

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031218\
 Data File : BF103585.D
 Acq On : 12 Mar 2018 16:48
 Operator : SJ/JU
 Sample : J1867-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 13 01:16:25 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 09 11:47:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	133703	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	576122	20.00	ng	-0.01
38) Acenaphthene-d10	9.90	164	256950	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	457092	20.00	ng	0.00
75) Chrysene-d12	14.06	240	394456	20.00	ng	0.00
86) Perylene-d12	15.57	264	363174	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	518234	58.62	ng	0.00
7) Phenol-d6	6.51	99	419222	38.75	ng	0.00
23) Nitrobenzene-d5	7.43	82	940905	93.27	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	282536	129.91	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1320110	89.64	ng	0.00
78) Terphenyl-d14	12.99	244	1203807	73.36	ng	0.00

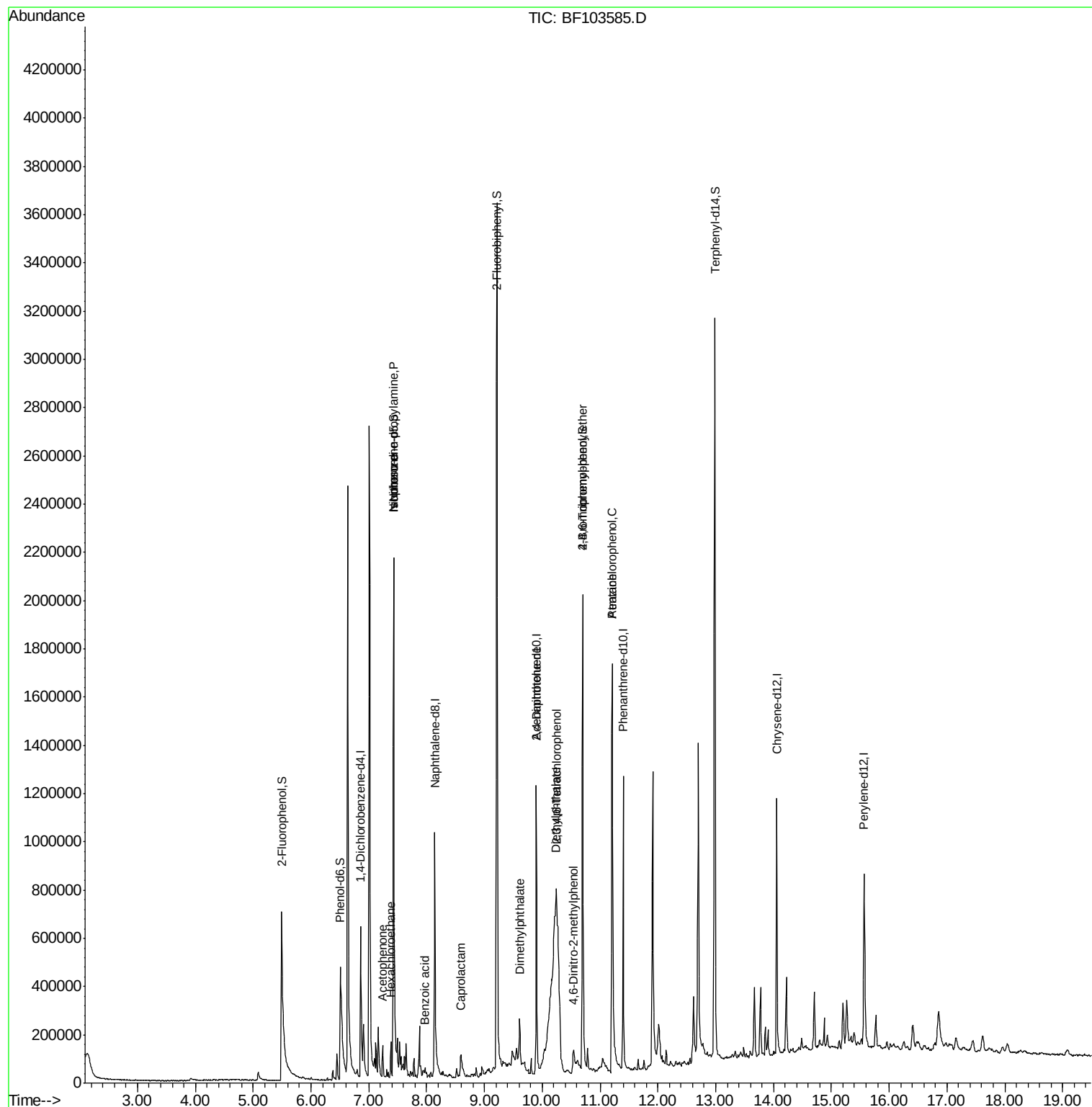
Target Compounds				Qvalue		
18) Hexachloroethane	7.38	117	10857	2.834	ng	# 1
19) n-Nitroso-di-n-propylamine	7.43	70	123111	18.286	ng	# 83
22) Acetophenone	7.24	105	50684	3.769	ng	# 59
25) Isophorone	7.43	82	941343	47.378	ng	# 64
32) Benzoic acid	7.96	122	1328	7.105	ng	# 1
35) Caprolactam	8.59	113	18096	6.729	ng	# 87
49) Dimethylphthalate	9.61	163	147365	7.149	ng	# 99
56) 2,4-Dinitrotoluene	9.90	165	35141	6.423	ng	# 24
58) 2,3,4,6-Tetrachlorophenol	10.25	232	14871	4.072	ng	# 92
59) Diethylphthalate	10.23	149	1709248	86.700	ng	# 71
64) 4,6-Dinitro-2-methylphenol	10.54	198	27121	13.692	ng	# 56
66) 4-Bromophenyl-phenylether	10.70	248	19186	4.029	ng	# 1
68) Atrazine	11.21	200	50736	10.606	ng	# 37
69) Pentachlorophenol	11.21	266	250898	100.403	ng	98

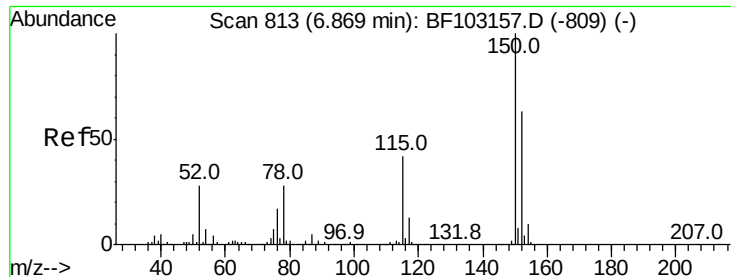
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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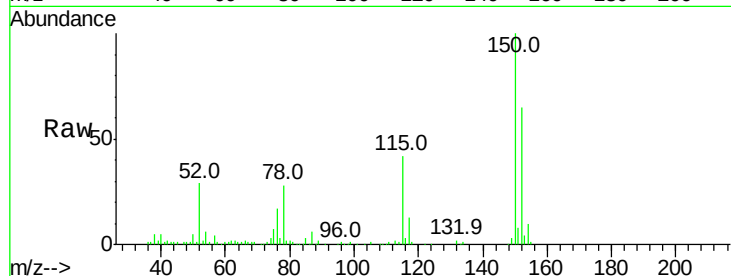


#1

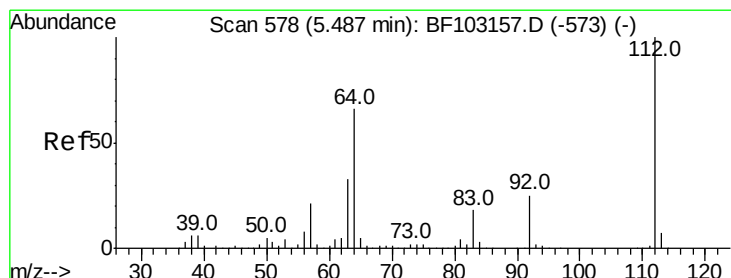
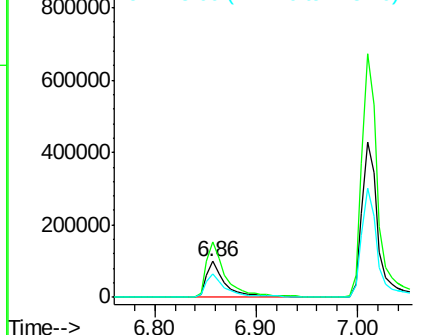
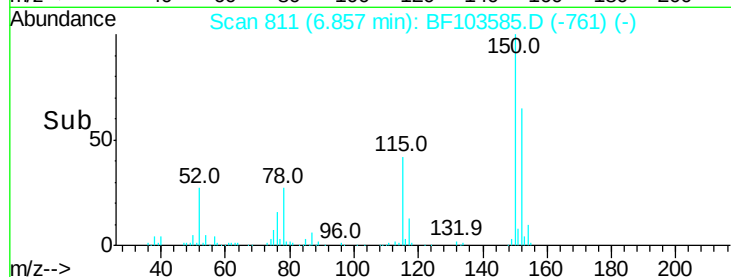
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF103585.D
Acq: 12 Mar 2018 16:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 133703
Ion Ratio Lower Upper
152 100
150 154.9 124.6 186.8
115 64.8 50.1 75.1



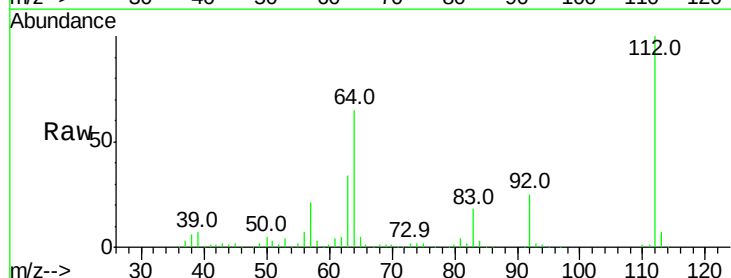
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



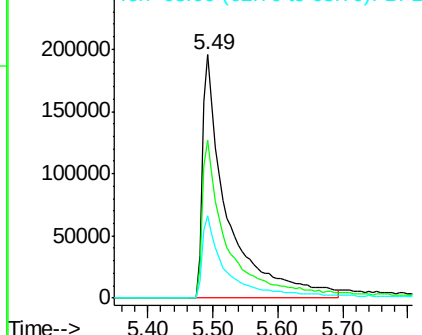
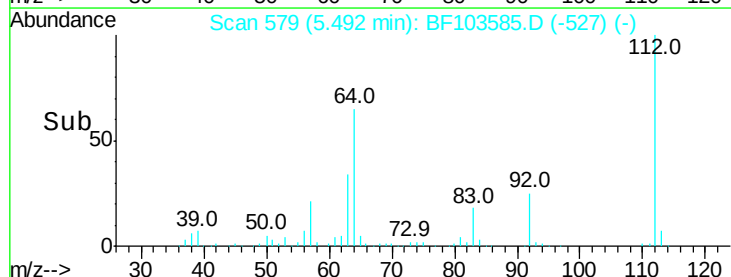
#5

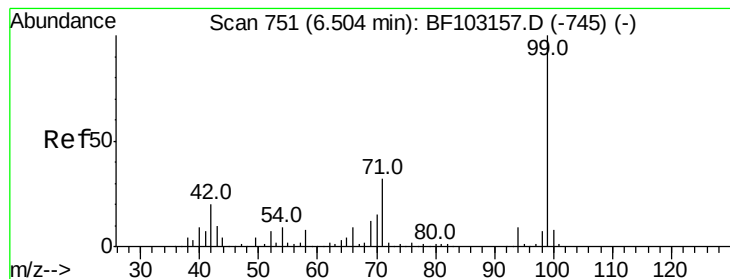
2-Fluorophenol
Concen: 58.622 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF103585.D
Acq: 12 Mar 2018 16:48

Tgt Ion:112 Resp: 518234
Ion Ratio Lower Upper
112 100
64 64.7 47.9 71.9
63 33.7 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: 38.754 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF103585.D

Acq: 12 Mar 2018 16:48

Instrument :

BNA_F

ClientSampleId :

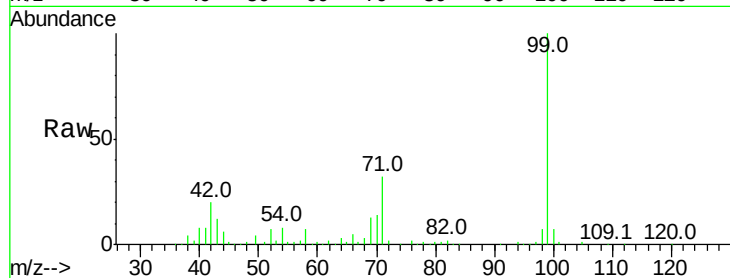
Tot Ion: 99 Resp: 419222

Ion Ratio Lower Upper

99 100

42 20.5 14.5 21.7

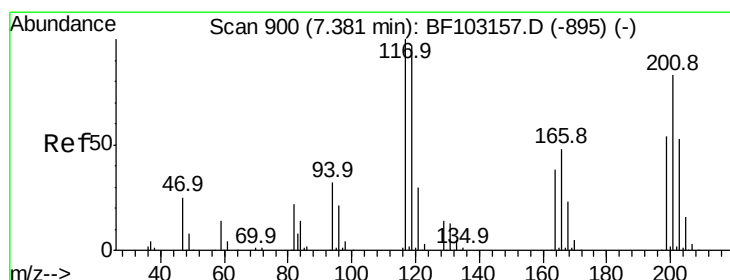
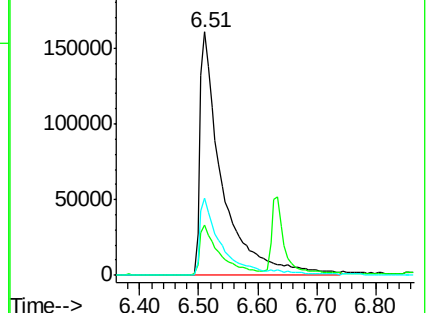
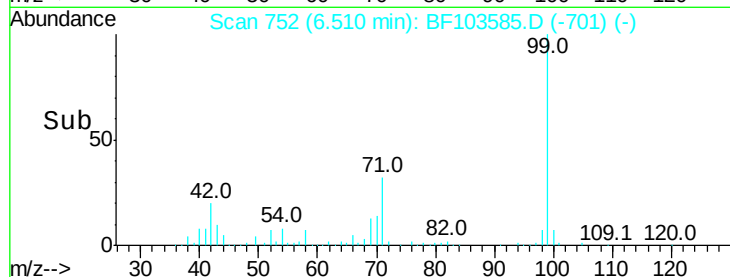
71 31.7 25.4 38.0



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



#18

Hexachloroethane

Concen: 2.834 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.01 min

Lab File: BF103585.D

Acq: 12 Mar 2018 16:48

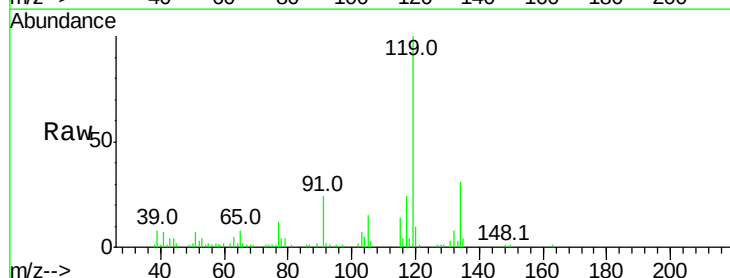
Tgt Ion: 117 Resp: 10857

Ion Ratio Lower Upper

117 100

119 422.2 75.8 113.8#

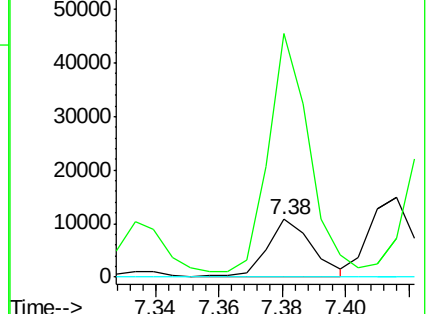
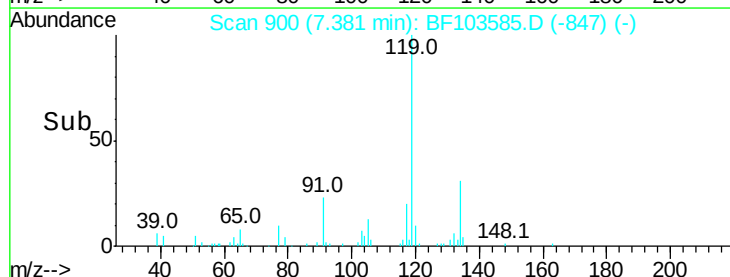
201 0.0 75.7 113.5#

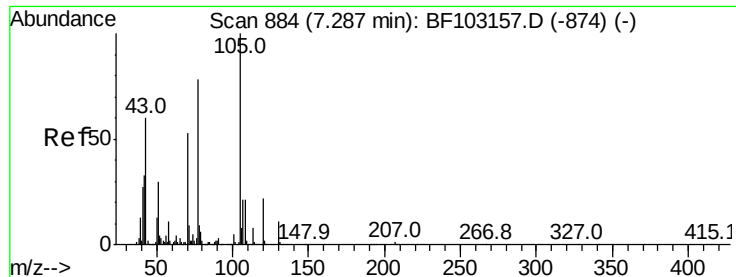


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

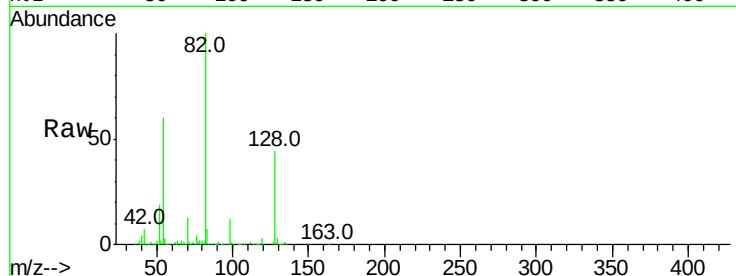




#19
n-Nitroso-di-n-propylamine
Concen: 18.286 ng
RT: 7.43 min Scan# 908
Delta R.T. 0.15 min
Lab File: BF103585.D
Acq: 12 Mar 2018 16:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	70	Resp:	123111
Ion	Ratio	Lower	Upper
70	100		
42	53.9	47.5	71.3
101	0.0	7.4	11.2#
130	2.3	16.6	25.0#

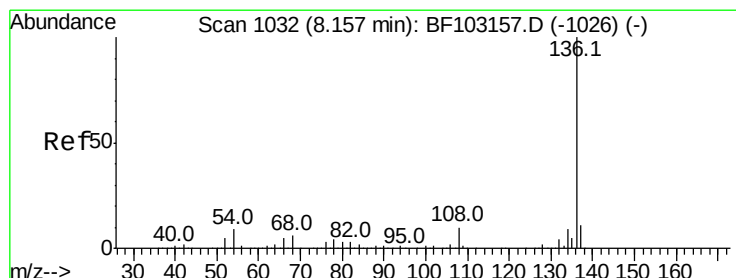
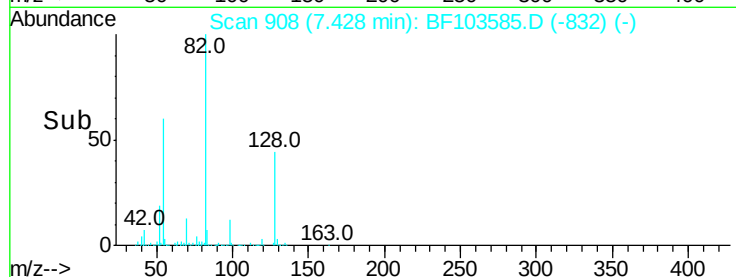
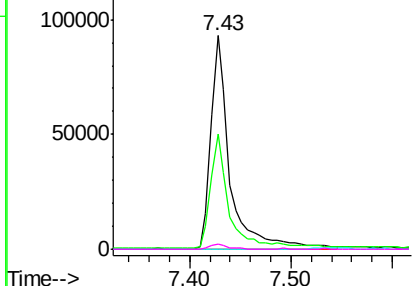


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF103585.D
Acq: 12 Mar 2018 16:48

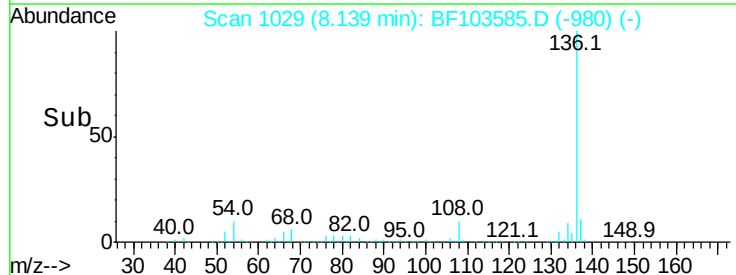
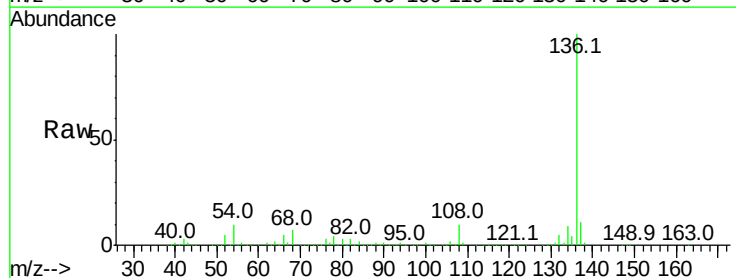
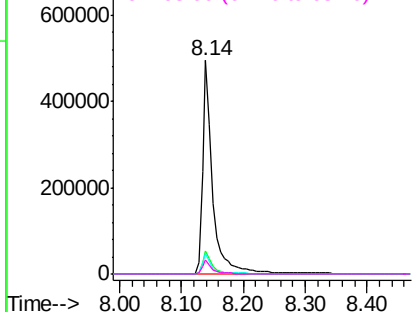
Tgt Ion:	136	Resp:	576122
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	9.7	6.6	9.8
68	6.5	5.0	7.4

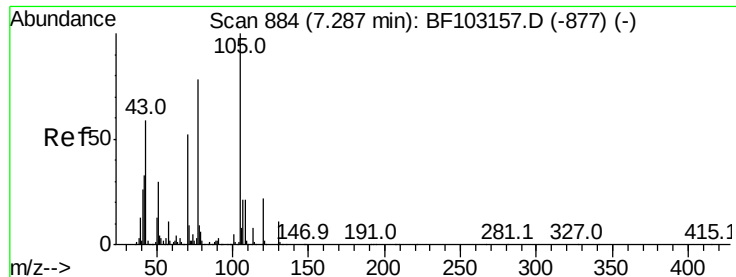
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





#22

Acetophenone

Concen: 3.769 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.04 min

Lab File: BF103585.D

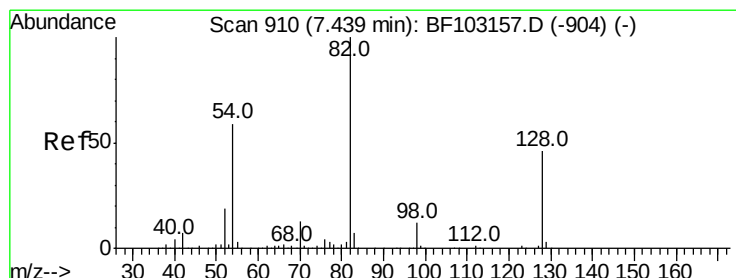
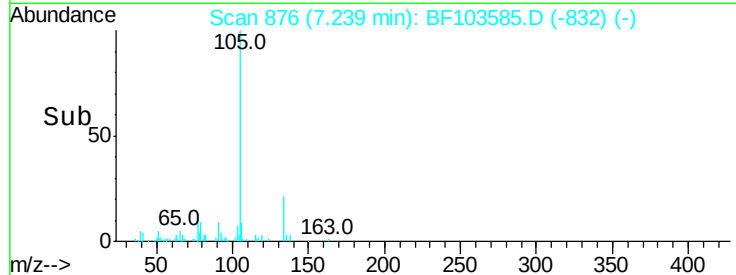
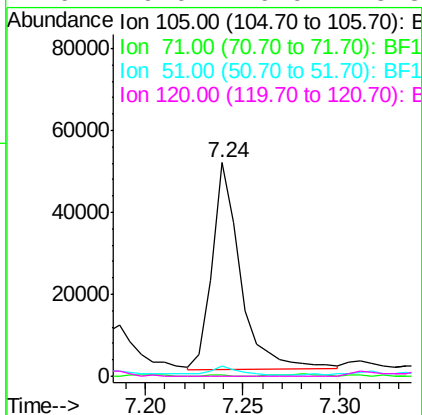
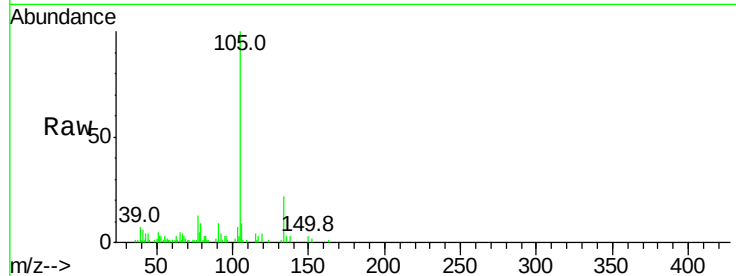
Acq: 12 Mar 2018 16:48

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	105	Resp:	50684
Ion Ratio	Lower	Upper	
105	100		
71	0.8	4.4	6.6#
51	4.7	22.3	33.5#
120	0.0	16.9	25.3#



#23

Nitrobenzene-d5

Concen: 93.268 ng

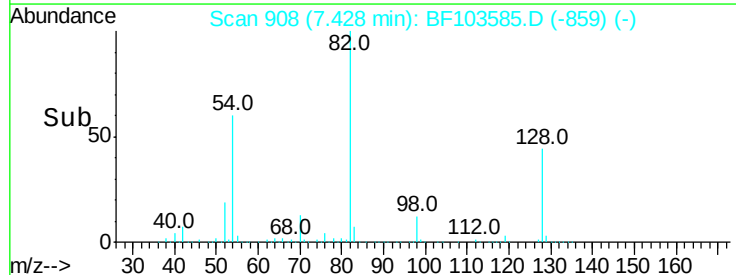
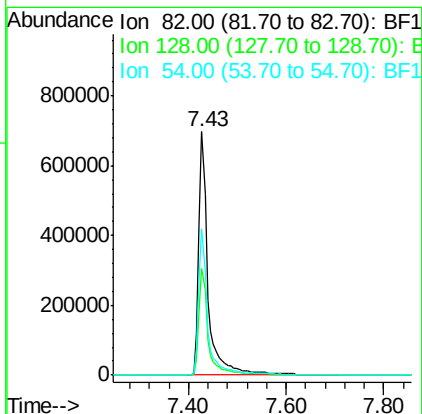
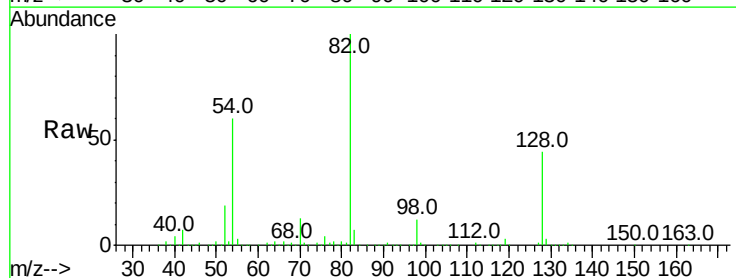
RT: 7.43 min Scan# 908

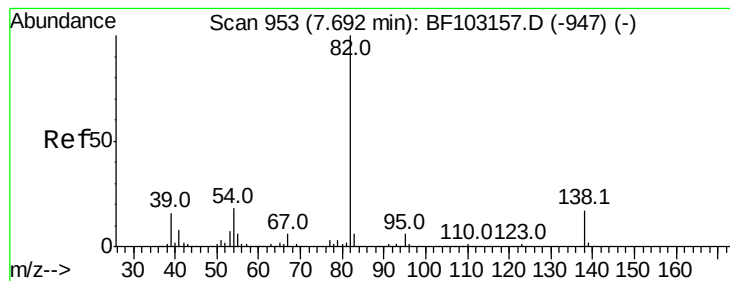
Delta R.T. -0.01 min

Lab File: BF103585.D

Acq: 12 Mar 2018 16:48

Tgt Ion:	82	Resp:	940905
Ion Ratio	Lower	Upper	
82	100		
128	43.9	36.1	54.1
54	59.9	41.4	62.2





#25

Isophorone

Concen: 47.378 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.26 min

Lab File: BF103585.D

Acq: 12 Mar 2018 16:48

Instrument :

BNA_F

ClientSampleId :

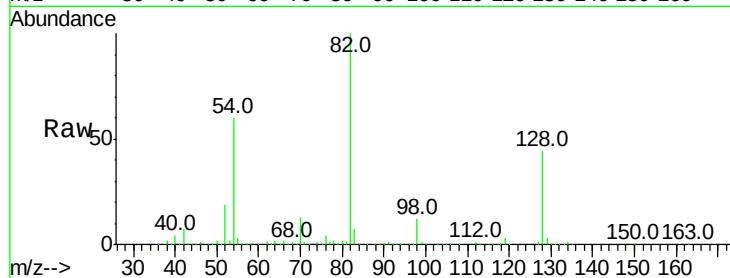
Tot Ion: 82 Resp: 941343

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

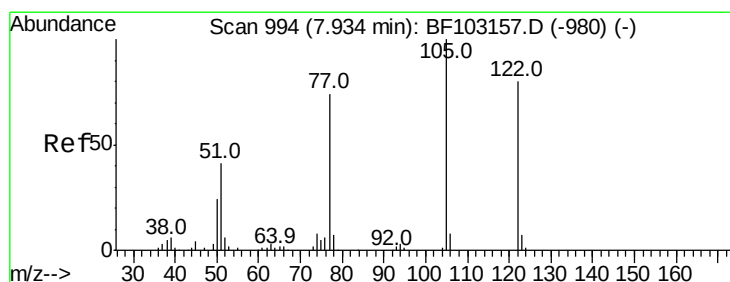
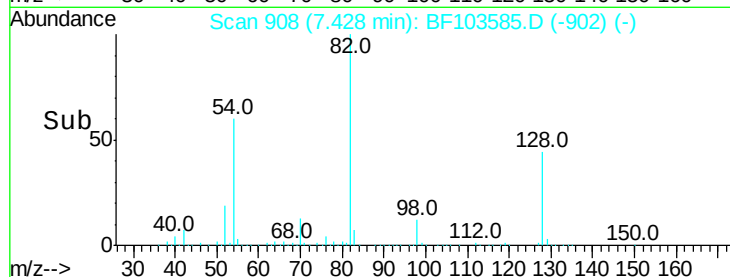
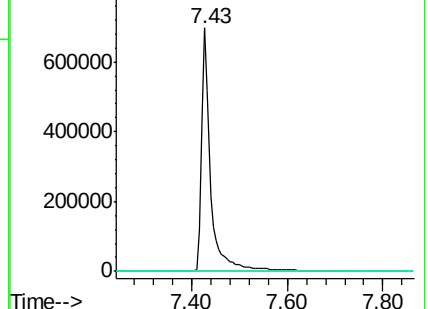
138 0.0 14.9 22.3#



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: 7.105 ng

RT: 7.96 min Scan# 999

Delta R.T. -0.01 min

Lab File: BF103585.D

Acq: 12 Mar 2018 16:48

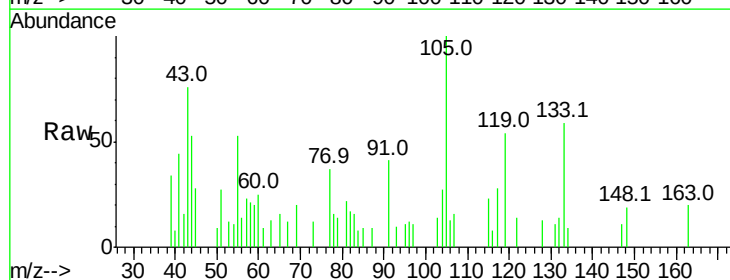
Tgt Ion: 122 Resp: 1328

Ion Ratio Lower Upper

122 100

105 713.3 101.1 141.1#

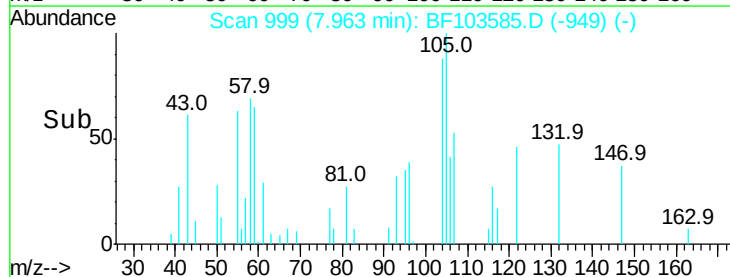
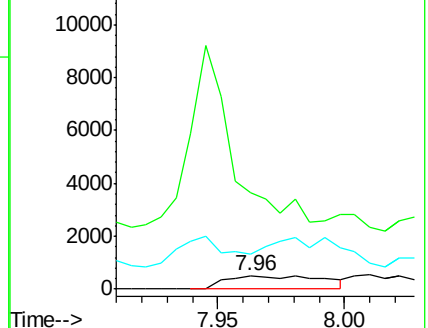
77 262.6 70.7 110.7#

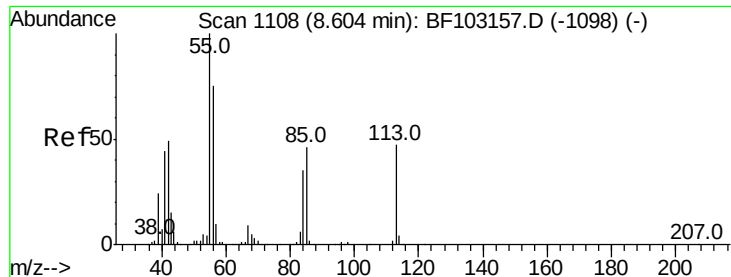


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#35

Caprolactam

Concen: 6.729 ng

RT: 8.59 min Scan# 1106

Delta R.T. -0.02 min

Lab File: BF103585.D

Acq: 12 Mar 2018 16:48

Instrument :

BNA_F

ClientSampled :

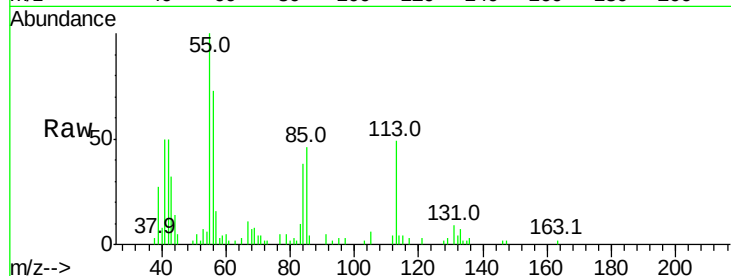
Tot Ion:113 Resp: 18096

Ion Ratio Lower Upper

113 100

55 204.1 163.3 203.3#

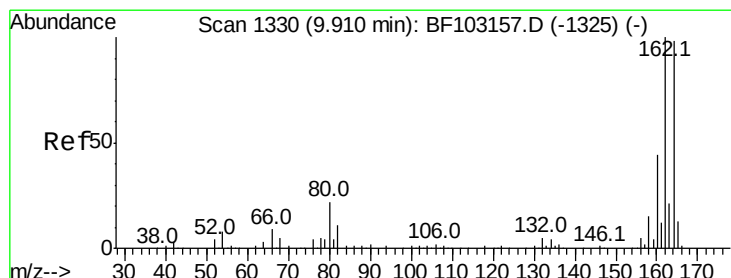
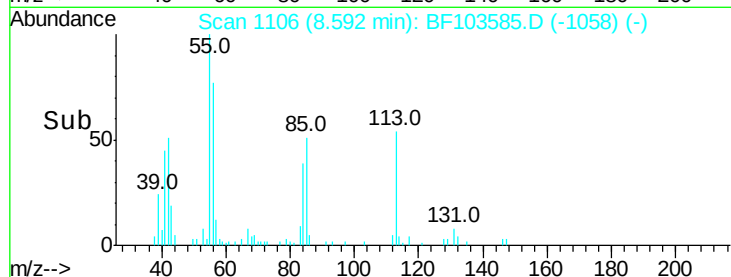
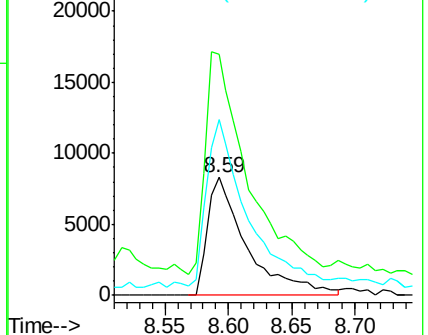
56 148.8 115.7 155.7



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF103585.D

Acq: 12 Mar 2018 16:48

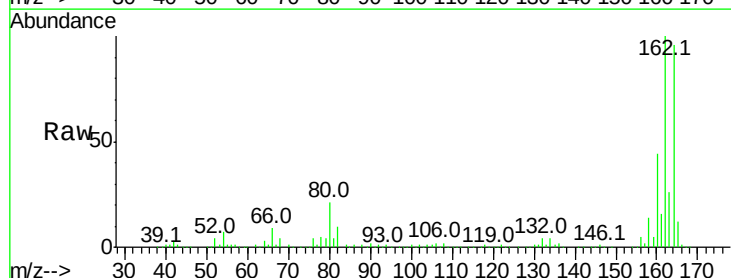
Tgt Ion:164 Resp: 256950

Ion Ratio Lower Upper

164 100

162 103.8 86.1 129.1

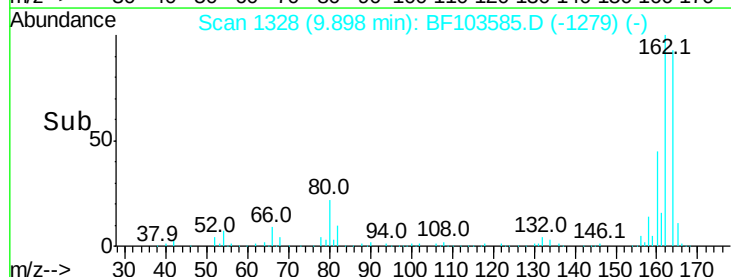
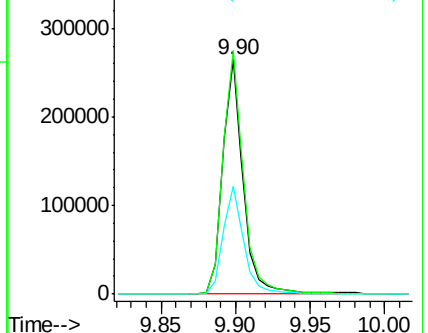
160 46.1 38.3 57.5

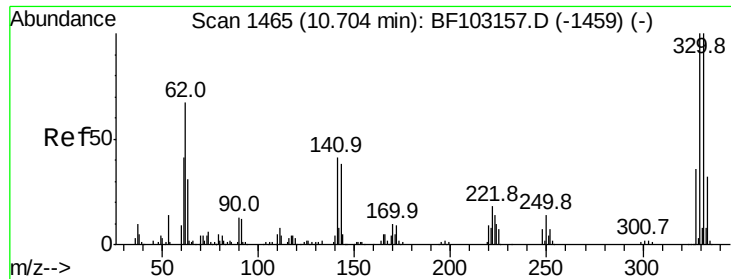


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

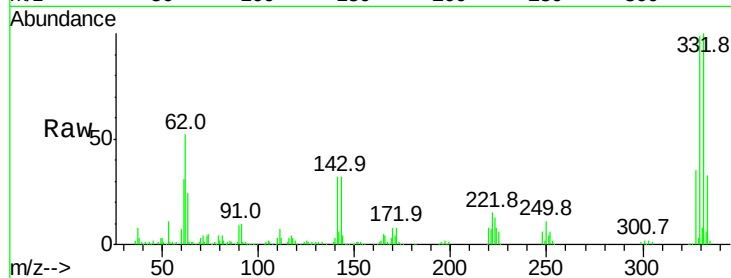




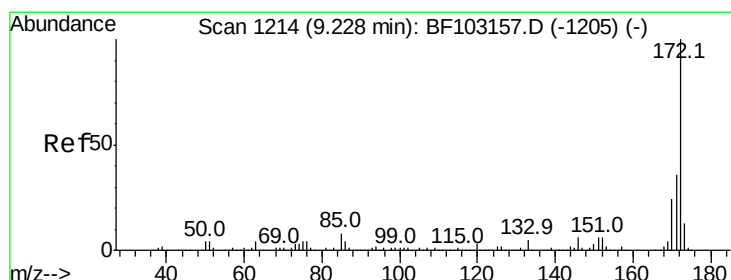
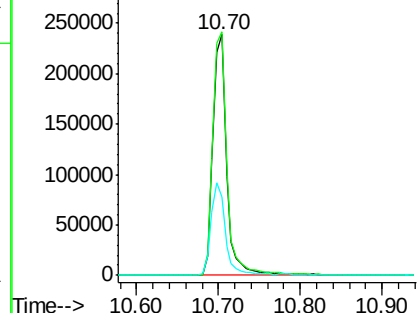
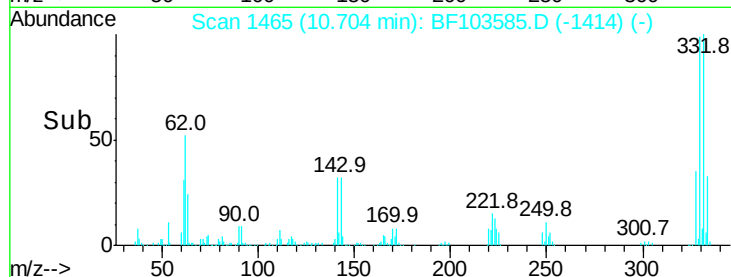
#41
 2,4,6-Tribromophenol
 Concen: 129.905 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: BF103585.D
 Acq: 12 Mar 2018 16:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 282536
 Ion Ratio Lower Upper
 330 100
 332 103.9 77.0 115.6
 141 39.8 29.9 44.9

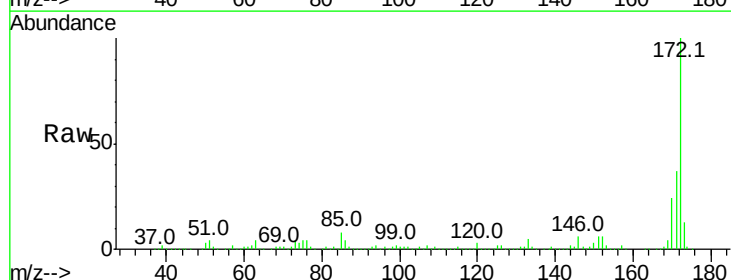


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

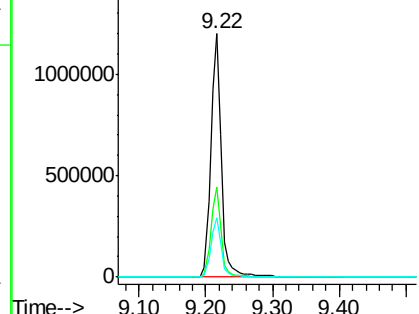
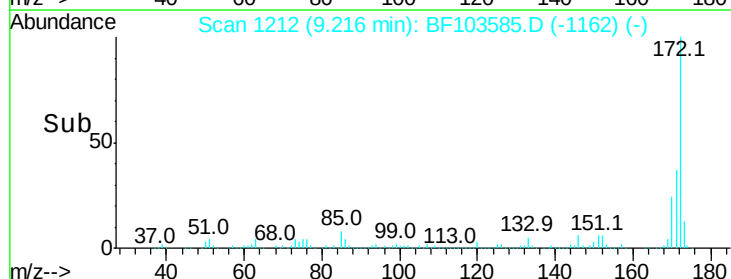


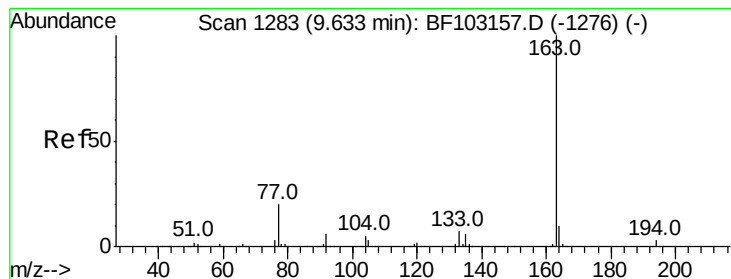
#44
 2-Fluorobiphenyl
 Concen: 89.639 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF103585.D
 Acq: 12 Mar 2018 16:48

Tgt Ion:172 Resp: 1320110
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.7 44.5
 170 24.3 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: 7.149 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.02 min

Lab File: BF103585.D

Acq: 12 Mar 2018 16:48

Instrument :

BNA_F

ClientSampleId :

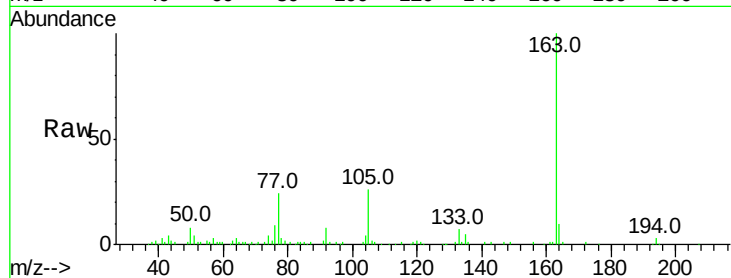
Tot Ion:163 Resp: 147365

Ion Ratio Lower Upper

163 100

194 2.7 2.7 4.1#

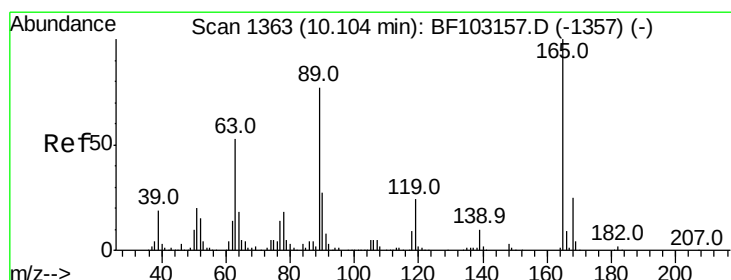
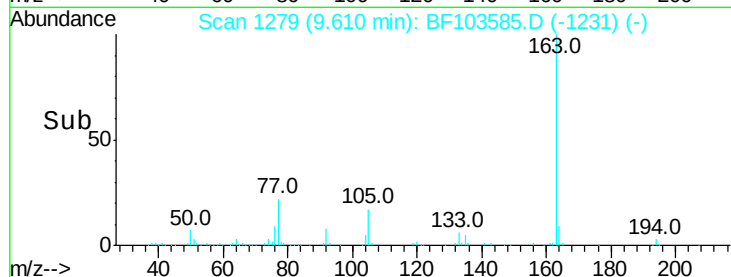
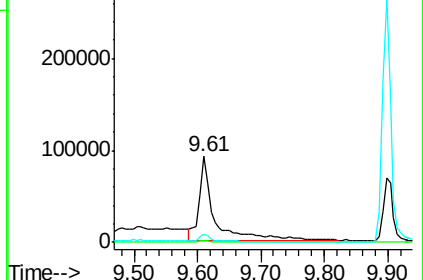
164 9.9 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 6.423 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.22 min

Lab File: BF103585.D

Acq: 12 Mar 2018 16:48

Tgt Ion:165 Resp: 35141

Ion Ratio Lower Upper

165 100

63 1.5 36.4 54.6#

89 1.7 57.8 86.6#

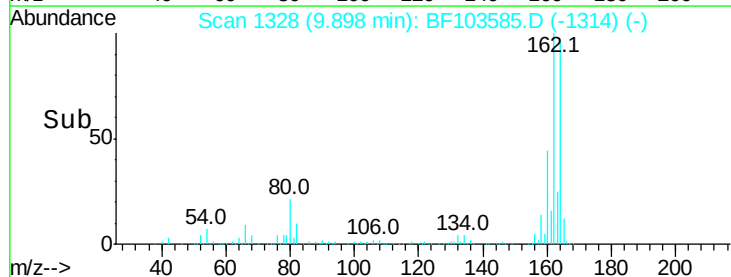
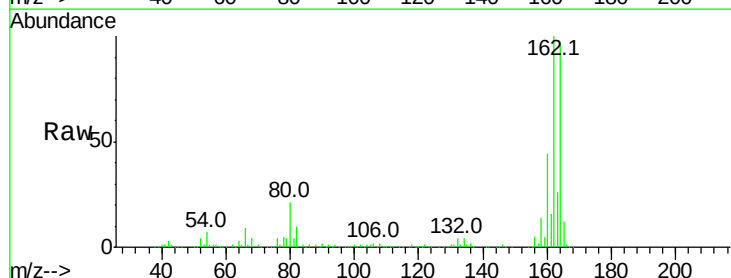
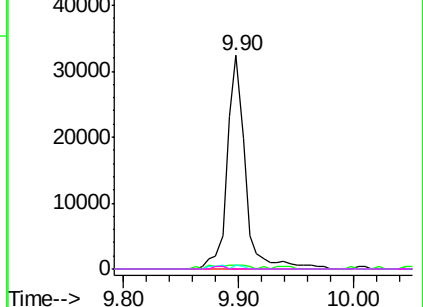
182 0.0 1.6 2.4#

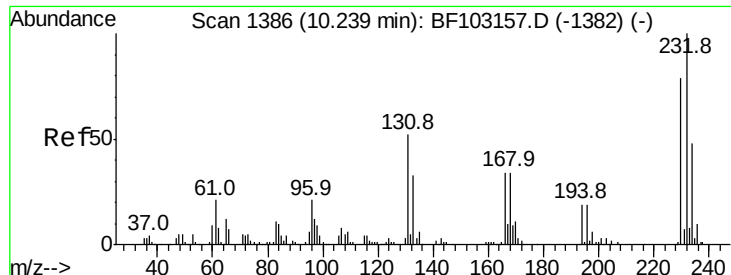
Abundance Ion 165.00 (164.70 to 165.70): E

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

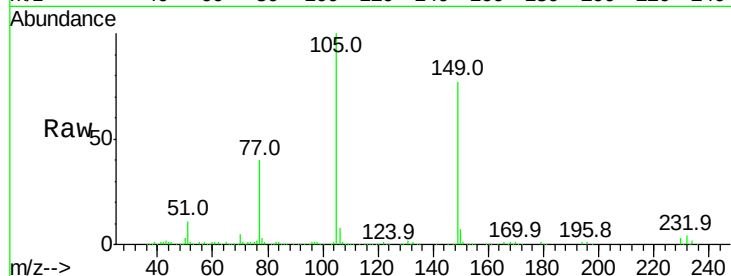




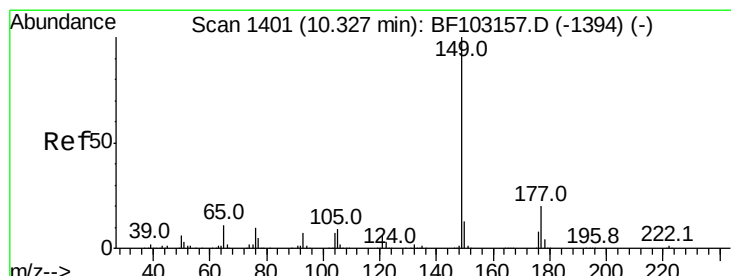
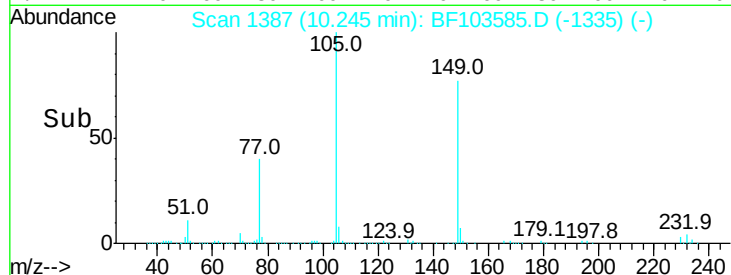
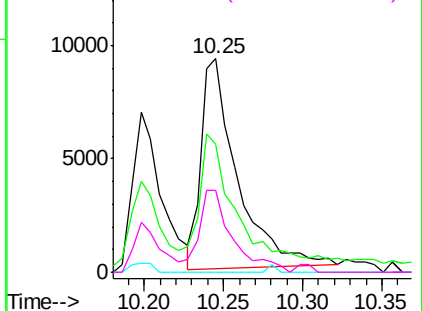
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 4.072 ng
 RT: 10.25 min Scan# 1387
 Delta R.T. 0.01 min
 Lab File: BF103585.D
 Acq: 12 Mar 2018 16:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:232 Resp: 14871
 Ion Ratio Lower Upper
 232 100
 131 63.6 43.8 65.8
 130 0.0 2.1 3.1#
 166 36.3 27.8 41.6

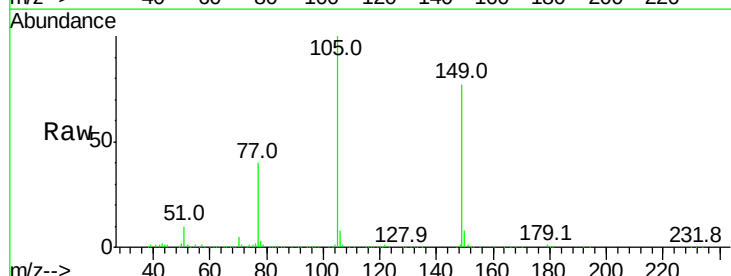


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

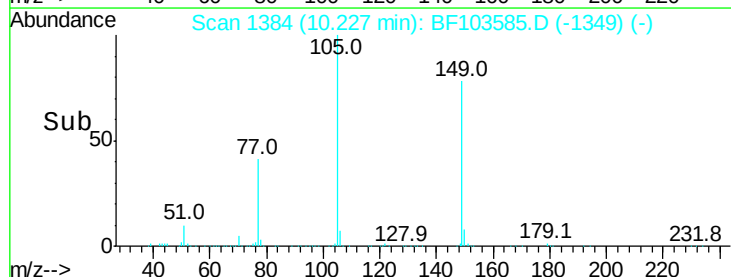
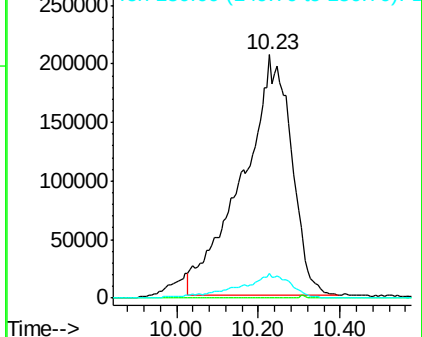


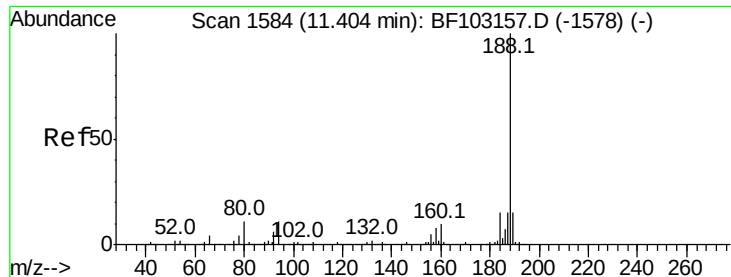
#59
 Diethylphthalate
 Concen: 86.700 ng
 RT: 10.23 min Scan# 1384
 Delta R.T. -0.09 min
 Lab File: BF103585.D
 Acq: 12 Mar 2018 16:48

Tgt Ion:149 Resp: 1709248
 Ion Ratio Lower Upper
 149 100
 177 0.0 16.1 24.1#
 150 10.2 10.1 15.1



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF103585.D

Acq: 12 Mar 2018 16:48

Instrument :

BNA_F

ClientSampleId :

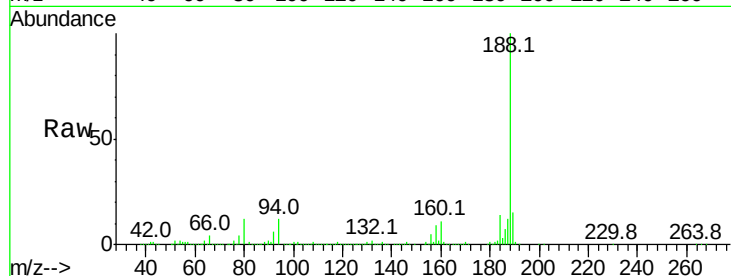
Tot Ion:188 Resp: 457092

Ion Ratio Lower Upper

188 100

94 11.6 8.5 12.7

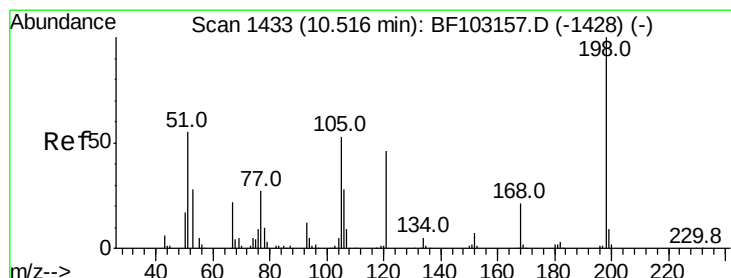
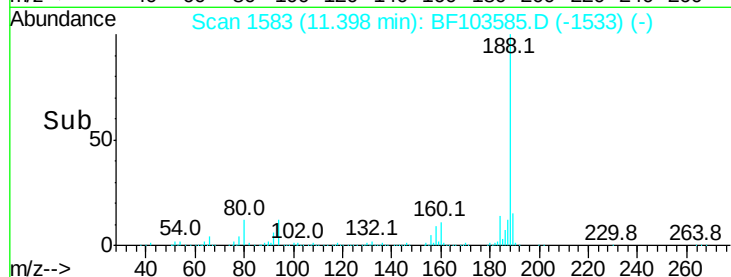
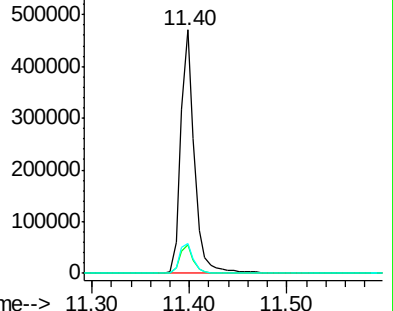
80 12.3 9.2 13.8



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



#64

4,6-Dinitro-2-methylphenol

Concen: 13.692 ng

RT: 10.54 min Scan# 1437

Delta R.T. 0.01 min

Lab File: BF103585.D

Acq: 12 Mar 2018 16:48

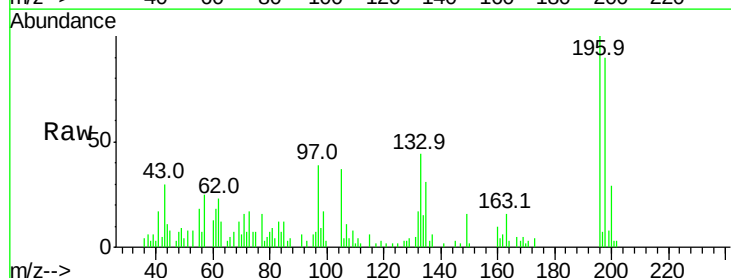
Tgt Ion:198 Resp: 27121

Ion Ratio Lower Upper

198 100

51 8.5 37.7 77.7#

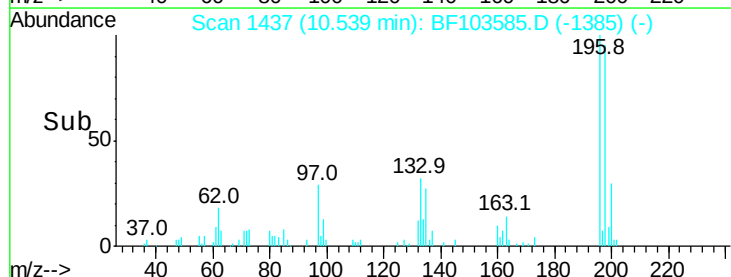
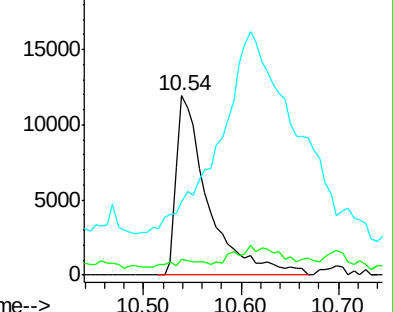
105 40.7 36.3 76.3

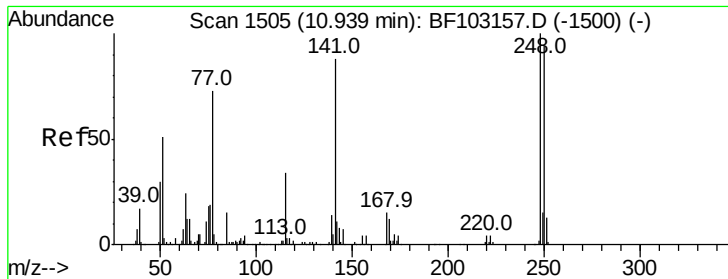


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

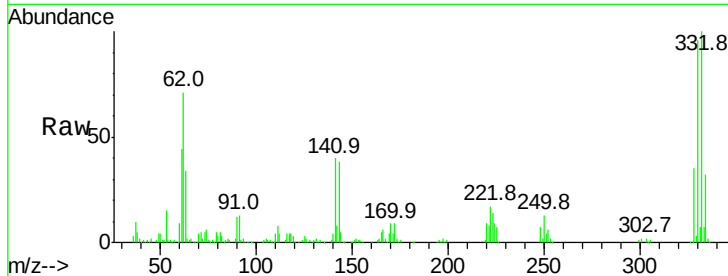




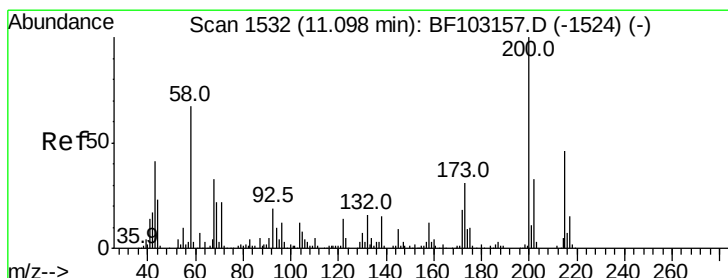
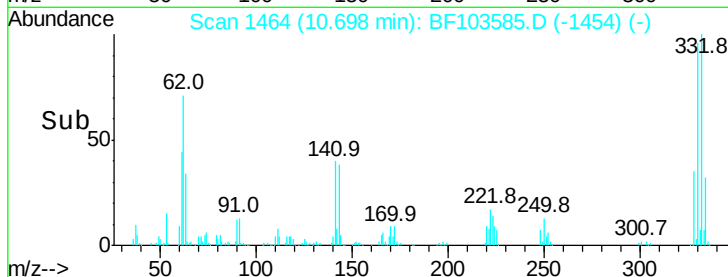
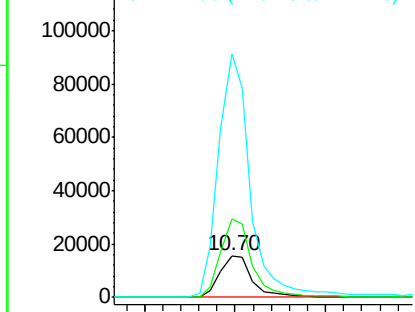
#66
4-Bromophenyl-phenylether
Concen: 4.029 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.24 min
Lab File: BF103585.D
Acq: 12 Mar 2018 16:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 19186
Ion Ratio Lower Upper
248 100
250 189.6 76.9 115.3#
141 584.2 74.4 111.6#

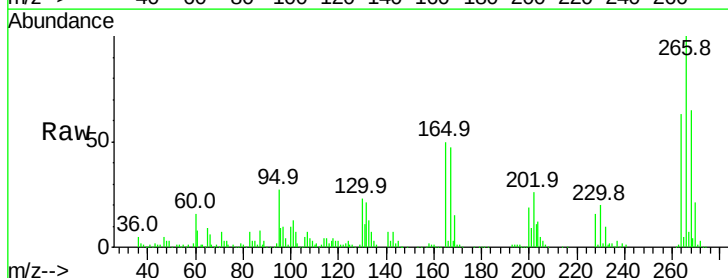


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

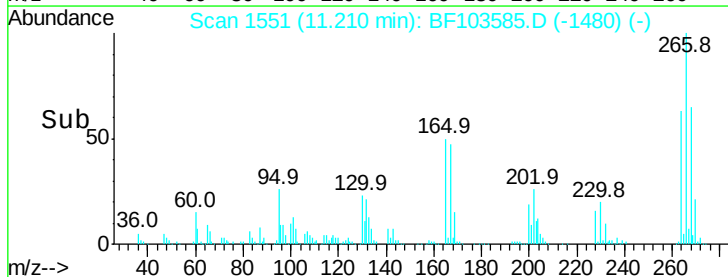
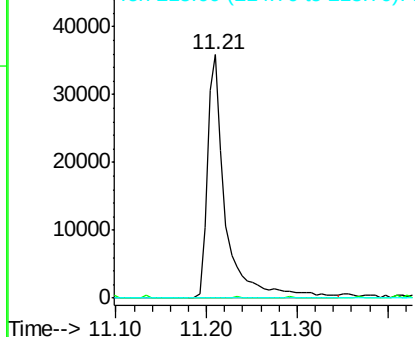


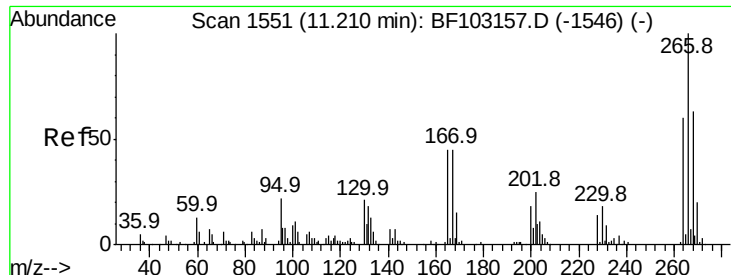
#68
Atrazine
Concen: 10.606 ng
RT: 11.21 min Scan# 1551
Delta R.T. 0.12 min
Lab File: BF103585.D
Acq: 12 Mar 2018 16:48

Tgt Ion:200 Resp: 50736
Ion Ratio Lower Upper
200 100
173 0.0 8.6 48.6#
215 0.0 25.1 65.1#



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

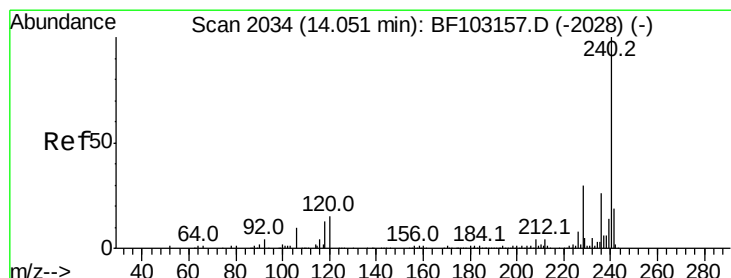
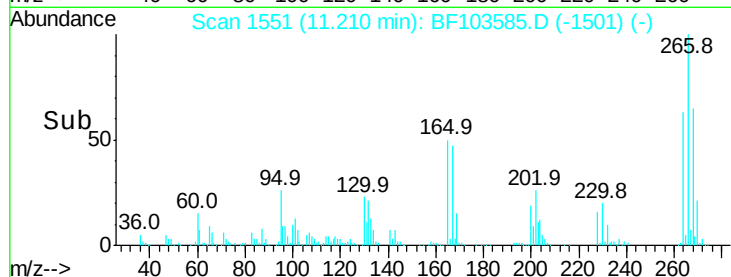
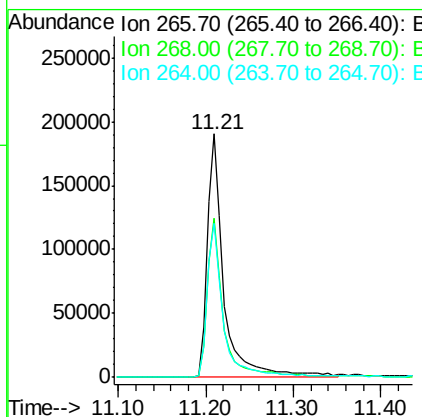
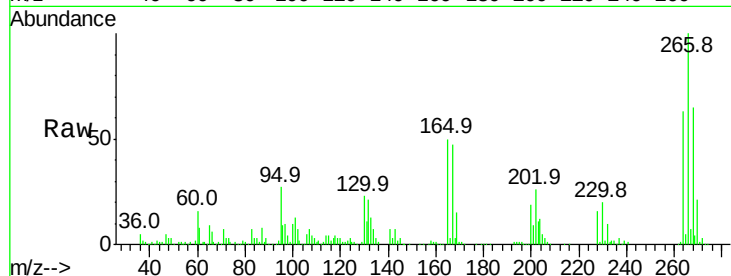




#69
 Pentachlorophenol
 Concen: 100.403 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF103585.D
 Acq: 12 Mar 2018 16:48

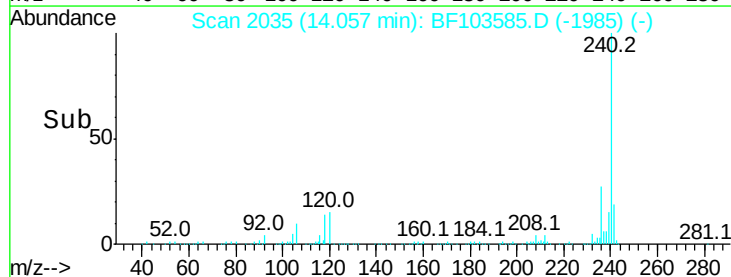
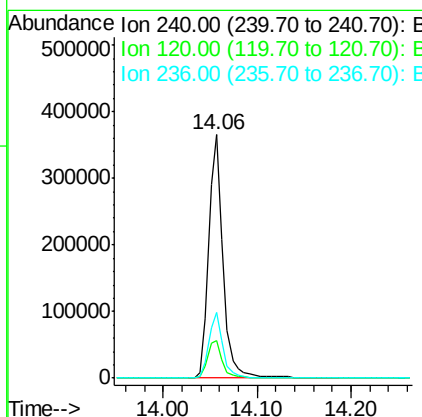
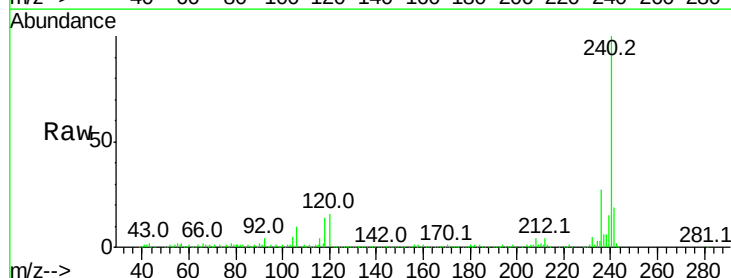
Instrument :
 BNA_F
 ClientSampled :

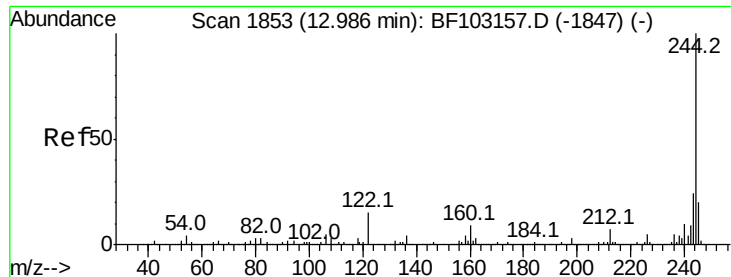
Tot Ion	Ratio	Lower	Upper
266	100		
268	65.5	51.1	76.7
264	63.1	49.5	74.3



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: BF103585.D
 Acq: 12 Mar 2018 16:48

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.6	9.5	14.3#
236	26.8	20.7	31.1





#78

Terphenyl-d14

Concen: 73.362 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.00 min

Lab File: BF103585.D

Acq: 12 Mar 2018 16:48

Instrument :

BNA_F

ClientSampled :

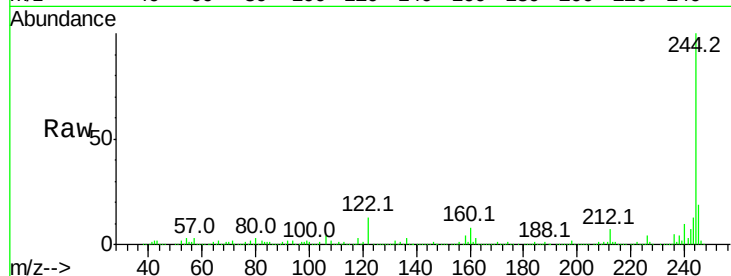
Tot Ion:244 Resp: 1203807

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

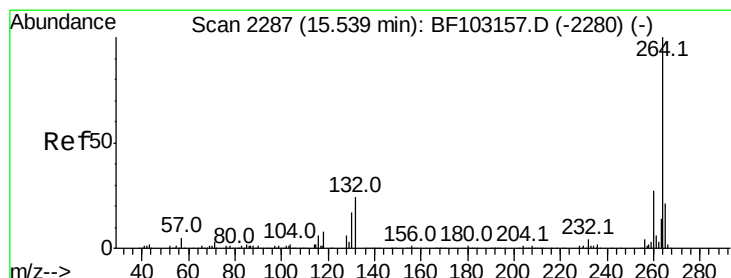
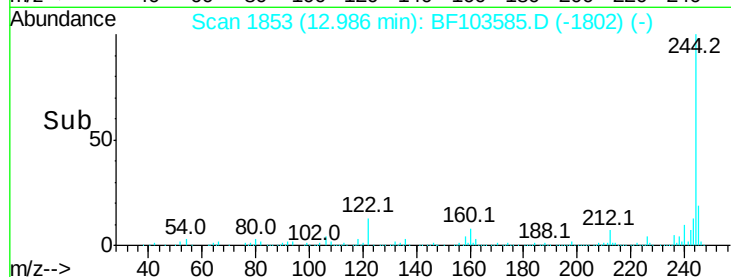
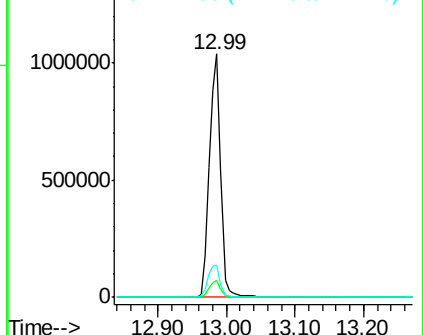
122 13.3 11.0 16.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.57 min Scan# 2292

Delta R.T. 0.00 min

Lab File: BF103585.D

Acq: 12 Mar 2018 16:48

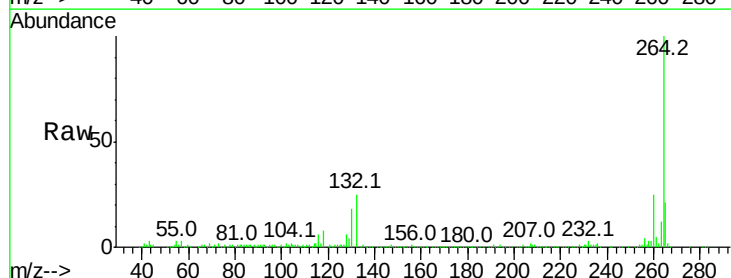
Tgt Ion:264 Resp: 363174

Ion Ratio Lower Upper

264 100

260 24.6 19.2 28.8

265 21.1 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

