

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083118\
 Data File : BF108688.D
 Acq On : 31 Aug 2018 14:52
 Operator : JU/SJ
 Sample : J4723-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 31 16:26:22 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 30 15:06:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	90225	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	367386	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	149625	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	223975	20.00	ng	0.00
75) Chrysene-d12	14.21	240	205495	20.00	ng	0.01
86) Perylene-d12	15.79	264	222707	20.00	ng	0.04

System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	331033	63.74	ng	-0.01
7) Phenol-d6	6.63	99	573970	77.16	ng	-0.02
23) Nitrobenzene-d5	7.56	82	373012	51.54	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	116282	58.87	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	672698	60.45	ng	-0.01
78) Terphenyl-d14	13.14	244	463024	43.78	ng	0.01

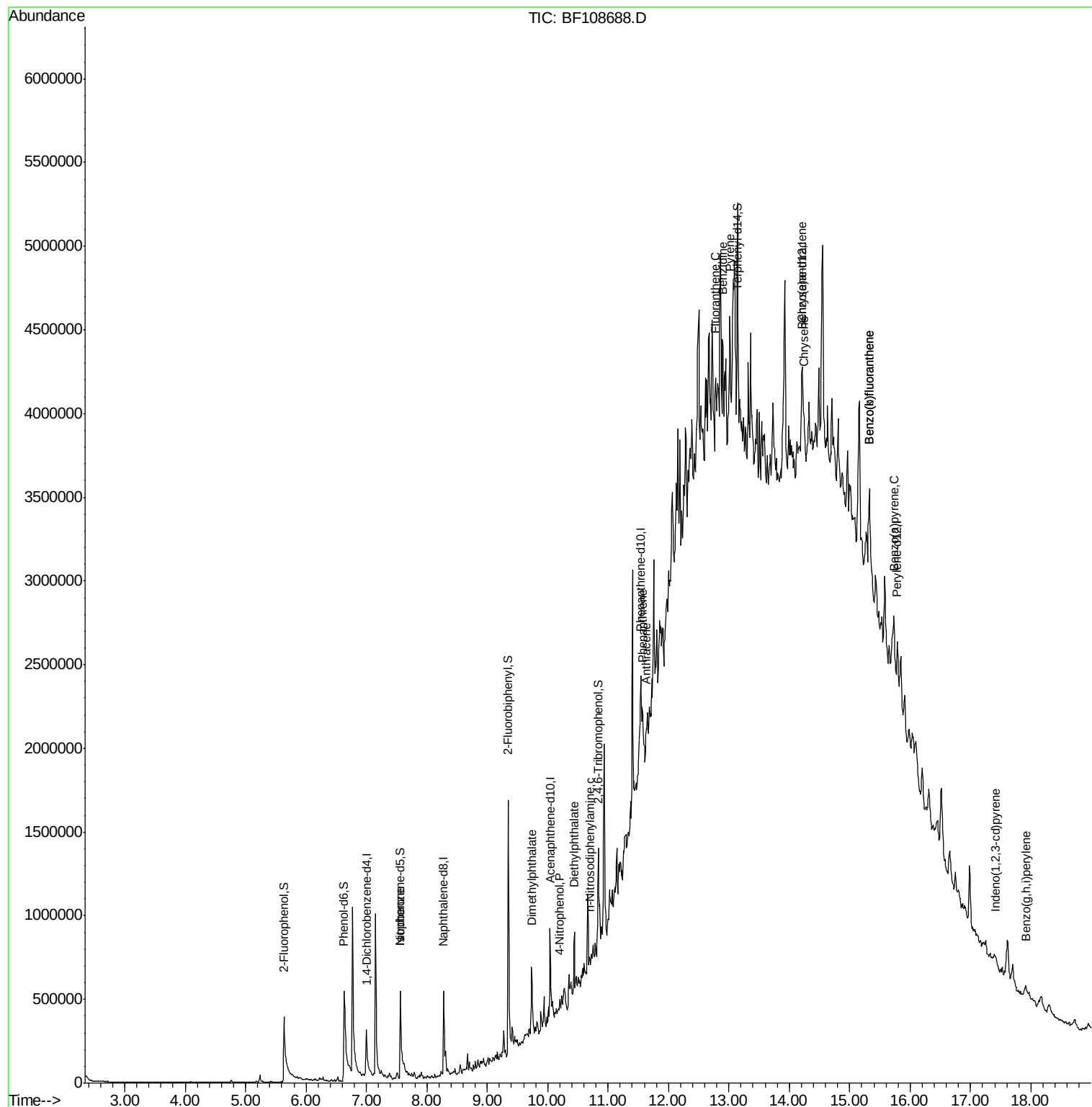
Target Compounds				Qvalue		
25) Isophorone	7.56	82	371189	30.872	ng	# 65
49) Dimethylphthalate	9.74	163	124627	10.577	ng	# 98
55) 4-Nitrophenol	10.21	139	350	4.943	ng	# 1
59) Diethylphthalate	10.44	149	36131	3.044	ng	# 78
65) n-Nitrosodiphenylamine	10.70	169	24184	3.250	ng	# 44
70) Phenanthrene	11.57	178	81954	7.249	ng	# 82
71) Anthracene	11.62	178	23903	2.012	ng	# 46
74) Fluoranthene	12.78	202	161677	12.705	ng	# 87
76) Benzidine	12.89	184	16217	2.804	ng	# 1
77) Pyrene	13.01	202	182837	11.836	ng	# 89
80) Benzo(a)anthracene	14.20	228	108495	8.661	ng	# 78
82) Chrysene	14.24	228	124891	10.367	ng	# 80
85) Indeno(1,2,3-cd)pyrene	17.41	276	57945	6.917	ng	# 82
87) Benzo(b)fluoranthene	15.32	252	201201	14.707	ng	# 64
88) Benzo(k)fluoranthene	15.32	252	201201	14.846	ng	# 67
89) Benzo(a)pyrene	15.72	252	106132	8.584	ng	# 68
91) Benzo(a,h,i)perylene	17.91	276	50487	5.261	ng	# 89

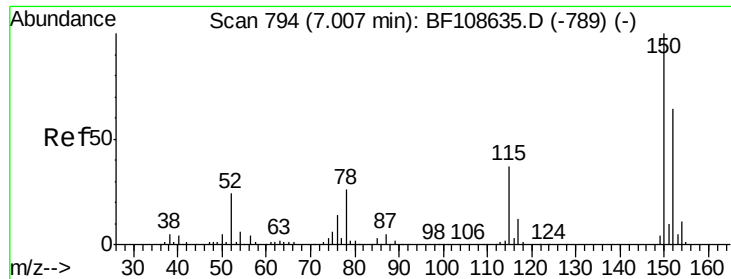
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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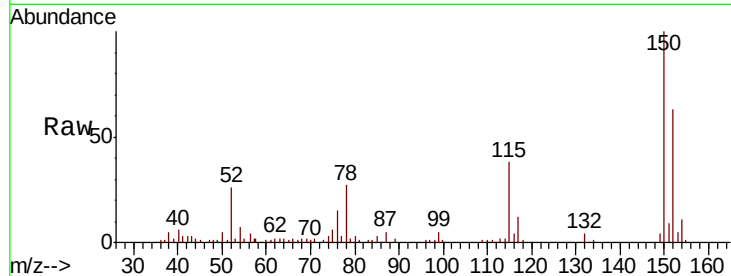


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108688.D
Acq: 31 Aug 2018 14:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	124.6	186.8
115	60.5	50.1	75.1

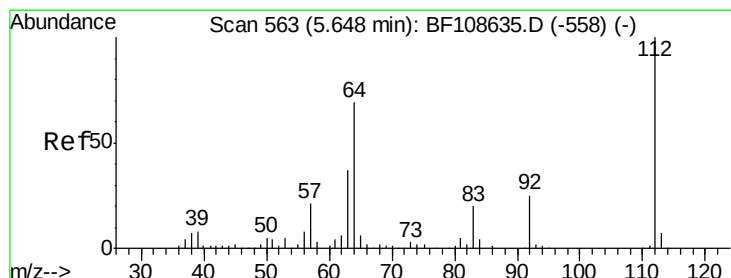
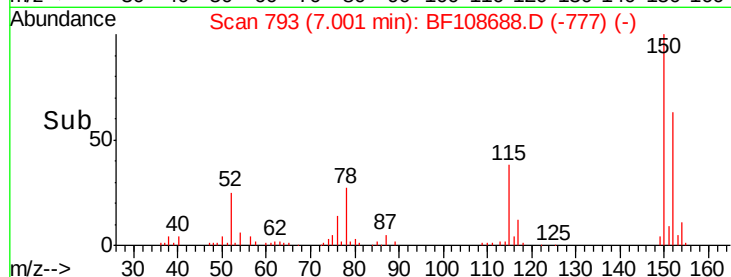
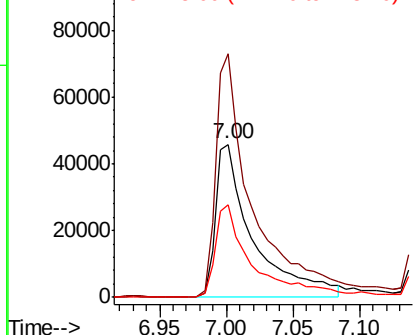


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

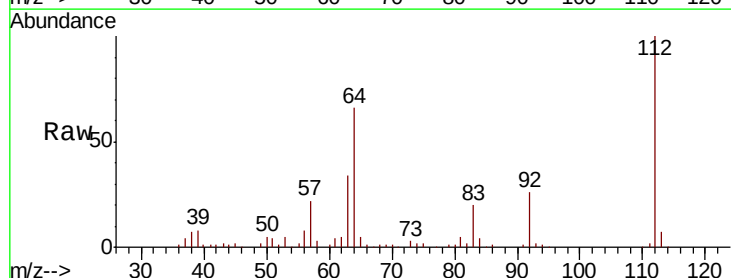
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 63.738 ng
RT: 5.64 min Scan# 561
Delta R.T. -0.01 min
Lab File: BF108688.D
Acq: 31 Aug 2018 14:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.1	47.9	71.9
63	33.7	23.7	35.5

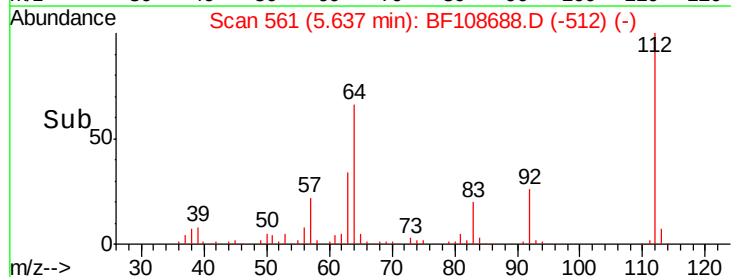
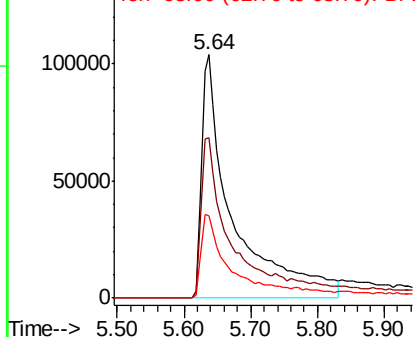


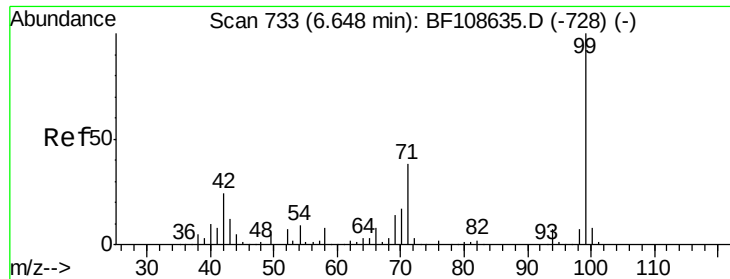
Abundance

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: 77.160 ng

RT: 6.63 min Scan# 730

Delta R.T. -0.02 min

Lab File: BF108688.D

Acq: 31 Aug 2018 14:52

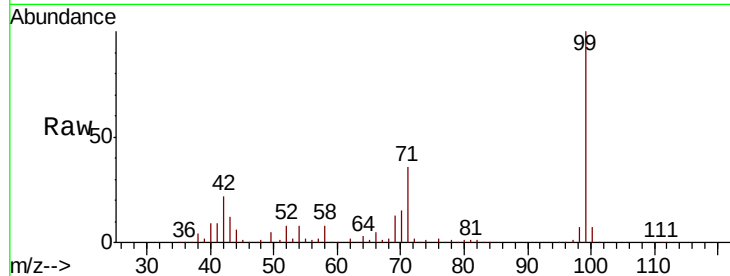
Instrument :

BNA_F

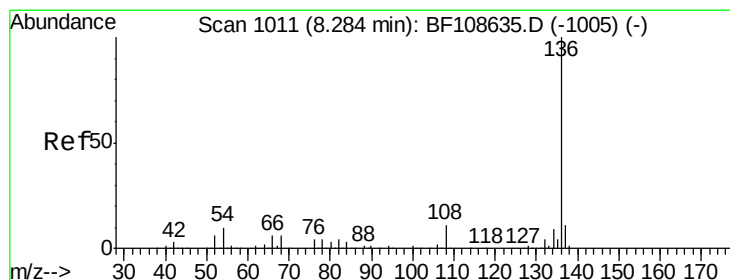
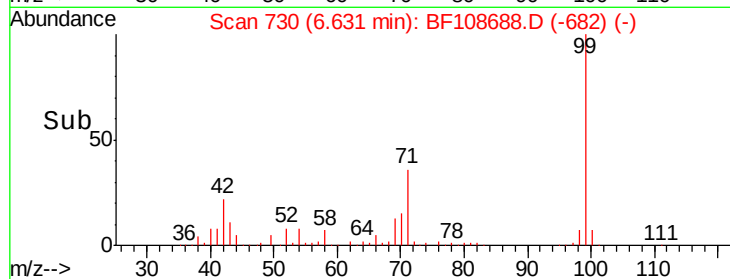
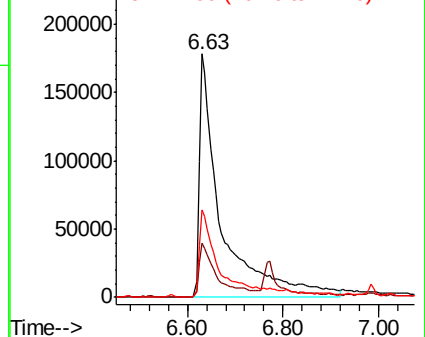
ClientSampled :

Tot Ion: 99 Resp: 573970

Ion	Ratio	Lower	Upper
99	100		
42	22.3	14.5	21.7#
71	35.7	25.4	38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.28 min Scan# 1010

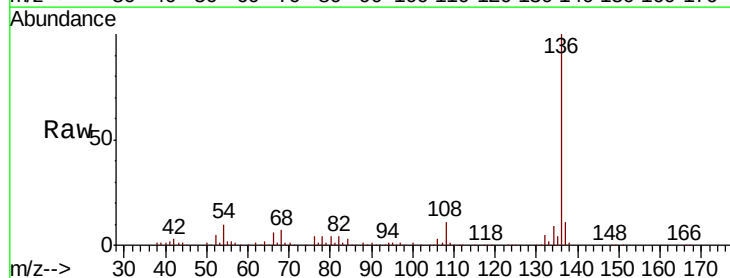
Delta R.T. -0.01 min

Lab File: BF108688.D

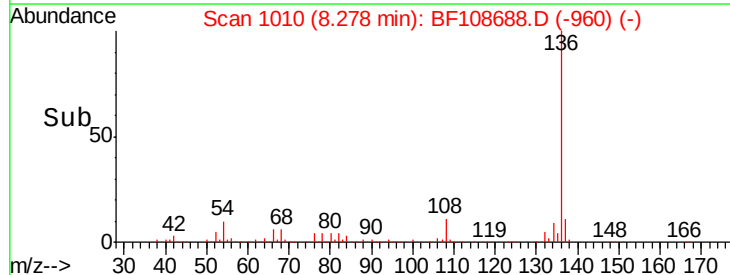
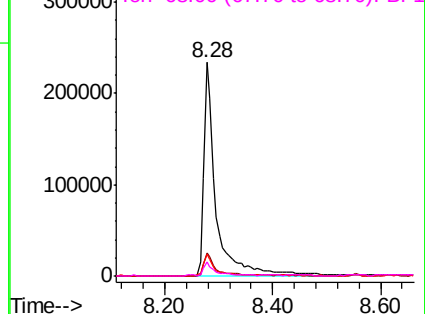
Acq: 31 Aug 2018 14:52

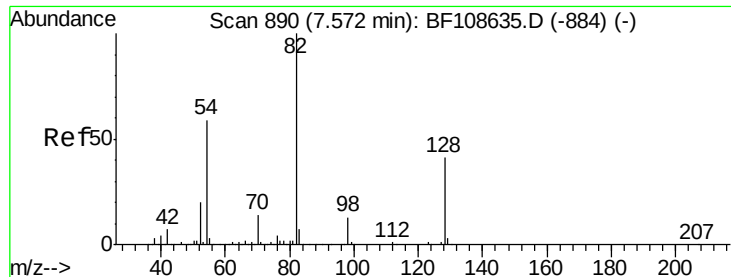
Tgt Ion: 136 Resp: 367386

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	10.3	6.6	9.8#
68	6.6	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

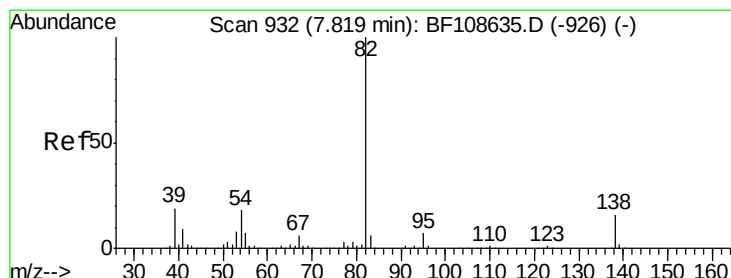
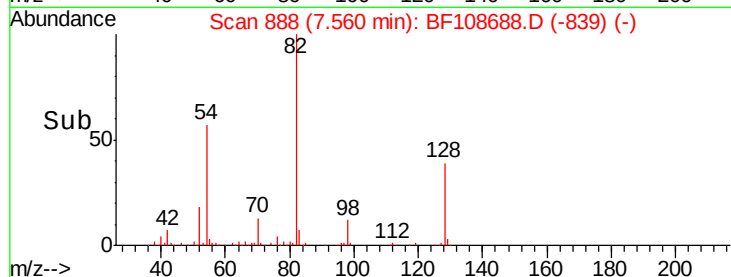
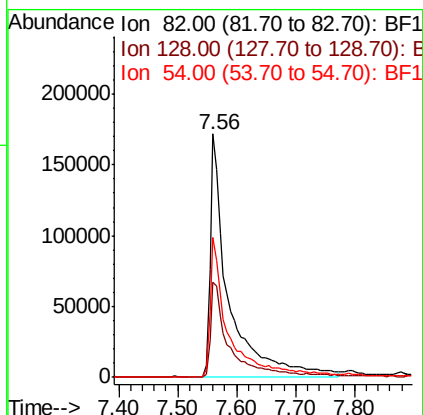
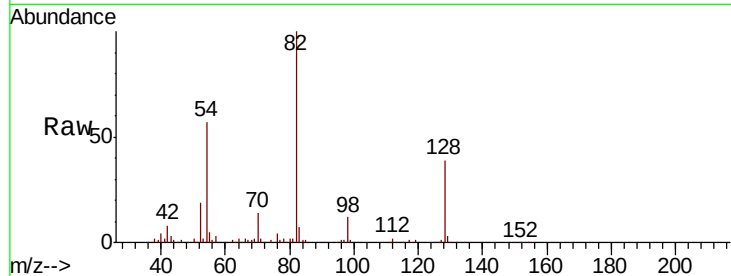




#23
Nitrobenzene-d5
Concen: 51.536 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF108688.D
Acq: 31 Aug 2018 14:52

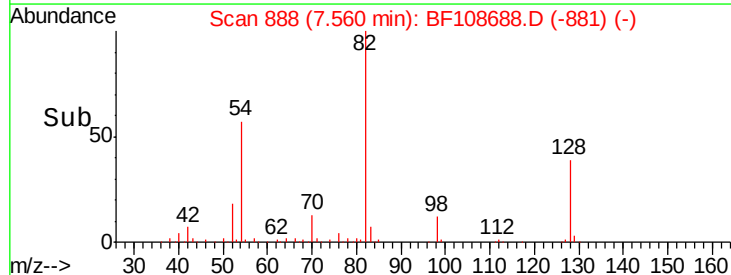
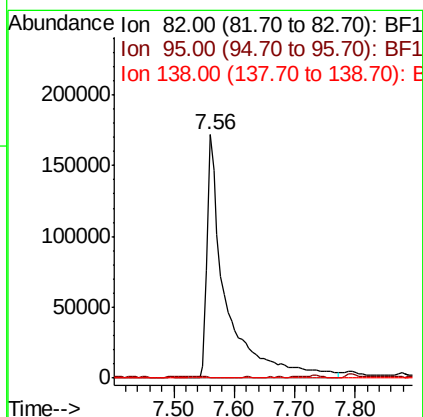
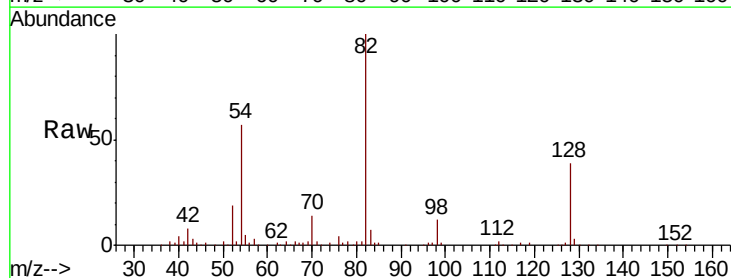
Instrument :
BNA_F
ClientSampled :

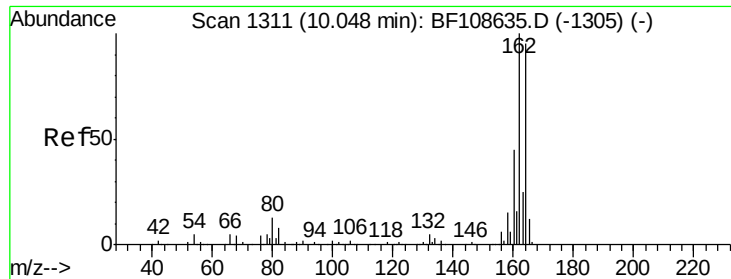
Tot Ion	82	Resp	373012
Ion Ratio	Lower	Upper	
82	100		
128	39.1	36.1	54.1
54	57.4	41.4	62.2



#25
Isophorone
Concen: 30.872 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.26 min
Lab File: BF108688.D
Acq: 31 Aug 2018 14:52

Tgt Ion	82	Resp	371189
Ion Ratio	Lower	Upper	
82	100		
95	0.4	5.2	7.8#
138	0.0	14.9	22.3#

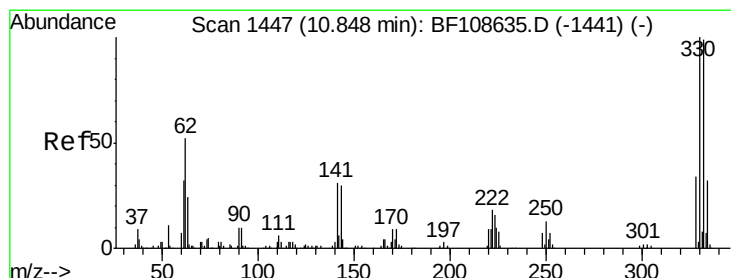
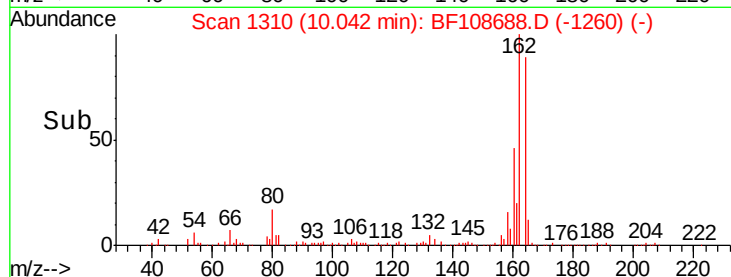
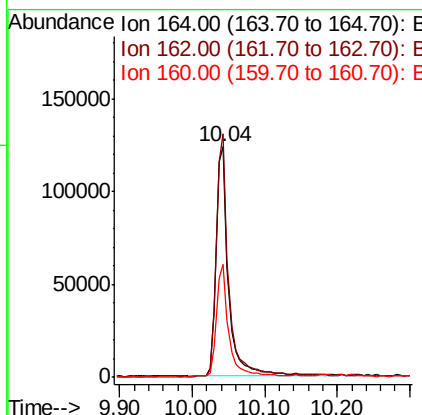
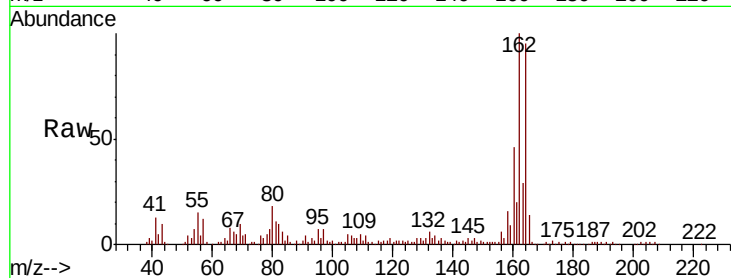




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF108688.D
Acq: 31 Aug 2018 14:52

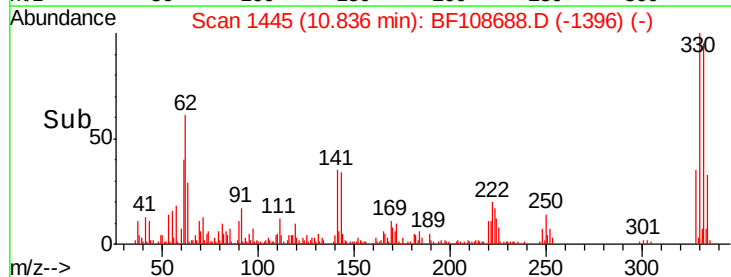
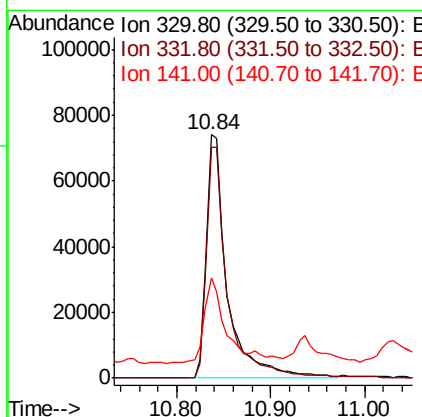
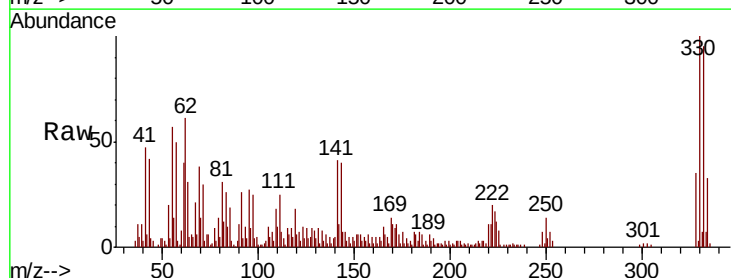
Instrument :
BNA_F
ClientSampleId :

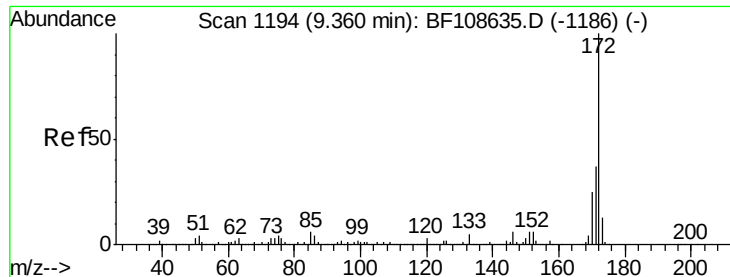
Tot Ion:164 Resp: 149625
Ion Ratio Lower Upper
164 100
162 105.6 86.1 129.1
160 49.0 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 58.870 ng
RT: 10.84 min Scan# 1445
Delta R.T. -0.01 min
Lab File: BF108688.D
Acq: 31 Aug 2018 14:52

Tgt Ion:330 Resp: 116282
Ion Ratio Lower Upper
330 100
332 96.8 77.0 115.6
141 33.2 29.9 44.9





#44

2-Fluorobiphenyl

Concen: 60.451 ng

RT: 9.35 min Scan# 1192

Delta R.T. -0.01 min

Lab File: BF108688.D

Acq: 31 Aug 2018 14:52

Instrument :

BNA_F

ClientSampleId :

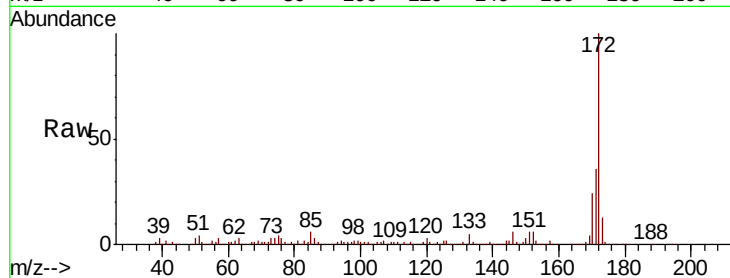
Tot Ion:172 Resp: 672698

Ion Ratio Lower Upper

172 100

171 35.5 29.7 44.5

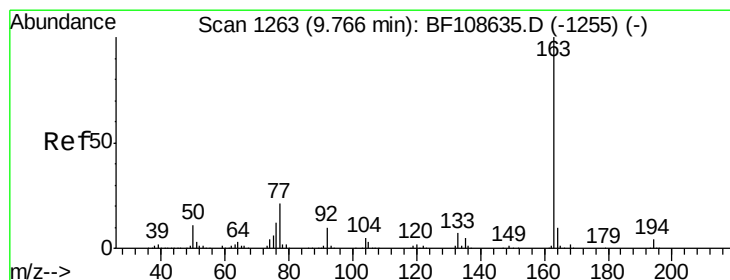
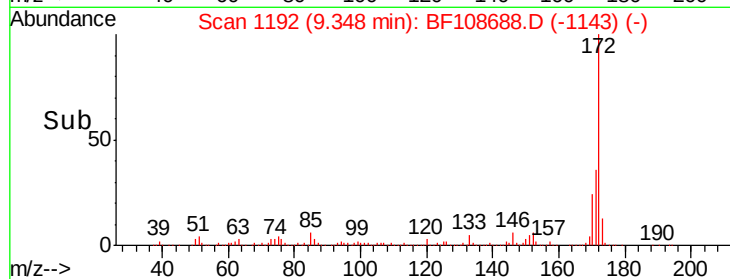
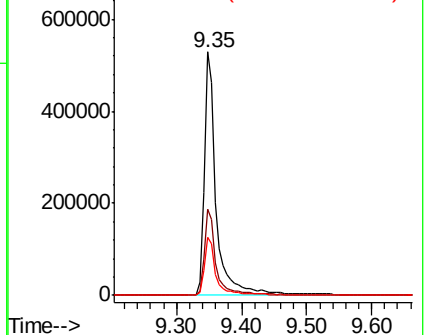
170 23.9 19.6 29.4



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: 10.577 ng

RT: 9.74 min Scan# 1259

Delta R.T. -0.02 min

Lab File: BF108688.D

Acq: 31 Aug 2018 14:52

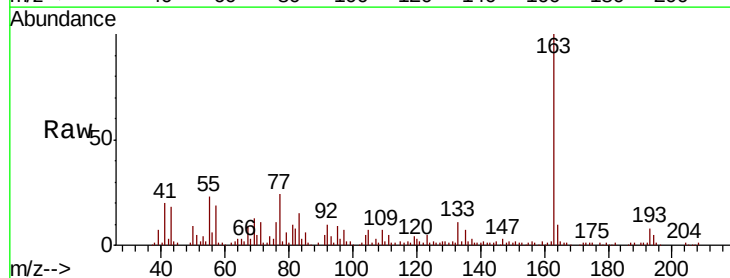
Tgt Ion:163 Resp: 124627

Ion Ratio Lower Upper

163 100

194 5.3 2.7 4.1#

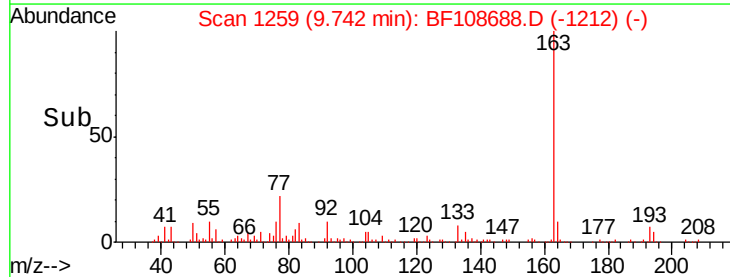
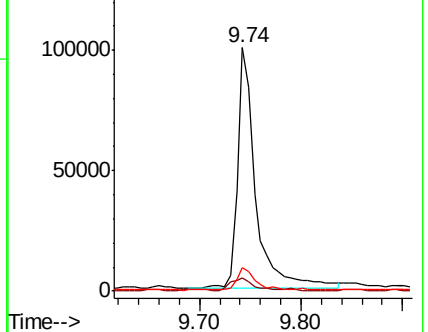
164 9.8 8.2 12.2

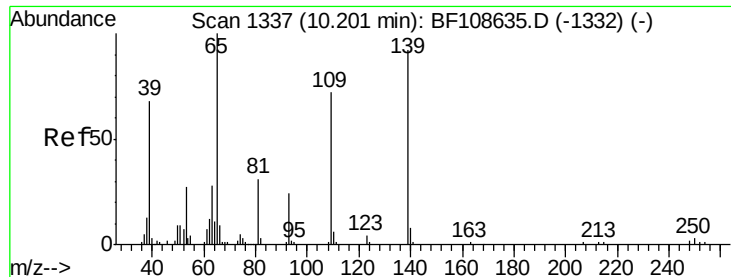


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

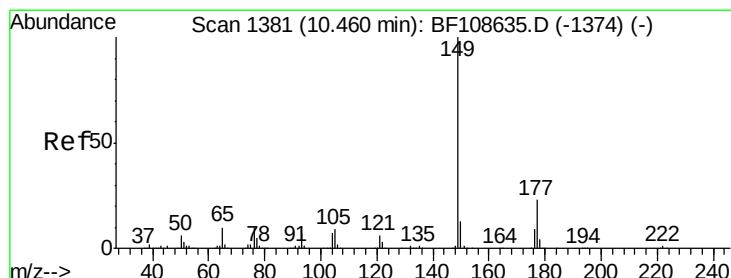
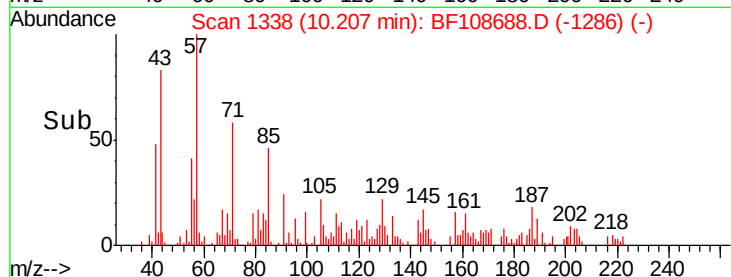
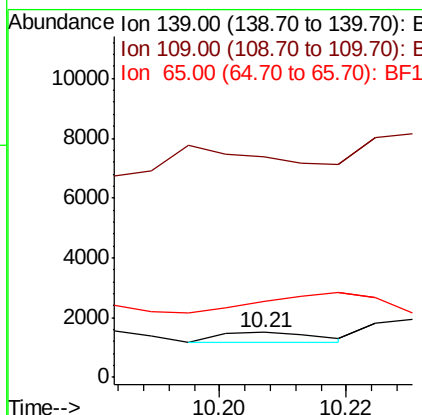
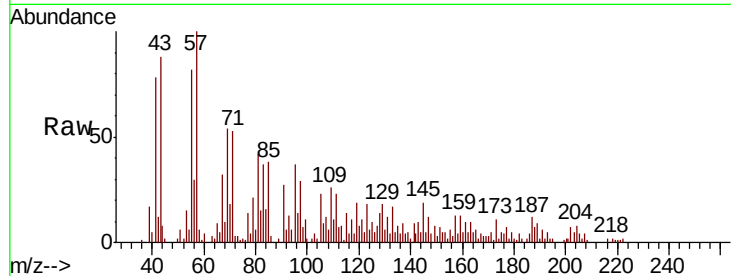




#55
4-Nitrophenol
Concen: 4.943 ng
RT: 10.21 min Scan# 1338
Delta R.T. 0.01 min
Lab File: BF108688.D
Acq: 31 Aug 2018 14:52

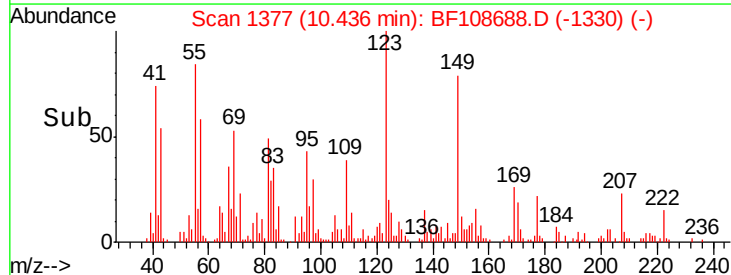
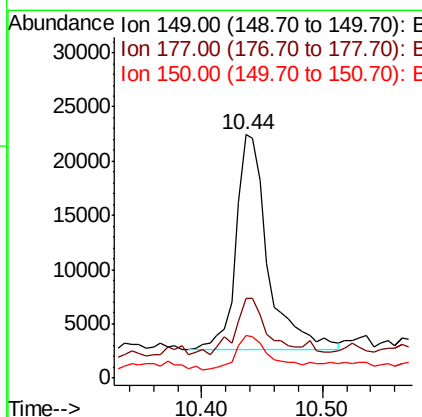
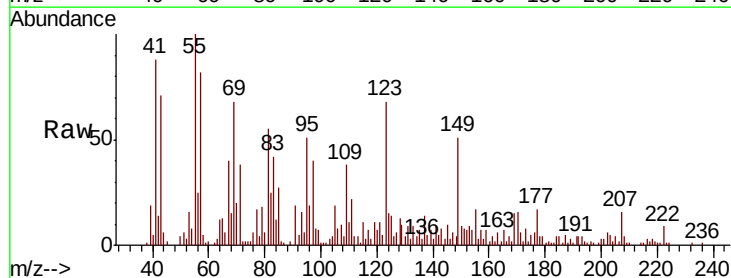
Instrument :
BNA_F
ClientSampled :

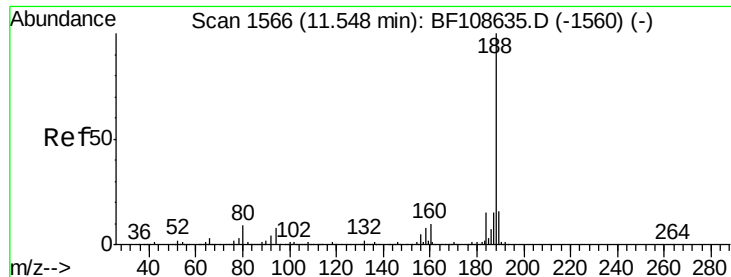
Tot Ion:139 Resp: 350
Ion Ratio Lower Upper
139 100
109 493.1 48.4 88.4#
65 171.1 72.6 112.6#



#59
Diethylphthalate
Concen: 3.044 ng
RT: 10.44 min Scan# 1377
Delta R.T. -0.02 min
Lab File: BF108688.D
Acq: 31 Aug 2018 14:52

Tgt Ion:149 Resp: 36131
Ion Ratio Lower Upper
149 100
177 33.0 16.1 24.1#
150 17.3 10.1 15.1#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.54 min Scan# 1565

Delta R.T. -0.01 min

Lab File: BF108688.D

Acq: 31 Aug 2018 14:52

Instrument :

BNA_F

ClientSampled :

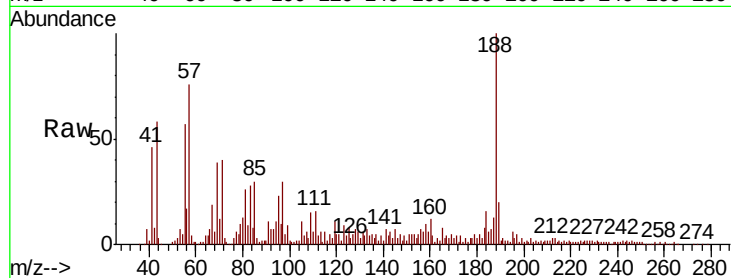
Tot Ion:188 Resp: 223975

Ion Ratio Lower Upper

188 100

94 11.3 8.5 12.7

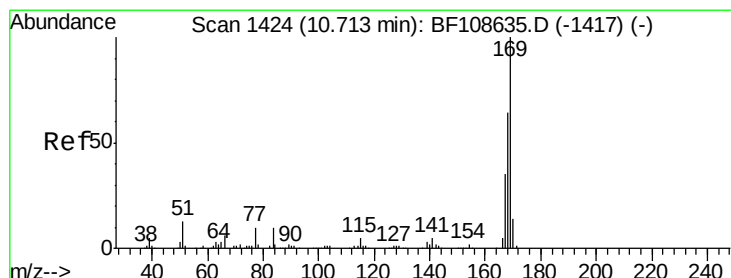
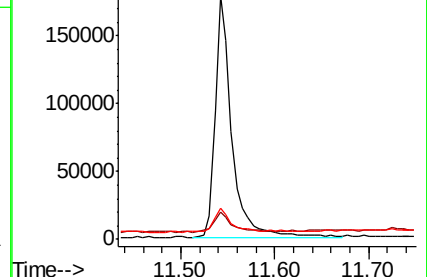
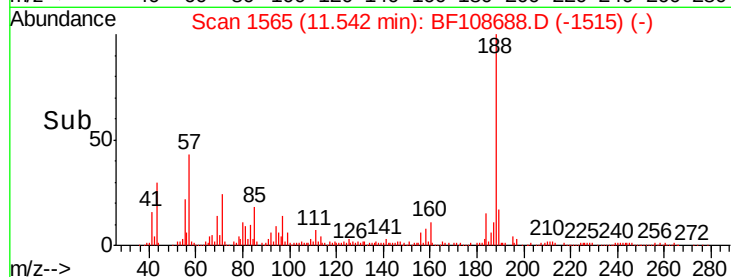
80 12.8 9.2 13.8



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



#65

n-Nitrosodiphenylamine

Concen: 3.250 ng

RT: 10.70 min Scan# 1421

Delta R.T. -0.02 min

Lab File: BF108688.D

Acq: 31 Aug 2018 14:52

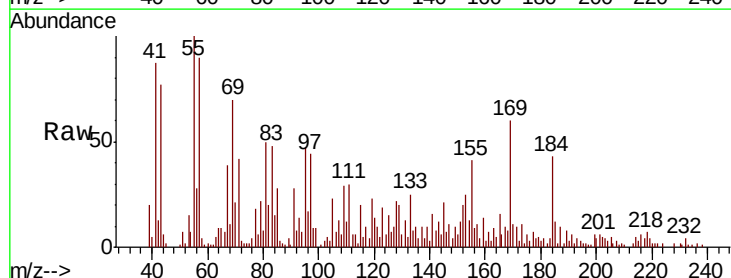
Tgt Ion:169 Resp: 24184

Ion Ratio Lower Upper

169 100

168 13.4 54.4 81.6#

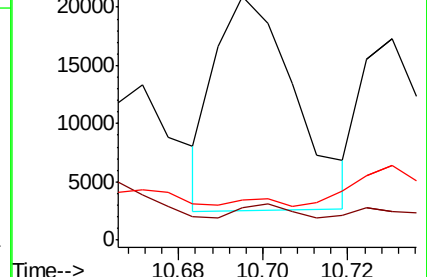
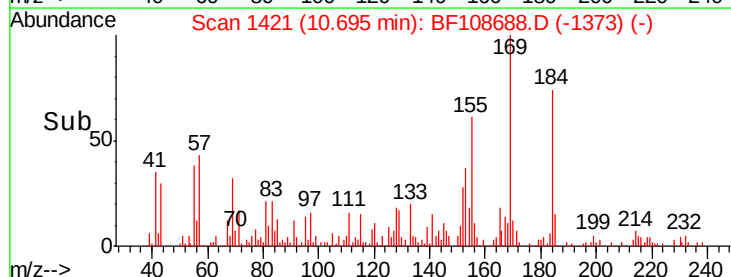
167 16.4 29.8 44.6#

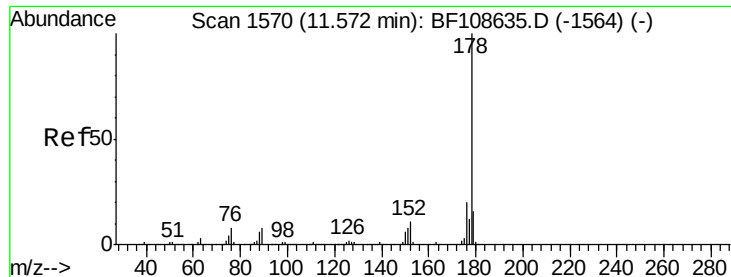


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 7.249 ng

RT: 11.57 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF108688.D

Acq: 31 Aug 2018 14:52

Instrument :

BNA_F

ClientSampleId :

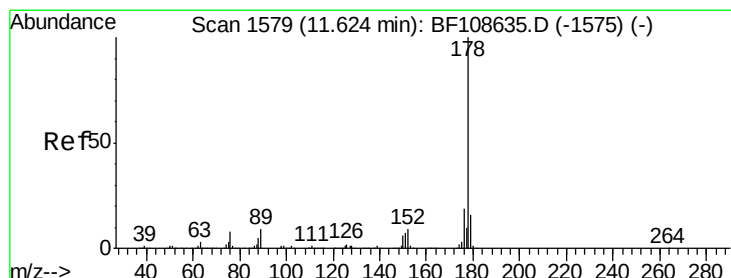
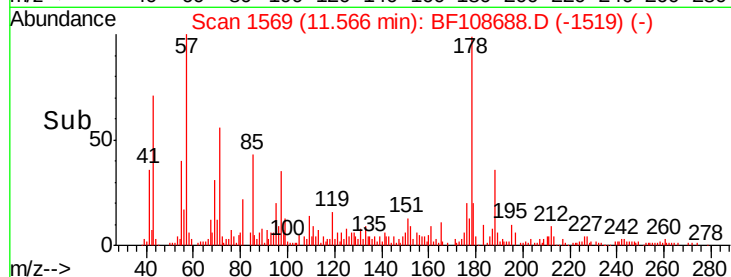
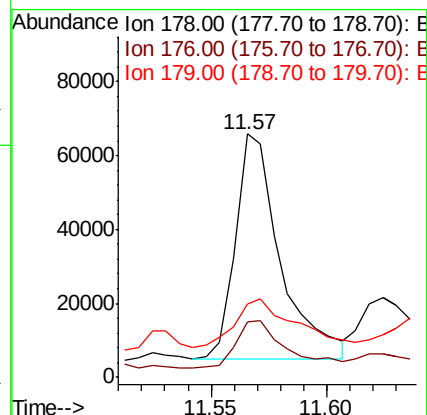
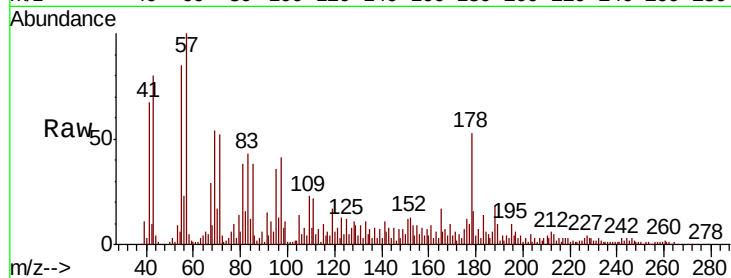
Tot Ion:178 Resp: 81954

Ion Ratio Lower Upper

178 100

176 22.7 15.8 23.8

179 29.9 13.0 19.6#



#71

Anthracene

Concen: 2.012 ng

RT: 11.62 min Scan# 1579

Delta R.T. -0.00 min

Lab File: BF108688.D

Acq: 31 Aug 2018 14:52

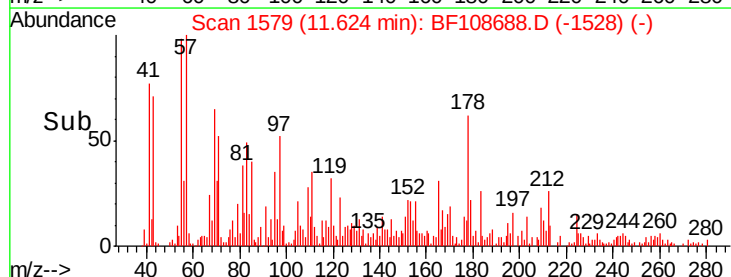
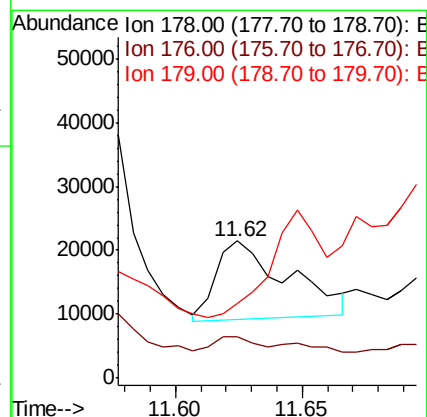
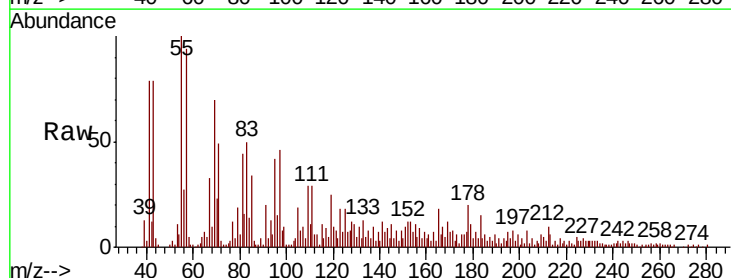
Tgt Ion:178 Resp: 23903

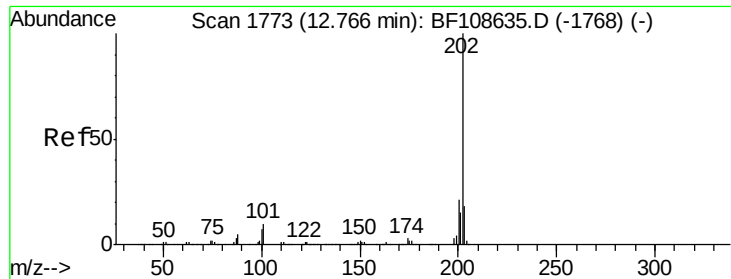
Ion Ratio Lower Upper

178 100

176 30.0 15.4 23.2#

179 54.1 12.6 19.0#

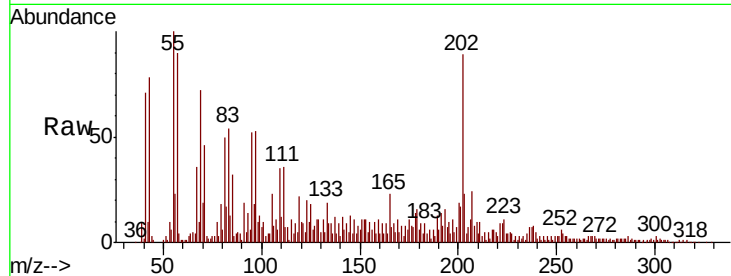




#74
Fluoranthene
Concen: 12.705 ng
RT: 12.78 min Scan# 1775
Delta R.T. 0.01 min
Lab File: BF108688.D
Acq: 31 Aug 2018 14:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	34.1
203	26.1	0.0	38.1

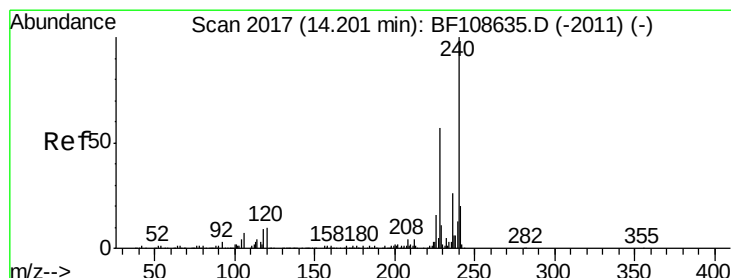
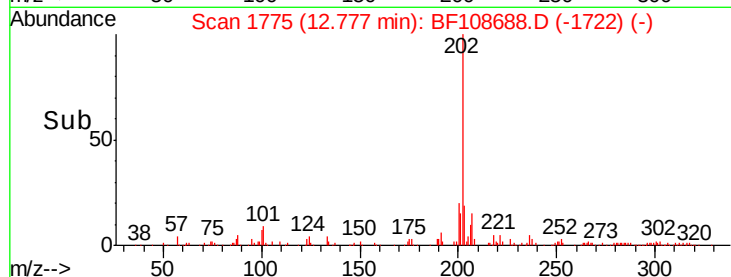
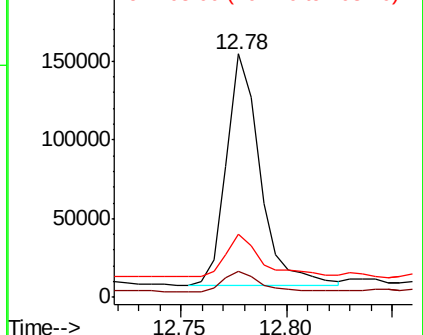


Abundance

Ion 202.00 (201.70 to 202.70): E

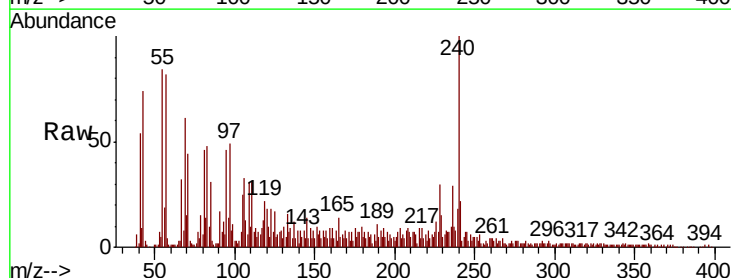
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.21 min Scan# 2019
Delta R.T. 0.01 min
Lab File: BF108688.D
Acq: 31 Aug 2018 14:52

Tgt Ion	Ratio	Lower	Upper
240	100		
120	18.0	9.5	14.3#
236	29.2	20.7	31.1

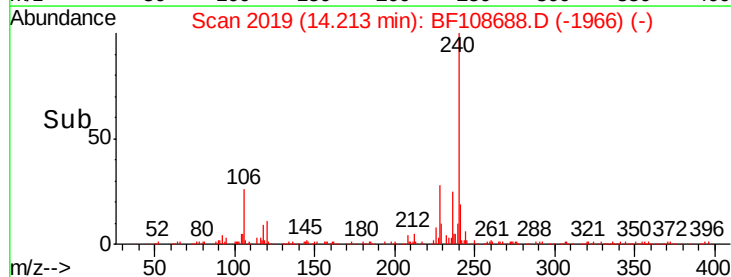
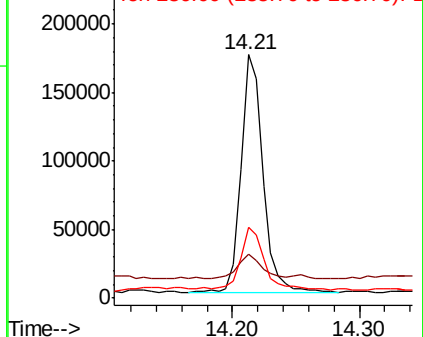


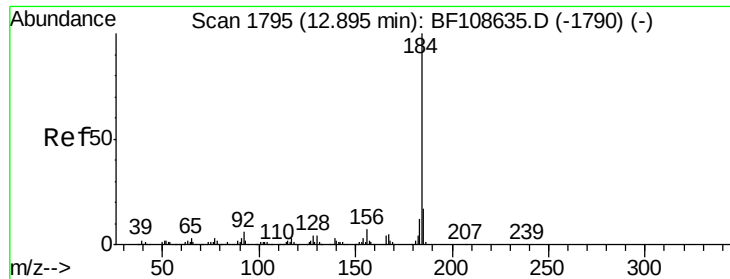
Abundance

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





#76

Benzidine

Concen: 2.804 ng

RT: 12.89 min Scan# 1795

Delta R.T. -0.00 min

Lab File: BF108688.D

Acq: 31 Aug 2018 14:52

Instrument :

BNA_F

ClientSampled :

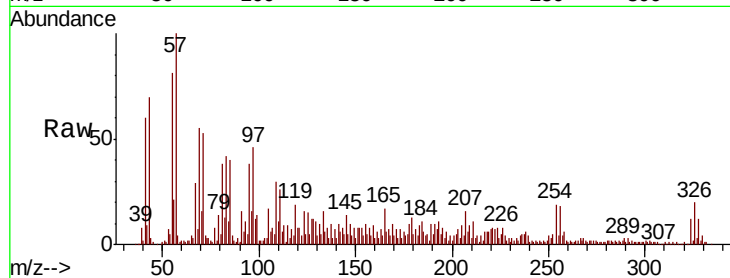
Tot Ion:184 Resp: 16217

Ion Ratio Lower Upper

184 100

185 56.0 12.6 18.8#

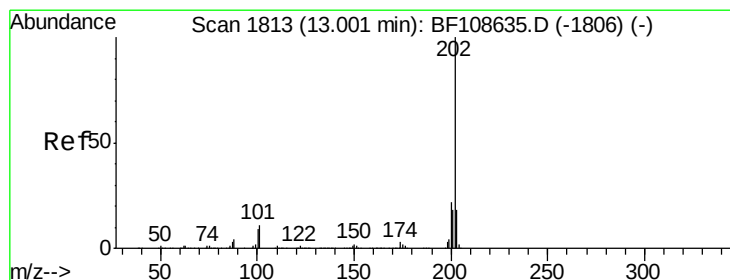
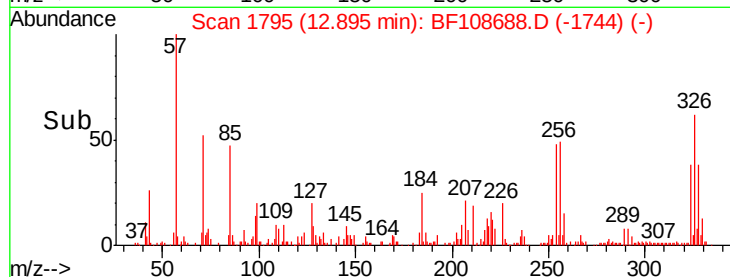
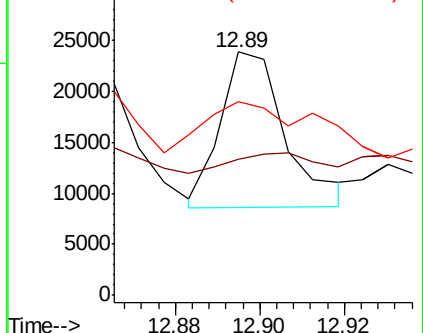
183 79.5 9.3 13.9#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 11.836 ng

RT: 13.01 min Scan# 1815

Delta R.T. 0.01 min

Lab File: BF108688.D

Acq: 31 Aug 2018 14:52

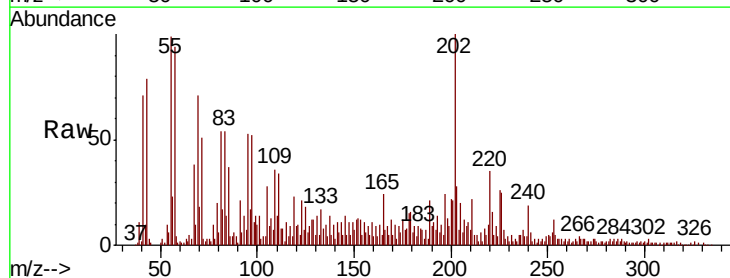
Tgt Ion:202 Resp: 182837

Ion Ratio Lower Upper

202 100

200 21.9 17.4 26.2

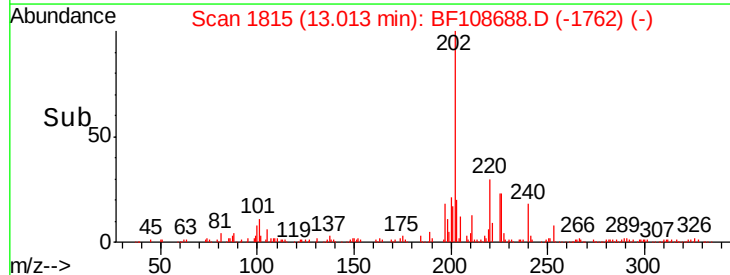
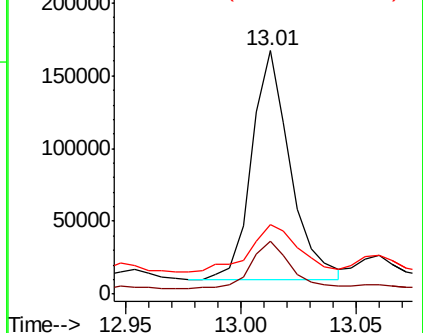
203 28.4 14.3 21.5#

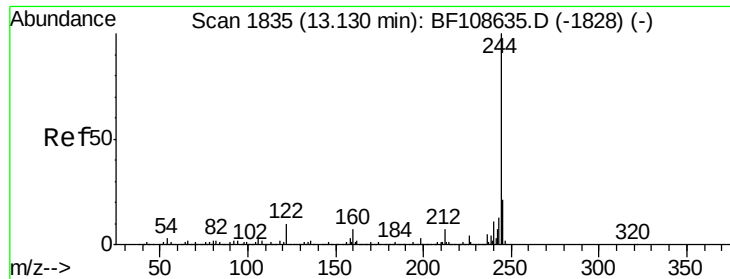


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 43.779 ng

RT: 13.14 min Scan# 1837

Delta R.T. 0.01 min

Lab File: BF108688.D

Acq: 31 Aug 2018 14:52

Instrument :

BNA_F

ClientSampled :

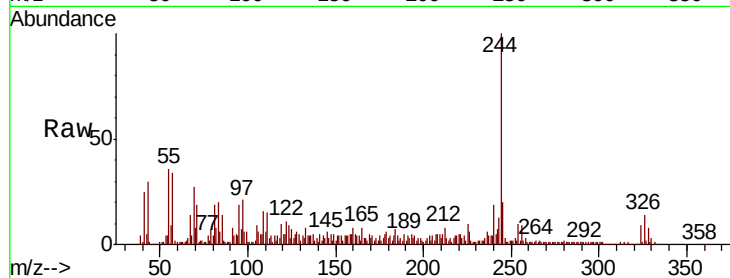
Tot Ion:244 Resp: 463024

Ion Ratio Lower Upper

244 100

212 7.9 5.4 8.0

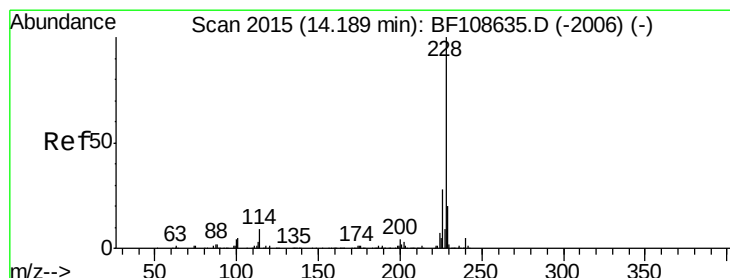
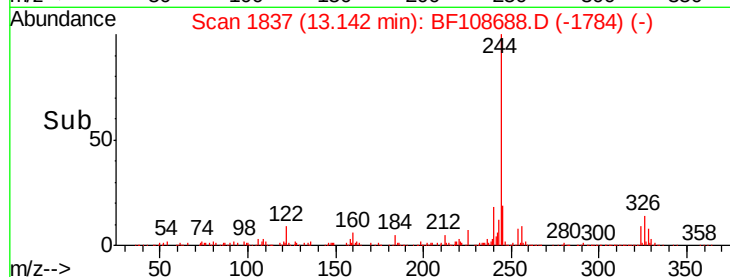
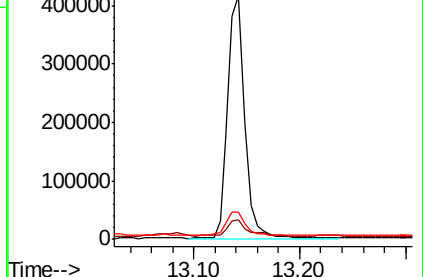
122 11.0 11.0 16.4



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



#80

Benzo(a)anthracene

Concen: 8.661 ng

RT: 14.20 min Scan# 2017

Delta R.T. 0.01 min

Lab File: BF108688.D

Acq: 31 Aug 2018 14:52

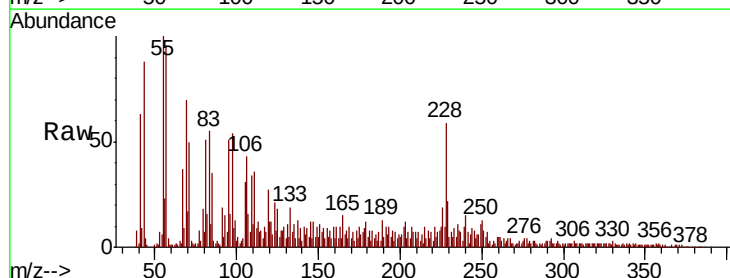
Tgt Ion:228 Resp: 108495

Ion Ratio Lower Upper

228 100

226 32.7 22.6 33.8

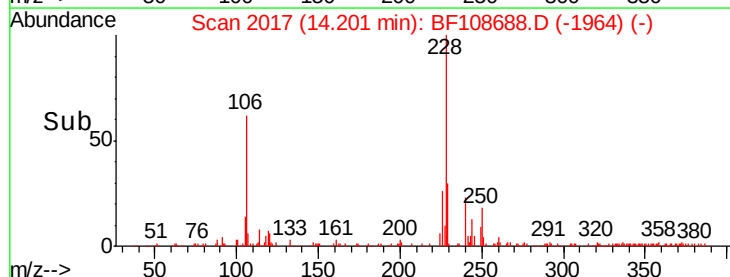
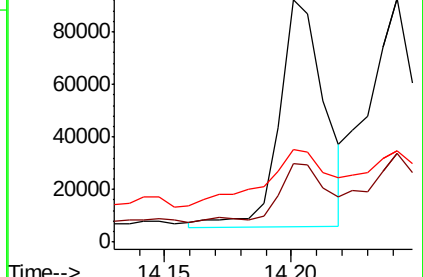
229 38.0 15.8 23.6#

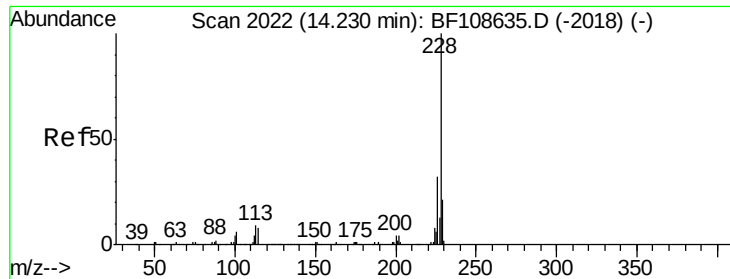


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

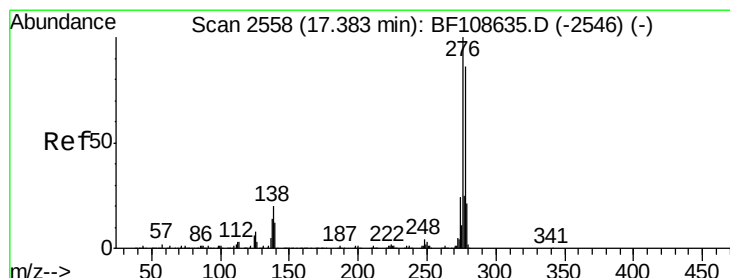
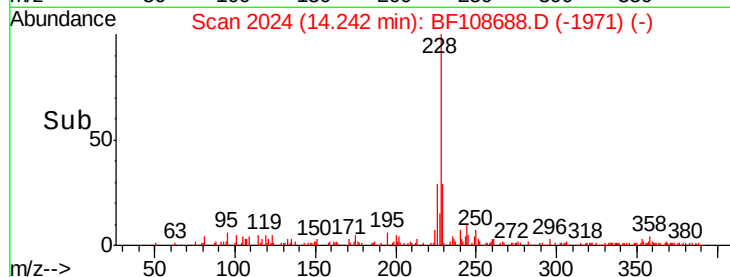
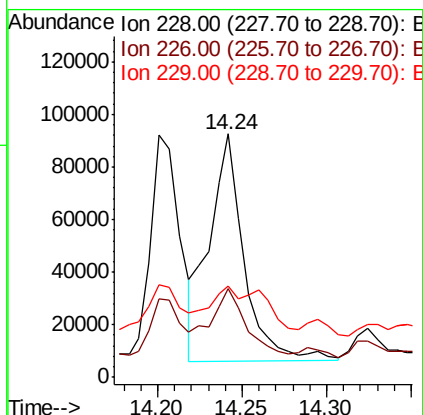
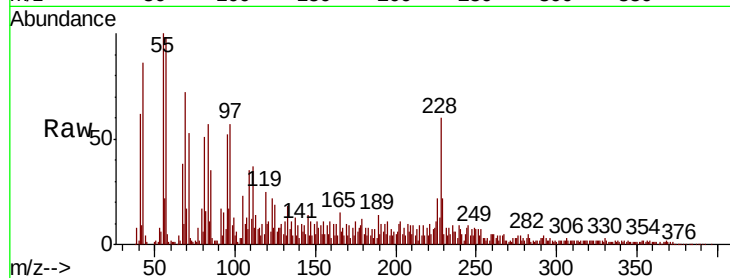




#82
Chrysene
Concen: 10.367 ng
RT: 14.24 min Scan# 2024
Delta R.T. 0.01 min
Lab File: BF108688.D
Acq: 31 Aug 2018 14:52

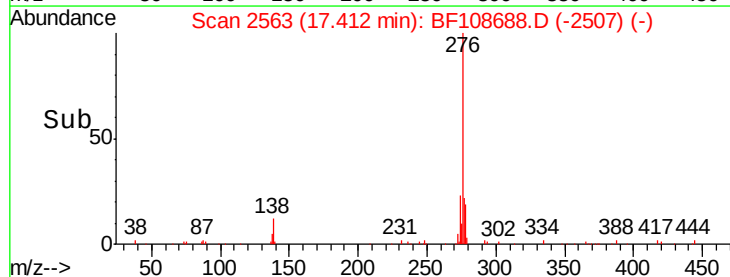
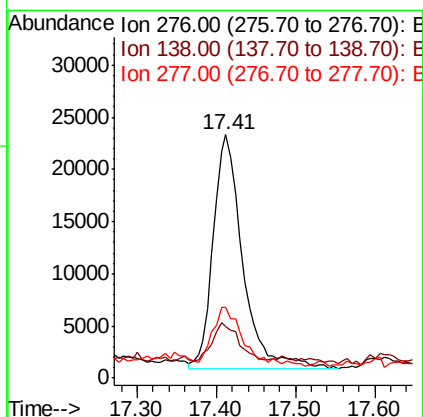
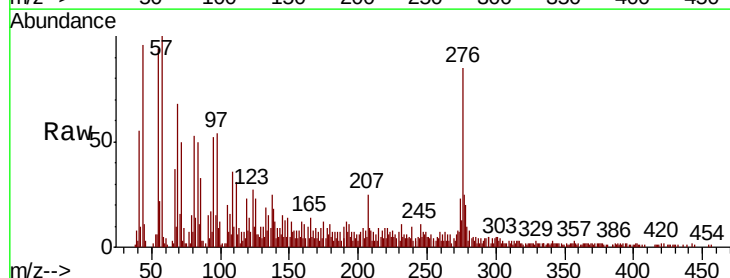
Instrument :
BNA_F
ClientSampleId :

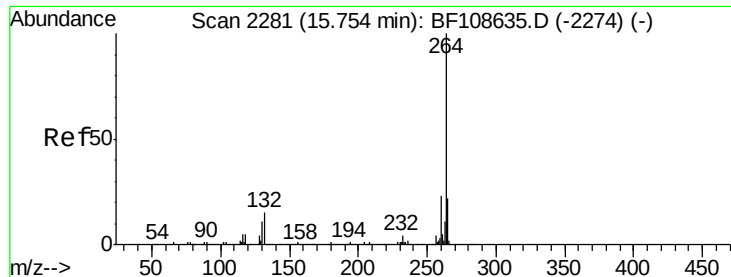
Tot Ion	Ratio	Lower	Upper
228	100		
226	36.2	25.0	37.6
229	37.3	16.2	24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 6.917 ng
RT: 17.41 min Scan# 2563
Delta R.T. 0.03 min
Lab File: BF108688.D
Acq: 31 Aug 2018 14:52

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.7	25.0	37.6
277	23.3	20.1	30.1

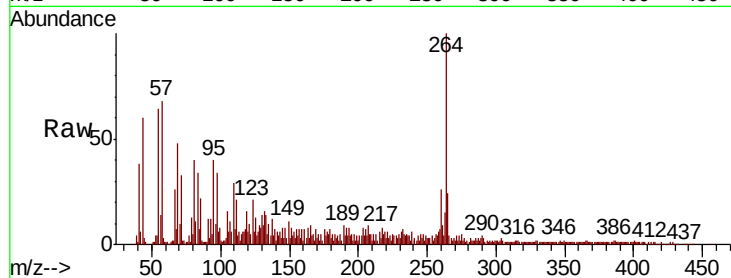




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.79 min Scan# 2287
Delta R.T. 0.04 min
Lab File: BF108688.D
Acq: 31 Aug 2018 14:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.7	19.2	28.8
265	23.7	17.5	26.3

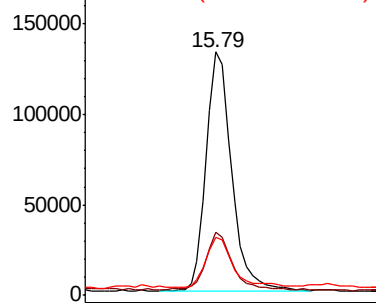


Abundance

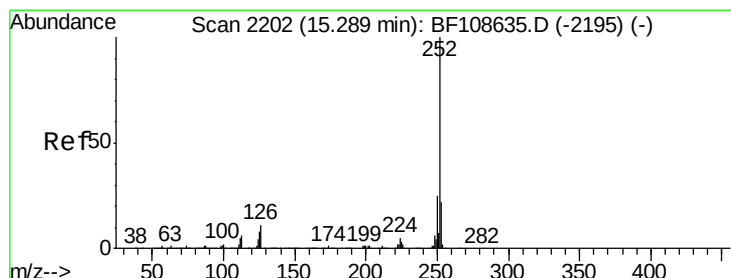
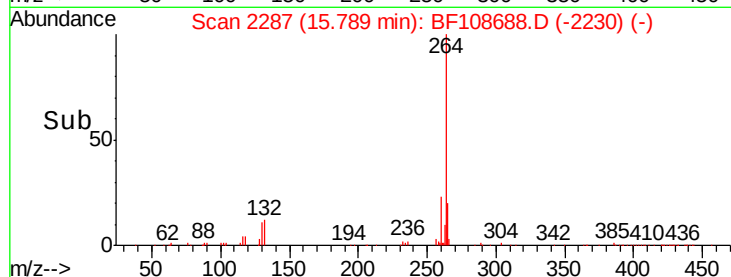
Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

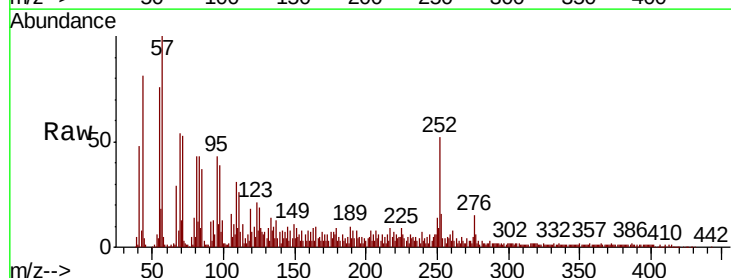


Time-->



#87
Benzo(b)fluoranthene
Concen: 14.707 ng
RT: 15.32 min Scan# 2207
Delta R.T. 0.03 min
Lab File: BF108688.D
Acq: 31 Aug 2018 14:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.2	17.0	25.6#
125	35.8	9.0	13.6#

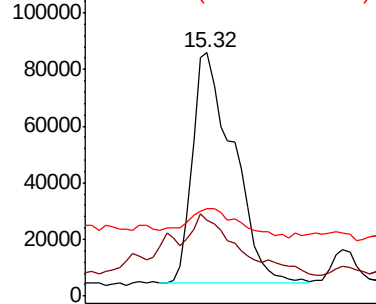


Abundance

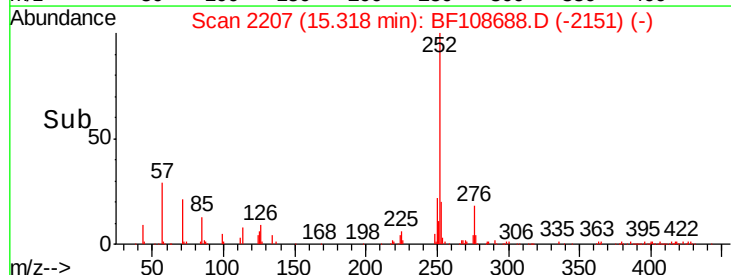
Ion 252.00 (251.70 to 252.70): E

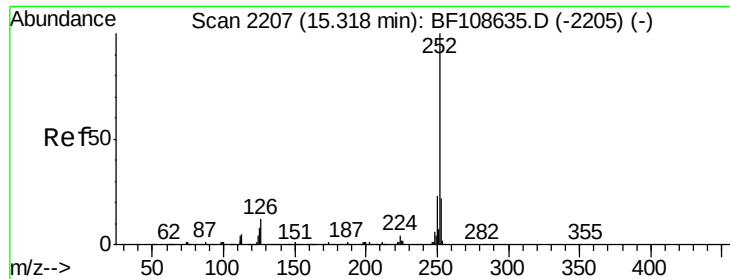
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->

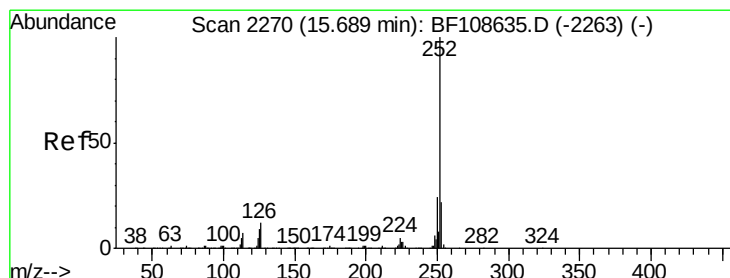
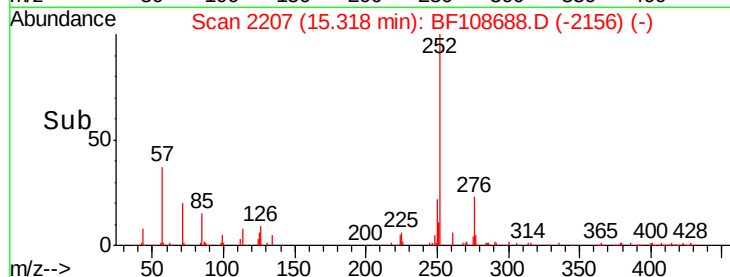
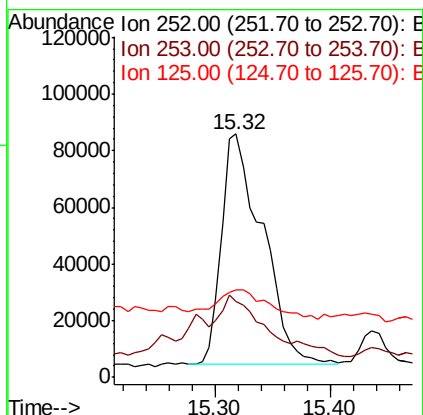
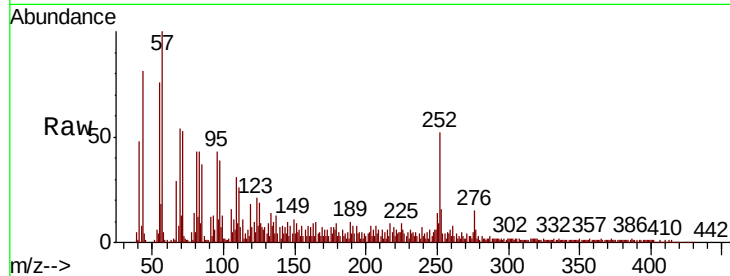




#88
Benzo(k)fluoranthene
Concen: 14.846 ng
RT: 15.32 min Scan# 2207
Delta R.T. -0.00 min
Lab File: BF108688.D
Acq: 31 Aug 2018 14:52

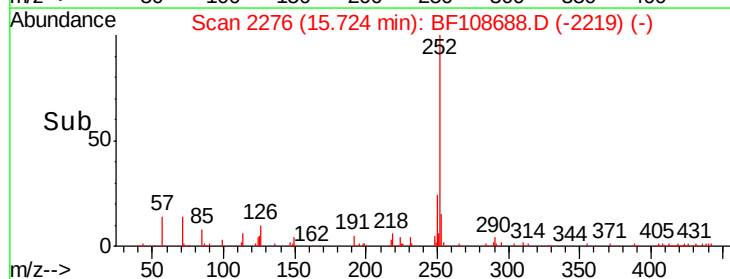
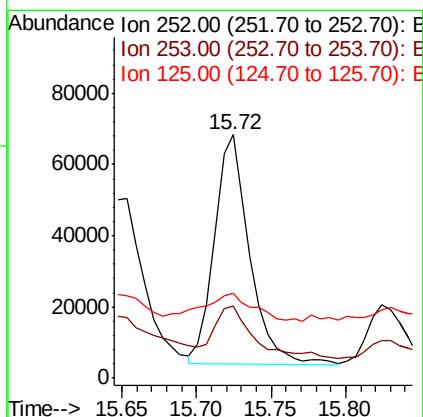
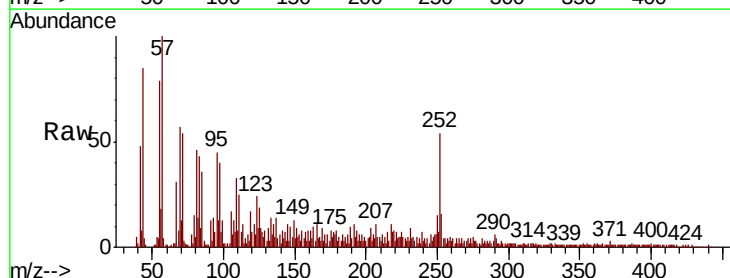
Instrument :
BNA_F
ClientSampled :

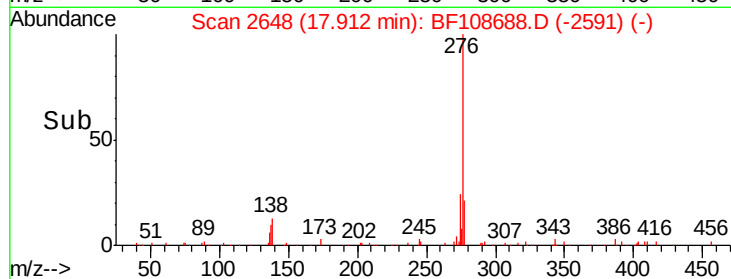
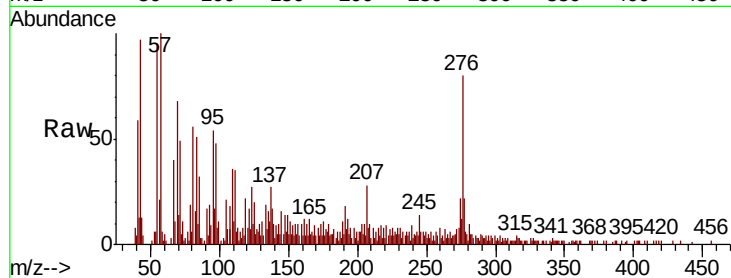
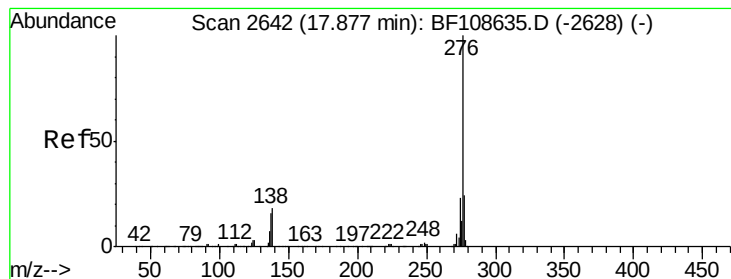
Tot Ion	Ratio	Lower	Upper
252	100		
253	31.2	17.9	26.9#
125	35.8	10.2	15.2#



#89
Benzo(a)pyrene
Concen: 8.584 ng
RT: 15.72 min Scan# 2276
Delta R.T. 0.04 min
Lab File: BF108688.D
Acq: 31 Aug 2018 14:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.5	17.1	25.7#
125	35.1	9.8	14.6#





#91

Benzo(a,h,i)perylene

Concen: 5.261 ng

RT: 17.91 min Scan# 2648

Delta R.T. 0.04 min

Lab File: BF108688.D

Acq: 31 Aug 2018 14:52

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 50487

Ion Ratio Lower Upper

276 100

277 27.7 17.9 26.9#

138 21.8 21.8 32.8#

