

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082918\
 Data File : BF108604.D
 Acq On : 29 Aug 2018 15:05
 Operator : JU/SJ
 Sample : J4661-02 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 29 15:59:17 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 22 11:01:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	129824	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	518644	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	241431	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	401998	20.00	ng	0.00
75) Chrysene-d12	14.20	240	269448	20.00	ng	0.00
86) Perylene-d12	15.76	264	281267	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.63	112	189747	26.46	ng	0.00
7) Phenol-d6	6.62	99	315627	33.12	ng	0.00
23) Nitrobenzene-d5	7.56	82	206283	22.19	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	68324	28.37	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	280291	18.64	ng	-0.01
78) Terphenyl-d14	13.12	244	180742	17.06	ng	0.00

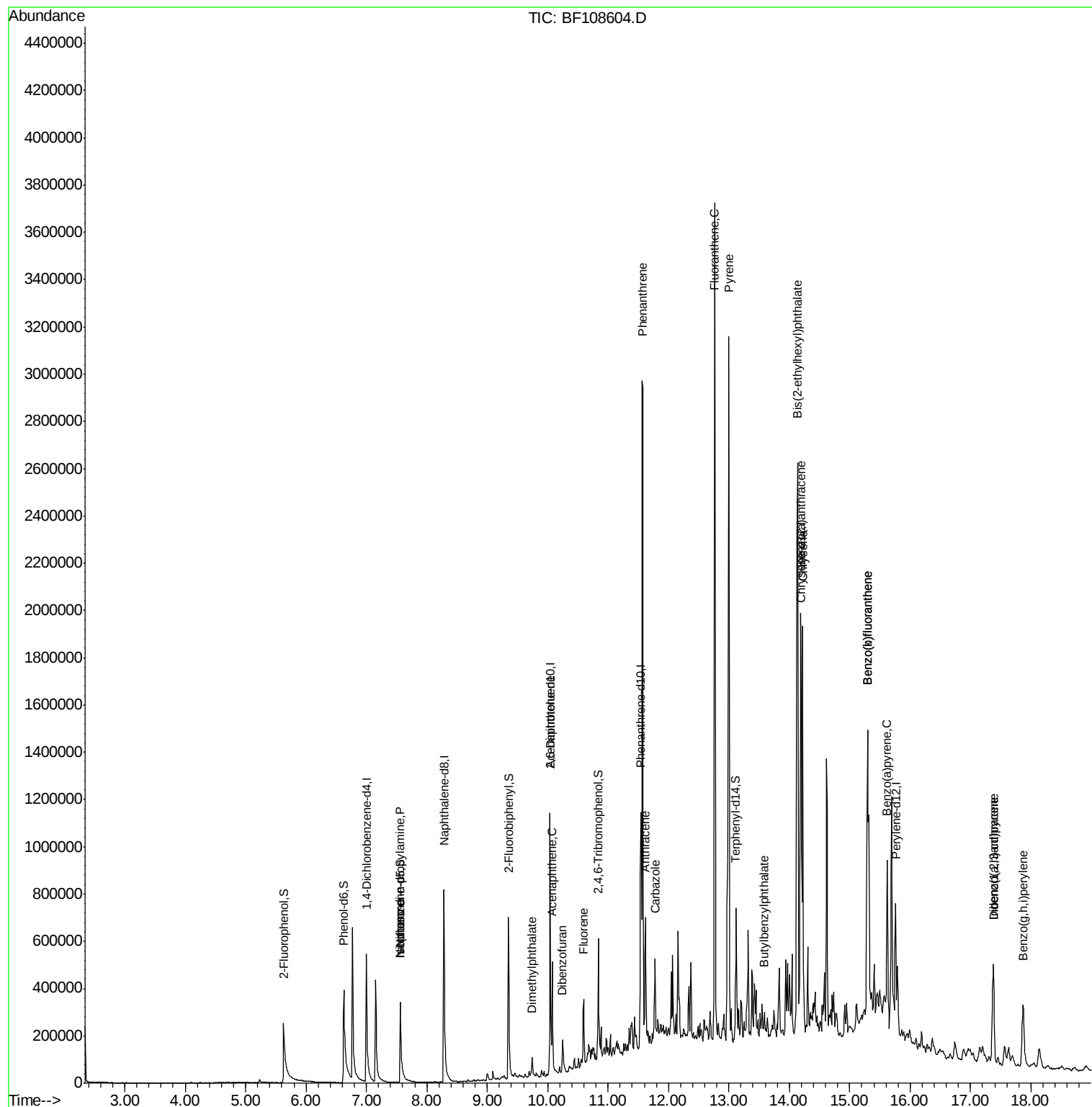
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.56	70	27629	4.288	ng	# 87
25) Isophorone	7.56	82	206283	11.644	ng	# 64
49) Dimethylphthalate	9.75	163	35309	2.100	ng	# 98
50) 2,6-Dinitrotoluene	10.04	165	33347	9.477	ng	# 26
51) Acenaphthene	10.08	154	121241	8.900	ng	98
54) Dibenzofuran	10.25	168	71454	3.620	ng	99
57) Fluorene	10.59	166	99651	6.378	ng	100
70) Phenanthrene	11.57	178	1270309	66.997	ng	99
71) Anthracene	11.62	178	256045	13.175	ng	98
72) Carbazole	11.78	167	156449	9.061	ng	98
74) Fluoranthene	12.77	202	1711489	82.707	ng	96
77) Pylene	13.00	202	1381097	80.961	ng	99
79) Butylbenzylphthalate	13.59	149	16335	2.411	ng	89
80) Benzo(a)anthracene	14.19	228	712205	46.057	ng	98
82) Chrysene	14.22	228	642077	45.290	ng	98
83) Bis(2-ethylhexyl)phthalate	14.14	149	1517411	165.422	ng	# 96
85) Indeno(1,2,3-cd)pyrene	17.38	276	290197	23.625	ng	# 86
87) Benzo(b)fluoranthene	15.29	252	1104095	65.693	ng	97
88) Benzo(k)fluoranthene	15.29	252	1103901	71.452	ng	# 97
89) Benzo(a)pyrene	15.62	252	369783	24.570	ng	98
90) Dibenzo(a,h)anthracene	17.38	278	76072	6.109	ng	# 78
91) Benzo(g,h,i)perylene	17.87	276	260852	21.274	ng	# 88

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

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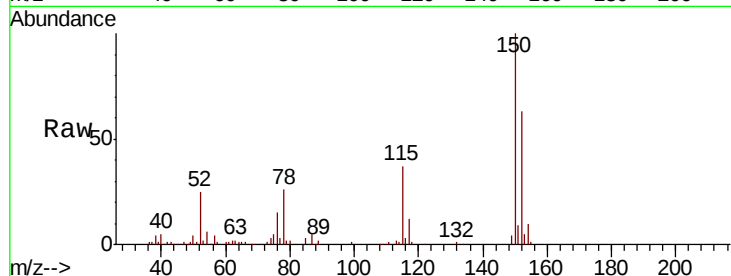


#1

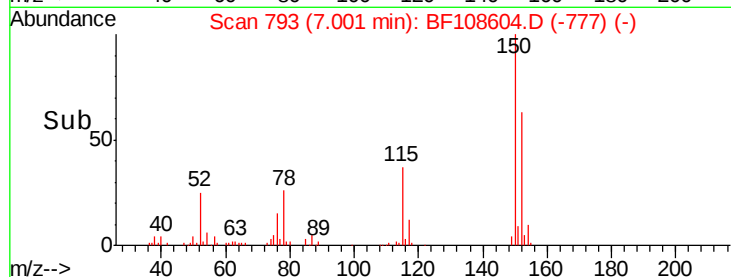
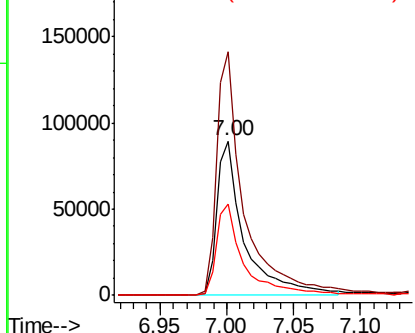
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108604.D
Acq: 29 Aug 2018 15:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	124.6	186.8
115	58.8	50.1	75.1



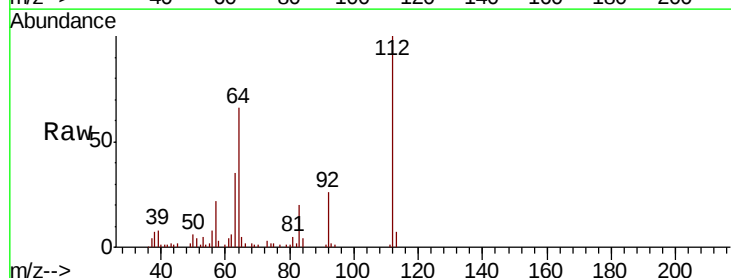
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



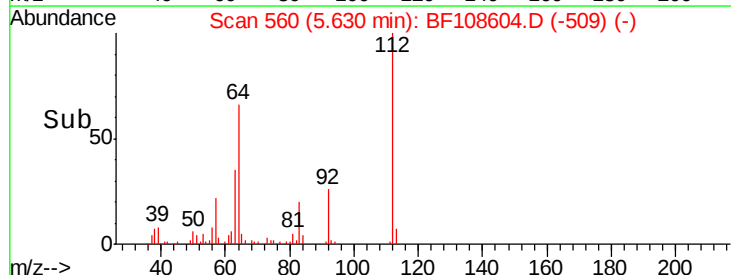
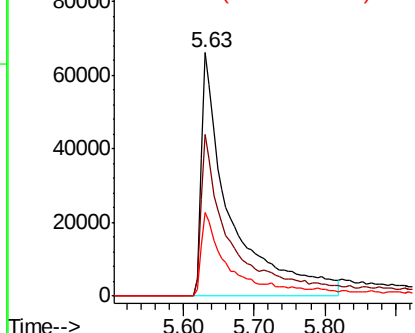
#5

2-Fluorophenol
Concen: 26.461 ng
RT: 5.63 min Scan# 560
Delta R.T. -0.00 min
Lab File: BF108604.D
Acq: 29 Aug 2018 15:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.2	47.9	71.9
63	34.5	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: 33.123 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108604.D

Acq: 29 Aug 2018 15:05

Instrument :

BNA_F

ClientSampleId :

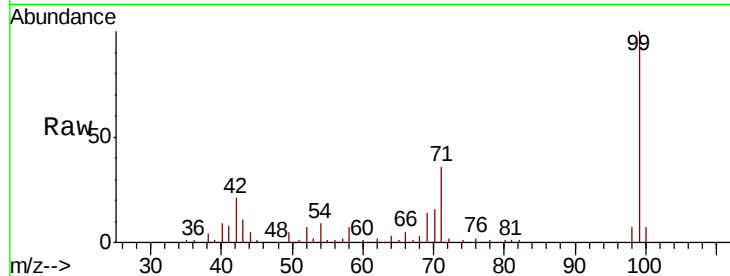
Tot Ion: 99 Resp: 315627

Ion Ratio Lower Upper

99 100

42 21.5 14.5 21.7

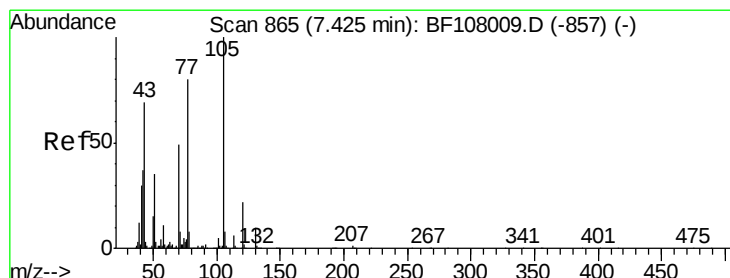
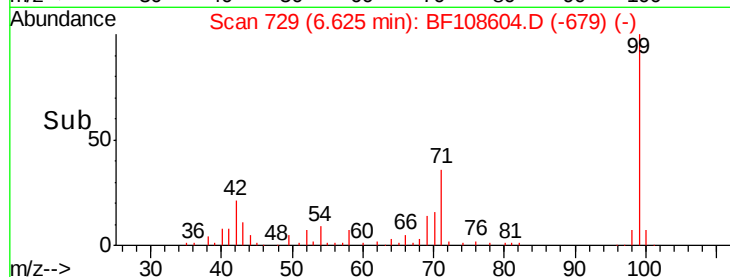
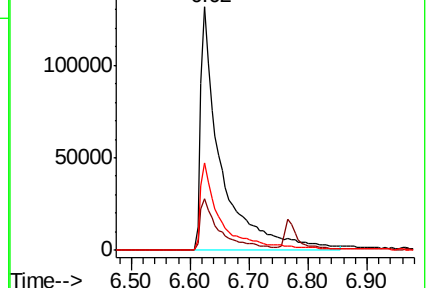
71 35.7 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 4.288 ng

RT: 7.56 min Scan# 888

Delta R.T. 0.15 min

Lab File: BF108604.D

Acq: 29 Aug 2018 15:05

Tgt Ion: 70 Resp: 27629

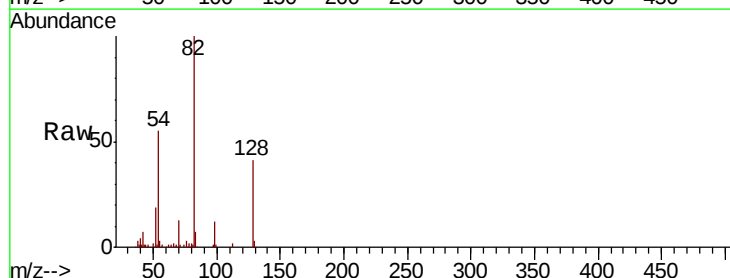
Ion Ratio Lower Upper

70 100

42 57.9 47.5 71.3

101 0.0 7.4 11.2#

130 2.7 16.6 25.0#

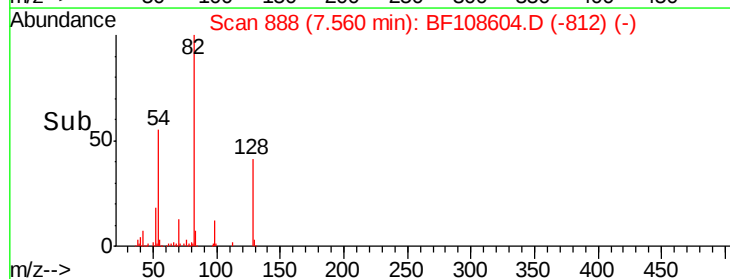
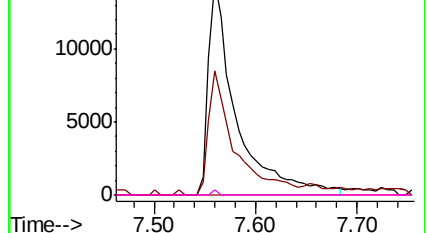


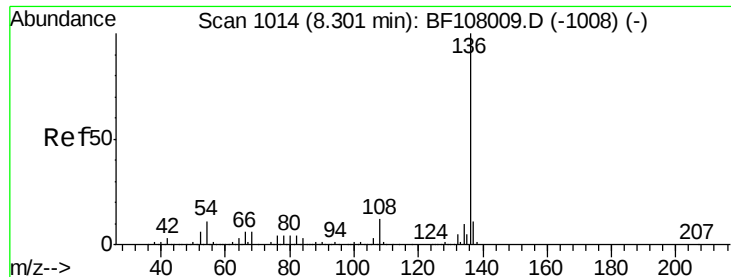
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.28 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF108604.D

Acq: 29 Aug 2018 15:05

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 518644

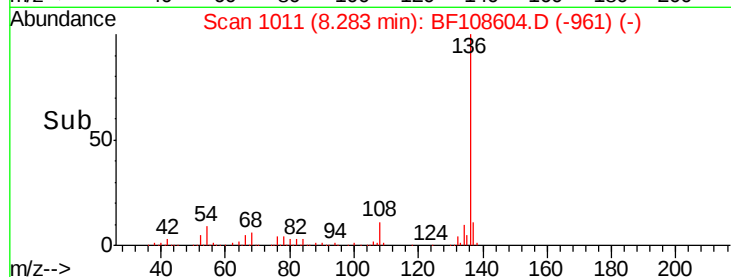
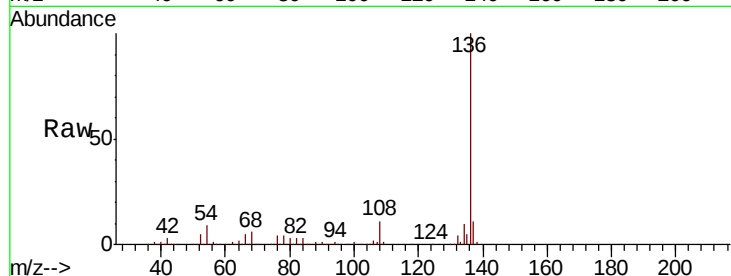
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 9.1 6.6 9.8

68 5.7 5.0 7.4

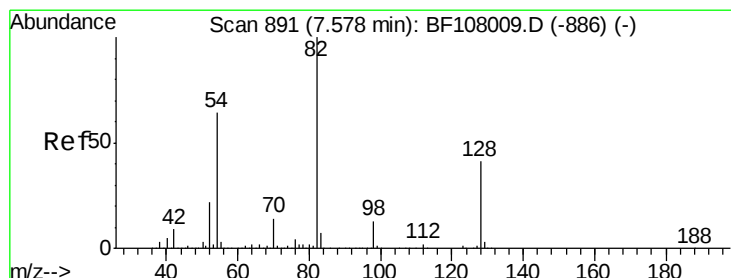
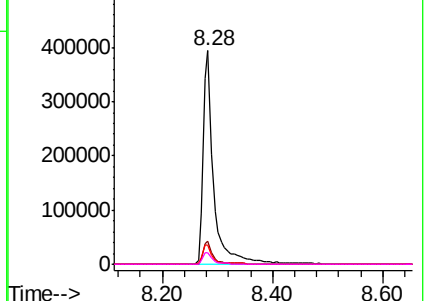


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 22.194 ng

RT: 7.56 min Scan# 888

Delta R.T. -0.01 min

Lab File: BF108604.D

Acq: 29 Aug 2018 15:05

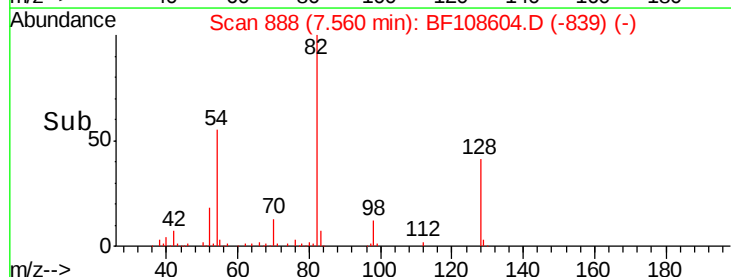
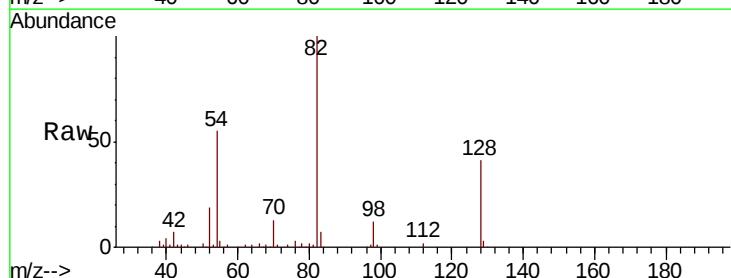
Tgt Ion: 82 Resp: 206283

Ion Ratio Lower Upper

82 100

128 41.1 36.1 54.1

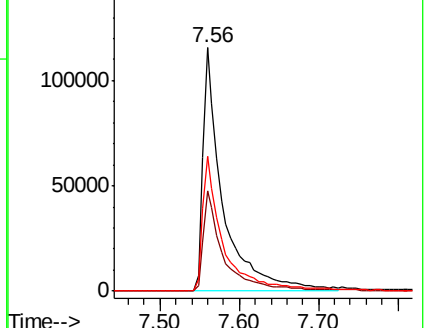
54 55.4 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 11.644 ng

RT: 7.56 min Scan# 888

Delta R.T. -0.27 min

Lab File: BF108604.D

Acq: 29 Aug 2018 15:05

Instrument :

BNA_F

ClientSampleId :

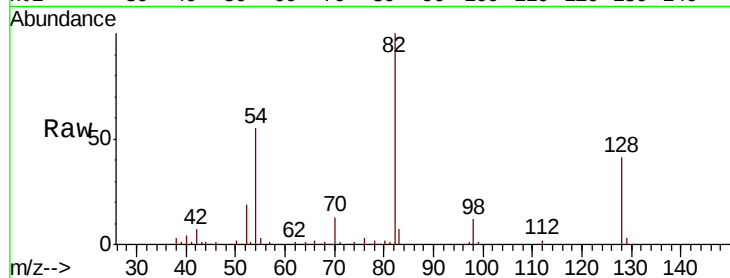
Tot Ion: 82 Resp: 206283

Ion Ratio Lower Upper

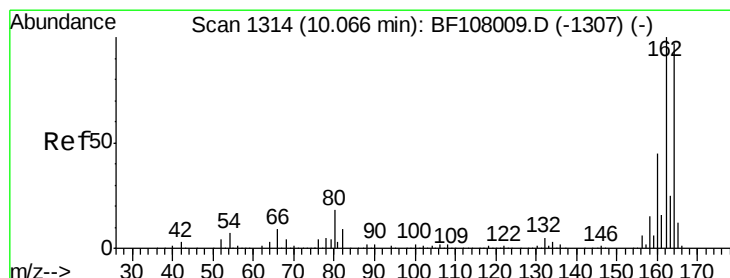
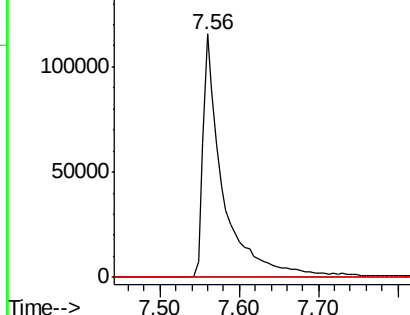
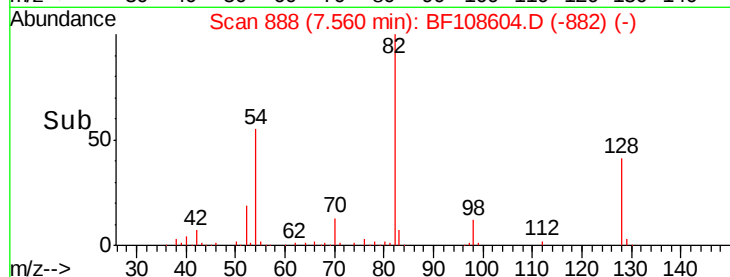
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.04 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF108604.D

Acq: 29 Aug 2018 15:05

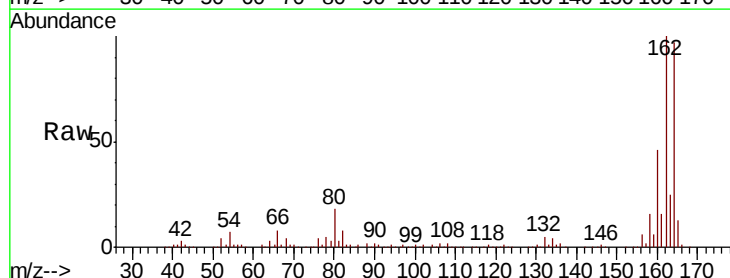
Tgt Ion: 164 Resp: 241431

Ion Ratio Lower Upper

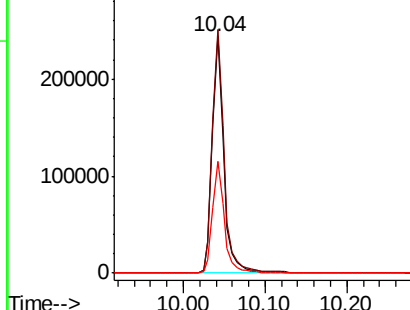
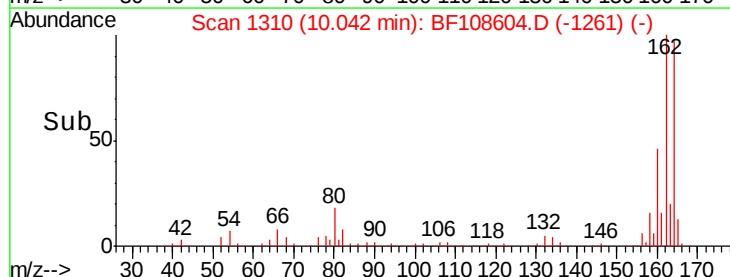
164 100

162 102.7 86.1 129.1

160 47.2 38.3 57.5



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

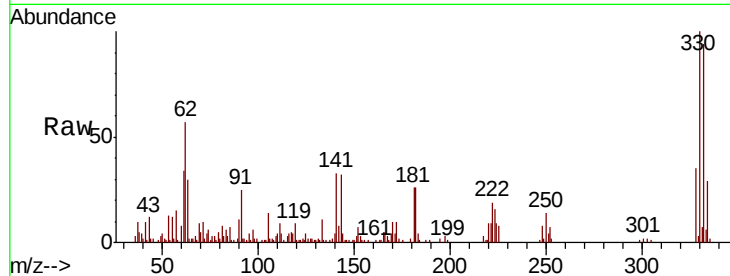




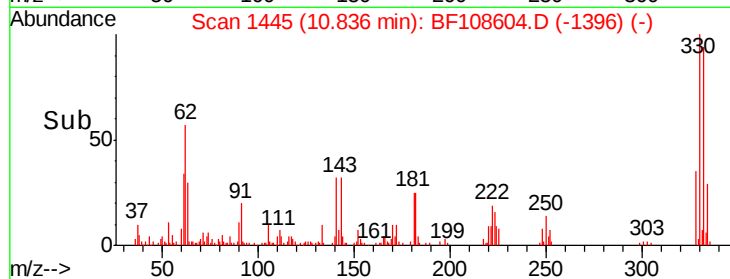
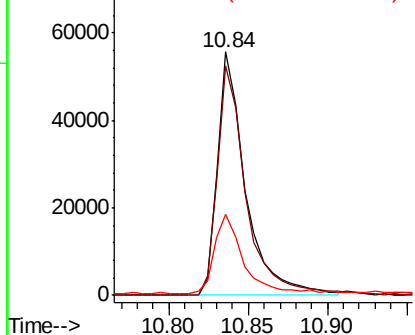
#41
 2,4,6-Tribromophenol
 Concen: 28.371 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108604.D
 Acq: 29 Aug 2018 15:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 68324
 Ion Ratio Lower Upper
 330 100
 332 97.3 77.0 115.6
 141 32.7 29.9 44.9

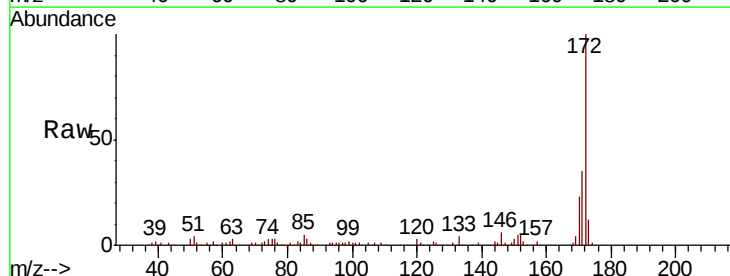


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

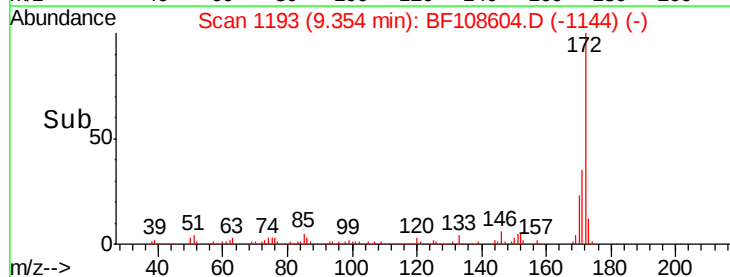
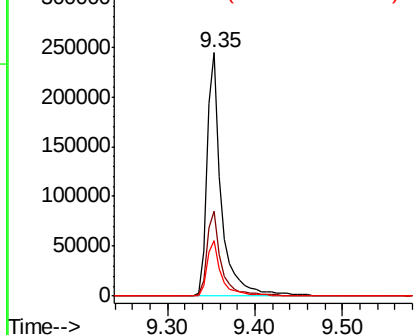


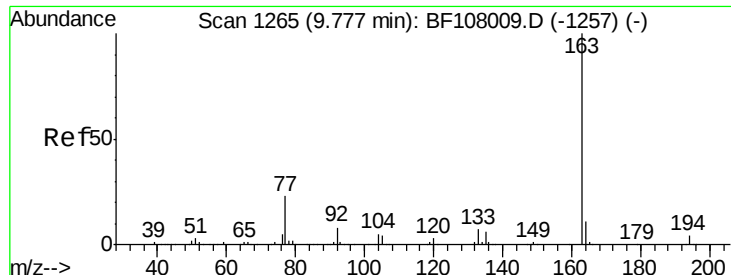
#44
 2-Fluorobiphenyl
 Concen: 18.639 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108604.D
 Acq: 29 Aug 2018 15:05

Tgt Ion:172 Resp: 280291
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.7 44.5
 170 22.9 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

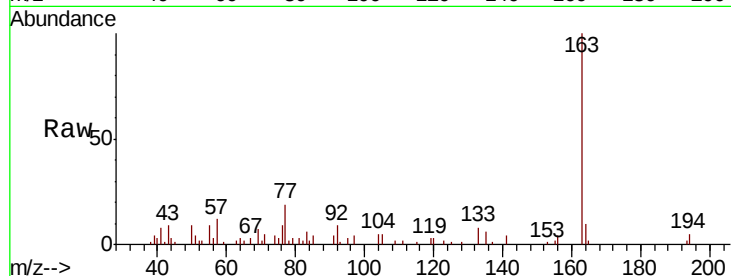




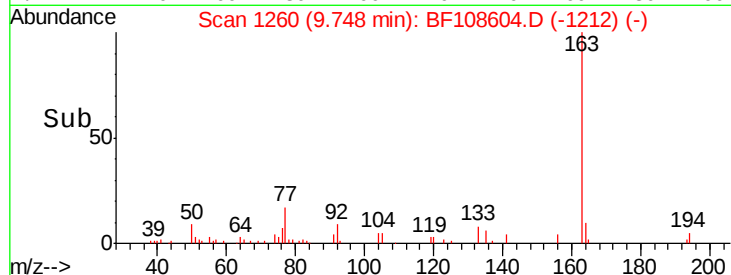
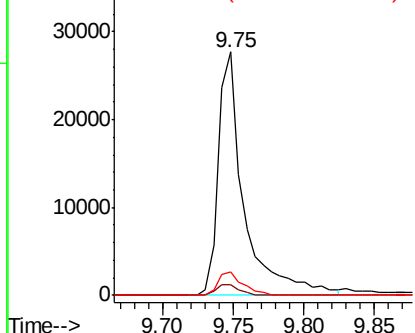
#49
Dimethylphthalate
Concen: 2.100 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF108604.D
Acq: 29 Aug 2018 15:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.6	2.7	4.1#
164	9.6	8.2	12.2

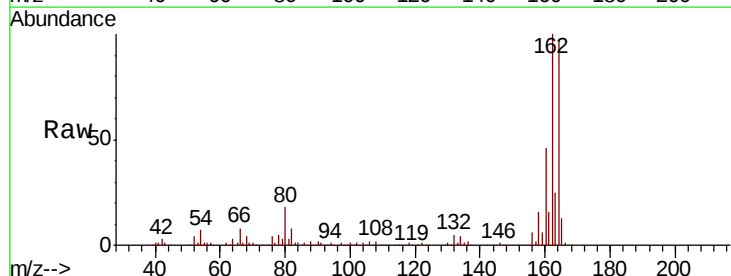


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

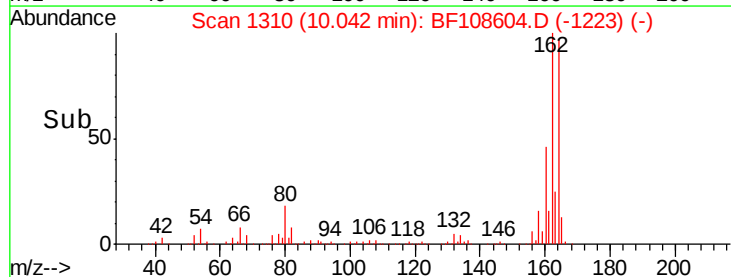
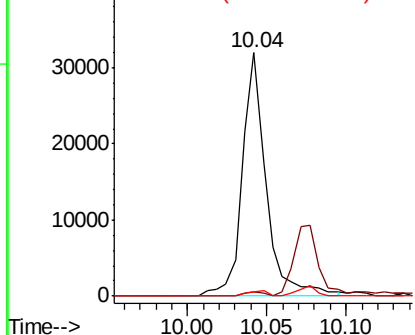


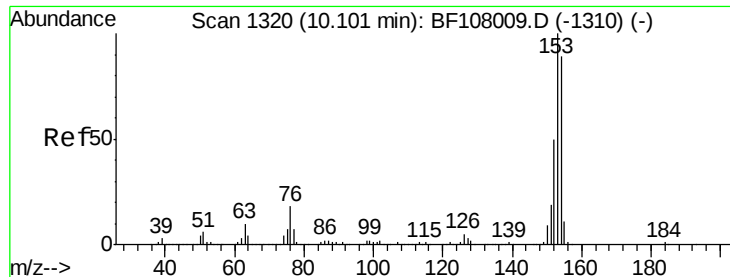
#50
2,6-Dinitrotoluene
Concen: 9.477 ng
RT: 10.04 min Scan# 1310
Delta R.T. 0.21 min
Lab File: BF108604.D
Acq: 29 Aug 2018 15:05

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.7	67.1#
89	1.8	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 8.900 ng

RT: 10.08 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF108604.D

Acq: 29 Aug 2018 15:05

Instrument :

BNA_F

ClientSampleId :

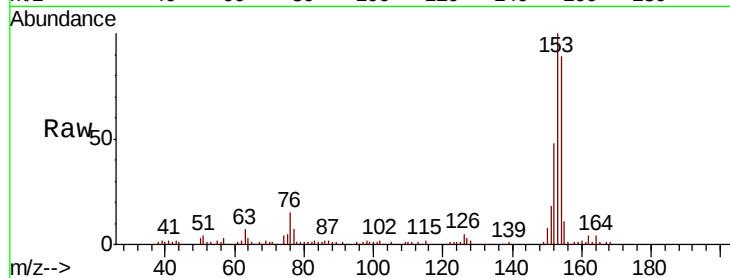
Tot Ion:154 Resp: 121241

Ion Ratio Lower Upper

154 100

153 111.8 91.2 136.8

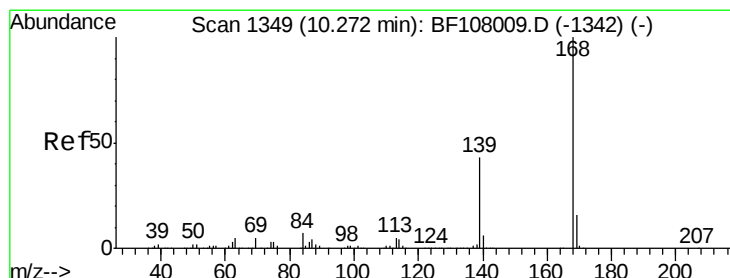
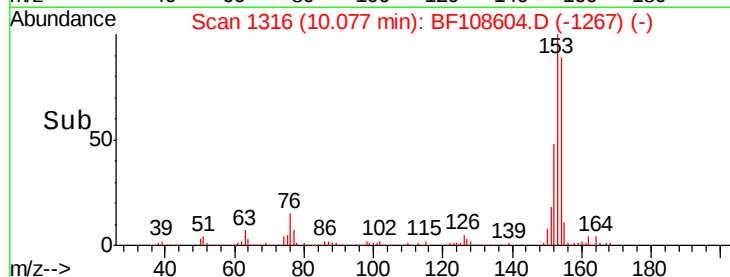
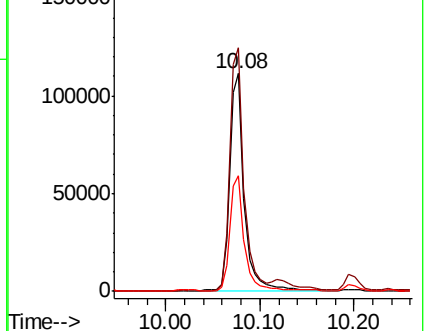
152 53.3 43.8 65.8



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: 3.620 ng

RT: 10.25 min Scan# 1345

Delta R.T. -0.01 min

Lab File: BF108604.D

Acq: 29 Aug 2018 15:05

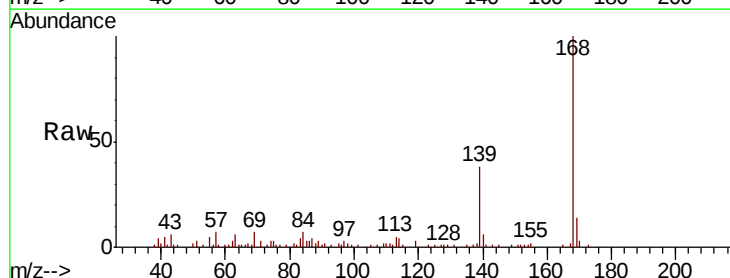
Tgt Ion:168 Resp: 71454

Ion Ratio Lower Upper

168 100

139 38.3 30.1 45.1

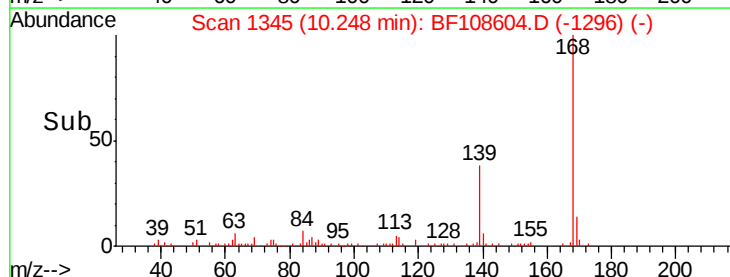
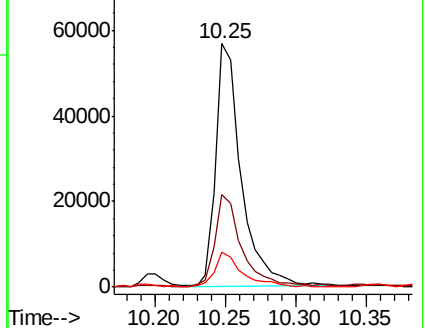
169 14.4 10.9 16.3

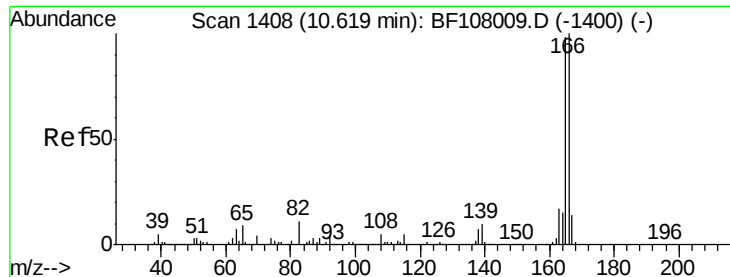


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

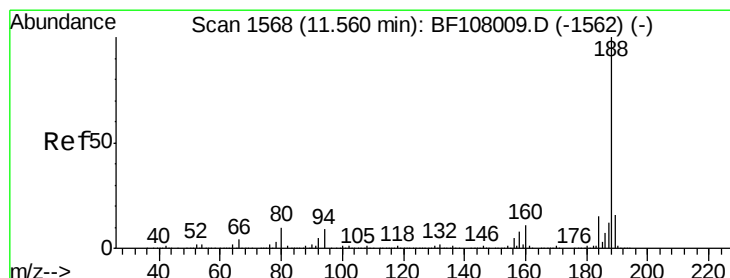
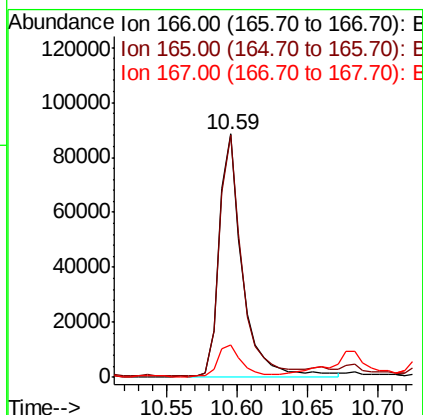
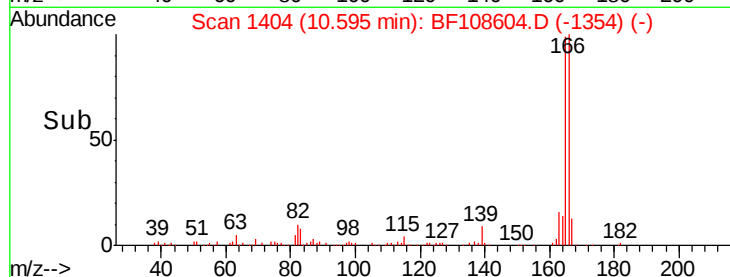
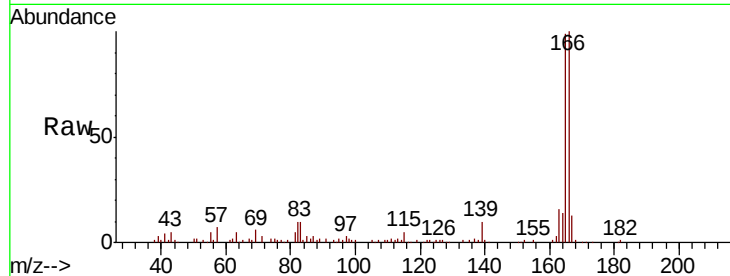




#57
 Fluorene
 Concen: 6.378 ng
 RT: 10.59 min Scan# 1404
 Delta R.T. -0.01 min
 Lab File: BF108604.D
 Acq: 29 Aug 2018 15:05

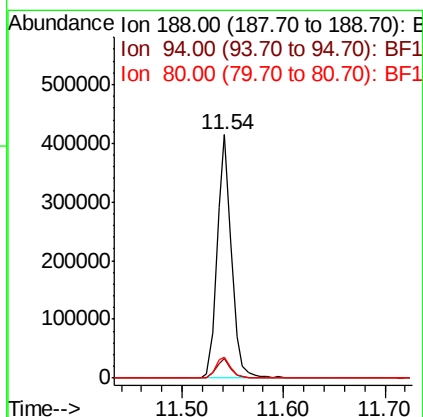
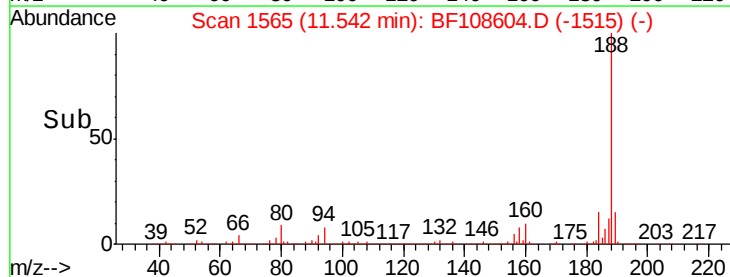
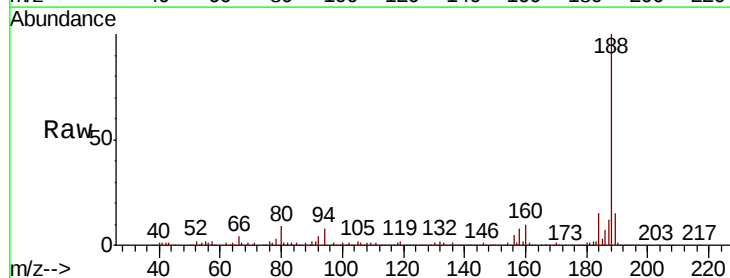
Instrument :
 BNA_F
 ClientSampleId :

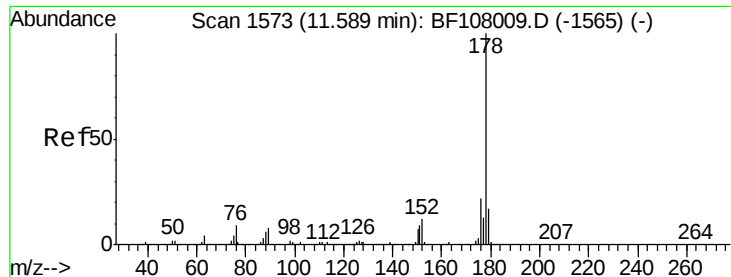
Tot Ion:166 Resp: 99651
 Ion Ratio Lower Upper
 166 100
 165 99.5 79.8 119.8
 167 13.3 10.6 16.0



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: BF108604.D
 Acq: 29 Aug 2018 15:05

Tgt Ion:188 Resp: 401998
 Ion Ratio Lower Upper
 188 100
 94 7.9 8.5 12.7#
 80 8.7 9.2 13.8#

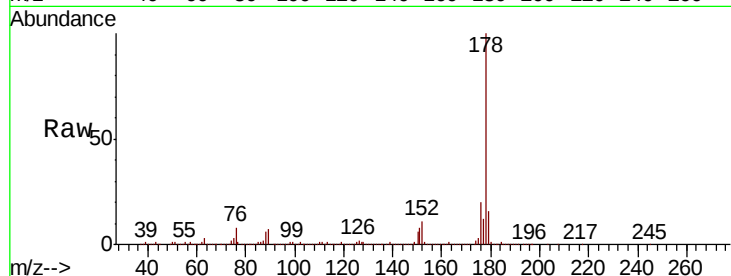




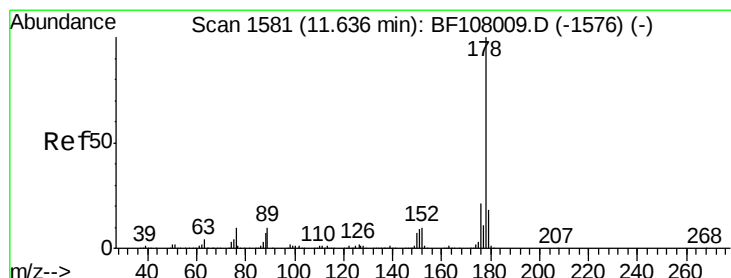
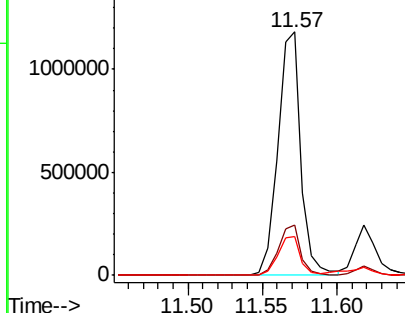
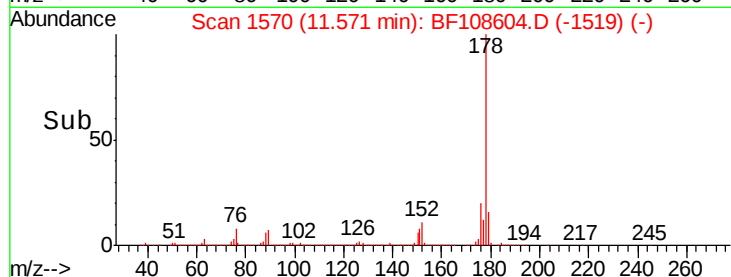
#70
Phenanthrene
Concen: 66.997 ng
RT: 11.57 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BF108604.D
Acq: 29 Aug 2018 15:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 1270309
Ion Ratio Lower Upper
178 100
176 20.4 15.8 23.8
179 15.9 13.0 19.6

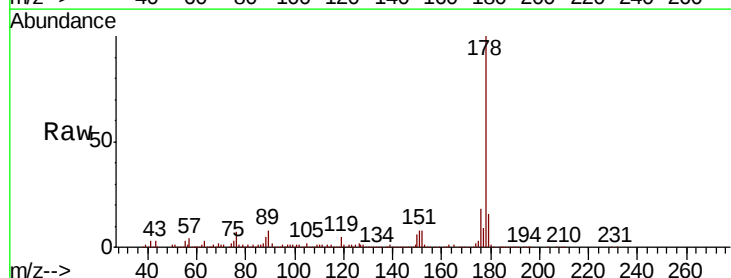


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

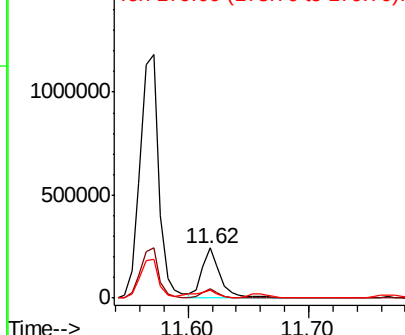
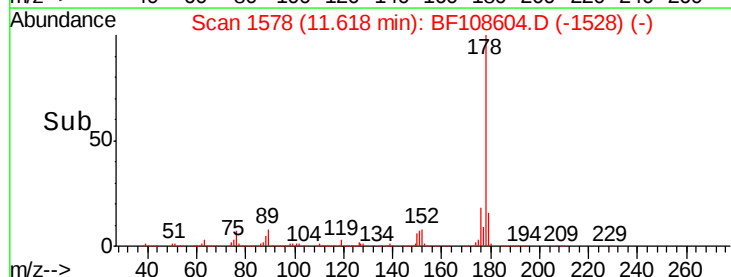


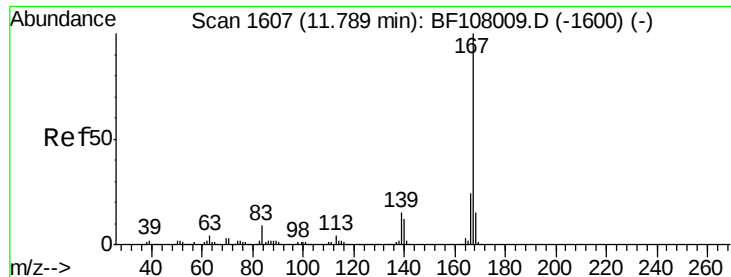
#71
Anthracene
Concen: 13.175 ng
RT: 11.62 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF108604.D
Acq: 29 Aug 2018 15:05

Tgt Ion:178 Resp: 256045
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.2
179 16.4 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 9.061 ng

RT: 11.78 min Scan# 1605

Delta R.T. -0.00 min

Lab File: BF108604.D

Acq: 29 Aug 2018 15:05

Instrument :

BNA_F

ClientSampleId :

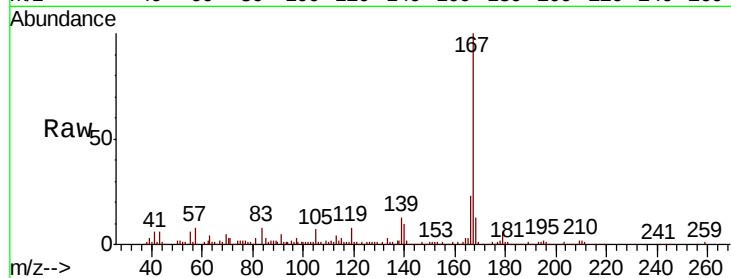
Tot Ion:167 Resp: 156449

Ion Ratio Lower Upper

167 100

166 22.5 17.6 26.4

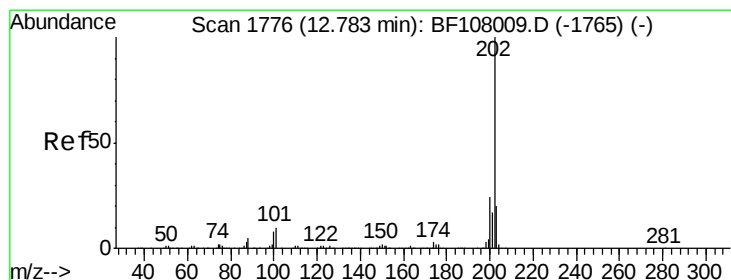
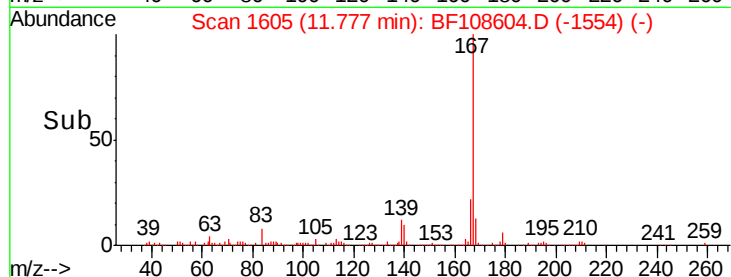
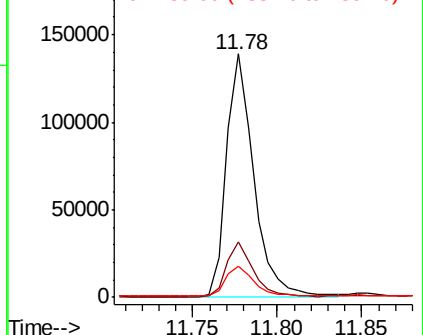
139 12.6 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 82.707 ng

RT: 12.77 min Scan# 1773

Delta R.T. -0.00 min

Lab File: BF108604.D

Acq: 29 Aug 2018 15:05

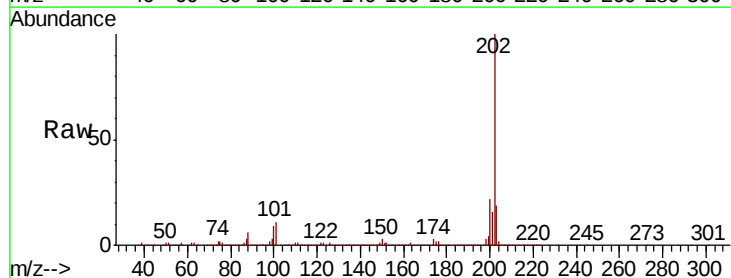
Tgt Ion:202 Resp: 1711489

Ion Ratio Lower Upper

202 100

101 11.2 0.0 34.1

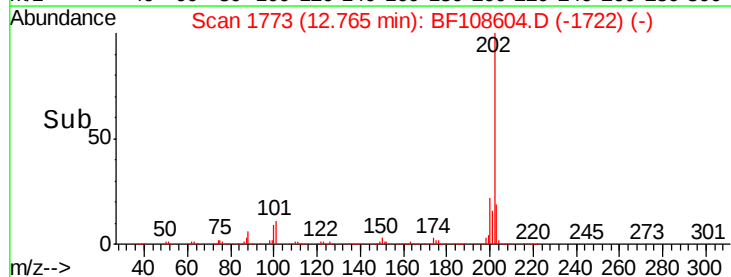
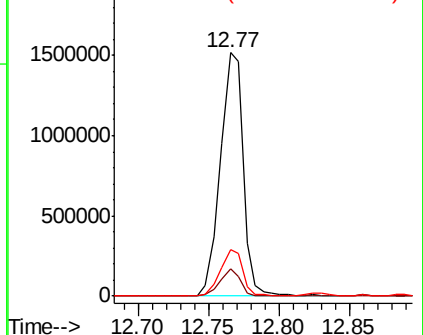
203 19.1 0.0 38.1

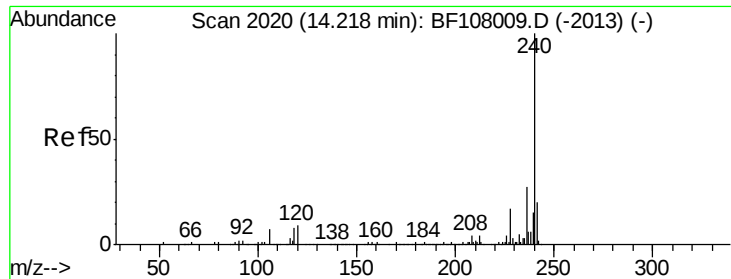


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.20 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BF108604.D

Acq: 29 Aug 2018 15:05

Instrument :

BNA_F

ClientSampleId :

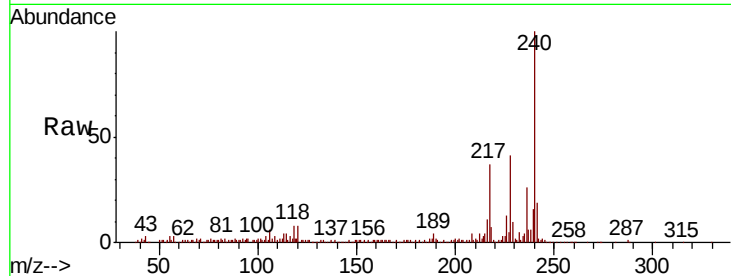
Tot Ion:240 Resp: 269448

Ion Ratio Lower Upper

240 100

120 8.1 9.5 14.3#

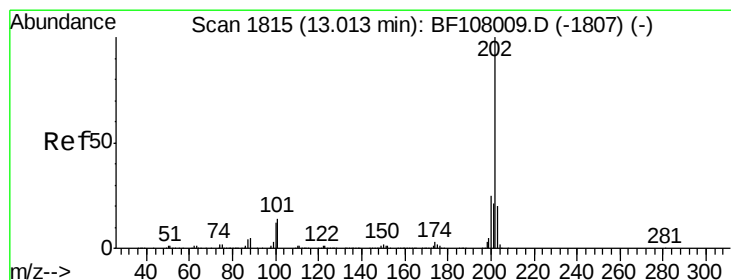
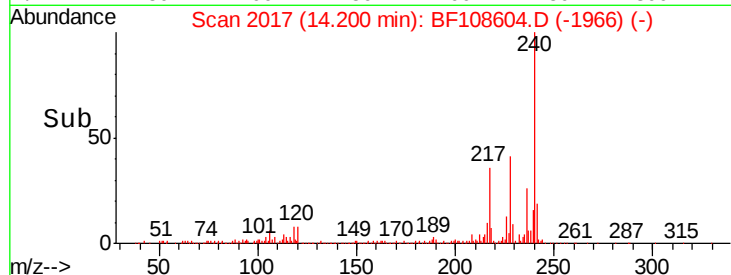
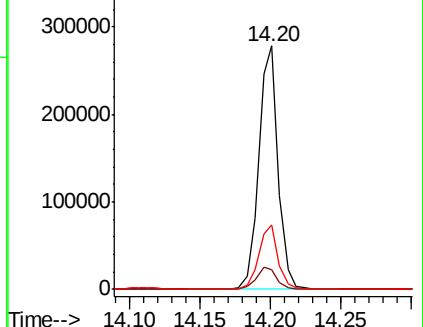
236 26.3 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 80.961 ng

RT: 13.00 min Scan# 1813

Delta R.T. -0.00 min

Lab File: BF108604.D

Acq: 29 Aug 2018 15:05

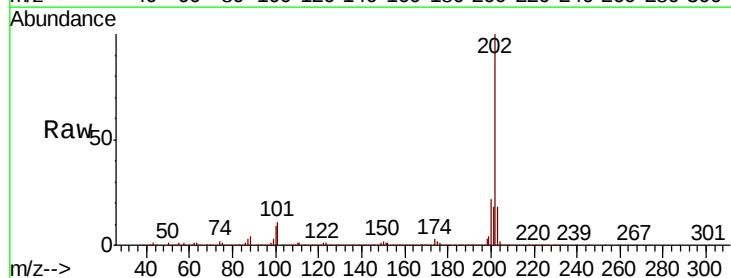
Tgt Ion:202 Resp: 1381097

Ion Ratio Lower Upper

202 100

200 22.1 17.4 26.2

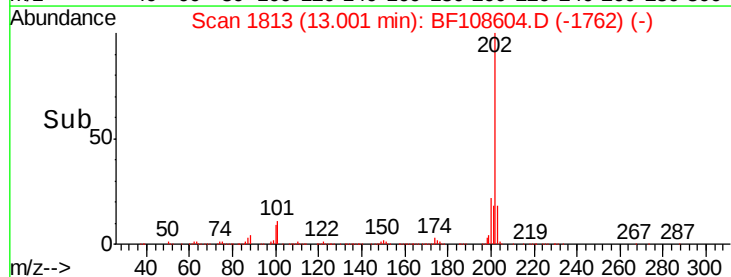
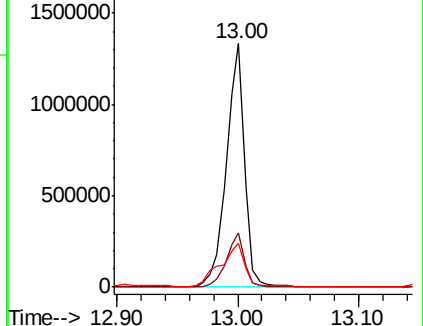
203 18.2 14.3 21.5

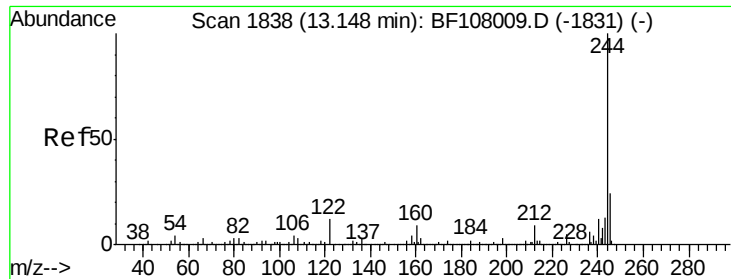


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 17.055 ng

RT: 13.12 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BF108604.D

Acq: 29 Aug 2018 15:05

Instrument :

BNA_F

ClientSampleId :

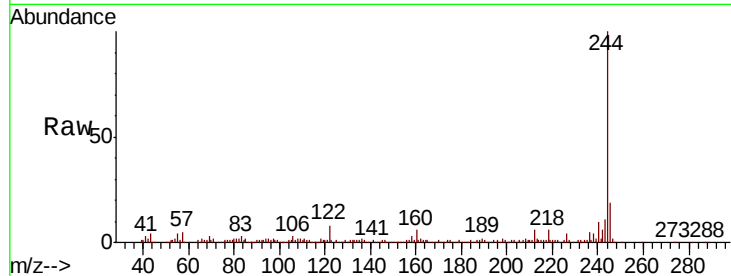
Tot Ion:244 Resp: 180742

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

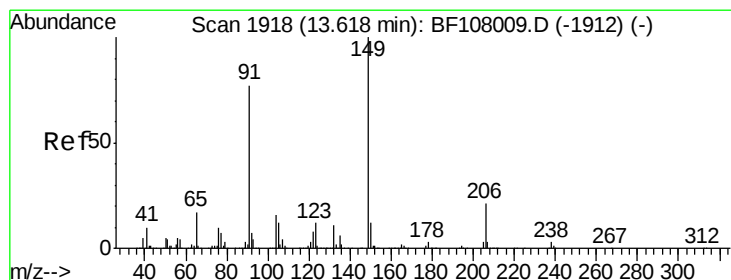
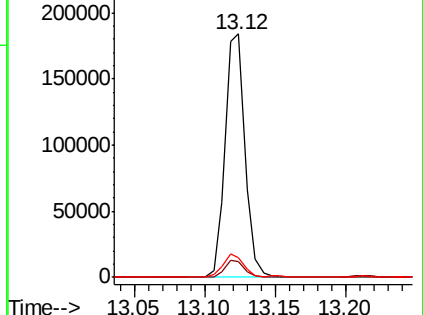
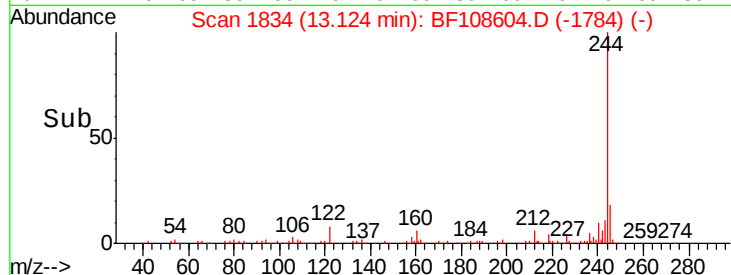
122 8.2 11.0 16.4#



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



#79

Butylbenzylphthalate

Concen: 2.411 ng

RT: 13.59 min Scan# 1913

Delta R.T. -0.01 min

Lab File: BF108604.D

Acq: 29 Aug 2018 15:05

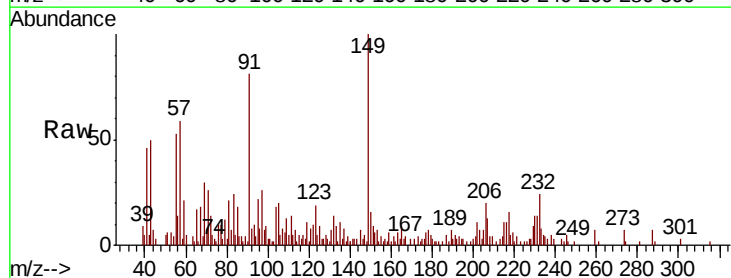
Tgt Ion:149 Resp: 16335

Ion Ratio Lower Upper

149 100

91 81.5 56.8 85.2

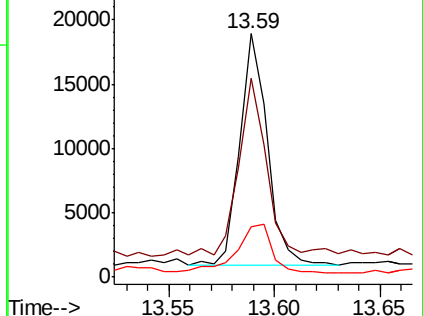
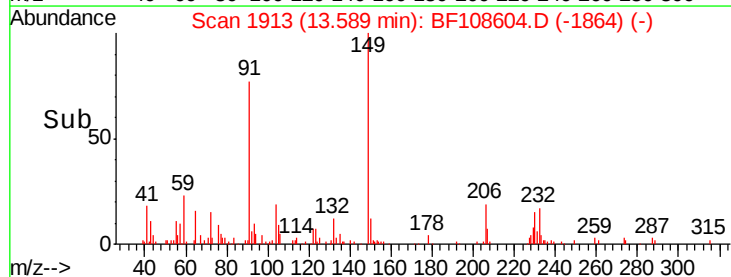
206 20.5 14.1 21.1

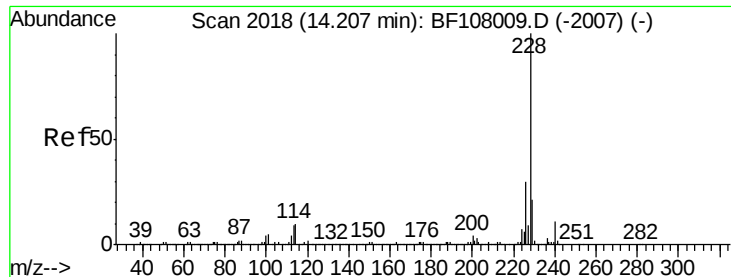


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 46.057 ng

RT: 14.19 min Scan# 2015

Delta R.T. -0.00 min

Lab File: BF108604.D

Acq: 29 Aug 2018 15:05

Instrument :

BNA_F

ClientSampleId :

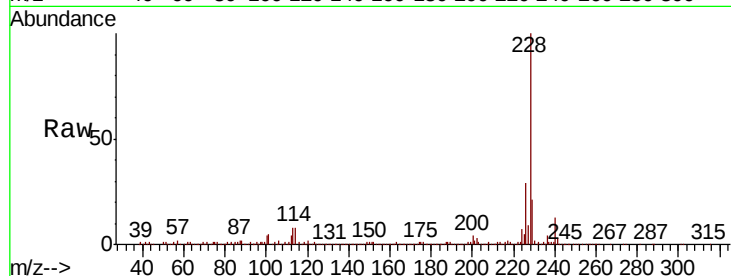
Tot Ion:228 Resp: 712205

Ion Ratio Lower Upper

228 100

226 28.7 22.6 33.8

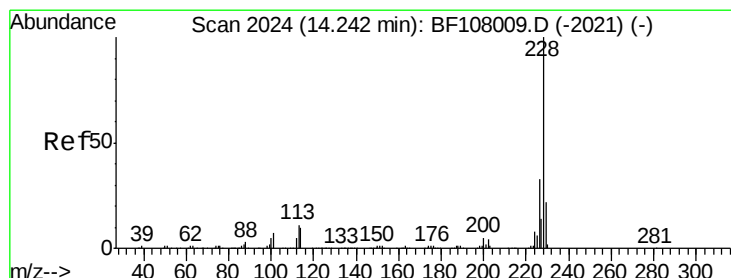
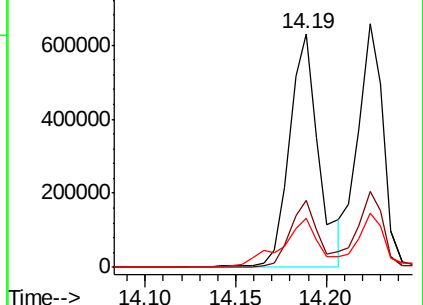
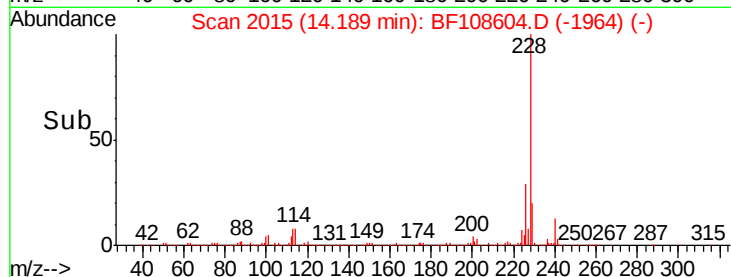
229 20.8 15.8 23.6



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: 45.290 ng

RT: 14.22 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF108604.D

Acq: 29 Aug 2018 15:05

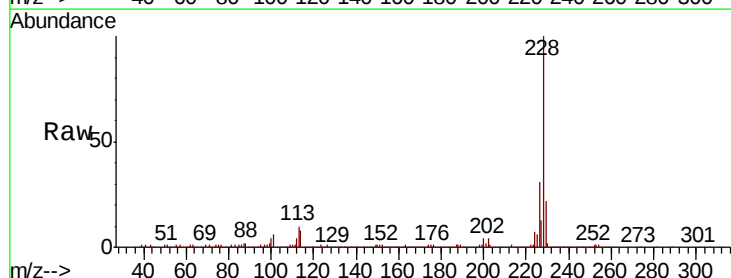
Tgt Ion:228 Resp: 642077

Ion Ratio Lower Upper

228 100

226 30.9 25.0 37.6

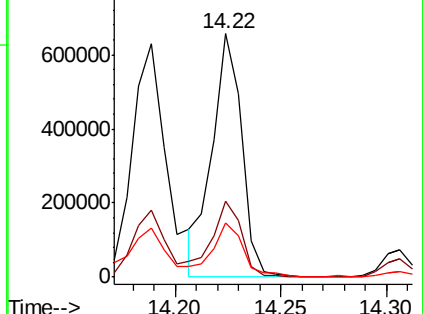
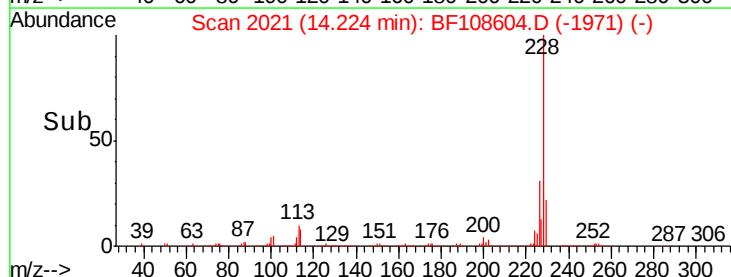
229 22.4 16.2 24.4

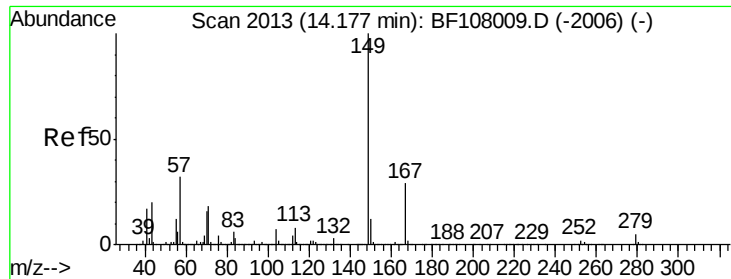


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 165.422 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF108604.D

Acq: 29 Aug 2018 15:05

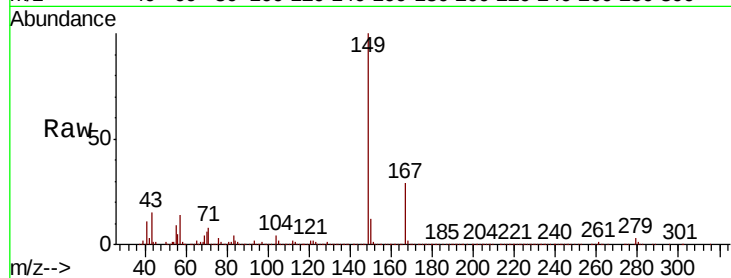
Instrument :

BNA_F

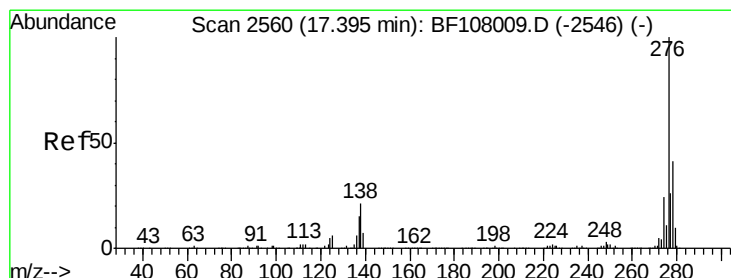
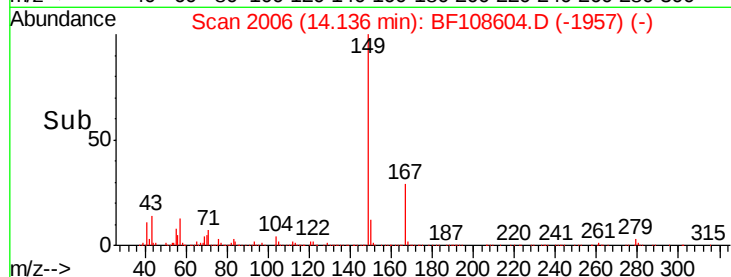
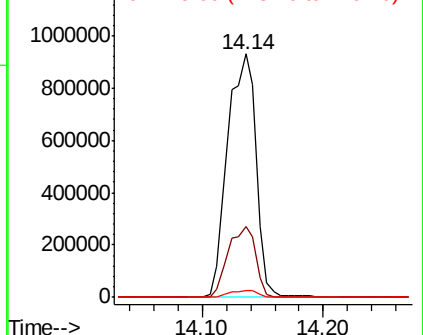
ClientSampleId :

Tot Ion:149 Resp: 1517411

Ion	Ratio	Lower	Upper
149	100		
167	29.0	21.3	31.9
279	2.5	3.0	4.4#



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 23.625 ng

RT: 17.38 min Scan# 2557

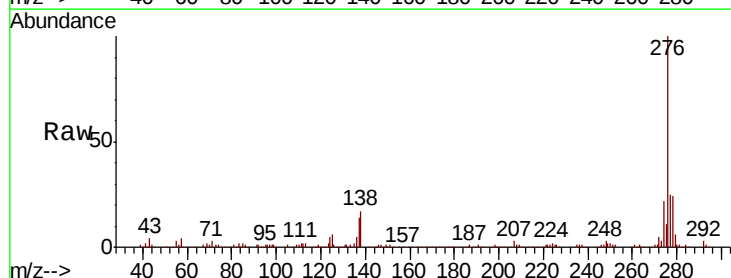
Delta R.T. 0.01 min

Lab File: BF108604.D

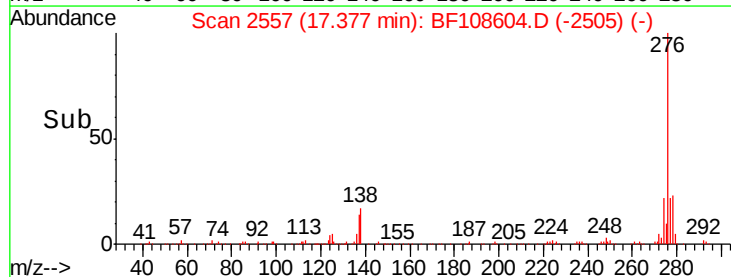
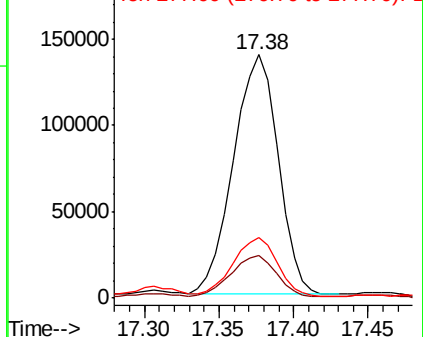
Acq: 29 Aug 2018 15:05

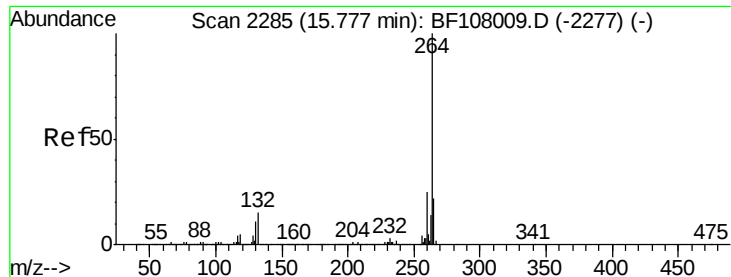
Tgt Ion:276 Resp: 290197

Ion	Ratio	Lower	Upper
276	100		
138	17.7	25.0	37.6#
277	24.7	20.1	30.1



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.76 min Scan# 2282

Delta R.T. -0.00 min

Lab File: BF108604.D

Acq: 29 Aug 2018 15:05

Instrument :

BNA_F

ClientSampleId :

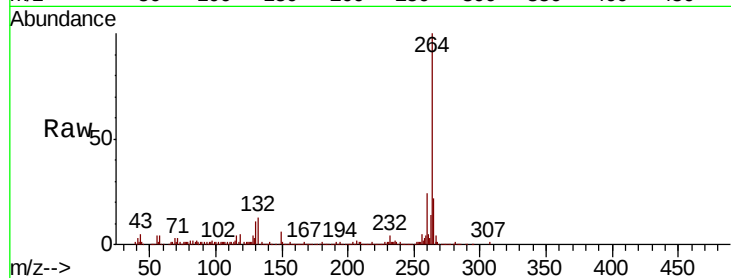
Tot Ion:264 Resp: 281267

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

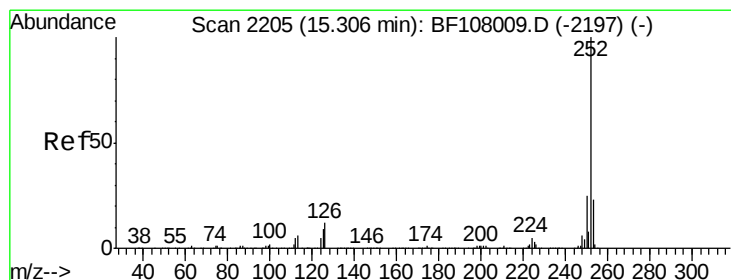
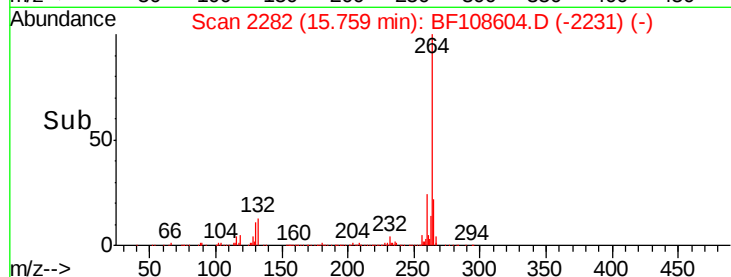
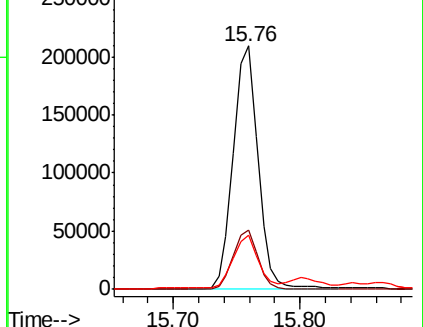
265 22.1 17.5 26.3



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



#87

Benzo(b)fluoranthene

Concen: 65.693 ng

RT: 15.29 min Scan# 2202

Delta R.T. -0.00 min

Lab File: BF108604.D

Acq: 29 Aug 2018 15:05

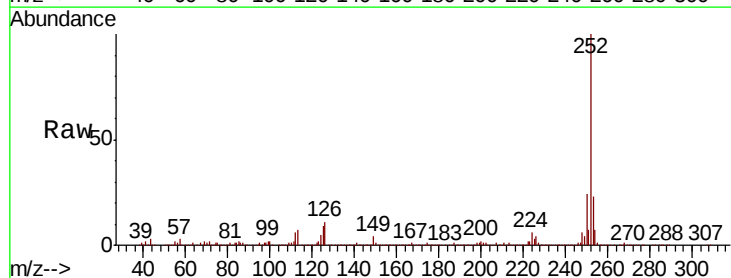
Tgt Ion:252 Resp: 1104095

Ion Ratio Lower Upper

252 100

253 22.5 17.0 25.6

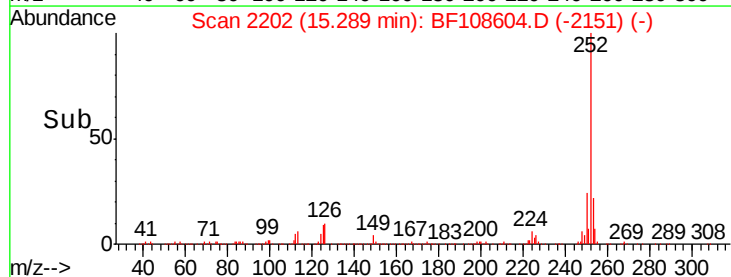
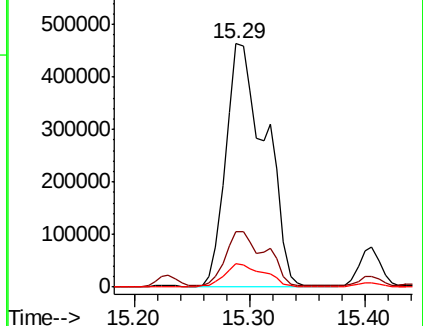
125 9.5 9.0 13.6

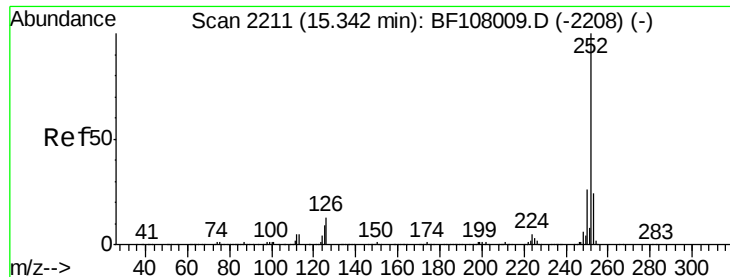


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 71.452 ng

RT: 15.29 min Scan# 2202

Delta R.T. -0.04 min

Lab File: BF108604.D

Acq: 29 Aug 2018 15:05

Instrument :

BNA_F

ClientSampleId :

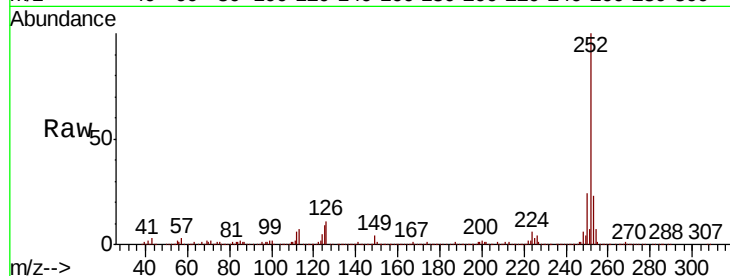
Tot Ion:252 Resp: 1103901

Ion Ratio Lower Upper

252 100

253 22.5 17.9 26.9

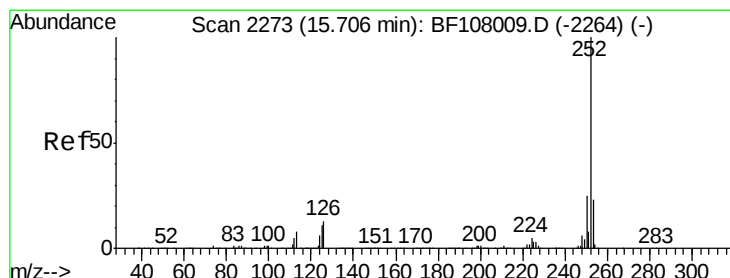
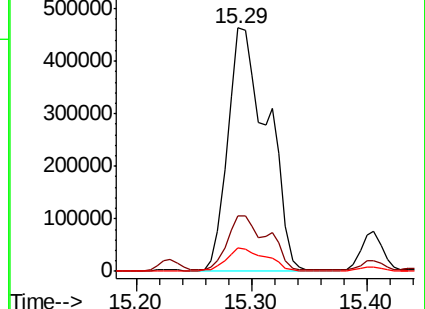
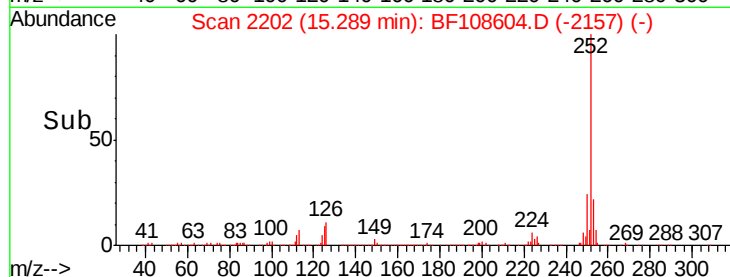
125 9.5 10.2 15.2#



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



#89

Benzo(a)pyrene

Concen: 24.570 ng

RT: 15.62 min Scan# 2258

Delta R.T. -0.07 min

Lab File: BF108604.D

Acq: 29 Aug 2018 15:05

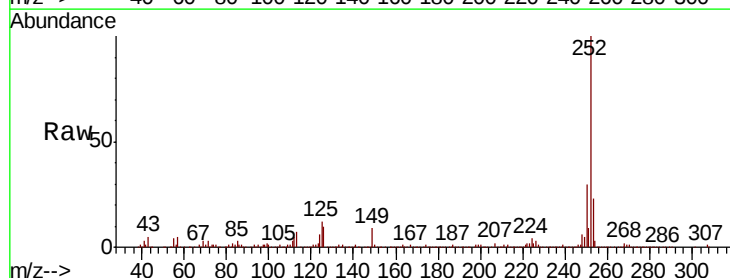
Tgt Ion:252 Resp: 369783

Ion Ratio Lower Upper

252 100

253 23.0 17.1 25.7

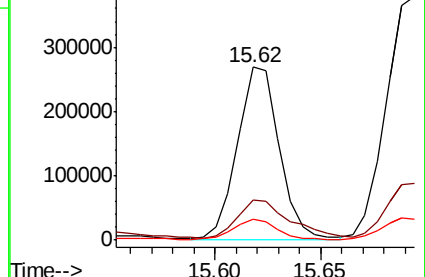
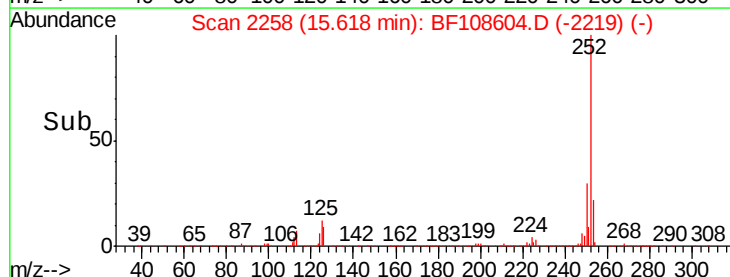
125 12.5 9.8 14.6

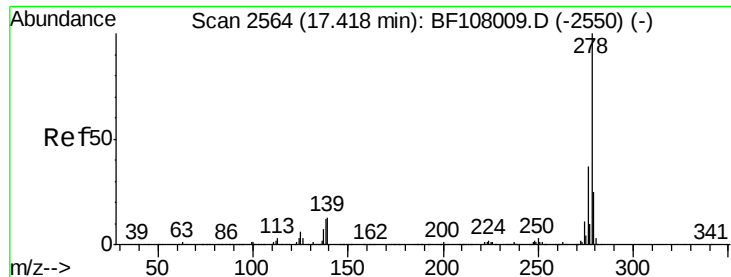


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 6.109 ng

RT: 17.38 min Scan# 2558

Delta R.T. -0.01 min

Lab File: BF108604.D

Acq: 29 Aug 2018 15:05

Instrument :

BNA_F

ClientSampleId :

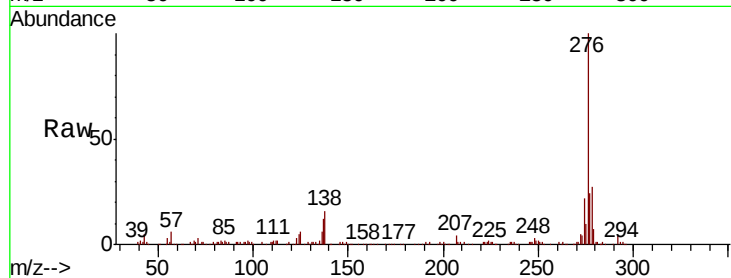
Tot Ion:278 Resp: 76072

Ion Ratio Lower Upper

278 100

139 0.0 15.9 23.9#

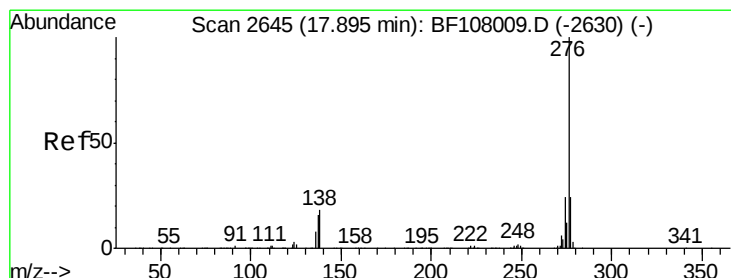
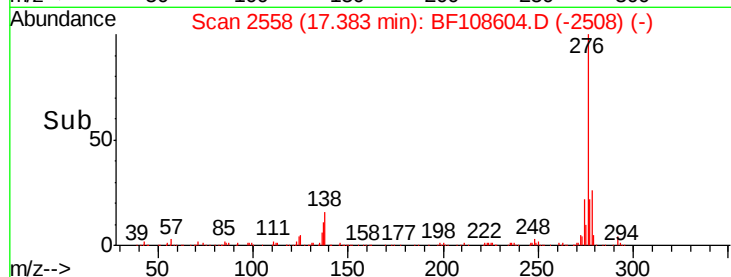
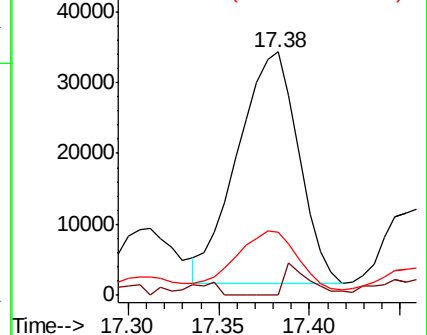
279 26.1 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 21.274 ng

RT: 17.87 min Scan# 2641

Delta R.T. 0.01 min

Lab File: BF108604.D

Acq: 29 Aug 2018 15:05

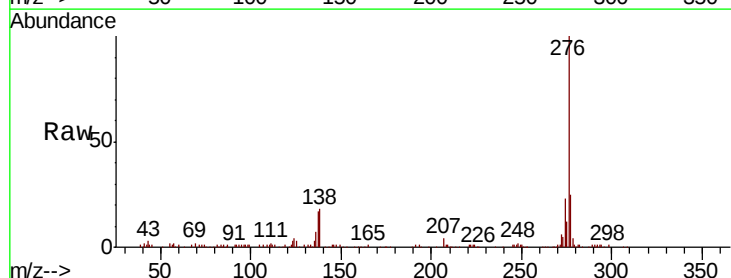
Tgt Ion:276 Resp: 260852

Ion Ratio Lower Upper

276 100

277 25.0 17.9 26.9

138 18.1 21.8 32.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

