

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062018\
 Data File : BF106649.D
 Acq On : 21 Jun 2018 8:51
 Operator : JU/SJ
 Sample : J3529-04DL 10X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TPTW-02DL

Quant Time: Jun 21 09:18:19 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 19 14:32:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	83217	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	324324	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	162939	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	289761	20.00	ng	0.00
75) Chrysene-d12	14.15	240	268205	20.00	ng	0.00
86) Perylene-d12	15.69	264	222393	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	33014	6.72	ng	0.00
7) Phenol-d6	6.60	99	28423	4.63	ng	0.00
23) Nitrobenzene-d5	7.52	82	51389	8.81	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	25116	13.30	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	116877	-3.16	ng	-0.01
78) Terphenyl-d14	13.08	244	105572	9.53	ng	0.00

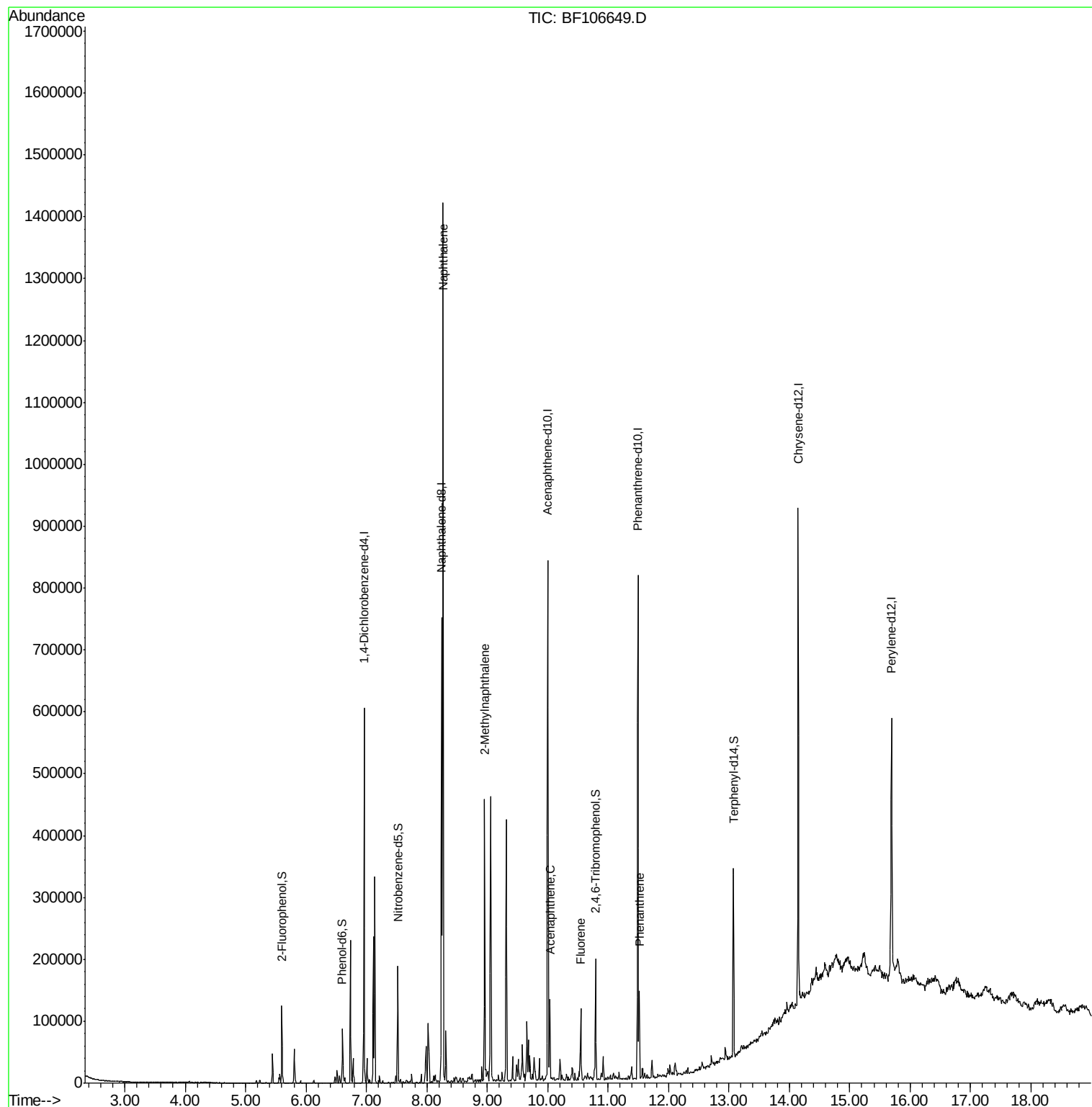
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.27	128	565984	37.326	ng	99
37) 2-Methylnaphthalene	8.95	142	128988	12.834	ng	93
51) Acenaphthene	10.04	154	26657	2.623	ng	97
57) Fluorene	10.55	166	30360	2.750	ng	94
70) Phenanthrene	11.52	178	47496	3.398	ng	99

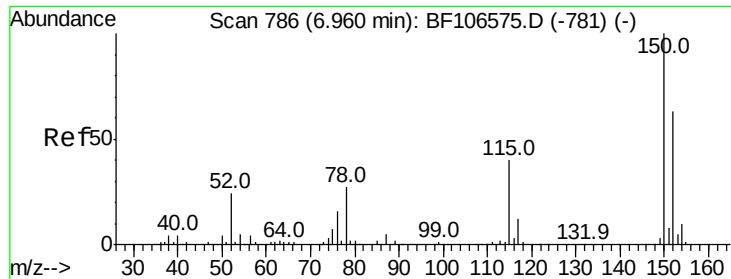
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jun 19 14:32:09 2018
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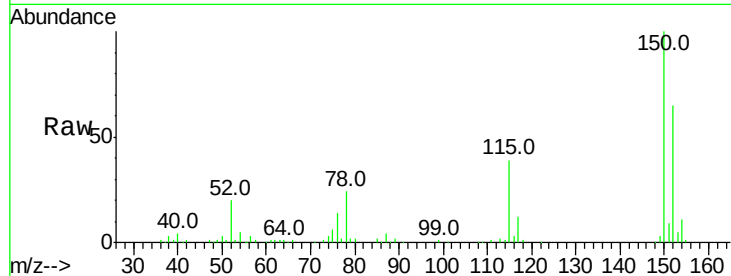


#1

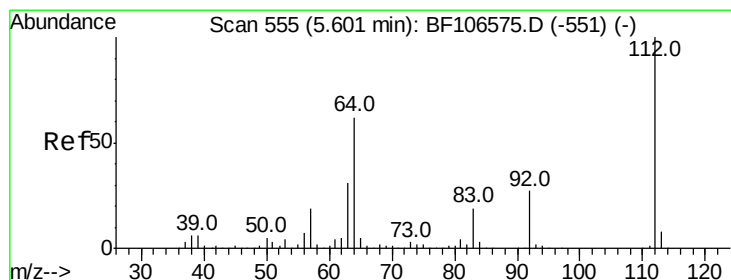
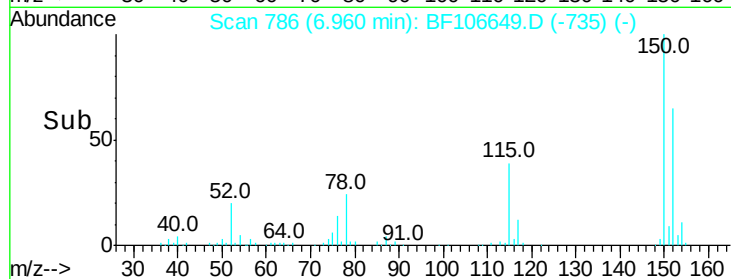
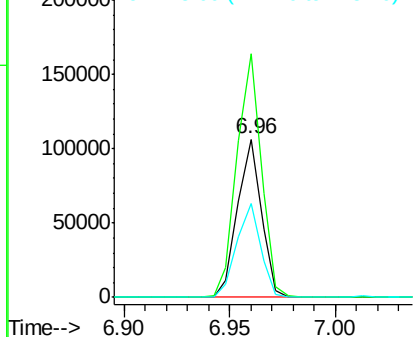
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF106649.D
Acq: 21 Jun 2018 8:51

Instrument :
BNA_F
ClientSampleId :
TPTW-02DL

Tot Ion:152 Resp: 83217
Ion Ratio Lower Upper
152 100
150 154.1 124.6 186.8
115 59.5 50.1 75.1



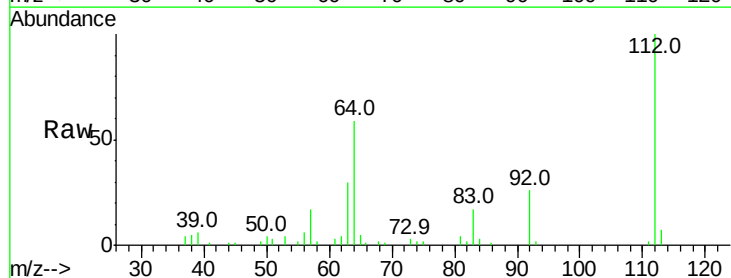
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



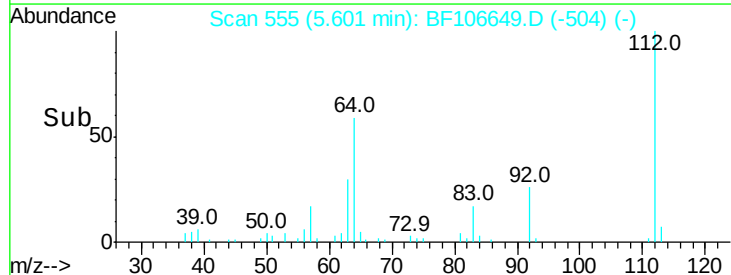
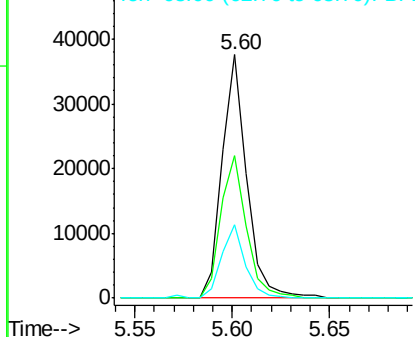
#5

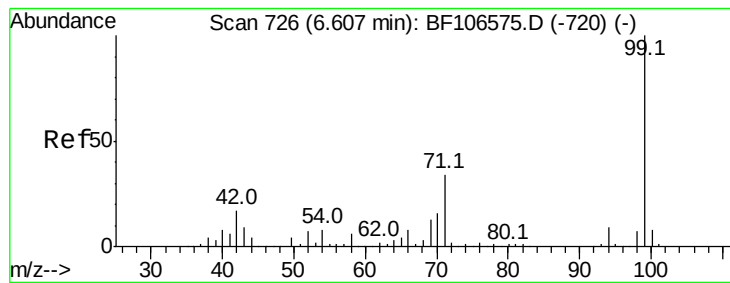
2-Fluorophenol
Concen: 6.718 ng
RT: 5.60 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF106649.D
Acq: 21 Jun 2018 8:51

Tgt Ion:112 Resp: 33014
Ion Ratio Lower Upper
112 100
64 58.6 47.9 71.9
63 30.3 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: 4.631 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF106649.D

Acq: 21 Jun 2018 8:51

Instrument :

BNA_F

ClientSampleId :

TPTW-02DL

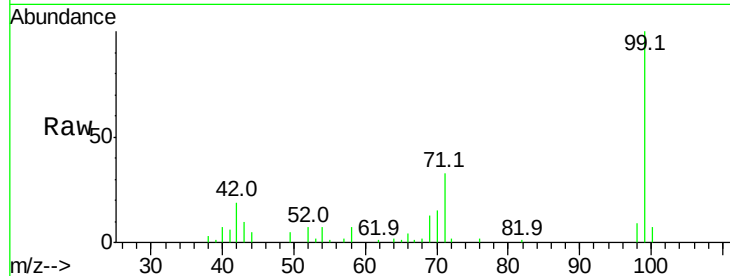
Tot Ion: 99 Resp: 28423

Ion Ratio Lower Upper

99 100

42 18.6 14.5 21.7

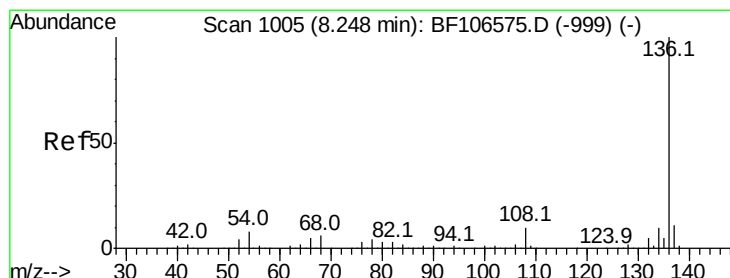
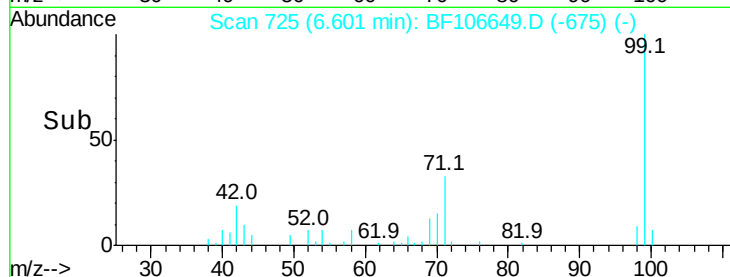
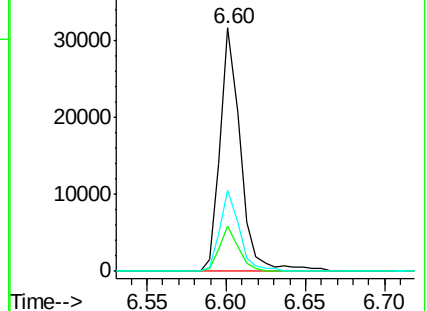
71 33.4 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF106649.D

Acq: 21 Jun 2018 8:51

Tgt Ion: 136 Resp: 324324

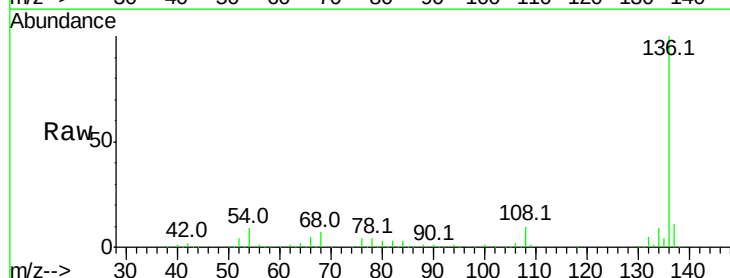
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 8.6 6.6 9.8

68 6.7 5.0 7.4

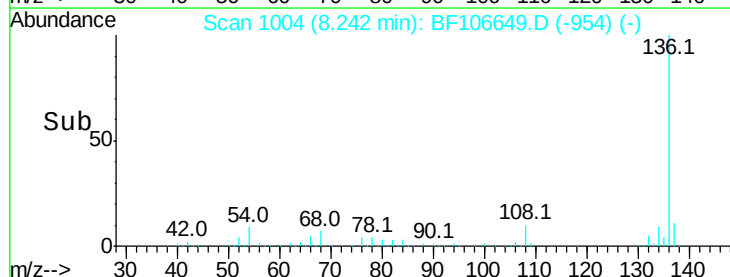
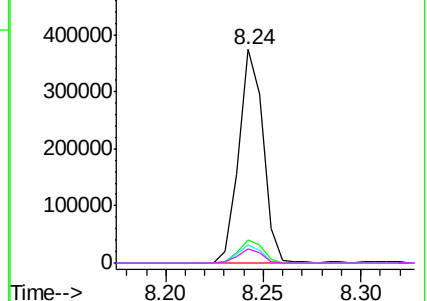


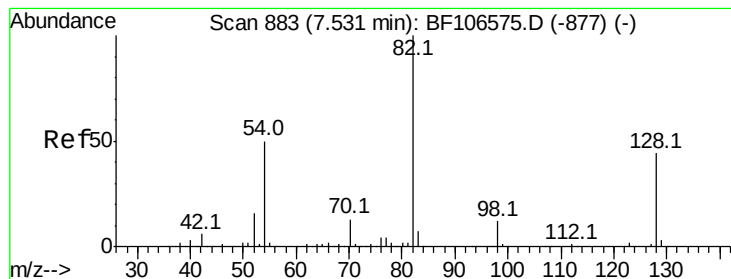
Abundance Ion 136.00 (135.70 to 136.70): E

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: 8.806 ng

RT: 7.52 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF106649.D

Acq: 21 Jun 2018 8:51

Instrument :

BNA_F

ClientSampleId :

TPTW-02DL

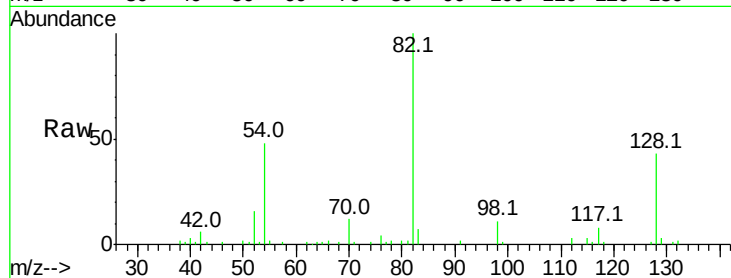
Tot Ion: 82 Resp: 51389

Ion Ratio Lower Upper

82 100

128 43.1 36.1 54.1

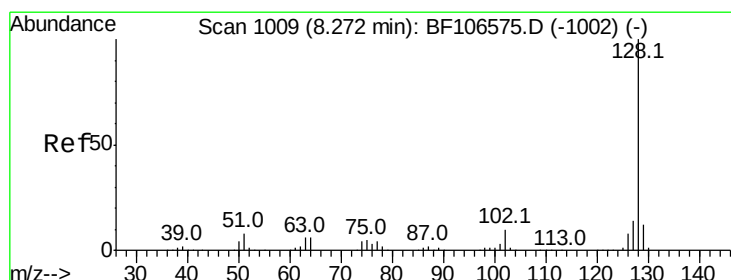
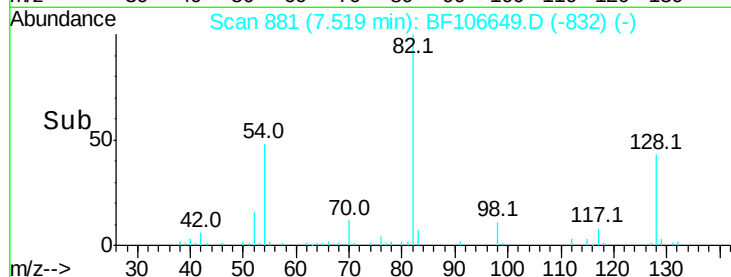
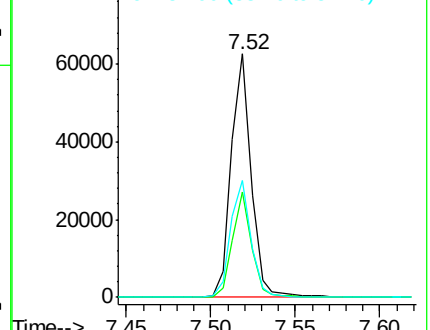
54 47.9 41.4 62.2



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



#31

Naphthalene

Concen: 37.326 ng

RT: 8.27 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF106649.D

Acq: 21 Jun 2018 8:51

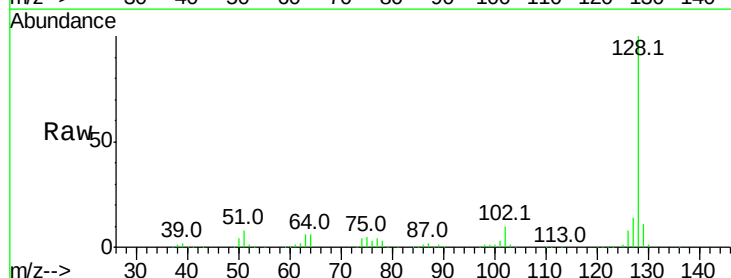
Tgt Ion: 128 Resp: 565984

Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

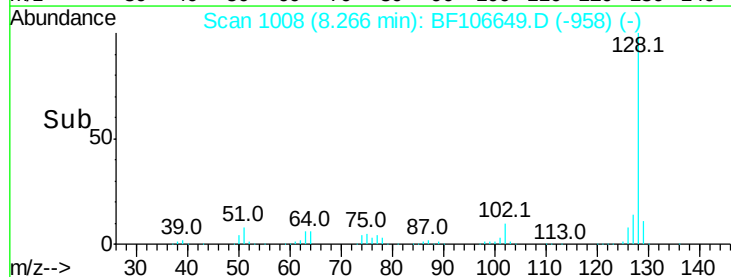
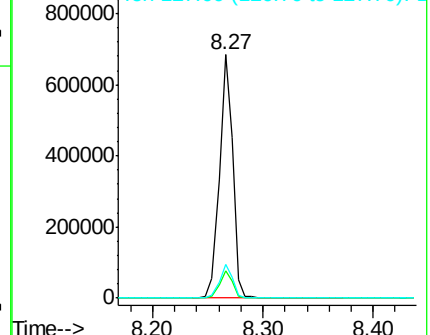
127 14.0 10.9 16.3

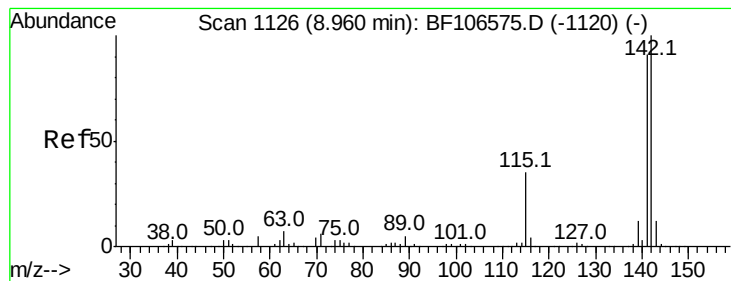


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#37

2-Methylnaphthalene

Concen: 12.834 ng

RT: 8.95 min Scan# 1125

Delta R.T. -0.01 min

Lab File: BF106649.D

Acq: 21 Jun 2018 8:51

Instrument :

BNA_F

ClientSampleId :

TPTW-02DL

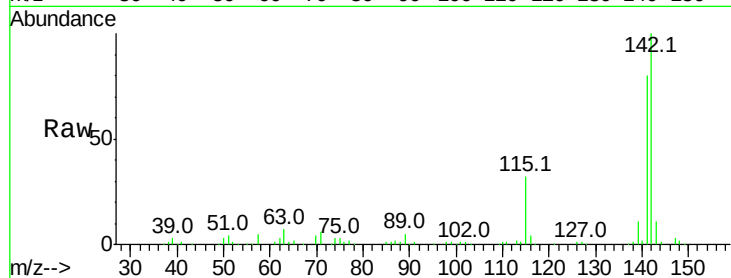
Tot Ion:142 Resp: 128988

Ion Ratio Lower Upper

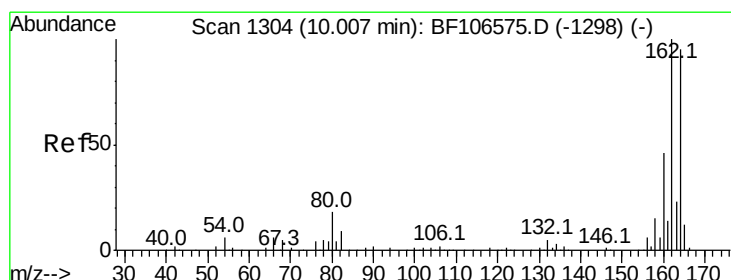
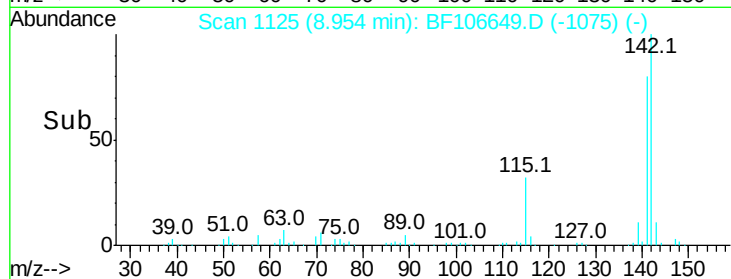
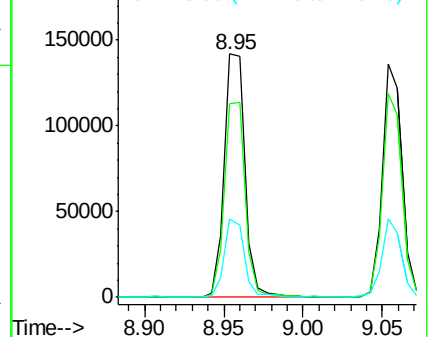
142 100

141 79.5 70.8 106.2

115 32.0 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF106649.D

Acq: 21 Jun 2018 8:51

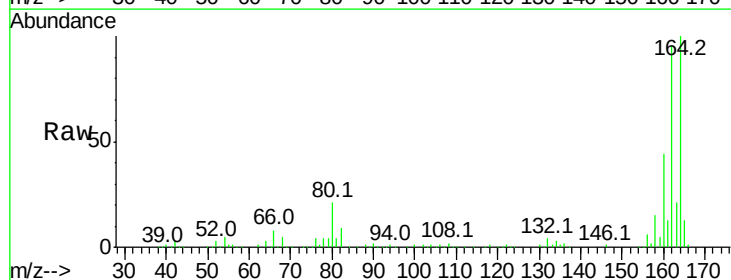
Tgt Ion:164 Resp: 162939

Ion Ratio Lower Upper

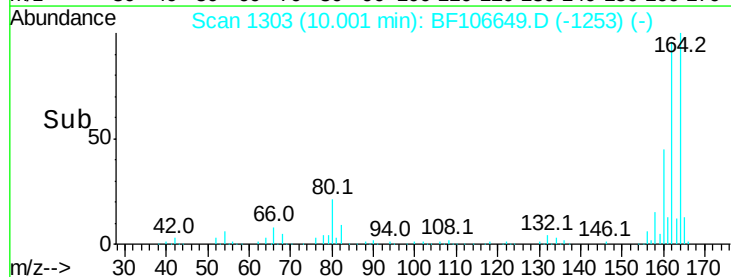
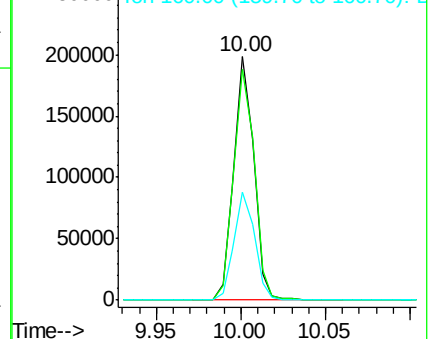
164 100

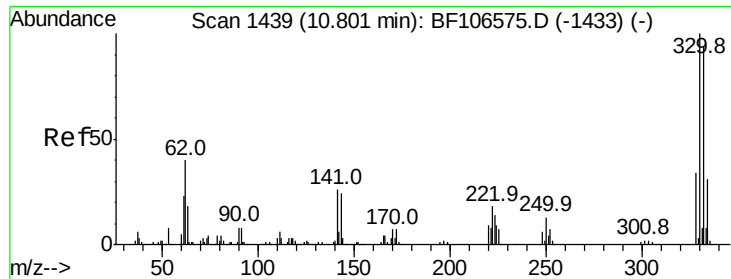
162 94.9 86.1 129.1

160 44.1 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

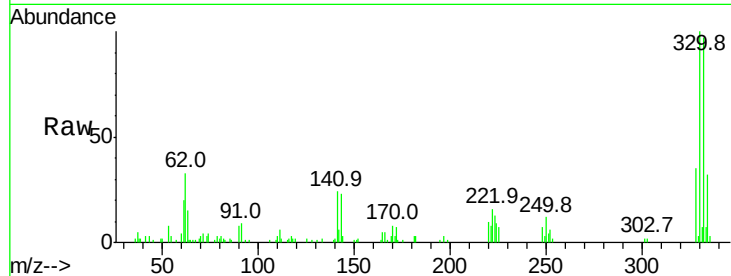




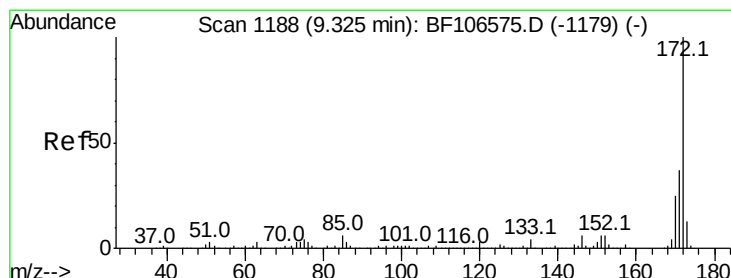
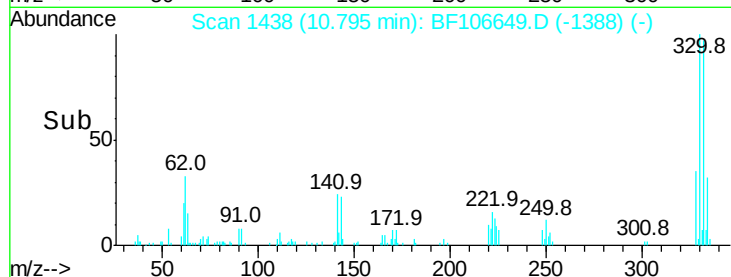
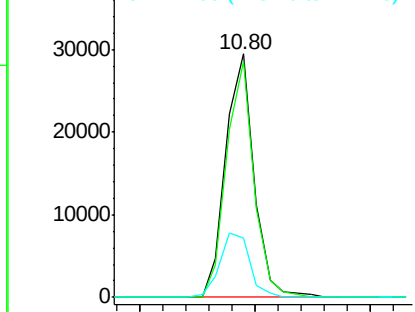
#41
 2,4,6-Tribromophenol
 Concen: 13.299 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF106649.D
 Acq: 21 Jun 2018 8:51

Instrument :
 BNA_F
 ClientSampleId :
 TPTW-02DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.9	77.0	115.6
141	27.7	29.9	44.9#

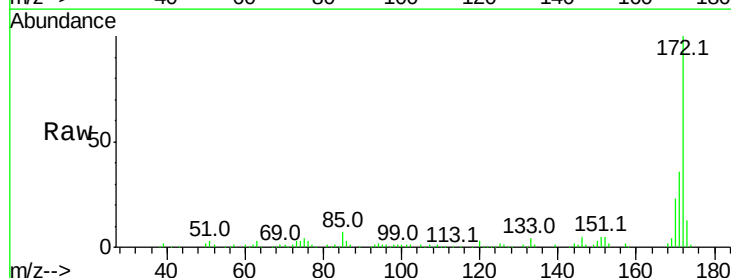


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

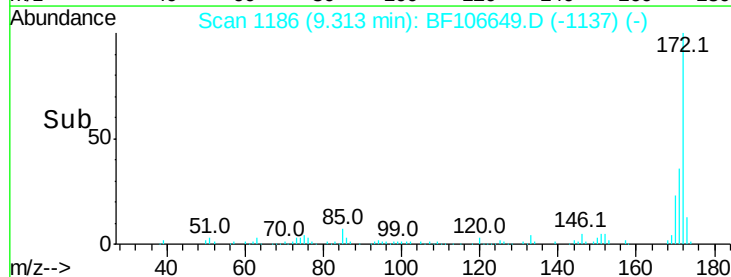
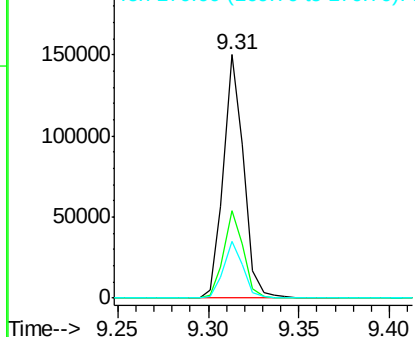


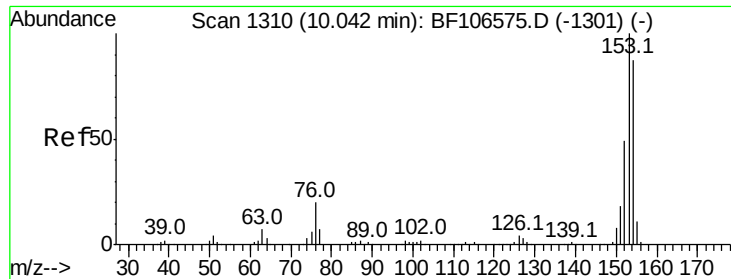
#44
 2-Fluorobiphenyl
 Concen: -3.158 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF106649.D
 Acq: 21 Jun 2018 8:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	23.3	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





#51

Acenaphthene

Concen: 2.623 ng

RT: 10.04 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF106649.D

Acq: 21 Jun 2018 8:51

Instrument :

BNA_F

ClientSampleId :

TPTW-02DL

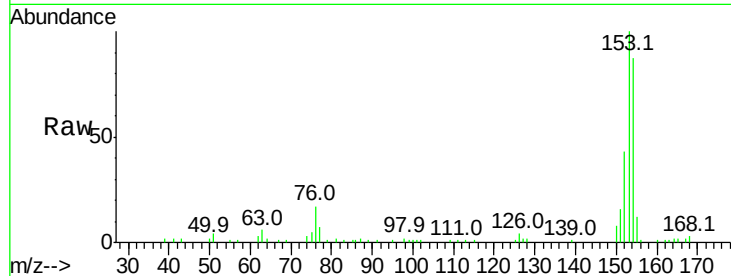
Tot Ion:154 Resp: 26657

Ion Ratio Lower Upper

154 100

153 115.2 91.2 136.8

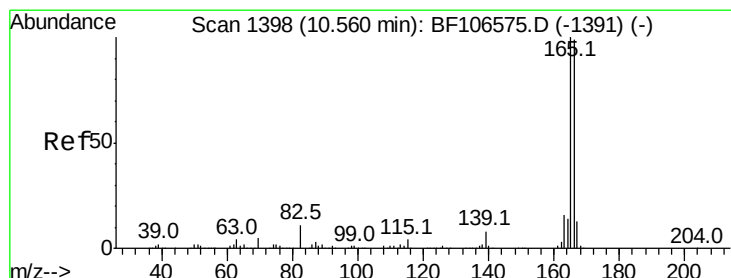
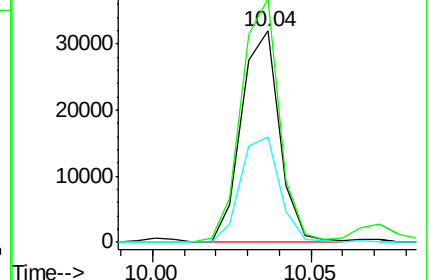
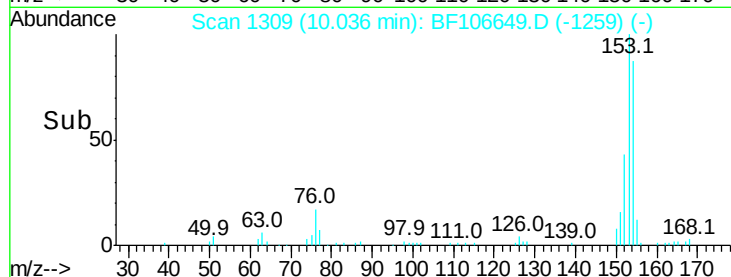
152 49.6 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 2.750 ng

RT: 10.55 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BF106649.D

Acq: 21 Jun 2018 8:51

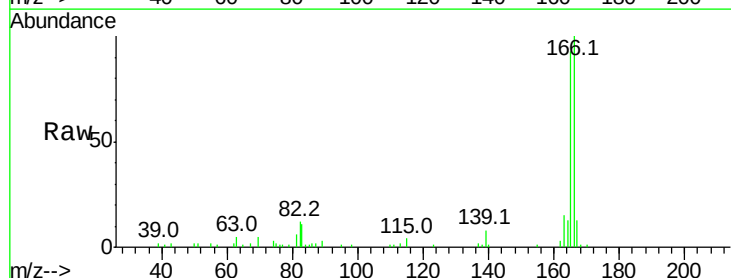
Tgt Ion:166 Resp: 30360

Ion Ratio Lower Upper

166 100

165 93.1 79.8 119.8

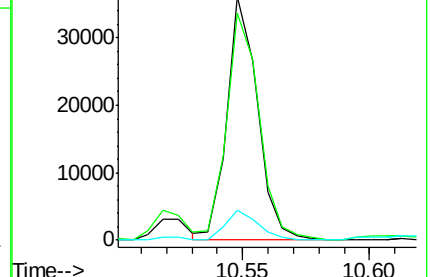
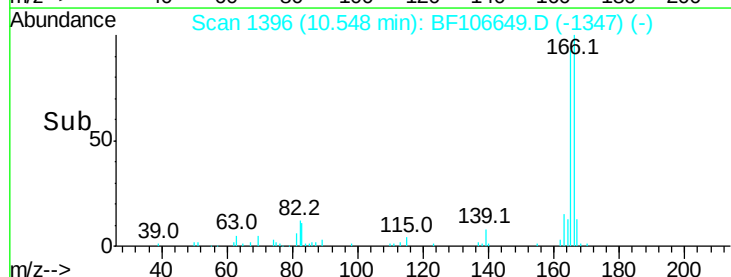
167 12.5 10.6 16.0

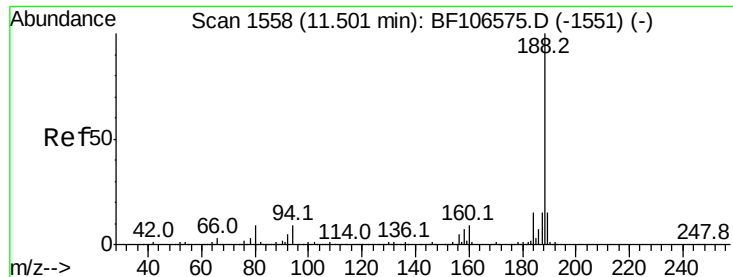


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.49 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF106649.D

Acq: 21 Jun 2018 8:51

Instrument :

BNA_F

ClientSampleId :

TPTW-02DL

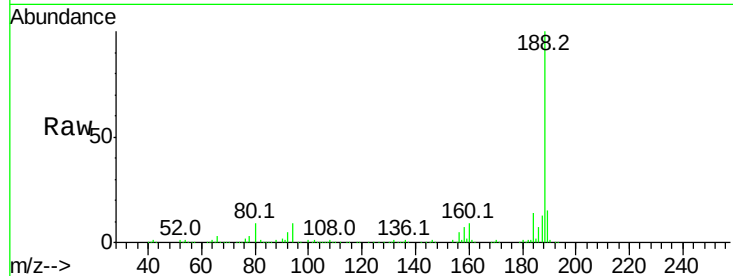
Tot Ion:188 Resp: 289761

Ion Ratio Lower Upper

188 100

94 9.1 8.5 12.7

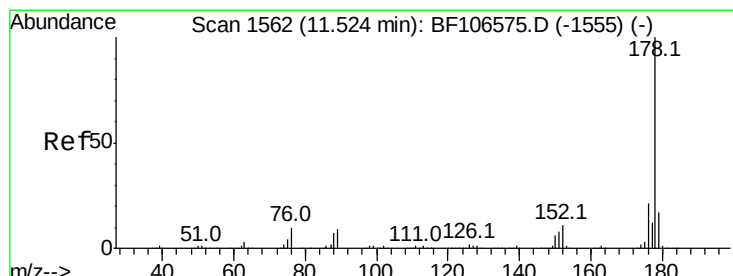
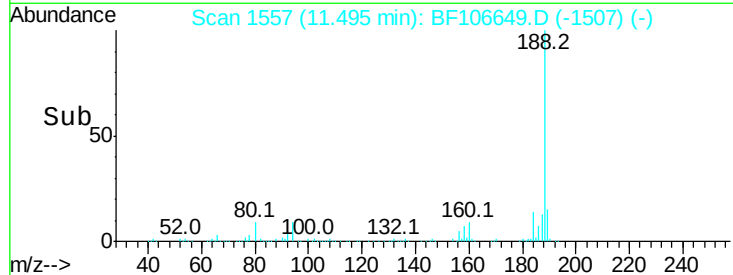
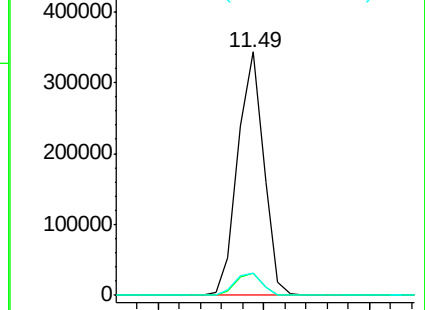
80 9.2 9.2 13.8#



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



#70

Phenanthrene

Concen: 3.398 ng

RT: 11.52 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF106649.D

Acq: 21 Jun 2018 8:51

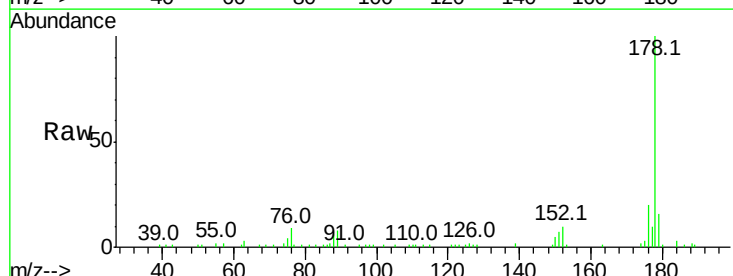
Tgt Ion:178 Resp: 47496

Ion Ratio Lower Upper

178 100

176 20.3 15.8 23.8

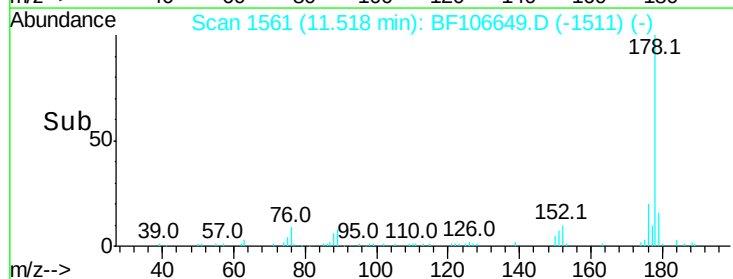
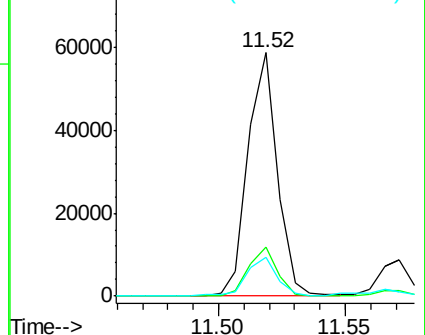
179 16.0 13.0 19.6

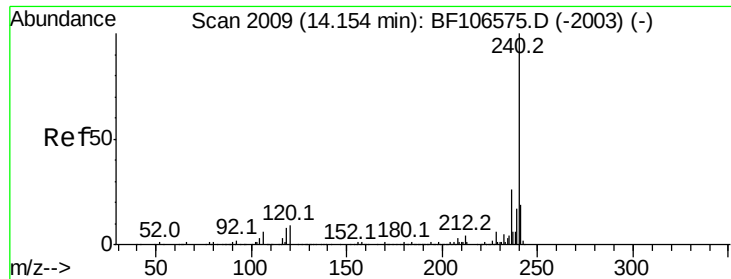


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF106649.D

Acq: 21 Jun 2018 8:51

Instrument :

BNA_F

ClientSampleID :

TPTW-02DL

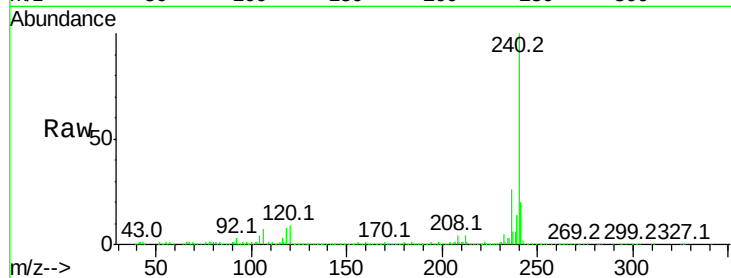
Tot Ion:240 Resp: 268205

Ion Ratio Lower Upper

240 100

120 9.2 9.5 14.3#

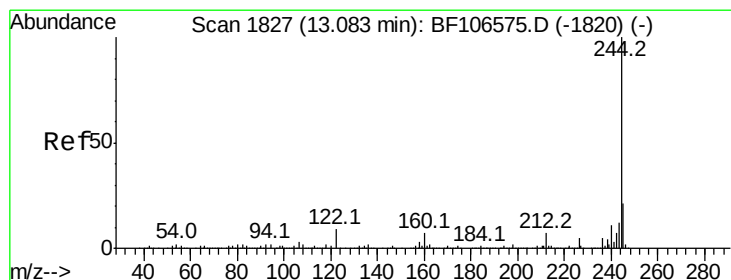
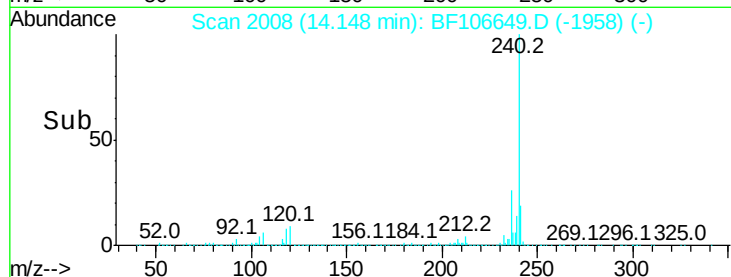
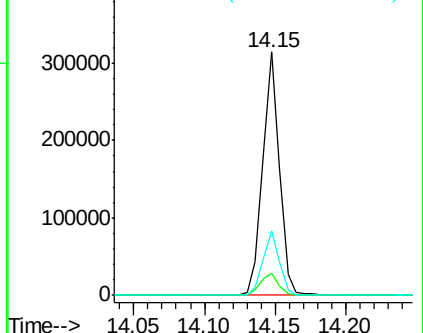
236 26.3 20.7 31.1



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: 9.535 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF106649.D

Acq: 21 Jun 2018 8:51

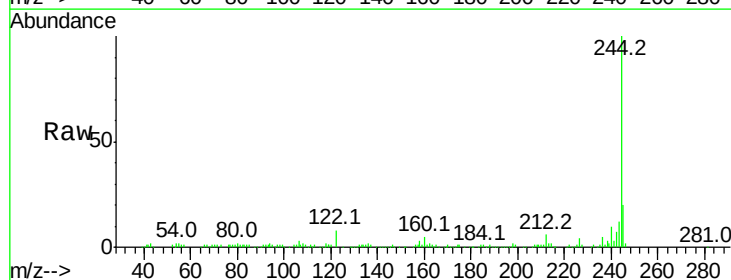
Tgt Ion:244 Resp: 105572

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

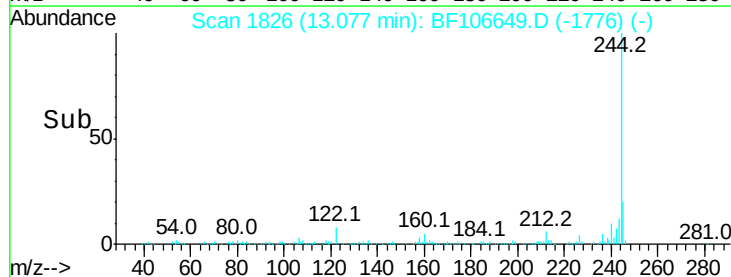
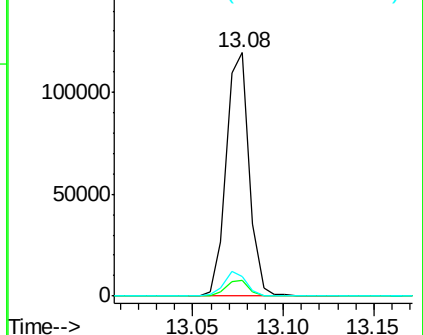
122 8.3 11.0 16.4#

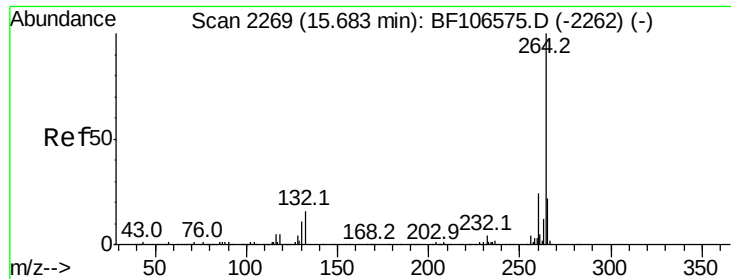


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF106649.D
Acq: 21 Jun 2018 8:51

Instrument :
BNA_F
ClientSampleId :
TPTW-02DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.0	17.5	26.3

