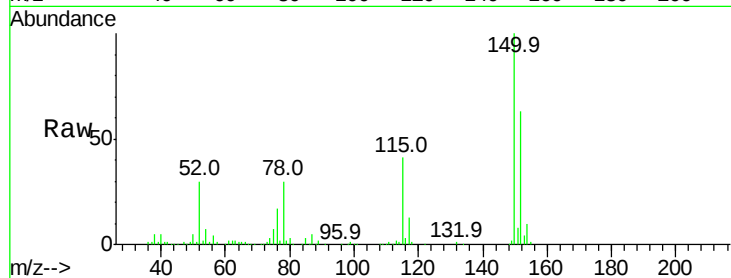


#1

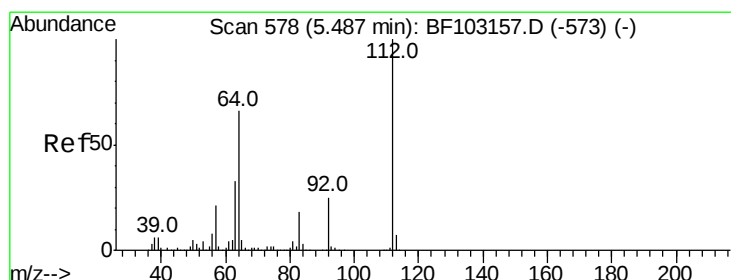
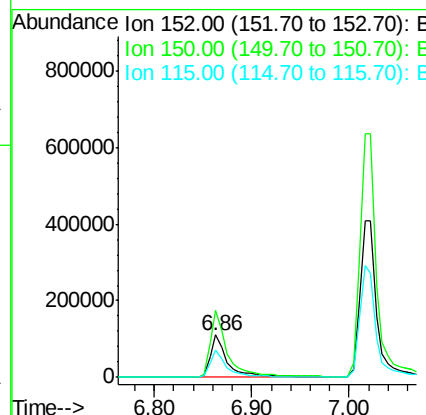
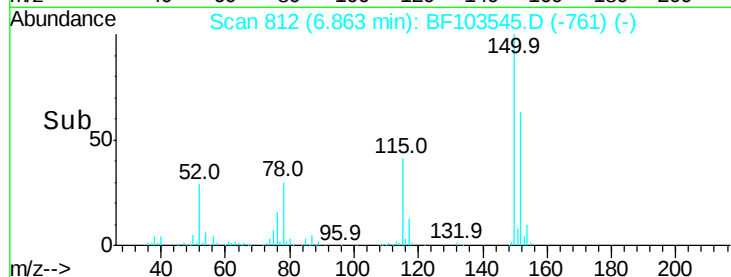
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF103545.D
Acq: 9 Mar 2018 5:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 137274
Ion Ratio Lower Upper
152 100
150 159.6 124.6 186.8
115 66.1 50.1 75.1



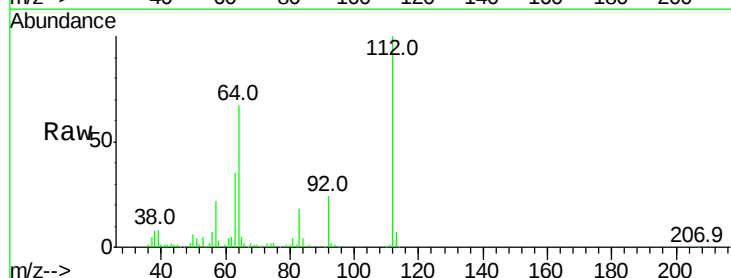
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



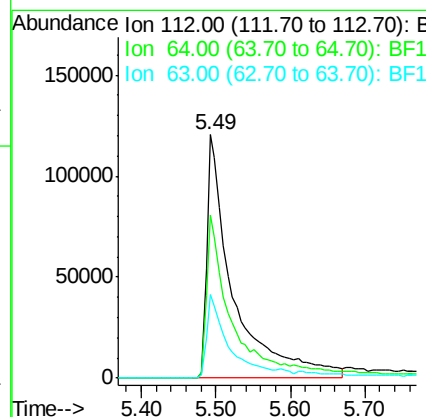
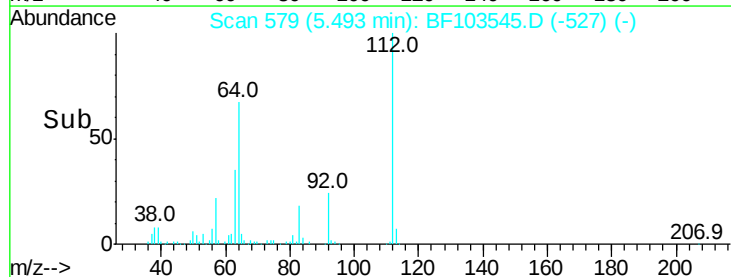
#5

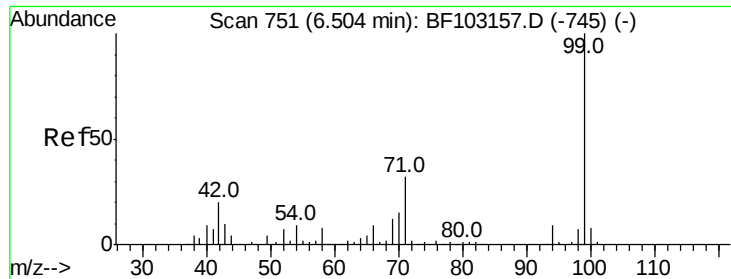
2-Fluorophenol
Concen: 32.795 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF103545.D
Acq: 9 Mar 2018 5:10

Tgt Ion:112 Resp: 297660
Ion Ratio Lower Upper
112 100
64 66.7 47.9 71.9
63 34.6 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: 22.097 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF103545.D

Acq: 9 Mar 2018 5:10

Instrument :

BNA_F

ClientSampled :

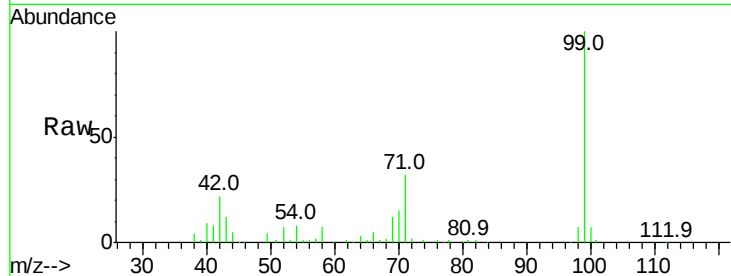
Tot Ion: 99 Resp: 245422

Ion Ratio Lower Upper

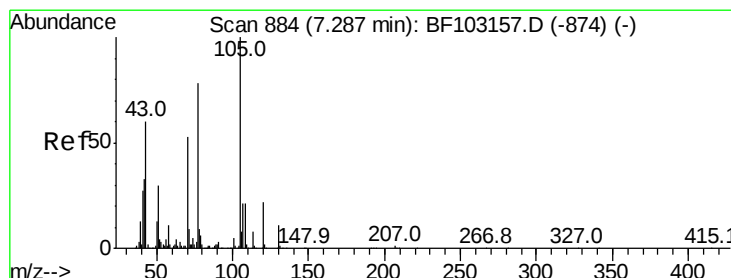
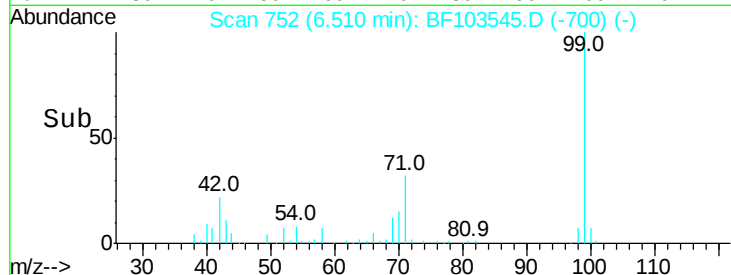
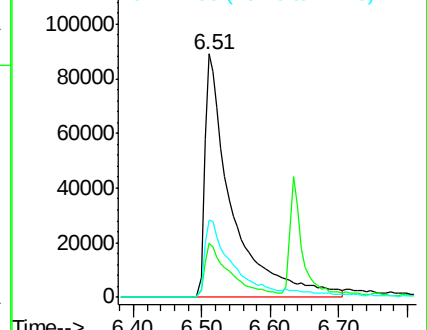
99 100

42 22.2 14.5 21.7#

71 31.6 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: 18.119 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.16 min

Lab File: BF103545.D

Acq: 9 Mar 2018 5:10

Tgt Ion: 70 Resp: 125244

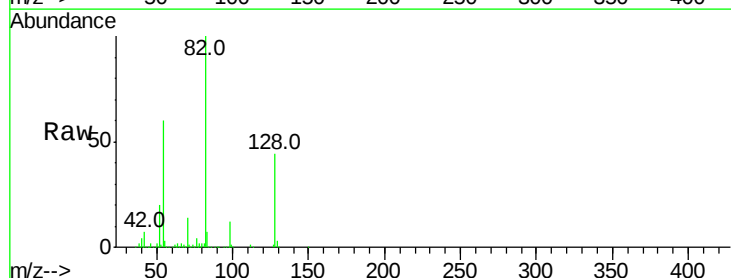
Ion Ratio Lower Upper

70 100

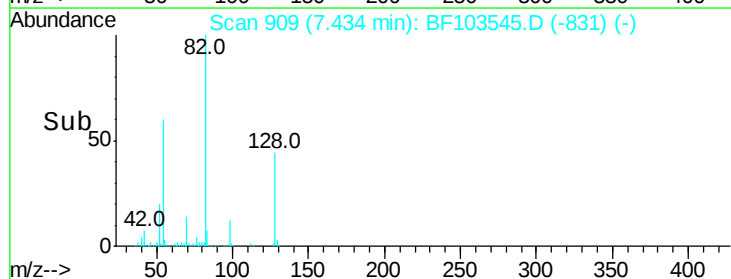
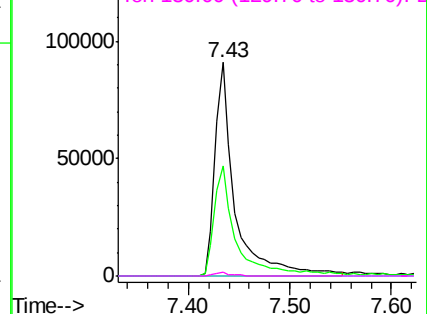
42 51.7 47.5 71.3

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

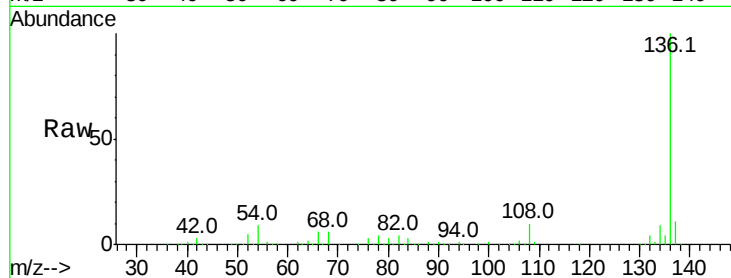




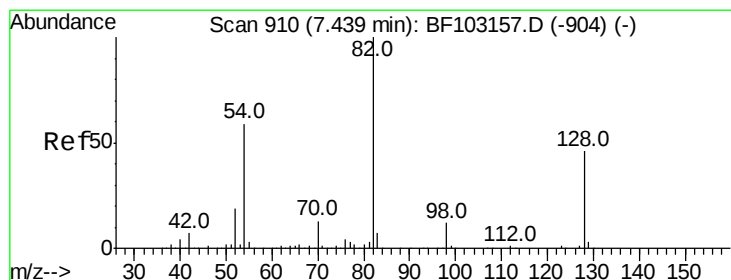
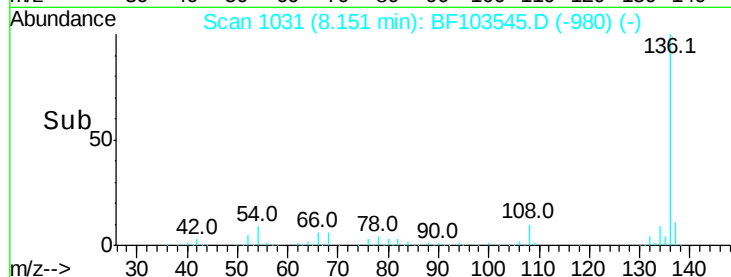
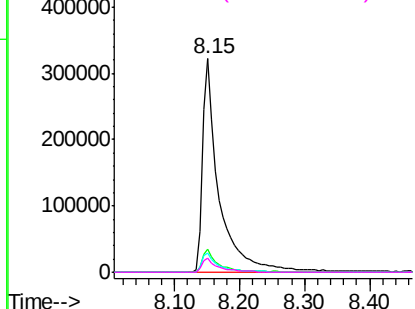
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BF103545.D
Acq: 9 Mar 2018 5:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	566307
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	9.2	6.6	9.8
68	6.3	5.0	7.4

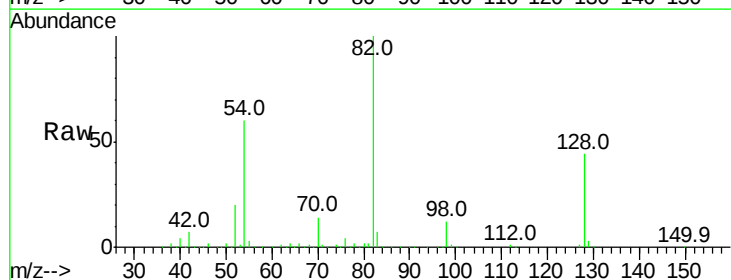


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

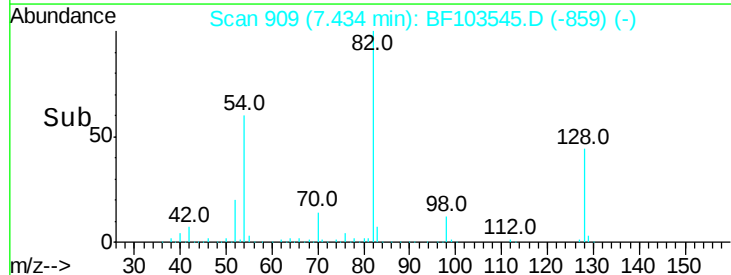
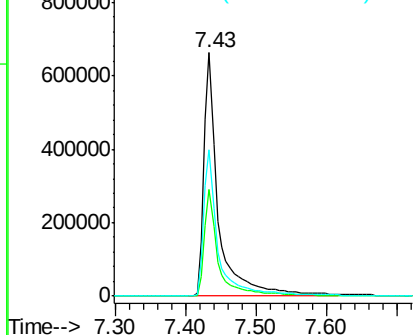


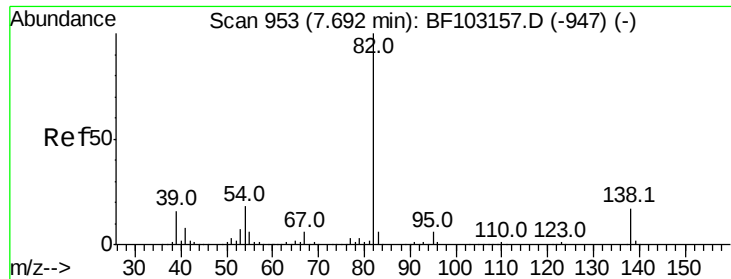
#23
Nitrobenzene-d5
Concen: 96.437 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF103545.D
Acq: 9 Mar 2018 5:10

Tgt Ion:	82	Resp:	956306
Ion	Ratio	Lower	Upper
82	100		
128	43.7	36.1	54.1
54	60.2	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: 48.965 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.25 min

Lab File: BF103545.D

Acq: 9 Mar 2018 5:10

Instrument :

BNA_F

ClientSampled :

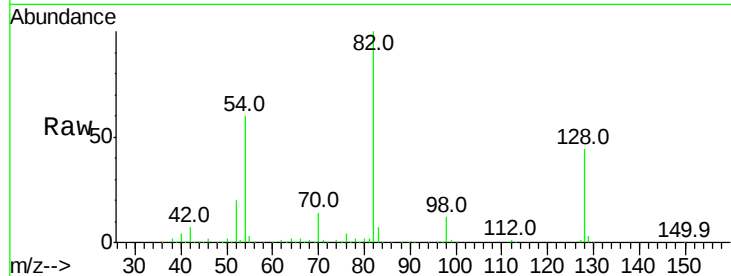
Tot Ion: 82 Resp: 956306

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

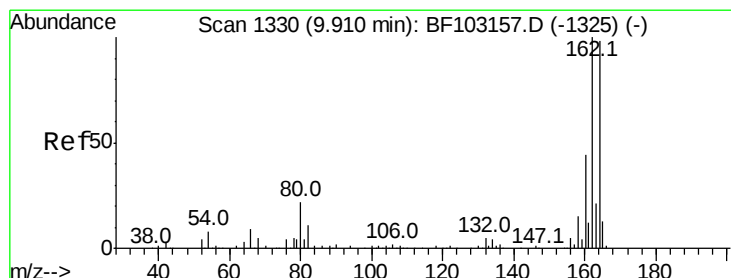
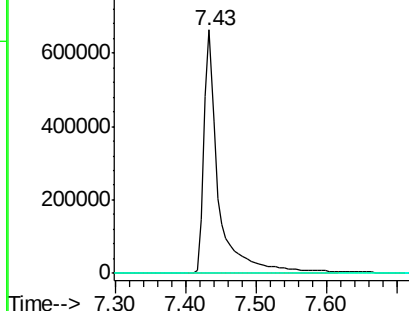
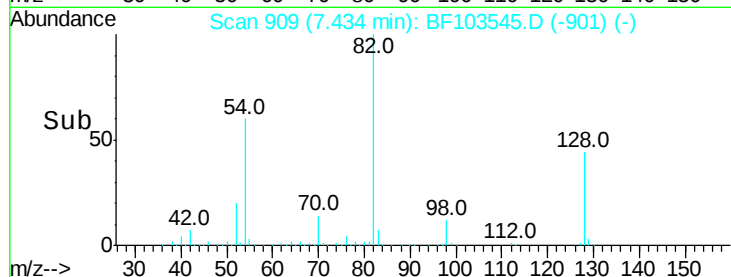
138 0.0 14.9 22.3#



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: 9.90 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BF103545.D

Acq: 9 Mar 2018 5:10

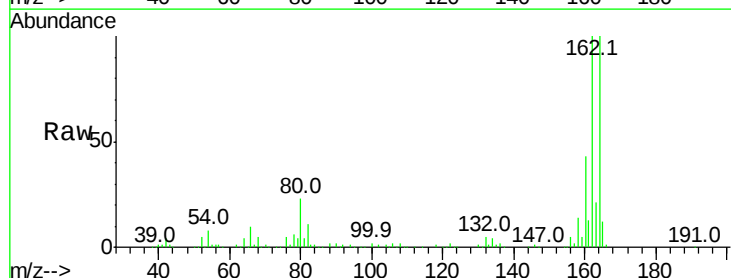
Tgt Ion:164 Resp: 216717

Ion Ratio Lower Upper

164 100

162 99.9 86.1 129.1

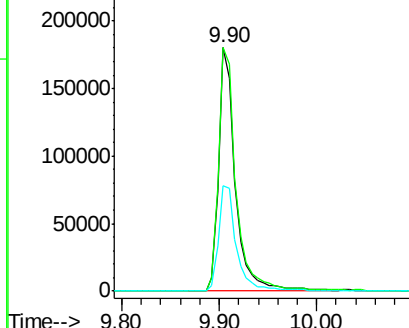
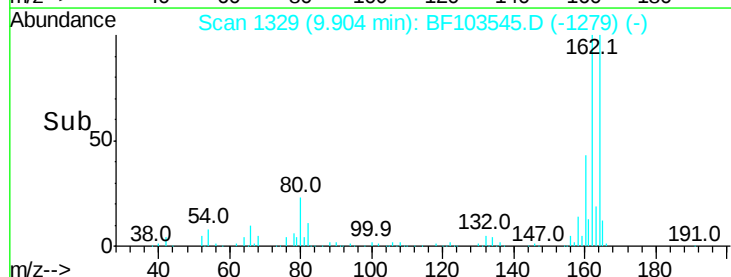
160 43.4 38.3 57.5

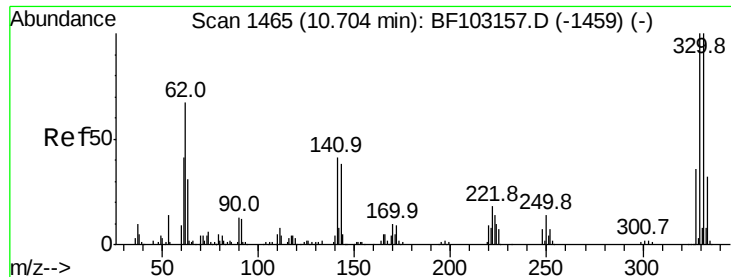


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

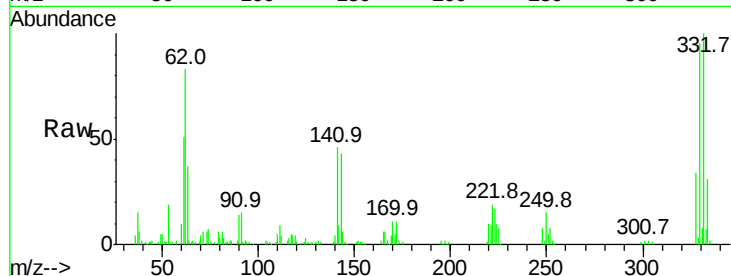




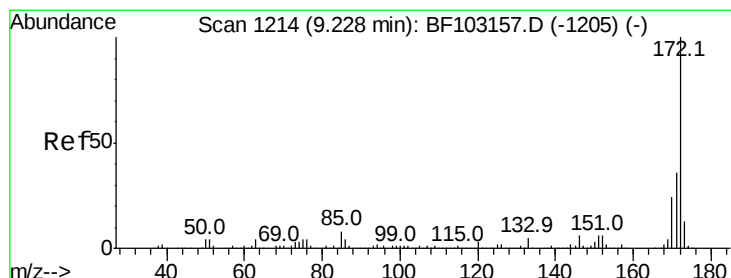
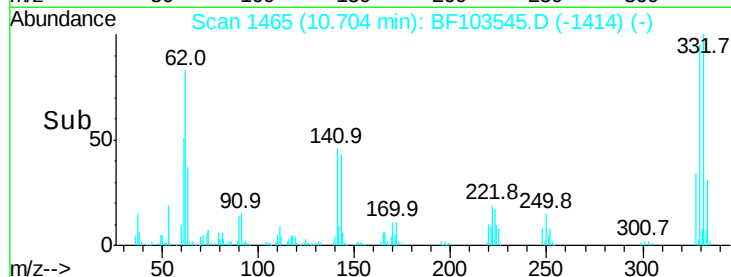
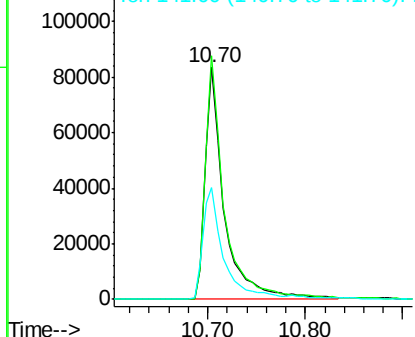
#41
 2,4,6-Tribromophenol
 Concen: 62.013 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: BF103545.D
 Acq: 9 Mar 2018 5:10

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 113756
 Ion Ratio Lower Upper
 330 100
 332 105.7 77.0 115.6
 141 51.5 29.9 44.9#

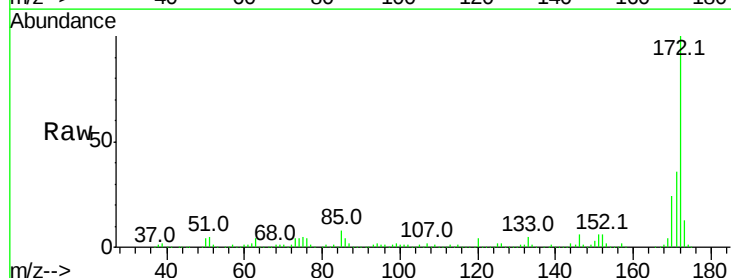


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

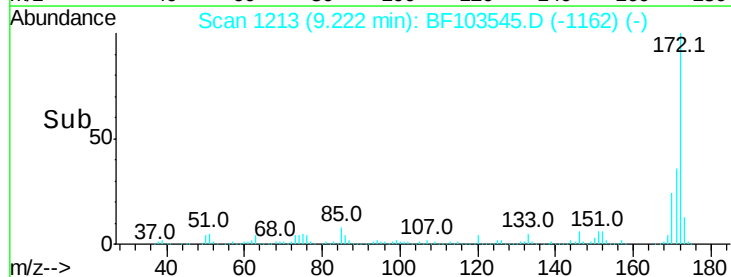
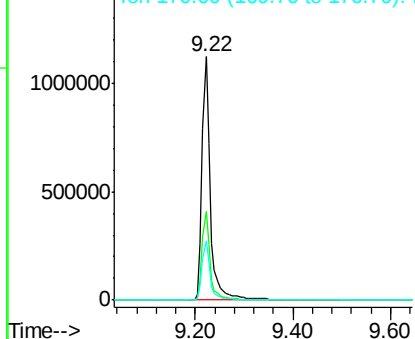


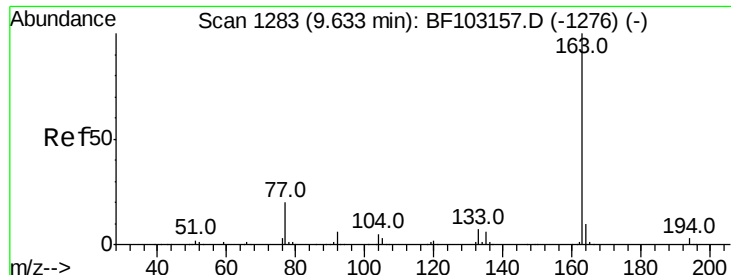
#44
 2-Fluorobiphenyl
 Concen: 115.005 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. 0.00 min
 Lab File: BF103545.D
 Acq: 9 Mar 2018 5:10

Tgt Ion:172 Resp: 1330957
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.7 44.5
 170 24.4 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

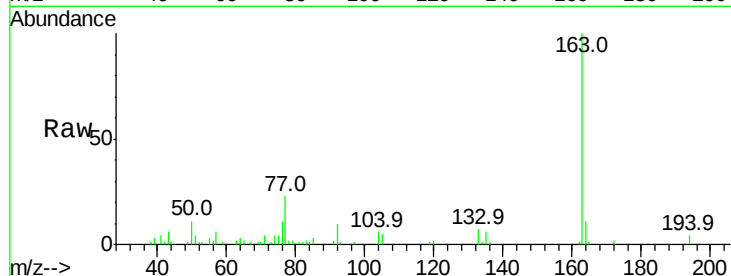




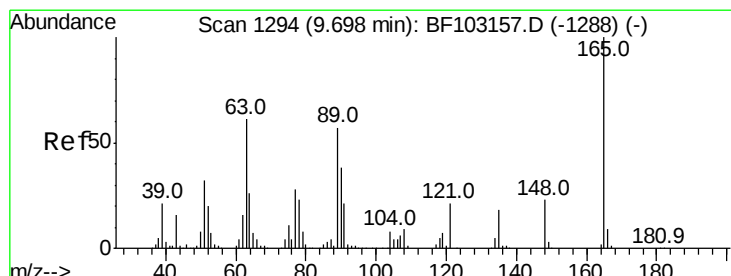
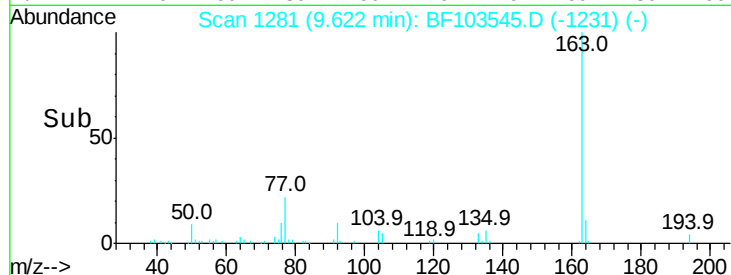
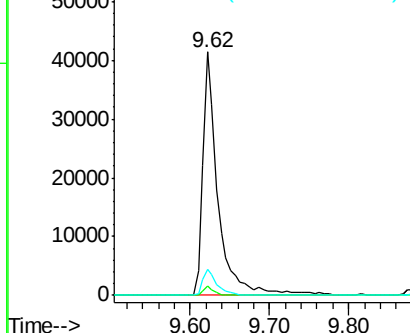
#49
Dimethylphthalate
Concen: 3.234 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF103545.D
Acq: 9 Mar 2018 5:10

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 56230
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 10.8 8.2 12.2

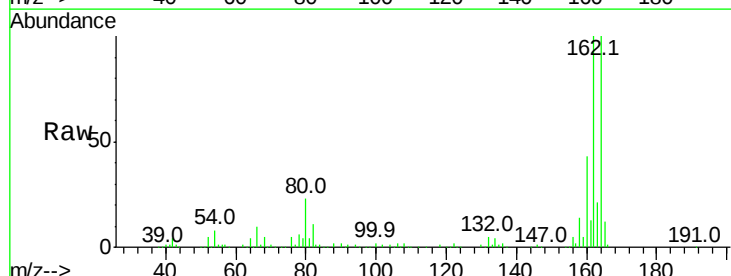


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

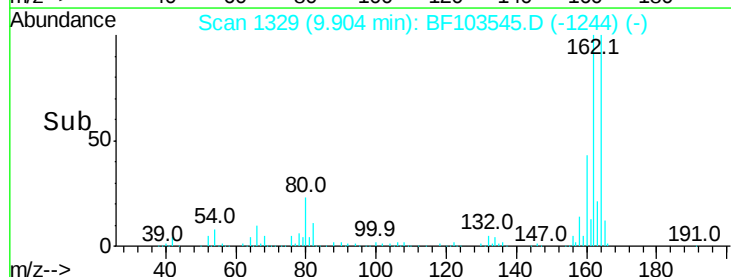
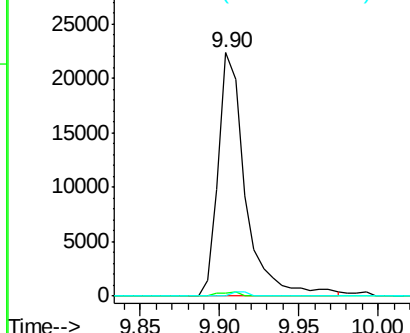


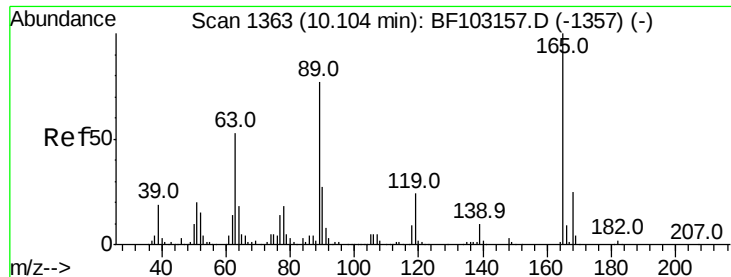
#50
2,6-Dinitrotoluene
Concen: 7.303 ng
RT: 9.90 min Scan# 1329
Delta R.T. 0.20 min
Lab File: BF103545.D
Acq: 9 Mar 2018 5:10

Tgt Ion:165 Resp: 26644
Ion Ratio Lower Upper
165 100
63 1.4 44.7 67.1#
89 0.0 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

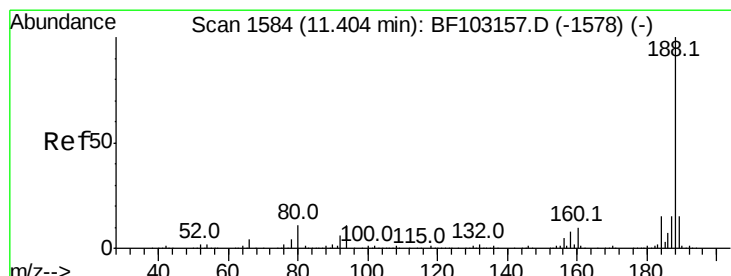
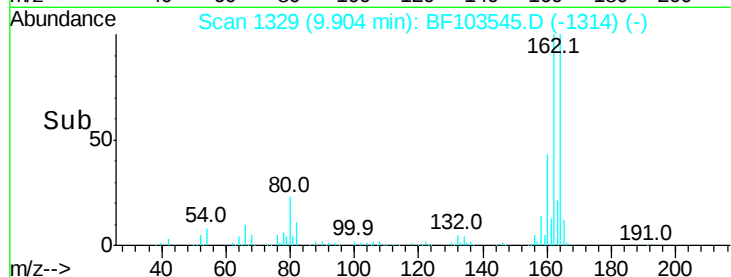
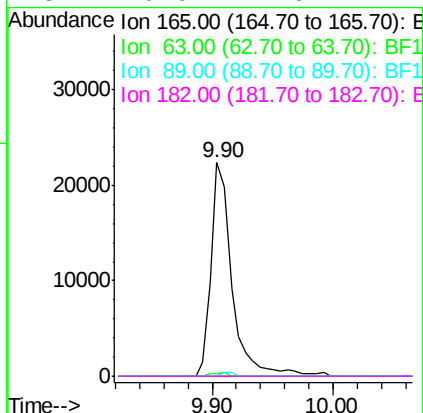
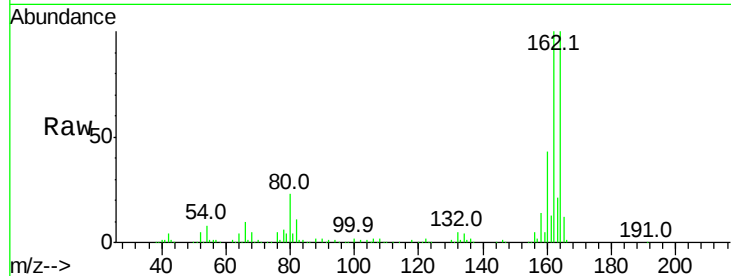




#56
 2,4-Dinitrotoluene
 Concen: 5.854 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. -0.21 min
 Lab File: BF103545.D
 Acq: 9 Mar 2018 5:10

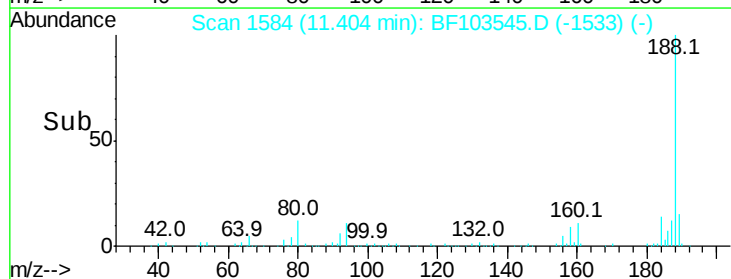
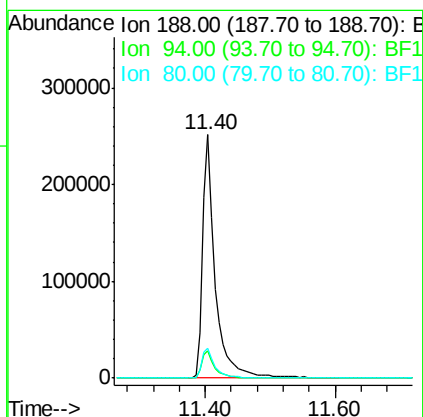
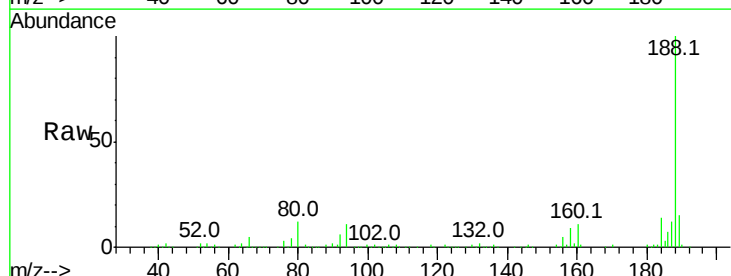
Instrument :
 BNA_F
 ClientSampleId :

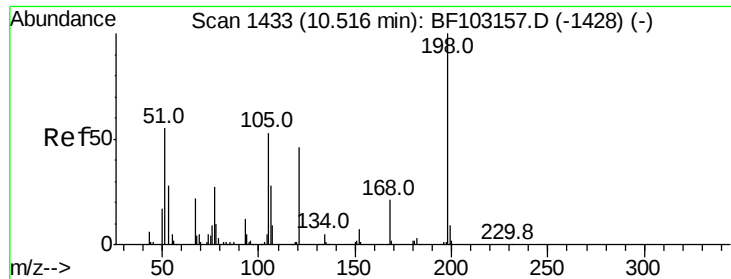
Tot Ion:	165	Resp:	27013
Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: BF103545.D
 Acq: 9 Mar 2018 5:10

Tgt Ion:	188	Resp:	337682
Ion	Ratio	Lower	Upper
188	100		
94	11.3	8.5	12.7
80	12.3	9.2	13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 4.993 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.17 min

Lab File: BF103545.D

Acq: 9 Mar 2018 5:10

Instrument :

BNA_F

ClientSampleId :

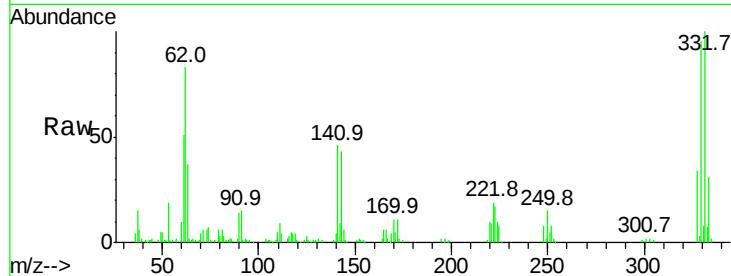
Tot Ion:198 Resp: 110

Ion Ratio Lower Upper

198 100

51 269.6 37.7 77.7#

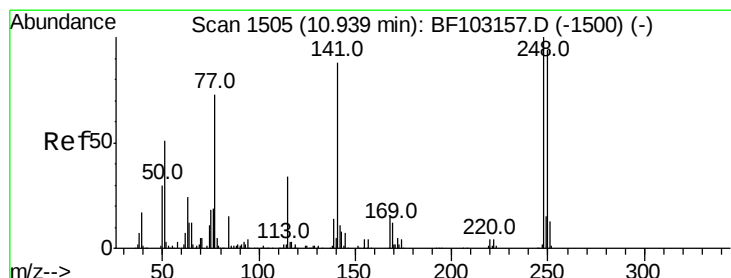
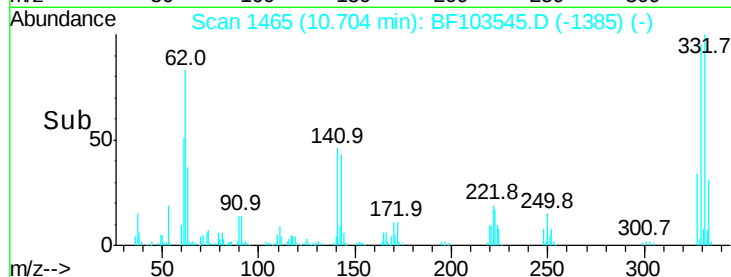
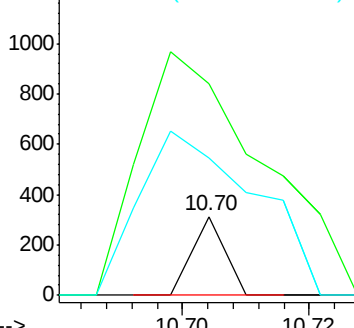
105 174.4 36.3 76.3#



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: 2.442 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.24 min

Lab File: BF103545.D

Acq: 9 Mar 2018 5:10

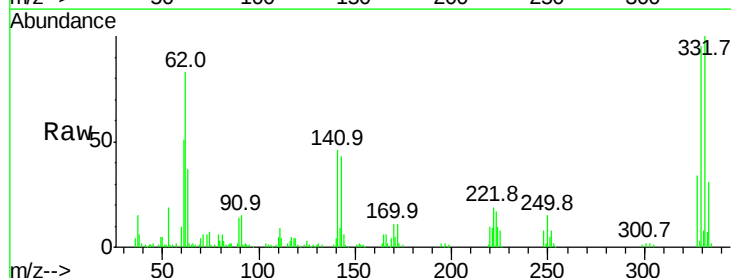
Tgt Ion:248 Resp: 8589

Ion Ratio Lower Upper

248 100

250 201.2 76.9 115.3#

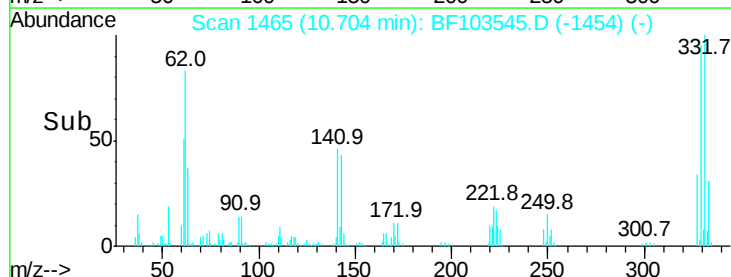
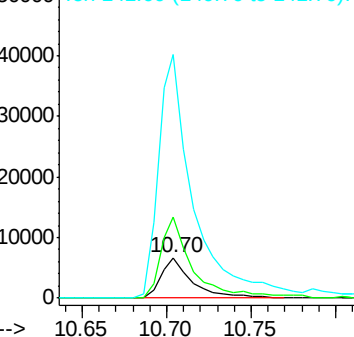
141 602.8 74.4 111.6#

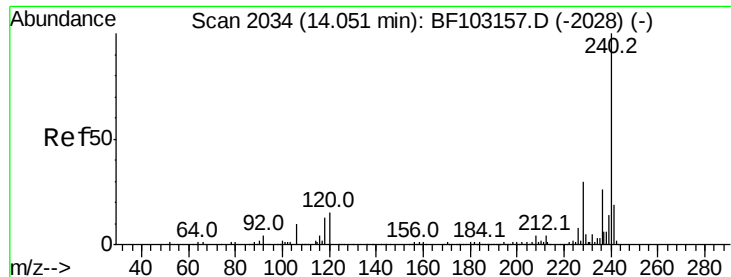


Abundance Ion 248.00 (247.70 to 248.70): E

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. -0.01 min

Lab File: BF103545.D

Acq: 9 Mar 2018 5:10

Instrument :

BNA_F

ClientSampleId :

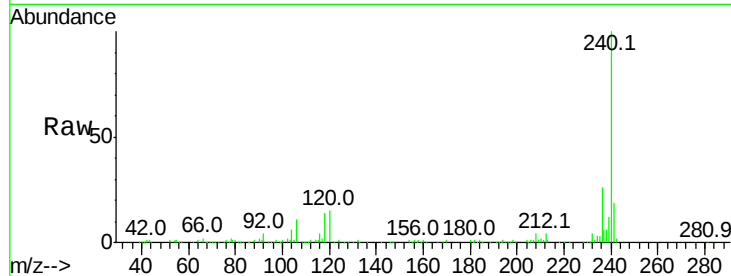
Tot Ion:240 Resp: 241127

Ion Ratio Lower Upper

240 100

120 15.4 9.5 14.3#

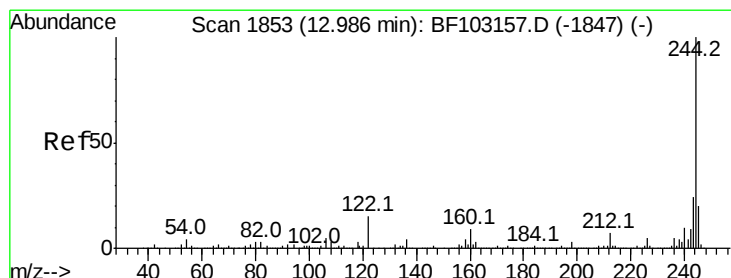
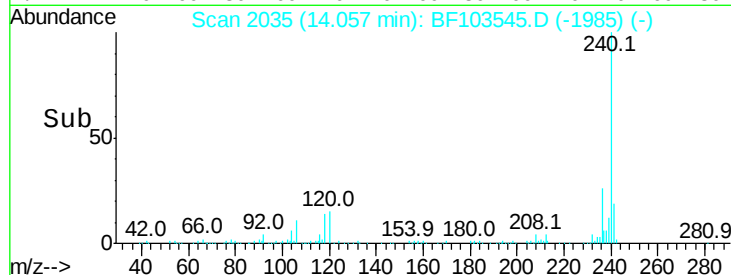
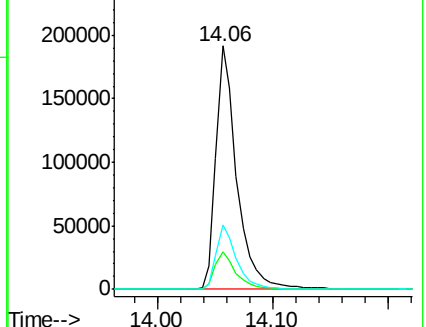
236 26.4 20.7 31.1



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: 83.058 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.00 min

Lab File: BF103545.D

Acq: 9 Mar 2018 5:10

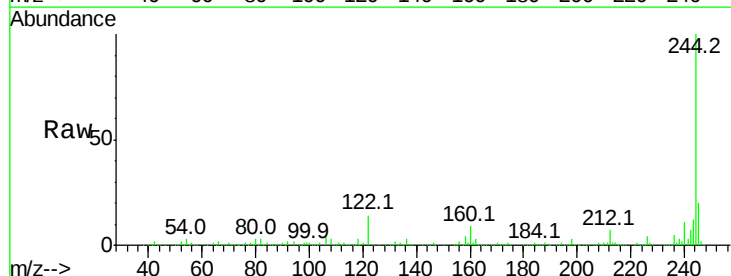
Tgt Ion:244 Resp: 833133

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

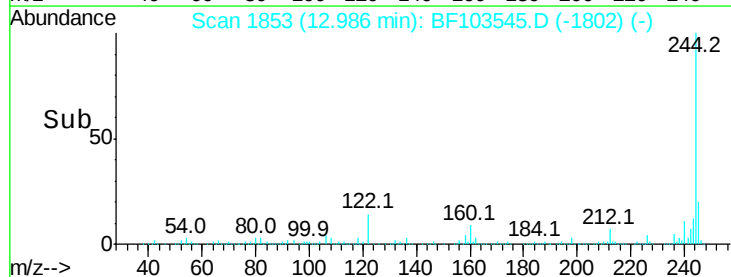
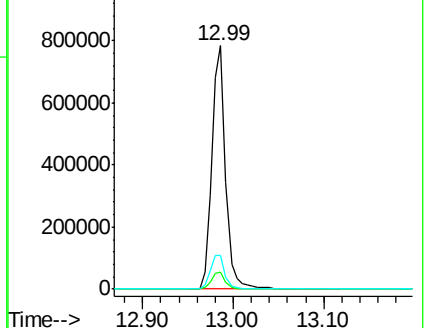
122 13.9 11.0 16.4

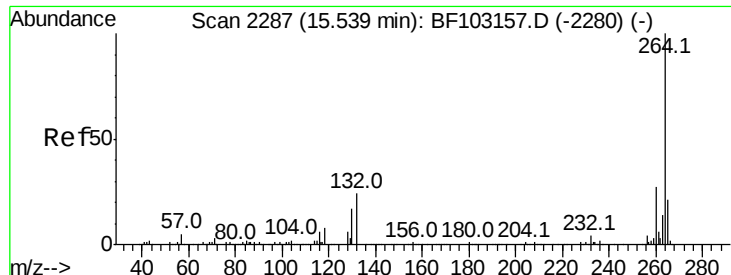


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



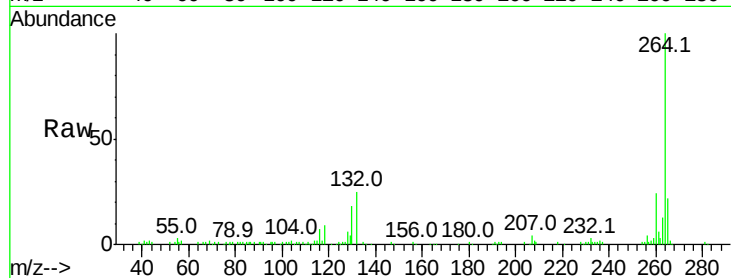


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. 0.00 min
Lab File: BF103545.D
Acq: 9 Mar 2018 5:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 173078

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	21.7	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

