

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
 Data File : BF108295.D
 Acq On : 20 Aug 2018 17:36
 Operator : JU/SJ
 Sample : J4521-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-12003

Quant Time: Aug 20 18:26:52 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 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	183078	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	656276	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	289262	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	469746	20.00	ng	0.00
75) Chrysene-d12	14.22	240	333357	20.00	ng	0.00
86) Perylene-d12	15.79	264	285459	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.65	112	1168338	115.54	ng	0.02
7) Phenol-d6	6.64	99	1526133	113.57	ng	0.01
23) Nitrobenzene-d5	7.58	82	1010138	85.89	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	321342	111.37	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	1660503	92.16	ng	0.00
78) Terphenyl-d14	13.15	244	1298600	99.05	ng	0.00

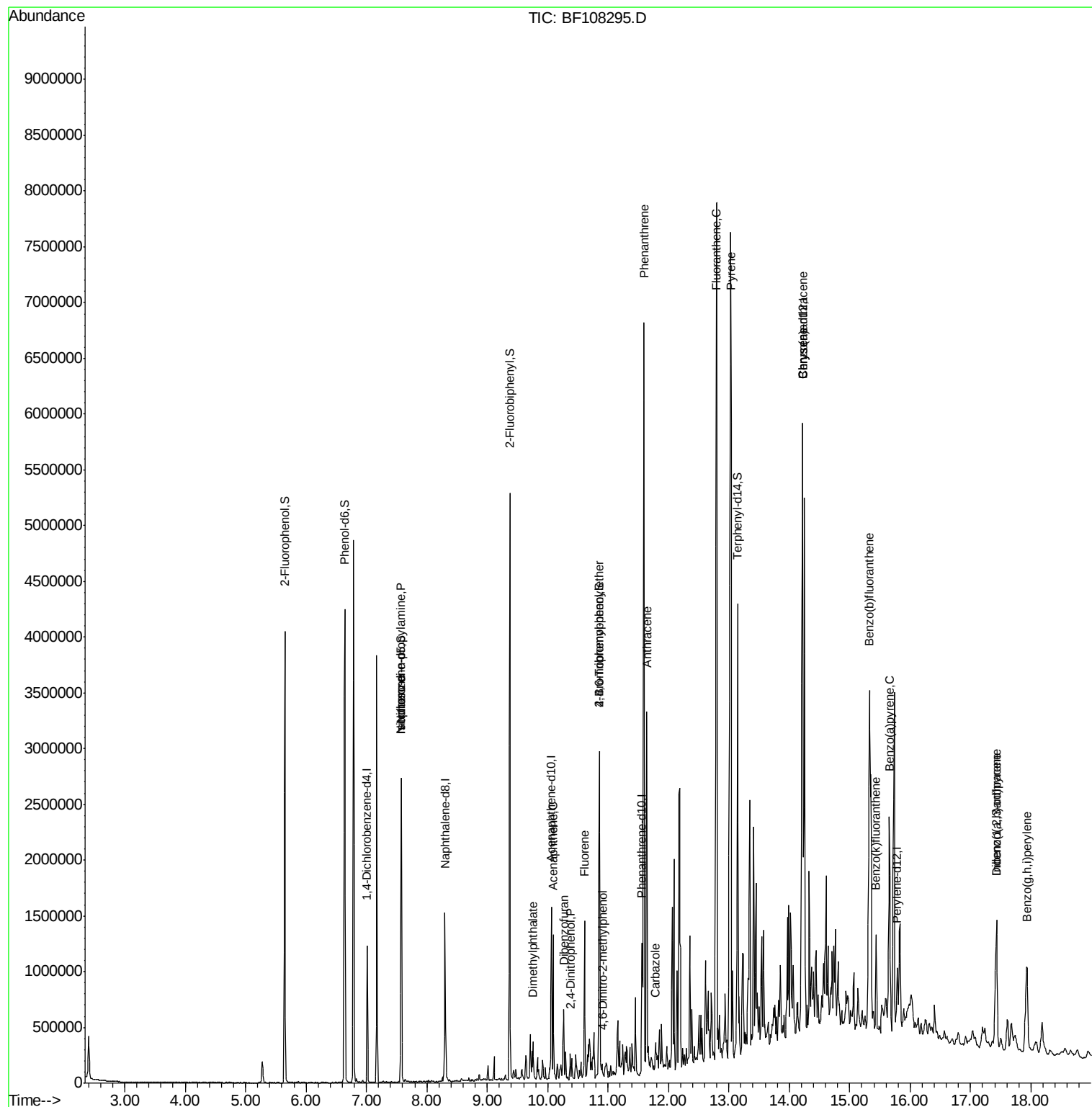
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.58	70	140614	15.474	ng	# 83
25) Isophorone	7.58	82	1004293	44.801	ng	# 64
49) Dimethylphthalate	9.76	163	88956	4.415	ng	# 97
51) Acenaphthene	10.10	154	251134	15.386	ng	99
53) 2,4-Dinitrophenol	10.37	184	309	7.199	ng	# 1
54) Dibenzofuran	10.27	168	204284	8.639	ng	99
57) Fluorene	10.61	166	372831	19.917	ng	99
64) 4,6-Dinitro-2-methylphenol	10.92	198	1139	5.932	ng	83
66) 4-Bromophenyl-phenylether	10.85	248	22490	4.406	ng	# 1
70) Phenanthrene	11.60	178	2849089	128.591	ng	95
71) Anthracene	11.64	178	1299627	57.231	ng	99
72) Carbazole	11.79	167	74581	3.697	ng	98
74) Fluoranthene	12.80	202	4335945	179.313	ng	93
77) Pyrene	13.03	202	4131926	195.780	ng	# 90
80) Benzo(a)anthracene	14.22	228	2433922	127.222	ng	94
82) Chrysene	14.22	228	2433922	138.769	ng	98
85) Indeno(1,2,3-cd)pyrene	17.43	276	884980	58.233	ng	# 87
87) Benzo(b)fluoranthene	15.33	252	3112644	182.481	ng	96
88) Benzo(k)fluoranthene	15.44	252	405000	25.829	ng	93
89) Benzo(a)pyrene	15.66	252	1049937	68.738	ng	97
90) Dibenzo(a,h)anthracene	17.43	278	244227	19.325	ng	# 92
91) Benzo(g,h,i)perylene	17.94	276	768511	61.755	ng	# 88

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

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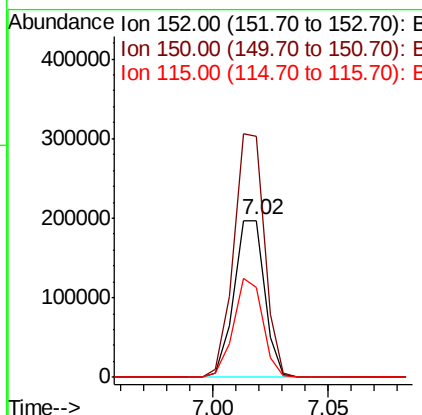
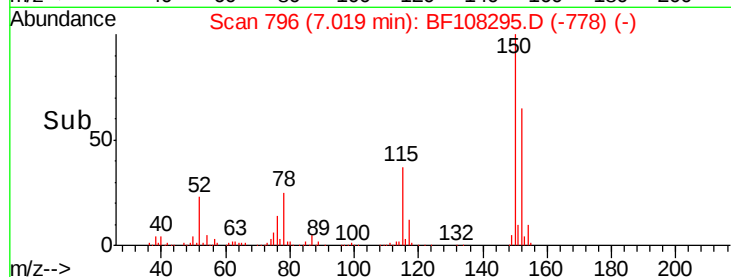
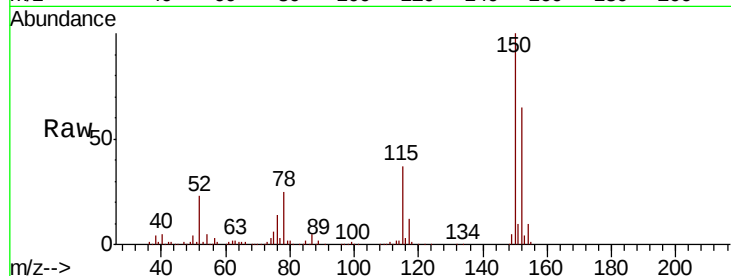


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108295.D
Acq: 20 Aug 2018 17:36

Instrument :
BNA_F
ClientSampleId :
72-12003

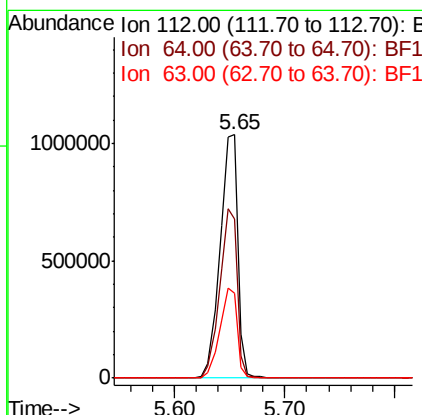
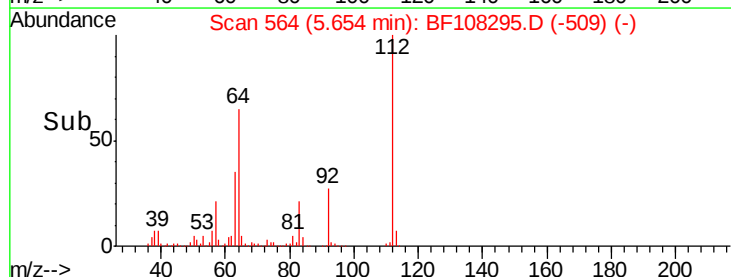
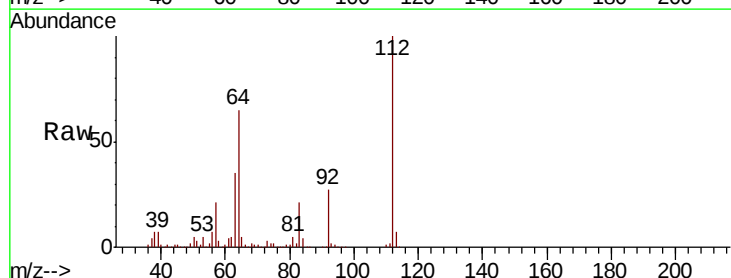
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	124.6	186.8
115	57.6	50.1	75.1



#5

2-Fluorophenol
Concen: 115.537 ng
RT: 5.65 min Scan# 564
Delta R.T. 0.02 min
Lab File: BF108295.D
Acq: 20 Aug 2018 17:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.2	47.9	71.9
63	34.6	23.7	35.5





#7

Phenol-d6

Concen: 113.570 ng

RT: 6.64 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF108295.D

Acq: 20 Aug 2018 17:36

Instrument :

BNA_F

ClientSampleId :

72-12003

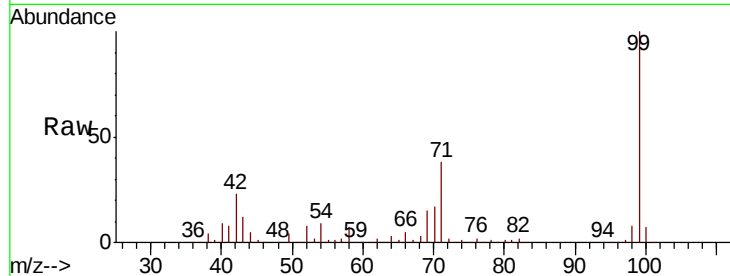
Tot Ion: 99 Resp: 1526133

Ion Ratio Lower Upper

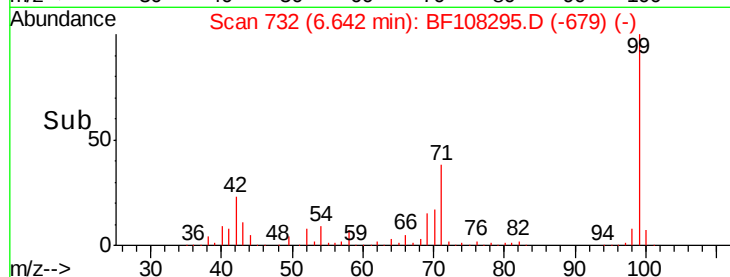
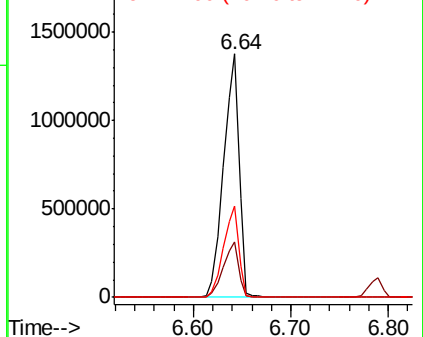
99 100

42 22.6 14.5 21.7#

71 37.7 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: 15.474 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.15 min

Lab File: BF108295.D

Acq: 20 Aug 2018 17:36

Tgt Ion: 70 Resp: 140614

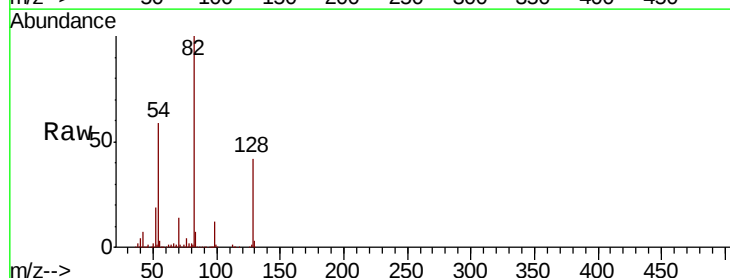
Ion Ratio Lower Upper

70 100

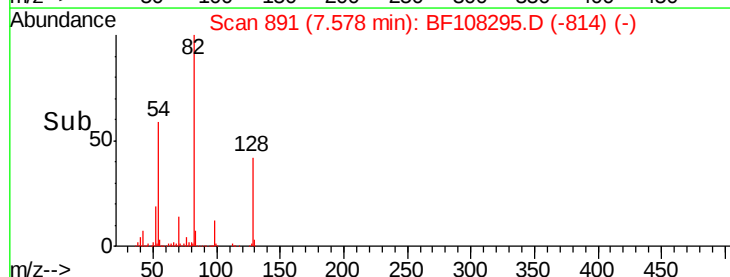
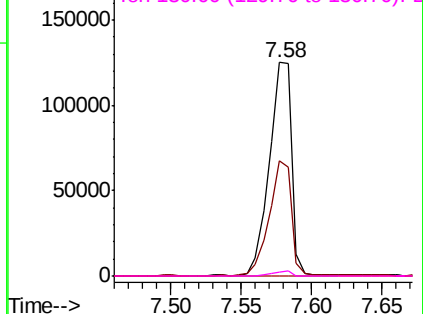
42 53.8 47.5 71.3

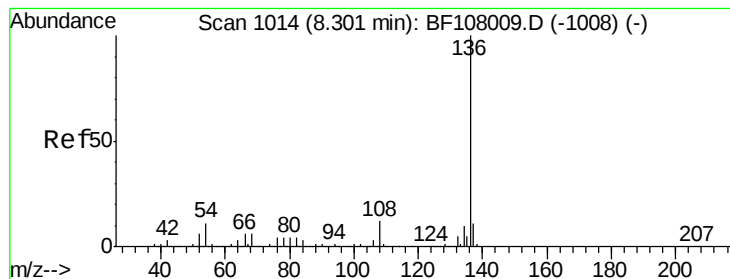
101 0.0 7.4 11.2#

130 2.0 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): E
Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF108295.D

Acq: 20 Aug 2018 17:36

Instrument :

BNA_F

ClientSampleId :

72-12003

Tot Ion:136 Resp: 656276

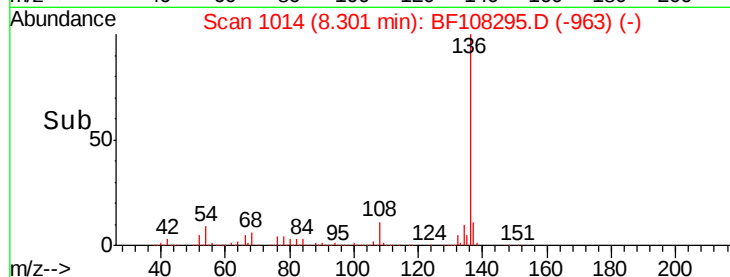
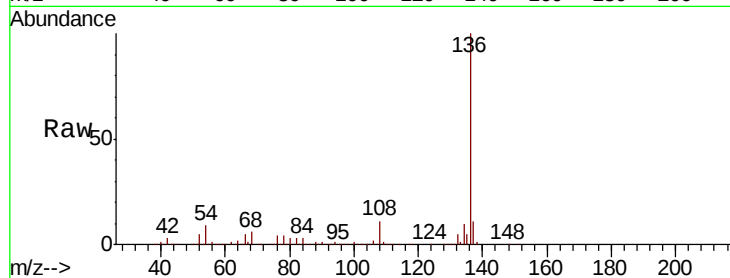
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 9.0 6.6 9.8

68 5.5 5.0 7.4

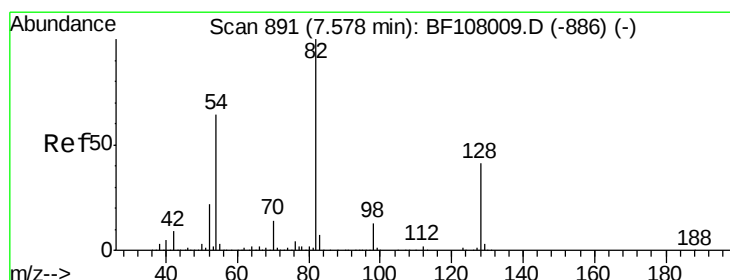
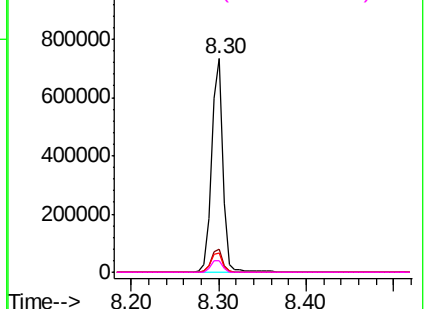


Abundance Ion 136.00 (135.70 to 136.70): E

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: 85.889 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.00 min

Lab File: BF108295.D

Acq: 20 Aug 2018 17:36

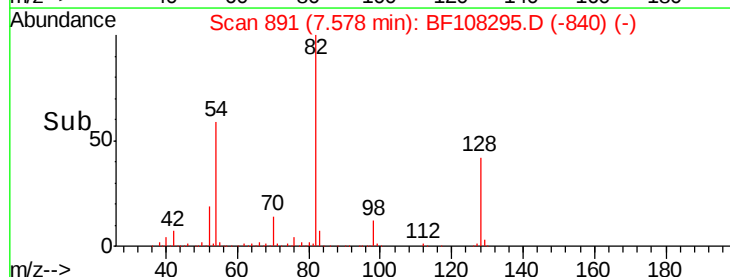
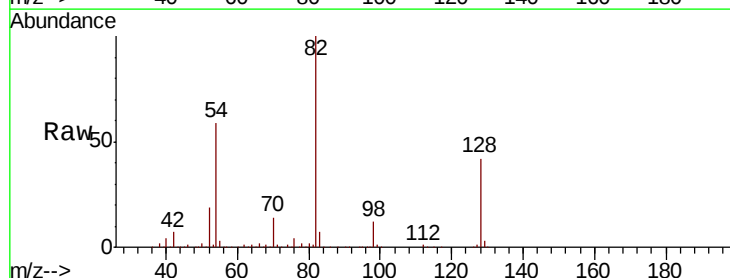
Tgt Ion: 82 Resp: 1010138

Ion Ratio Lower Upper

82 100

128 41.8 36.1 54.1

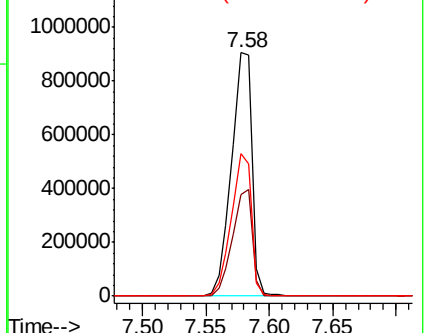
54 58.6 41.4 62.2



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

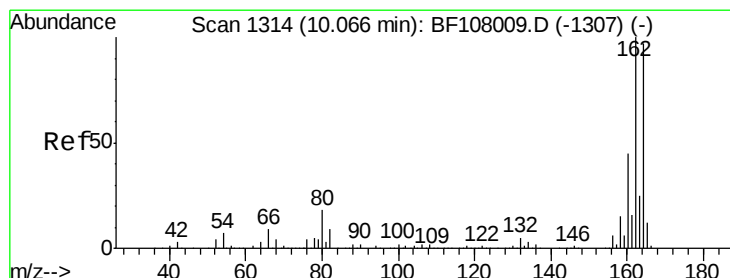
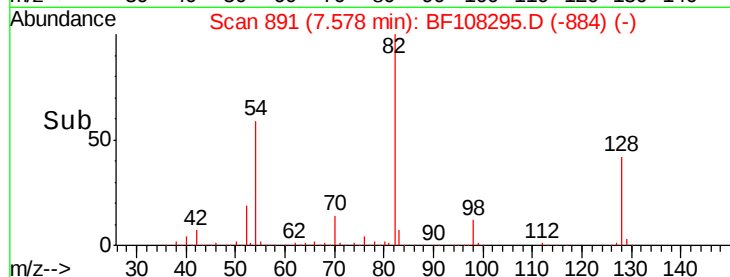
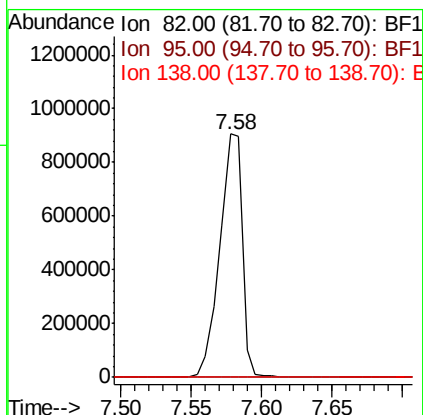
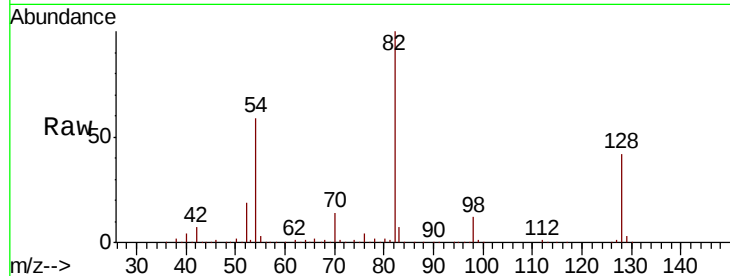




#25
Isophorone
Concen: 44.801 ng
RT: 7.58 min Scan# 891
Delta R.T. -0.26 min
Lab File: BF108295.D
Acq: 20 Aug 2018 17:36

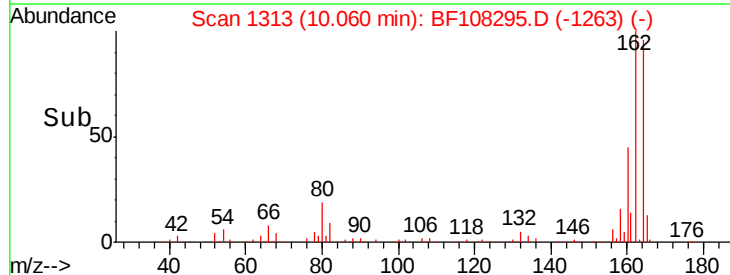
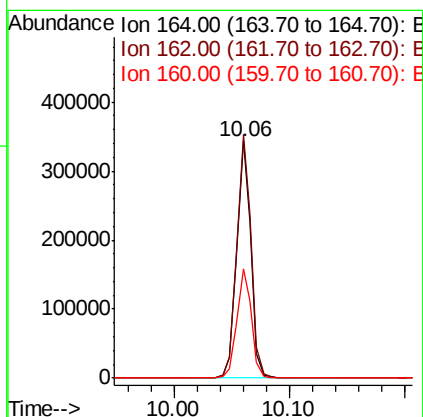
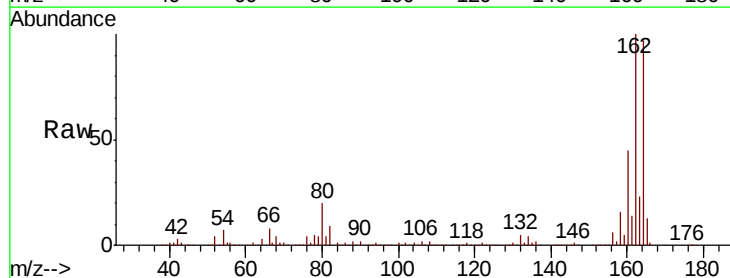
Instrument :
BNA_F
ClientSampled :
72-12003

Tot Ion: 82 Resp: 1004293
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF108295.D
Acq: 20 Aug 2018 17:36

Tgt Ion: 164 Resp: 289262
Ion Ratio Lower Upper
164 100
162 102.7 86.1 129.1
160 45.8 38.3 57.5

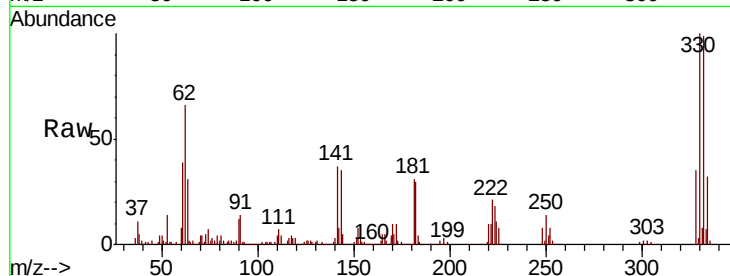




#41
 2,4,6-Tribromophenol
 Concen: 111.372 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108295.D
 Acq: 20 Aug 2018 17:36

Instrument :
 BNA_F
 ClientSampleId :
 72-12003

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.0	115.6
141	33.3	29.9	44.9

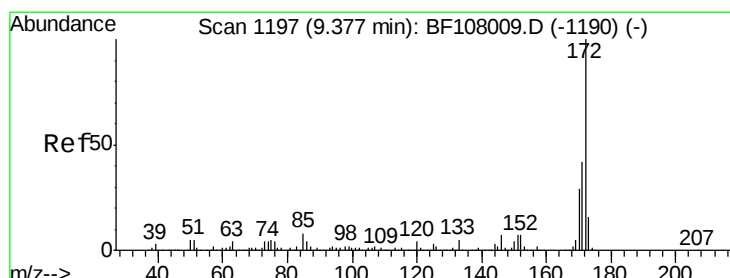
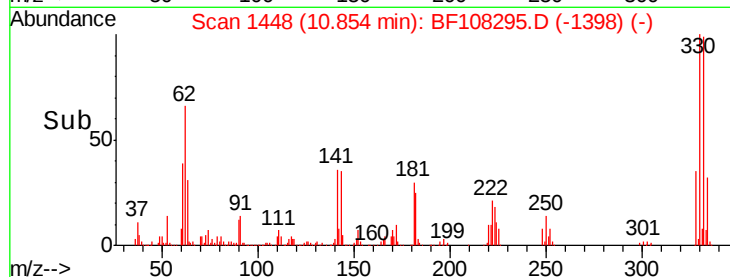
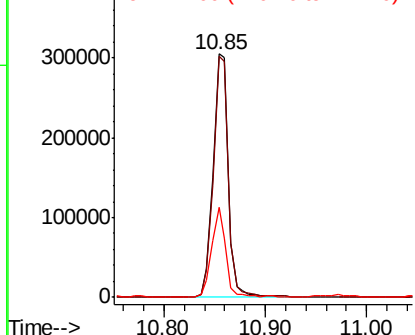


Abundance

Ion 329.80 (329.50 to 330.50): E

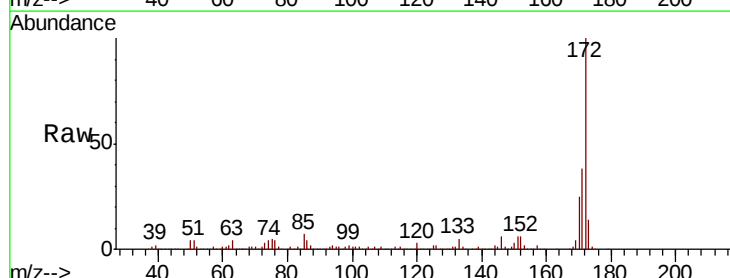
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 92.162 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108295.D
 Acq: 20 Aug 2018 17:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.5	29.7	44.5
170	25.3	19.6	29.4

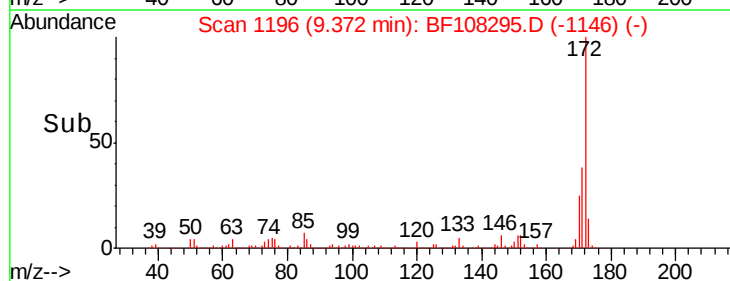
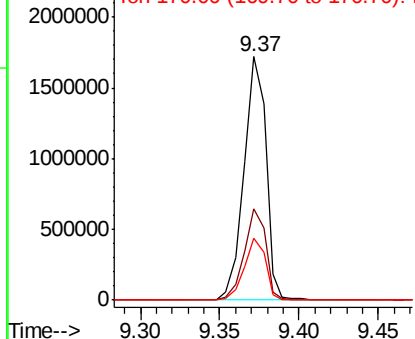


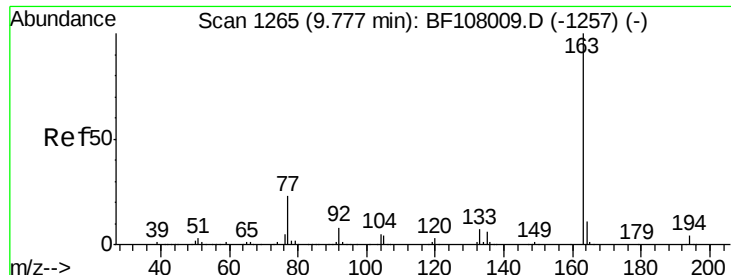
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

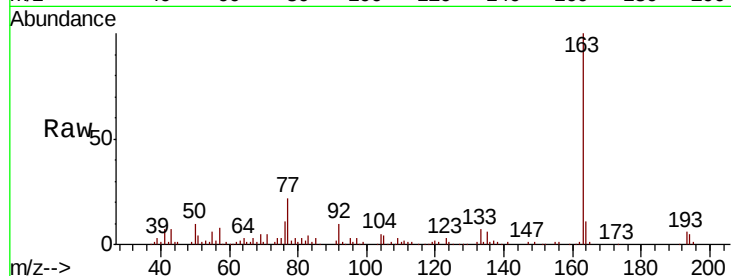




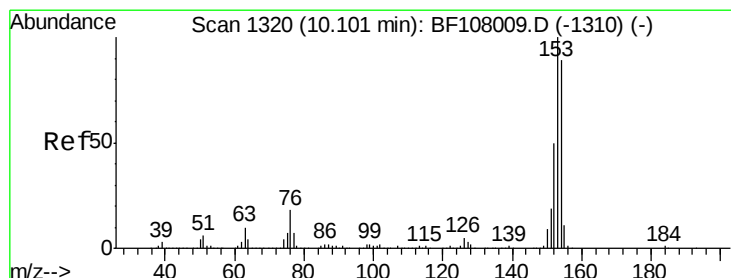
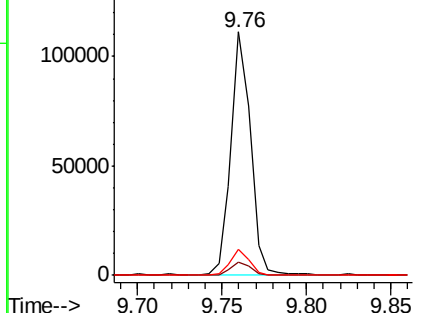
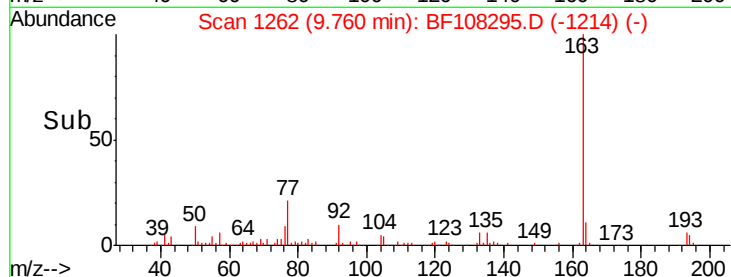
#49
Dimethylphthalate
Concen: 4.415 ng
RT: 9.76 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF108295.D
Acq: 20 Aug 2018 17:36

Instrument :
BNA_F
ClientSampleId :
72-12003

Tot Ion	Ratio	Lower	Upper
163	100		
194	5.3	2.7	4.1#
164	10.8	8.2	12.2

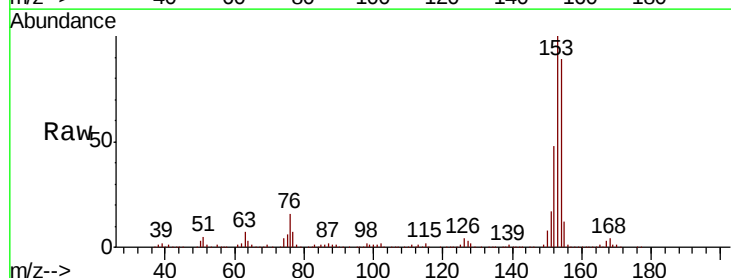


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

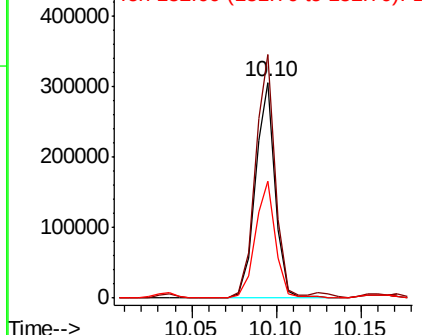
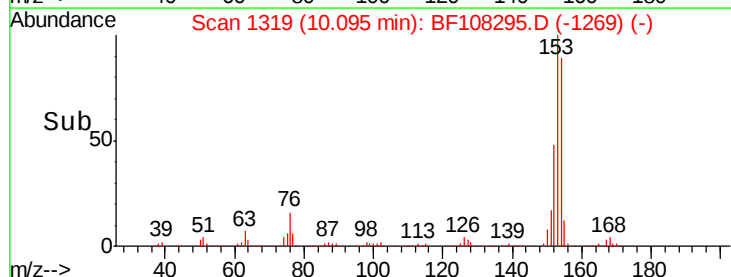


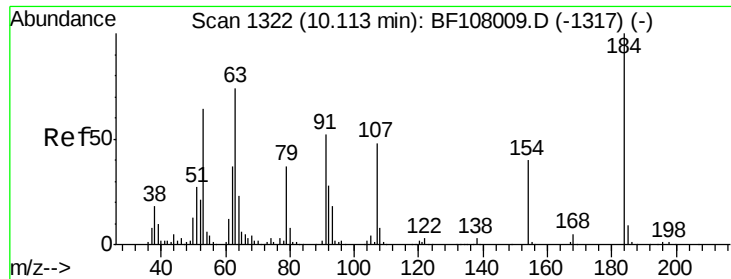
#51
Acenaphthene
Concen: 15.386 ng
RT: 10.10 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF108295.D
Acq: 20 Aug 2018 17:36

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.7	91.2	136.8
152	54.2	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

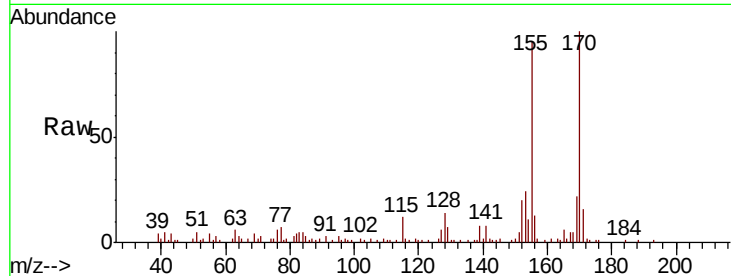




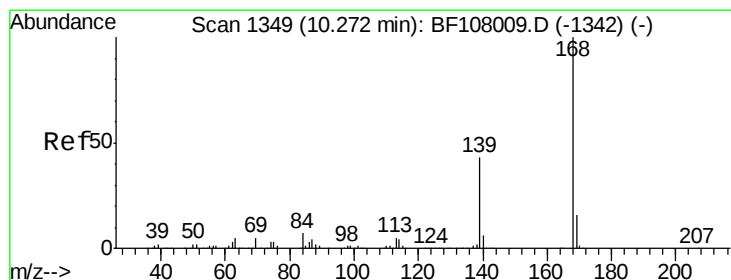
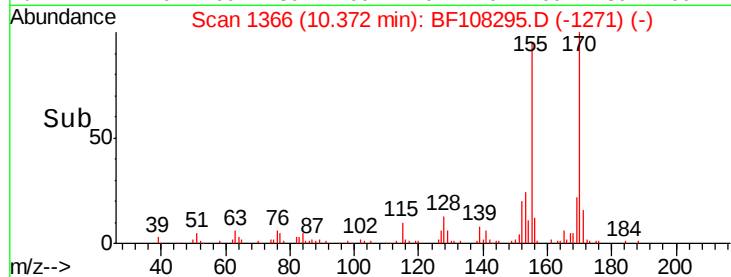
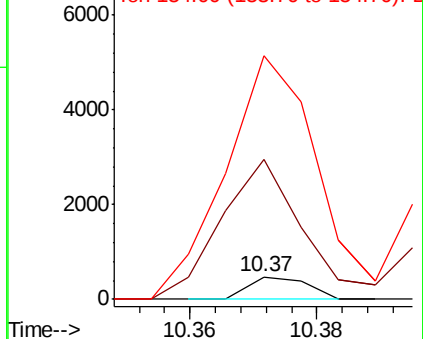
#53
 2,4-Dinitrophenol
 Concen: 7.199 ng
 RT: 10.37 min Scan# 1366
 Delta R.T. 0.26 min
 Lab File: BF108295.D
 Acq: 20 Aug 2018 17:36

Instrument :
 BNA_F
 ClientSampleId :
 72-12003

Tot Ion:184 Resp: 309
 Ion Ratio Lower Upper
 184 100
 63 619.2 54.2 81.2#
 154 1075.7 184.0 276.0#

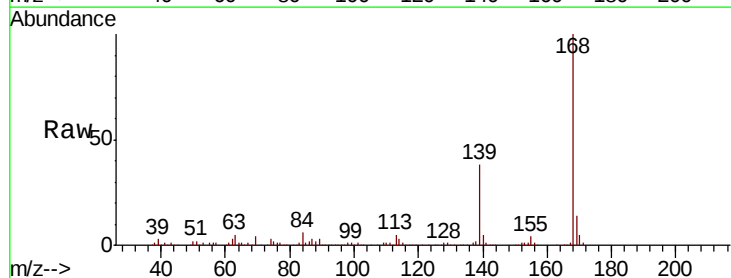


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 154.00 (153.70 to 154.70): E

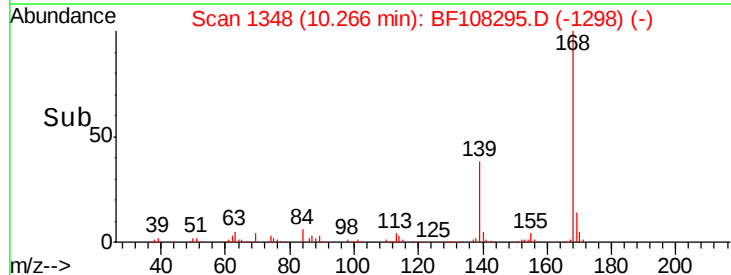
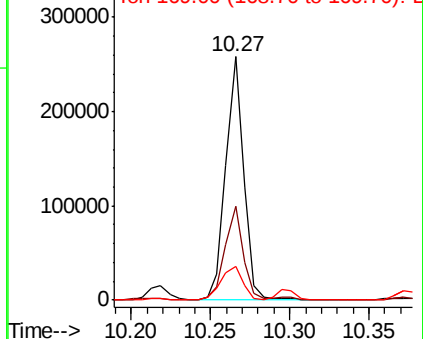


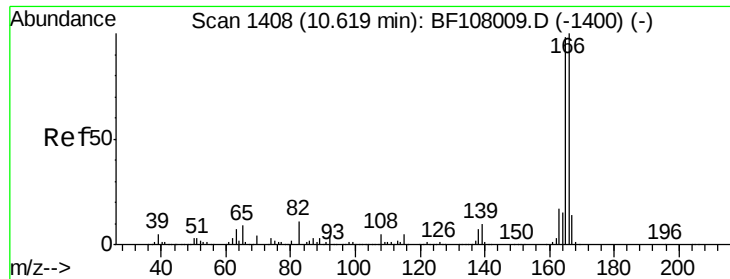
#54
 Dibenzofuran
 Concen: 8.639 ng
 RT: 10.27 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: BF108295.D
 Acq: 20 Aug 2018 17:36

Tgt Ion:168 Resp: 204284
 Ion Ratio Lower Upper
 168 100
 139 38.3 30.1 45.1
 169 14.0 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

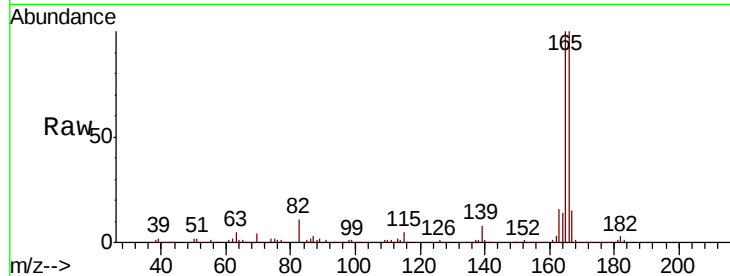




#57
 Fluorene
 Concen: 19.917 ng
 RT: 10.61 min Scan# 1407
 Delta R.T. -0.01 min
 Lab File: BF108295.D
 Acq: 20 Aug 2018 17:36

Instrument :
 BNA_F
 ClientSampled :
 72-12003

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.3	79.8	119.8
167	14.8	10.6	16.0

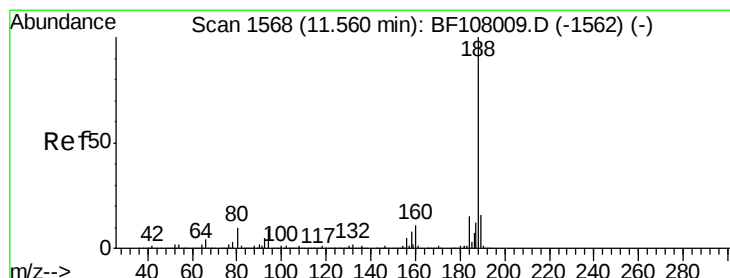
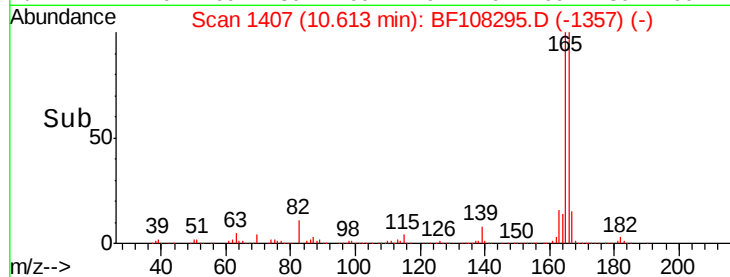
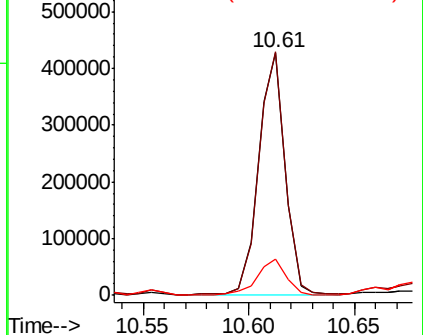


Abundance

Ion 166.00 (165.70 to 166.70): E

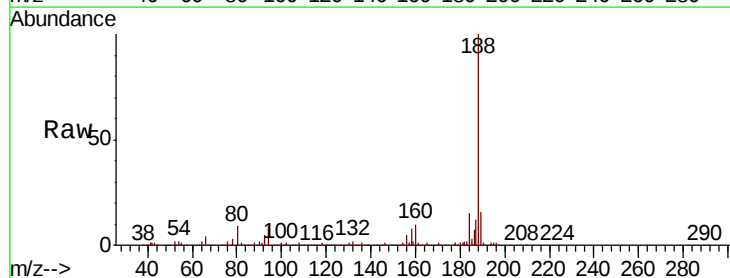
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: BF108295.D
 Acq: 20 Aug 2018 17:36

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.5	12.7
80	9.5	9.2	13.8

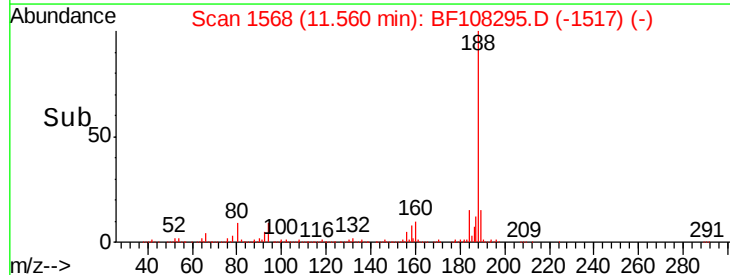
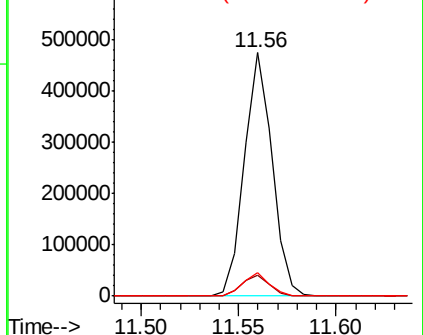


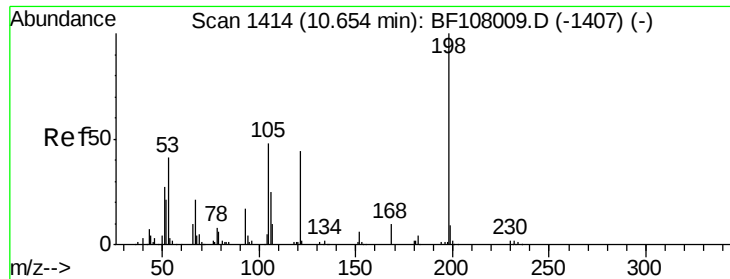
Abundance

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

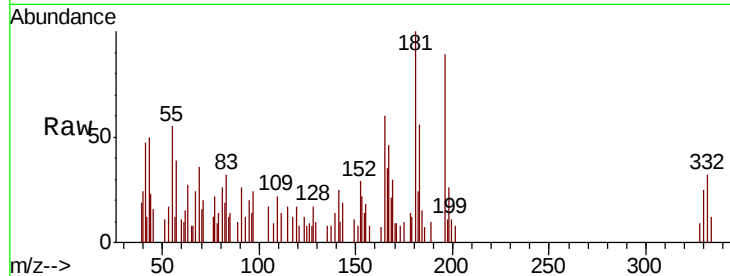




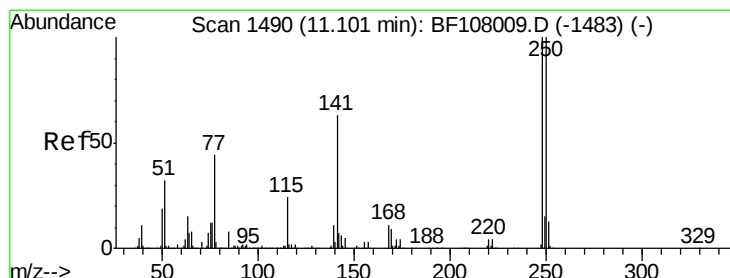
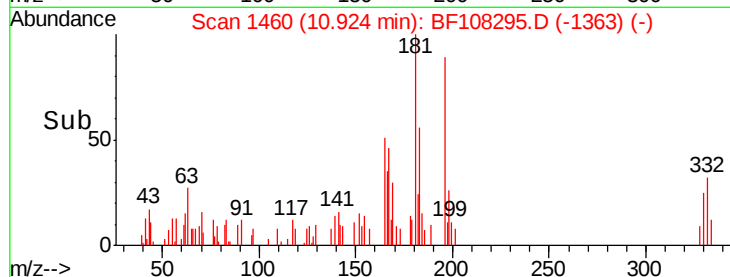
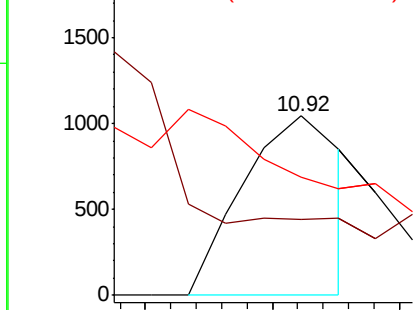
#64
4,6-Dinitro-2-methylphenol
Concen: 5.932 ng
RT: 10.92 min Scan# 1460
Delta R.T. 0.27 min
Lab File: BF108295.D
Acq: 20 Aug 2018 17:36

Instrument :
BNA_F
ClientSampleId :
72-12003

Tot Ion:198 Resp: 1139
Ion Ratio Lower Upper
198 100
51 42.2 37.7 77.7
105 66.1 36.3 76.3

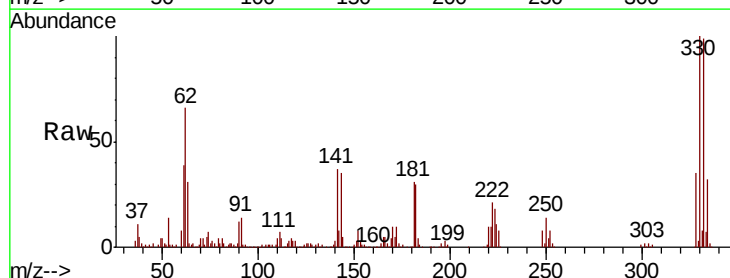


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

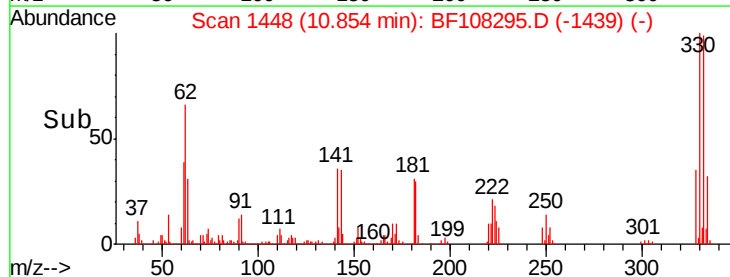
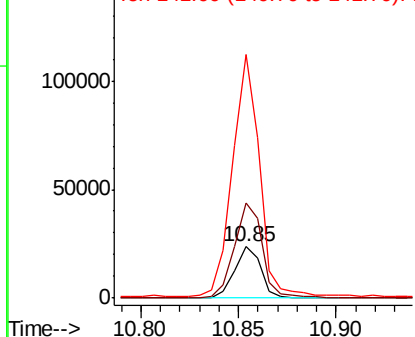


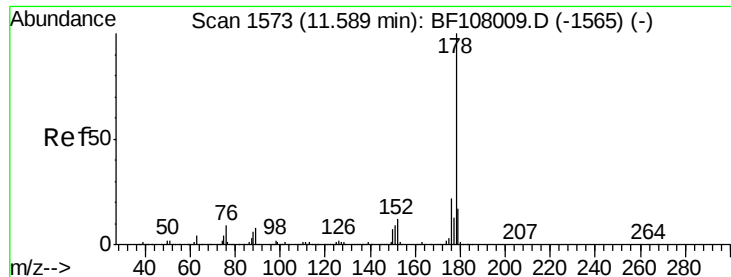
#66
4-Bromophenyl-phenylether
Concen: 4.406 ng
RT: 10.85 min Scan# 1448
Delta R.T. -0.25 min
Lab File: BF108295.D
Acq: 20 Aug 2018 17:36

Tgt Ion:248 Resp: 22490
Ion Ratio Lower Upper
248 100
250 186.0 76.9 115.3#
141 474.2 74.4 111.6#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 128.591 ng

RT: 11.60 min Scan# 1574

Delta R.T. 0.01 min

Lab File: BF108295.D

Acq: 20 Aug 2018 17:36

Instrument :

BNA_F

ClientSampleId :

72-12003

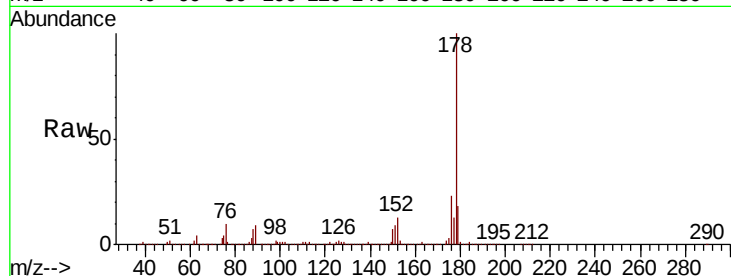
Tot Ion:178 Resp: 2849089

Ion Ratio Lower Upper

178 100

176 22.8 15.8 23.8

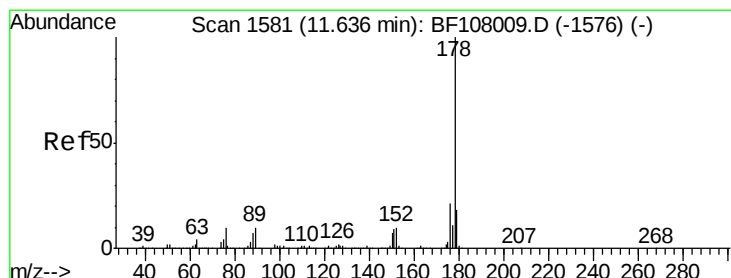
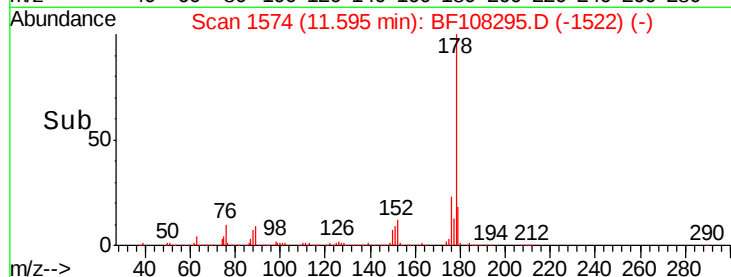
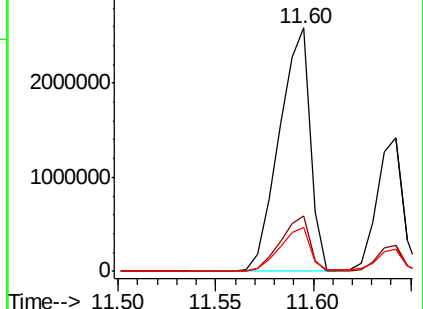
179 18.0 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 57.231 ng

RT: 11.64 min Scan# 1582

Delta R.T. 0.01 min

Lab File: BF108295.D

Acq: 20 Aug 2018 17:36

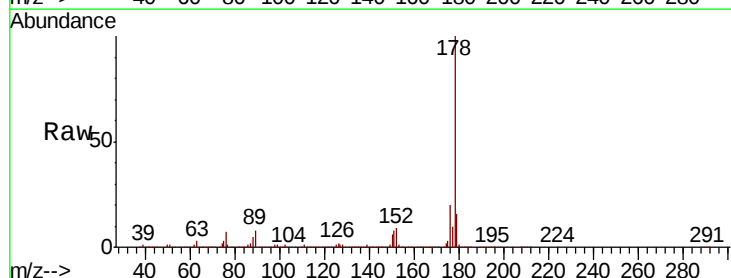
Tgt Ion:178 Resp: 1299627

Ion Ratio Lower Upper

178 100

176 19.7 15.4 23.2

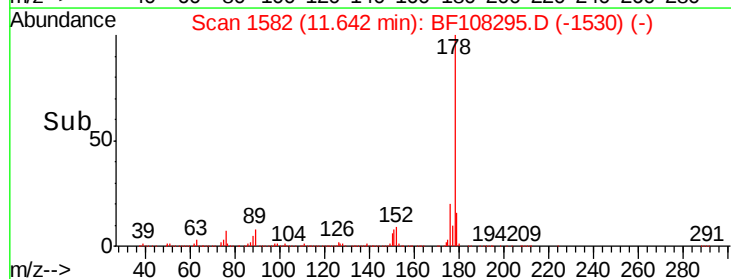
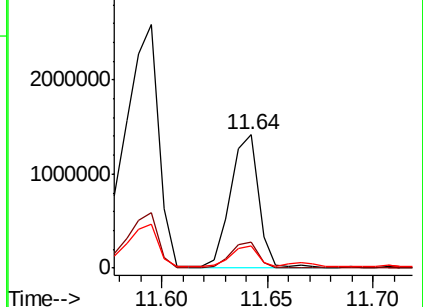
179 16.3 12.6 19.0

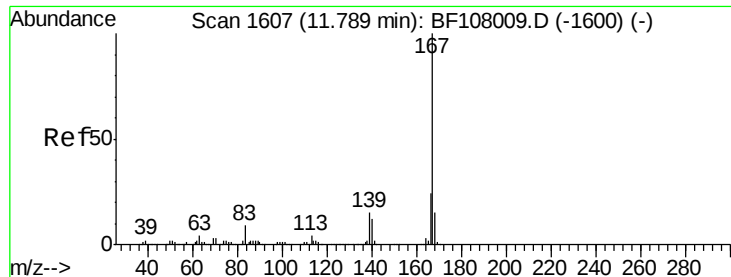


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

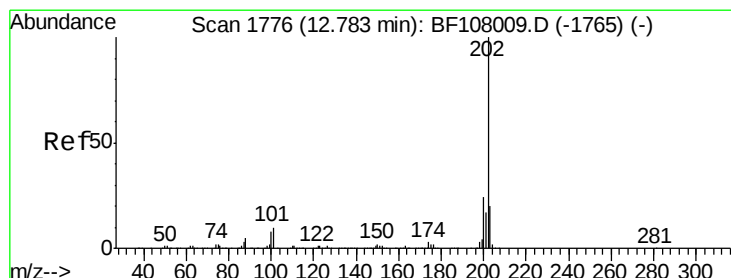
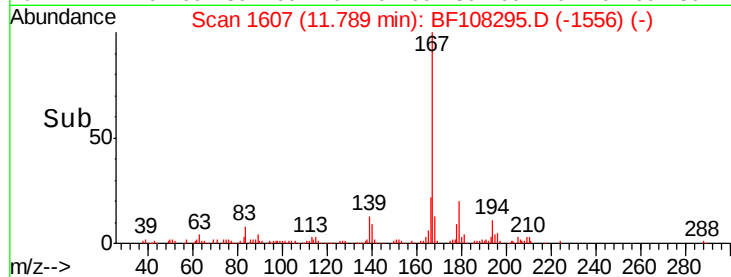
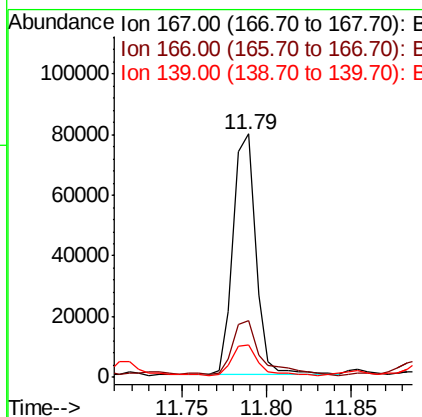
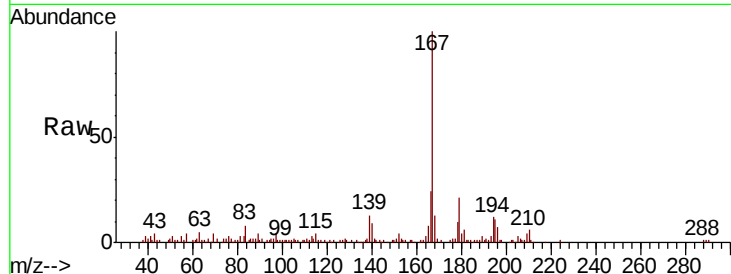




#72
 Carbazole
 Concen: 3.697 ng
 RT: 11.79 min Scan# 1607
 Delta R.T. 0.00 min
 Lab File: BF108295.D
 Acq: 20 Aug 2018 17:36

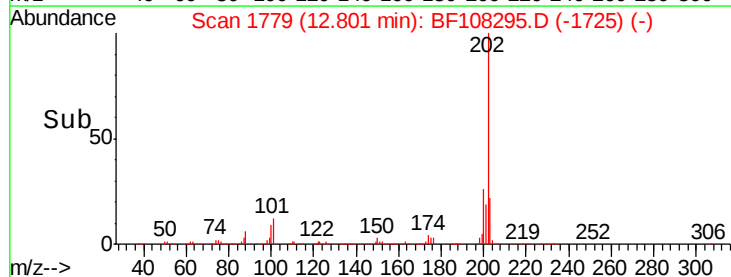
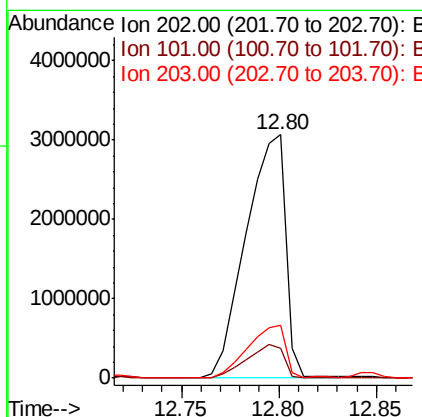
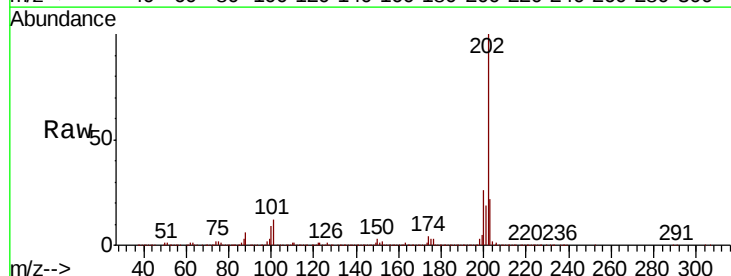
Instrument :
 BNA_F
 ClientSampled :
 72-12003

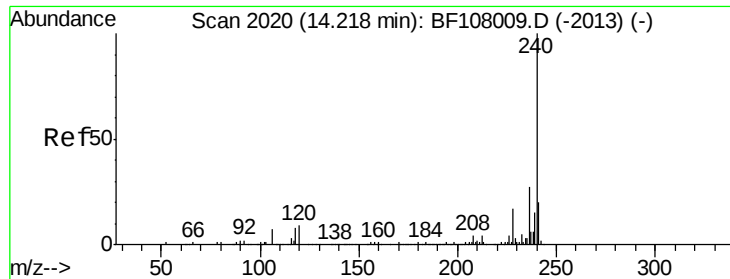
Tot Ion	Ratio	Lower	Upper
167	100		
166	23.5	17.6	26.4
139	13.3	10.9	16.3



#74
 Fluoranthene
 Concen: 179.313 ng
 RT: 12.80 min Scan# 1779
 Delta R.T. 0.02 min
 Lab File: BF108295.D
 Acq: 20 Aug 2018 17:36

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	34.1
203	21.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.22 min Scan# 2021

Delta R.T. 0.01 min

Lab File: BF108295.D

Acq: 20 Aug 2018 17:36

Instrument :

BNA_F

ClientSampleId :

72-12003

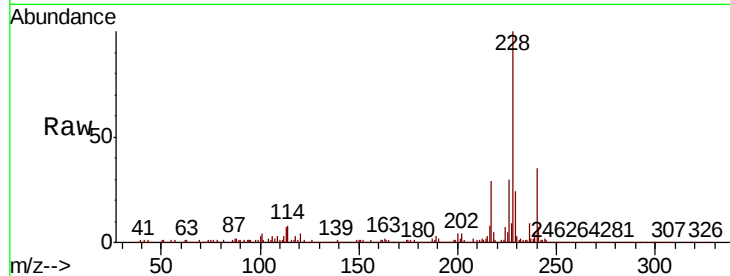
Tot Ion:240 Resp: 333357

Ion Ratio Lower Upper

240 100

120 11.5 9.5 14.3

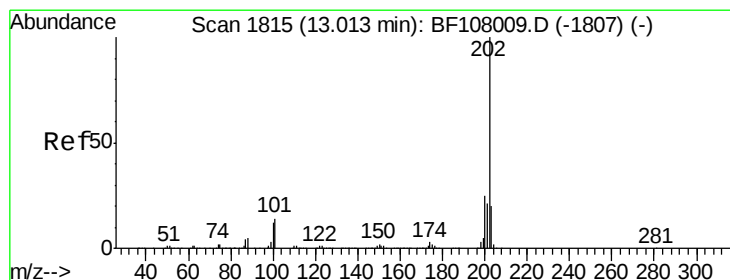
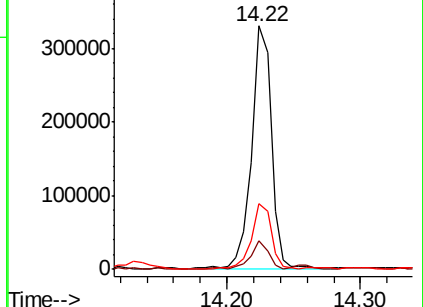
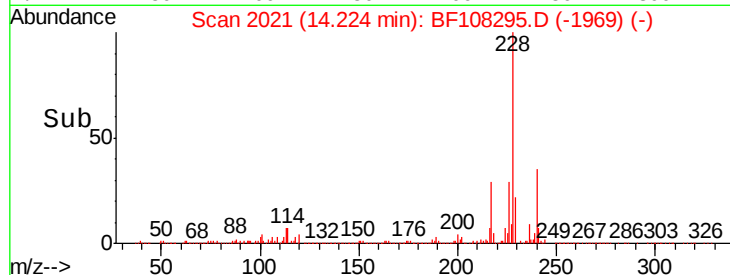
236 26.8 20.7 31.1



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: 195.780 ng

RT: 13.03 min Scan# 1818

Delta R.T. 0.02 min

Lab File: BF108295.D

Acq: 20 Aug 2018 17:36

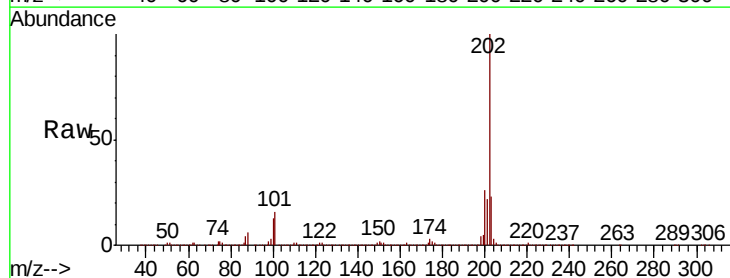
Tgt Ion:202 Resp: 4131926

Ion Ratio Lower Upper

202 100

200 26.1 17.4 26.2

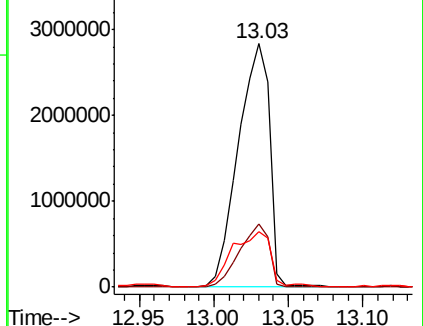
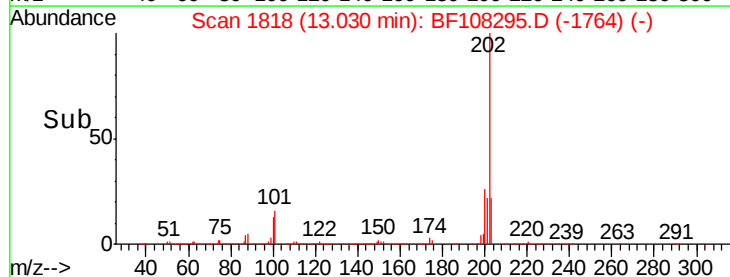
203 22.8 14.3 21.5#

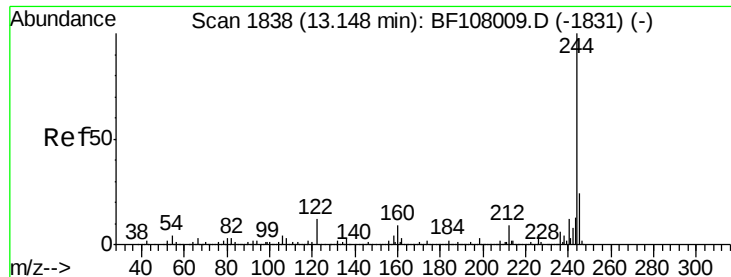


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 99.046 ng

RT: 13.15 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF108295.D

Acq: 20 Aug 2018 17:36

Instrument :

BNA_F

ClientSampleId :

72-12003

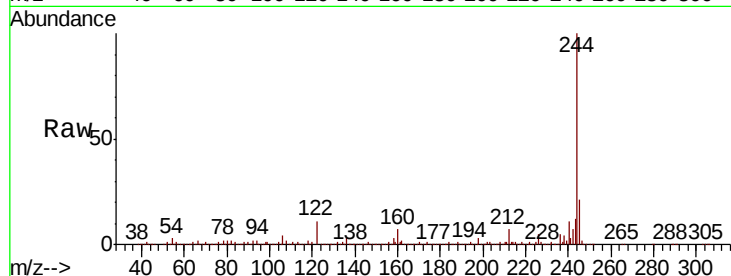
Tot Ion:244 Resp: 1298600

Ion Ratio Lower Upper

244 100

212 7.5 5.4 8.0

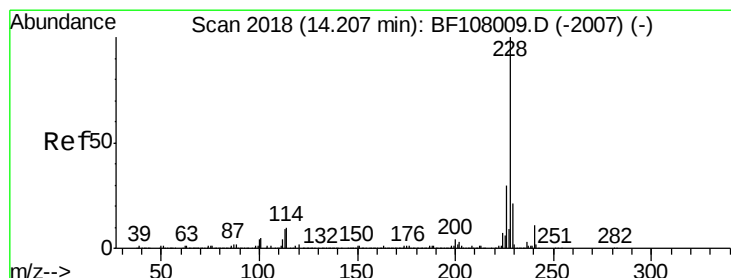
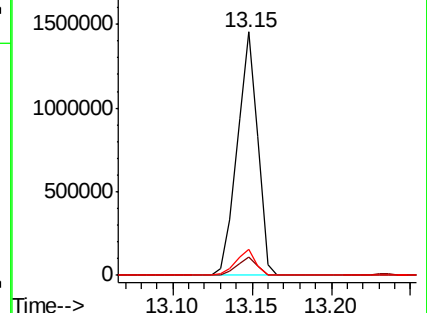
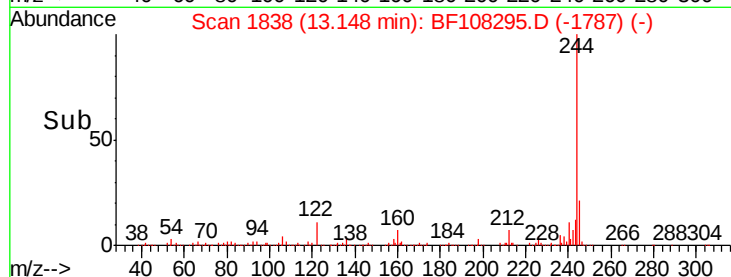
122 10.6 11.0 16.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 127.222 ng

RT: 14.22 min Scan# 2020

Delta R.T. 0.01 min

Lab File: BF108295.D

Acq: 20 Aug 2018 17:36

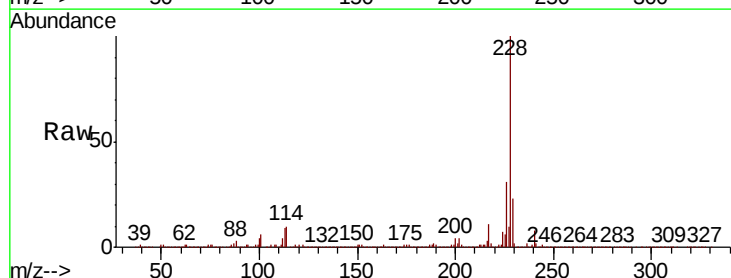
Tgt Ion:228 Resp: 2433922

Ion Ratio Lower Upper

228 100

226 31.1 22.6 33.8

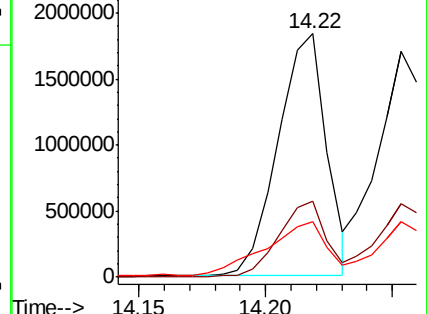
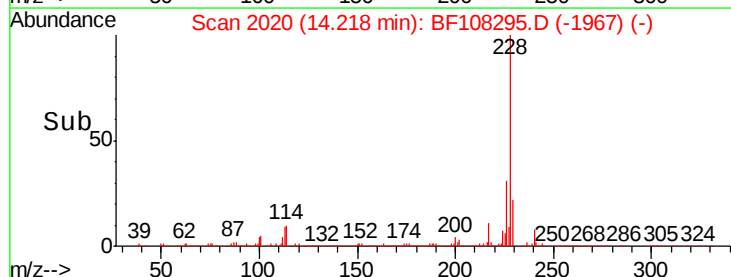
229 22.6 15.8 23.6

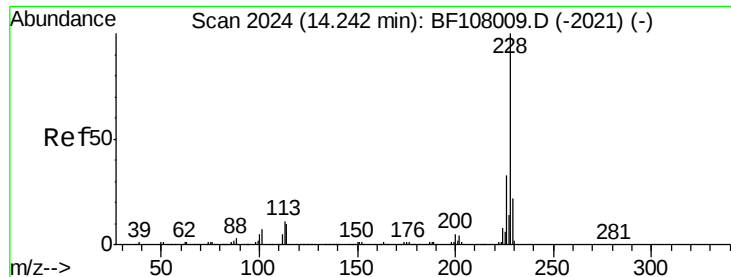


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 138.769 ng

RT: 14.22 min Scan# 2020

Delta R.T. -0.02 min

Lab File: BF108295.D

Acq: 20 Aug 2018 17:36

Instrument :

BNA_F

ClientSampleId :

72-12003

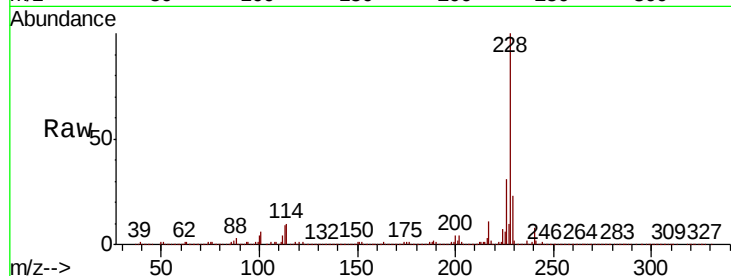
Tot Ion:228 Resp: 2433922

Ion Ratio Lower Upper

228 100

226 31.1 25.0 37.6

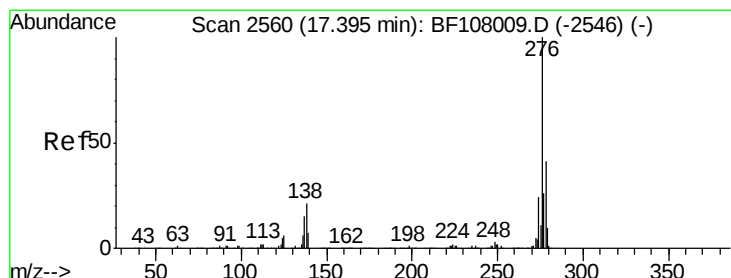
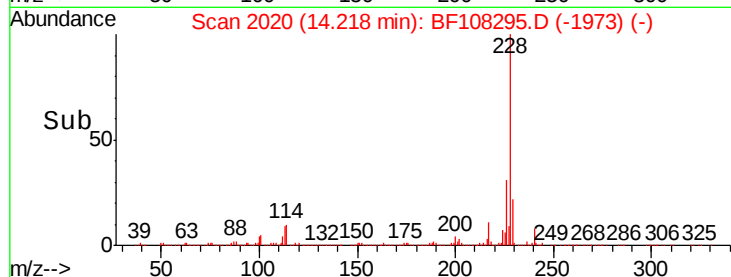
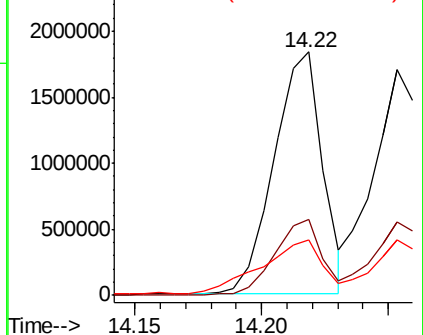
229 22.6 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 58.233 ng

RT: 17.43 min Scan# 2566

Delta R.T. 0.04 min

Lab File: BF108295.D

Acq: 20 Aug 2018 17:36

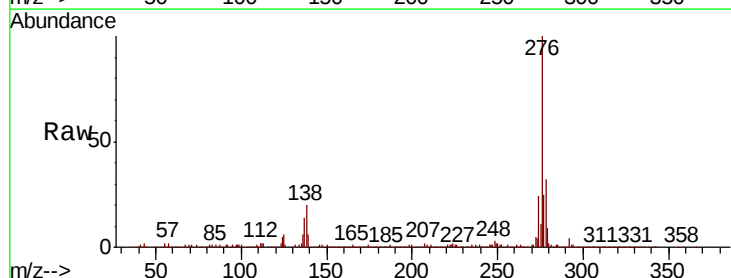
Tgt Ion:276 Resp: 884980

Ion Ratio Lower Upper

276 100

138 18.5 25.0 37.6#

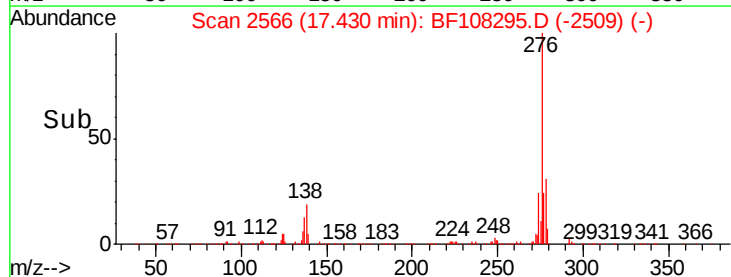
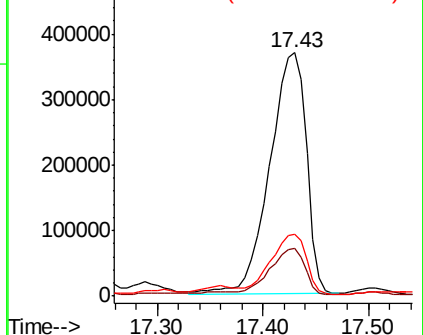
277 24.8 20.1 30.1

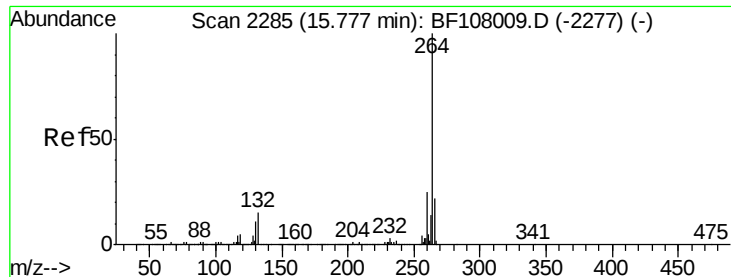


Abundance Ion 276.00 (275.70 to 276.70): E

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: 15.79 min Scan# 2287

Delta R.T. 0.01 min

Lab File: BF108295.D

Acq: 20 Aug 2018 17:36

Instrument :

BNA_F

ClientSampled :

72-12003

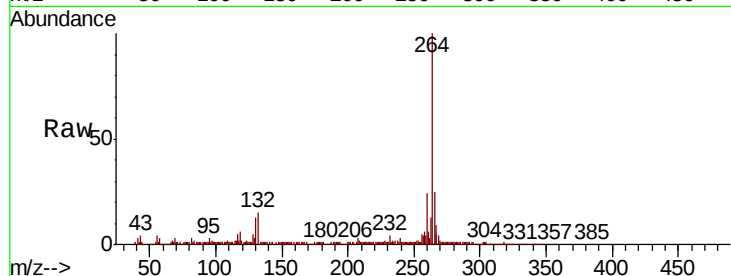
Tot Ion:264 Resp: 285459

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

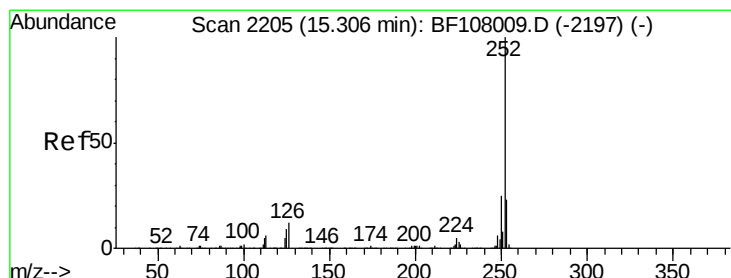
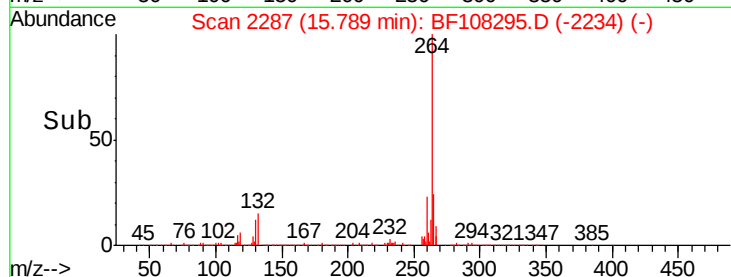
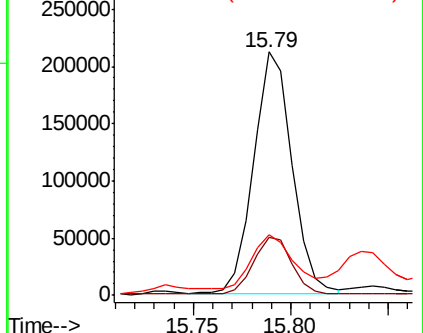
265 24.8 17.5 26.3



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: 182.481 ng

RT: 15.33 min Scan# 2209

Delta R.T. 0.02 min

Lab File: BF108295.D

Acq: 20 Aug 2018 17:36

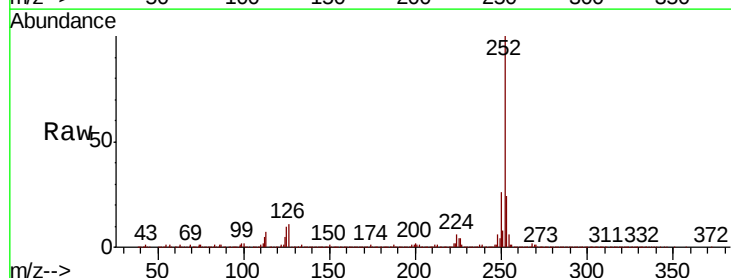
Tgt Ion:252 Resp: 3112644

Ion Ratio Lower Upper

252 100

253 23.6 17.0 25.6

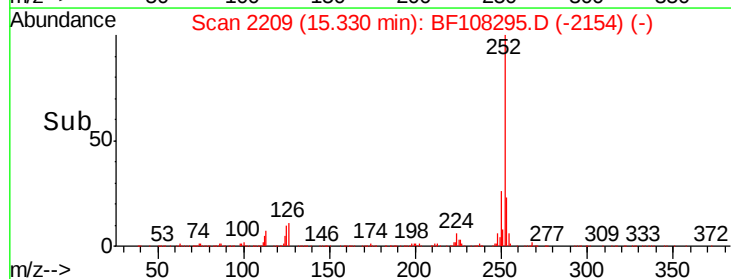
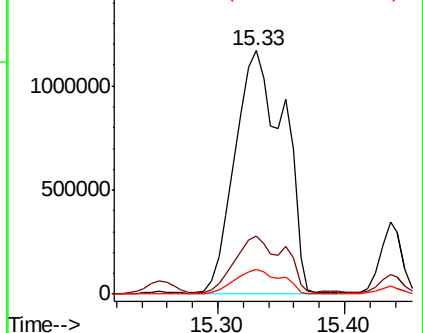
125 10.1 9.0 13.6

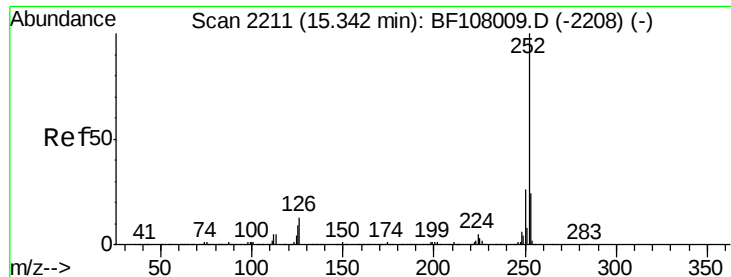


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

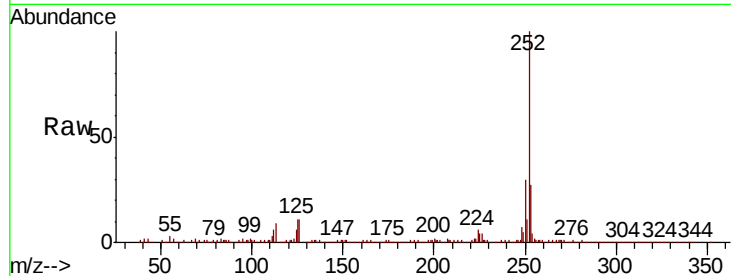




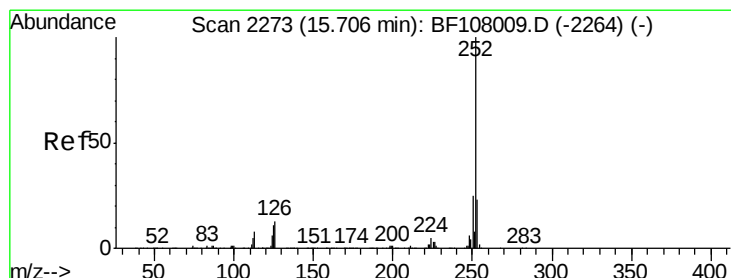
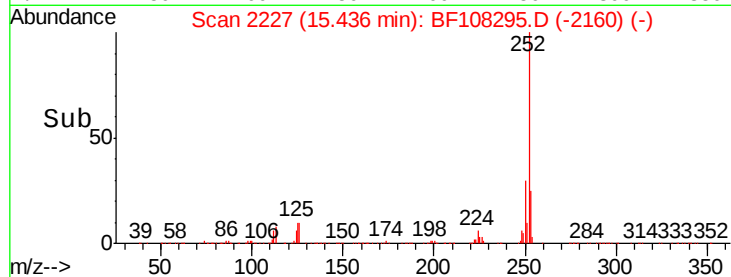
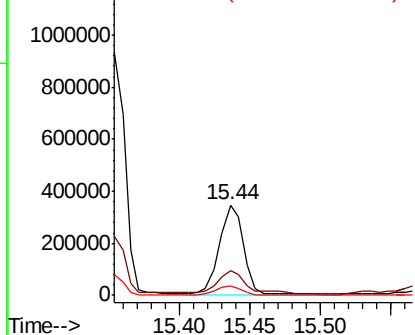
#88
Benzo(k)fluoranthene
Concen: 25.829 ng
RT: 15.44 min Scan# 2227
Delta R.T. 0.09 min
Lab File: BF108295.D
Acq: 20 Aug 2018 17:36

Instrument :
BNA_F
ClientSampleId :
72-12003

Tot Ion:252 Resp: 405000
Ion Ratio Lower Upper
252 100
253 26.8 17.9 26.9
125 11.1 10.2 15.2

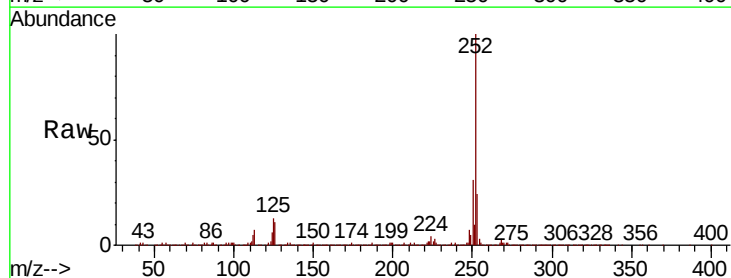


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

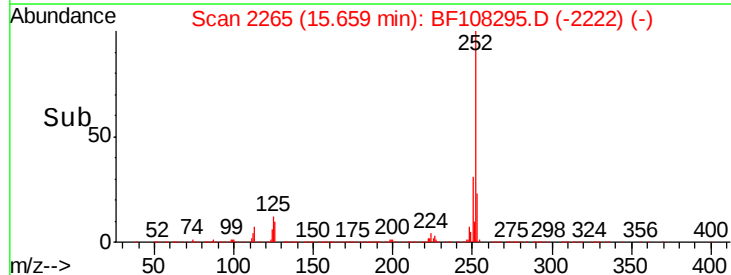
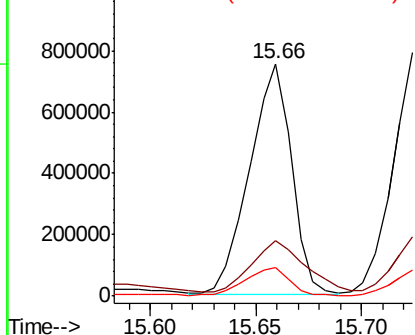


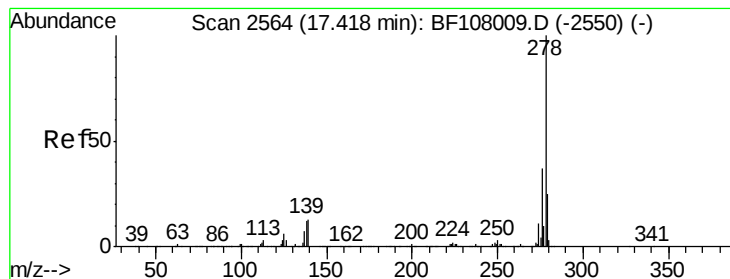
#89
Benzo(a)pyrene
Concen: 68.738 ng
RT: 15.66 min Scan# 2265
Delta R.T. -0.05 min
Lab File: BF108295.D
Acq: 20 Aug 2018 17:36

Tgt Ion:252 Resp: 1049937
Ion Ratio Lower Upper
252 100
253 23.6 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: 19.325 ng

RT: 17.43 min Scan# 2566

Delta R.T. 0.01 min

Lab File: BF108295.D

Acq: 20 Aug 2018 17:36

Instrument :

BNA_F

ClientSampleId :

72-12003

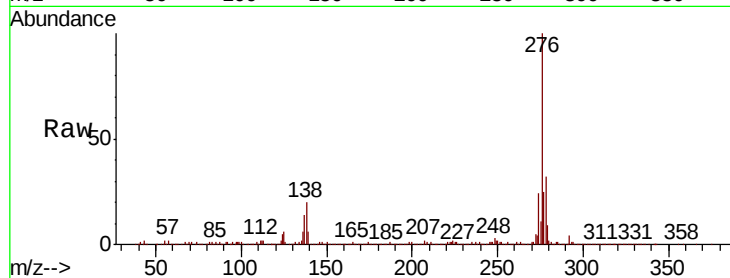
Tot Ion:278 Resp: 244227

Ion Ratio Lower Upper

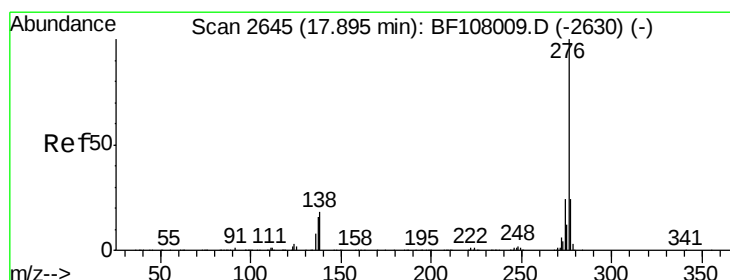
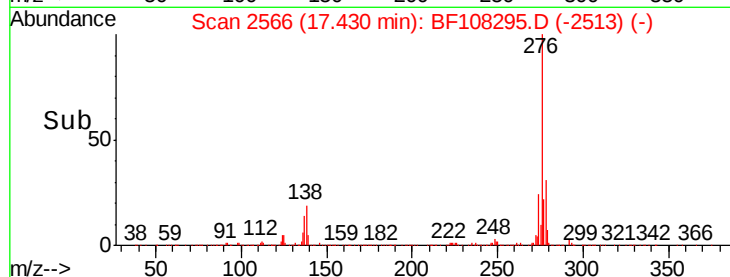
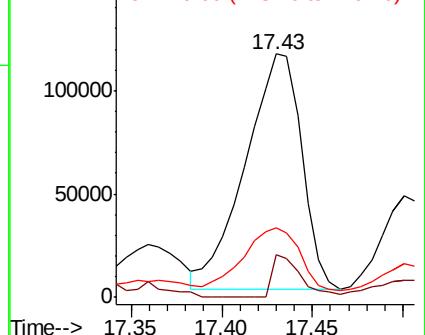
278 100

139 17.4 15.9 23.9

279 28.5 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: 61.755 ng

RT: 17.94 min Scan# 2652

Delta R.T. 0.04 min

Lab File: BF108295.D

Acq: 20 Aug 2018 17:36

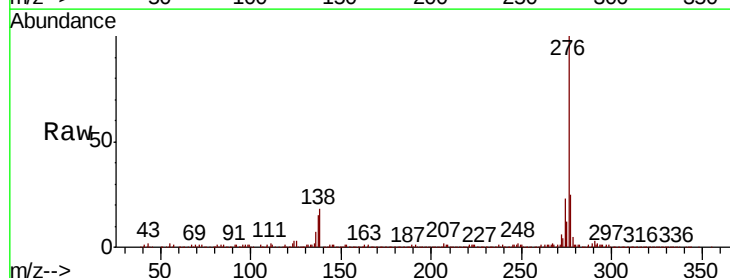
Tgt Ion:276 Resp: 768511

Ion Ratio Lower Upper

276 100

277 24.5 17.9 26.9

138 18.0 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

