

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062018\
 Data File : BF106628.D
 Acq On : 20 Jun 2018 19:12
 Operator : JU/SJ
 Sample : J3529-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TPTW-02

Quant Time: Jun 21 14:59:44 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	91216	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	343819	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	195444	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	398312	20.00	ng	0.00
75) Chrysene-d12	14.15	240	277697	20.00	ng	0.00
86) Perylene-d12	15.68	264	286130	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	366530	68.04	ng	0.00
7) Phenol-d6	6.60	99	319531	47.50	ng	0.00
23) Nitrobenzene-d5	7.52	82	549126	88.76	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	320683	141.57	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	974713	84.29	ng	0.00
78) Terphenyl-d14	13.08	244	1094076	95.43	ng	0.00

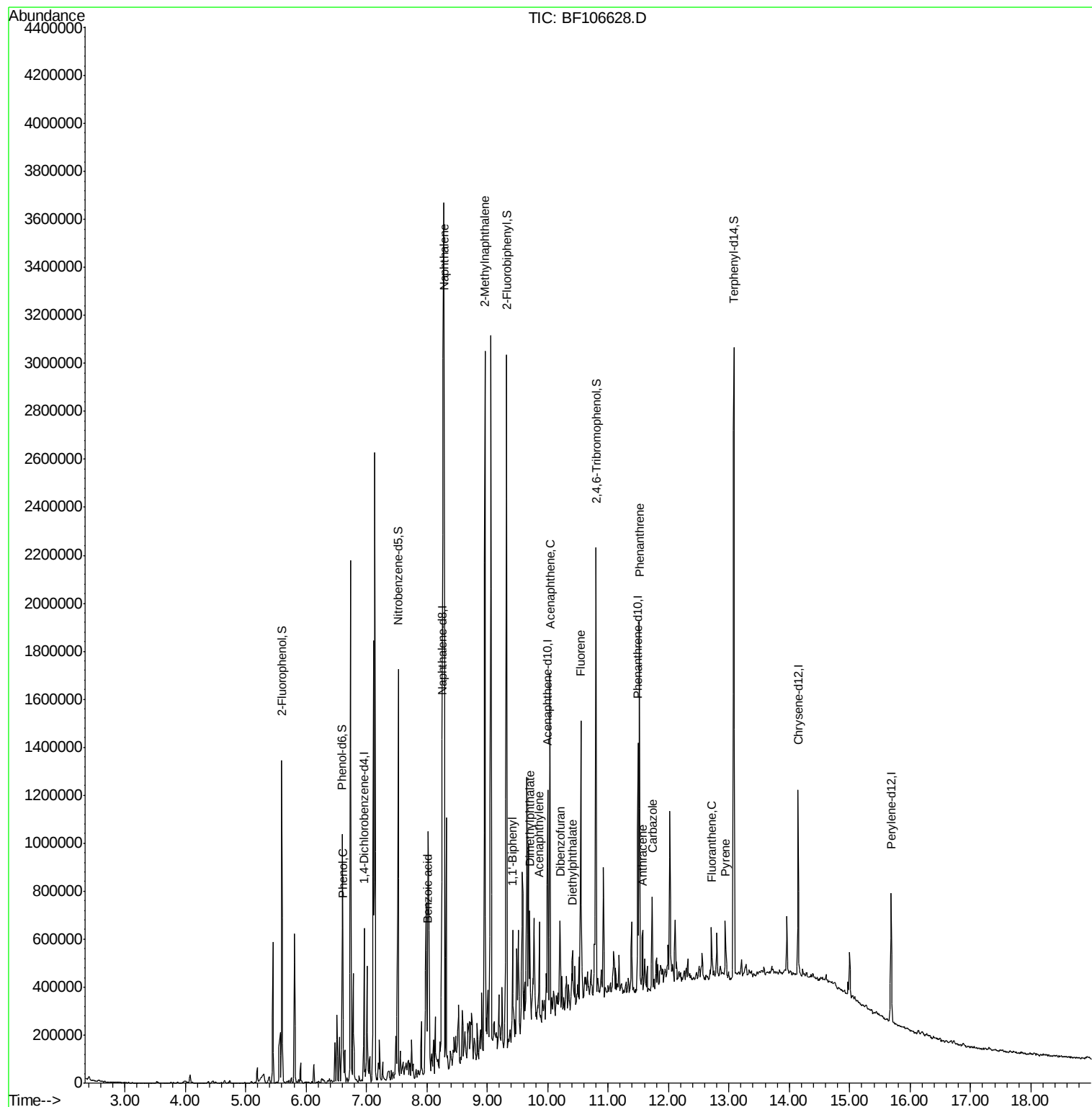
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.61	94	49740	6.479	ng	99
31) Naphthalene	8.28	128	3044662	189.409	ng	94
32) Benzoic acid	8.01	122	33665	14.574	ng	92
37) 2-Methylnaphthalene	8.96	142	1018306	95.574	ng	95
45) 1,1'-Biphenyl	9.42	154	126445	8.118	ng	96
48) Acenaphthylene	9.86	152	39180	2.024	ng	# 68
49) Dimethylphthalate	9.71	163	178658	12.188	ng	97
51) Acenaphthene	10.04	154	301023	24.696	ng	98
54) Dibenzofuran	10.21	168	148343	8.888	ng	94
57) Fluorene	10.55	166	360568	27.224	ng	99
59) Diethylphthalate	10.41	149	34053	2.407	ng	# 86
70) Phenanthrene	11.52	178	602274	31.350	ng	99
71) Anthracene	11.57	178	100672	5.134	ng	99
72) Carbazole	11.73	167	170130	9.267	ng	98
74) Fluoranthene	12.71	202	81264	3.838	ng	96
77) Pyrene	12.94	202	91975	5.023	ng	98

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

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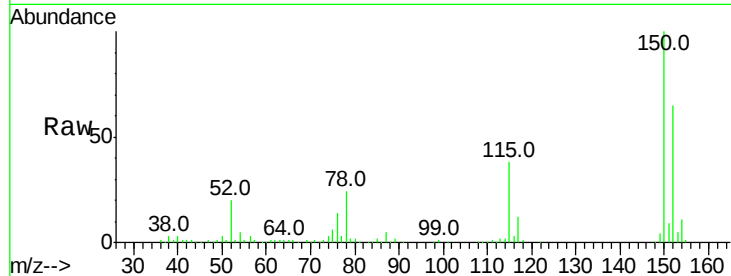


#1

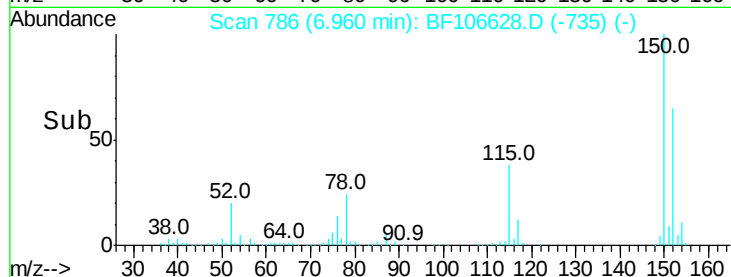
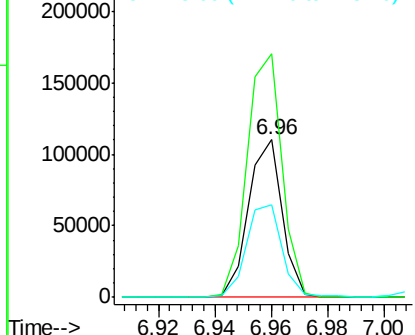
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF106628.D
Acq: 20 Jun 2018 19:12

Instrument :
BNA_F
ClientSampleId :
TPTW-02

Tot Ion:152 Resp: 91216
Ion Ratio Lower Upper
152 100
150 154.8 124.6 186.8
115 59.0 50.1 75.1



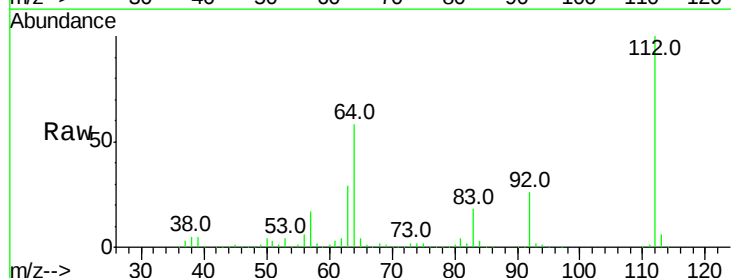
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



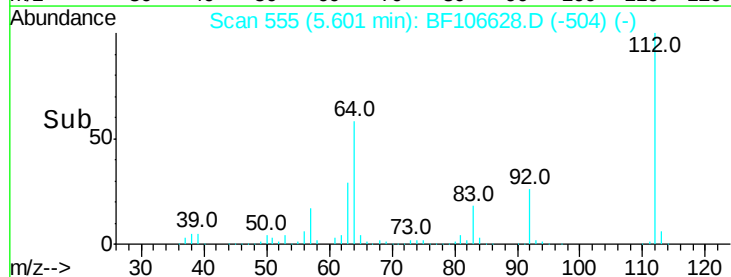
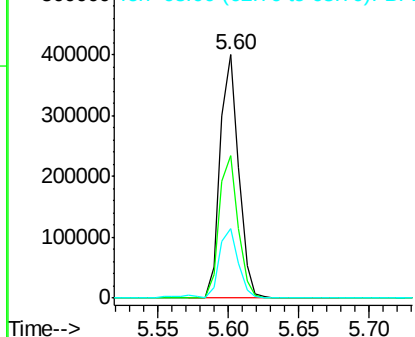
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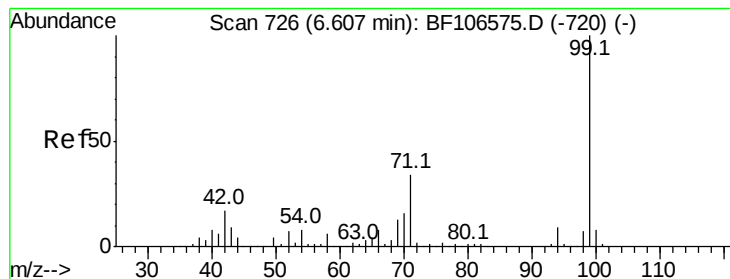
2-Fluorophenol
Concen: 68.042 ng
RT: 5.60 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF106628.D
Acq: 20 Jun 2018 19:12

Tgt Ion:112 Resp: 366530
Ion Ratio Lower Upper
112 100
64 58.3 47.9 71.9
63 28.7 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 47.499 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF106628.D

Acq: 20 Jun 2018 19:12

Instrument :

BNA_F

ClientSampled :

TPTW-02

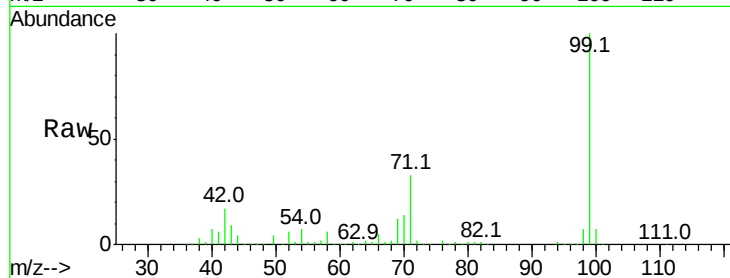
Tot Ion: 99 Resp: 319531

Ion Ratio Lower Upper

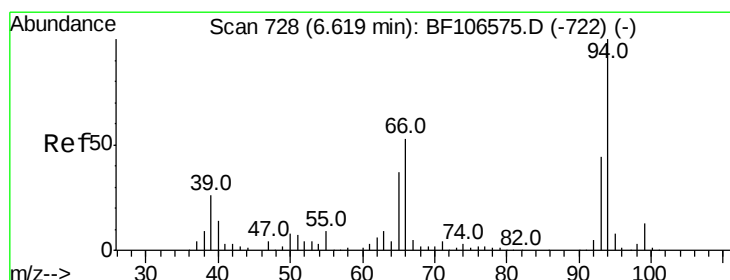
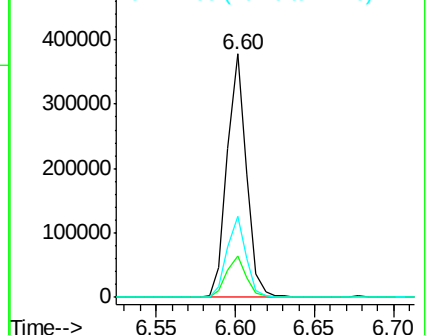
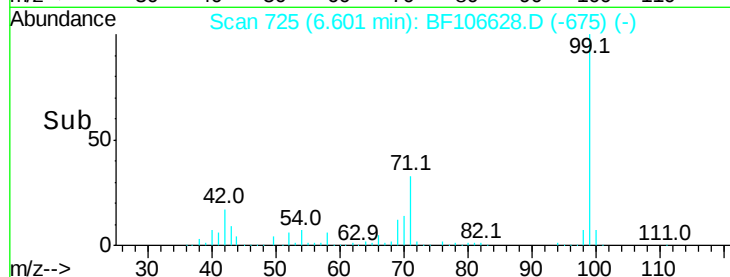
99 100

42 16.9 14.5 21.7

71 33.3 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



#10

Phenol

Concen: 6.479 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF106628.D

Acq: 20 Jun 2018 19:12

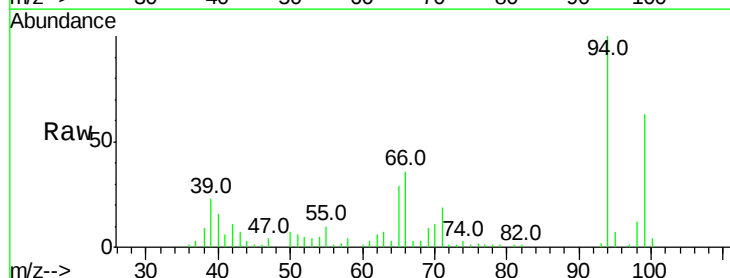
Tgt Ion: 94 Resp: 49740

Ion Ratio Lower Upper

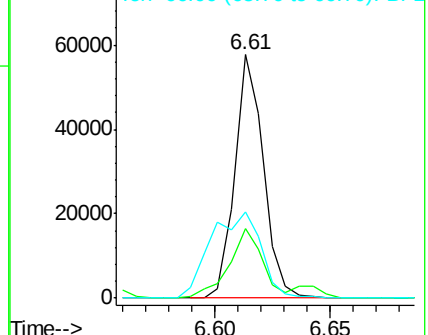
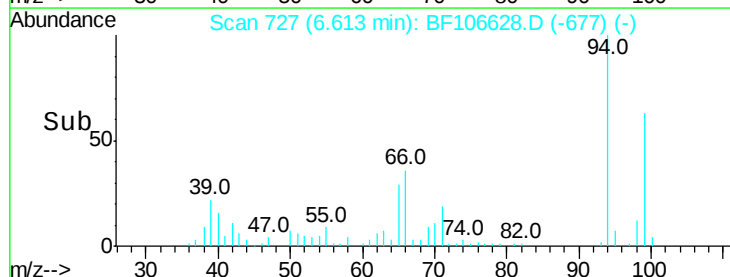
94 100

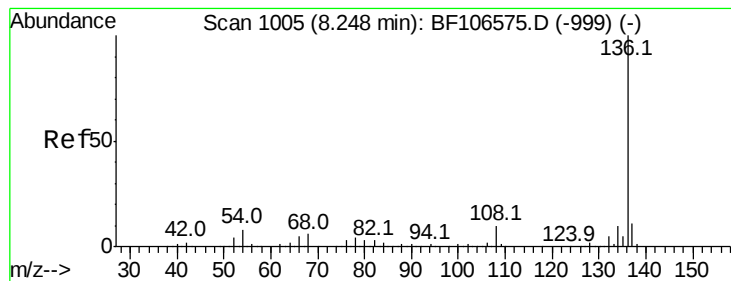
65 28.6 7.9 47.9

66 35.6 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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1005

Delta R.T. 0.00 min

Lab File: BF106628.D

Acq: 20 Jun 2018 19:12

Instrument :

BNA_F

ClientSampleId :

TPTW-02

Tot Ion:136 Resp: 343819

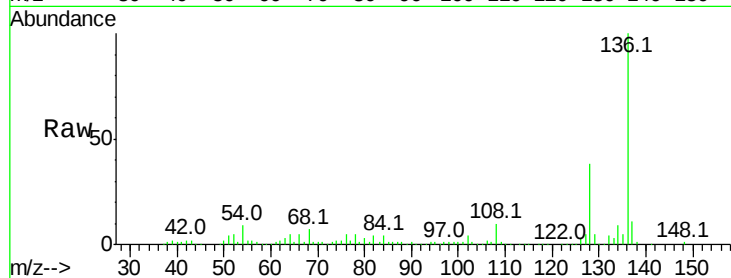
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.0 6.6 9.8

68 7.2 5.0 7.4

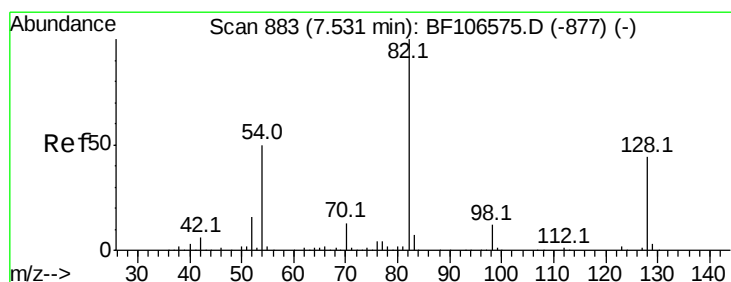
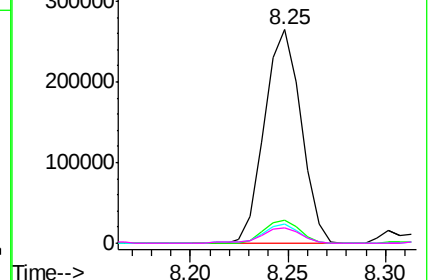
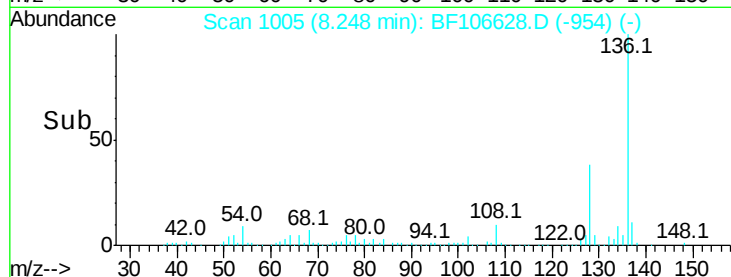


Abundance Ion 136.00 (135.70 to 136.70): E

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: 88.759 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF106628.D

Acq: 20 Jun 2018 19:12

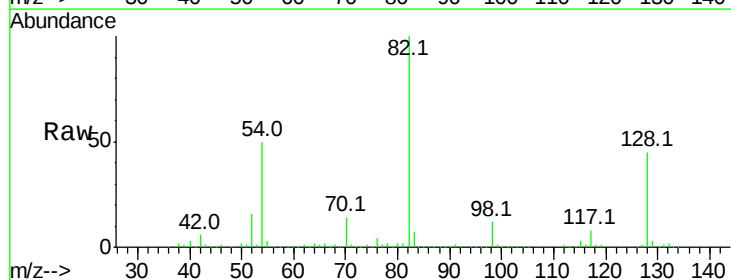
Tgt Ion: 82 Resp: 549126

Ion Ratio Lower Upper

82 100

128 44.9 36.1 54.1

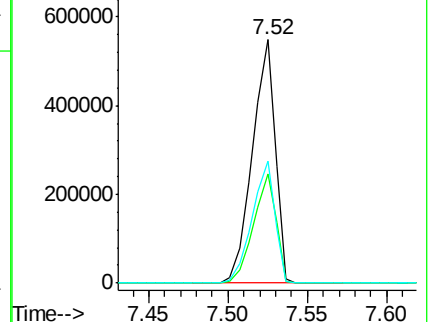
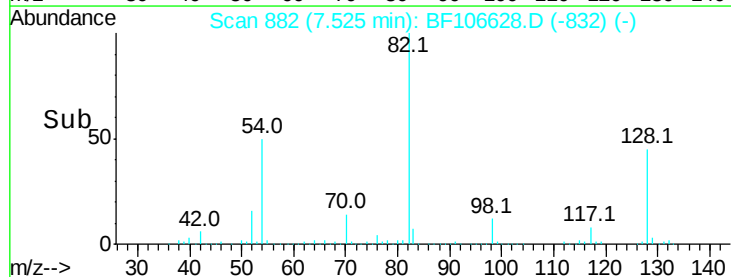
54 50.0 41.4 62.2

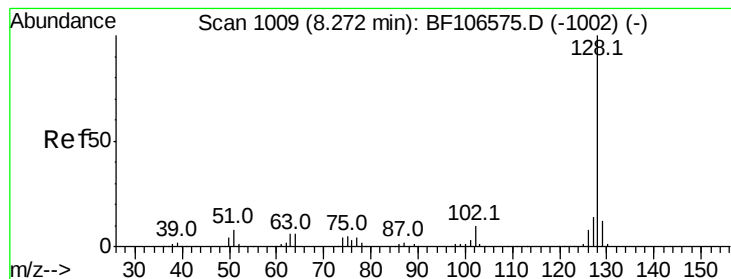


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#31

Naphthalene

Concen: 189.409 ng

RT: 8.28 min Scan# 1011

Delta R.T. 0.01 min

Lab File: BF106628.D

Acq: 20 Jun 2018 19:12

Instrument :

BNA_F

ClientSampleId :

TPTW-02

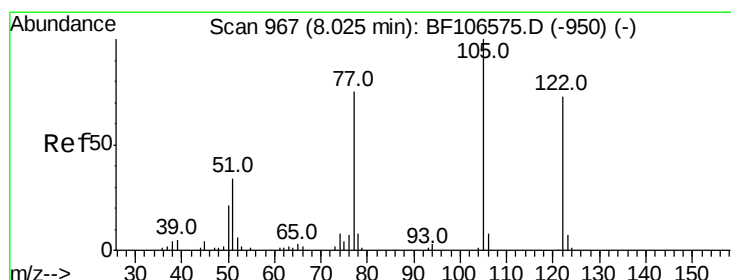
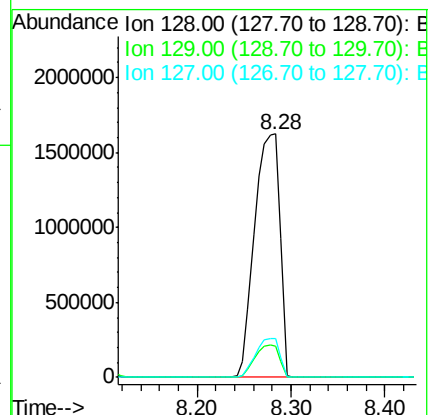
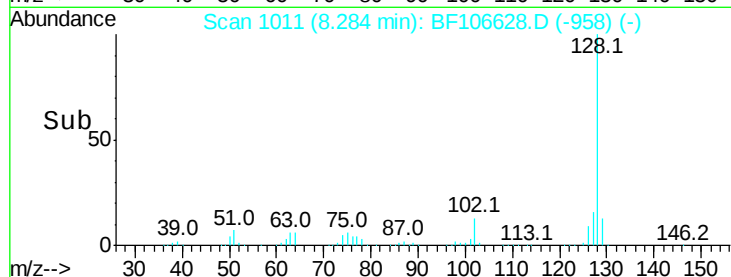
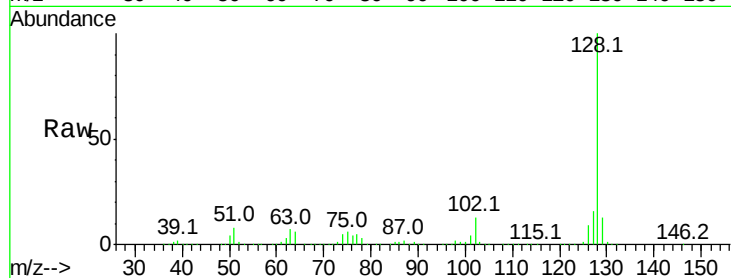
Tot Ion:128 Resp: 3044662

Ion Ratio Lower Upper

128 100

129 12.9 8.8 13.2

127 16.1 10.9 16.3



#32

Benzoic acid

Concen: 14.574 ng

RT: 8.01 min Scan# 964

Delta R.T. -0.02 min

Lab File: BF106628.D

Acq: 20 Jun 2018 19:12

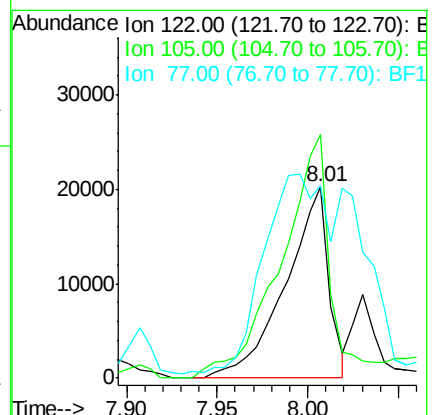
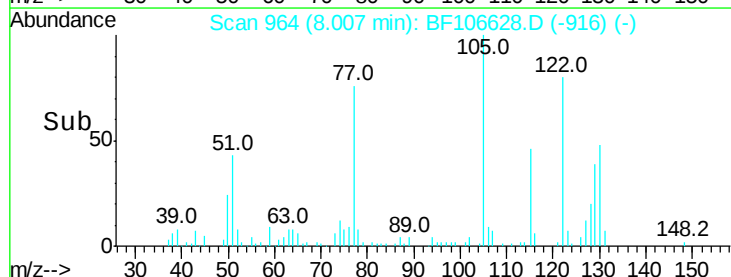
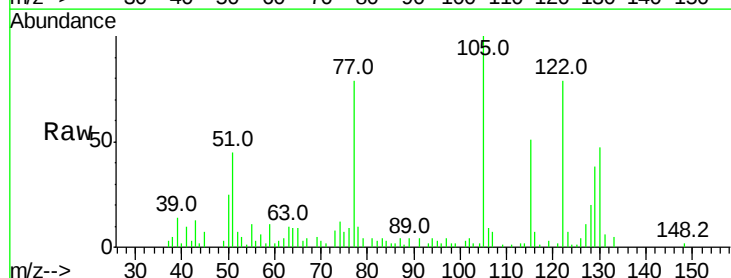
Tgt Ion:122 Resp: 33665

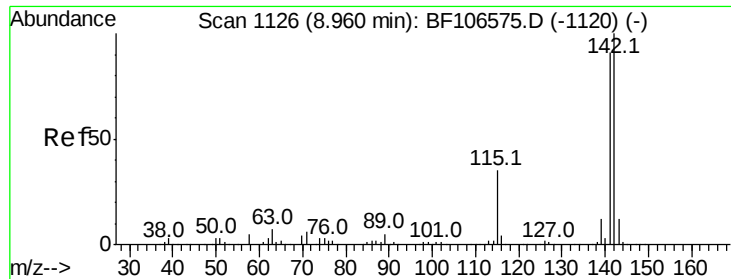
Ion Ratio Lower Upper

122 100

105 127.1 101.1 141.1

77 100.8 70.7 110.7

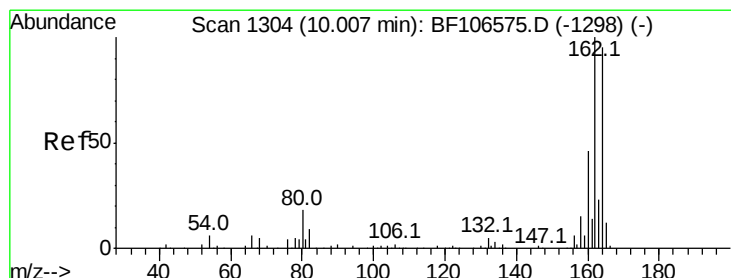
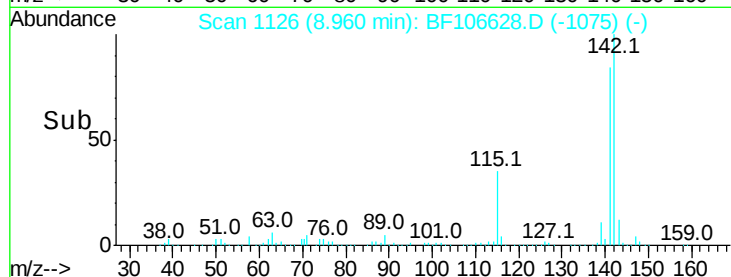
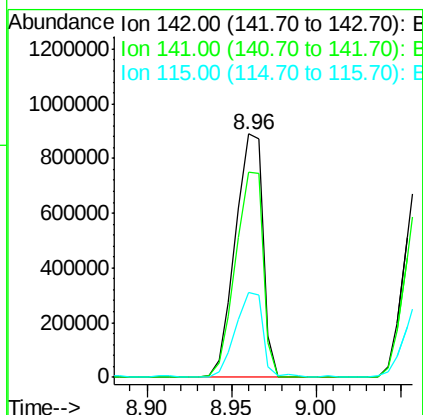
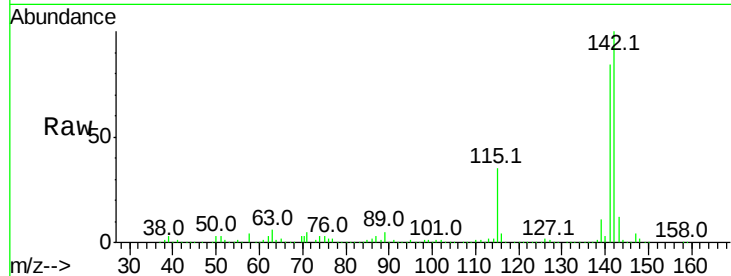




#37
 2-Methylnaphthalene
 Concen: 95.574 ng
 RT: 8.96 min Scan# 1126
 Delta R.T. 0.00 min
 Lab File: BF106628.D
 Acq: 20 Jun 2018 19:12

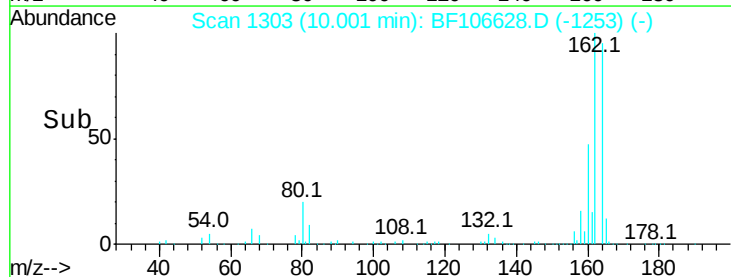
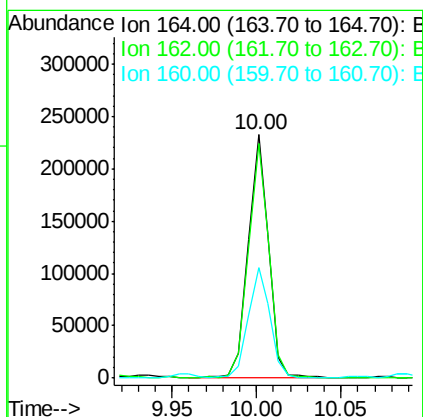
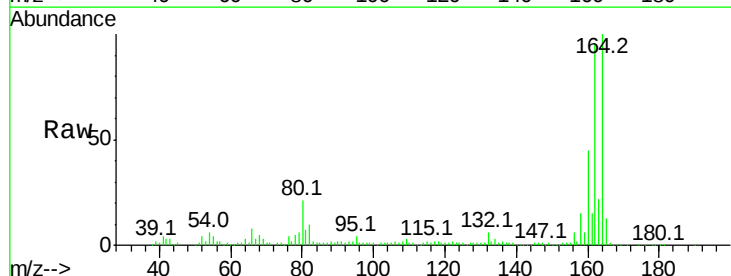
Instrument :
 BNA_F
 ClientSampleId :
 TPTW-02

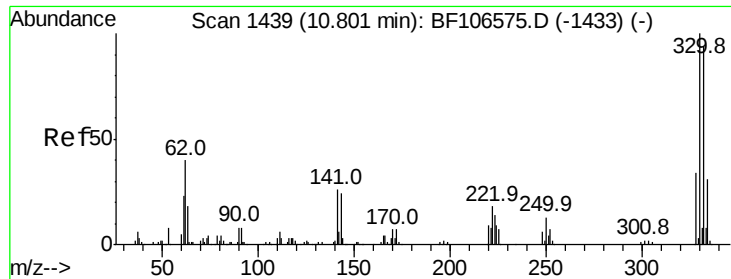
Tot Ion:142 Resp: 1018306
 Ion Ratio Lower Upper
 142 100
 141 84.2 70.8 106.2
 115 35.1 26.1 39.1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: BF106628.D
 Acq: 20 Jun 2018 19:12

Tgt Ion:164 Resp: 195444
 Ion Ratio Lower Upper
 164 100
 162 96.2 86.1 129.1
 160 45.4 38.3 57.5

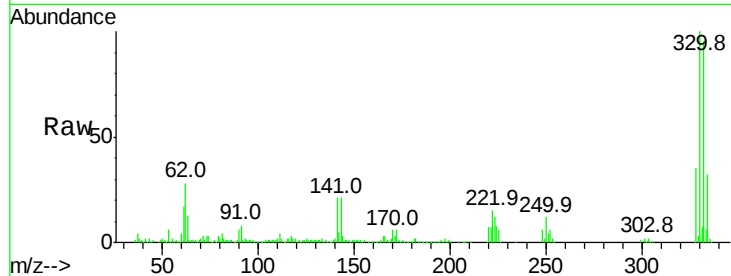




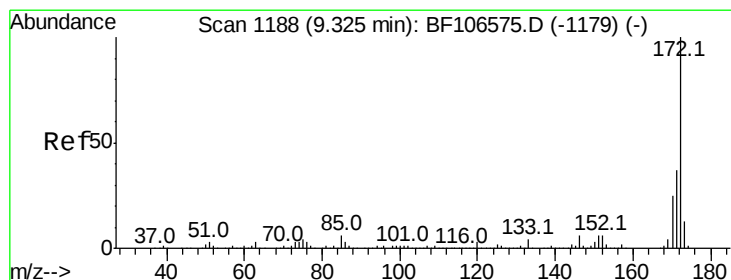
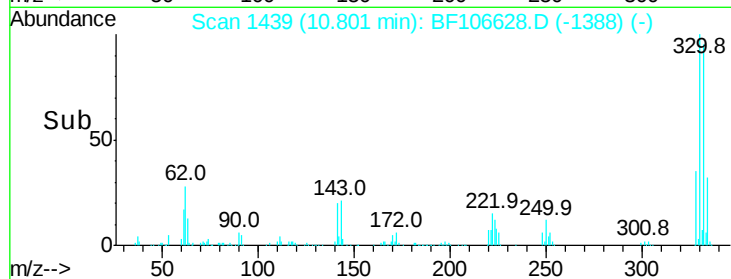
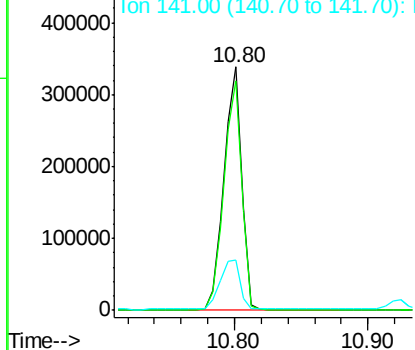
#41
 2,4,6-Tribromophenol
 Concen: 141.566 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: BF106628.D
 Acq: 20 Jun 2018 19:12

Instrument :
 BNA_F
 ClientSampleId :
 TPTW-02

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.0	115.6
141	23.0	29.9	44.9#

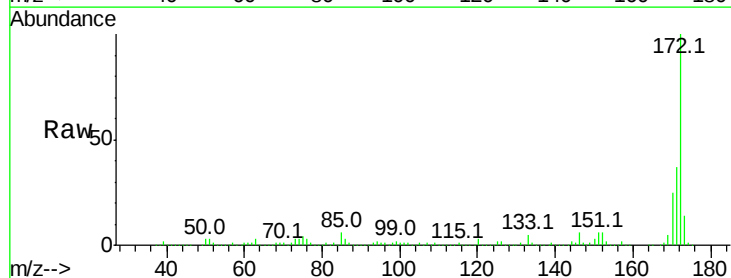


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

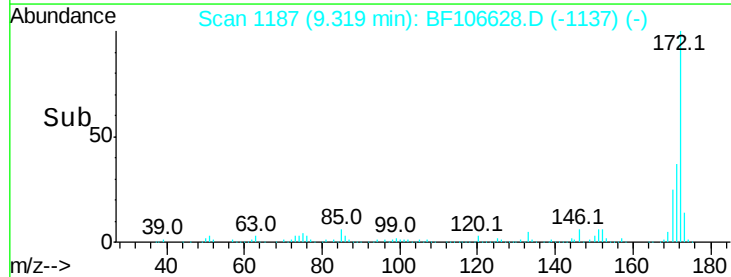
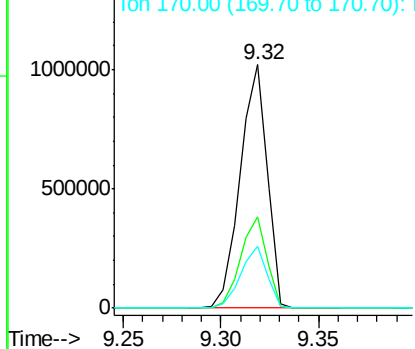


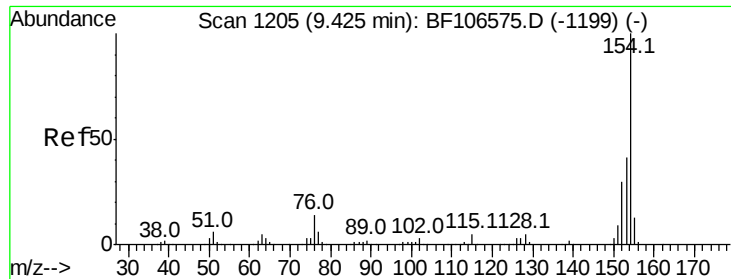
#44
 2-Fluorobiphenyl
 Concen: 84.291 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF106628.D
 Acq: 20 Jun 2018 19:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.5	29.7	44.5
170	25.3	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

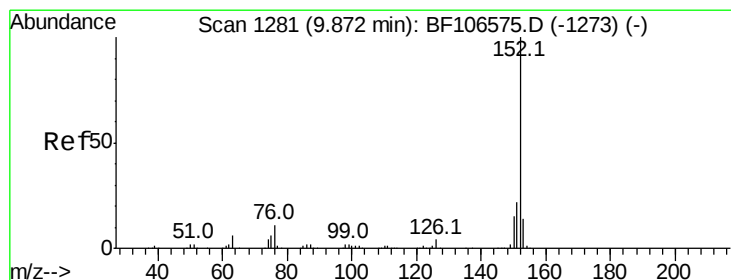
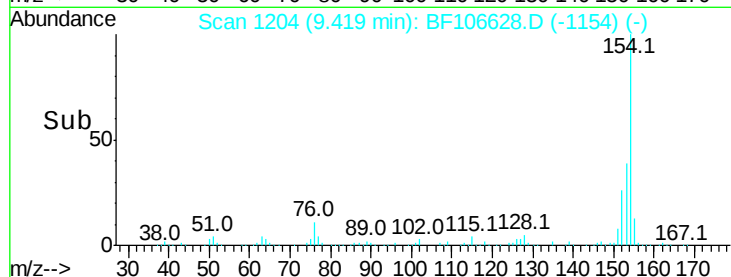
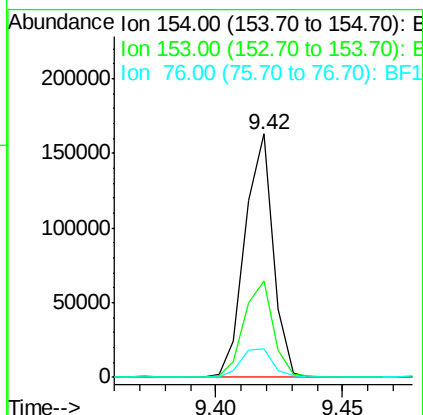
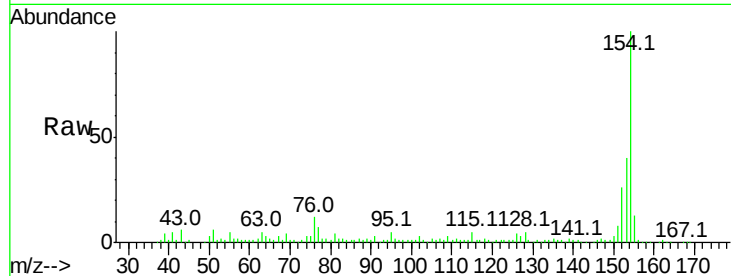




#45
1,1'-Biphenyl
Concen: 8.118 ng
RT: 9.42 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF106628.D
Acq: 20 Jun 2018 19:12

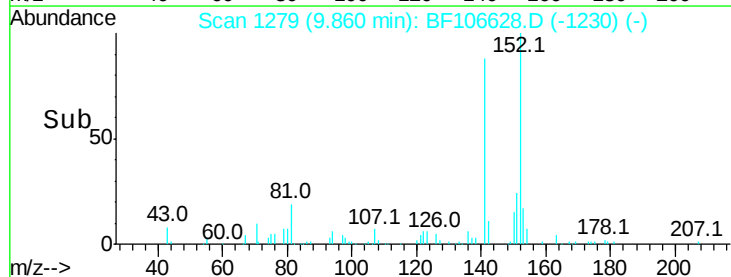
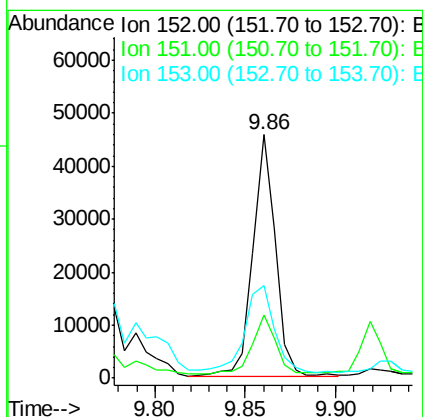
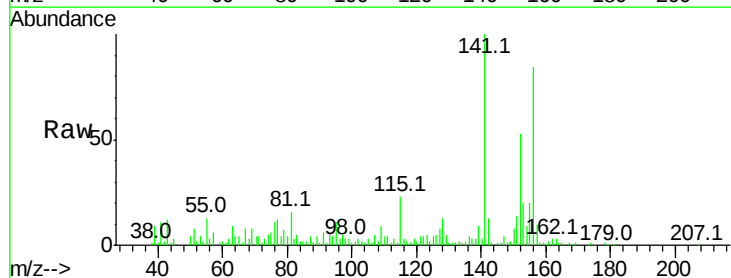
Instrument :
BNA_F
ClientSampleId :
TPTW-02

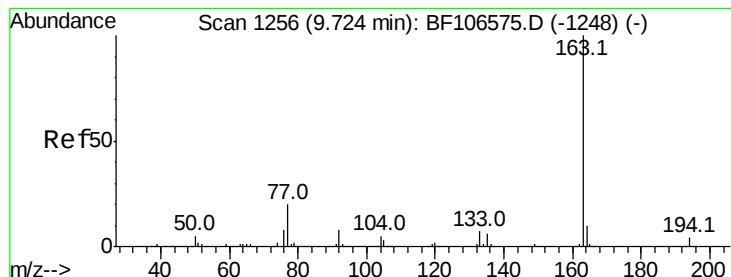
Tot Ion	Ratio	Lower	Upper
154	100		
153	39.6	21.3	61.3
76	11.5	0.0	34.0



#48
Acenaphthylene
Concen: 2.024 ng
RT: 9.86 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF106628.D
Acq: 20 Jun 2018 19:12

Tgt Ion	Ratio	Lower	Upper
152	100		
151	26.0	16.3	24.5#
153	38.1	10.7	16.1#





#49

Dimethylphthalate

Concen: 12.188 ng

RT: 9.71 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF106628.D

Acq: 20 Jun 2018 19:12

Instrument :

BNA_F

ClientSampleId :

TPTW-02

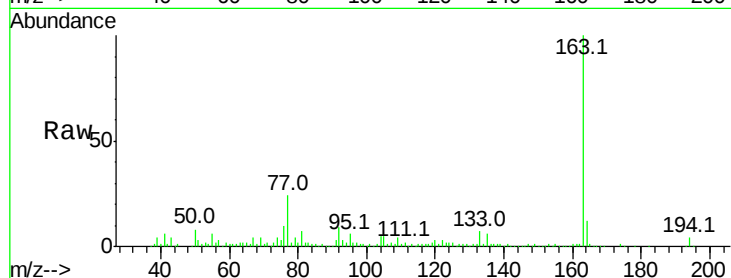
Tot Ion:163 Resp: 178658

Ion Ratio Lower Upper

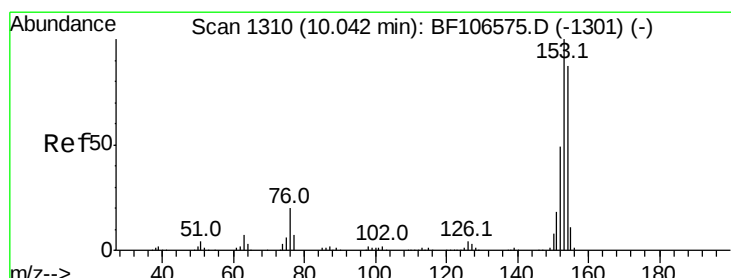
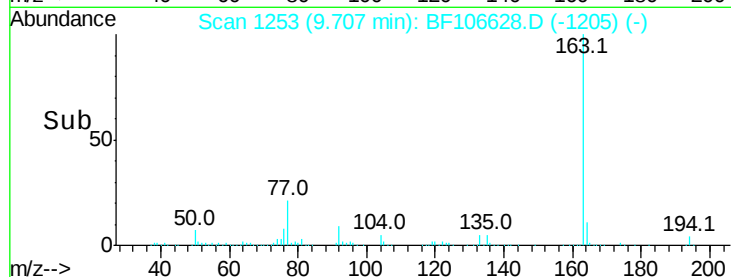
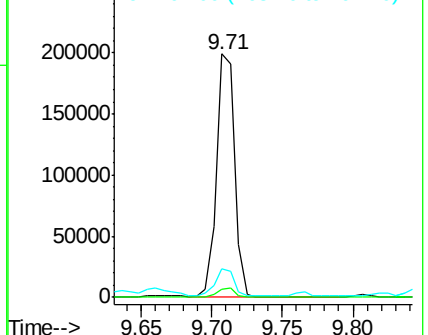
163 100

194 3.5 2.7 4.1

164 11.8 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



#51

Acenaphthene

Concen: 24.696 ng

RT: 10.04 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF106628.D

Acq: 20 Jun 2018 19:12

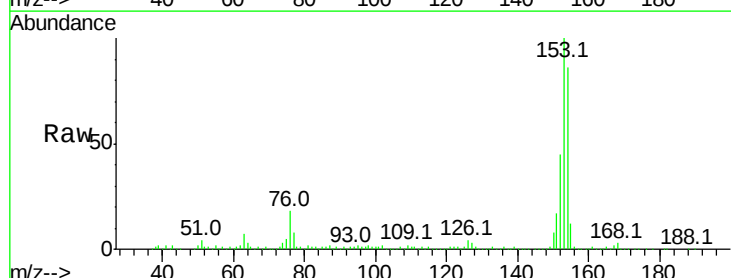
Tgt Ion:154 Resp: 301023

Ion Ratio Lower Upper

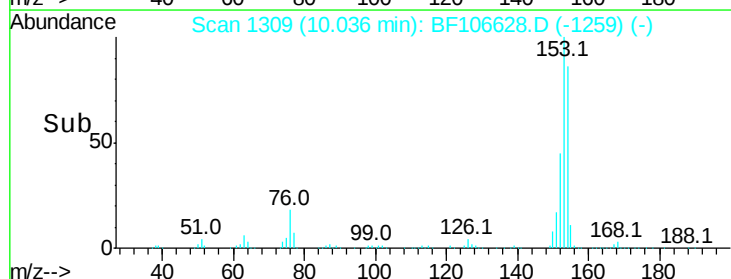
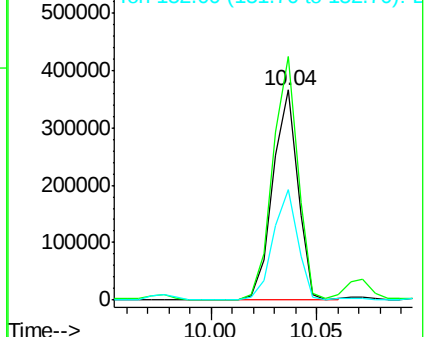
154 100

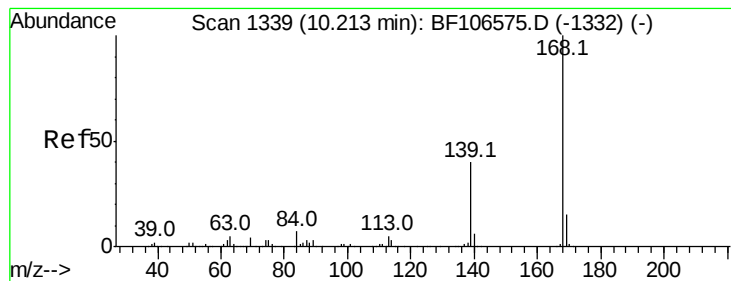
153 116.0 91.2 136.8

152 52.6 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





#54

Dibenzofuran

Concen: 8.888 ng

RT: 10.21 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF106628.D

Acq: 20 Jun 2018 19:12

Instrument :

BNA_F

ClientSampleId :

TPTW-02

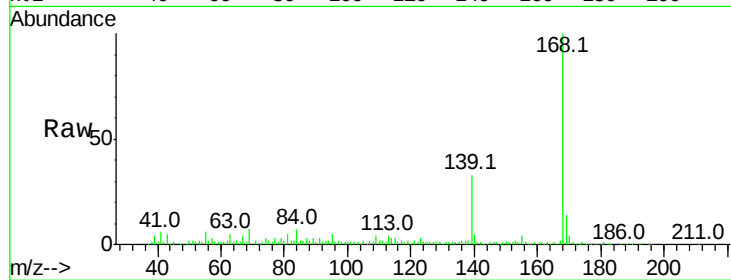
Tot Ion:168 Resp: 148343

Ion Ratio Lower Upper

168 100

139 33.0 30.1 45.1

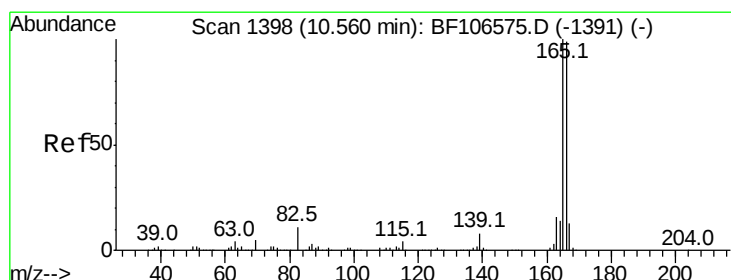
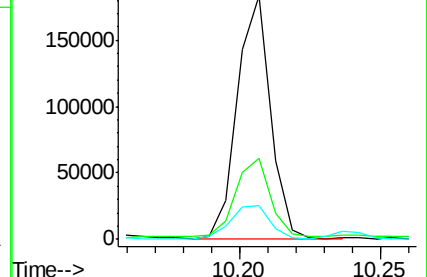
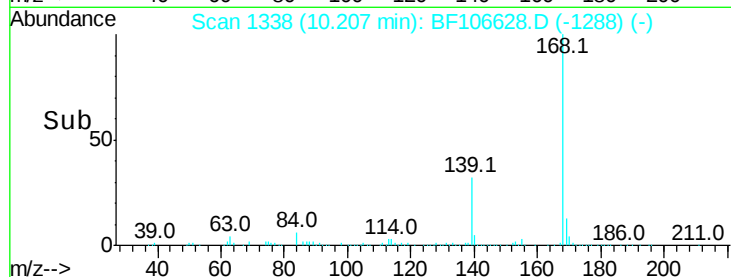
169 13.7 10.9 16.3



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



#57

Fluorene

Concen: 27.224 ng

RT: 10.55 min Scan# 1397

Delta R.T. -0.01 min

Lab File: BF106628.D

Acq: 20 Jun 2018 19:12

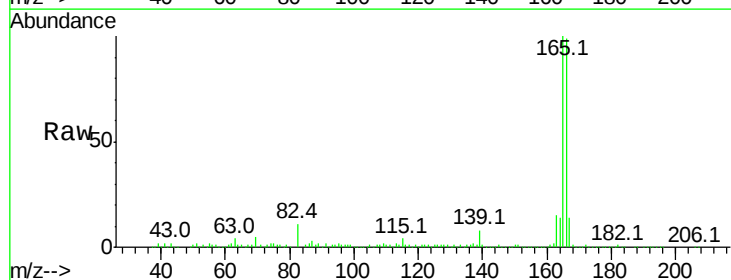
Tgt Ion:166 Resp: 360568

Ion Ratio Lower Upper

166 100

165 100.7 79.8 119.8

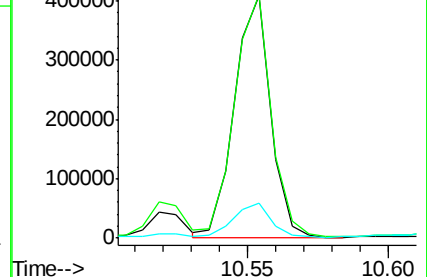
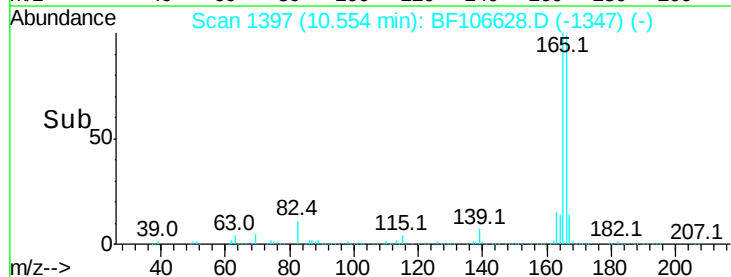
167 14.2 10.6 16.0

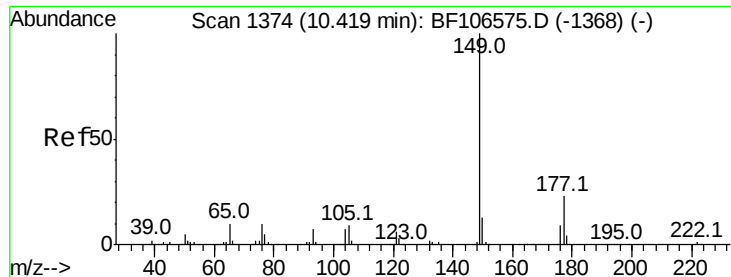


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

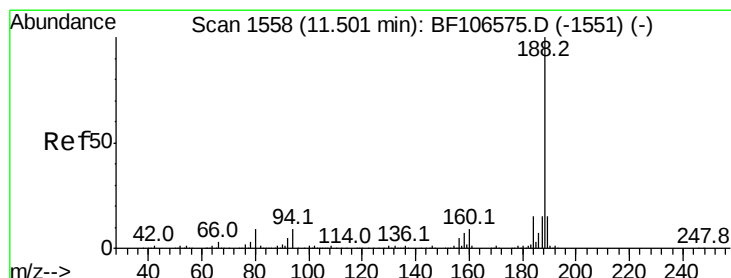
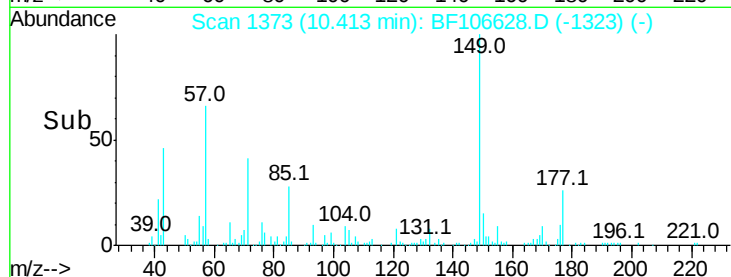
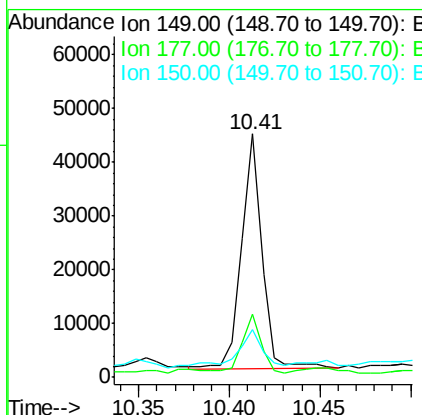
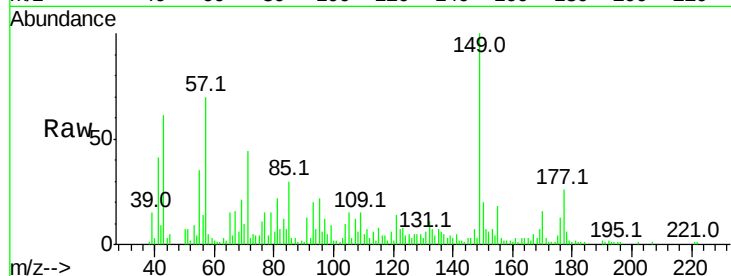




#59
Diethylphthalate
Concen: 2.407 ng
RT: 10.41 min Scan# 1373
Delta R.T. -0.01 min
Lab File: BF106628.D
Acq: 20 Jun 2018 19:12

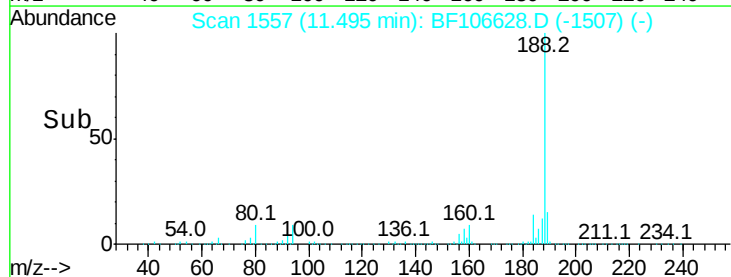
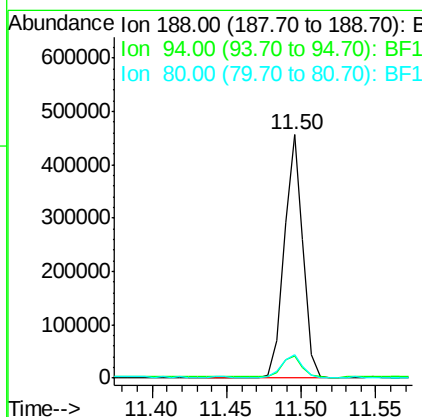
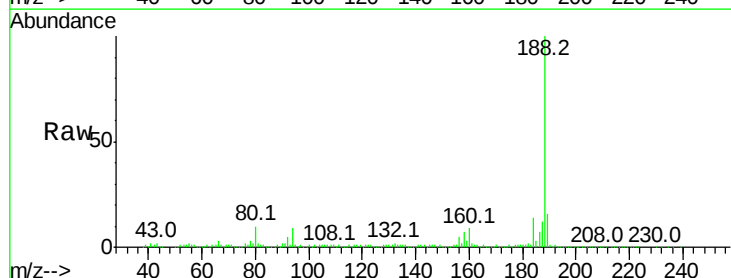
Instrument :
BNA_F
ClientSampleId :
TPTW-02

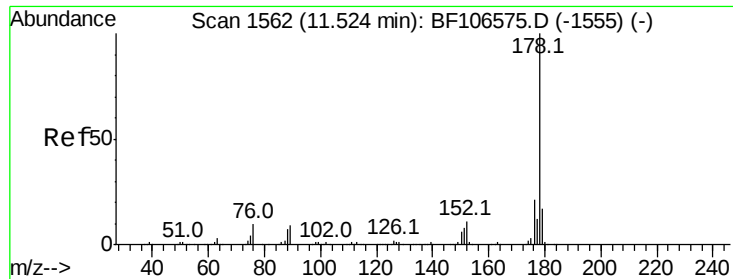
Tot Ion:149 Resp: 34053
Ion Ratio Lower Upper
149 100
177 25.8 16.1 24.1#
150 19.5 10.1 15.1#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF106628.D
Acq: 20 Jun 2018 19:12

Tgt Ion:188 Resp: 398312
Ion Ratio Lower Upper
188 100
94 9.2 8.5 12.7
80 9.8 9.2 13.8

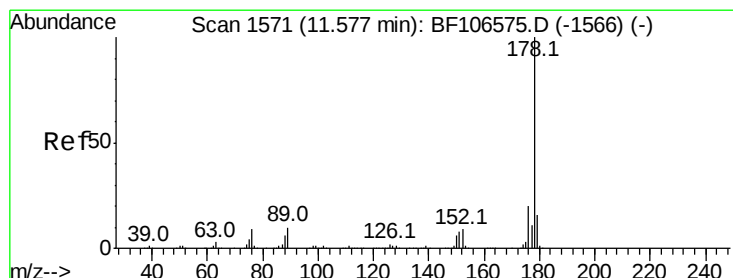
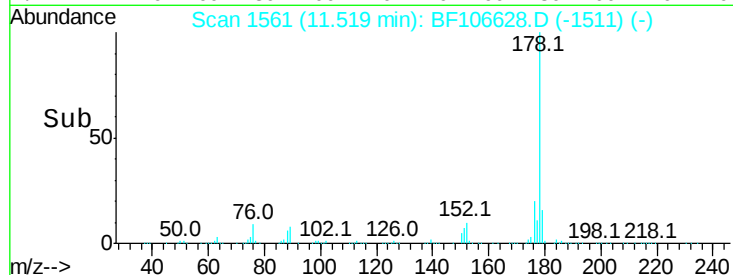
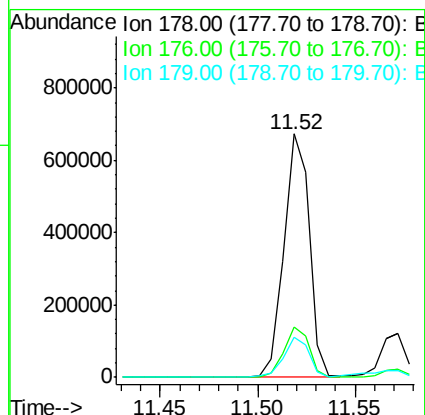
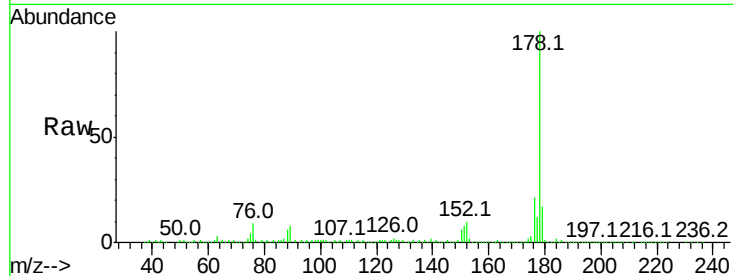




#70
Phenanthrene
Concen: 31.350 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF106628.D
Acq: 20 Jun 2018 19:12

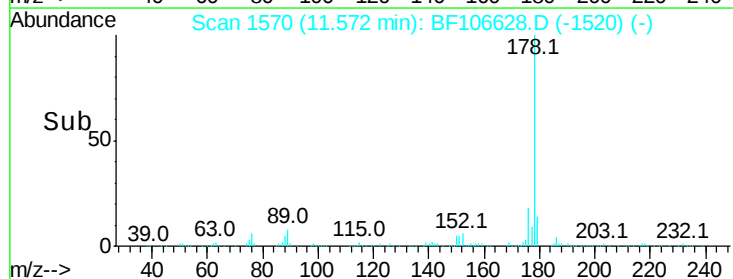
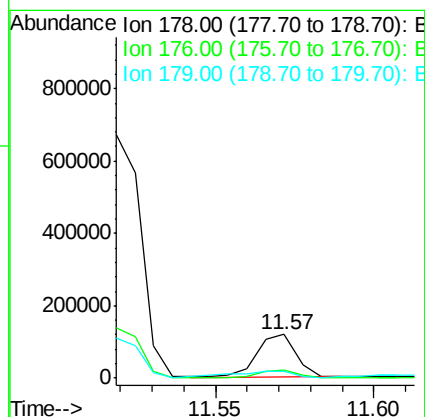
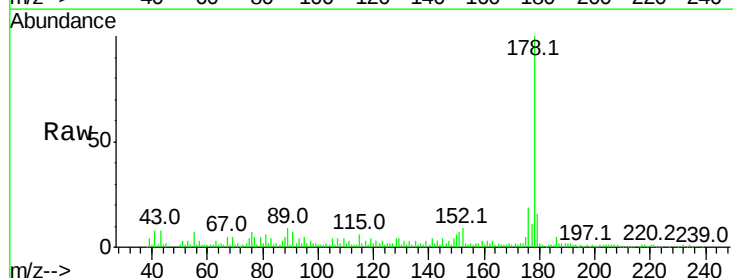
Instrument :
BNA_F
ClientSampleId :
TPTW-02

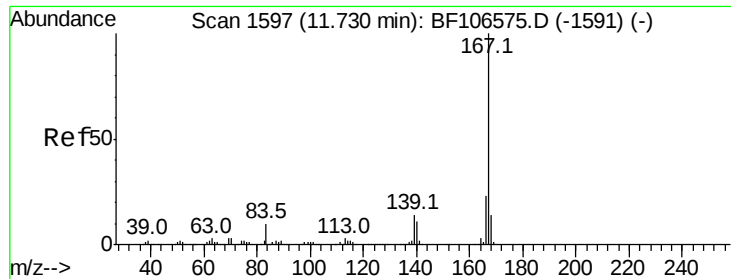
Tot Ion:178 Resp: 602274
Ion Ratio Lower Upper
178 100
176 20.5 15.8 23.8
179 16.5 13.0 19.6



#71
Anthracene
Concen: 5.134 ng
RT: 11.57 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF106628.D
Acq: 20 Jun 2018 19:12

Tgt Ion:178 Resp: 100672
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 16.0 12.6 19.0

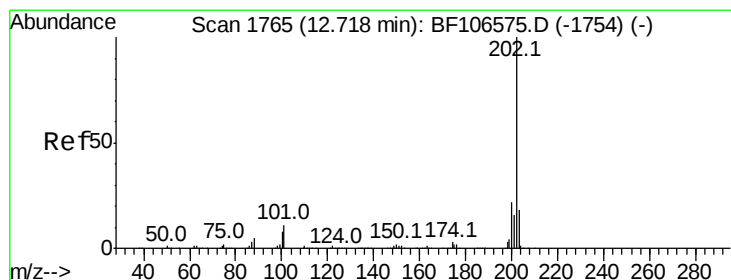
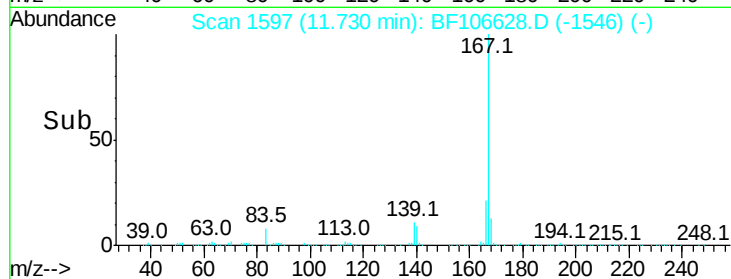
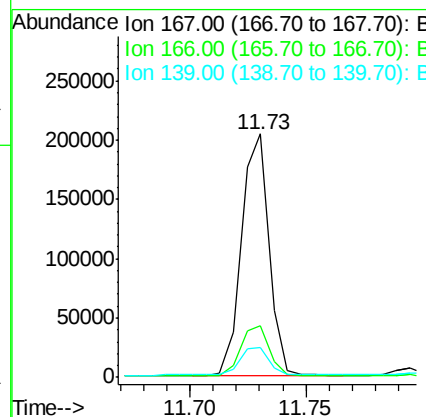
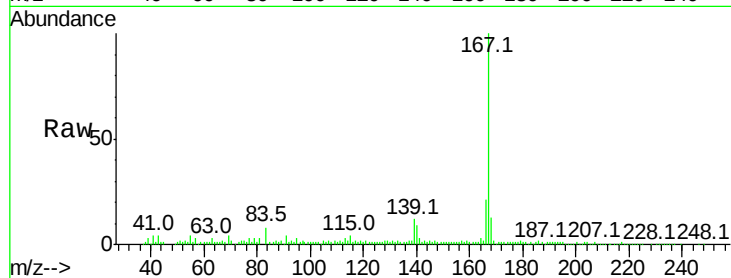




#72
 Carbazole
 Concen: 9.267 ng
 RT: 11.73 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: BF106628.D
 Acq: 20 Jun 2018 19:12

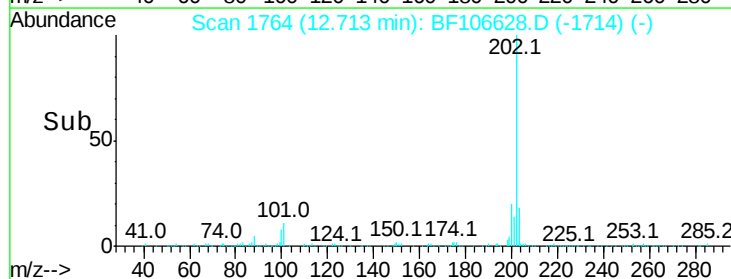
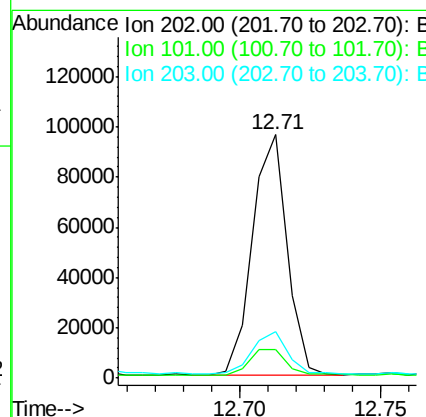
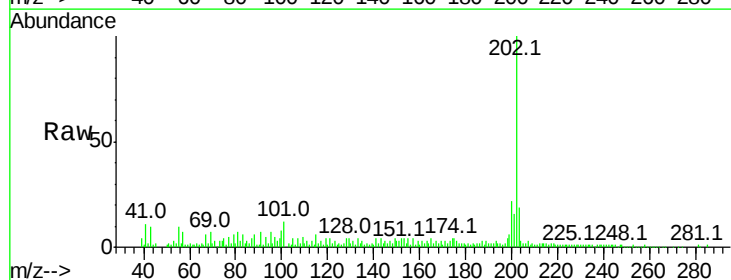
Instrument :
 BNA_F
 ClientSampleId :
 TPTW-02

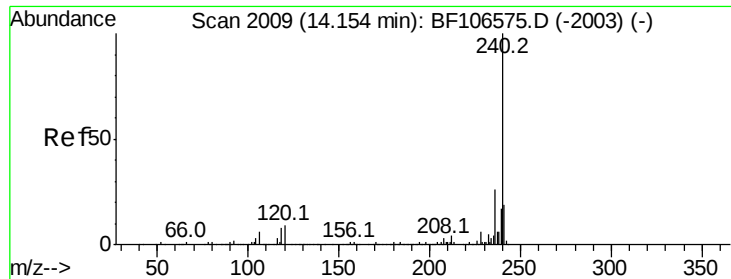
Tot Ion:167 Resp: 170130
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.6 26.4
 139 12.1 10.9 16.3



#74
 Fluoranthene
 Concen: 3.838 ng
 RT: 12.71 min Scan# 1764
 Delta R.T. -0.01 min
 Lab File: BF106628.D
 Acq: 20 Jun 2018 19:12

Tgt Ion:202 Resp: 81264
 Ion Ratio Lower Upper
 202 100
 101 11.6 0.0 34.1
 203 19.2 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF106628.D

Acq: 20 Jun 2018 19:12

Instrument :

BNA_F

ClientSampleId :

TPTW-02

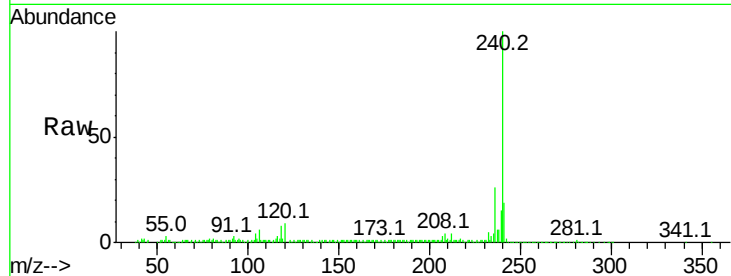
Tot Ion:240 Resp: 277697

Ion Ratio Lower Upper

240 100

120 9.1 9.5 14.3#

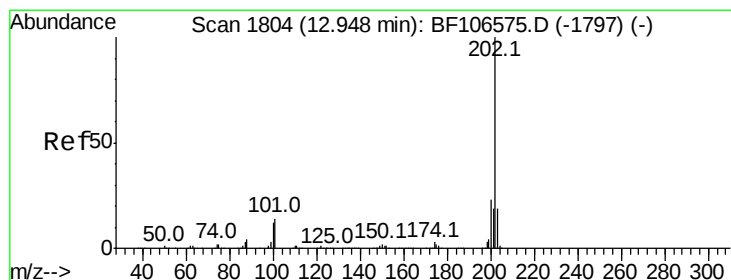
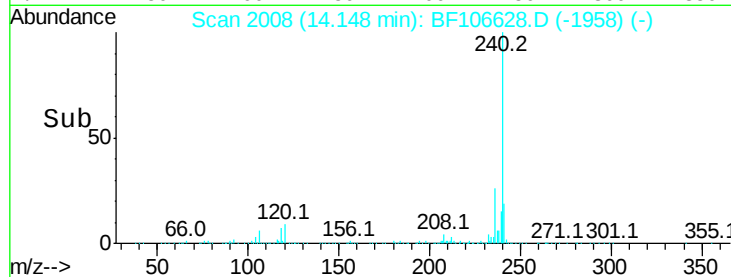
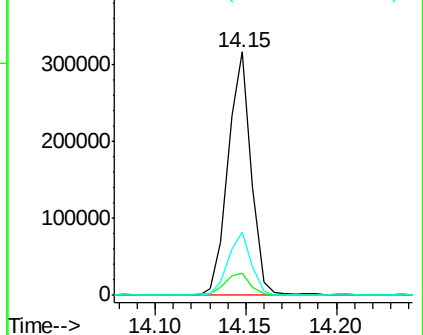
236 26.1 20.7 31.1



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



#77

Pyrene

Concen: 5.023 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF106628.D

Acq: 20 Jun 2018 19:12

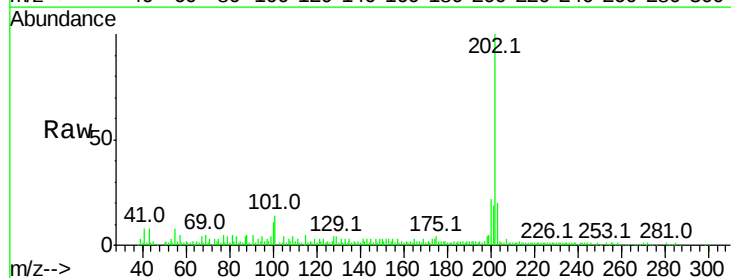
Tgt Ion:202 Resp: 91975

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

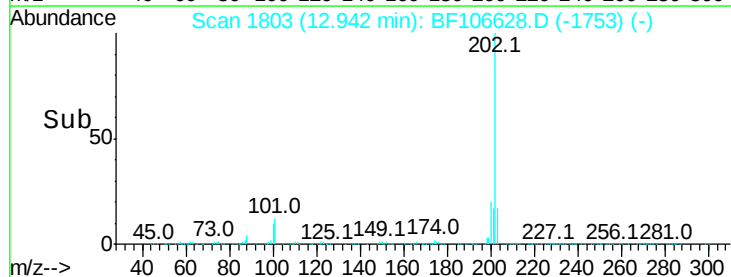
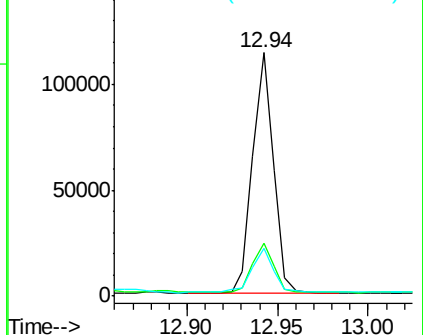
203 19.8 14.3 21.5

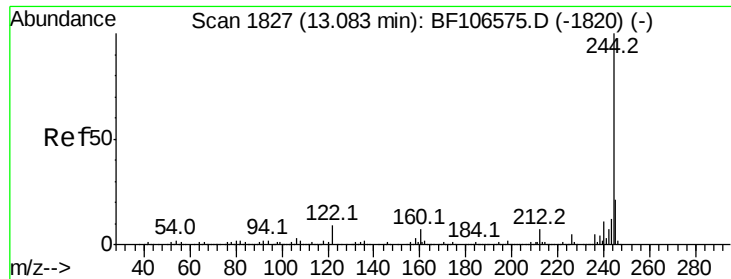


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 95.434 ng

RT: 13.08 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF106628.D

Acq: 20 Jun 2018 19:12

Instrument :

BNA_F

ClientSampled :

TPTW-02

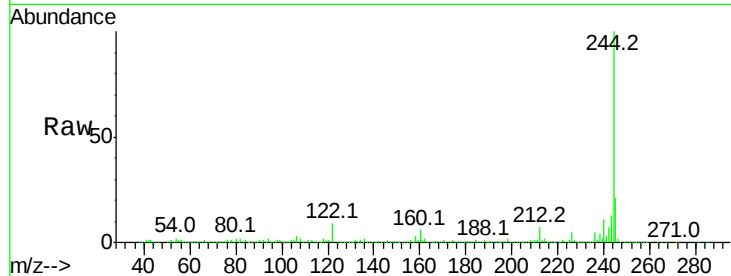
Tot Ion:244 Resp: 1094076

Ion Ratio Lower Upper

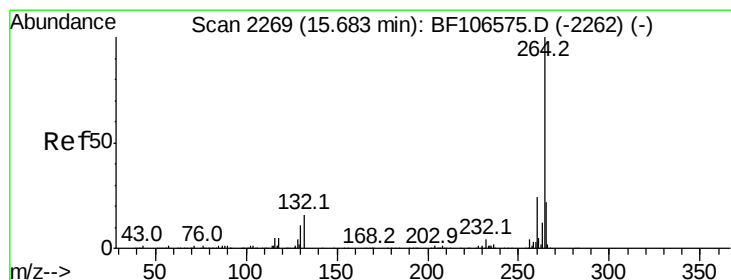
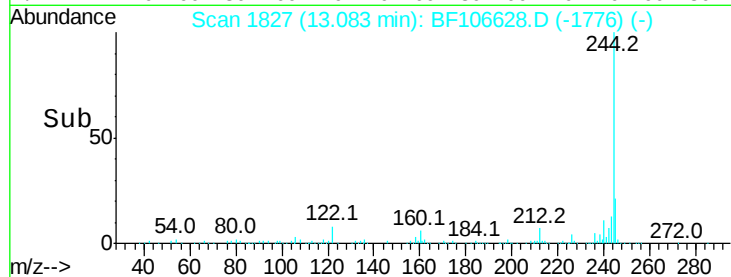
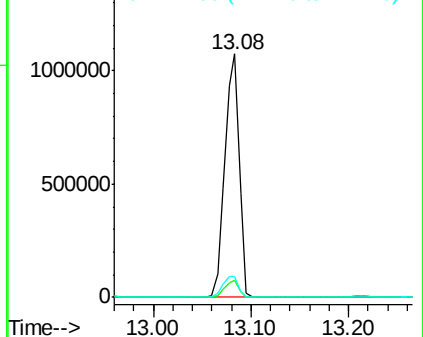
244 100

212 7.1 5.4 8.0

122 8.6 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: BF106628.D

Acq: 20 Jun 2018 19:12

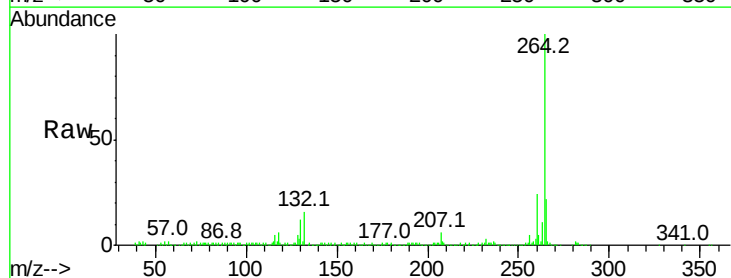
Tgt Ion:264 Resp: 286130

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 21.6 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

