

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF062618\
 Data File : BF106837.D
 Acq On : 26 Jun 2018 21:39
 Operator : JU/SJ
 Sample : J3570-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20180372-COMPOSITE-CS-1B

Quant Time: Jun 27 01:11:33 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 25 18:50:17 2018
 Response via : Initial Calibration

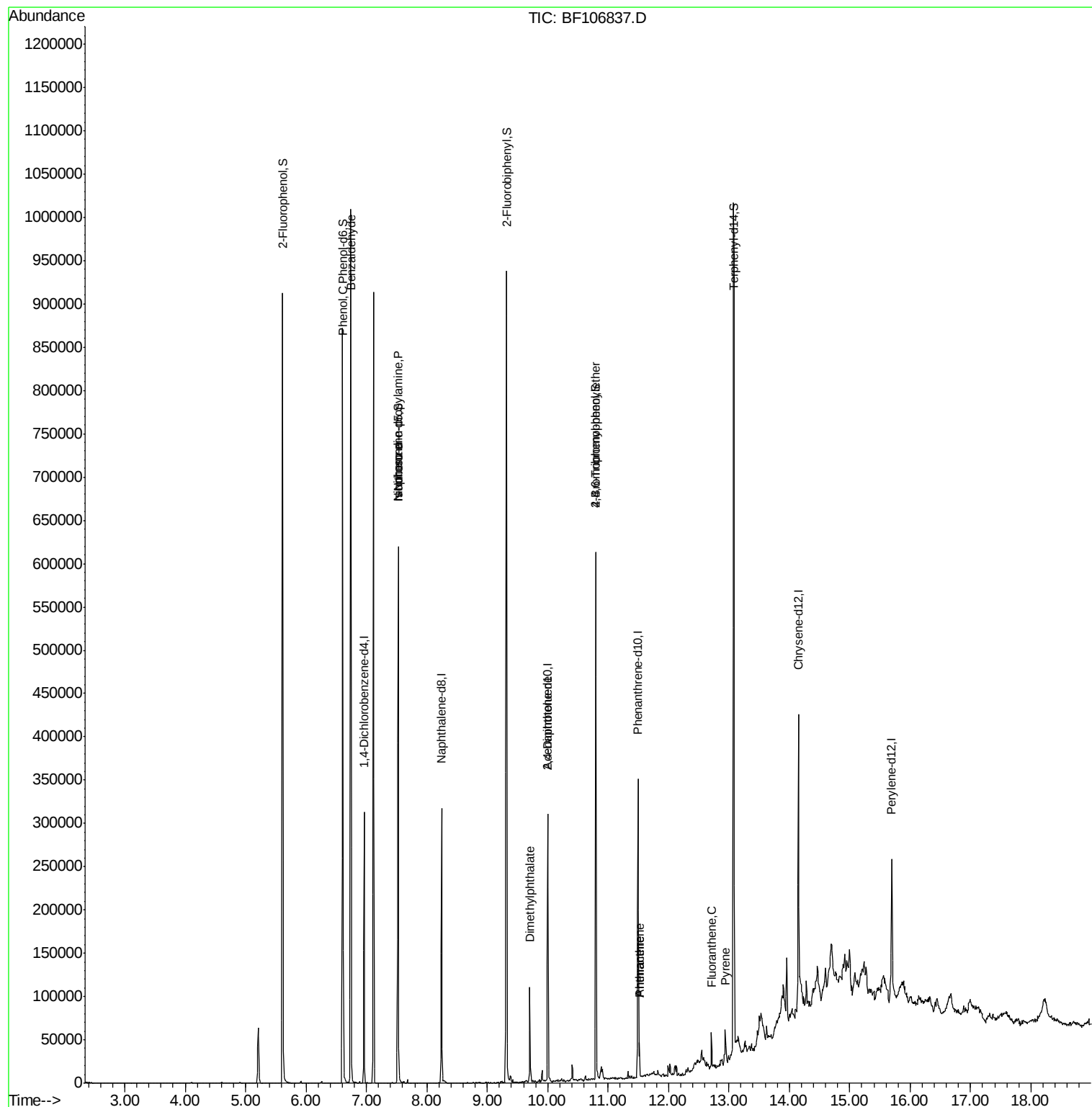
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	41287	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	144721	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	62663	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	124373	20.00	ng	0.00
75) Chrysene-d12	14.15	240	122893	20.00	ng	-0.01
86) Perylene-d12	15.70	264	83162	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	286696	117.58	ng	0.01
7) Phenol-d6	6.61	99	356075	116.94	ng	0.00
23) Nitrobenzene-d5	7.52	82	220016	84.49	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	88092	121.29	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	337540	92.47	ng	0.00
78) Terphenyl-d14	13.08	244	383832	75.66	ng	0.00
Target Compounds						
9) Benzaldehyde	6.74	77	6200	2.417	ng	Qvalue 87
10) Phenol	6.62	94	8253	2.375	ng	82
19) n-Nitroso-di-n-propylamine	7.52	70	28564	14.232	ng	# 73
25) Isophorone	7.52	82	220012	47.945	ng	# 64
49) Dimethylphthalate	9.71	163	45865	9.759	ng	# 98
56) 2,4-Dinitrotoluene	10.00	165	8237	6.341	ng	# 21
66) 4-Bromophenyl-phenylether	10.80	248	5519	3.718	ng	# 1
70) Phenanthrene	11.52	178	14474	2.413	ng	97
71) Anthracene	11.52	178	14474	2.364	ng	99
74) Fluoranthene	12.71	202	14104	2.133	ng	96
77) Pyrene	12.94	202	16513	2.038	ng	98

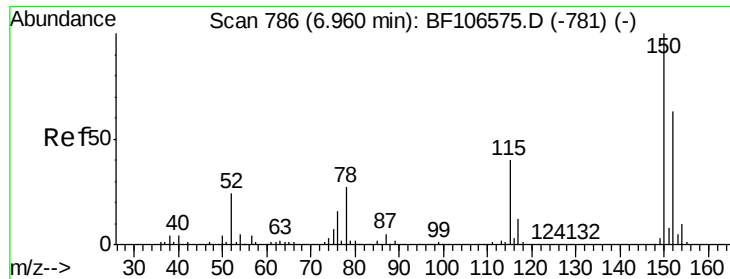
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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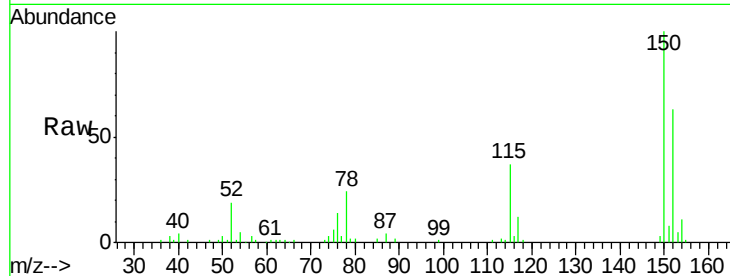




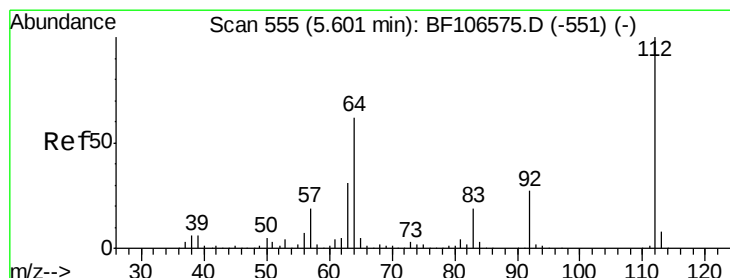
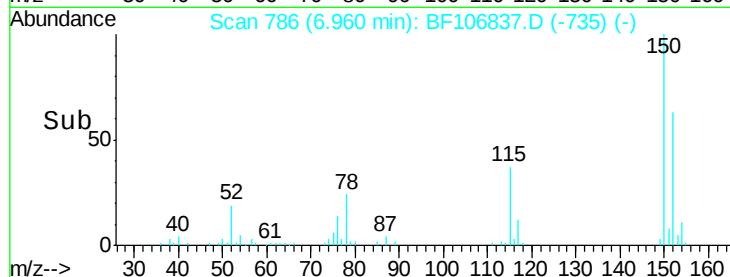
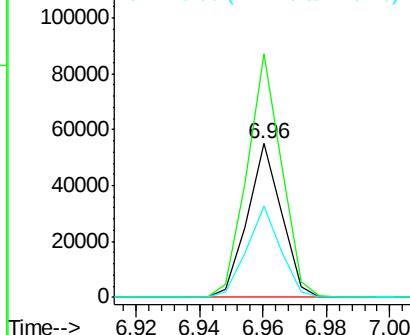
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.96 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: BF106837.D
 Acq: 26 Jun 2018 21:39

Instrument :
 BNA_F
 ClientSampleId :
 20180372-COMPOSITE-CS-1B

Tgt Ion:152 Resp: 41287
 Ion Ratio Lower Upper
 152 100
 150 158.3 124.6 186.8
 115 59.4 50.1 75.1

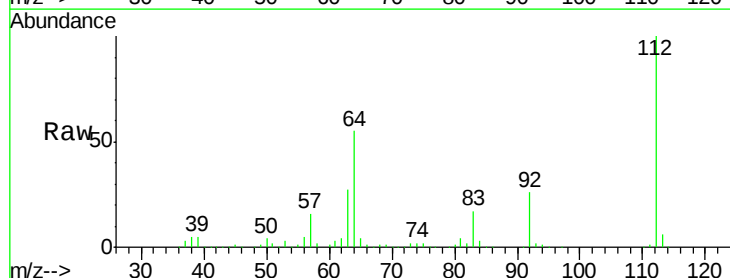


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

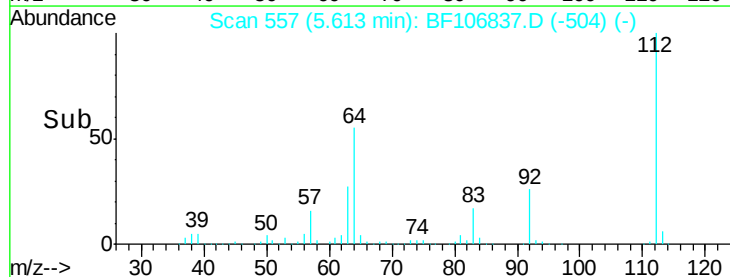
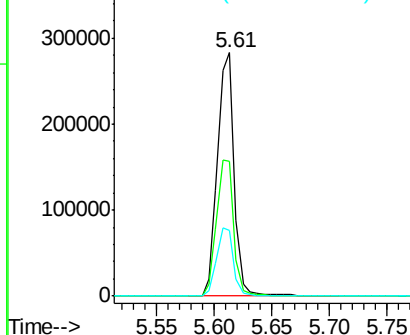


#5
 2-Fluorophenol
 Concen: 117.584 ng
 RT: 5.61 min Scan# 557
 Delta R.T. 0.01 min
 Lab File: BF106837.D
 Acq: 26 Jun 2018 21:39

Tgt Ion:112 Resp: 286696
 Ion Ratio Lower Upper
 112 100
 64 55.2 47.9 71.9
 63 27.2 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: 116.942 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF106837.D

Acq: 26 Jun 2018 21:39

Instrument :

BNA_F

ClientSampleId :

20180372-COMPOSITE-CS-1B

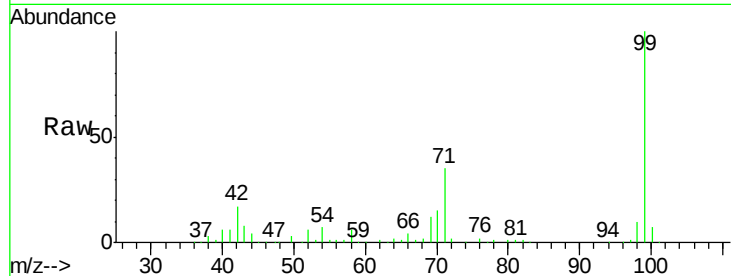
Tgt Ion: 99 Resp: 356075

Ion Ratio Lower Upper

99 100

42 16.7 14.5 21.7

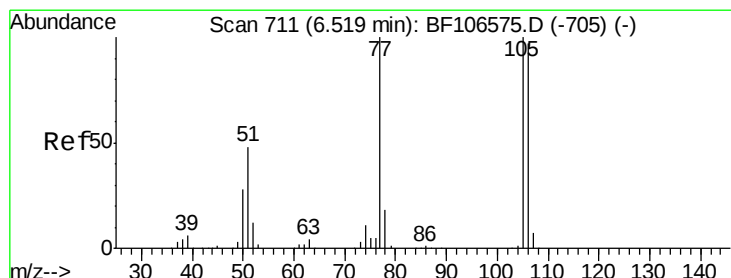
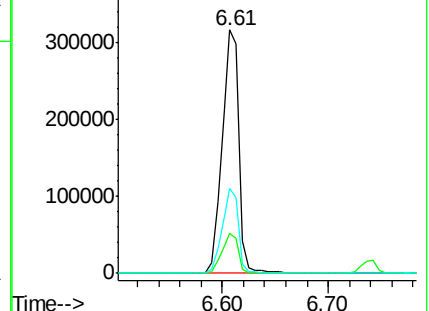
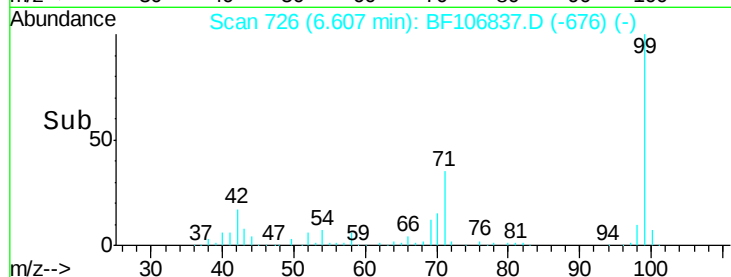
71 34.8 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.417 ng

RT: 6.74 min Scan# 749

Delta R.T. 0.22 min

Lab File: BF106837.D

Acq: 26 Jun 2018 21:39

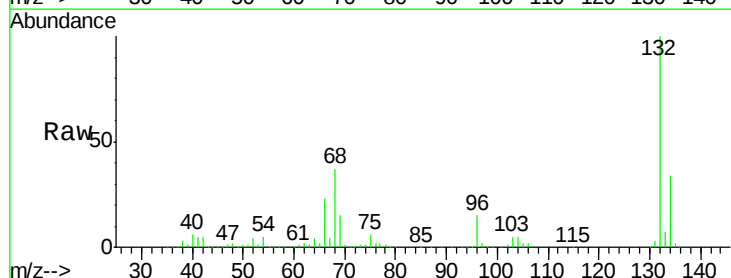
Tgt Ion: 77 Resp: 6200

Ion Ratio Lower Upper

77 100

105 88.4 81.1 121.1

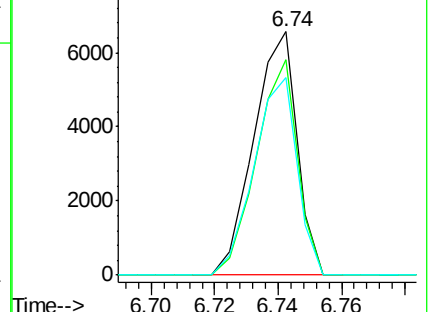
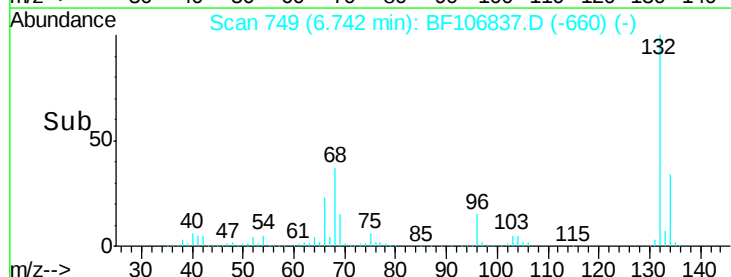
106 81.3 74.5 114.5

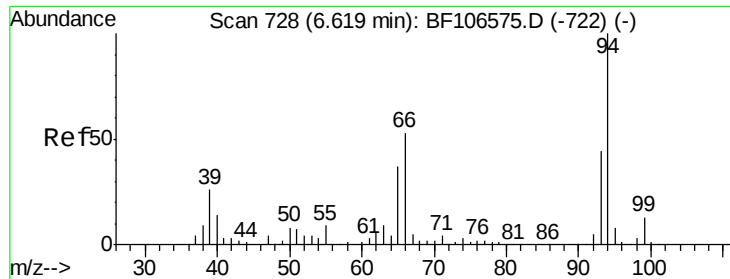


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 2.375 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF106837.D

Acq: 26 Jun 2018 21:39

Instrument :

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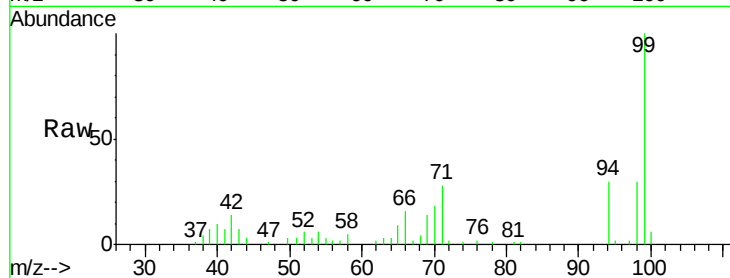
Tgt Ion: 94 Resp: 8253

Ion Ratio Lower Upper

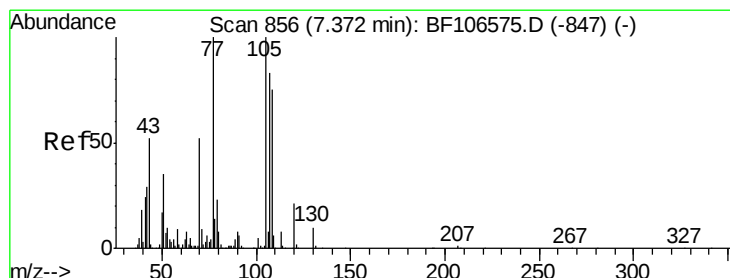
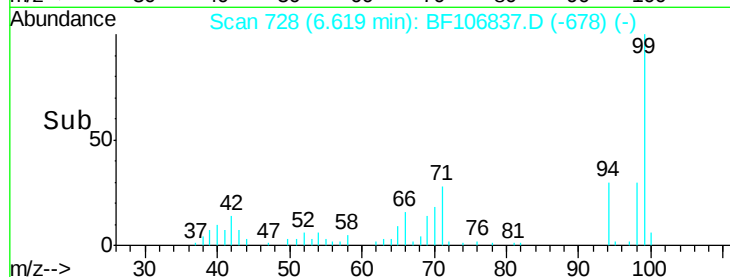
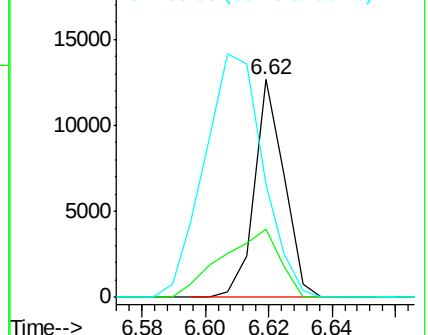
94 100

65 31.1 7.9 47.9

66 52.1 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 14.232 ng

RT: 7.52 min Scan# 882

Delta R.T. 0.14 min

Lab File: BF106837.D

Acq: 26 Jun 2018 21:39

Tgt Ion: 70 Resp: 28564

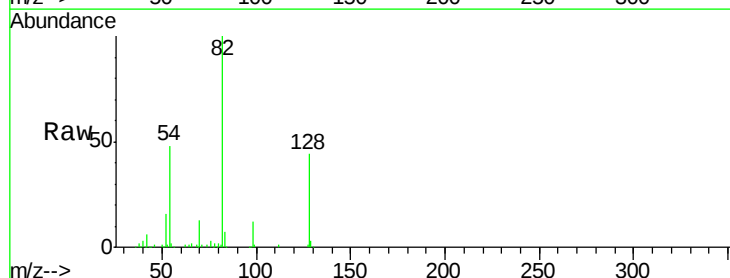
Ion Ratio Lower Upper

70 100

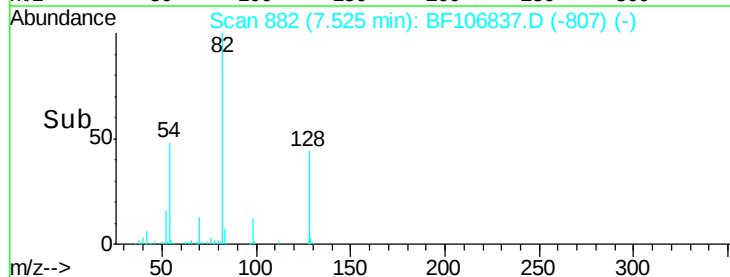
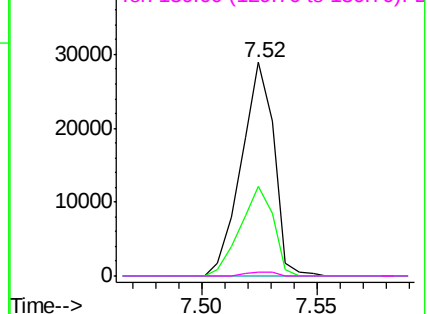
42 42.2 47.5 71.3#

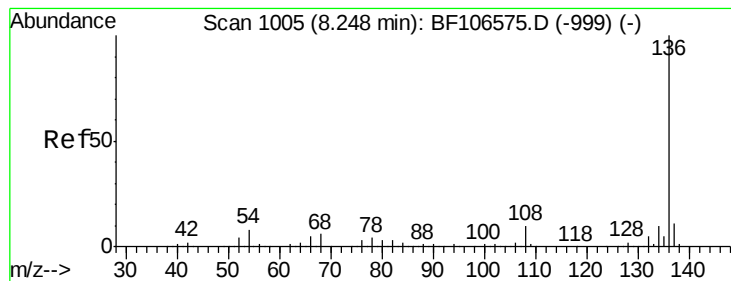
101 0.0 7.4 11.2#

130 2.0 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: 8.24 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF106837.D

Acq: 26 Jun 2018 21:39

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ClientSampleId :

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Tgt Ion: 136 Resp: 144721

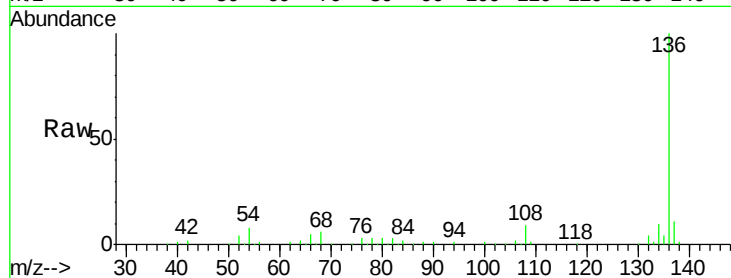
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 7.5 6.6 9.8

68 6.1 5.0 7.4

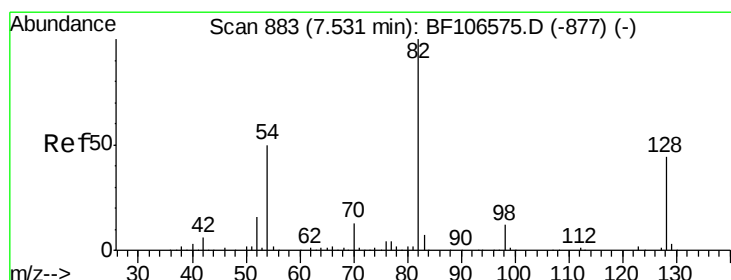
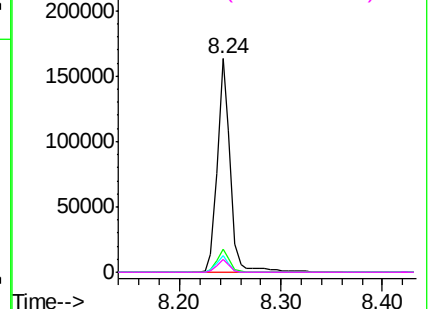
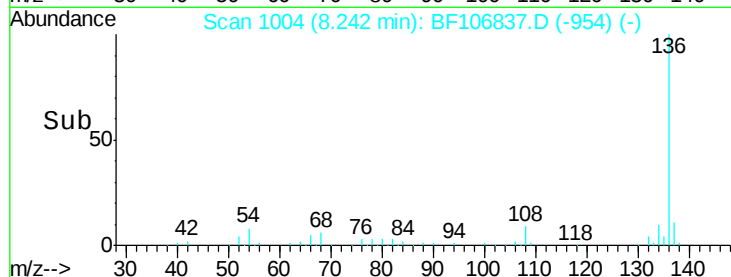


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 84.487 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF106837.D

Acq: 26 Jun 2018 21:39

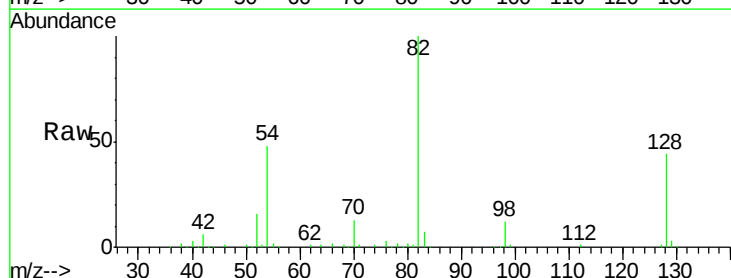
Tgt Ion: 82 Resp: 220016

Ion Ratio Lower Upper

82 100

128 43.9 36.1 54.1

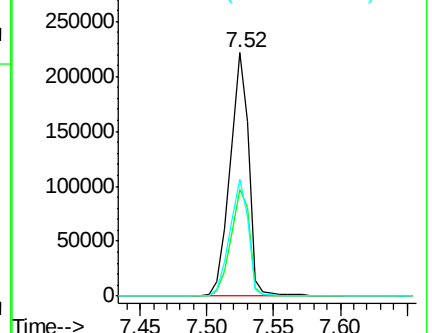
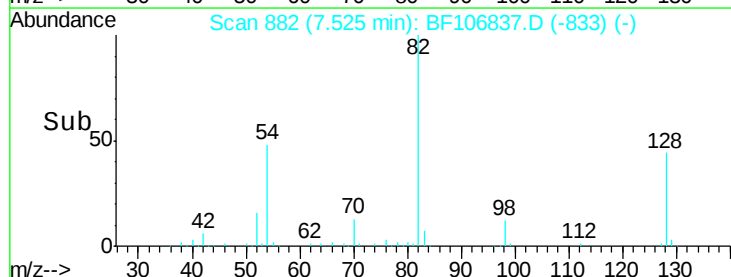
54 48.1 41.4 62.2

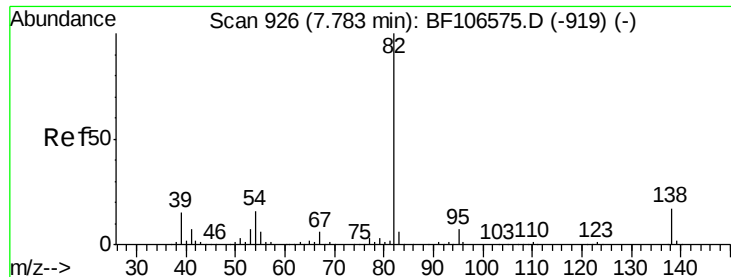


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 47.945 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.26 min

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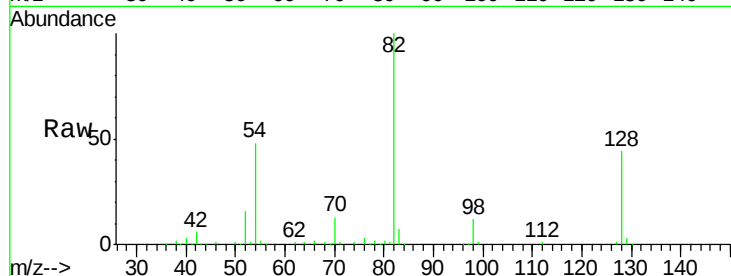
Tgt Ion: 82 Resp: 220012

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

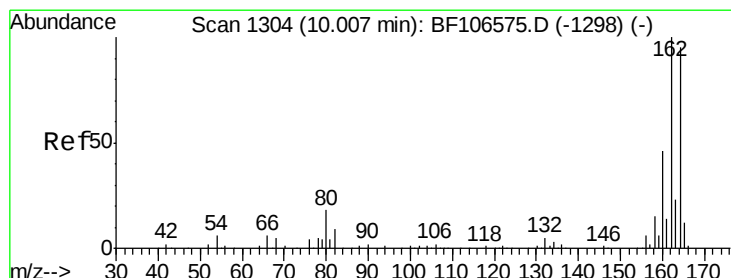
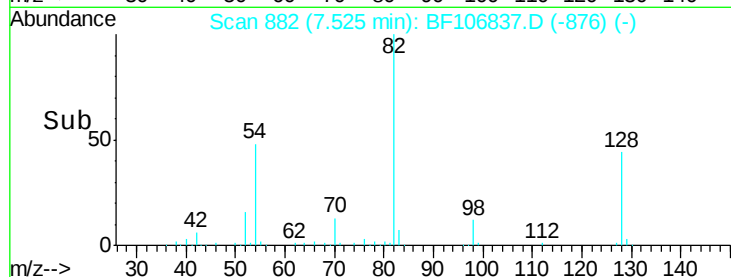
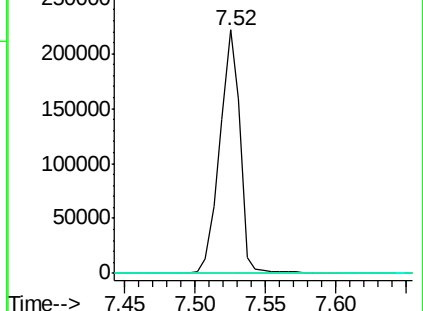
138 0.0 14.9 22.3#



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: 10.00 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF106837.D

Acq: 26 Jun 2018 21:39

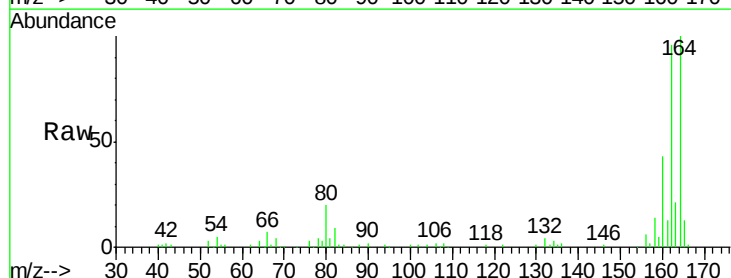
Tgt Ion: 164 Resp: 62663

Ion Ratio Lower Upper

164 100

162 95.7 86.1 129.1

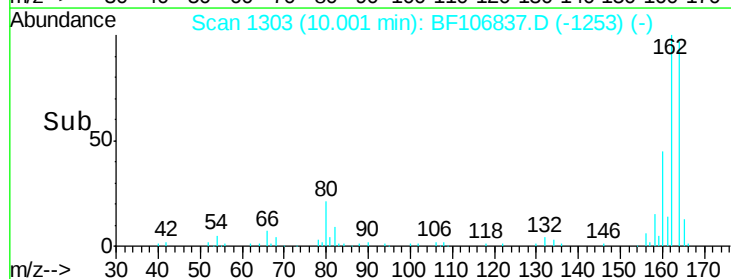
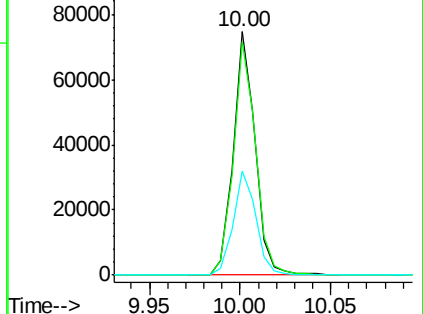
160 42.5 38.3 57.5



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

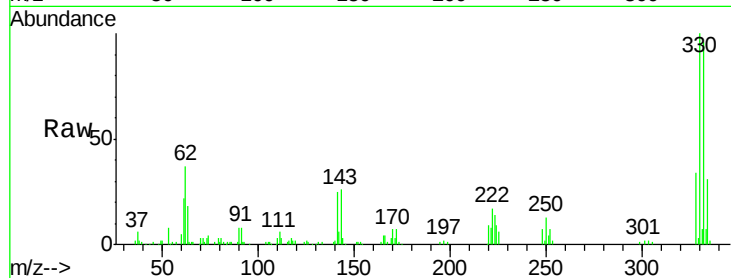




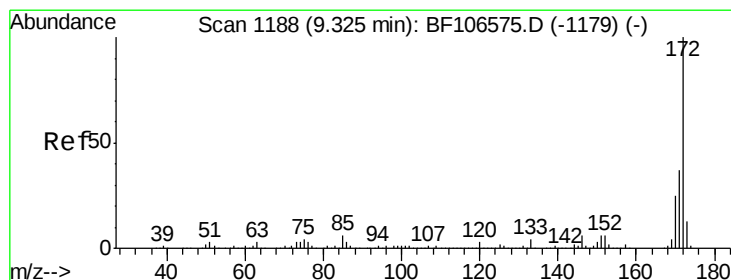
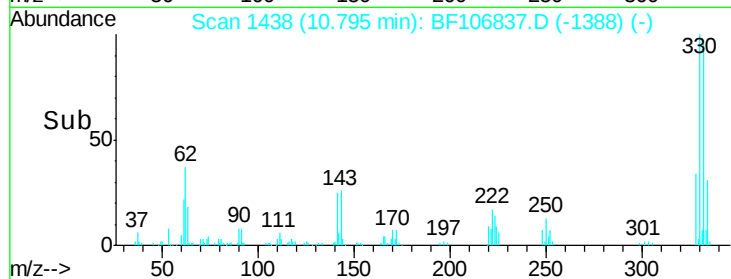
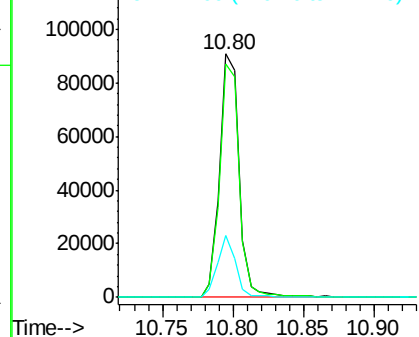
#41
 2,4,6-Tribromophenol
 Concen: 121.292 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF106837.D
 Acq: 26 Jun 2018 21:39

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Tgt Ion:330 Resp: 88092
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.0 115.6
 141 23.2 29.9 44.9#

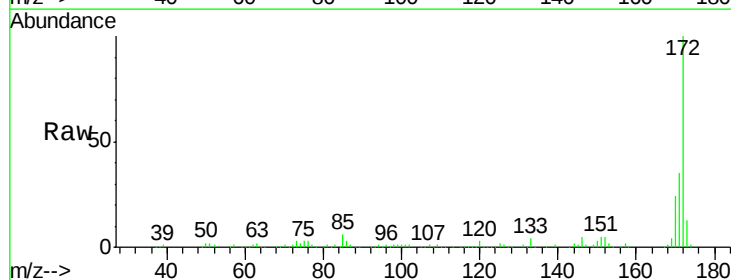


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

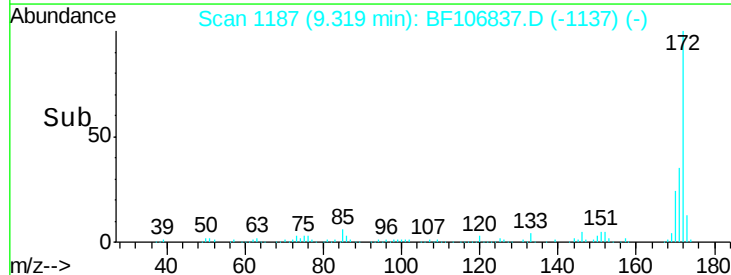
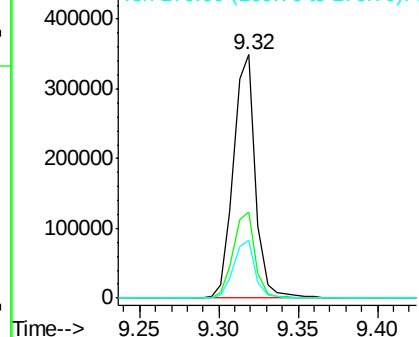


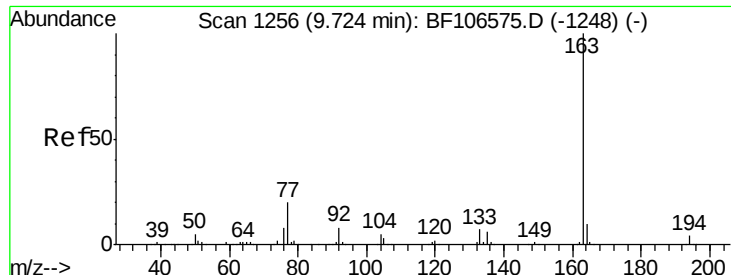
#44
 2-Fluorobiphenyl
 Concen: 92.471 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF106837.D
 Acq: 26 Jun 2018 21:39

Tgt Ion:172 Resp: 337540
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.7 44.5
 170 23.7 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

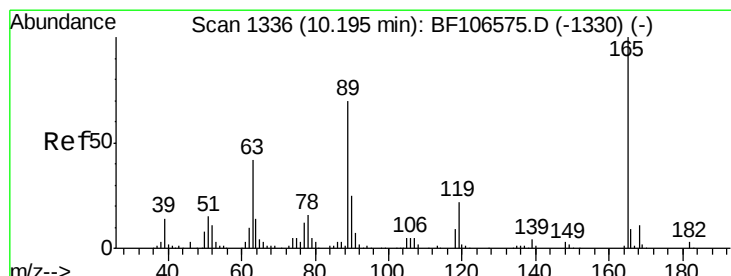
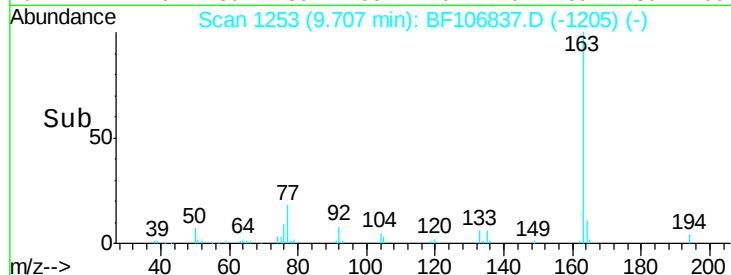
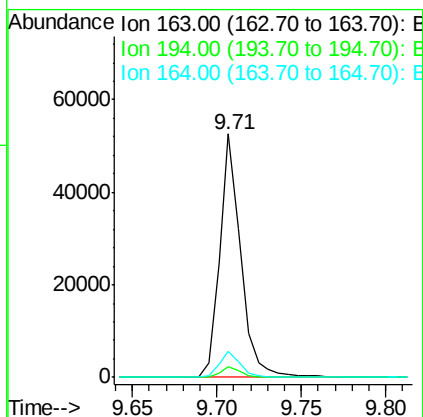
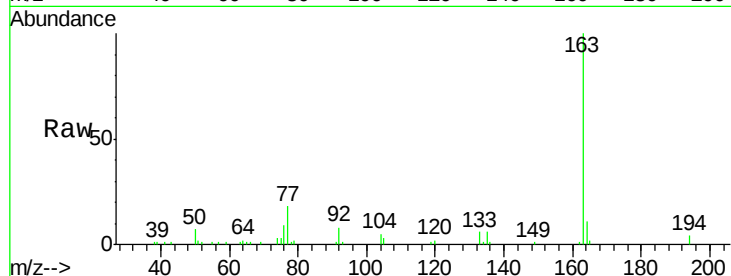




#49
Dimethylphthalate
Concen: 9.759 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF106837.D
Acq: 26 Jun 2018 21:39

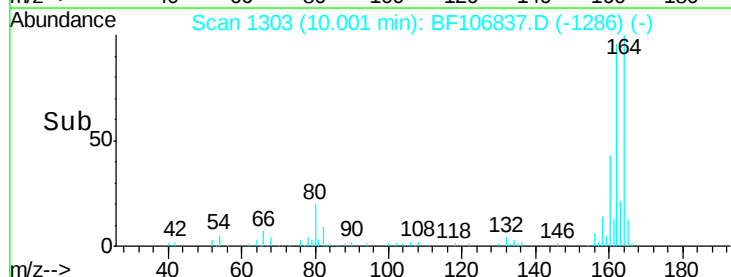
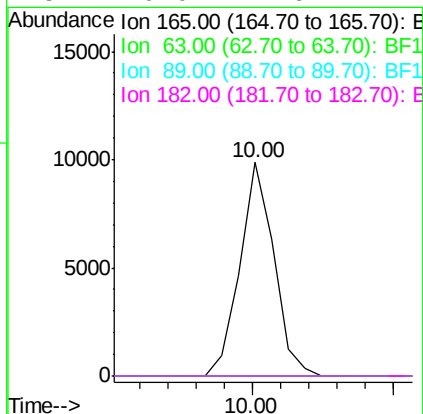
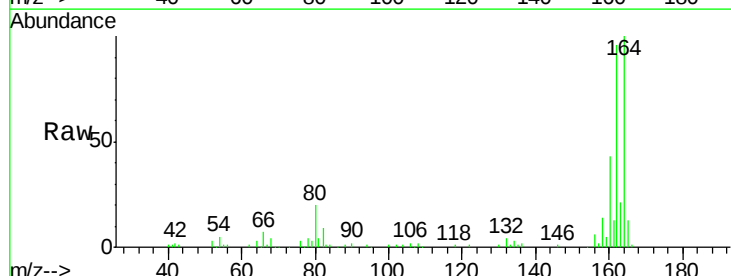
Instrument :
BNA_F
ClientSampleId :
20180372-COMPOSITE-CS-1B

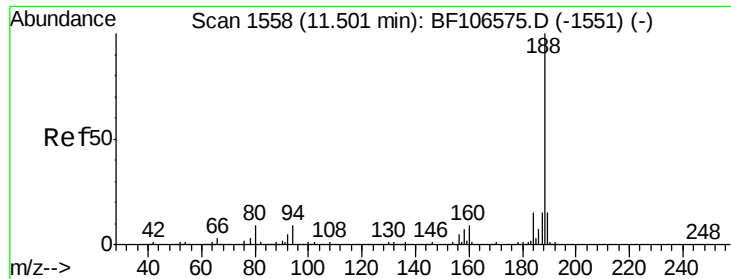
Tgt Ion:163 Resp: 45865
Ion Ratio Lower Upper
163 100
194 4.2 2.7 4.1#
164 10.9 8.2 12.2



#56
2,4-Dinitrotoluene
Concen: 6.341 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.20 min
Lab File: BF106837.D
Acq: 26 Jun 2018 21:39

Tgt Ion:165 Resp: 8237
Ion Ratio Lower Upper
165 100
63 0.0 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: 11.50 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF106837.D

Acq: 26 Jun 2018 21:39

Instrument :

BNA_F

ClientSampleId :

20180372-COMPOSITE-CS-1B

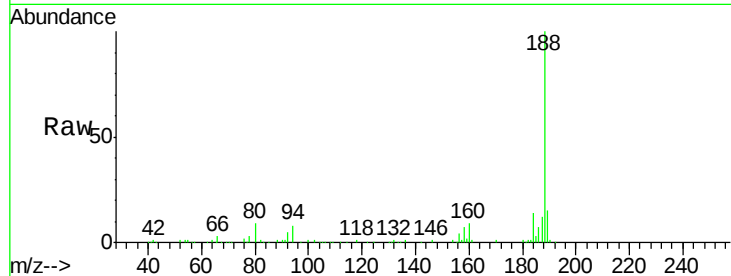
Tgt Ion:188 Resp: 124373

Ion Ratio Lower Upper

188 100

94 8.4 8.5 12.7#

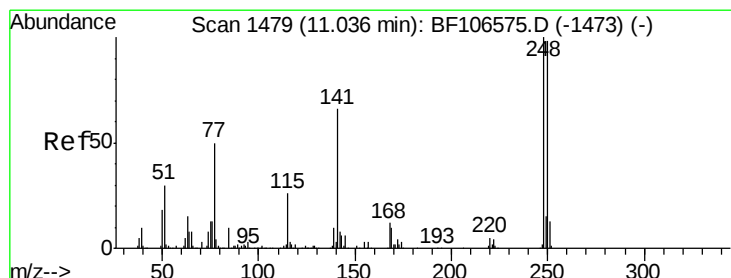
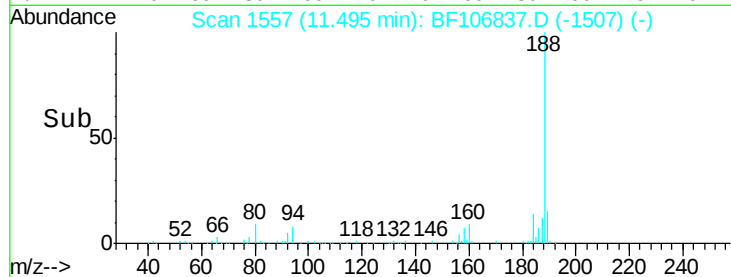
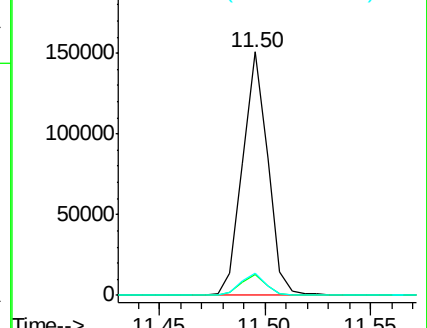
80 9.3 9.2 13.8



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



#66

4-Bromophenyl-phenylether

Concen: 3.718 ng

RT: 10.80 min Scan# 1438

Delta R.T. -0.24 min

Lab File: BF106837.D

Acq: 26 Jun 2018 21:39

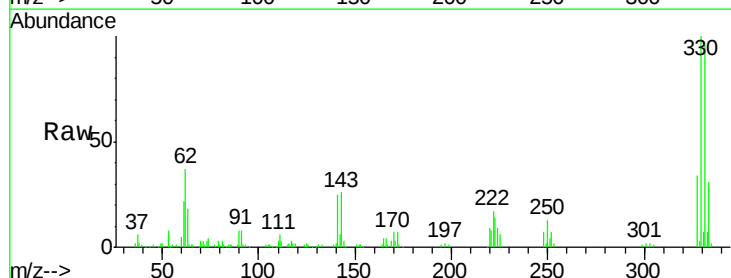
Tgt Ion:248 Resp: 5519

Ion Ratio Lower Upper

248 100

250 200.6 76.9 115.3#

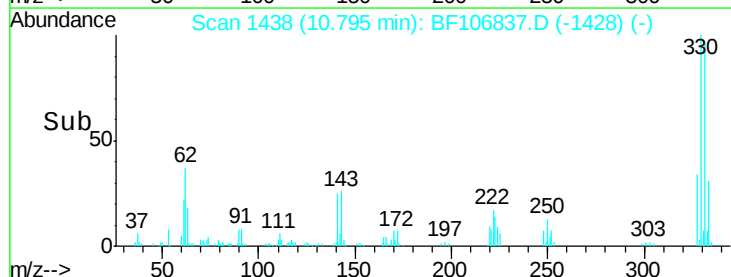
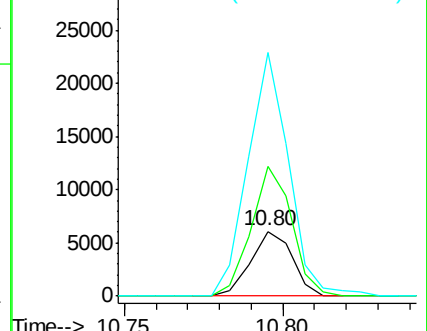
141 375.2 74.4 111.6#

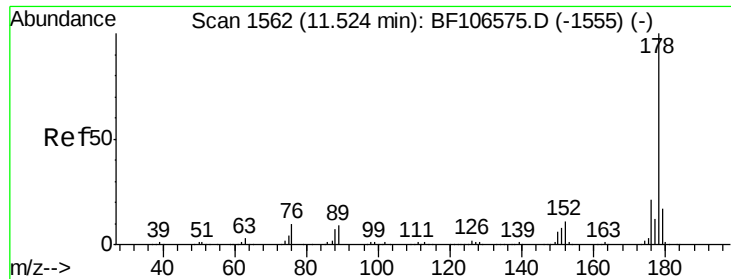


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

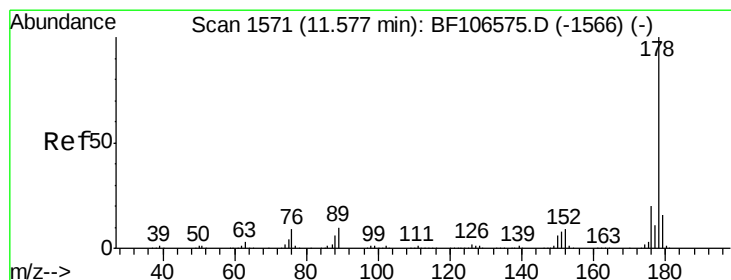
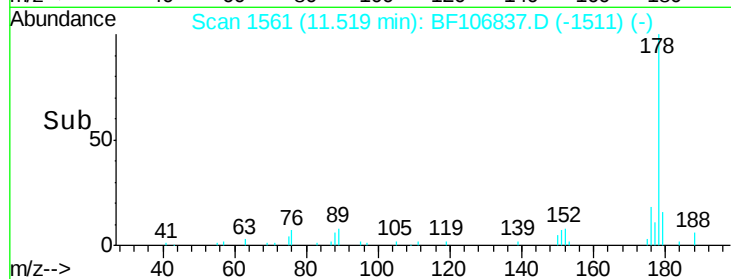
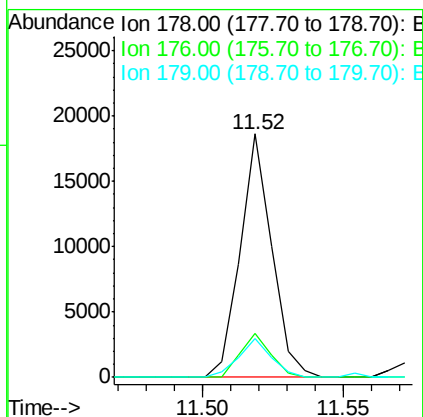
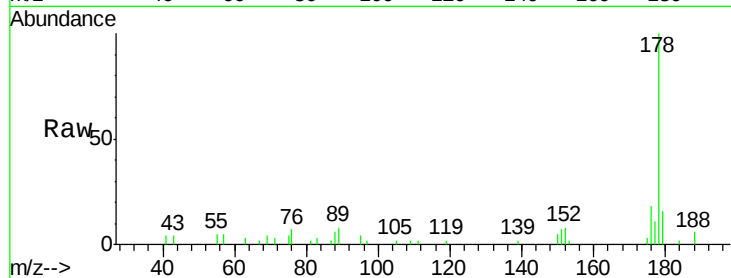




#70
Phenanthrene
Concen: 2.413 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF106837.D
Acq: 26 Jun 2018 21:39

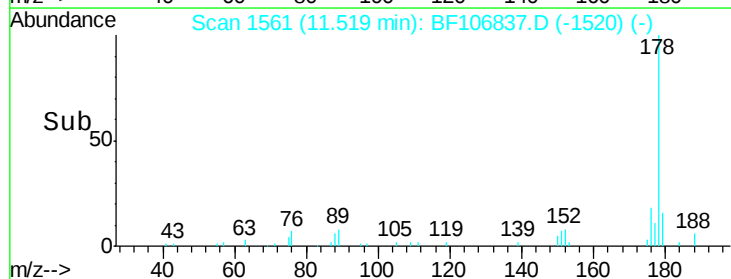
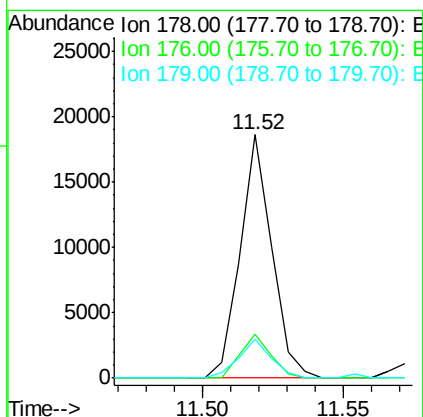
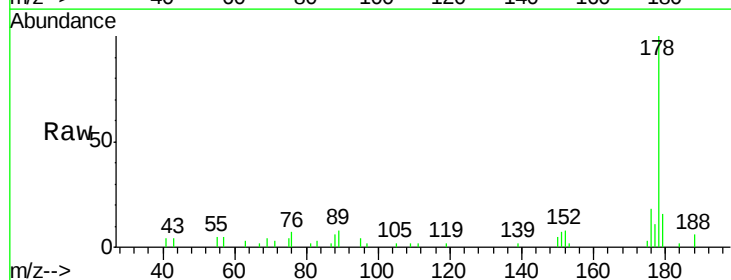
Instrument :
BNA_F
ClientSampleId :
20180372-COMPOSITE-CS-1B

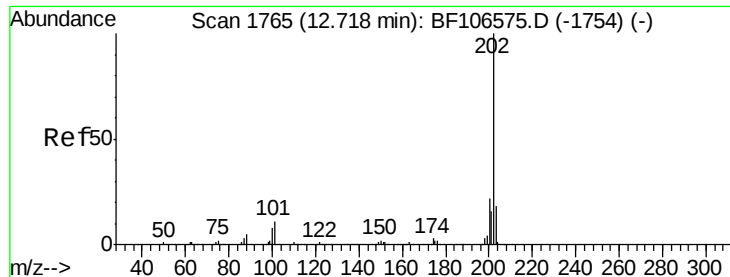
Tgt Ion:178 Resp: 14474
Ion Ratio Lower Upper
178 100
176 18.2 15.8 23.8
179 15.7 13.0 19.6



#71
Anthracene
Concen: 2.364 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.06 min
Lab File: BF106837.D
Acq: 26 Jun 2018 21:39

Tgt Ion:178 Resp: 14474
Ion Ratio Lower Upper
178 100
176 18.2 15.4 23.2
179 15.7 12.6 19.0





#74

Fluoranthene

Concen: 2.133 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF106837.D

Acq: 26 Jun 2018 21:39

Instrument :

BNA_F

ClientSampleId :

20180372-COMPOSITE-CS-1B

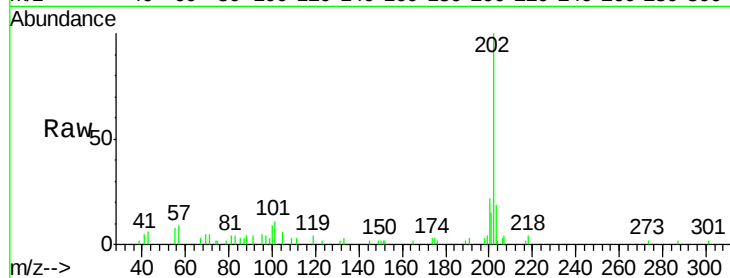
Tgt Ion:202 Resp: 14104

Ion Ratio Lower Upper

202 100

101 11.3 0.0 34.1

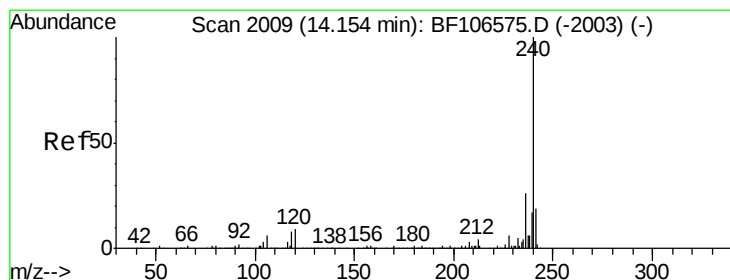
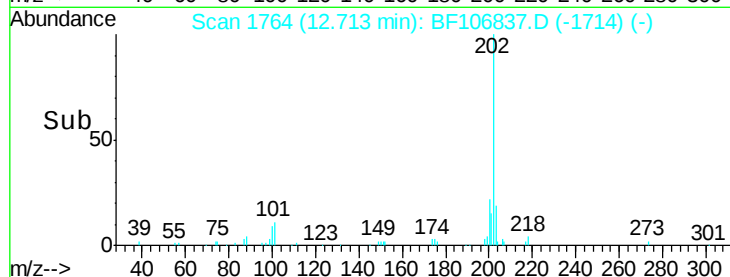
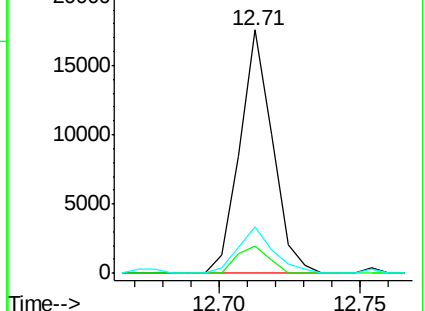
203 18.9 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF106837.D

Acq: 26 Jun 2018 21:39

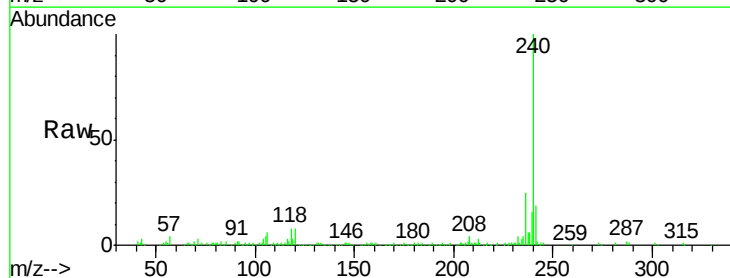
Tgt Ion:240 Resp: 122893

Ion Ratio Lower Upper

240 100

120 8.1 9.5 14.3#

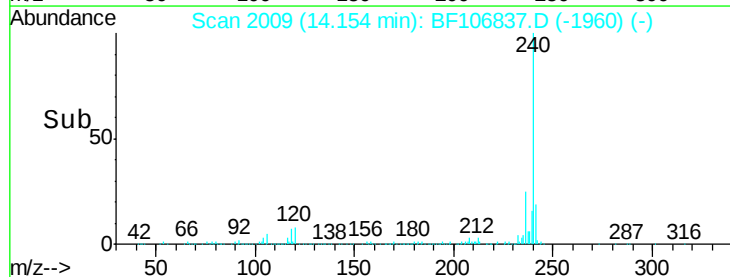
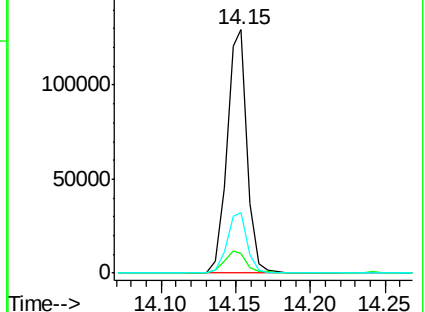
236 25.0 20.7 31.1

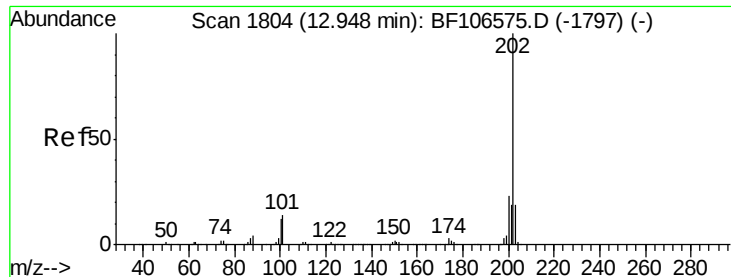


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 2.038 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF106837.D

Acq: 26 Jun 2018 21:39

Instrument :

BNA_F

ClientSampleId :

20180372-COMPOSITE-CS-1B

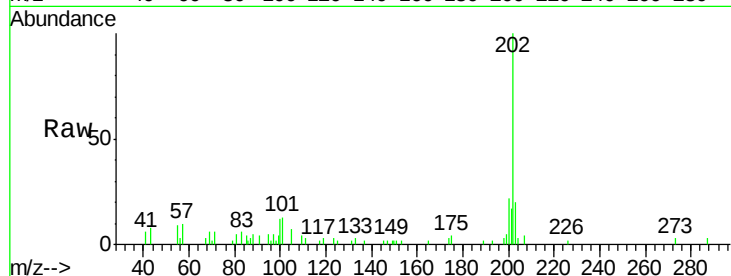
Tgt Ion:202 Resp: 16513

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

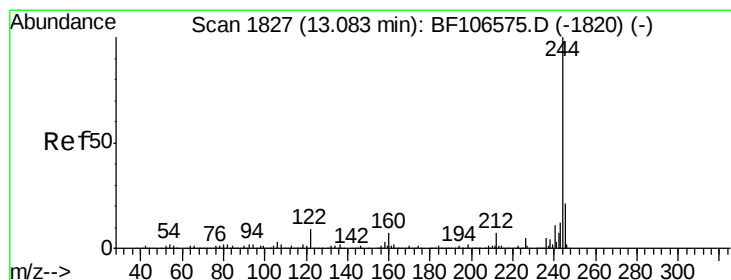
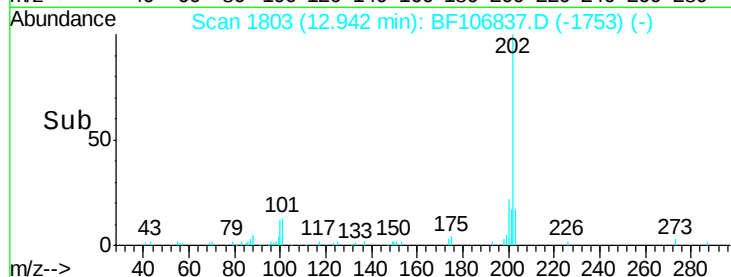
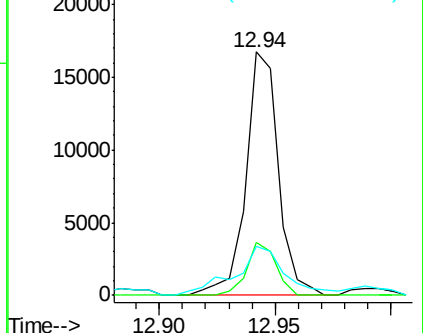
203 20.0 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 75.656 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF106837.D

Acq: 26 Jun 2018 21:39

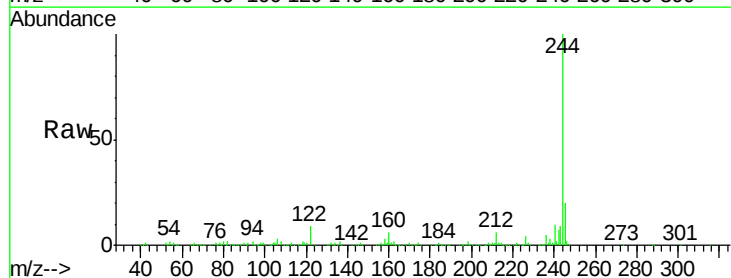
Tgt Ion:244 Resp: 383832

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

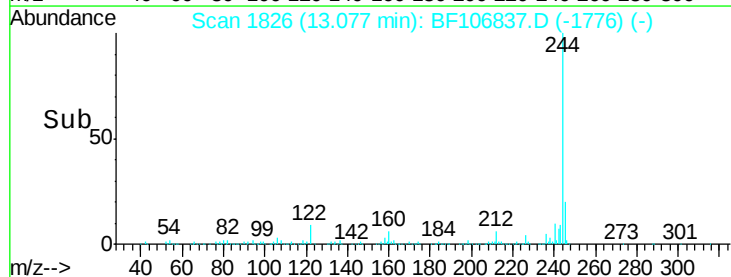
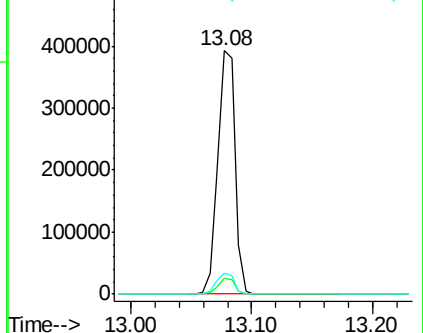
122 8.7 11.0 16.4#

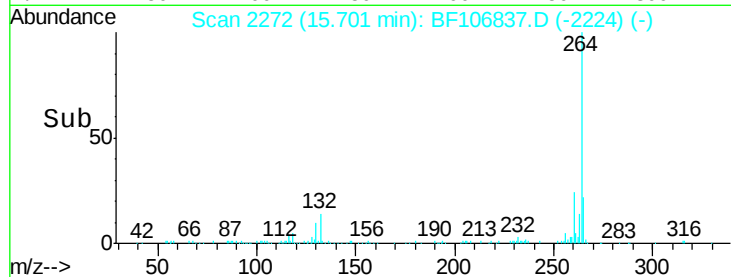
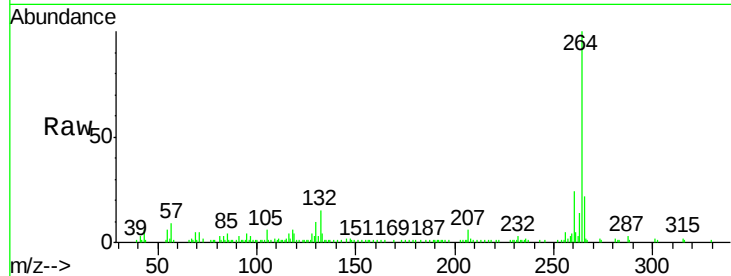
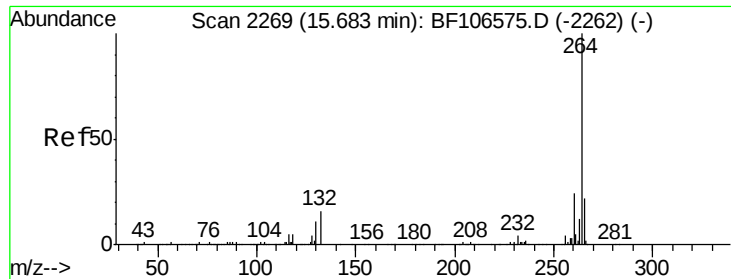


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.70 min Scan# 2272
Delta R.T. -0.02 min
Lab File: BF106837.D
Acq: 26 Jun 2018 21:39

Instrument :
BNA_F
ClientSampleId :
20180372-COMPOSITE-CS-1B

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.3	17.5	26.3

