

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061818\
 Data File : BF106557.D
 Acq On : 19 Jun 2018 00:35
 Operator : JU/SJ
 Sample : J3563-01
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 19 08:25:32 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 15 11:11:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	106360	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	379654	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	160864	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	250443	20.00	ng	0.00
75) Chrysene-d12	14.15	240	301058	20.00	ng	0.00
86) Perylene-d12	15.68	264	265096	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	403178	64.16	ng	0.00
7) Phenol-d6	6.61	99	315636	39.76	ng	0.00
23) Nitrobenzene-d5	7.53	82	637776	98.83	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	219698	141.94	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	985617	125.87	ng	0.00
78) Terphenyl-d14	13.09	244	986298	81.37	ng	0.00

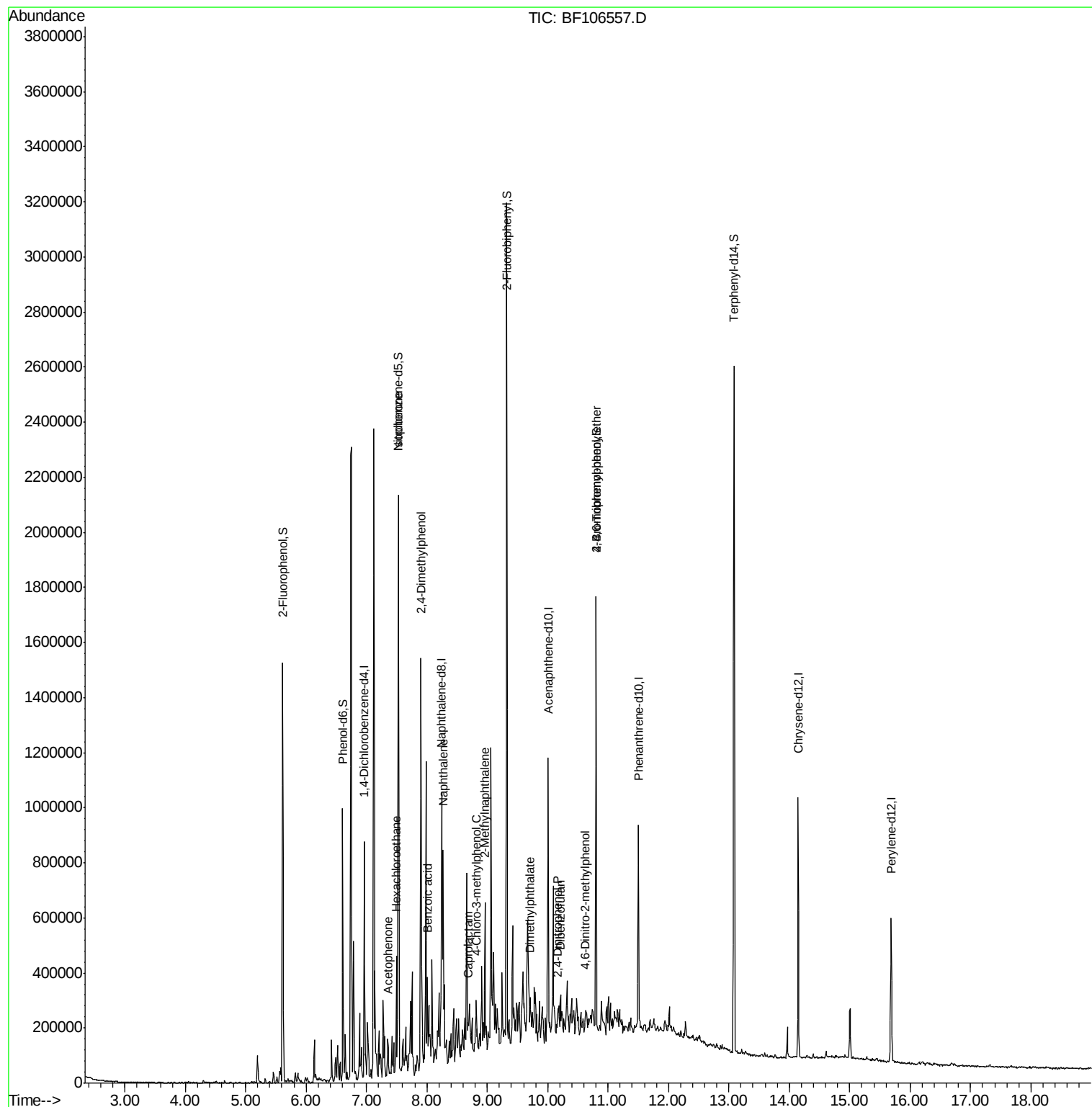
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	7.50	117	52686	18.320	ng	# 28
22) Acetophenone	7.35	105	36559	3.821	ng	# 59
25) Isophorone	7.53	82	637707	50.590	ng	# 64
27) 2,4-Dimethylphenol	7.90	122	268612	50.336	ng	99
31) Naphthalene	8.27	128	275503	16.053	ng	99
32) Benzoic acid	8.01	122	28146	13.354	ng	# 34
35) Caprolactam	8.69	113	10801	6.203	ng	# 58
36) 4-Chloro-3-methylphenol	8.82	107	19702	3.460	ng	# 21
37) 2-Methylnaphthalene	8.96	142	132072	11.299	ng	99
49) Dimethylphthalate	9.71	163	40111	3.490	ng	# 95
53) 2,4-Dinitrophenol	10.15	184	352	8.905	ng	# 1
54) Dibenzofuran	10.21	168	26590	2.003	ng	# 96
64) 4,6-Dinitro-2-methylphenol	10.62	198	128	6.377	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	13810	4.848	ng	# 1

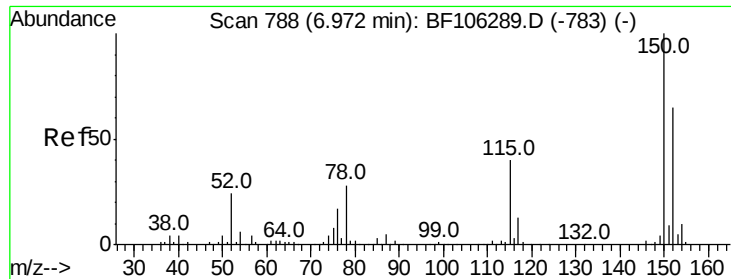
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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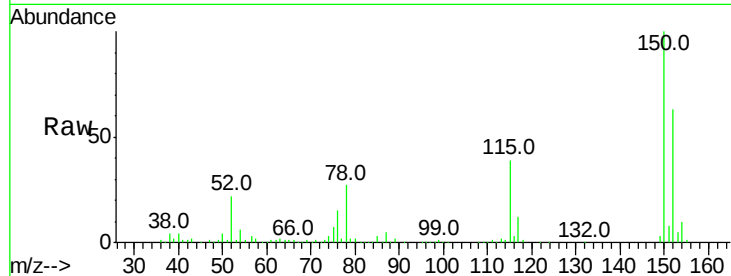


#1

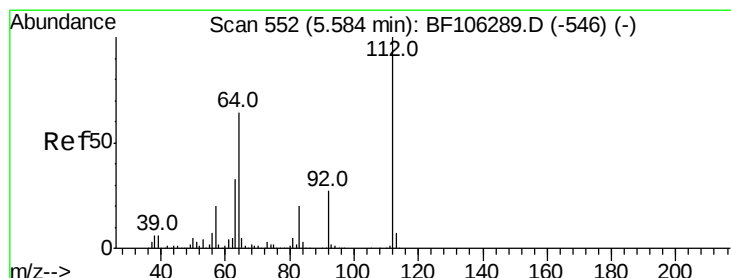
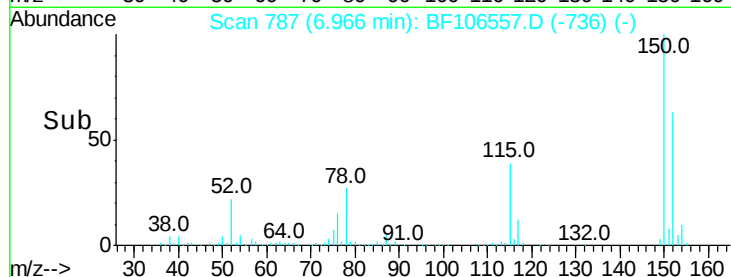
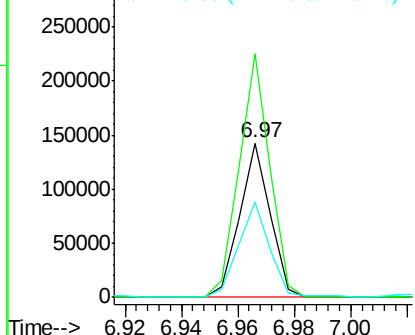
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF106557.D
Acq: 19 Jun 2018 00:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 106360
Ion Ratio Lower Upper
152 100
150 158.1 124.6 186.8
115 61.5 50.1 75.1



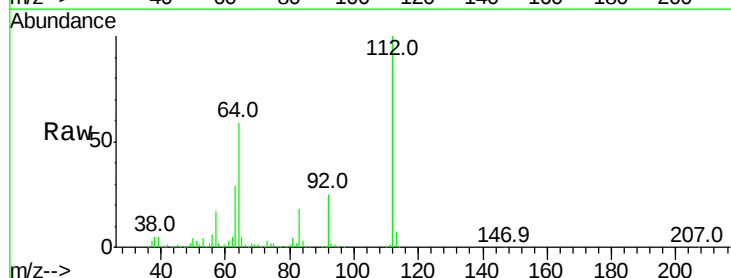
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



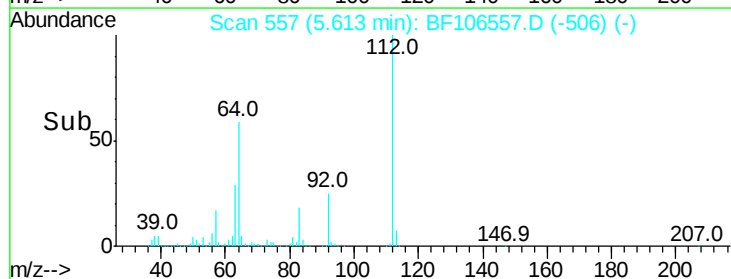
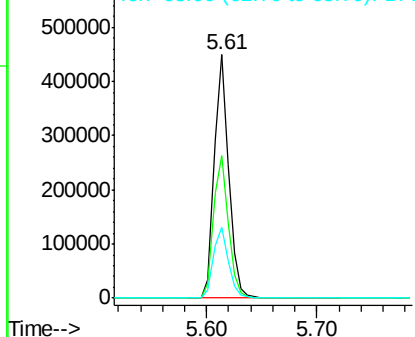
#5

2-Fluorophenol
Concen: 64.157 ng
RT: 5.61 min Scan# 557
Delta R.T. 0.00 min
Lab File: BF106557.D
Acq: 19 Jun 2018 00:35

Tgt Ion:112 Resp: 403178
Ion Ratio Lower Upper
112 100
64 58.8 47.9 71.9
63 29.3 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: 39.755 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF106557.D

Acq: 19 Jun 2018 00:35

Instrument :

BNA_F

ClientSampled :

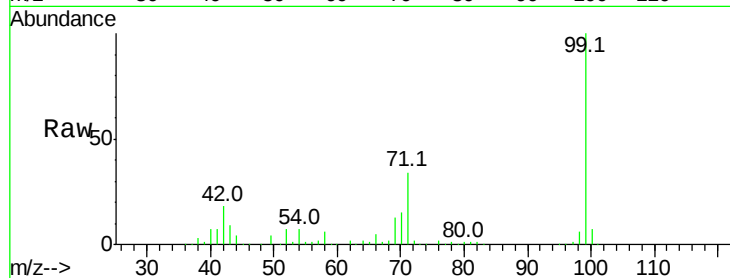
Tot Ion: 99 Resp: 315636

Ion Ratio Lower Upper

99 100

42 18.4 14.5 21.7

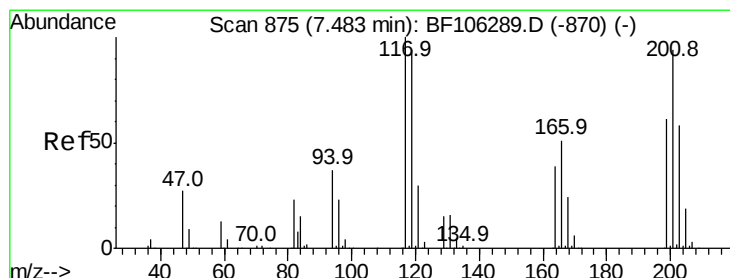
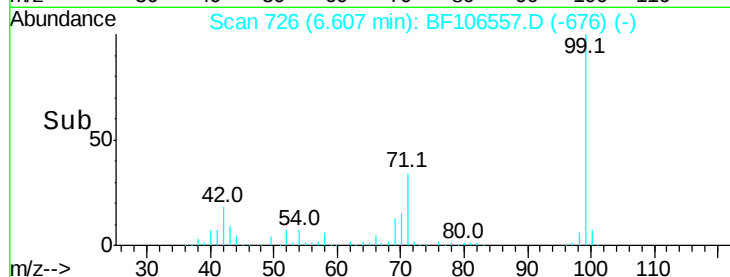
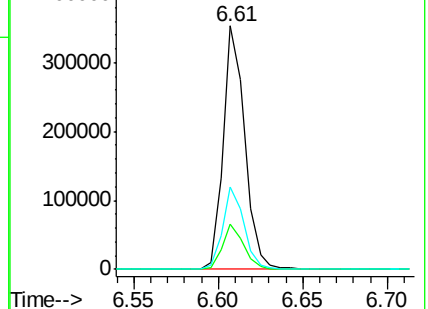
71 33.7 25.4 38.0



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: 18.320 ng

RT: 7.50 min Scan# 877

Delta R.T. 0.02 min

Lab File: BF106557.D

Acq: 19 Jun 2018 00:35

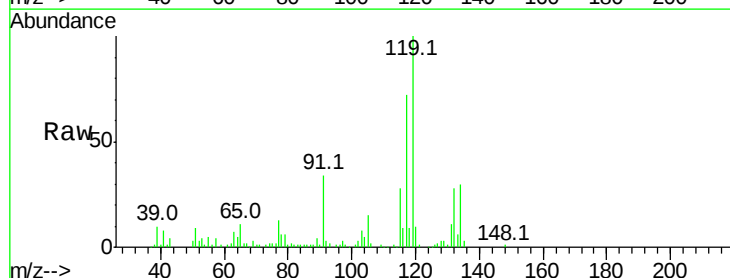
Tgt Ion: 117 Resp: 52686

Ion Ratio Lower Upper

117 100

119 139.4 75.8 113.8#

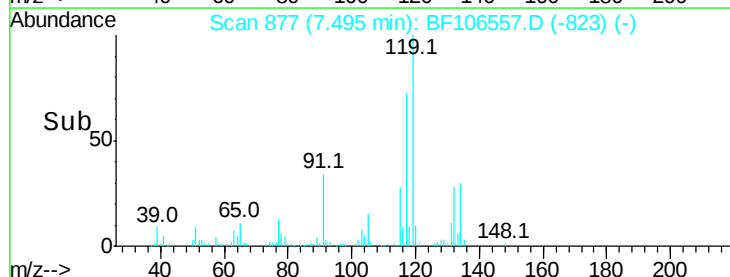
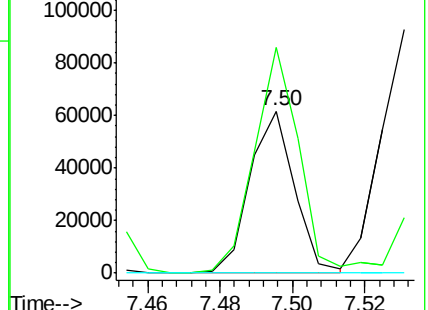
201 0.0 75.7 113.5#

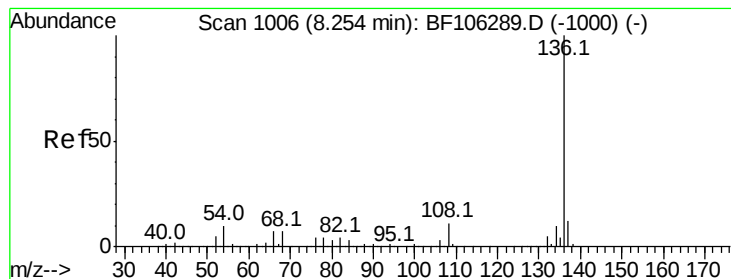


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1005

Delta R.T. 0.00 min

Lab File: BF106557.D

Acq: 19 Jun 2018 00:35

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 379654

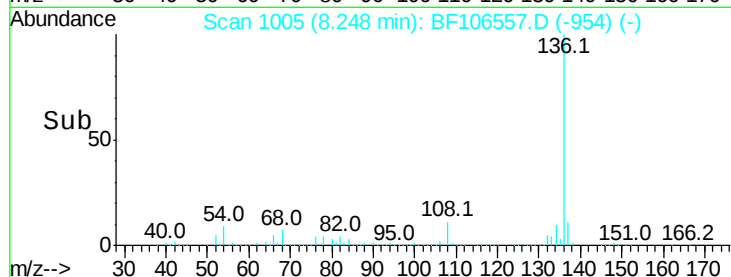
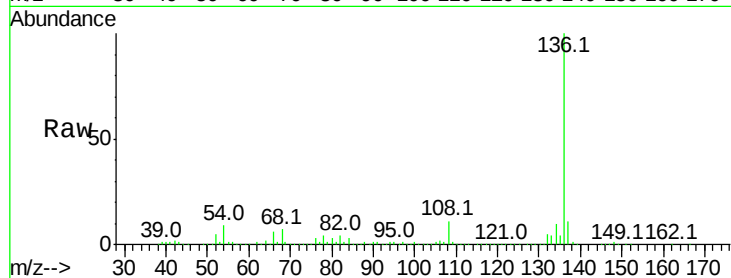
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 9.0 6.6 9.8

68 7.1 5.0 7.4

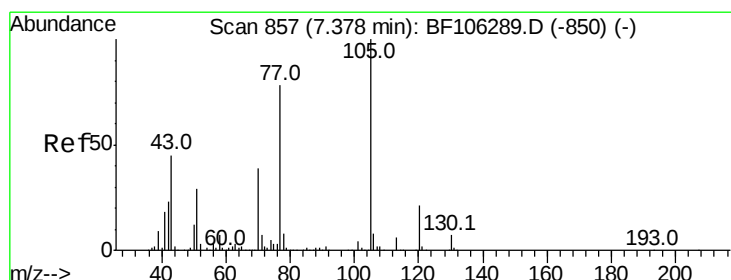
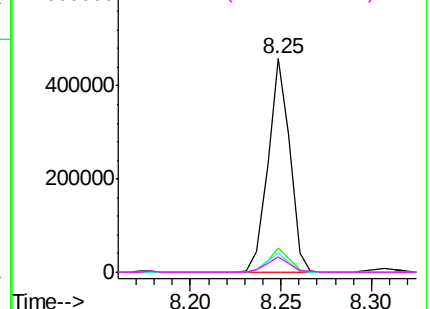


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 3.821 ng

RT: 7.35 min Scan# 853

Delta R.T. -0.02 min

Lab File: BF106557.D

Acq: 19 Jun 2018 00:35

Tgt Ion:105 Resp: 36559

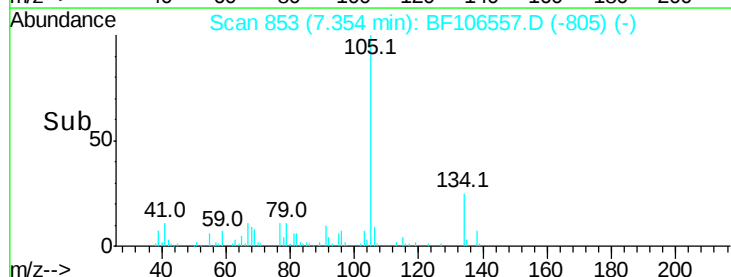
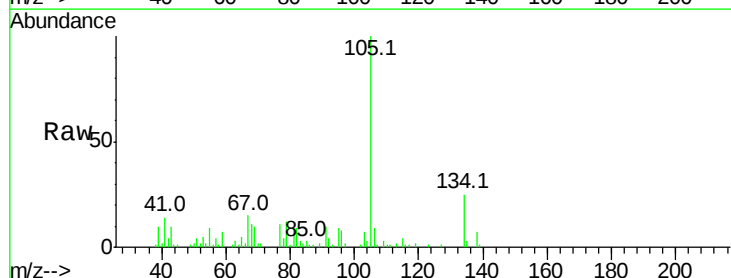
Ion Ratio Lower Upper

105 100

71 2.3 4.4 6.6#

51 4.4 22.3 33.5#

120 0.0 16.9 25.3#

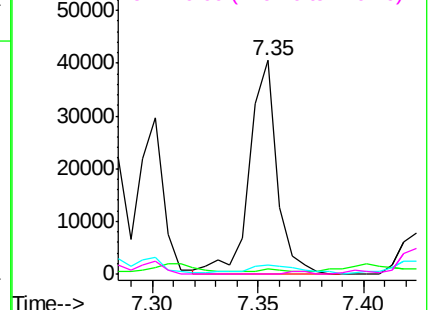


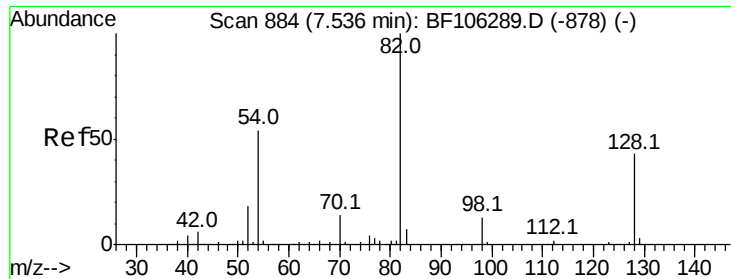
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

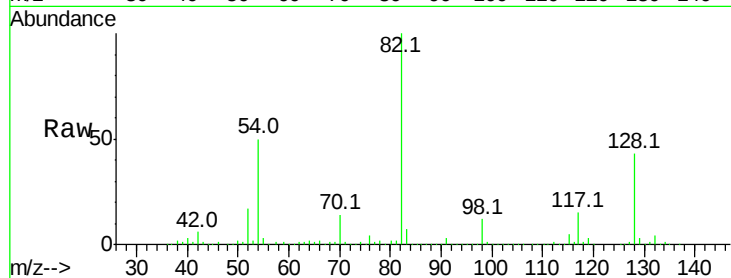




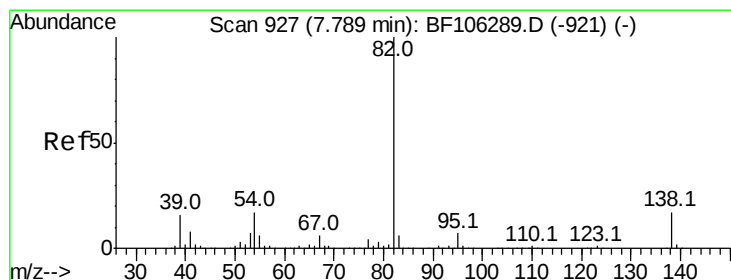
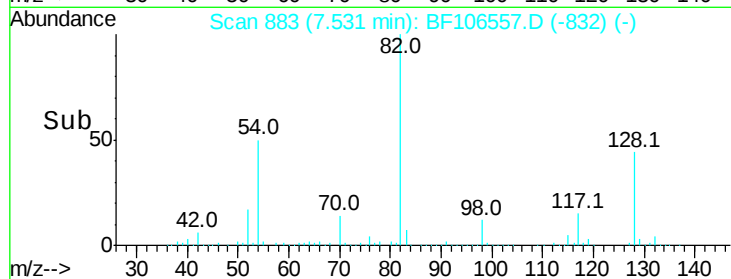
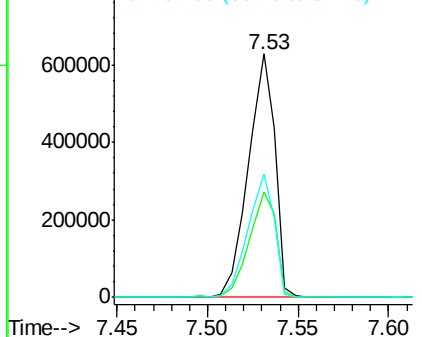
#23
 Nitrobenzene-d5
 Concen: 98.825 ng
 RT: 7.53 min Scan# 883
 Delta R.T. 0.00 min
 Lab File: BF106557.D
 Acq: 19 Jun 2018 00:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 637776
 Ion Ratio Lower Upper
 82 100
 128 43.5 36.1 54.1
 54 50.5 41.4 62.2

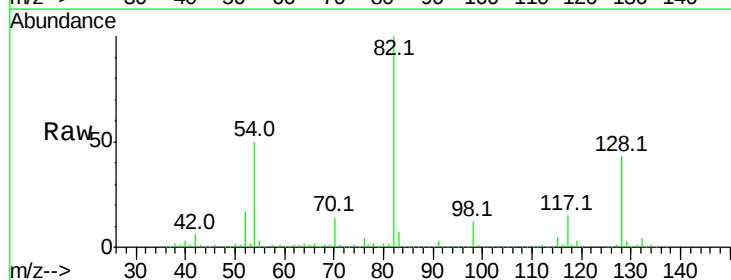


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

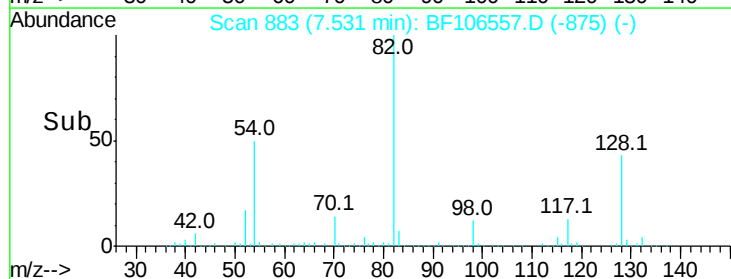
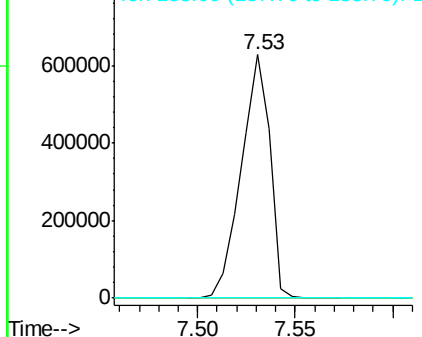


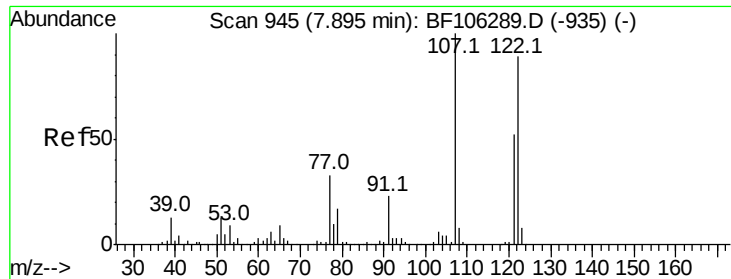
#25
 Isophorone
 Concen: 50.590 ng
 RT: 7.53 min Scan# 883
 Delta R.T. -0.25 min
 Lab File: BF106557.D
 Acq: 19 Jun 2018 00:35

Tgt Ion: 82 Resp: 637707
 Ion Ratio Lower Upper
 82 100
 95 0.2 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

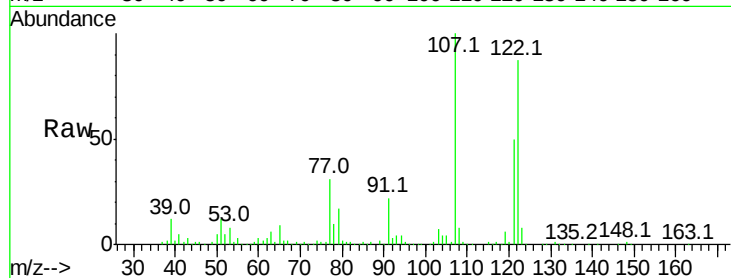




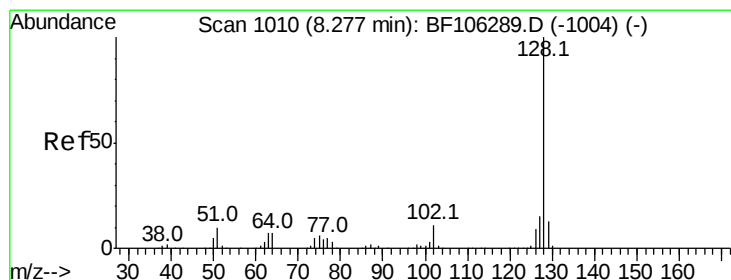
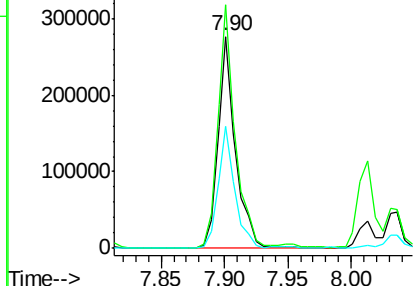
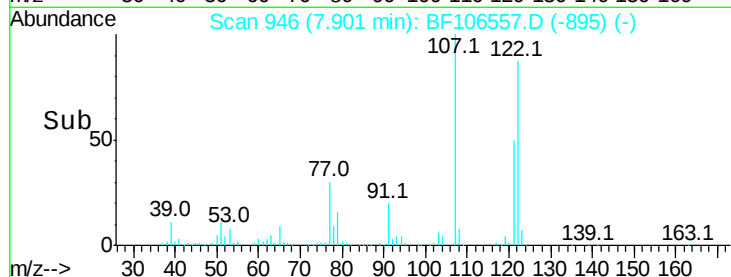
#27
2,4-Dimethylphenol
Concen: 50.336 ng
RT: 7.90 min Scan# 946
Delta R.T. 0.00 min
Lab File: BF106557.D
Acq: 19 Jun 2018 00:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:122 Resp: 268612
Ion Ratio Lower Upper
122 100
107 114.7 91.2 136.8
121 57.7 47.2 70.8

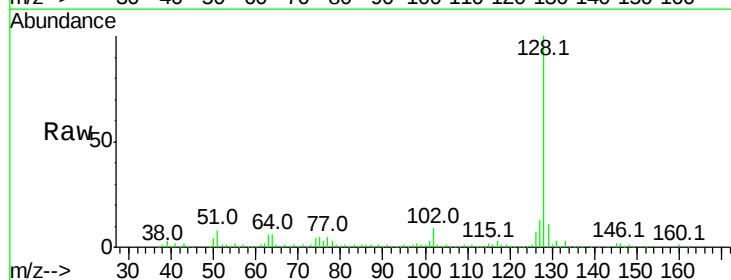


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

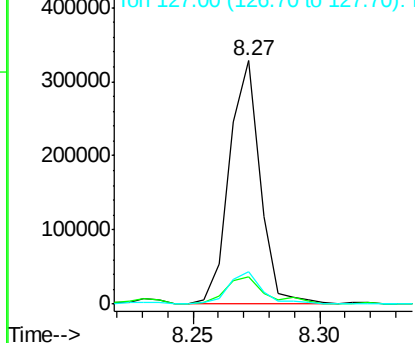
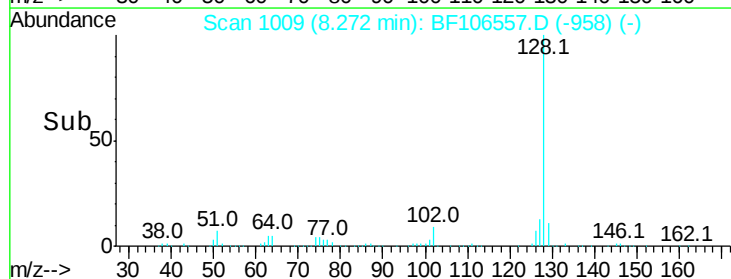


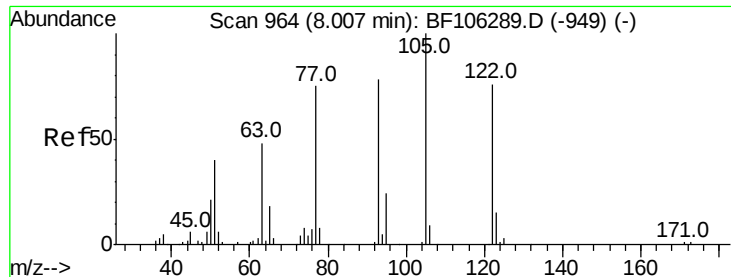
#31
Naphthalene
Concen: 16.053 ng
RT: 8.27 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BF106557.D
Acq: 19 Jun 2018 00:35

Tgt Ion:128 Resp: 275503
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 13.4 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 13.354 ng

RT: 8.01 min Scan# 965

Delta R.T. 0.01 min

Lab File: BF106557.D

Acq: 19 Jun 2018 00:35

Instrument :

BNA_F

ClientSampleId :

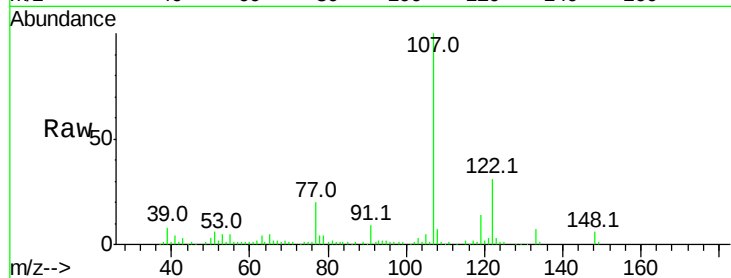
Tot Ion:122 Resp: 28146

Ion Ratio Lower Upper

122 100

105 16.7 101.1 141.1#

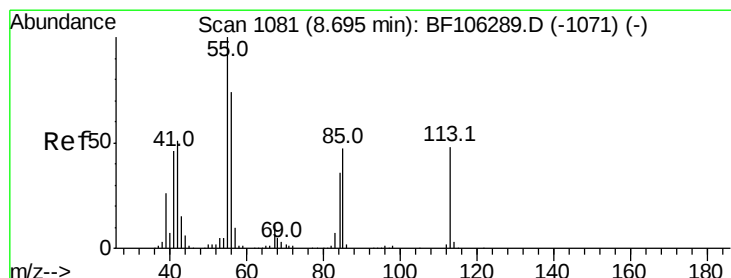
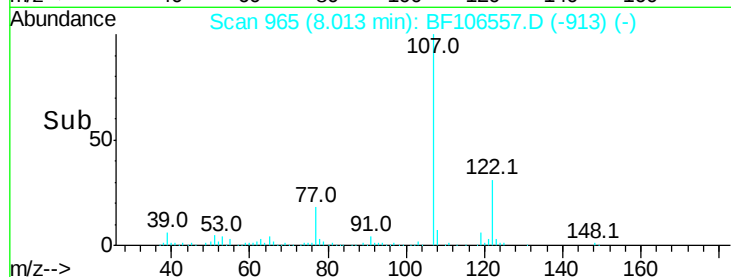
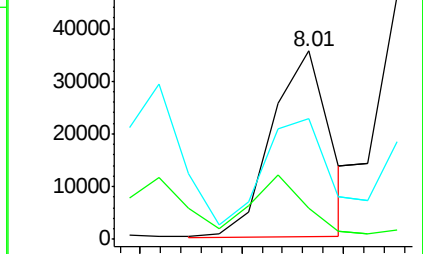
77 63.9 70.7 110.7#



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: 6.203 ng

RT: 8.69 min Scan# 1080

Delta R.T. 0.01 min

Lab File: BF106557.D

Acq: 19 Jun 2018 00:35

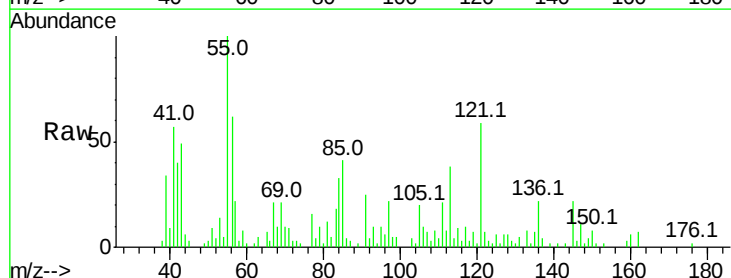
Tgt Ion:113 Resp: 10801

Ion Ratio Lower Upper

113 100

55 263.7 163.3 203.3#

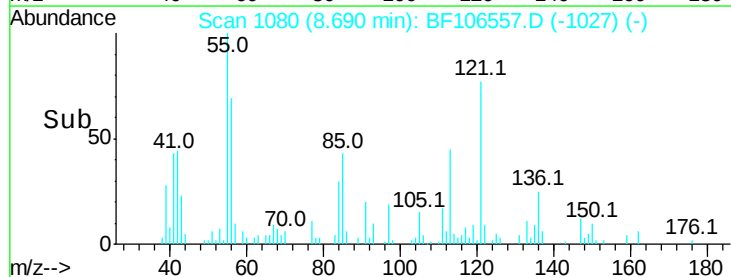
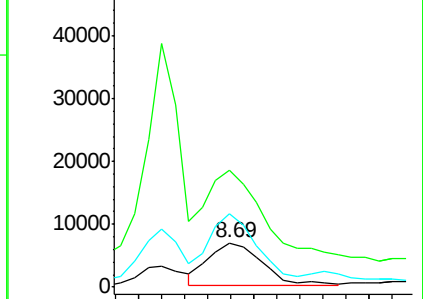
56 164.5 115.7 155.7#

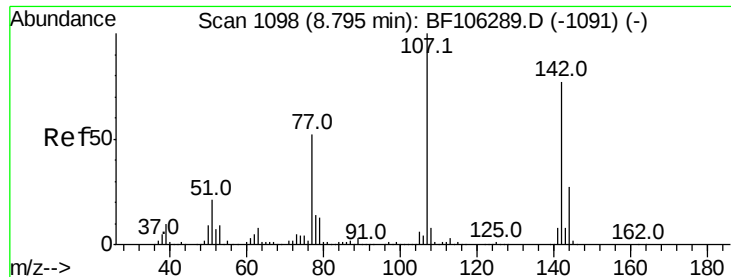


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1

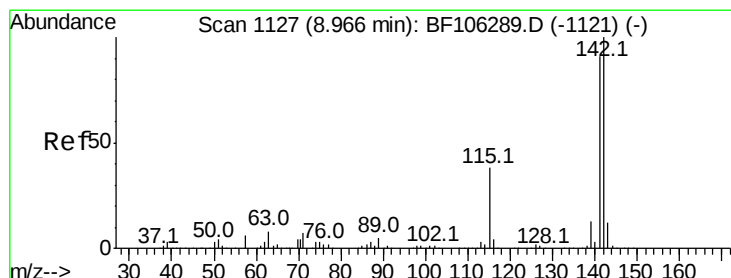
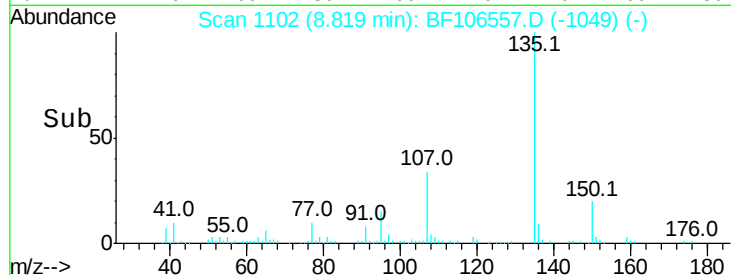
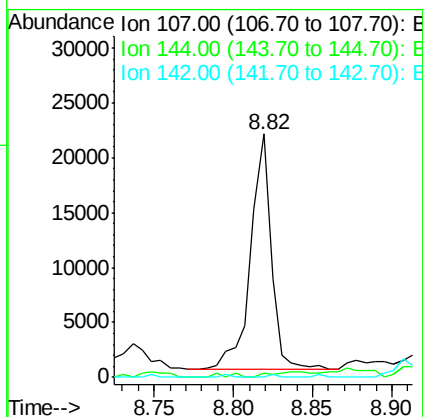
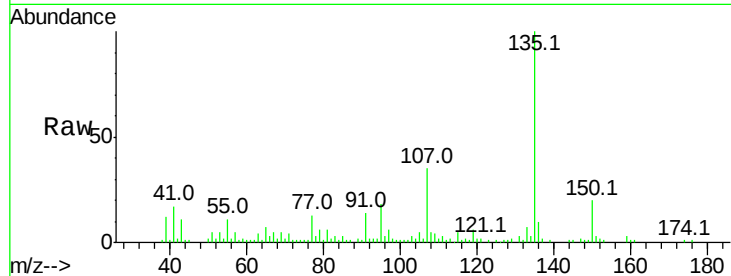




#36
 4-Chloro-3-methylphenol
 Concen: 3.460 ng
 RT: 8.82 min Scan# 1102
 Delta R.T. 0.01 min
 Lab File: BF106557.D
 Acq: 19 Jun 2018 00:35

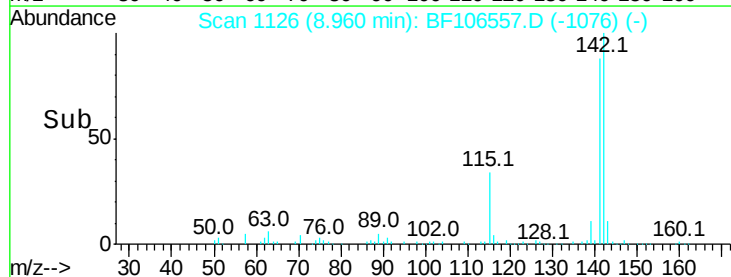
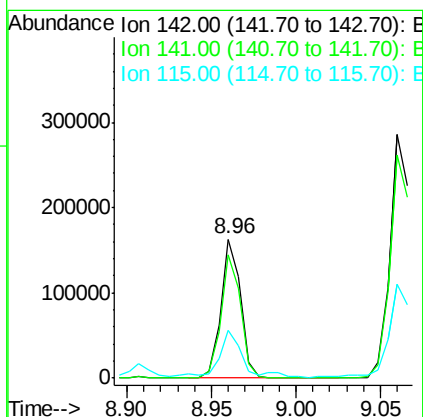
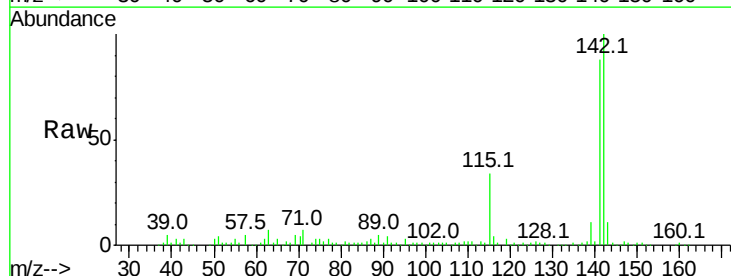
Instrument :
 BNA_F
 ClientSampleId :

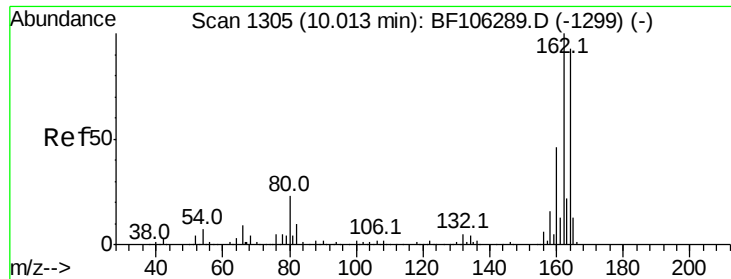
Tot Ion:107 Resp: 19702
 Ion Ratio Lower Upper
 107 100
 144 1.9 20.5 30.7#
 142 0.0 62.0 93.0#



#37
 2-Methylnaphthalene
 Concen: 11.299 ng
 RT: 8.96 min Scan# 1126
 Delta R.T. -0.01 min
 Lab File: BF106557.D
 Acq: 19 Jun 2018 00:35

Tgt Ion:142 Resp: 132072
 Ion Ratio Lower Upper
 142 100
 141 88.4 70.8 106.2
 115 34.0 26.1 39.1

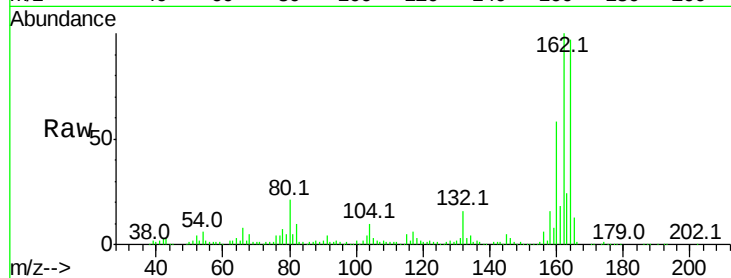




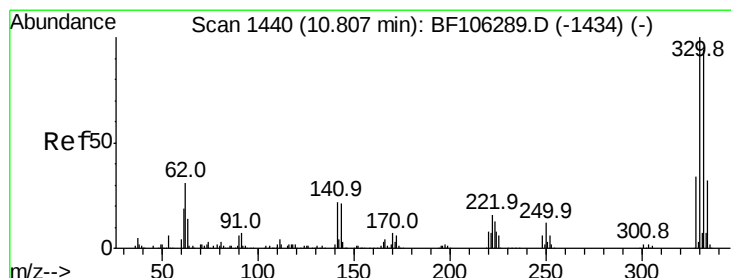
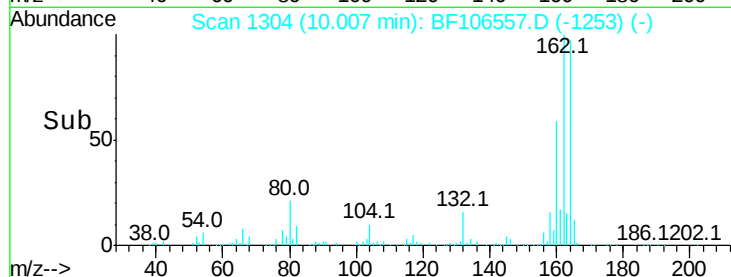
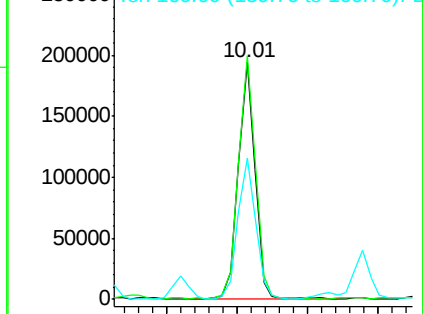
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1304
Delta R.T. 0.00 min
Lab File: BF106557.D
Acq: 19 Jun 2018 00:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 160864
Ion Ratio Lower Upper
164 100
162 102.8 86.1 129.1
160 59.8 38.3 57.5#

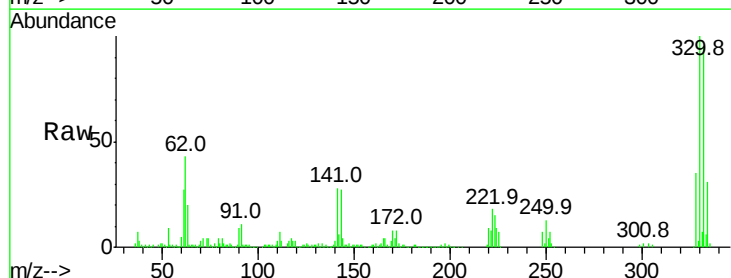


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

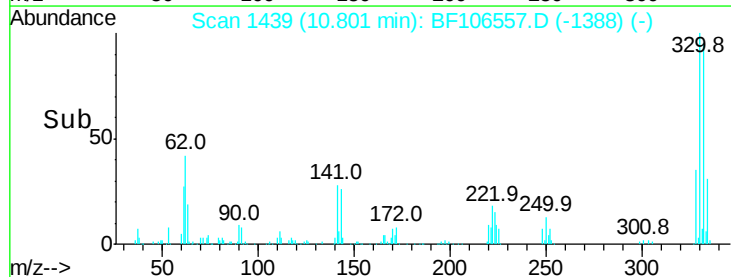
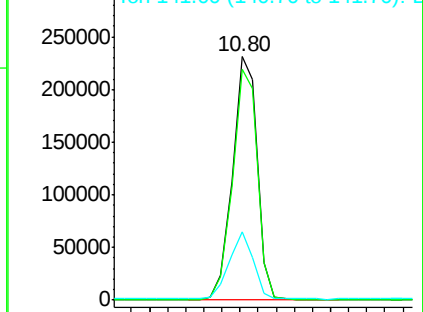


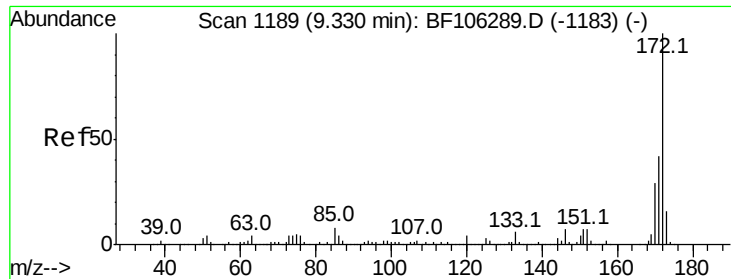
#41
2,4,6-Tribromophenol
Concen: 141.943 ng
RT: 10.80 min Scan# 1439
Delta R.T. 0.00 min
Lab File: BF106557.D
Acq: 19 Jun 2018 00:35

Tgt Ion:330 Resp: 219698
Ion Ratio Lower Upper
330 100
332 95.8 77.0 115.6
141 27.3 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

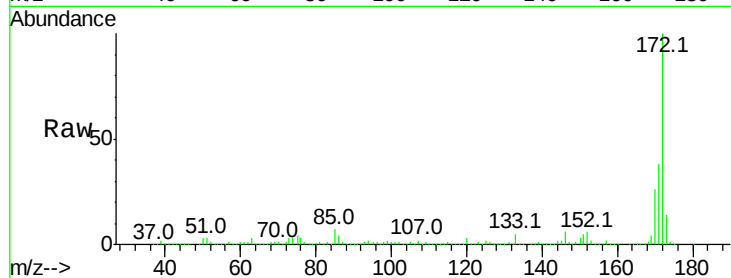




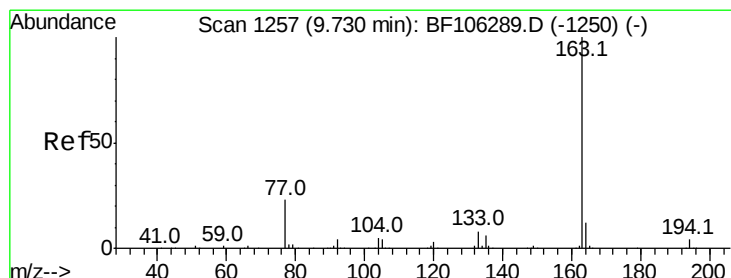
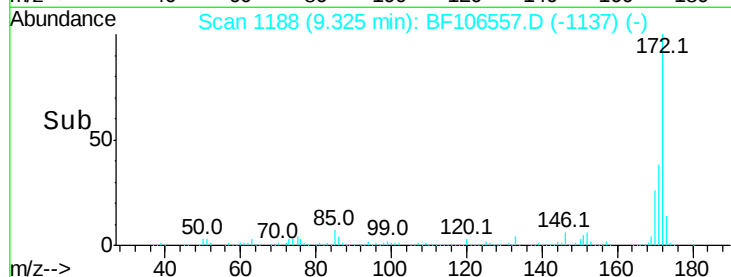
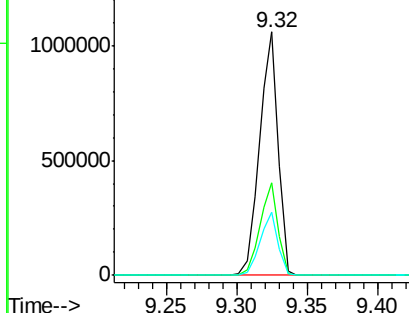
#44
2-Fluorobiphenyl
Concen: 125.871 ng
RT: 9.32 min Scan# 1188
Delta R.T. 0.00 min
Lab File: BF106557.D
Acq: 19 Jun 2018 00:35

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.9	29.7	44.5
170	25.7	19.6	29.4

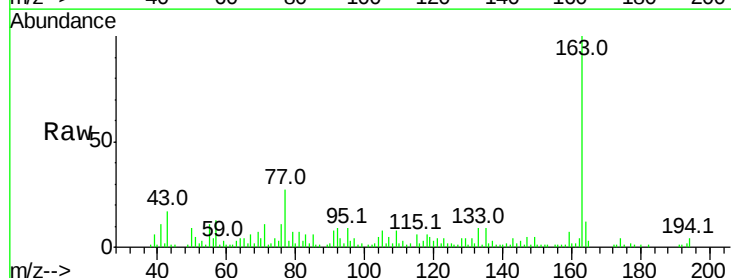


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

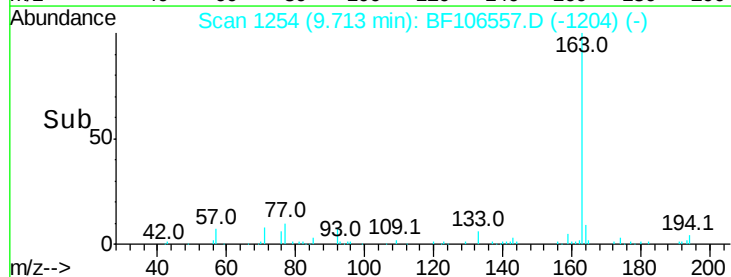
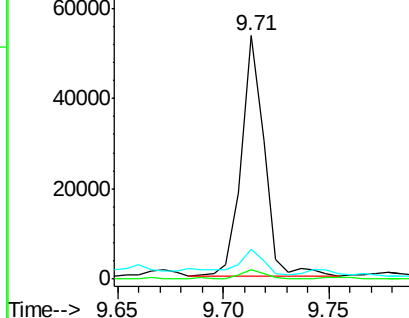


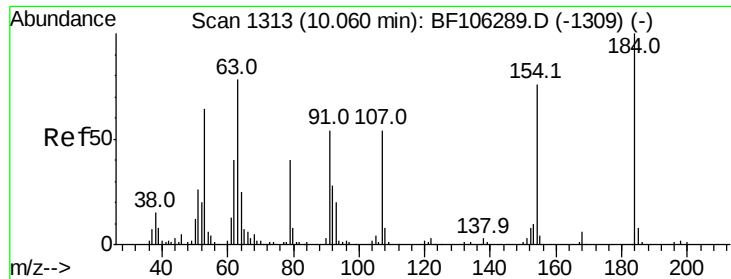
#49
Dimethylphthalate
Concen: 3.490 ng
RT: 9.71 min Scan# 1254
Delta R.T. -0.01 min
Lab File: BF106557.D
Acq: 19 Jun 2018 00:35

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	2.7	4.1#
164	12.2	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





#53

2,4-Dinitrophenol

Concen: 8.905 ng

RT: 10.15 min Scan# 1329

Delta R.T. 0.09 min

Lab File: BF106557.D

Acq: 19 Jun 2018 00:35

Instrument :

BNA_F

ClientSampleId :

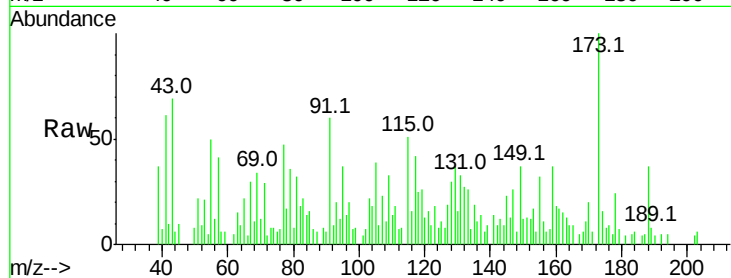
Tot Ion:184 Resp: 352

Ion Ratio Lower Upper

184 100

63 234.0 54.2 81.2#

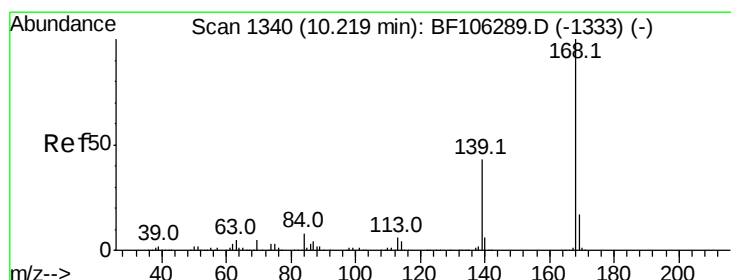
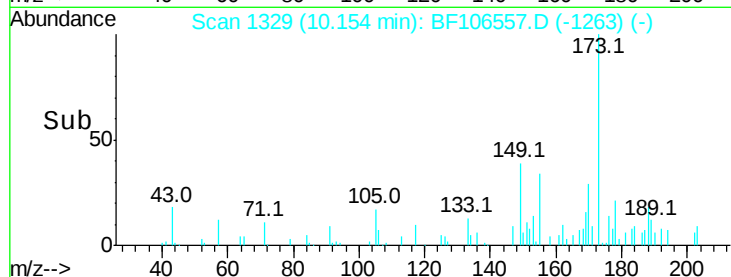
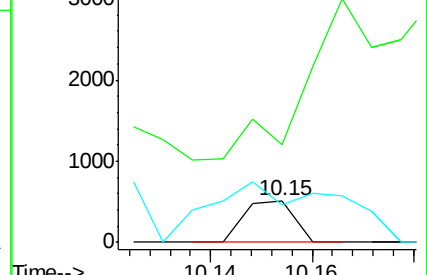
154 88.9 184.0 276.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 2.003 ng

RT: 10.21 min Scan# 1339

Delta R.T. 0.00 min

Lab File: BF106557.D

Acq: 19 Jun 2018 00:35

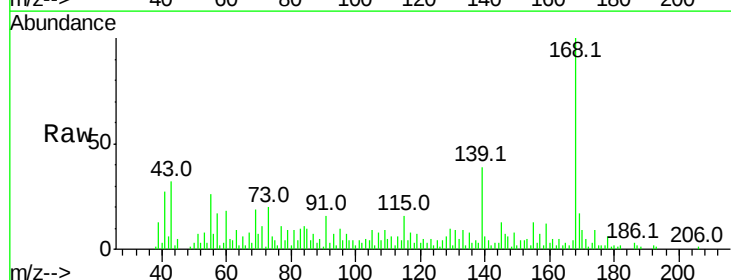
Tgt Ion:168 Resp: 26590

Ion Ratio Lower Upper

168 100

139 39.2 30.1 45.1

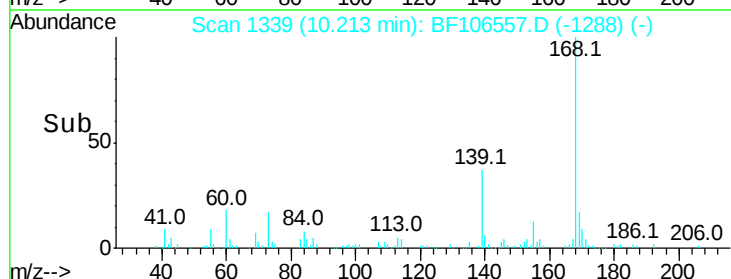
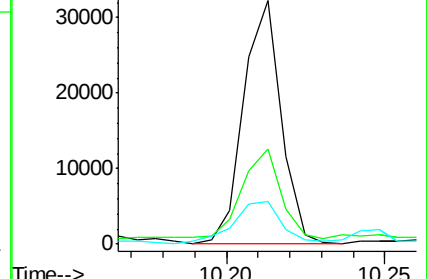
169 17.5 10.9 16.3#

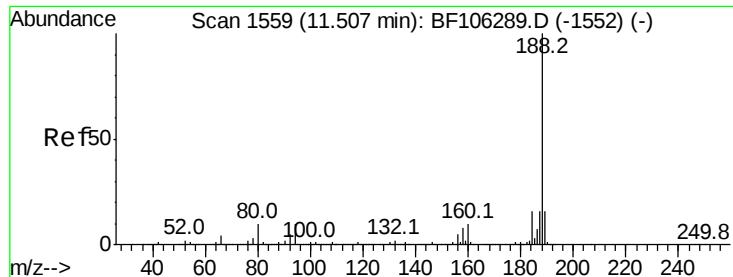


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1558

Delta R.T. 0.00 min

Lab File: BF106557.D

Acq: 19 Jun 2018 00:35

Instrument :

BNA_F

ClientSampleId :

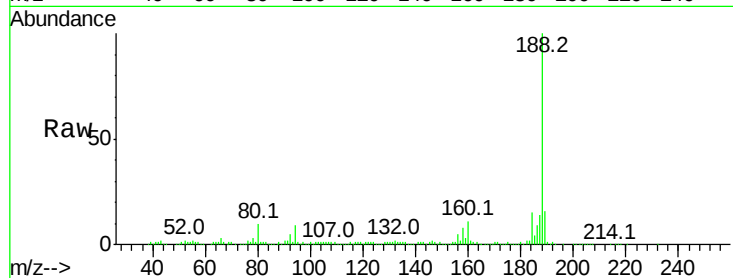
Tot Ion:188 Resp: 250443

Ion Ratio Lower Upper

188 100

94 9.4 8.5 12.7

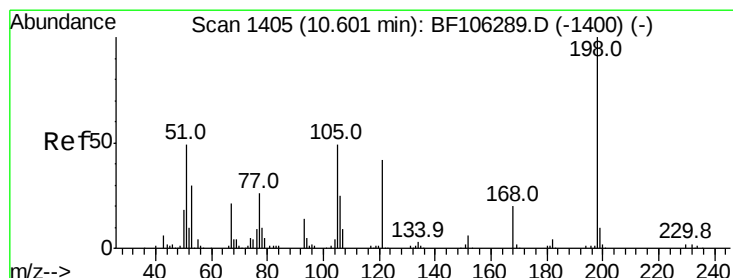
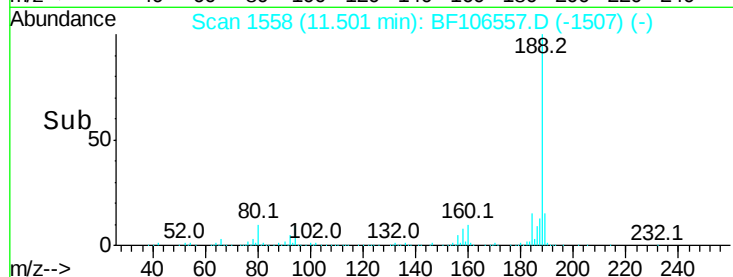
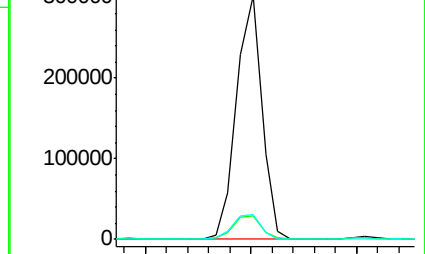
80 9.9 9.2 13.8



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: 6.377 ng

RT: 10.62 min Scan# 1408

Delta R.T. 0.02 min

Lab File: BF106557.D

Acq: 19 Jun 2018 00:35

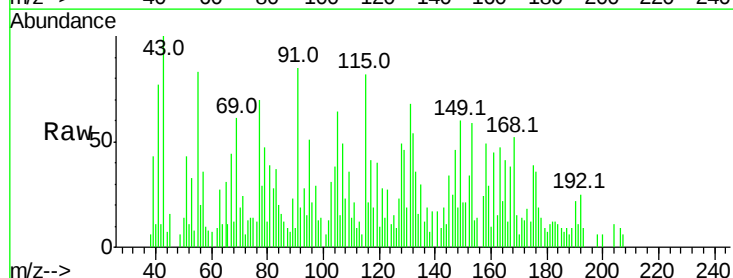
Tgt Ion:198 Resp: 128

Ion Ratio Lower Upper

198 100

51 696.1 37.7 77.7#

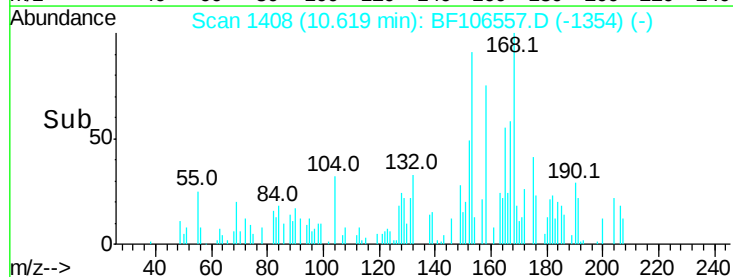
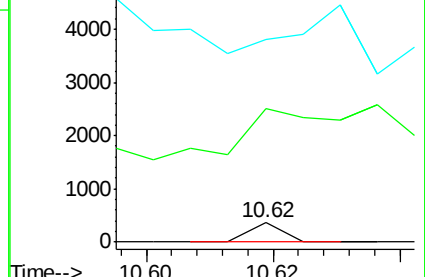
105 1049.7 36.3 76.3#

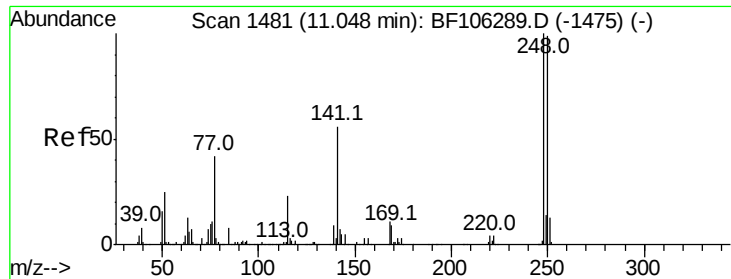


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

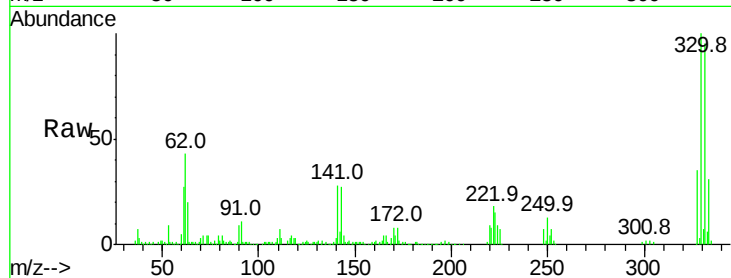




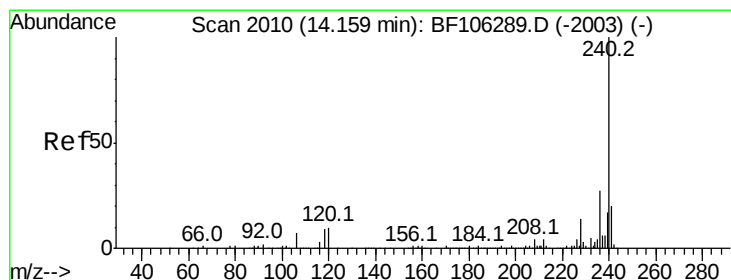
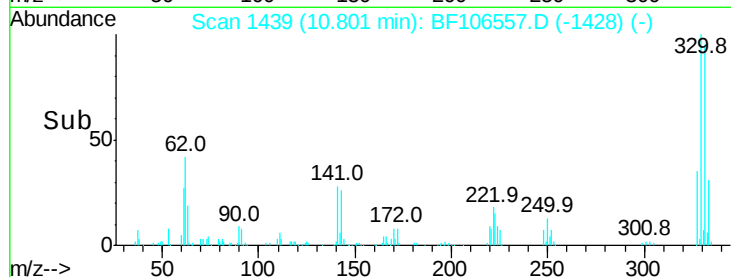
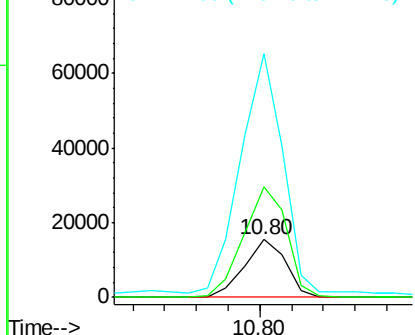
#66
4-Bromophenyl-phenylether
Concen: 4.848 ng
RT: 10.80 min Scan# 1439
Delta R.T. -0.24 min
Lab File: BF106557.D
Acq: 19 Jun 2018 00:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 13810
Ion Ratio Lower Upper
248 100
250 191.5 76.9 115.3#
141 422.3 74.4 111.6#

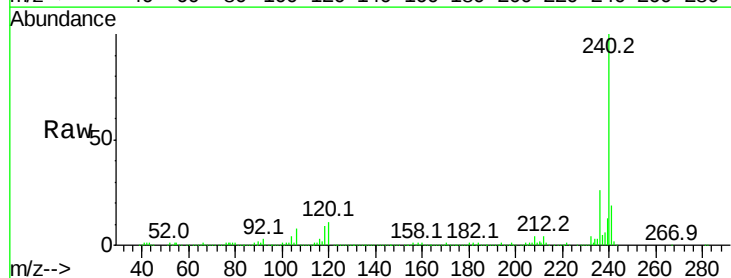


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

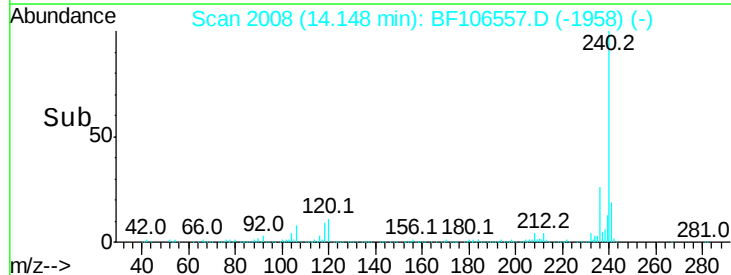
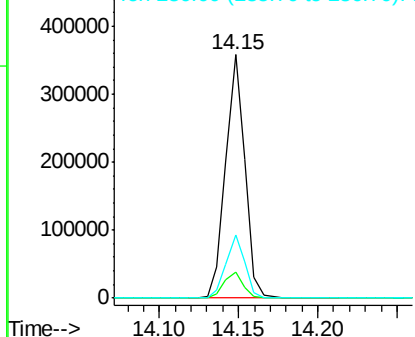


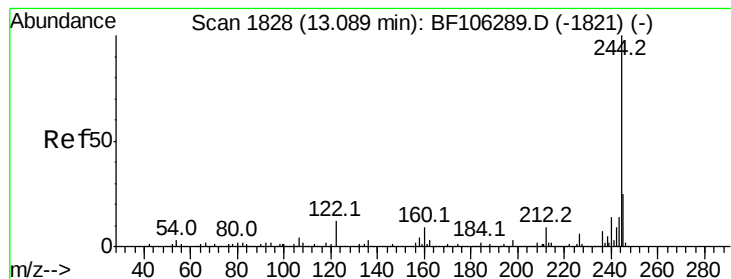
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF106557.D
Acq: 19 Jun 2018 00:35

Tgt Ion:240 Resp: 301058
Ion Ratio Lower Upper
240 100
120 10.8 9.5 14.3
236 26.1 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 81.371 ng

RT: 13.09 min Scan# 1828

Delta R.T. 0.01 min

Lab File: BF106557.D

Acq: 19 Jun 2018 00:35

Instrument :

BNA_F

ClientSampleId :

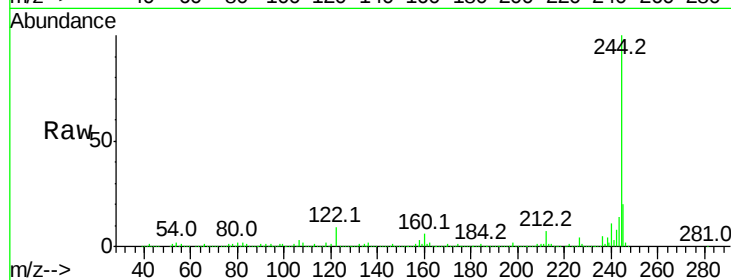
Tot Ion:244 Resp: 986298

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

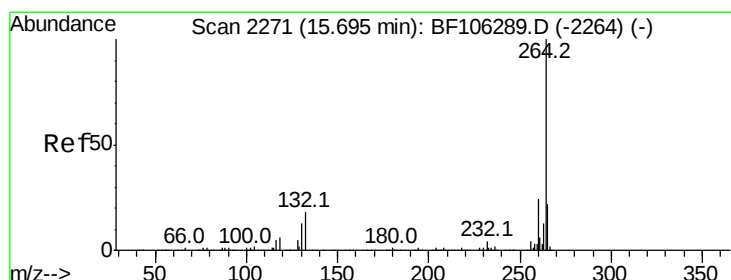
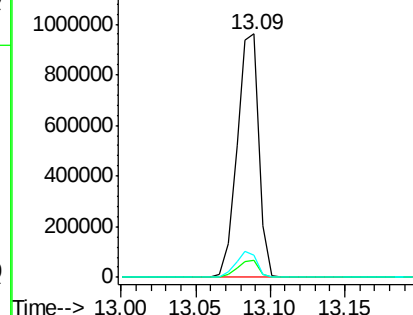
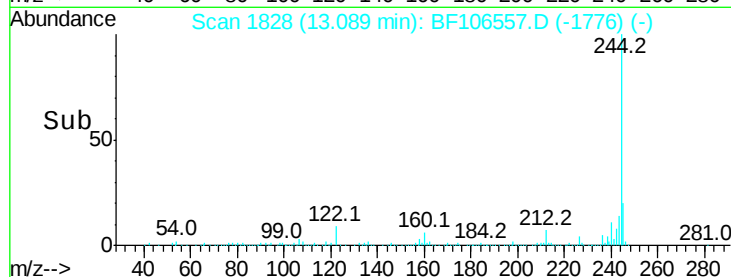
122 8.9 11.0 16.4#



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

Perylene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2269

Delta R.T. 0.00 min

Lab File: BF106557.D

Acq: 19 Jun 2018 00:35

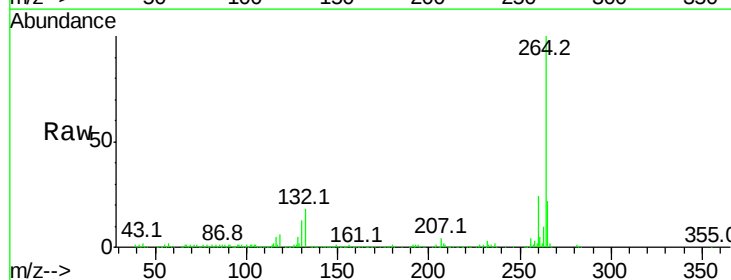
Tgt Ion:264 Resp: 265096

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 22.0 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

