

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110918\
 Data File : BF110628.D
 Acq On : 9 Nov 2018 15:29
 Operator : JU/SJ
 Sample : J5860-14
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 09 17:17:31 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 09 15:13:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	59753	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	227146	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	88300	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	140962	20.00	ng	0.00
76) Chrysene-d12	14.13	240	121857	20.00	ng	0.00
87) Perylene-d12	15.66	264	84865	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	182878	49.71	ng	0.00
7) Phenol-d6	6.56	99	232033	49.33	ng	-0.01
23) Nitrobenzene-d5	7.50	82	141847	35.96	ng	-0.01
42) 2,4,6-Tribromophenol	10.78	330	31985	35.95	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	251293	40.64	ng	0.00
79) Terphenyl-d14	13.06	244	210781	32.39	ng	0.00

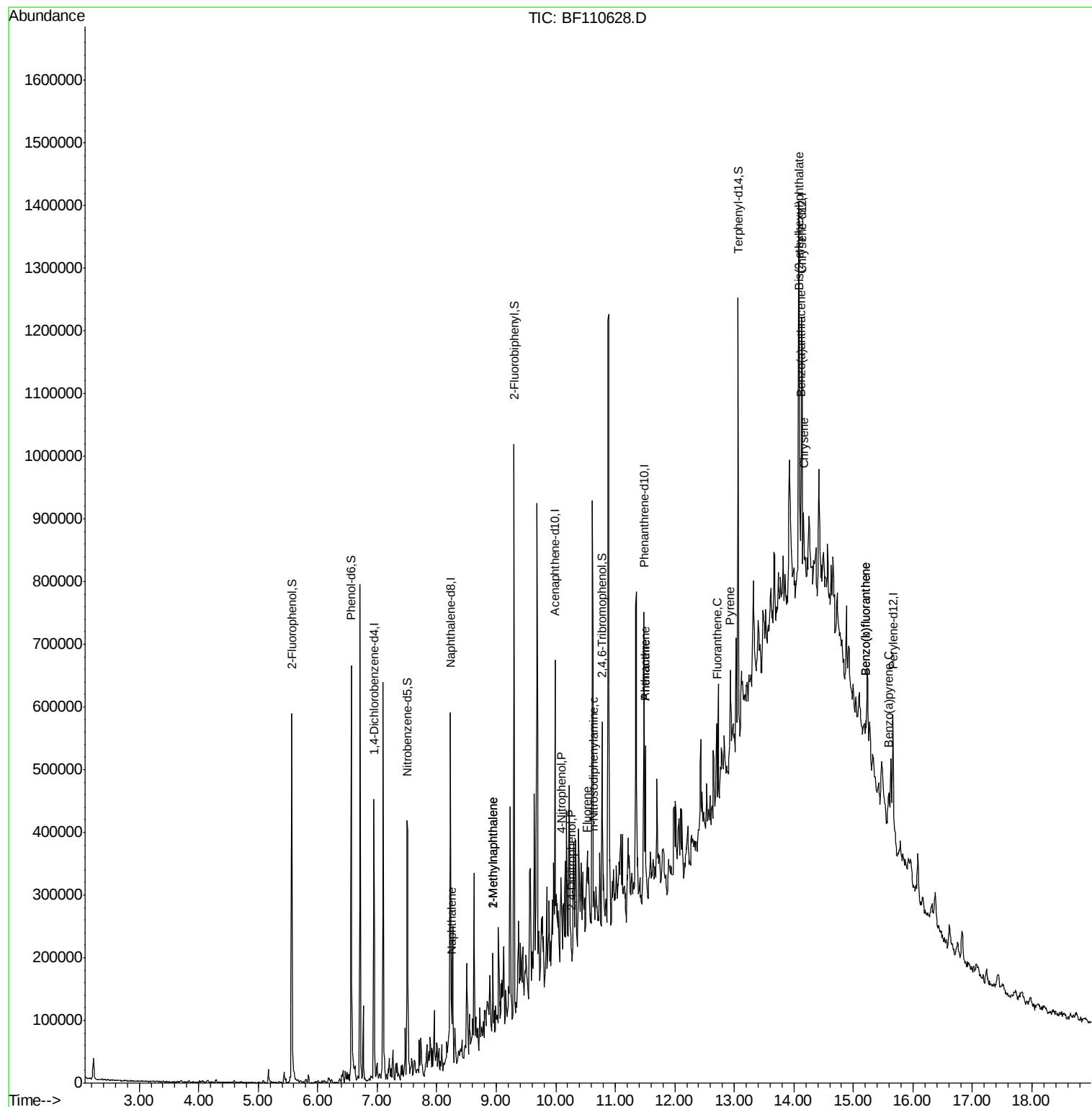
Target Compounds				Qvalue		
9) Benzaldehyde	6.50	77	899	Below Cal	#	1
31) Naphthalene	8.25	128	23131	2.169	ng	98
37) 2-Methylnaphthalene	8.94	142	37031	5.297	ng	96
38) 1-Methylnaphthalene	8.94	142	37031	5.508	ng	93
54) 2,4-Dinitrophenol	10.27	184	1244	6.730	ng	# 55
56) 4-Nitrophenol	10.09	139	3906	3.506	ng	# 54
58) Fluorene	10.54	166	15871	2.615	ng	# 84
66) n-Nitrosodiphenylamine	10.64	169	14696	3.093	ng	# 42
71) Phenanthrene	11.50	178	78941	10.453	ng	98
72) Anthracene	11.50	178	78941	10.362	ng	99
75) Fluoranthene	12.70	202	59000	7.792	ng	98
78) Pyrene	12.93	202	55590	5.925	ng	96
81) Benzo(a)anthracene	14.12	228	21135	2.902	ng	# 93
83) Chrysene	14.16	228	21455	3.092	ng	# 95
84) Bis(2-ethylhexyl)phthalate	14.09	149	176771	35.285	ng	# 93
88) Benzo(b)fluoranthene	15.21	252	26616	5.243	ng	# 44
89) Benzo(k)fluoranthene	15.21	252	26616	5.306	ng	# 45
90) Benzo(a)pyrene	15.60	252	10791	2.339	ng	# 28

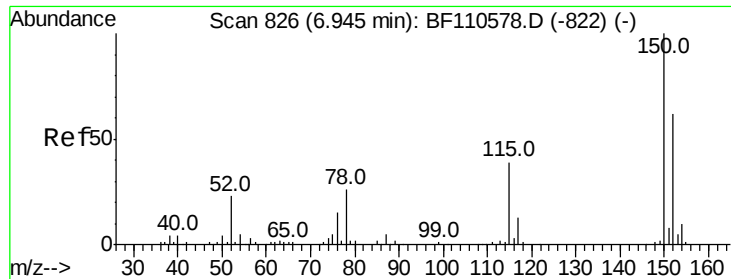
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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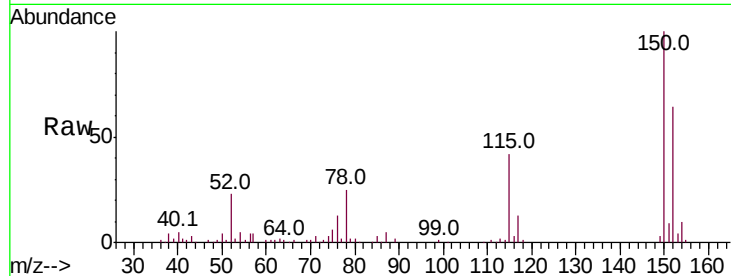


#1

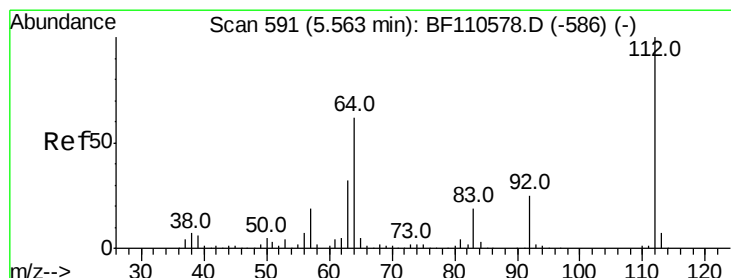
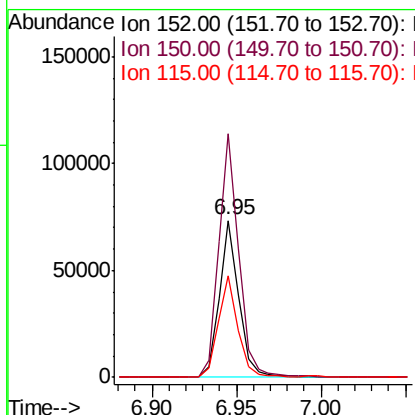
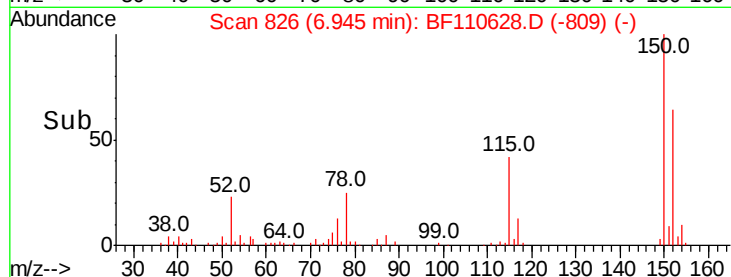
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF110628.D
Acq: 9 Nov 2018 15:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 59753
Ion Ratio Lower Upper
152 100
150 155.2 122.7 184.1
115 64.6 49.1 73.7



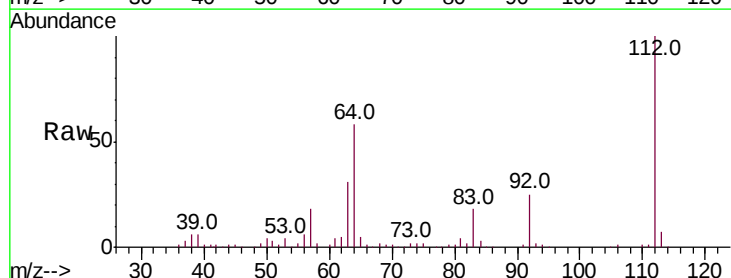
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



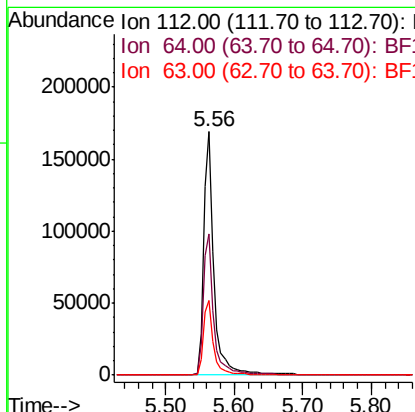
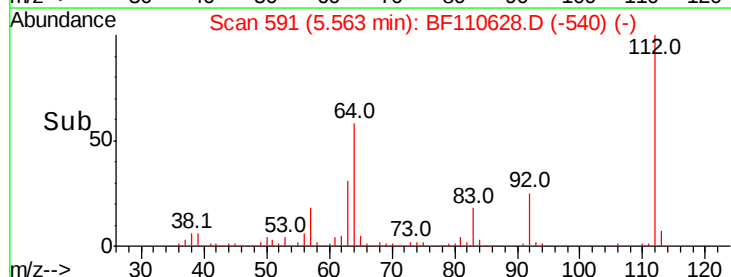
#5

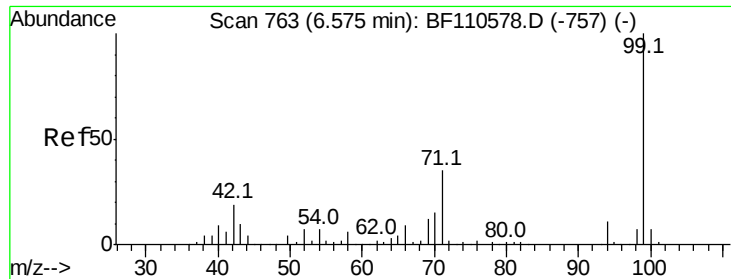
2-Fluorophenol
Concen: 49.713 ng
RT: 5.56 min Scan# 591
Delta R.T. 0.00 min
Lab File: BF110628.D
Acq: 9 Nov 2018 15:29

Tgt Ion:112 Resp: 182878
Ion Ratio Lower Upper
112 100
64 58.2 44.1 66.1
63 30.8 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: 49.326 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF110628.D

Acq: 9 Nov 2018 15:29

Instrument :

BNA_F

ClientSampleId :

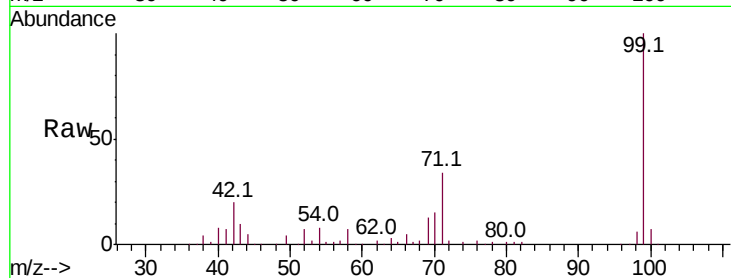
Tot Ion: 99 Resp: 232033

Ion Ratio Lower Upper

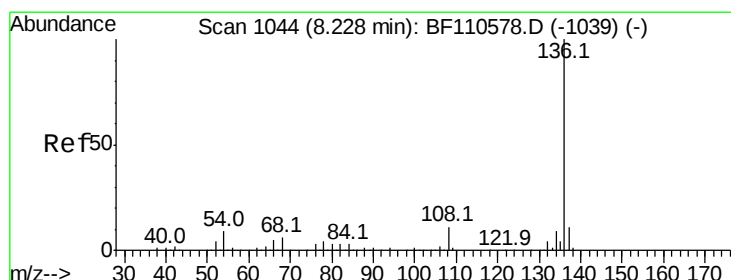
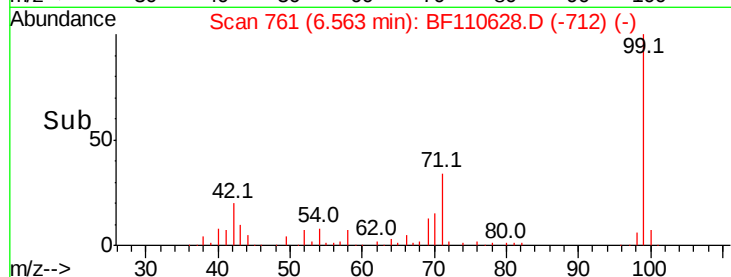
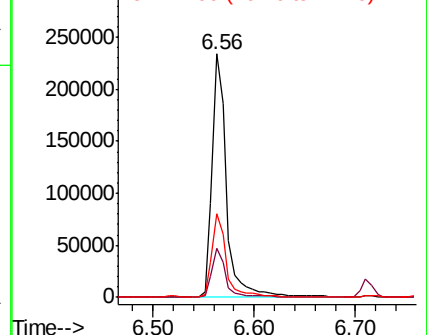
99 100

42 19.9 15.8 23.6

71 34.5 28.0 42.0



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: 8.23 min Scan# 1044

Delta R.T. 0.00 min

Lab File: BF110628.D

Acq: 9 Nov 2018 15:29

Tgt Ion: 136 Resp: 227146

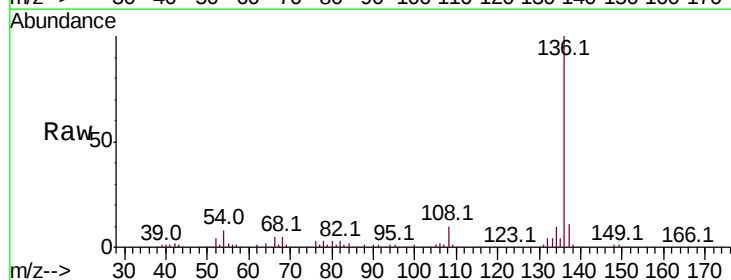
Ion Ratio Lower Upper

136 100

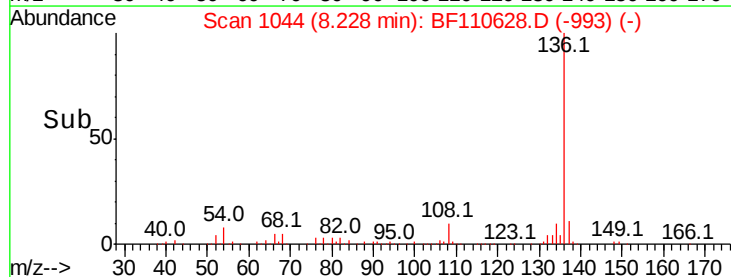
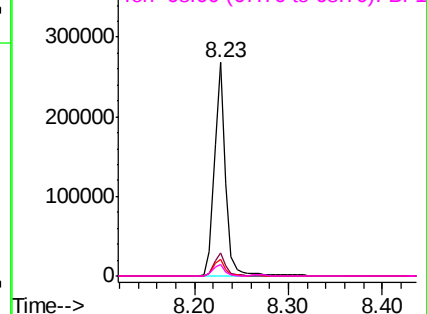
137 10.7 8.8 13.2

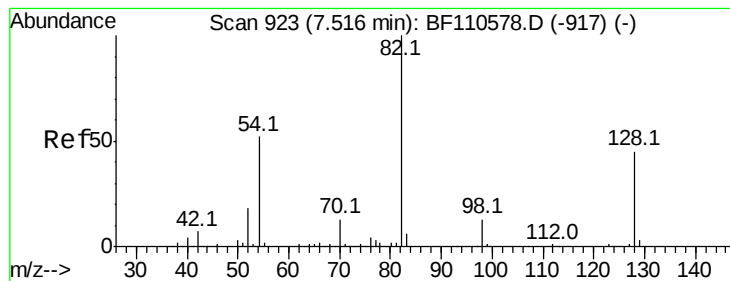
54 7.8 5.4 8.2

68 5.2 4.2 6.2



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: 35.963 ng

RT: 7.50 min Scan# 921

Delta R.T. -0.01 min

Lab File: BF110628.D

Acq: 9 Nov 2018 15:29

Instrument :

BNA_F

ClientSampled :

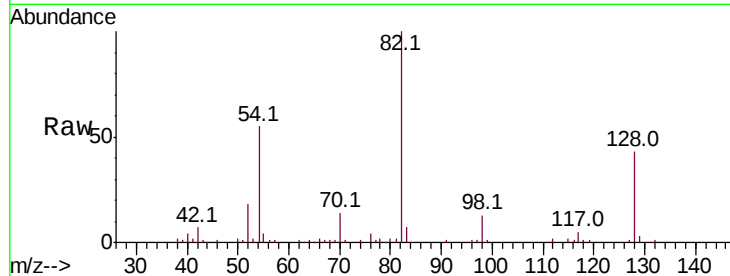
Tot Ion: 82 Resp: 141847

Ion Ratio Lower Upper

82 100

128 42.5 34.2 51.2

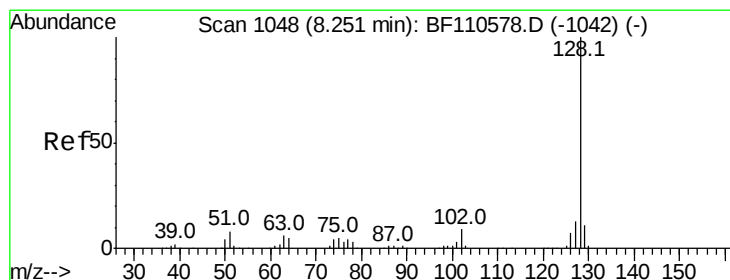
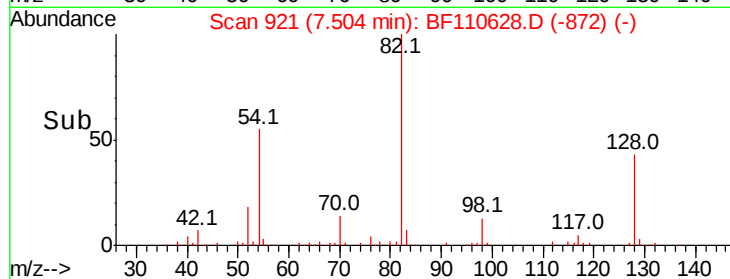
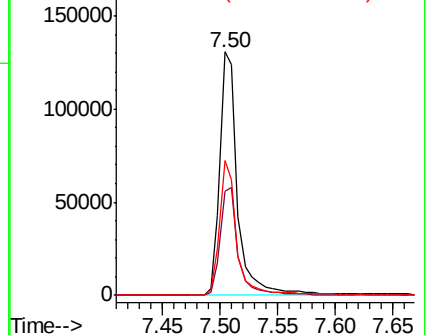
54 55.3 38.6 58.0



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: 2.169 ng

RT: 8.25 min Scan# 1048

Delta R.T. 0.00 min

Lab File: BF110628.D

Acq: 9 Nov 2018 15:29

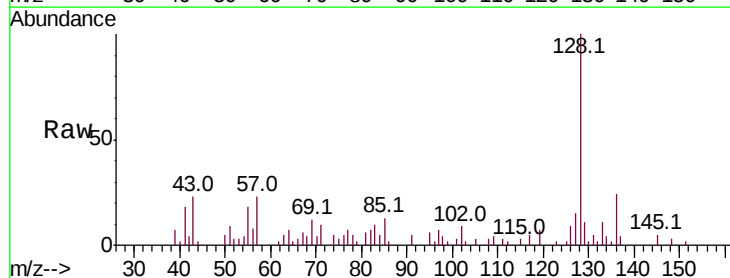
Tgt Ion: 128 Resp: 23131

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

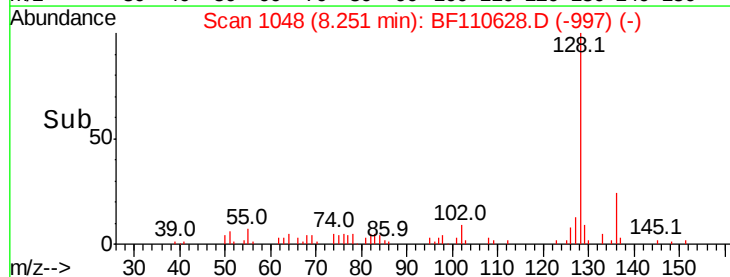
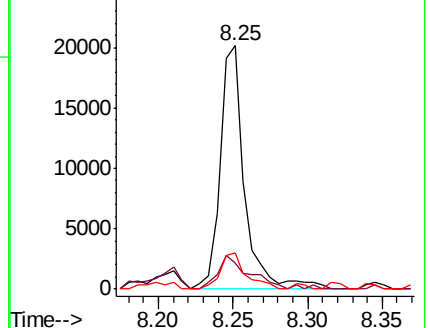
127 14.7 10.8 16.2

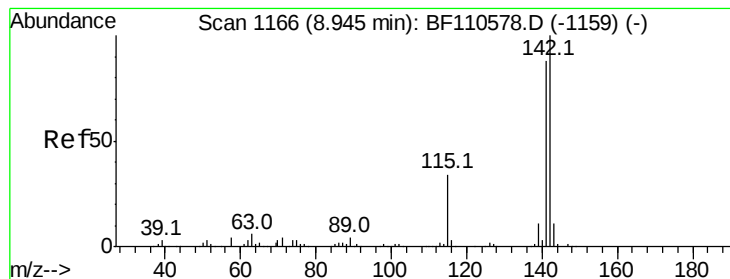


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#37

2-Methylnaphthalene

Concen: 5.297 ng

RT: 8.94 min Scan# 1165

Delta R.T. -0.01 min

Lab File: BF110628.D

Acq: 9 Nov 2018 15:29

Instrument :

BNA_F

ClientSampleId :

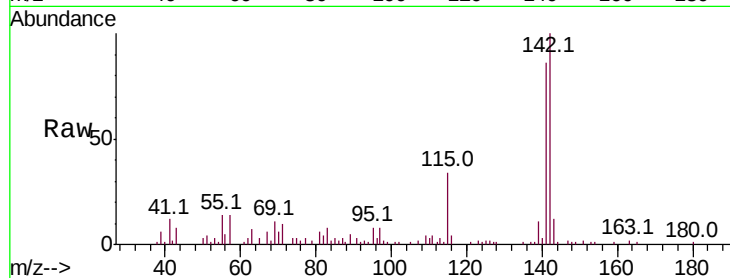
Tot Ion:142 Resp: 37031

Ion Ratio Lower Upper

142 100

141 85.9 71.4 107.2

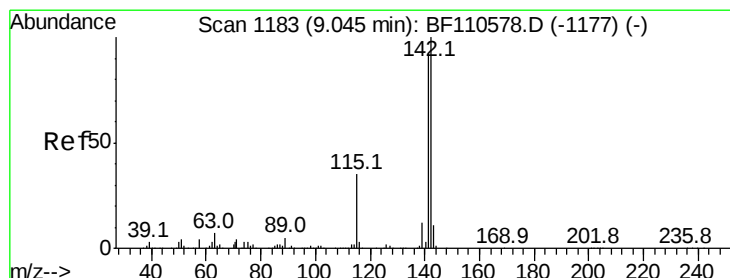
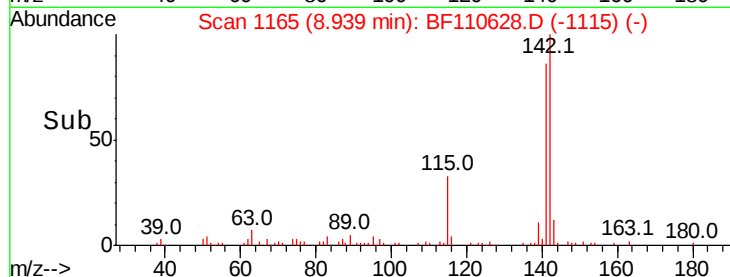
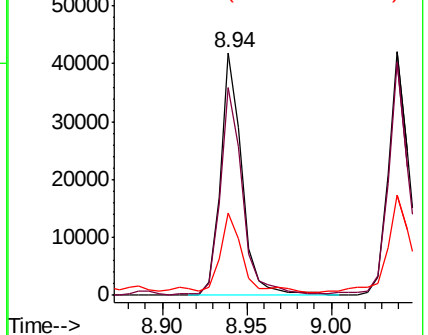
115 33.8 28.7 43.1



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

1-Methylnaphthalene

Concen: 5.508 ng

RT: 8.94 min Scan# 1165

Delta R.T. -0.11 min

Lab File: BF110628.D

Acq: 9 Nov 2018 15:29

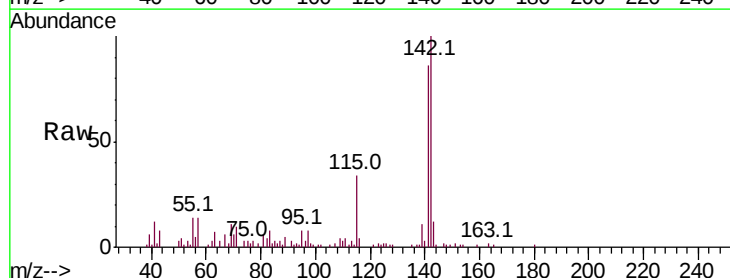
Tgt Ion:142 Resp: 37031

Ion Ratio Lower Upper

142 100

141 85.9 74.2 111.4

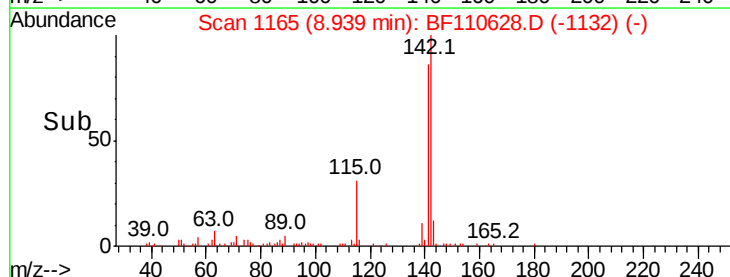
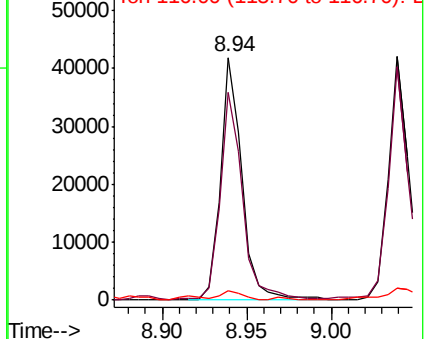
116 3.9 2.6 4.0

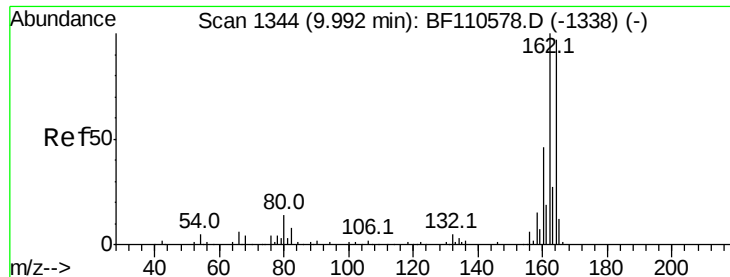


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

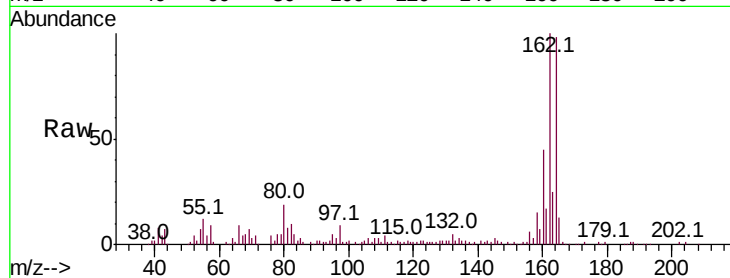




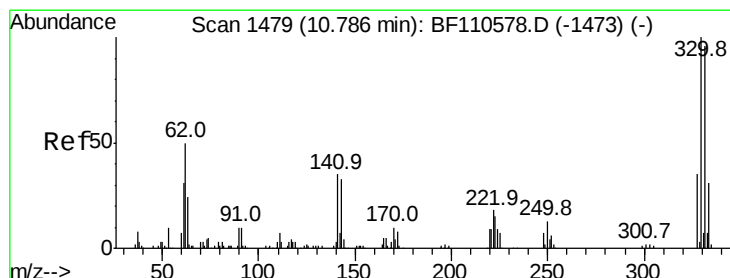
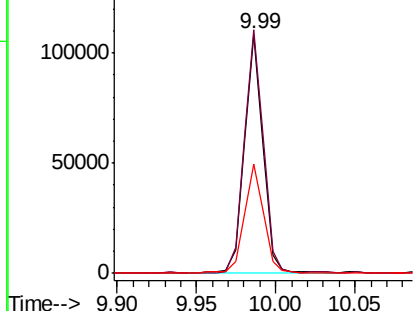
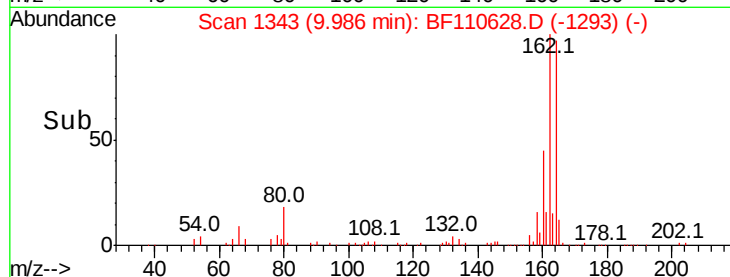
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BF110628.D
Acq: 9 Nov 2018 15:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 88300
Ion Ratio Lower Upper
164 100
162 101.9 83.0 124.6
160 45.9 37.0 55.6

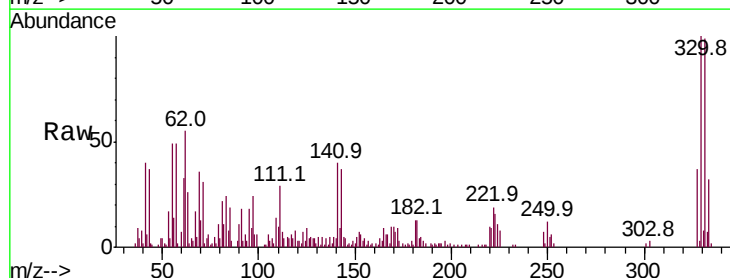


Abundance Ion 164.00 (163.70 to 164.70): E
150000 Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

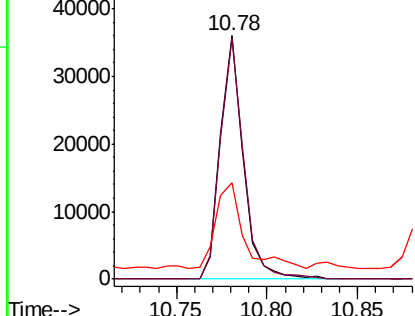
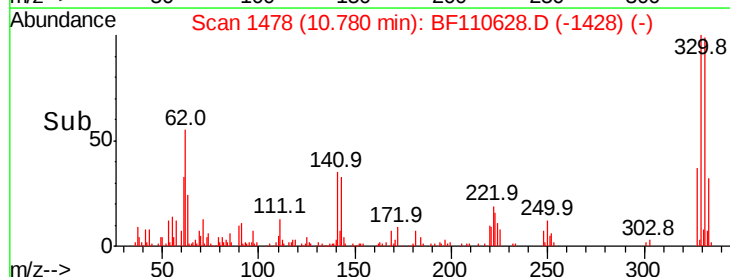


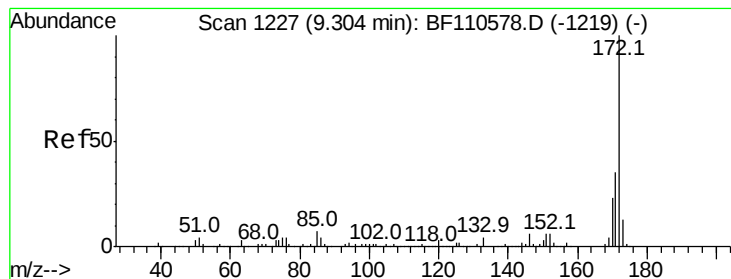
#42
2,4,6-Tribromophenol
Concen: 35.949 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.01 min
Lab File: BF110628.D
Acq: 9 Nov 2018 15:29

Tgt Ion:330 Resp: 31985
Ion Ratio Lower Upper
330 100
332 99.4 77.1 115.7
141 43.8 27.0 40.4#



Abundance Ion 329.80 (329.50 to 330.50): E
50000 Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 40.645 ng

RT: 9.30 min Scan# 1226

Delta R.T. -0.01 min

Lab File: BF110628.D

Acq: 9 Nov 2018 15:29

Instrument :

BNA_F

ClientSampleId :

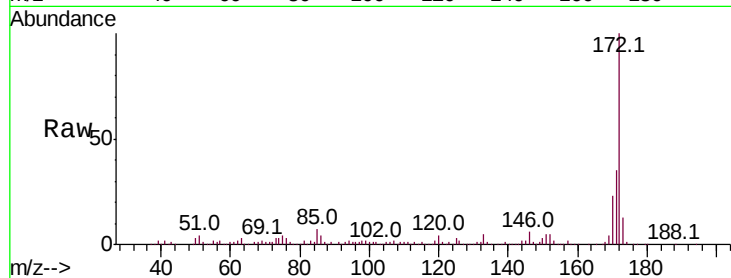
Tot Ion:172 Resp: 251293

Ion Ratio Lower Upper

172 100

171 35.2 28.6 43.0

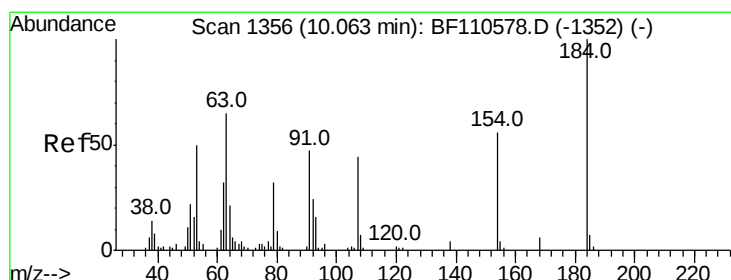
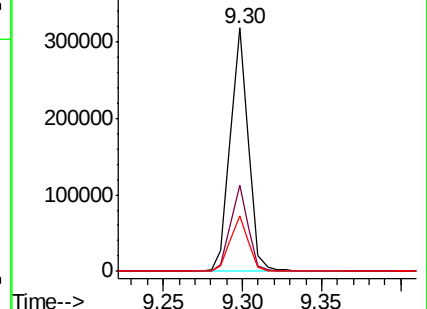
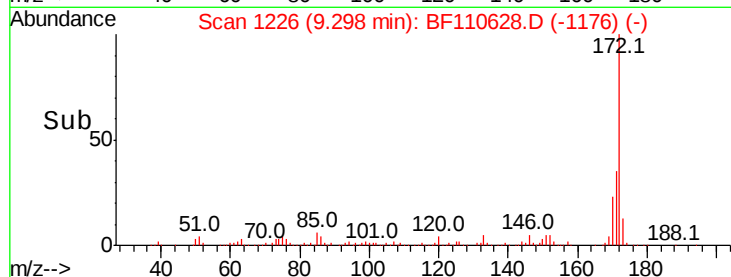
170 22.8 19.7 29.5



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



#54

2,4-Dinitrophenol

Concen: 6.730 ng

RT: 10.27 min Scan# 1392

Delta R.T. 0.21 min

Lab File: BF110628.D

Acq: 9 Nov 2018 15:29

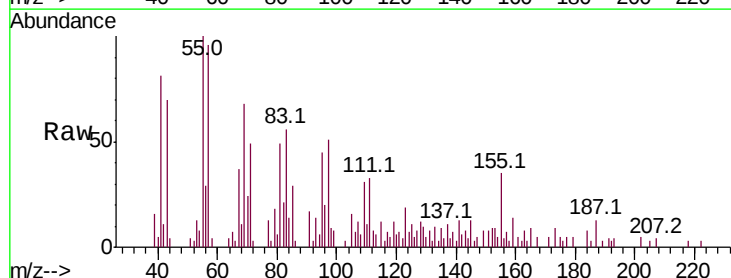
Tgt Ion:184 Resp: 1244

Ion Ratio Lower Upper

184 100

63 0.0 55.8 83.6#

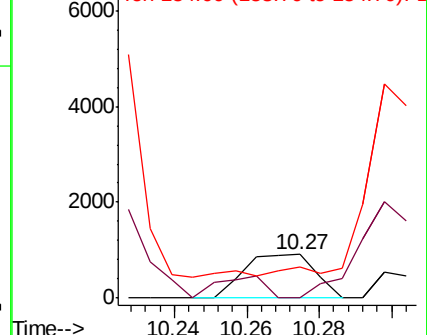
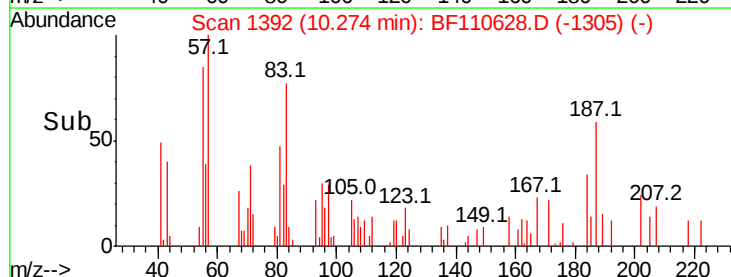
154 70.5 63.2 94.8

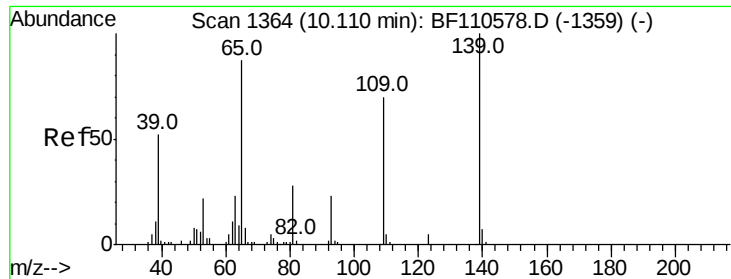


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

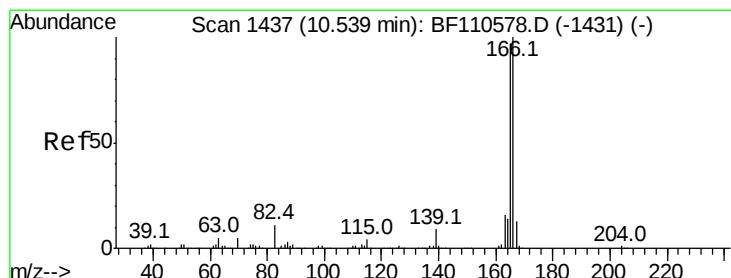
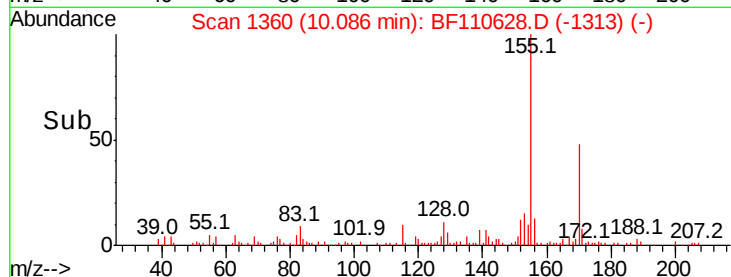
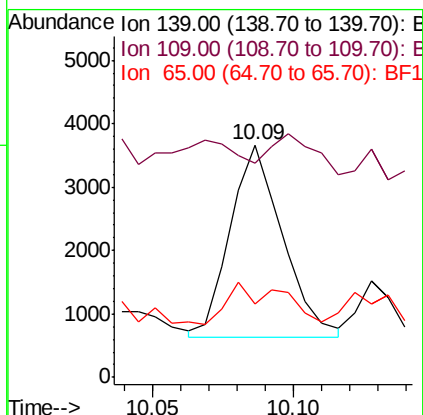
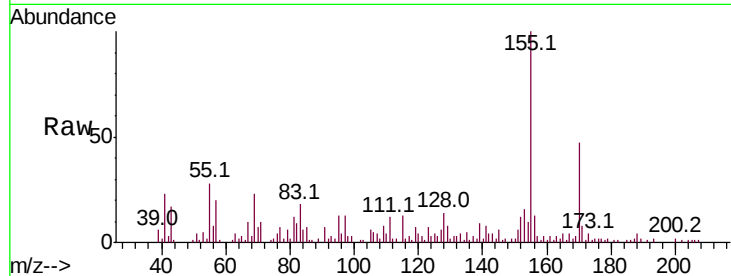




#56
4-Nitrophenol
Concen: 3.506 ng
RT: 10.09 min Scan# 1360
Delta R.T. -0.02 min
Lab File: BF110628.D
Acq: 9 Nov 2018 15:29

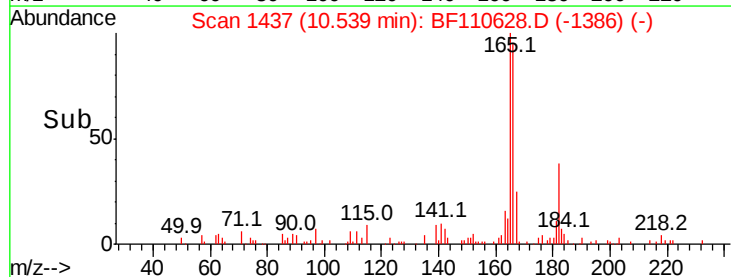
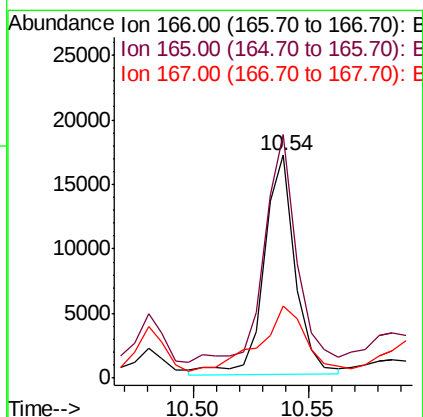
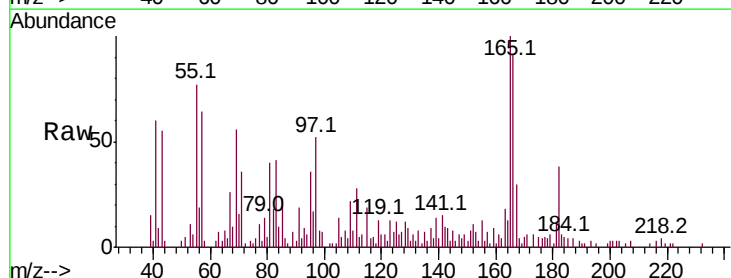
Instrument :
BNA_F
ClientSampled :

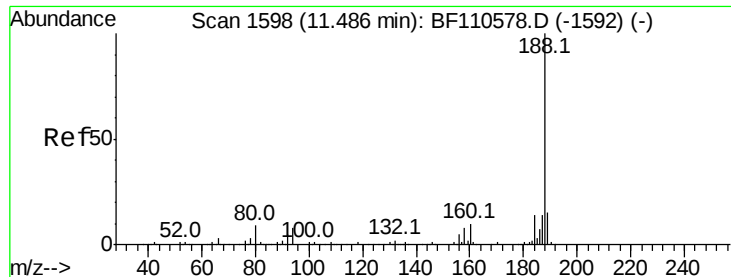
Tot Ion:139 Resp: 3906
Ion Ratio Lower Upper
139 100
109 92.2 55.8 95.8
65 31.6 77.9 117.9#



#58
Fluorene
Concen: 2.615 ng
RT: 10.54 min Scan# 1437
Delta R.T. 0.00 min
Lab File: BF110628.D
Acq: 9 Nov 2018 15:29

Tgt Ion:166 Resp: 15871
Ion Ratio Lower Upper
166 100
165 109.4 78.6 117.8
167 32.3 10.8 16.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF110628.D

Acq: 9 Nov 2018 15:29

Instrument :

BNA_F

ClientSampleId :

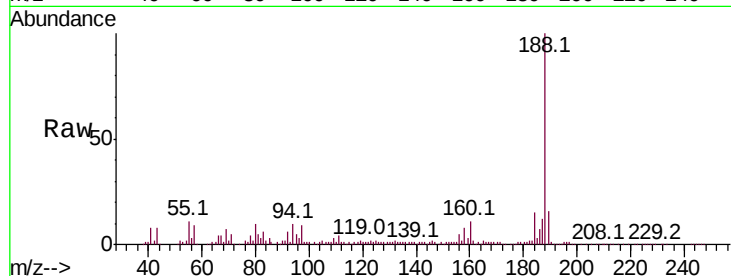
Tot Ion:188 Resp: 140962

Ion Ratio Lower Upper

188 100

94 9.6 7.2 10.8

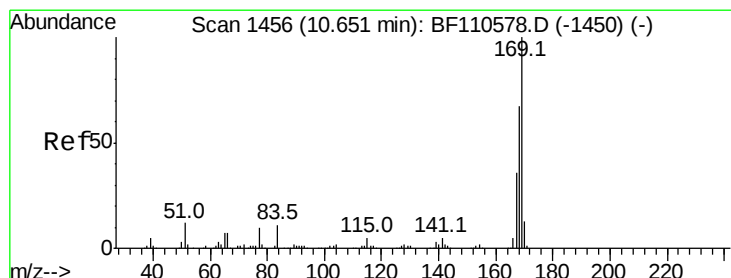
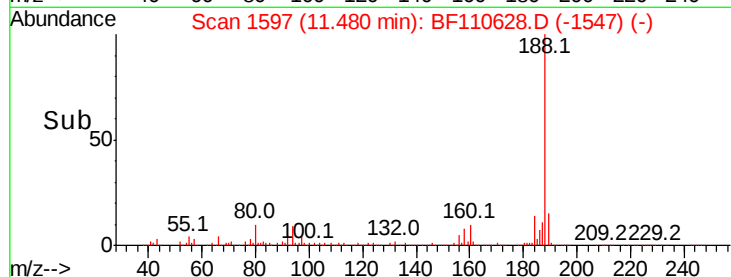
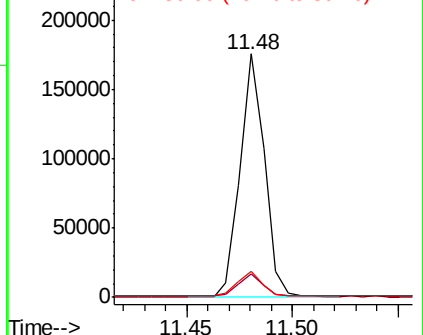
80 10.5 7.9 11.9



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

n-Nitrosodiphenylamine

Concen: 3.093 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF110628.D

Acq: 9 Nov 2018 15:29

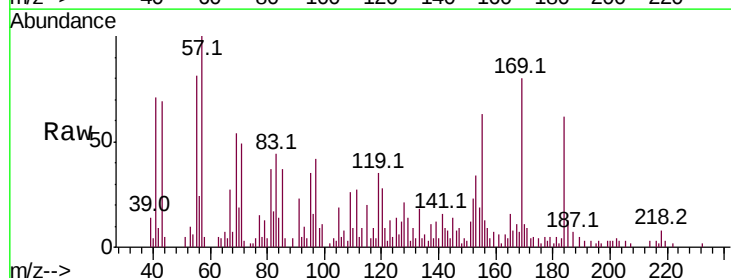
Tgt Ion:169 Resp: 14696

Ion Ratio Lower Upper

169 100

168 9.3 51.2 76.8#

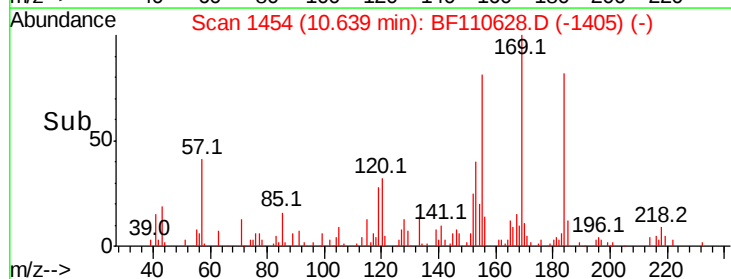
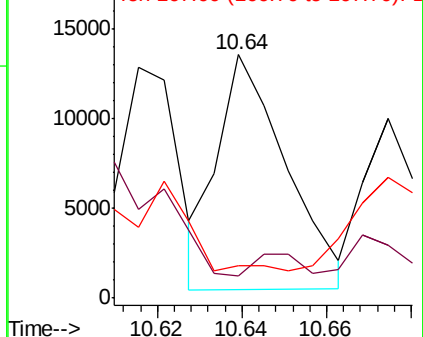
167 13.2 27.8 41.6#

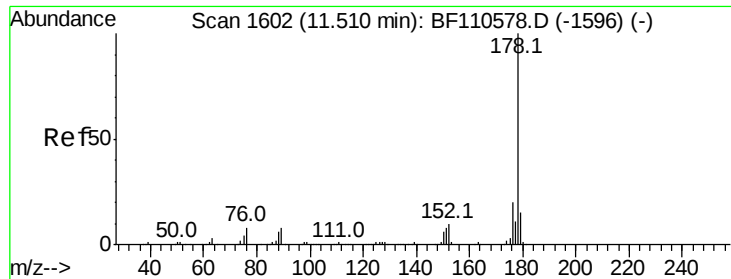


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

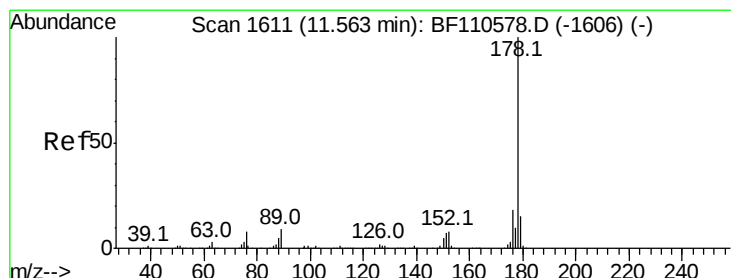
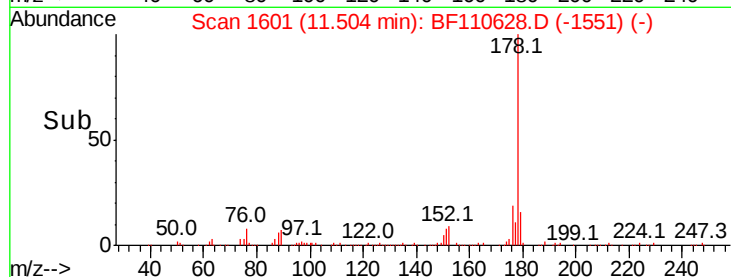
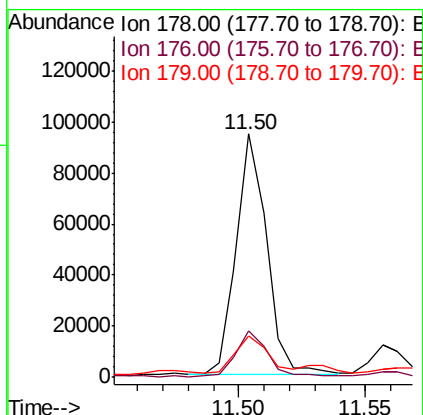
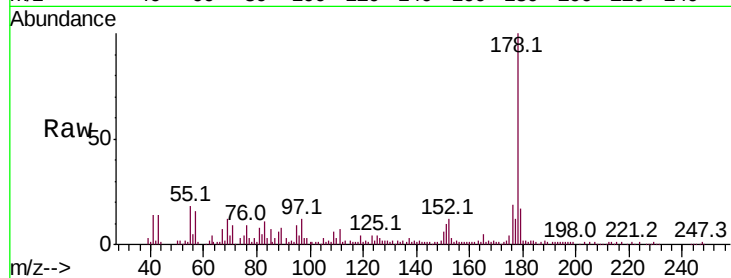




#71
Phenanthrene
Concen: 10.453 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110628.D
Acq: 9 Nov 2018 15:29

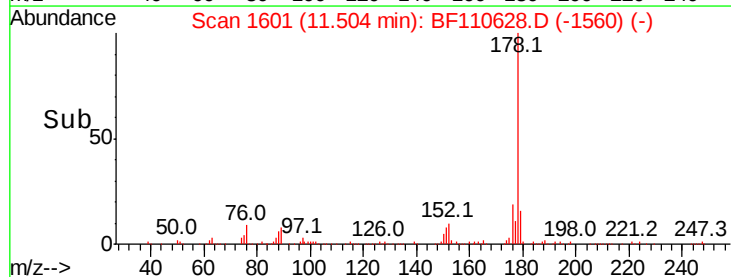
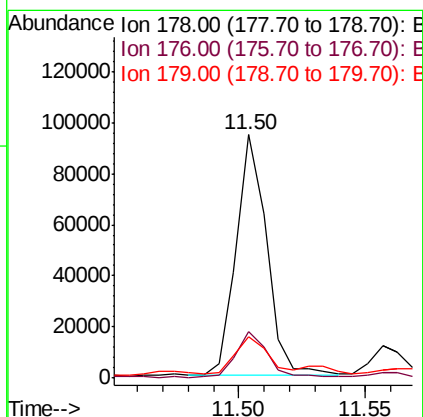
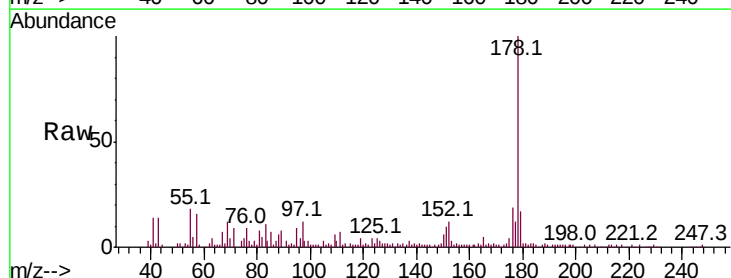
Instrument :
BNA_F
ClientSampleId :

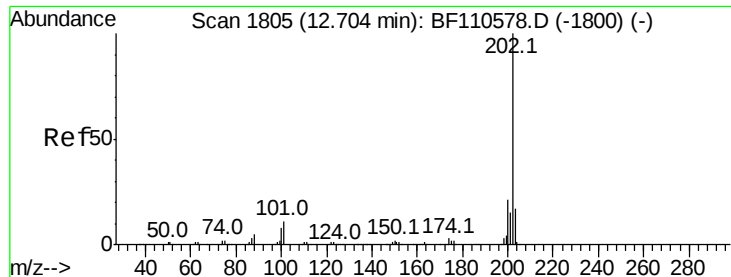
Tot Ion:178 Resp: 78941
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 17.0 12.5 18.7



#72
Anthracene
Concen: 10.362 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.06 min
Lab File: BF110628.D
Acq: 9 Nov 2018 15:29

Tgt Ion:178 Resp: 78941
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 17.0 12.6 18.8





#75

Fluoranthene

Concen: 7.792 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF110628.D

Acq: 9 Nov 2018 15:29

Instrument :

BNA_F

ClientSampleId :

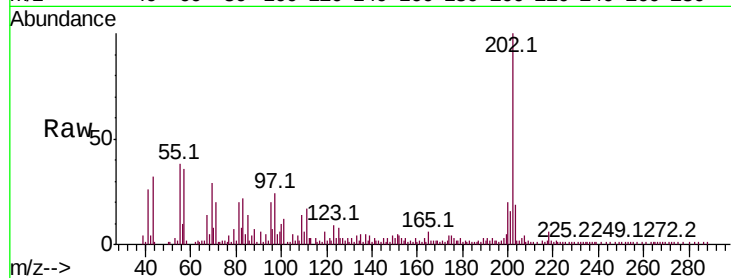
Tot Ion:202 Resp: 59000

Ion Ratio Lower Upper

202 100

101 11.9 0.0 31.4

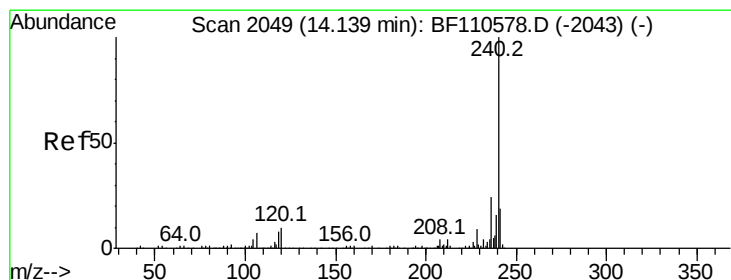
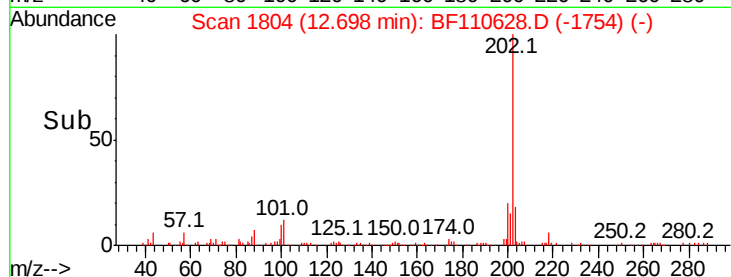
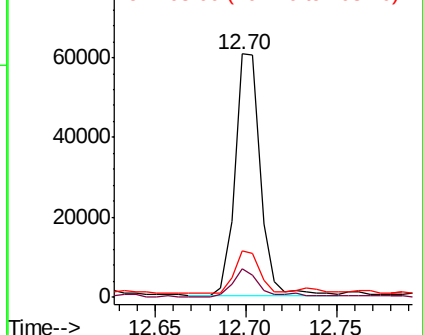
203 19.0 0.0 37.7



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.13 min Scan# 2048

Delta R.T. -0.01 min

Lab File: BF110628.D

Acq: 9 Nov 2018 15:29

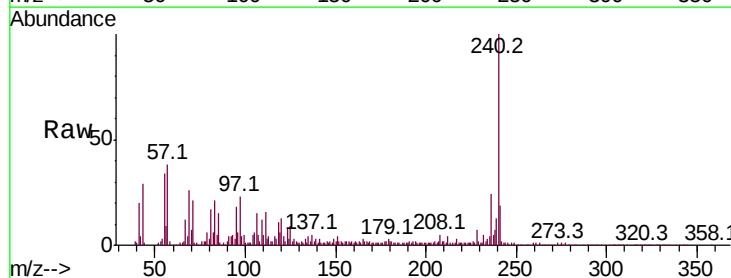
Tgt Ion:240 Resp: 121857

Ion Ratio Lower Upper

240 100

120 13.3 8.3 12.5#

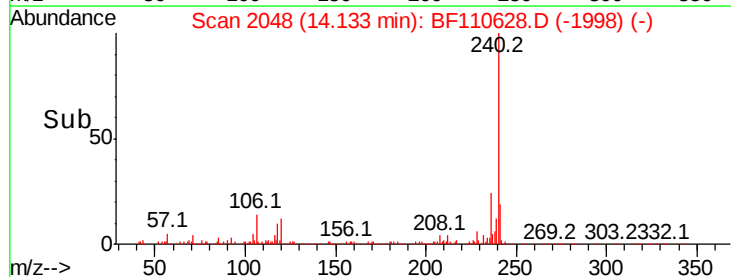
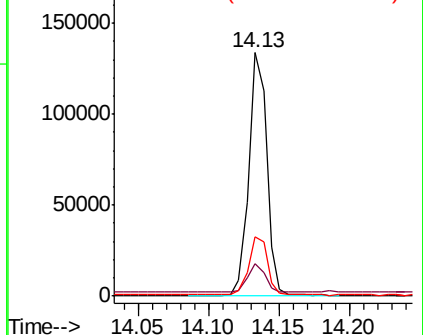
236 24.2 21.2 31.8

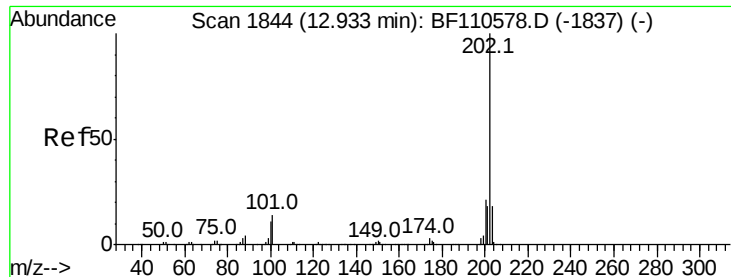


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 5.925 ng

RT: 12.93 min Scan# 1844

Delta R.T. 0.00 min

Lab File: BF110628.D

Acq: 9 Nov 2018 15:29

Instrument :

BNA_F

ClientSampleId :

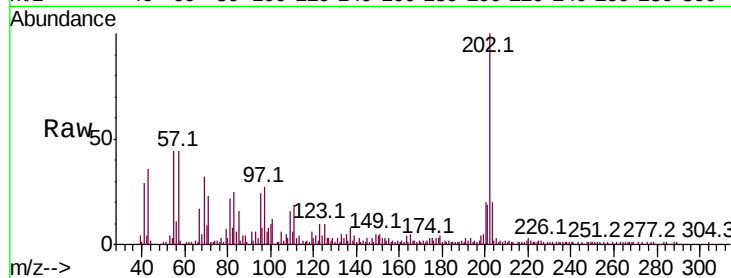
Tot Ion:202 Resp: 55590

Ion Ratio Lower Upper

202 100

200 20.2 17.8 26.6

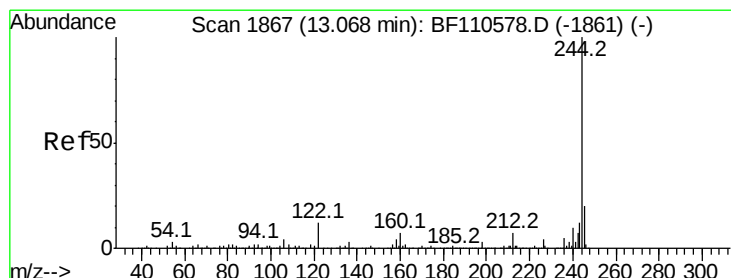
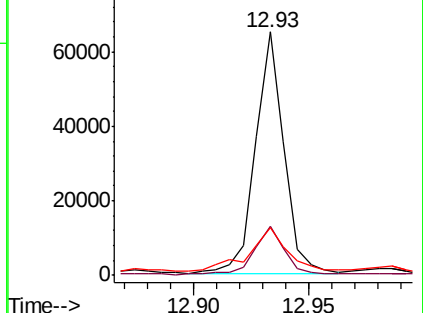
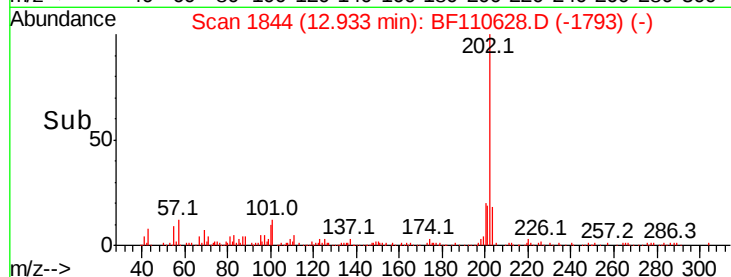
203 19.8 14.2 21.4



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



#79

Terphenyl-d14

Concen: 32.394 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF110628.D

Acq: 9 Nov 2018 15:29

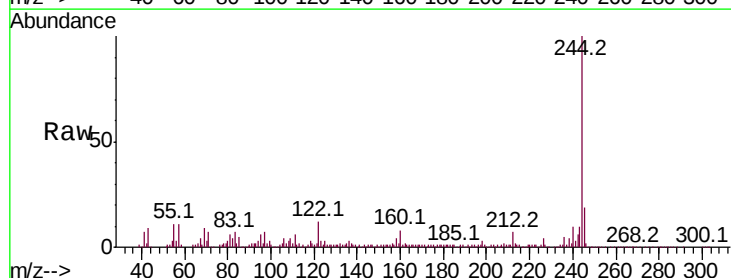
Tgt Ion:244 Resp: 210781

Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.8

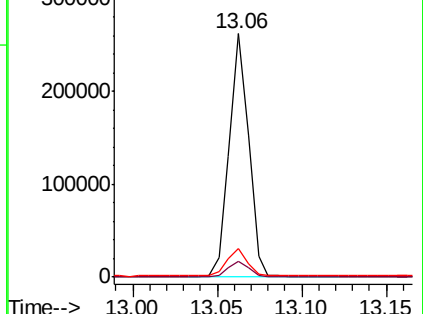
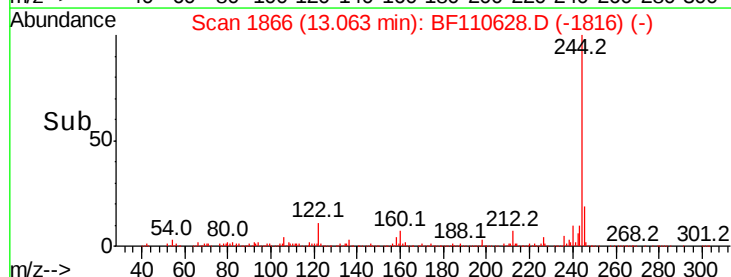
122 11.9 8.7 13.1

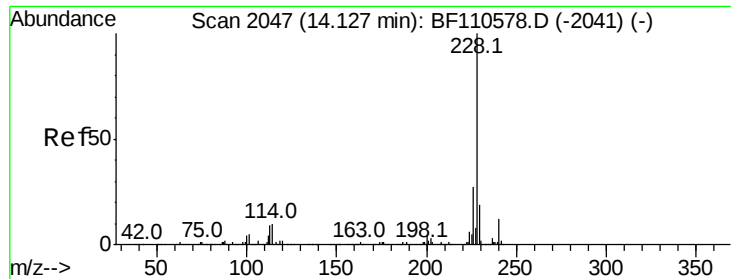


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 2.902 ng

RT: 14.12 min Scan# 2046

Delta R.T. -0.01 min

Lab File: BF110628.D

Acq: 9 Nov 2018 15:29

Instrument :

BNA_F

ClientSampleId :

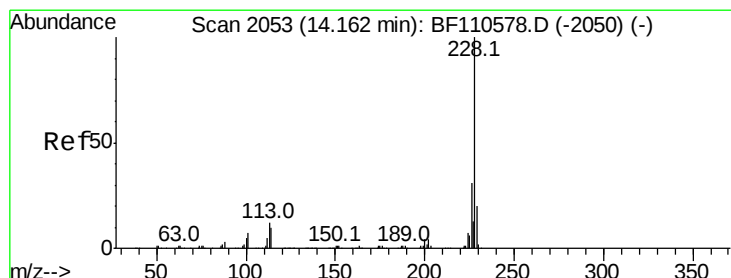
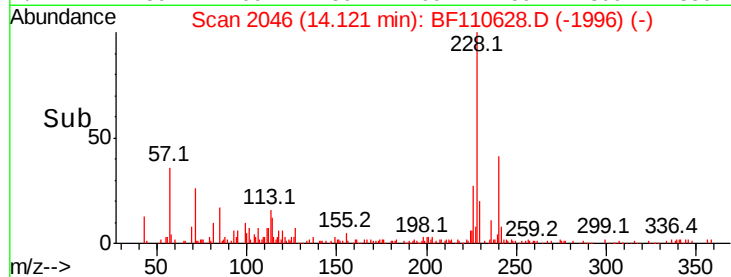
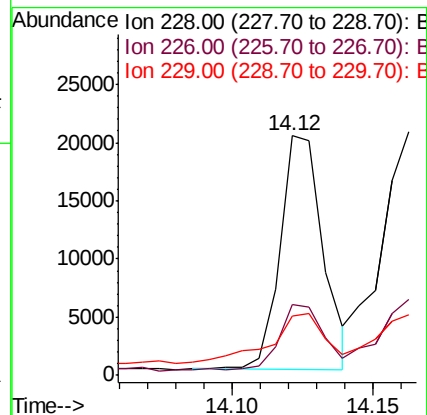
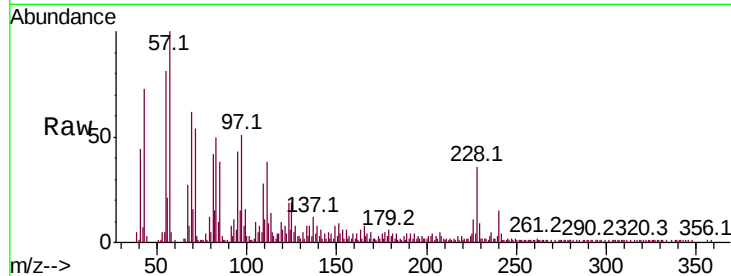
Tot Ion:228 Resp: 21135

Ion Ratio Lower Upper

228 100

226 29.4 22.1 33.1

229 25.0 15.6 23.4#



#83

Chrysene

Concen: 3.092 ng

RT: 14.16 min Scan# 2053

Delta R.T. 0.00 min

Lab File: BF110628.D

Acq: 9 Nov 2018 15:29

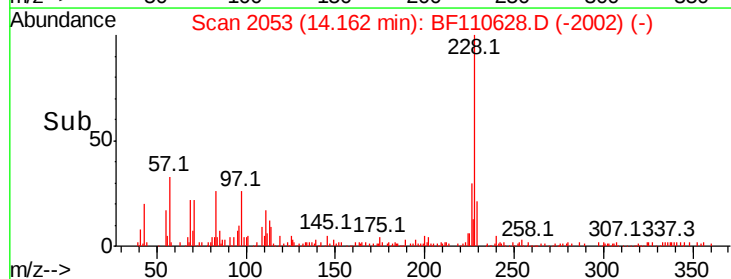
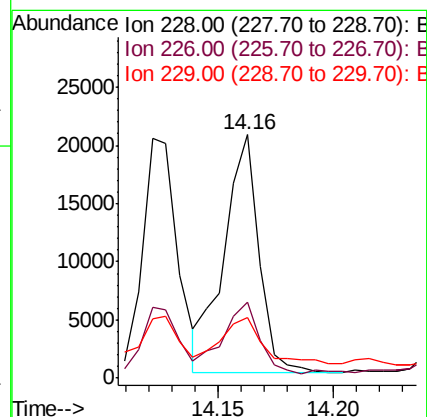
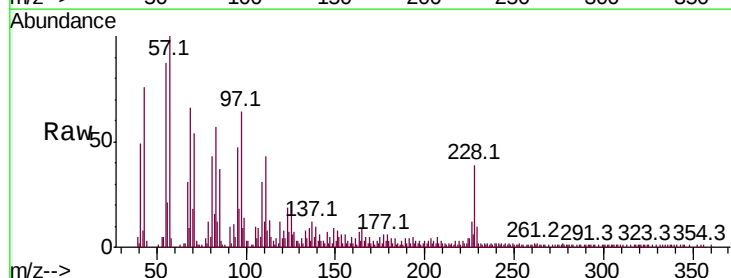
Tgt Ion:228 Resp: 21455

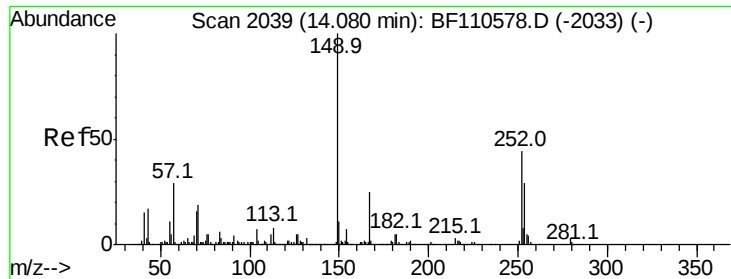
Ion Ratio Lower Upper

228 100

226 31.4 24.7 37.1

229 25.1 15.9 23.9#





#84

Bis(2-ethylhexyl)phthalate

Concen: 35.285 ng

RT: 14.09 min Scan# 2040

Delta R.T. 0.01 min

Lab File: BF110628.D

Acq: 9 Nov 2018 15:29

Instrument :

BNA_F

ClientSampled :

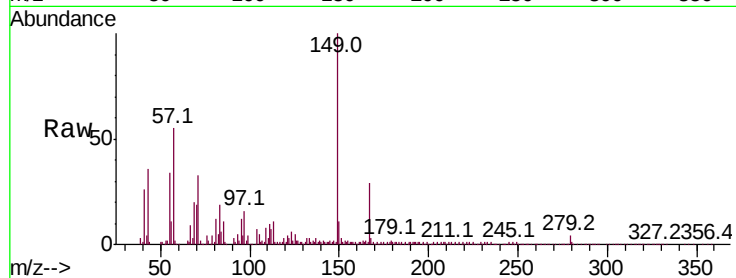
Tot Ion:149 Resp: 176771

Ion Ratio Lower Upper

149 100

167 28.7 19.8 29.8

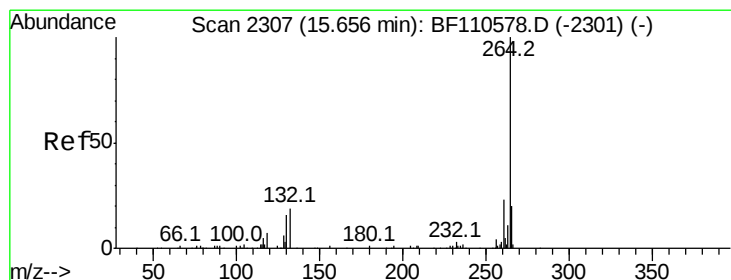
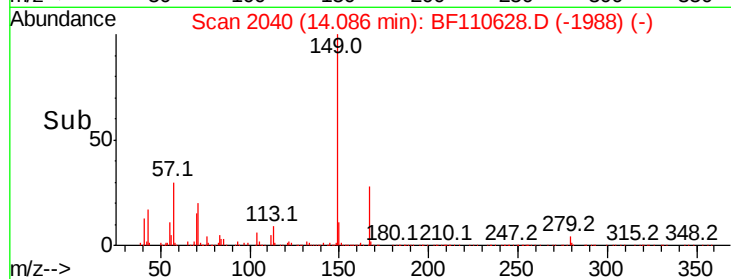
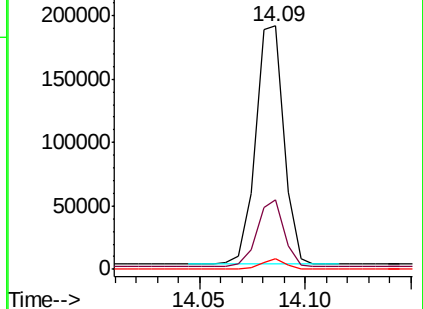
279 4.3 2.7 4.1#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.66 min Scan# 2308

Delta R.T. 0.01 min

Lab File: BF110628.D

Acq: 9 Nov 2018 15:29

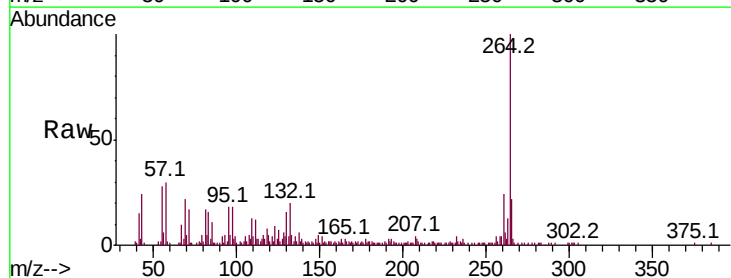
Tgt Ion:264 Resp: 84865

Ion Ratio Lower Upper

264 100

260 24.4 18.7 28.1

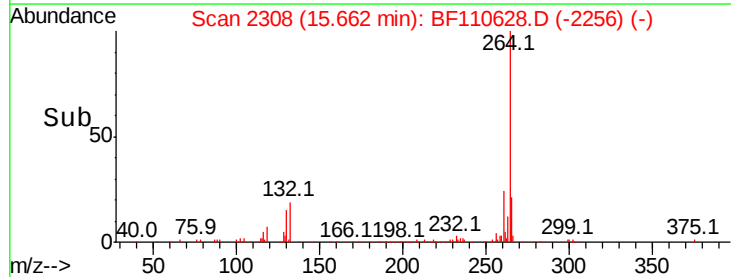
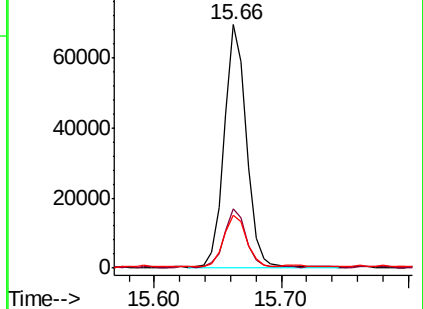
265 21.8 16.7 25.1

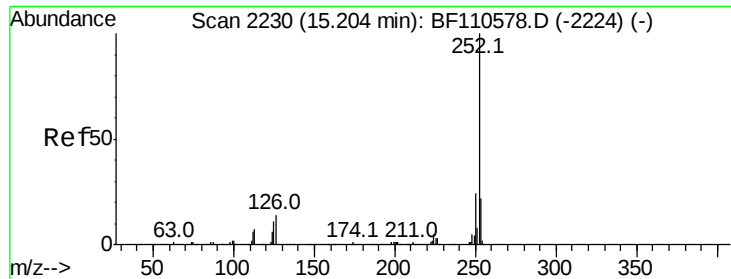


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

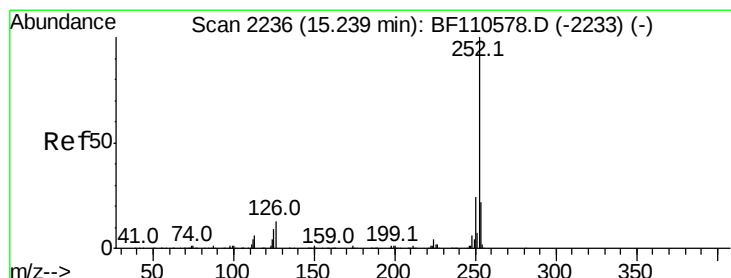
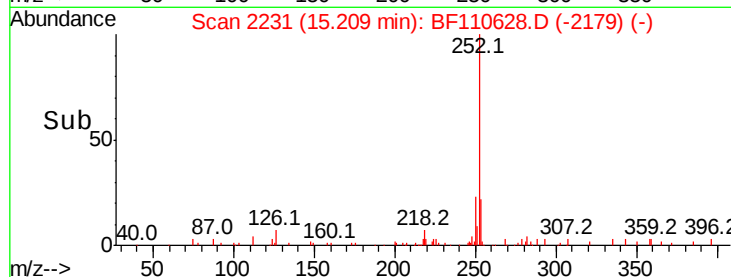
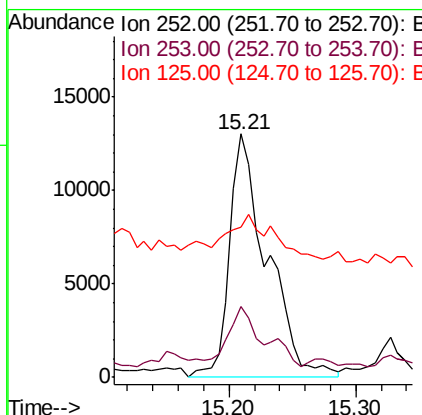
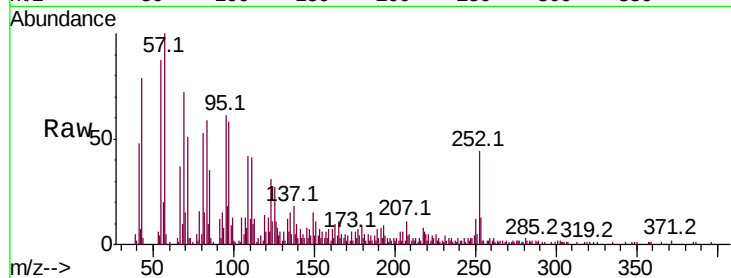




#88
Benzo(b)fluoranthene
Concen: 5.243 ng
RT: 15.21 min Scan# 2231
Delta R.T. 0.01 min
Lab File: BF110628.D
Acq: 9 Nov 2018 15:29

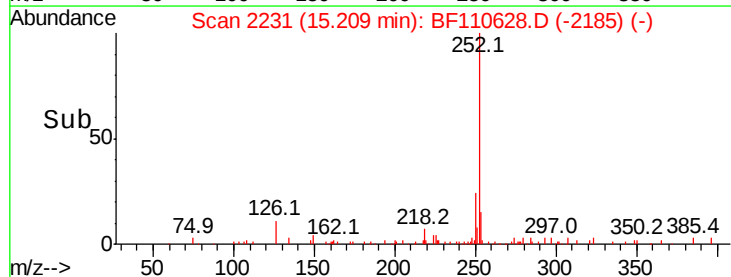
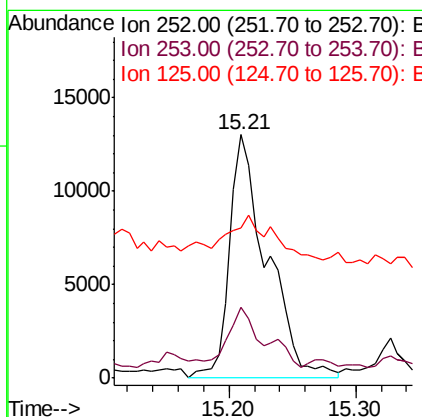
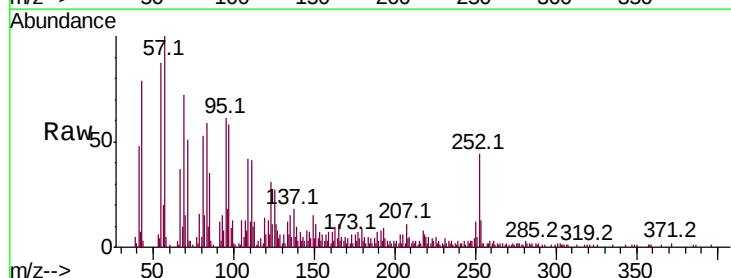
Instrument :
BNA_F
ClientSampleId :

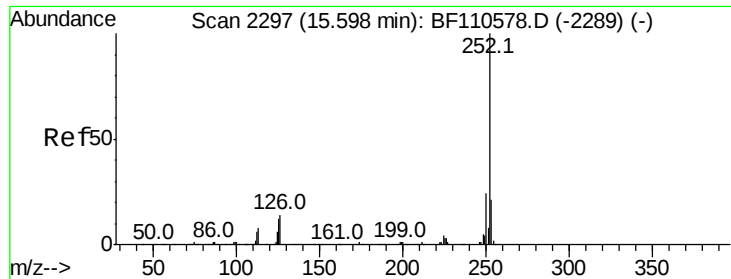
Tot Ion:252 Resp: 26616
Ion Ratio Lower Upper
252 100
253 29.2 17.2 25.8#
125 61.8 8.2 12.4#



#89
Benzo(k)fluoranthene
Concen: 5.306 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.03 min
Lab File: BF110628.D
Acq: 9 Nov 2018 15:29

Tgt Ion:252 Resp: 26616
Ion Ratio Lower Upper
252 100
253 29.2 17.2 25.8#
125 61.8 7.4 11.0#





#90

Benzo(a)pyrene

Concen: 2.339 ng

RT: 15.60 min Scan# 2297

Delta R.T. 0.00 min

Lab File: BF110628.D

Acq: 9 Nov 2018 15:29

Instrument :

BNA_F

ClientSampleId :

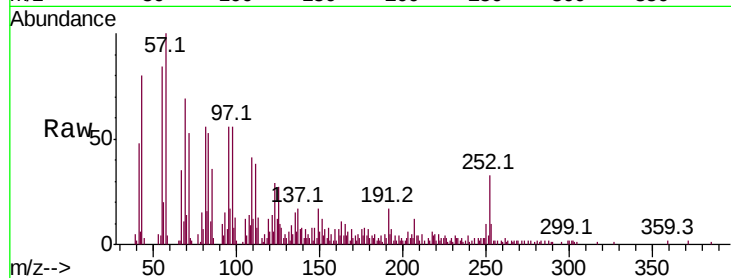
Tot Ion:252 Resp: 10791

Ion Ratio Lower Upper

252 100

253 31.0 18.2 27.4#

125 81.3 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

