

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031218\
 Data File : BF103592.D
 Acq On : 12 Mar 2018 19:56
 Operator : SJ/JU
 Sample : J1867-03DL 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 13 01:20:03 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	131992	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	611414	20.00	ng	-0.01
38) Acenaphthene-d10	9.90	164	276654	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	500481	20.00	ng	0.00
75) Chrysene-d12	14.05	240	387536	20.00	ng	-0.01
86) Perylene-d12	15.56	264	348186	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	232183	26.60	ng	0.02
7) Phenol-d6	6.53	99	205369	19.23	ng	0.02
23) Nitrobenzene-d5	7.43	82	558925	52.21	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	155951	66.60	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	887341	49.81	ng	-0.01
78) Terphenyl-d14	12.98	244	734257	45.55	ng	0.00

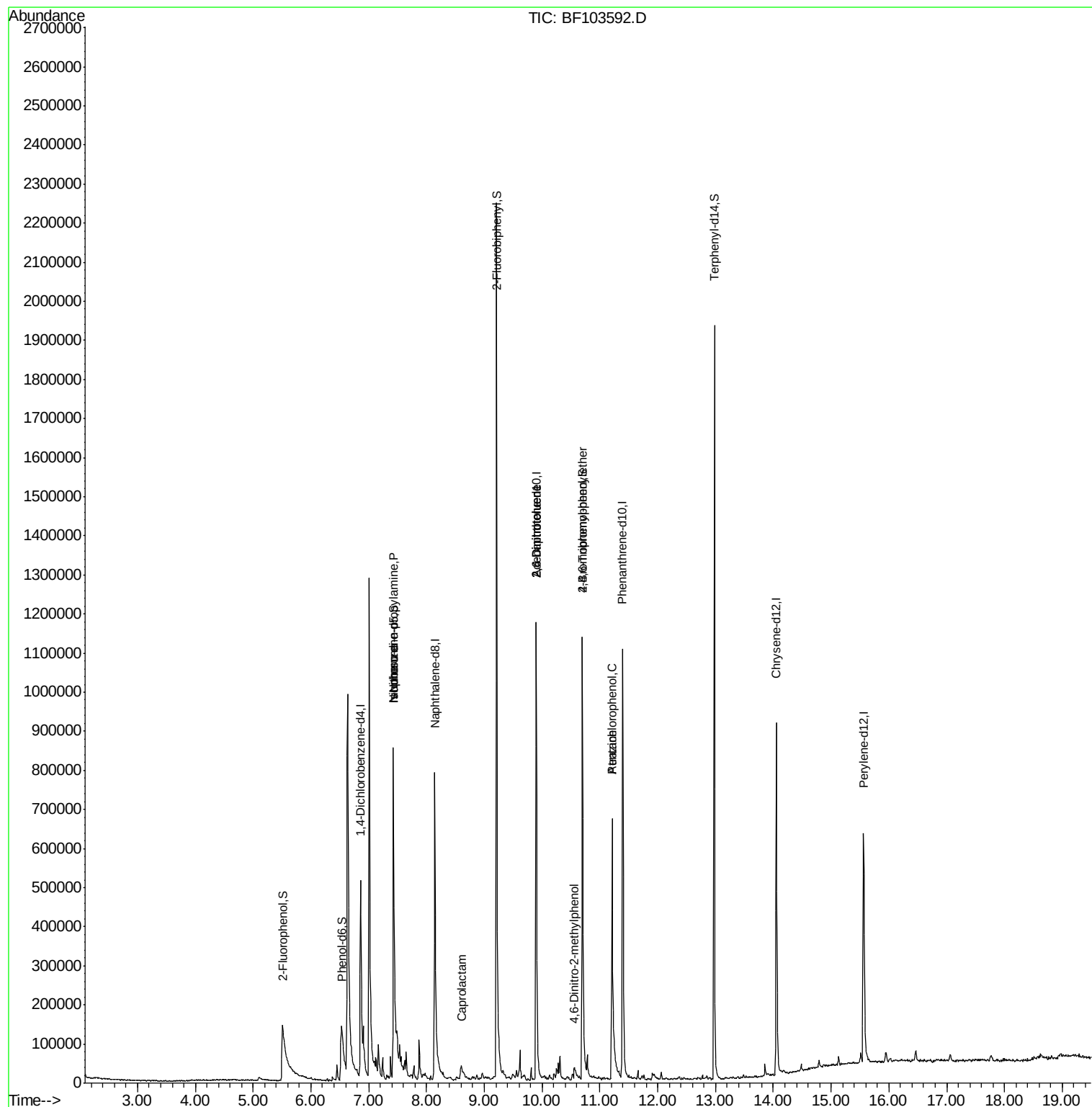
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	3207	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.43	70	70175	10.559	ng	# 84
25) Isophorone	7.43	82	564447	26.769	ng	# 64
35) Caprolactam	8.60	113	8765	3.071	ng	# 95
50) 2,6-Dinitrotoluene	9.90	165	36098	7.751	ng	# 26
56) 2,4-Dinitrotoluene	9.90	165	36520	6.200	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.56	198	12901	8.745	ng	# 30
66) 4-Bromophenyl-phenylether	10.70	248	11458	2.198	ng	# 1
68) Atrazine	11.21	200	23132	4.416	ng	# 37
69) Pentachlorophenol	11.21	266	116226	42.479	ng	# 99

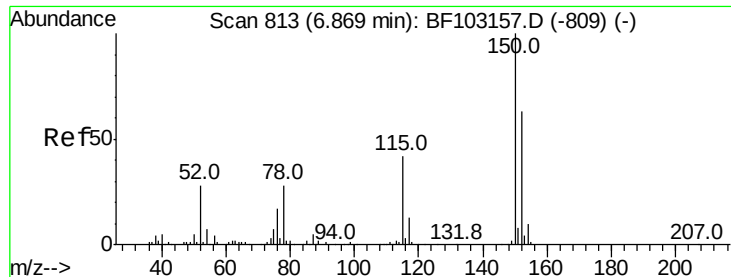
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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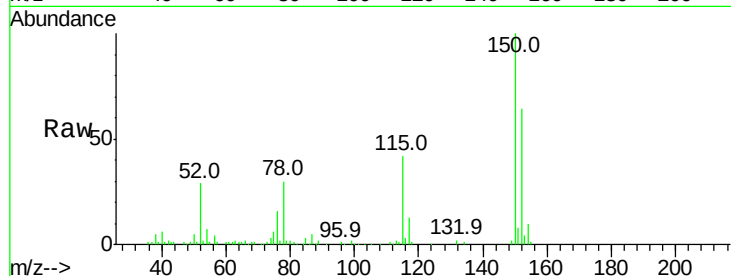


#1

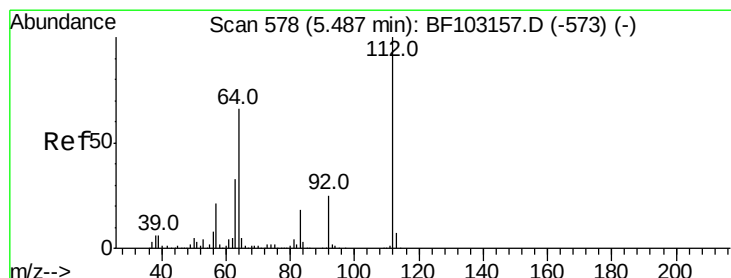
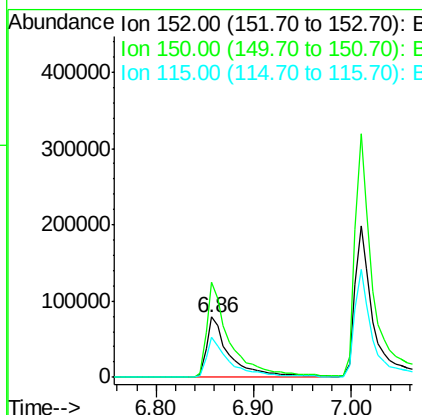
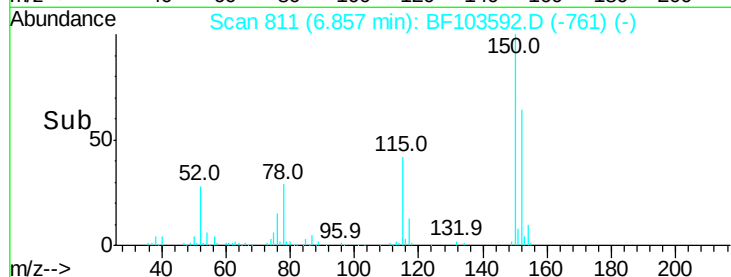
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF103592.D
Acq: 12 Mar 2018 19:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.6	186.8
115	66.3	50.1	75.1



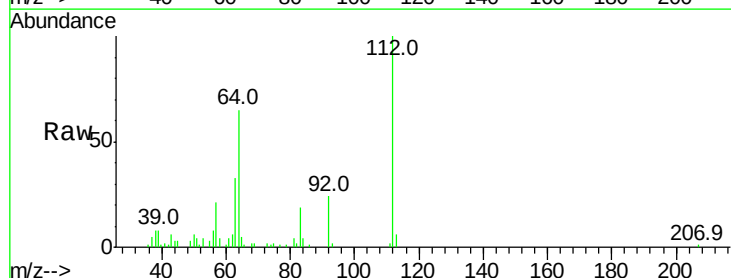
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



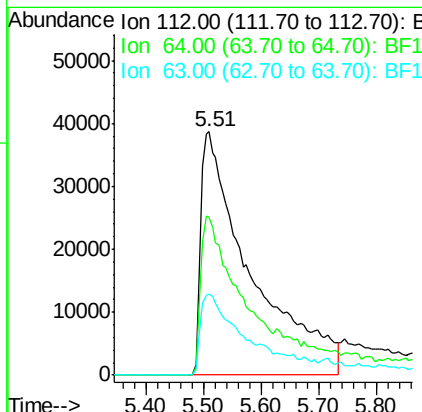
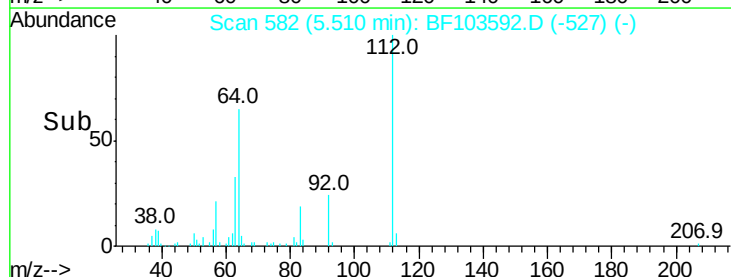
#5

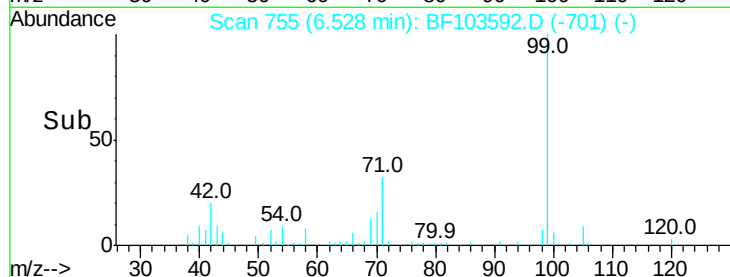
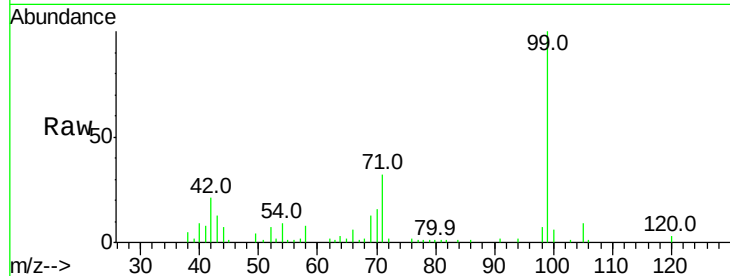
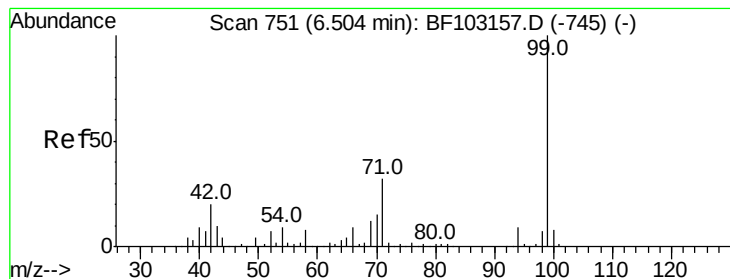
2-Fluorophenol
Concen: 26.605 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.02 min
Lab File: BF103592.D
Acq: 12 Mar 2018 19:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.6	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: 19.231 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.02 min

Lab File: BF103592.D

Acq: 12 Mar 2018 19:56

Instrument :

BNA_F

ClientSampleId :

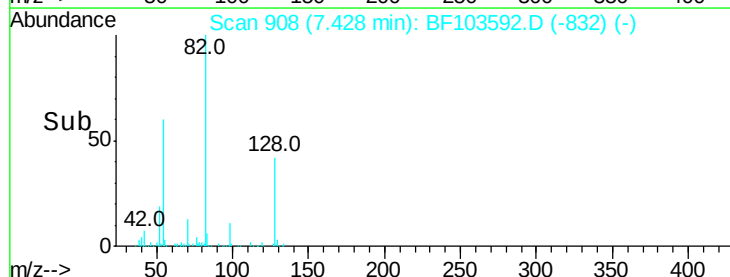
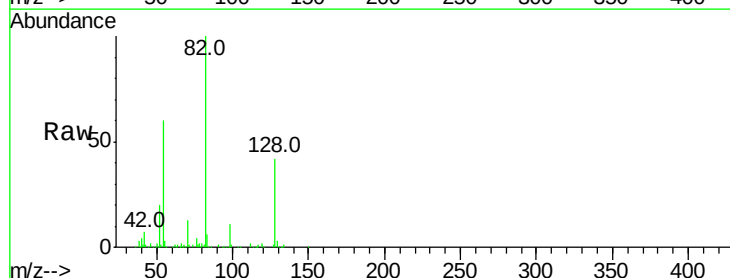
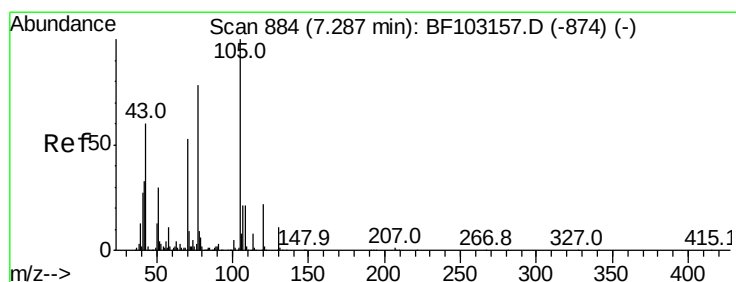
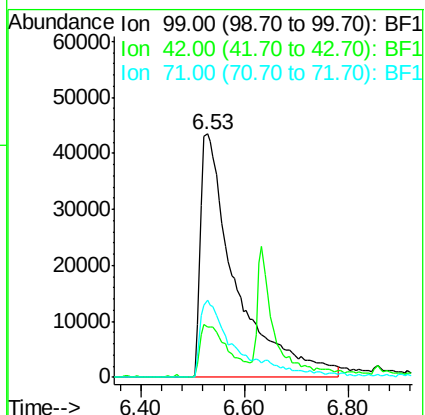
Tot Ion: 99 Resp: 205369

Ion Ratio Lower Upper

99 100

42 20.5 14.5 21.7

71 31.5 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 10.559 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.15 min

Lab File: BF103592.D

Acq: 12 Mar 2018 19:56

Tgt Ion: 70 Resp: 70175

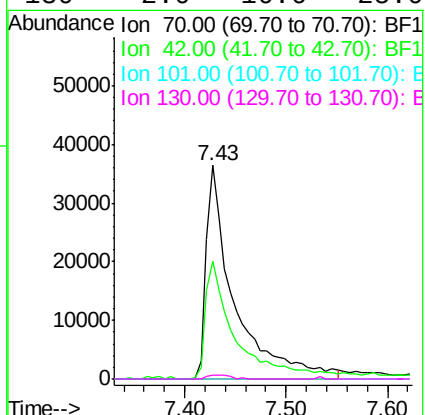
Ion Ratio Lower Upper

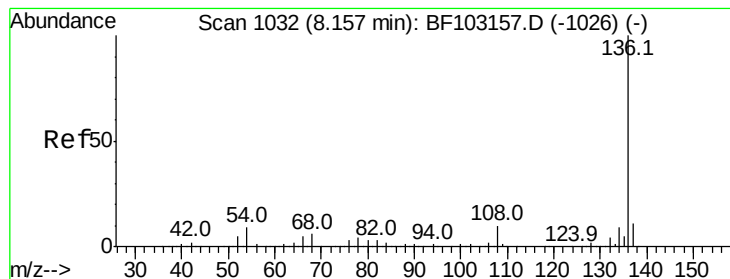
70 100

42 55.1 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF103592.D

Acq: 12 Mar 2018 19:56

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 611414

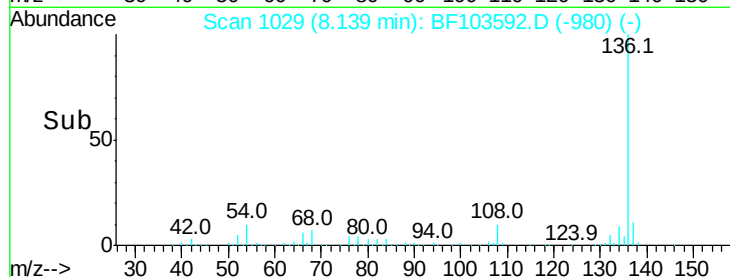
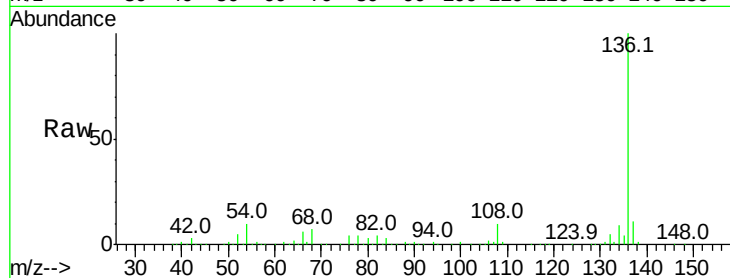
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 9.8 6.6 9.8

68 6.9 5.0 7.4

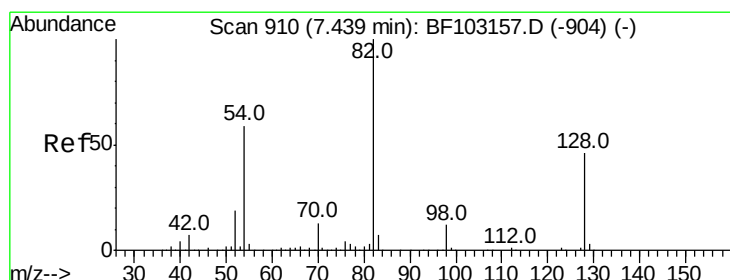
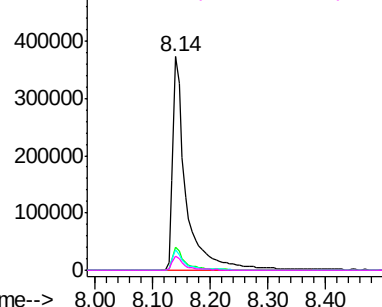


Abundance Ion 136.00 (135.70 to 136.70): E

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: 52.206 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF103592.D

Acq: 12 Mar 2018 19:56

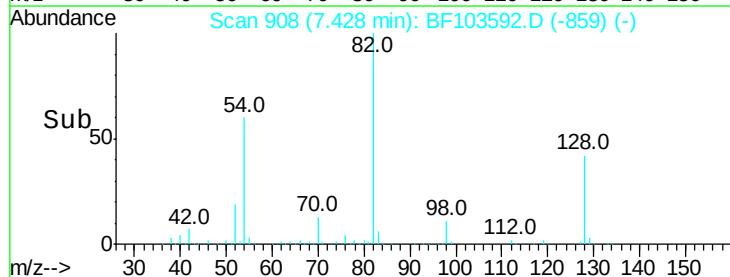
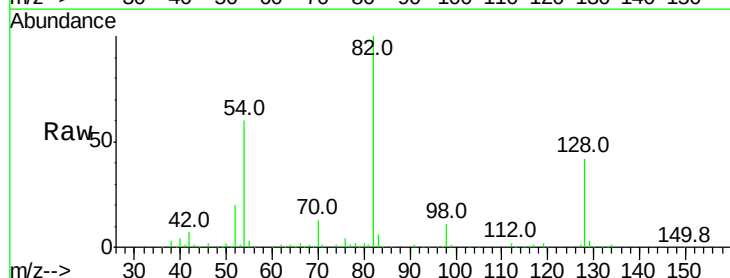
Tgt Ion: 82 Resp: 558925

Ion Ratio Lower Upper

82 100

128 42.4 36.1 54.1

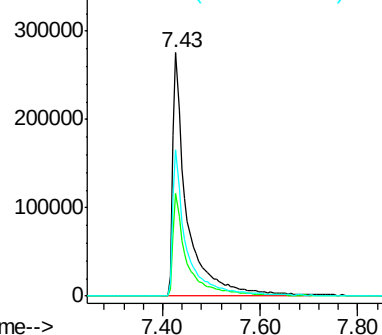
54 60.1 41.4 62.2

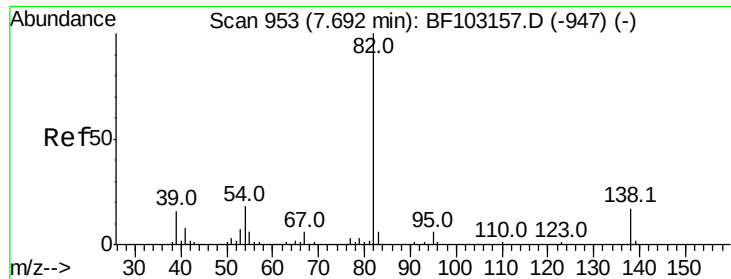


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 26.769 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.26 min

Lab File: BF103592.D

Acq: 12 Mar 2018 19:56

Instrument :

BNA_F

ClientSampleId :

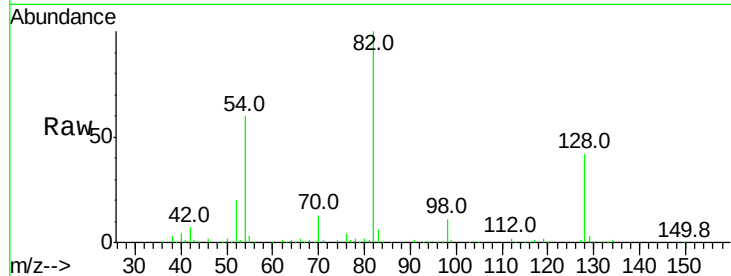
Tot Ion: 82 Resp: 564447

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

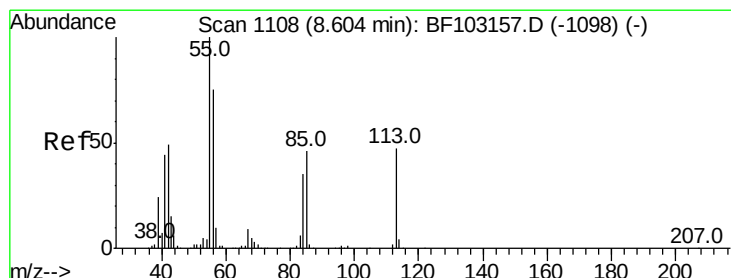
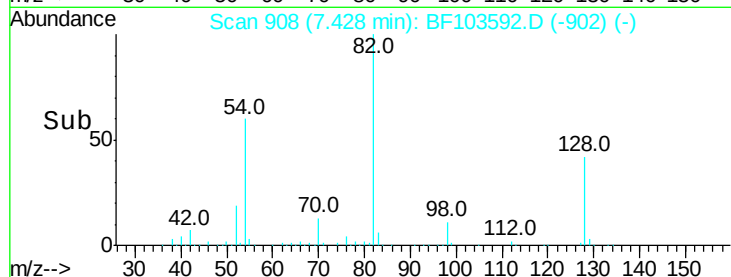
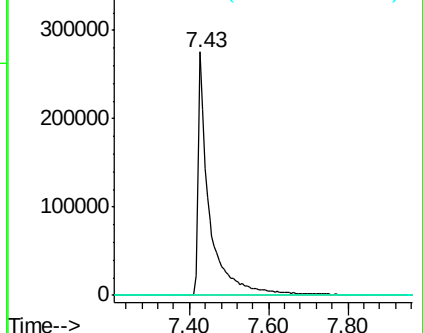
138 0.0 14.9 22.3#



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



#35

Caprolactam

Concen: 3.071 ng

RT: 8.60 min Scan# 1107

Delta R.T. -0.01 min

Lab File: BF103592.D

Acq: 12 Mar 2018 19:56

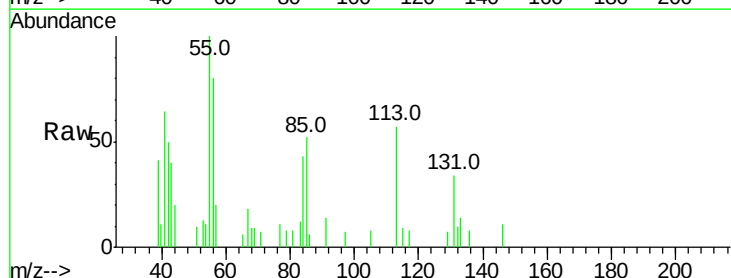
Tgt Ion: 113 Resp: 8765

Ion Ratio Lower Upper

113 100

55 176.5 163.3 203.3

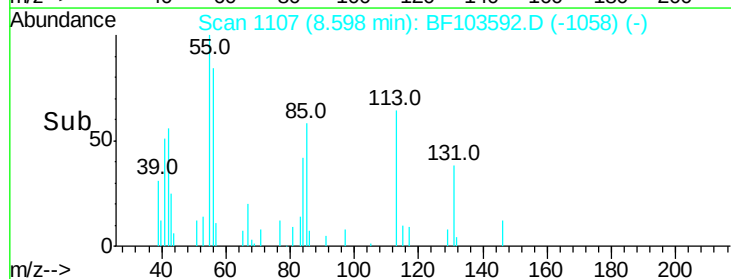
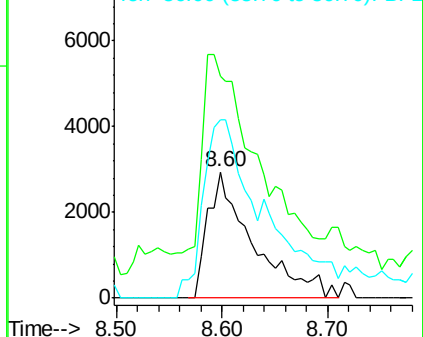
56 141.6 115.7 155.7

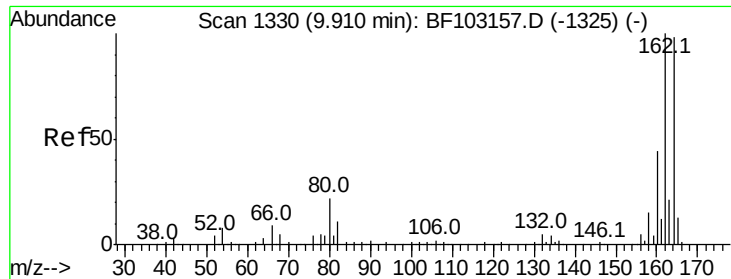


Abundance Ion 113.00 (112.70 to 113.70): BF1

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1

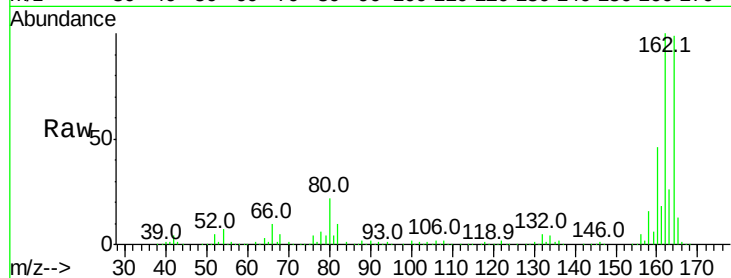




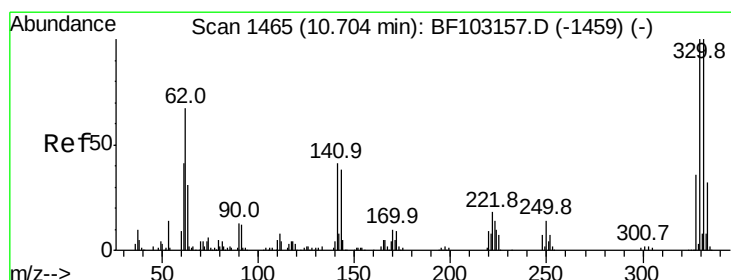
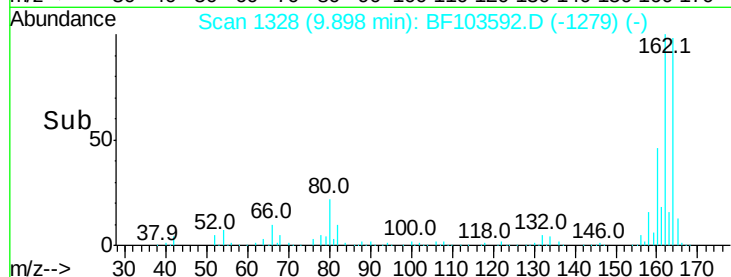
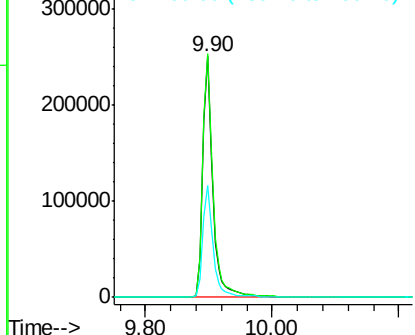
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF103592.D
Acq: 12 Mar 2018 19:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 276654
Ion Ratio Lower Upper
164 100
162 101.2 86.1 129.1
160 46.3 38.3 57.5

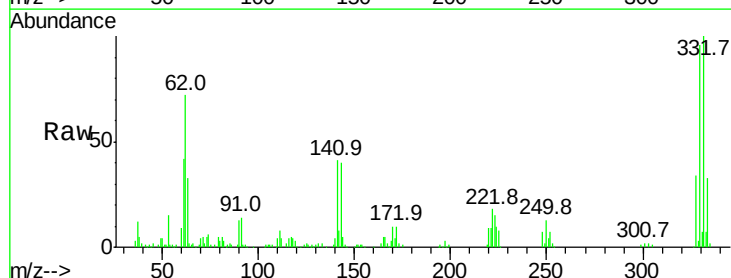


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

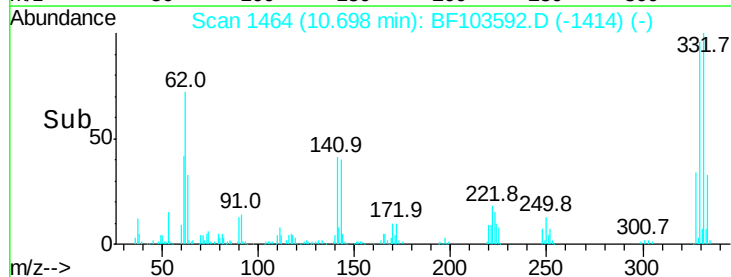
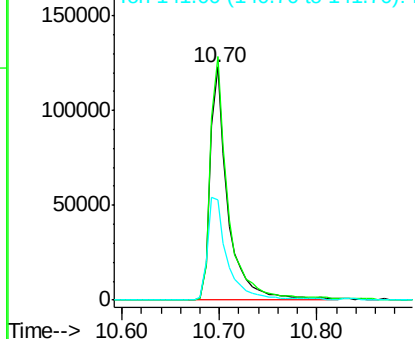


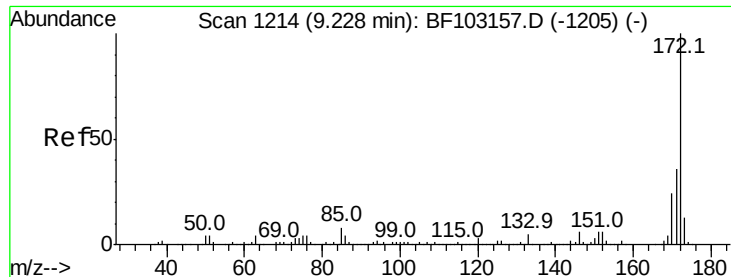
#41
2,4,6-Tribromophenol
Concen: 66.597 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.01 min
Lab File: BF103592.D
Acq: 12 Mar 2018 19:56

Tgt Ion:330 Resp: 155951
Ion Ratio Lower Upper
330 100
332 104.9 77.0 115.6
141 48.5 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

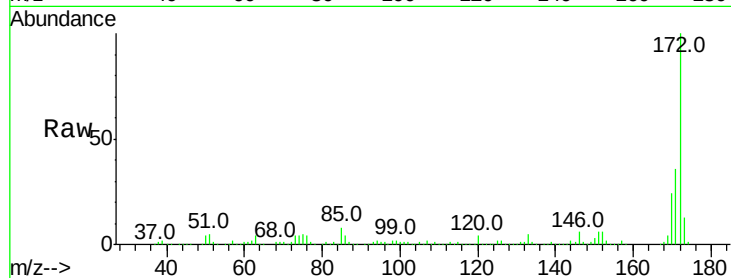




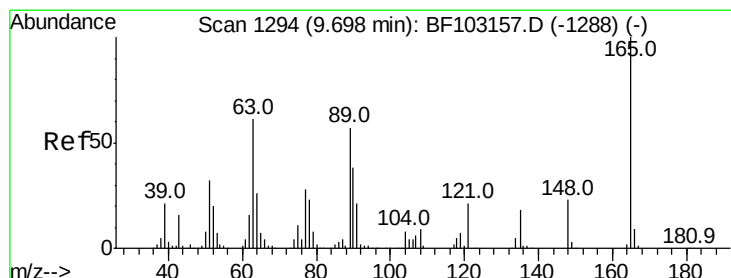
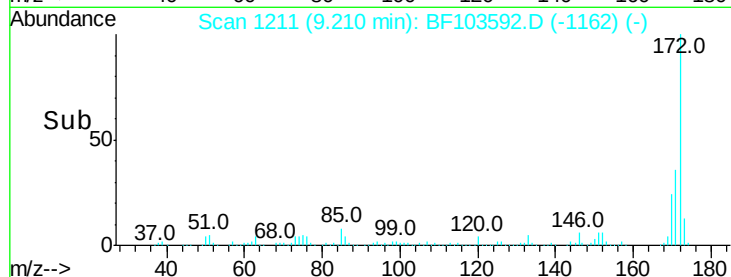
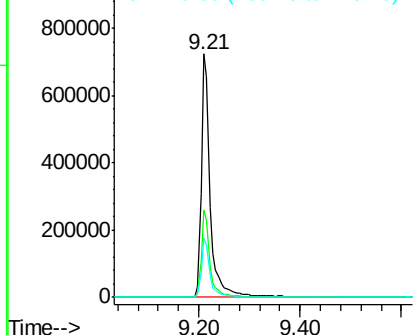
#44
 2-Fluorobiphenyl
 Concen: 49.810 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF103592.D
 Acq: 12 Mar 2018 19:56

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 887341
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.7 44.5
 170 24.3 19.6 29.4

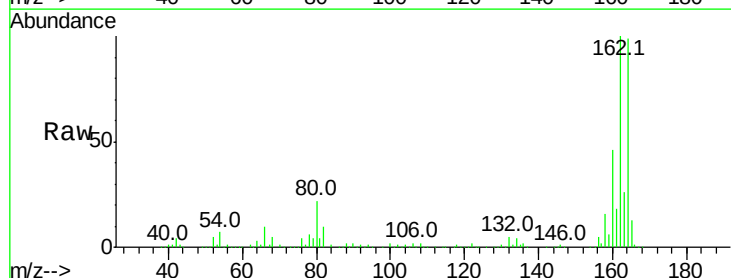


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

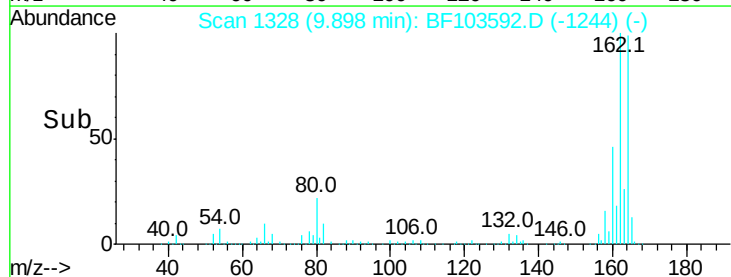
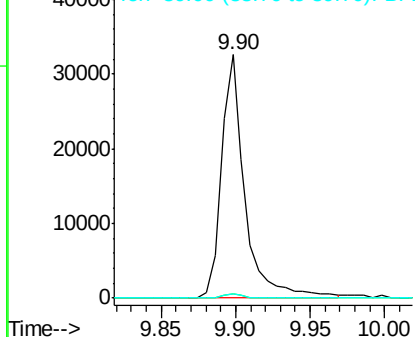


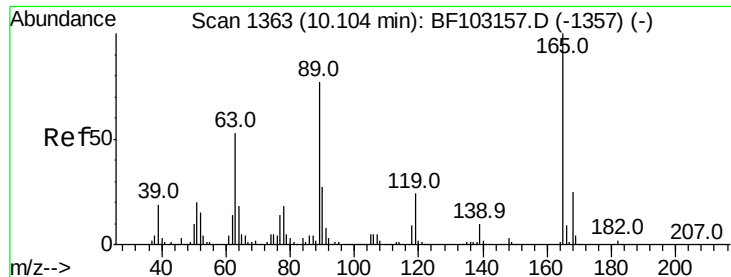
#50
 2,6-Dinitrotoluene
 Concen: 7.751 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.19 min
 Lab File: BF103592.D
 Acq: 12 Mar 2018 19:56

Tgt Ion:165 Resp: 36098
 Ion Ratio Lower Upper
 165 100
 63 1.9 44.7 67.1#
 89 1.6 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

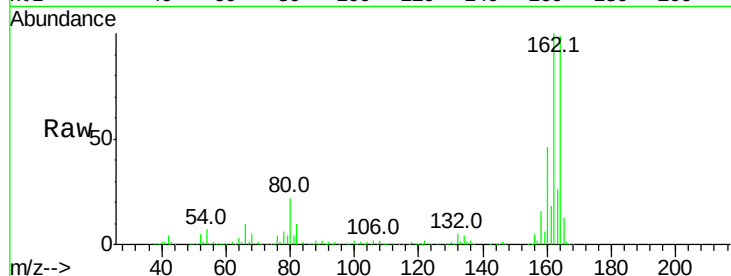




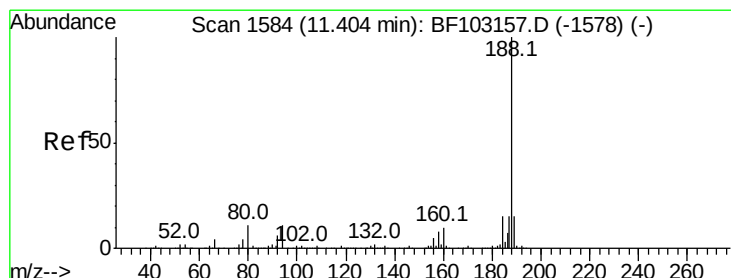
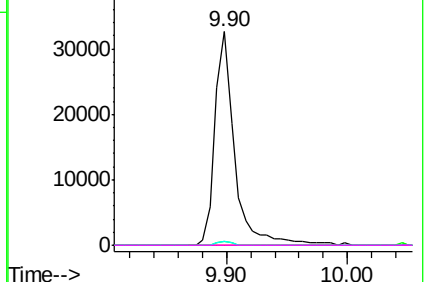
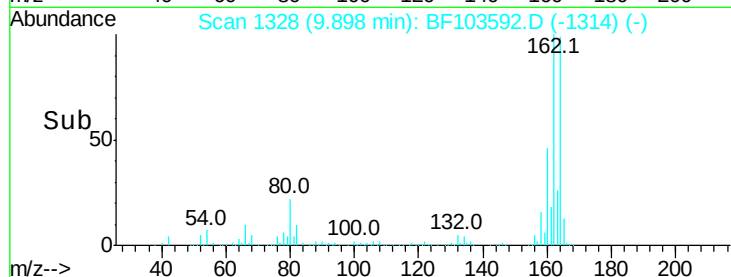
#56
 2,4-Dinitrotoluene
 Concen: 6.200 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.22 min
 Lab File: BF103592.D
 Acq: 12 Mar 2018 19:56

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:165 Resp: 36520
 Ion Ratio Lower Upper
 165 100
 63 1.9 36.4 54.6#
 89 1.6 57.8 86.6#
 182 0.0 1.6 2.4#

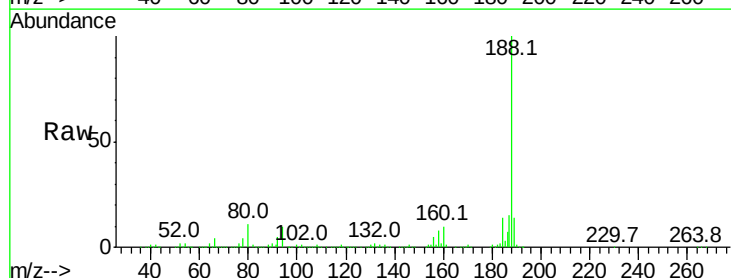


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

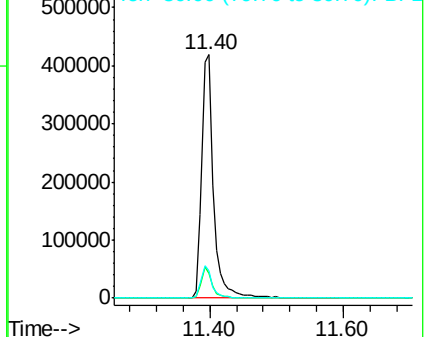
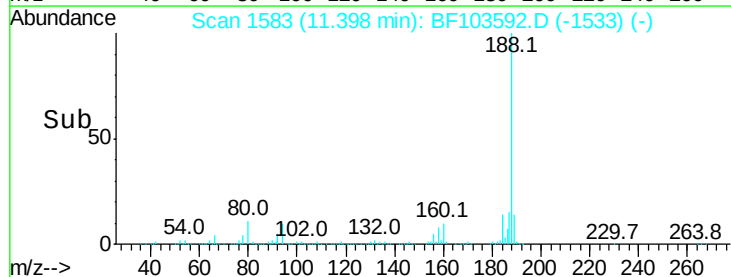


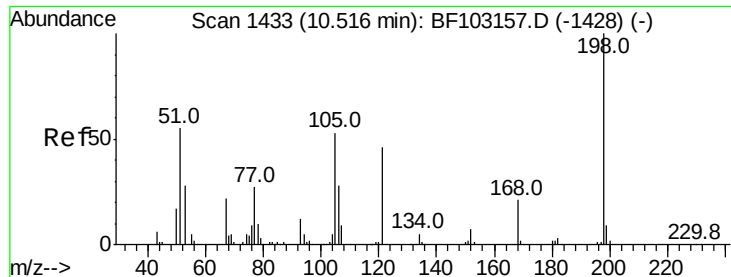
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF103592.D
 Acq: 12 Mar 2018 19:56

Tgt Ion:188 Resp: 500481
 Ion Ratio Lower Upper
 188 100
 94 10.2 8.5 12.7
 80 11.0 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

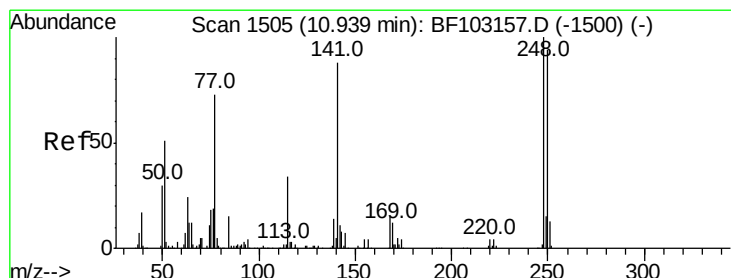
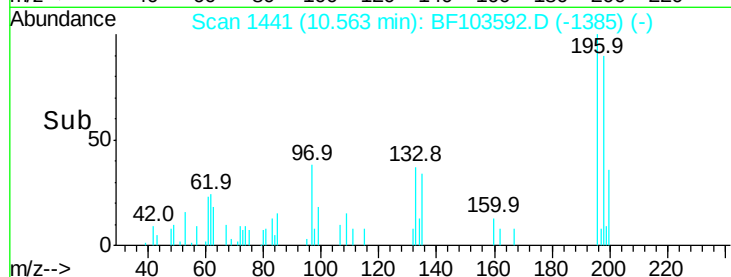
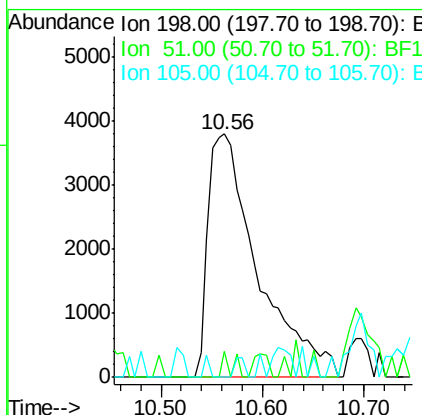
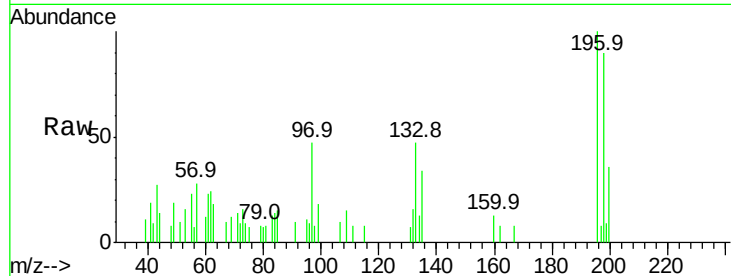




#64
4,6-Dinitro-2-methylphenol
Concen: 8.745 ng
RT: 10.56 min Scan# 1441
Delta R.T. 0.03 min
Lab File: BF103592.D
Acq: 12 Mar 2018 19:56

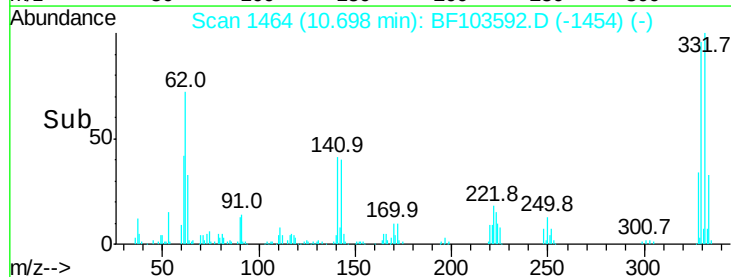
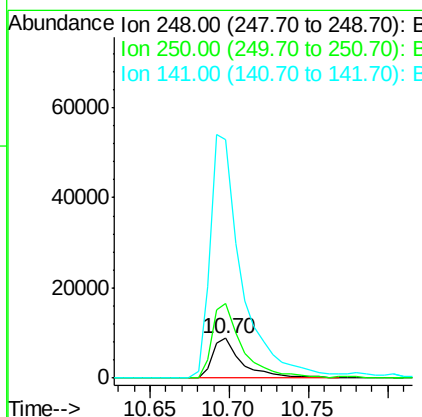
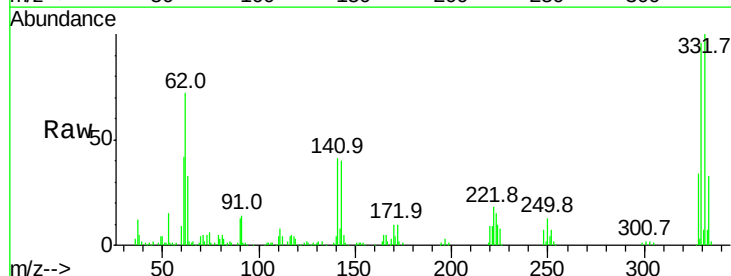
Instrument :
BNA_F
ClientSampled :

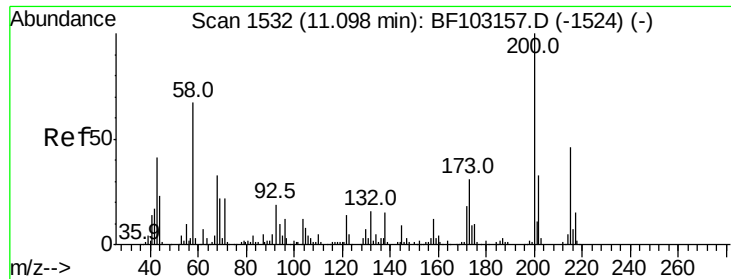
Tot Ion:198 Resp: 12901
Ion Ratio Lower Upper
198 100
51 10.8 37.7 77.7#
105 0.0 36.3 76.3#



#66
4-Bromophenyl-phenylether
Concen: 2.198 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.24 min
Lab File: BF103592.D
Acq: 12 Mar 2018 19:56

Tgt Ion:248 Resp: 11458
Ion Ratio Lower Upper
248 100
250 187.4 76.9 115.3#
141 594.2 74.4 111.6#





#68

Atrazine

Concen: 4.416 ng

RT: 11.21 min Scan# 1551

Delta R.T. 0.12 min

Lab File: BF103592.D

Acq: 12 Mar 2018 19:56

Instrument :

BNA_F

ClientSampled :

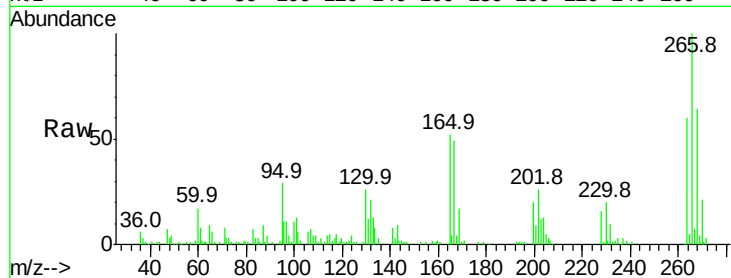
Tot Ion:200 Resp: 23132

Ion Ratio Lower Upper

200 100

173 0.0 8.6 48.6#

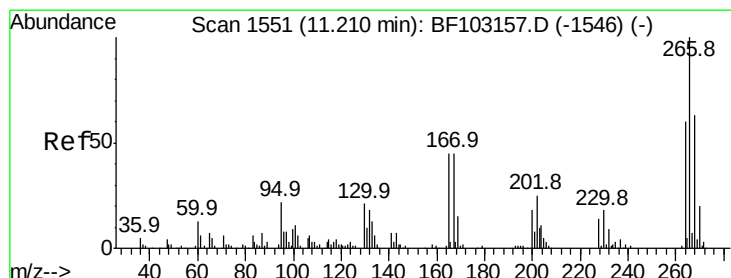
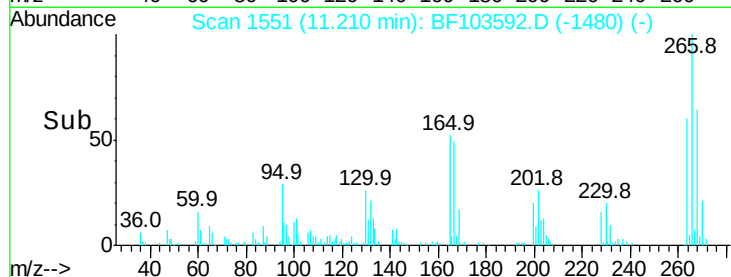
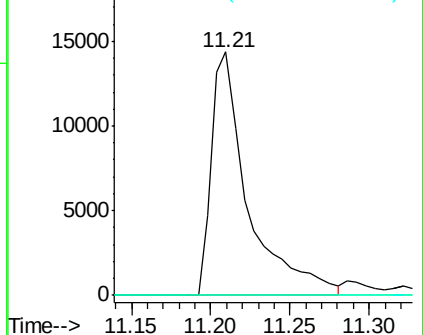
215 0.0 25.1 65.1#



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: 42.479 ng

RT: 11.21 min Scan# 1551

Delta R.T. -0.01 min

Lab File: BF103592.D

Acq: 12 Mar 2018 19:56

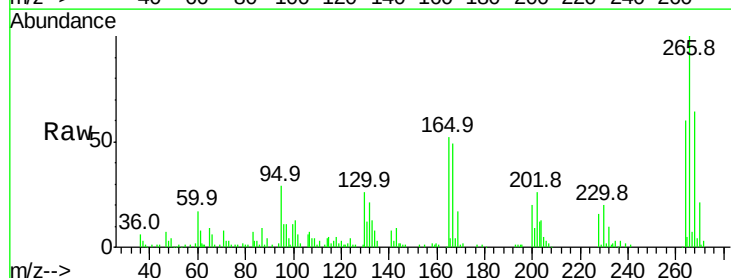
Tgt Ion:266 Resp: 116226

Ion Ratio Lower Upper

266 100

268 63.9 51.1 76.7

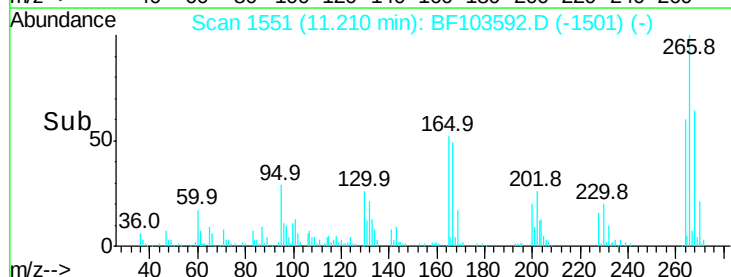
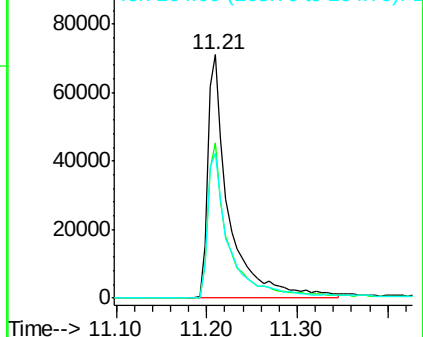
264 59.7 49.5 74.3

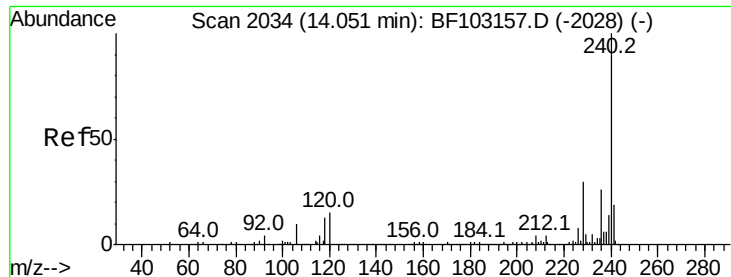


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF103592.D

Acq: 12 Mar 2018 19:56

Instrument :

BNA_F

ClientSampleId :

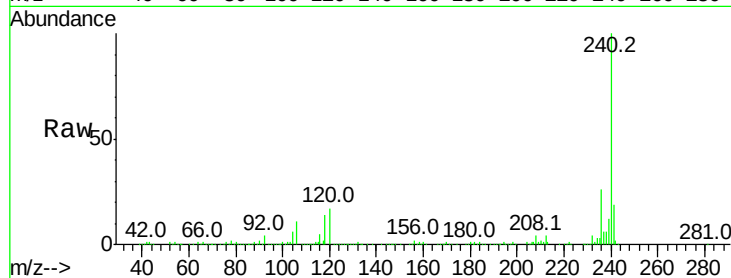
Tot Ion:240 Resp: 387536

Ion Ratio Lower Upper

240 100

120 16.9 9.5 14.3#

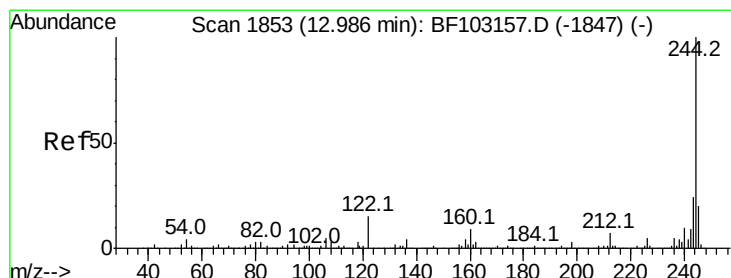
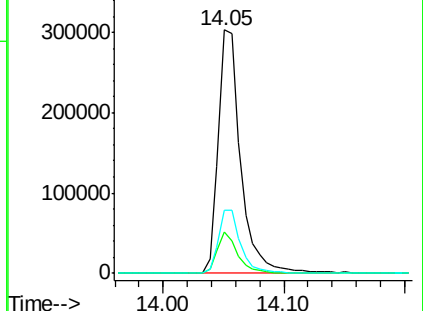
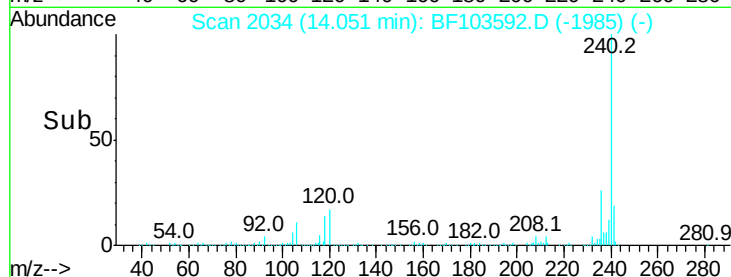
236 26.0 20.7 31.1



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: 45.546 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF103592.D

Acq: 12 Mar 2018 19:56

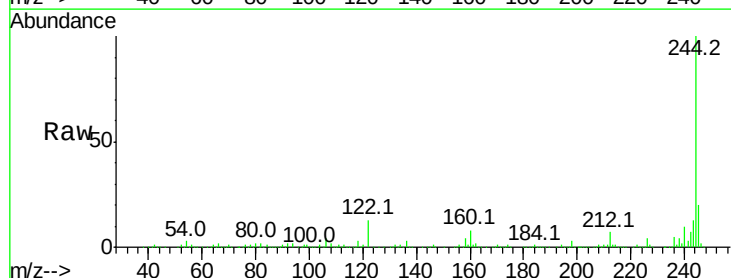
Tgt Ion:244 Resp: 734257

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

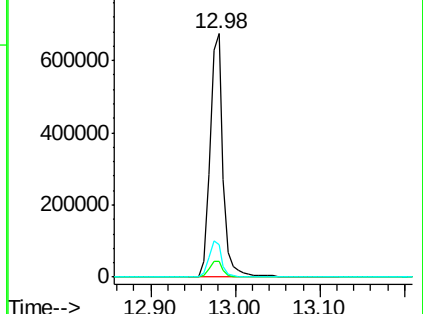
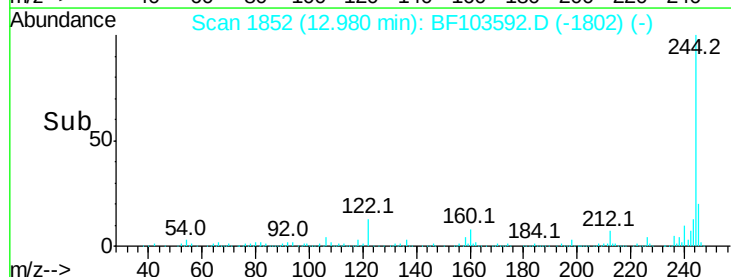
122 13.5 11.0 16.4

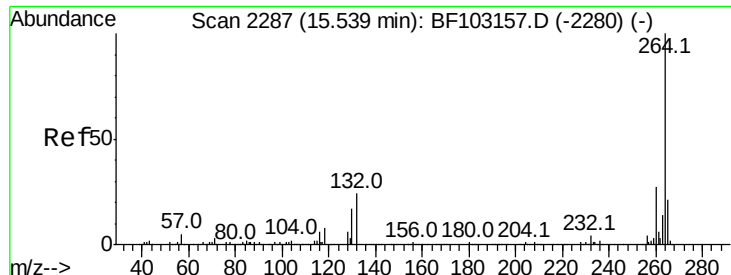


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

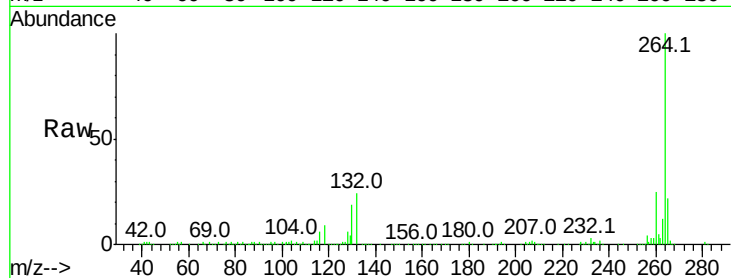




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2291
Delta R.T. -0.01 min
Lab File: BF103592.D
Acq: 12 Mar 2018 19:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	21.8	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

