

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092518\
 Data File : BF109293.D
 Acq On : 25 Sep 2018 18:37
 Operator : JU/SJ
 Sample : J4779-09 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 26 02:26:37 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	116977	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	413413	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	169814	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	297993	20.00	ng	0.00
75) Chrysene-d12	13.85	240	253176	20.00	ng	0.00
86) Perylene-d12	15.25	264	192012	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.31	112	294771	41.50	ng	0.00
7) Phenol-d6	6.34	99	380837	42.02	ng	-0.02
23) Nitrobenzene-d5	7.27	82	228258	32.59	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	67760	40.48	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	395439	35.12	ng	0.00
78) Terphenyl-d14	12.80	244	341348	33.09	ng	0.00

Target Compounds

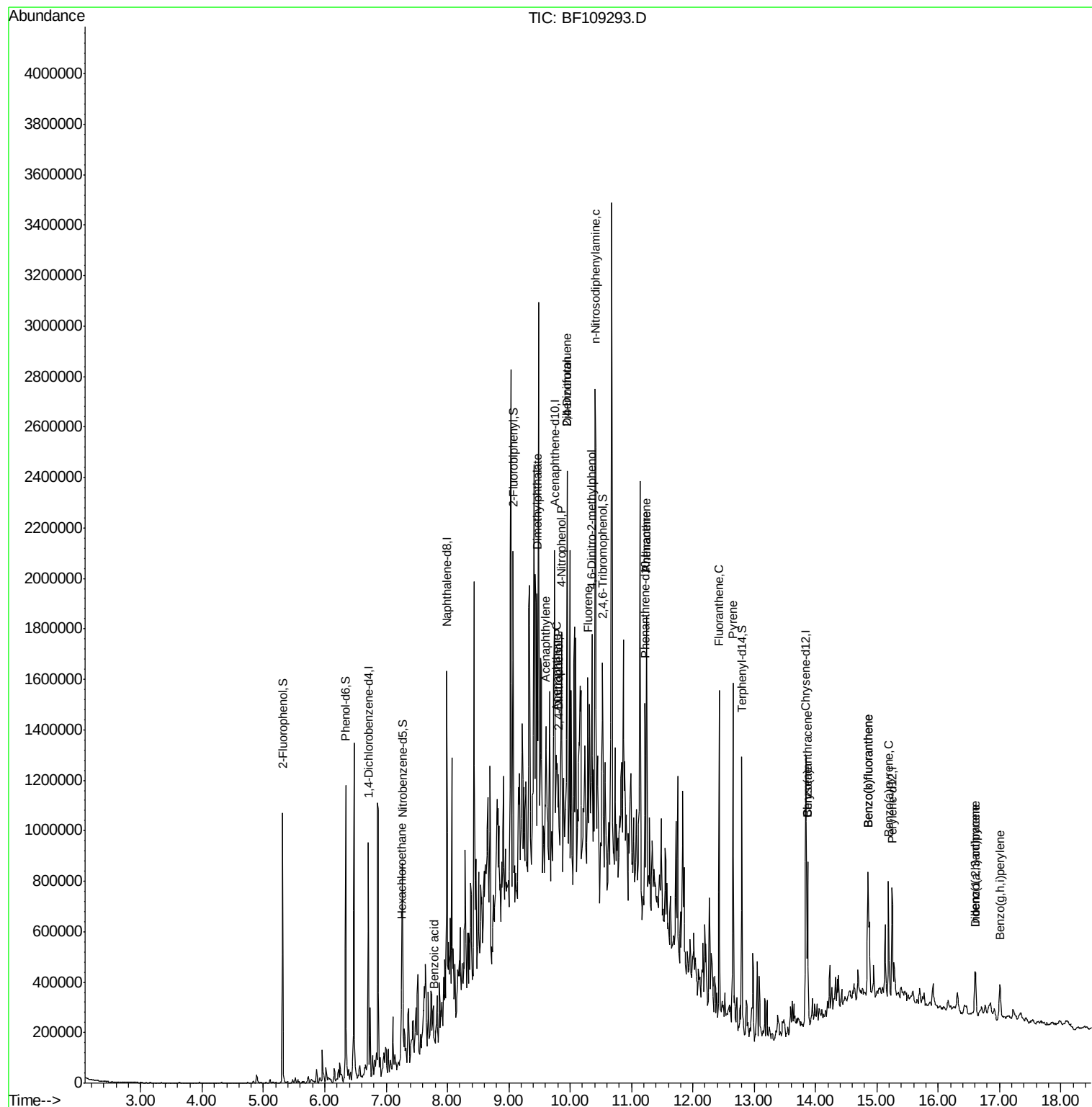
						Qvalue
18) Hexachloroethane	7.25	117	9207	2.853	ng	# 1
32) Benzoic acid	7.79	122	1915	7.237	ng	# 1
48) Acenaphthylene	9.60	152	90078	5.402	ng	# 82
49) Dimethylphthalate	9.46	163	102060	8.263	ng	# 86
51) Acenaphthene	9.77	154	45843	4.547	ng	# 95
53) 2,4-Dinitrophenol	9.80	184	434	8.949	ng	# 1
54) Dibenzofuran	9.95	168	57572	3.840	ng	# 14
55) 4-Nitrophenol	9.85	139	24833	11.637	ng	# 62
56) 2,4-Dinitrotoluene	9.95	165	12333	3.985	ng	# 54
57) Fluorene	10.29	166	106792	9.983	ng	# 93
64) 4,6-Dinitro-2-methylphenol	10.35	198	2031	7.991	ng	# 1
65) n-Nitrosodiphenylamine	10.41	169	100696	10.228	ng	# 43
70) Phenanthrene	11.25	178	408490	27.455	ng	# 99
71) Anthracene	11.25	178	408490	27.068	ng	# 99
74) Fluoranthene	12.43	202	517501	32.546	ng	# 95
77) Pyrene	12.66	202	536006	29.541	ng	# 100
80) Benzo(a)anthracene	13.87	228	262965	17.244	ng	# 96
82) Chrysene	13.87	228	262965	17.398	ng	# 97
85) Indeno(1,2,3-cd)pyrene	16.60	276	116090	9.476	ng	# 89
87) Benzo(b)fluoranthene	14.86	252	367582	34.839	ng	# 97
88) Benzo(k)fluoranthene	14.86	252	367582	36.714	ng	# 97
89) Benzo(a)pyrene	15.19	252	200294	21.067	ng	# 97
90) Dibenzo(a,h)anthracene	16.62	278	29017	3.720	ng	# 93
91) Benzo(g,h,i)perylene	17.01	276	101852	13.287	ng	# 91

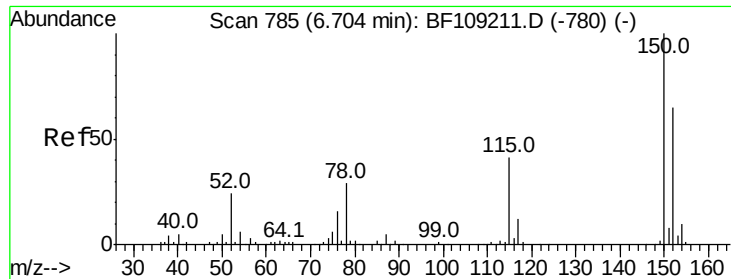
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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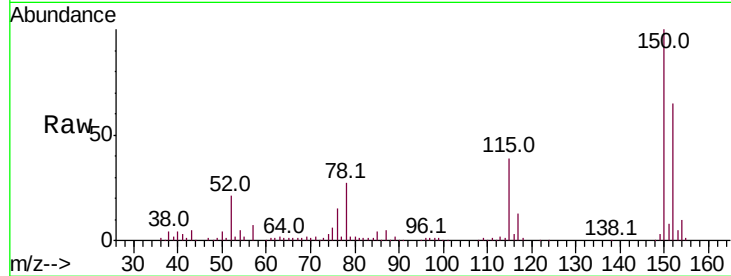


#1

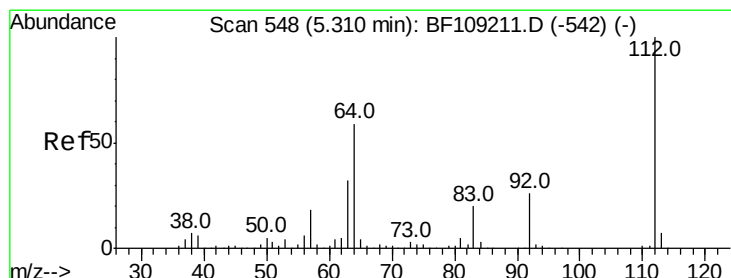
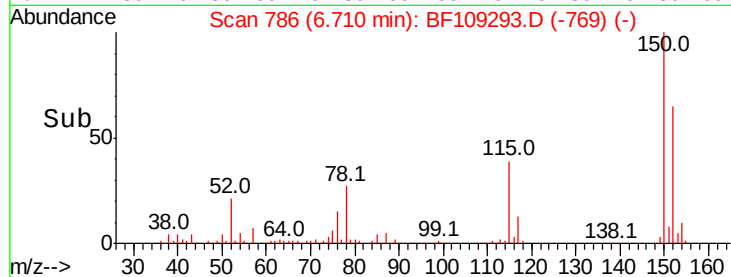
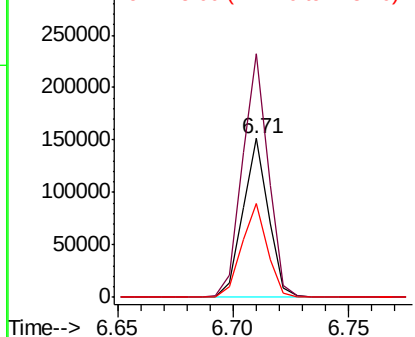
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.71 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: BF109293.D
 Acq: 25 Sep 2018 18:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 116977
 Ion Ratio Lower Upper
 152 100
 150 153.3 124.6 186.8
 115 59.2 50.1 75.1



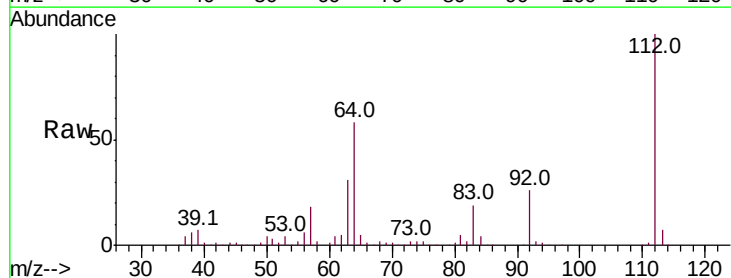
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



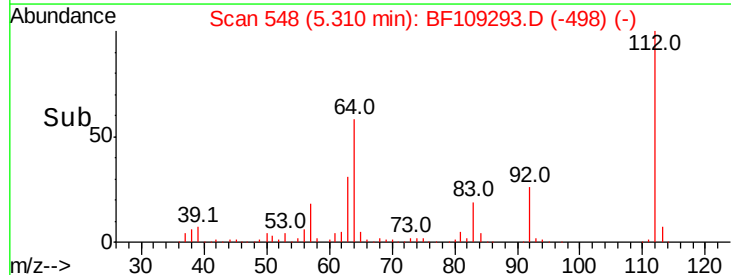
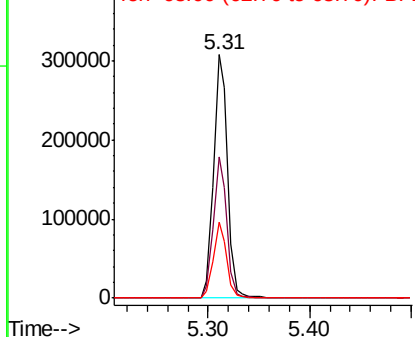
#5

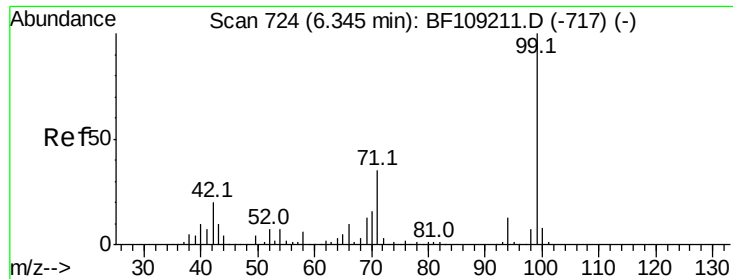
2-Fluorophenol
 Concen: 41.505 ng
 RT: 5.31 min Scan# 548
 Delta R.T. -0.01 min
 Lab File: BF109293.D
 Acq: 25 Sep 2018 18:37

Tgt Ion:112 Resp: 294771
 Ion Ratio Lower Upper
 112 100
 64 57.8 47.9 71.9
 63 31.1 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: 42.023 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109293.D

Acq: 25 Sep 2018 18:37

Instrument :

BNA_F

ClientSampled :

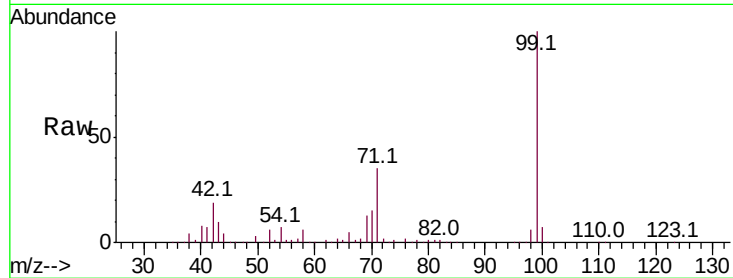
Tot Ion: 99 Resp: 380837

Ion Ratio Lower Upper

99 100

42 19.1 14.5 21.7

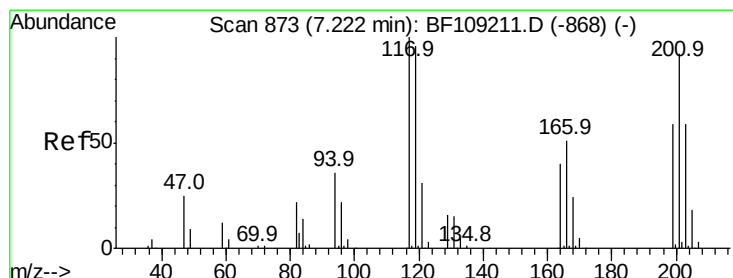
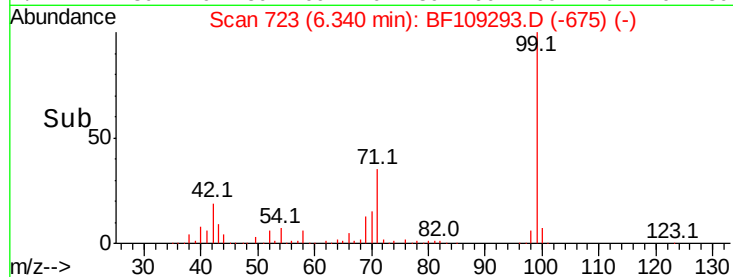
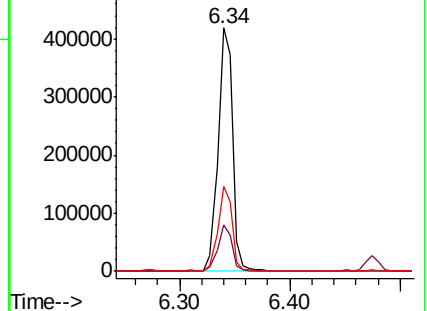
71 35.0 25.4 38.0



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



#18

Hexachloroethane

Concen: 2.853 ng

RT: 7.25 min Scan# 878

Delta R.T. 0.03 min

Lab File: BF109293.D

Acq: 25 Sep 2018 18:37

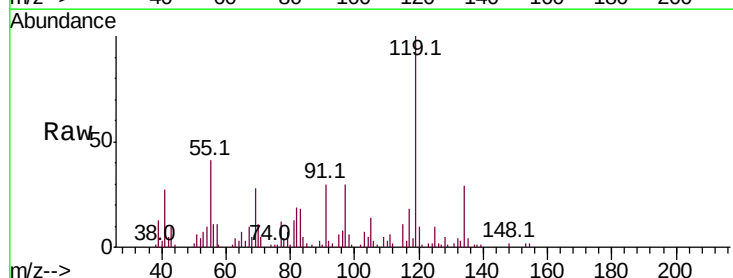
Tgt Ion: 117 Resp: 9207

Ion Ratio Lower Upper

117 100

119 550.1 75.8 113.8#

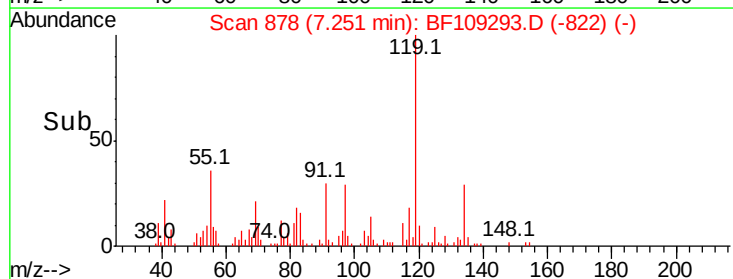
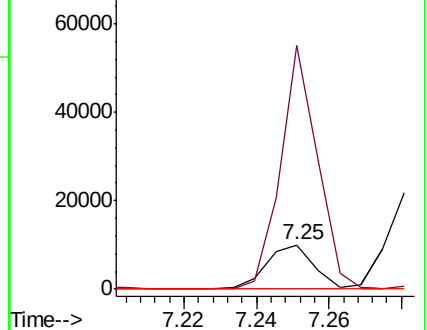
201 0.0 75.7 113.5#

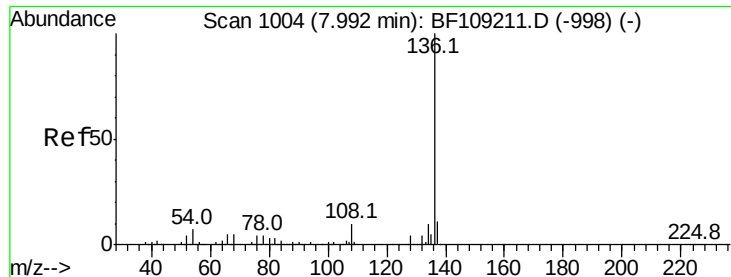


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

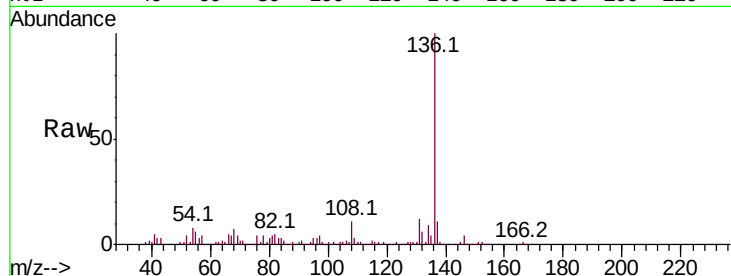




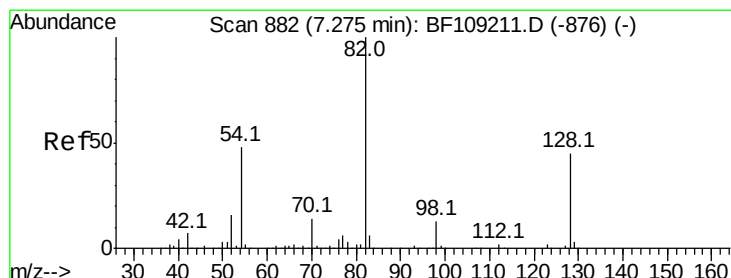
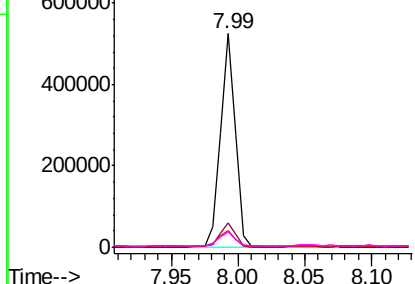
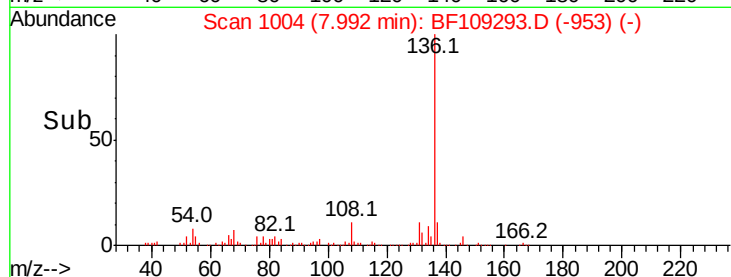
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BF109293.D
Acq: 25 Sep 2018 18:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	413413
Ion	Ratio	Lower Upper
136	100	
137	11.3	8.9 13.3
54	8.0	6.6 9.8
68	7.0	5.0 7.4

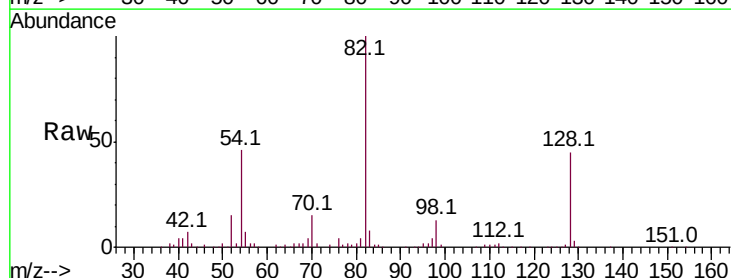


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

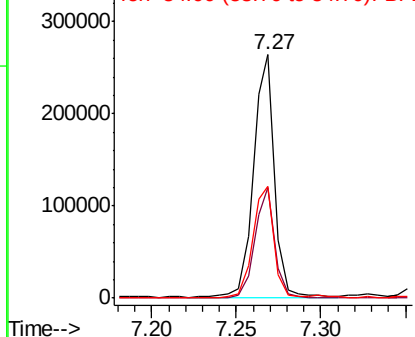
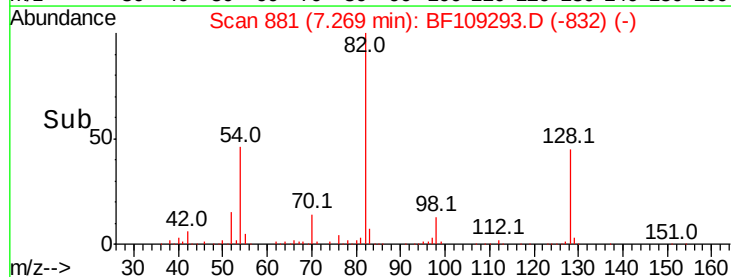


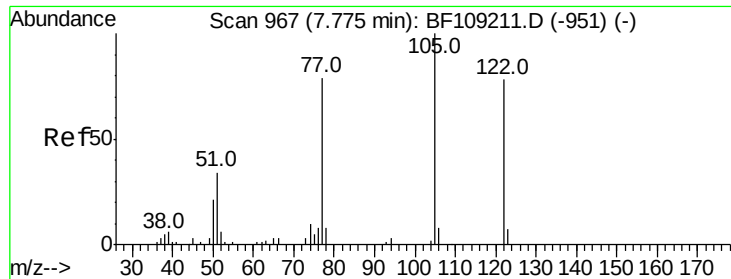
#23
Nitrobenzene-d5
Concen: 32.593 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF109293.D
Acq: 25 Sep 2018 18:37

Tgt Ion: 82	Resp:	228258
Ion	Ratio	Lower Upper
82	100	
128	45.2	36.1 54.1
54	46.2	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

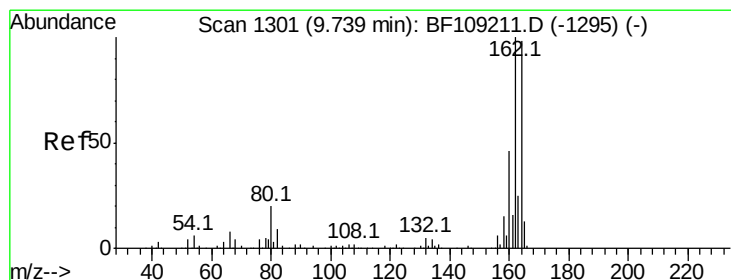
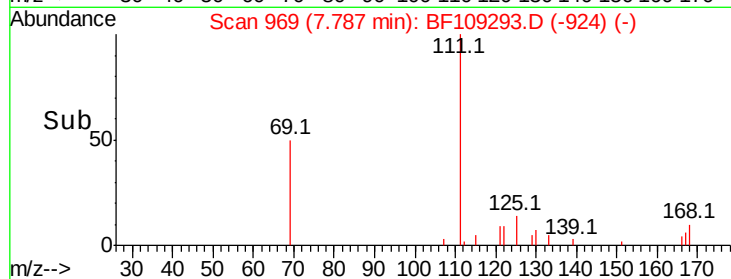
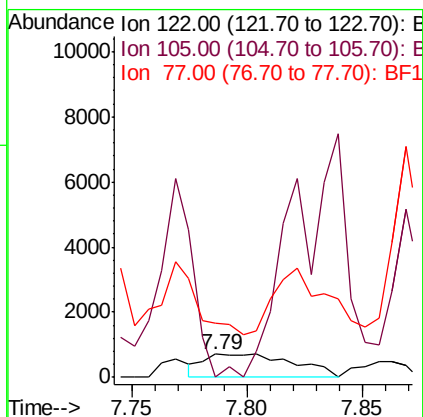
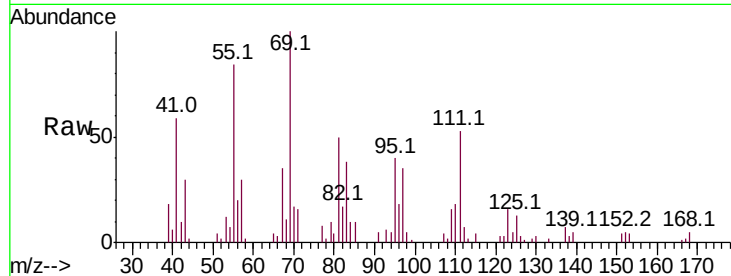




#32
Benzoic acid
Concen: 7.237 ng
RT: 7.79 min Scan# 969
Delta R.T. -0.03 min
Lab File: BF109293.D
Acq: 25 Sep 2018 18:37

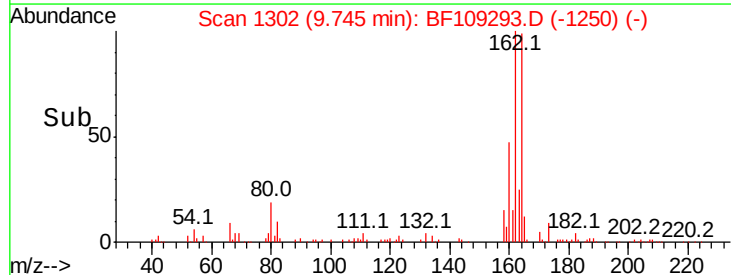
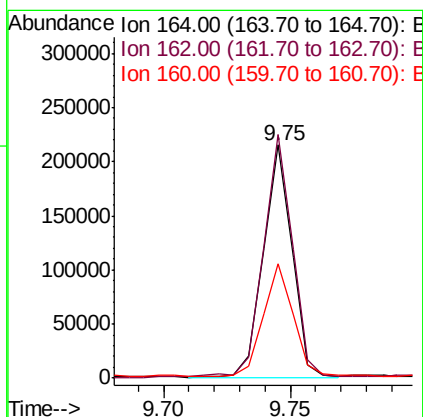
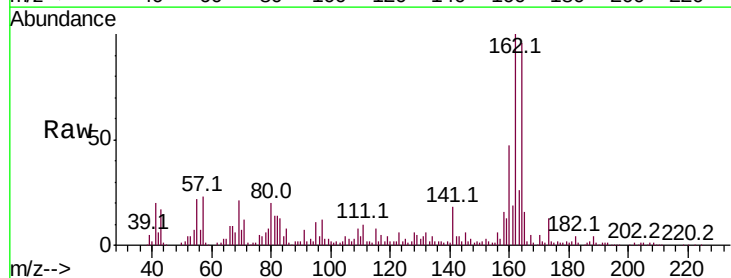
Instrument :
BNA_F
ClientSampleId :

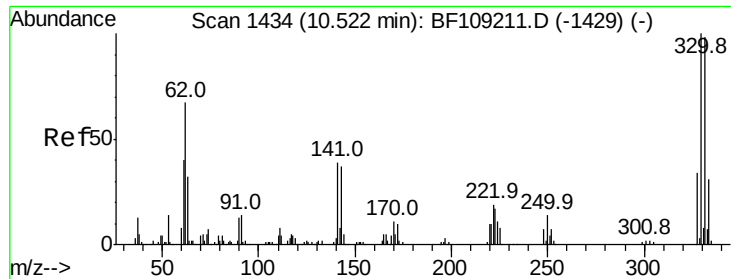
Tot Ion:122 Resp: 1915
Ion Ratio Lower Upper
122 100
105 0.0 101.1 141.1#
77 234.0 70.7 110.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1302
Delta R.T. 0.01 min
Lab File: BF109293.D
Acq: 25 Sep 2018 18:37

Tgt Ion:164 Resp: 169814
Ion Ratio Lower Upper
164 100
162 104.4 86.1 129.1
160 49.1 38.3 57.5





#41

2,4,6-Tribromophenol

Concen: 40.478 ng

RT: 10.53 min Scan# 1435

Delta R.T. -0.01 min

Lab File: BF109293.D

Acq: 25 Sep 2018 18:37

Instrument :

BNA_F

ClientSampleId :

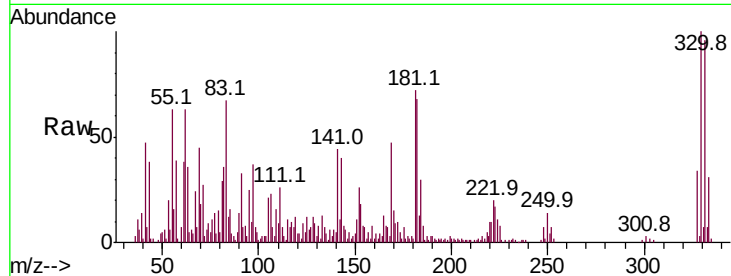
Tot Ion:330 Resp: 67760

Ion Ratio Lower Upper

330 100

332 97.0 77.0 115.6

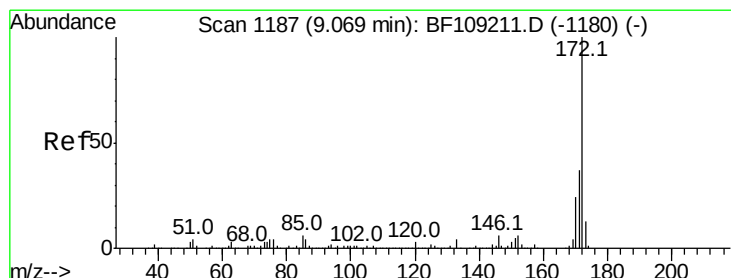
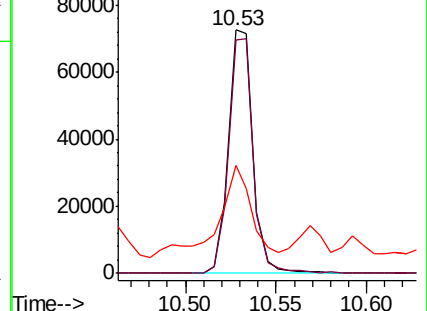
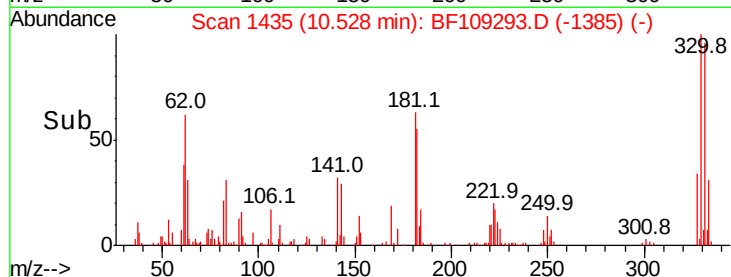
141 50.7 29.9 44.9#



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: 35.121 ng

RT: 9.07 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BF109293.D

Acq: 25 Sep 2018 18:37

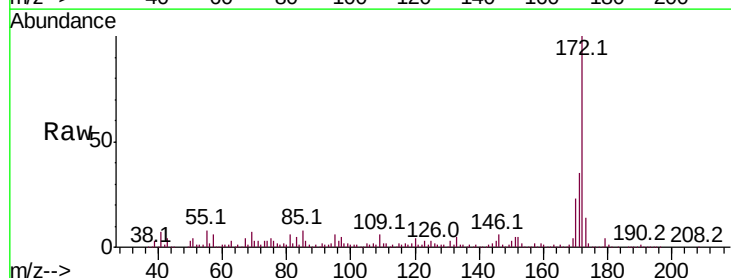
Tgt Ion:172 Resp: 395439

Ion Ratio Lower Upper

172 100

171 35.3 29.7 44.5

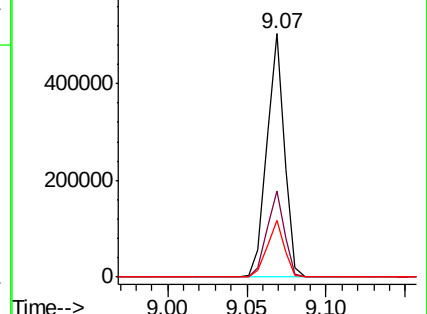
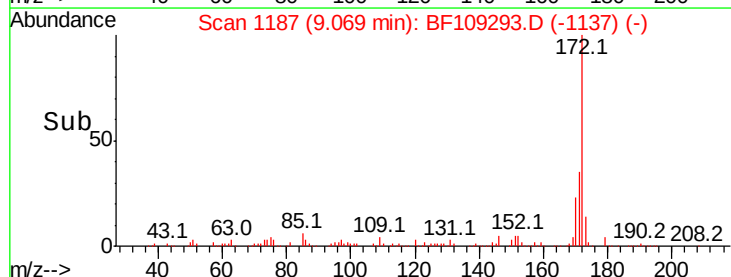
170 23.5 19.6 29.4

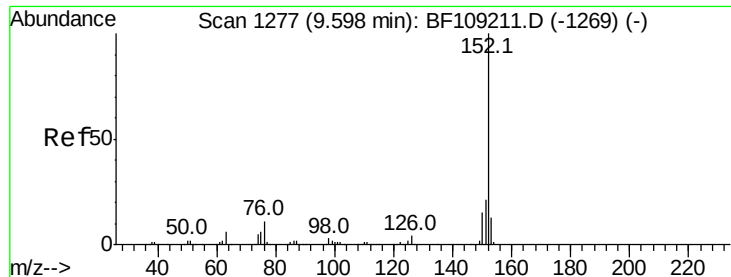


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

Acenaphthylene

Concen: 5.402 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF109293.D

Acq: 25 Sep 2018 18:37

Instrument :

BNA_F

ClientSampleId :

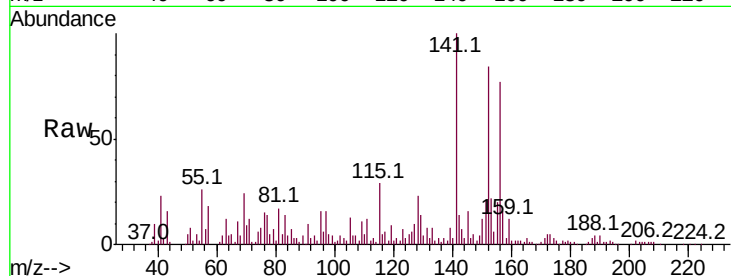
Tot Ion:152 Resp: 90078

Ion Ratio Lower Upper

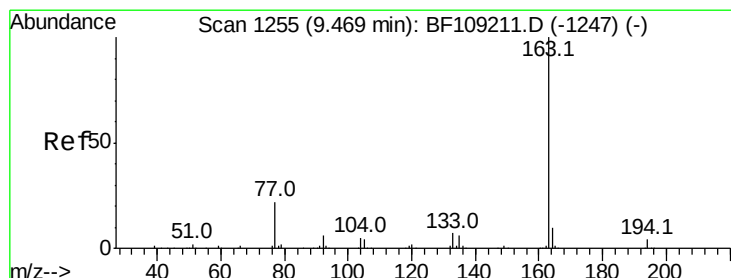
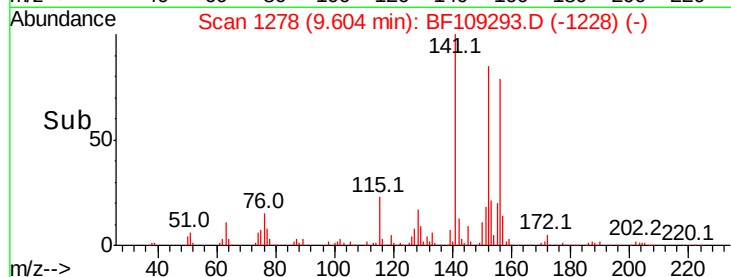
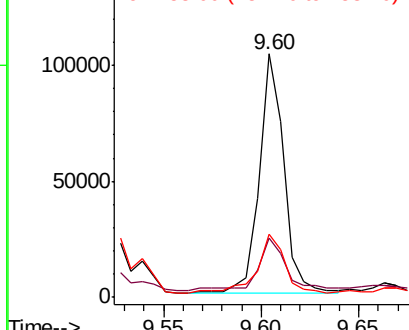
152 100

151 24.6 16.3 24.5#

153 26.0 10.7 16.1#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 8.263 ng

RT: 9.46 min Scan# 1254

Delta R.T. -0.02 min

Lab File: BF109293.D

Acq: 25 Sep 2018 18:37

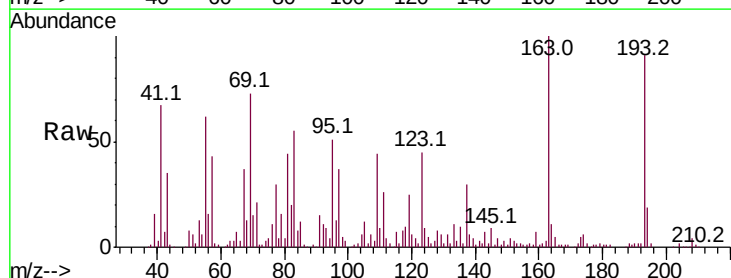
Tgt Ion:163 Resp: 102060

Ion Ratio Lower Upper

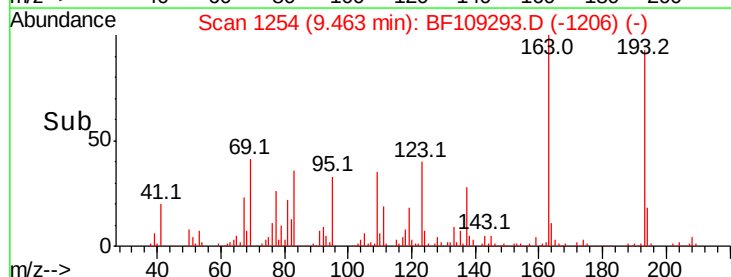
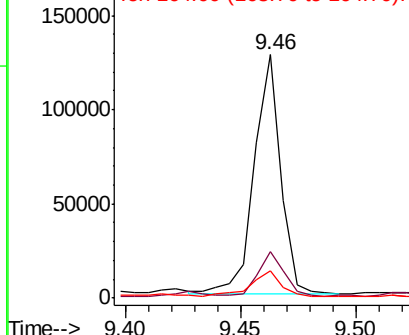
163 100

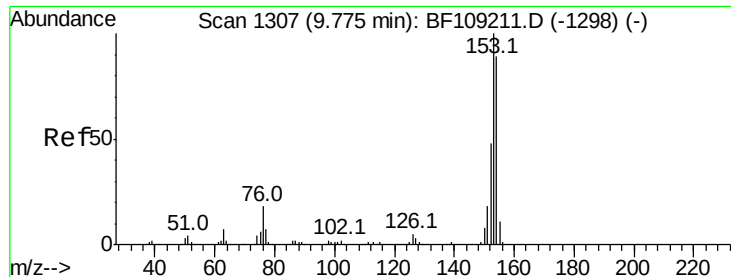
194 18.9 2.7 4.1#

164 11.1 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: 4.547 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF109293.D

Acq: 25 Sep 2018 18:37

Instrument :

BNA_F

ClientSampleId :

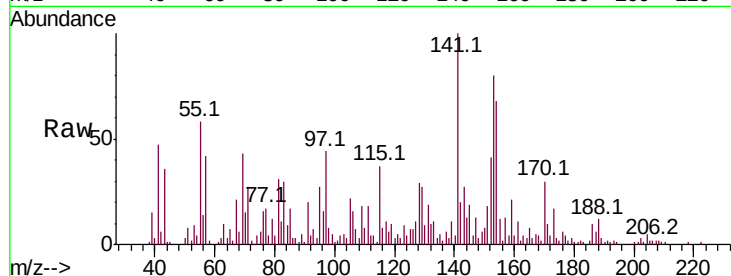
Tot Ion:154 Resp: 45843

Ion Ratio Lower Upper

154 100

153 118.3 91.2 136.8

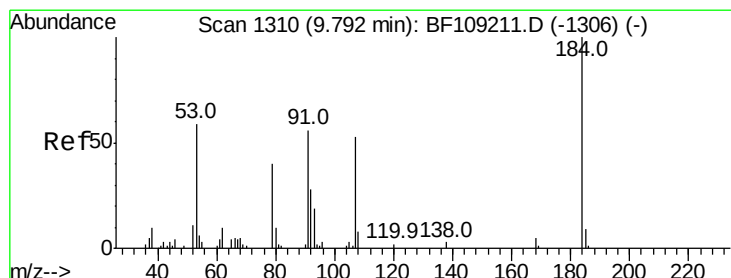
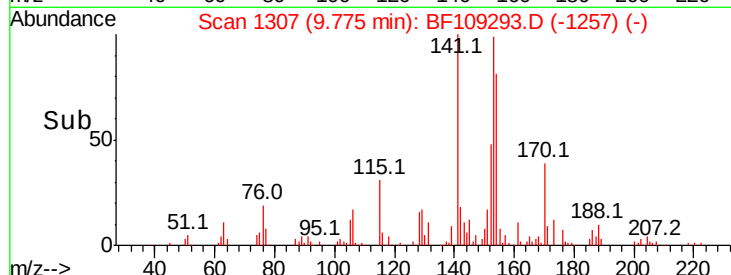
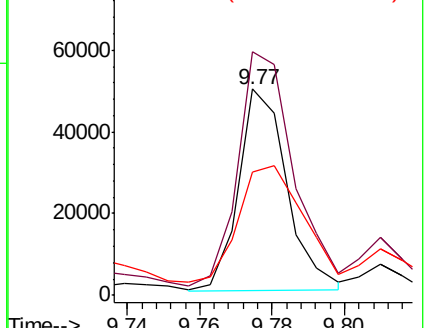
152 60.1 43.8 65.8



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: 8.949 ng

RT: 9.80 min Scan# 1312

Delta R.T. 0.00 min

Lab File: BF109293.D

Acq: 25 Sep 2018 18:37

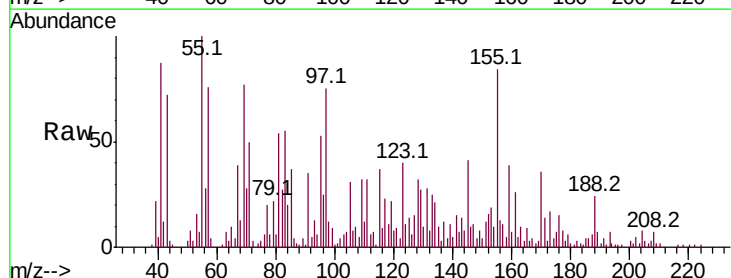
Tgt Ion:184 Resp: 434

Ion Ratio Lower Upper

184 100

63 683.7 54.2 81.2#

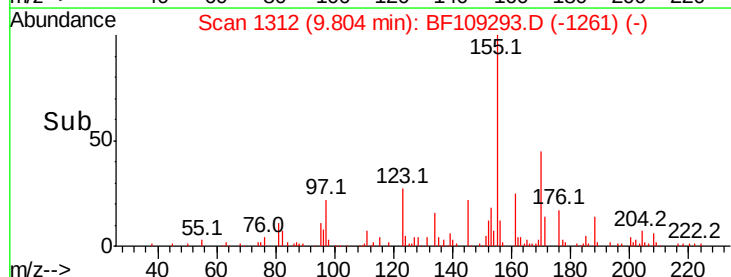
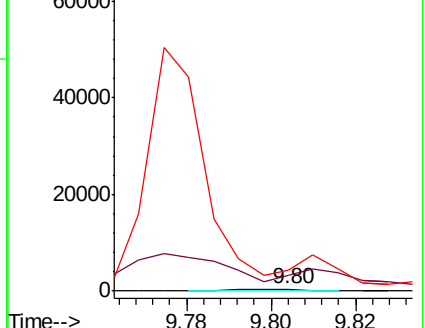
154 942.9 184.0 276.0#

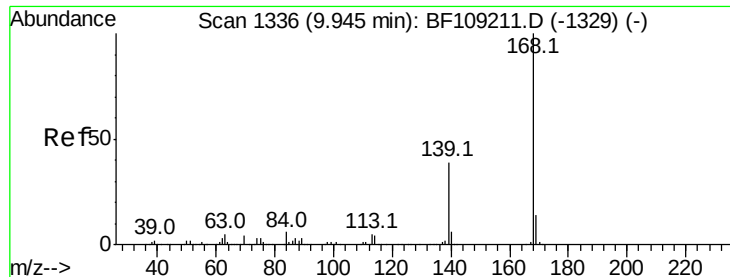


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 3.840 ng

RT: 9.95 min Scan# 1337

Delta R.T. 0.00 min

Lab File: BF109293.D

Acq: 25 Sep 2018 18:37

Instrument :

BNA_F

ClientSampleId :

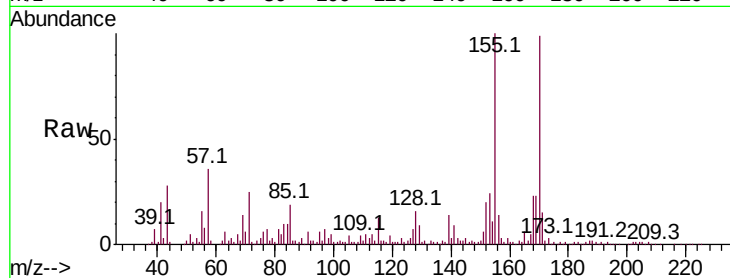
Tot Ion:168 Resp: 57572

Ion Ratio Lower Upper

168 100

139 61.5 30.1 45.1#

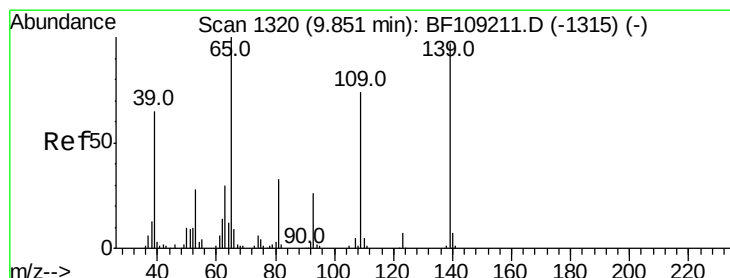
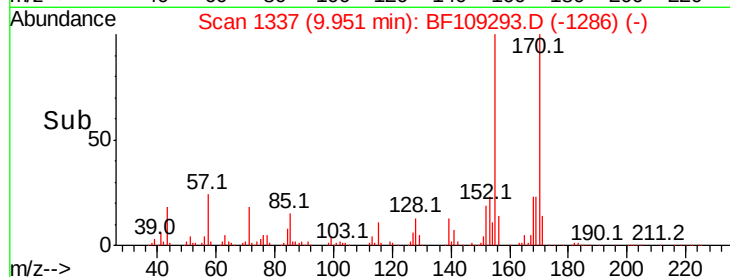
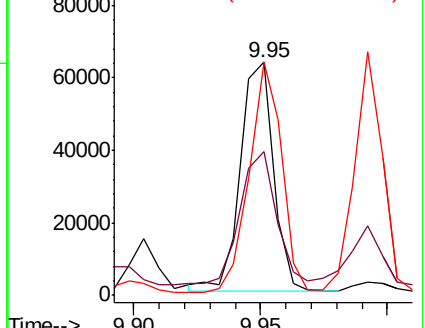
169 100.0 10.9 16.3#



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



#55

4-Nitrophenol

Concen: 11.637 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF109293.D

Acq: 25 Sep 2018 18:37

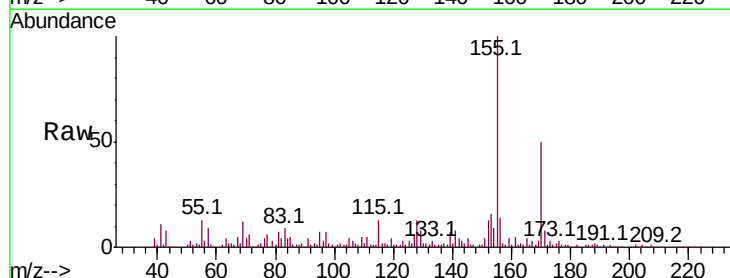
Tgt Ion:139 Resp: 24833

Ion Ratio Lower Upper

139 100

109 65.2 48.4 88.4

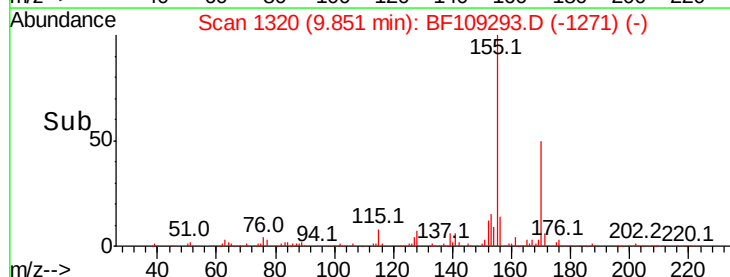
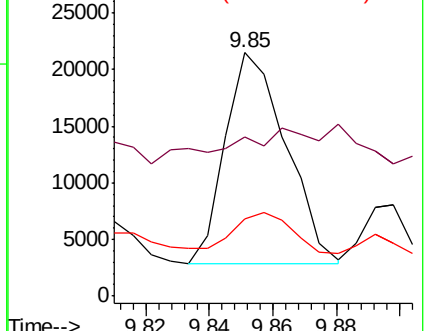
65 31.7 72.6 112.6#

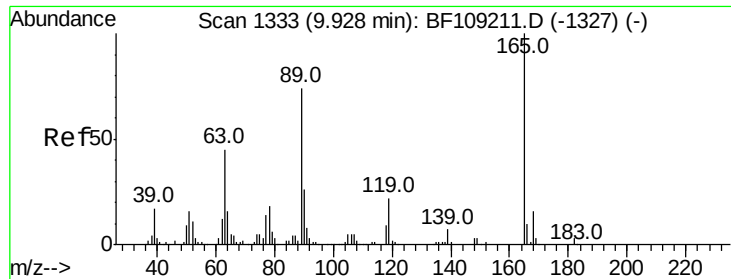


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

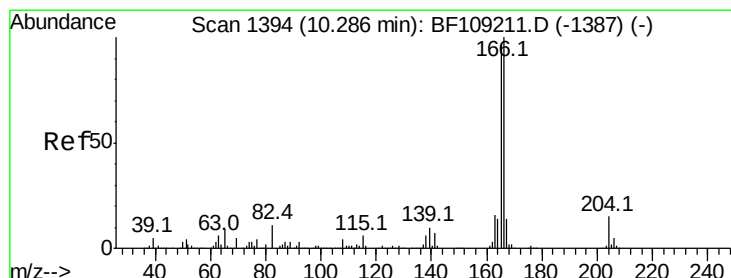
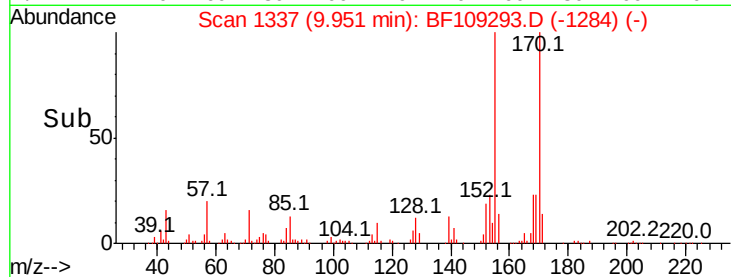
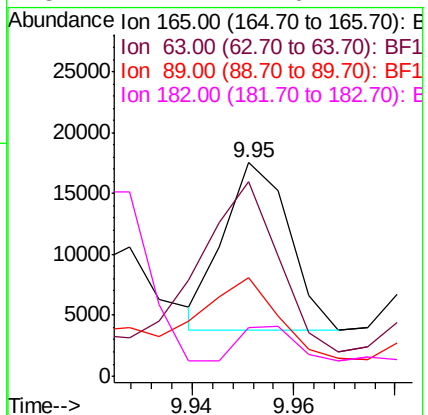
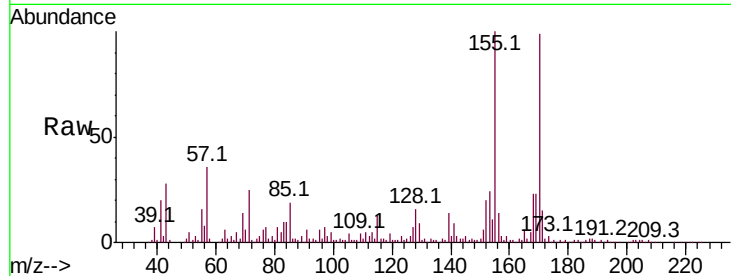




#56
2,4-Dinitrotoluene
Concen: 3.985 ng
RT: 9.95 min Scan# 1337
Delta R.T. 0.01 min
Lab File: BF109293.D
Acq: 25 Sep 2018 18:37

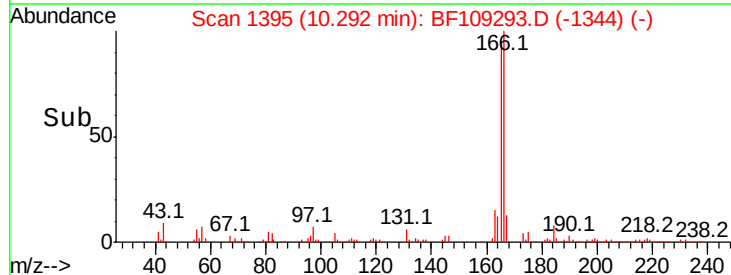
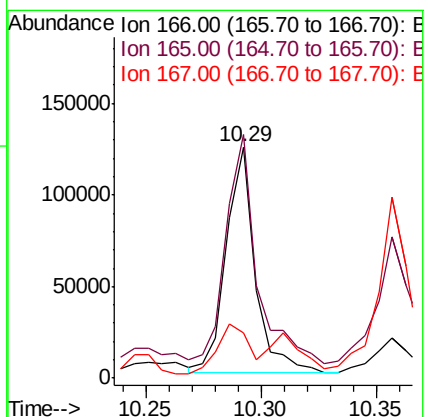
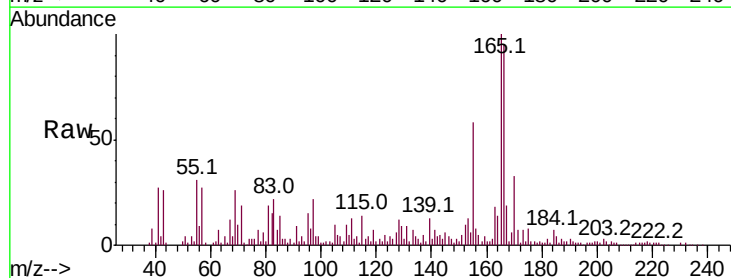
Instrument :
BNA_F
ClientSampled :

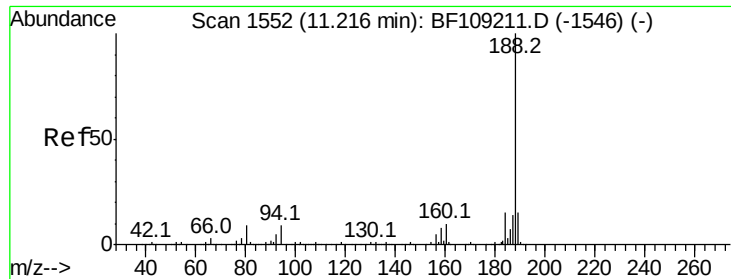
Tot Ion	Ratio	Lower	Upper
165	100		
63	91.1	36.4	54.6#
89	46.0	57.8	86.6#
182	22.7	1.6	2.4#



#57
Fluorene
Concen: 9.983 ng
RT: 10.29 min Scan# 1395
Delta R.T. 0.00 min
Lab File: BF109293.D
Acq: 25 Sep 2018 18:37

Tgt Ion	Ratio	Lower	Upper
166	100		
165	105.4	79.8	119.8
167	19.8	10.6	16.0#

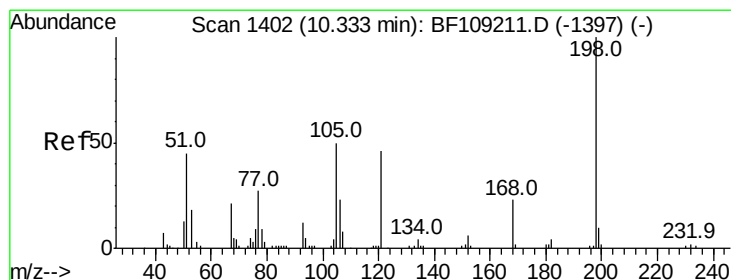
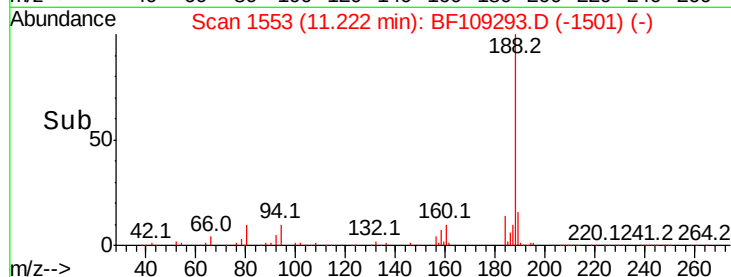
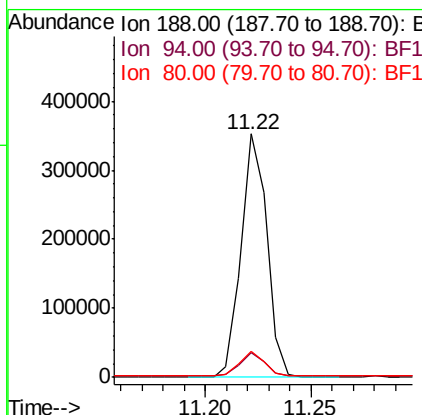
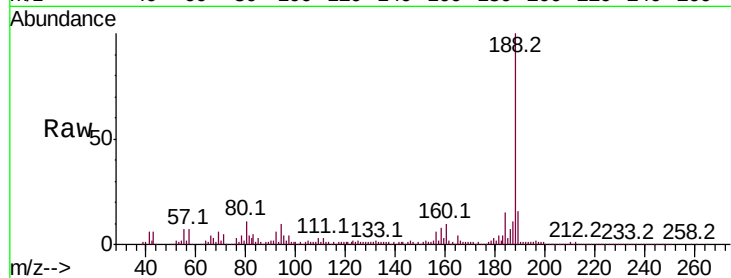




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1553
Delta R.T. 0.01 min
Lab File: BF109293.D
Acq: 25 Sep 2018 18:37

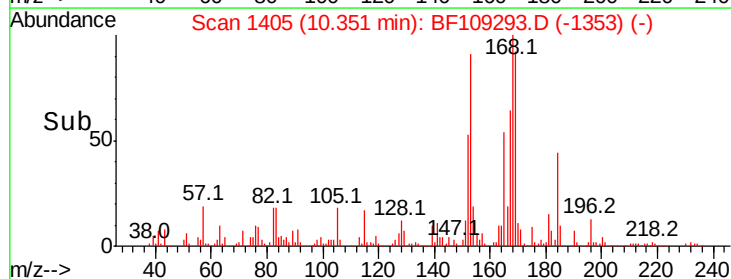
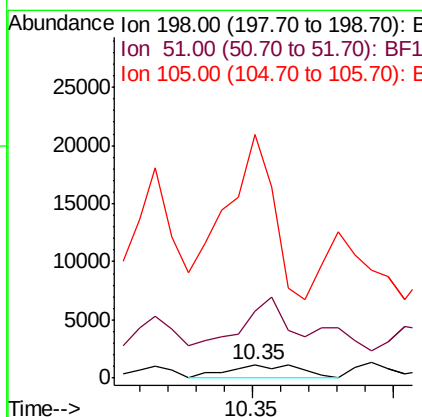
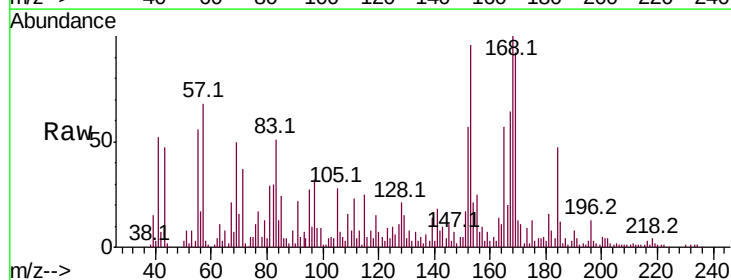
Instrument :
BNA_F
ClientSampleId :

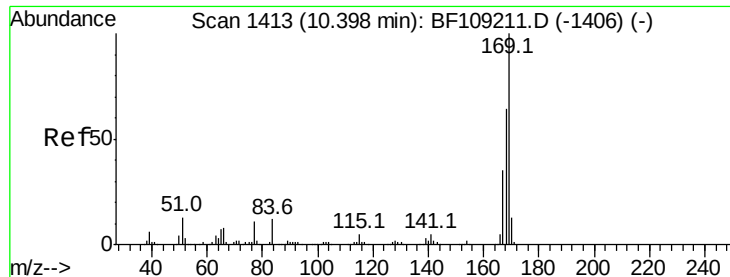
Tot Ion:188 Resp: 297993
Ion Ratio Lower Upper
188 100
94 10.1 8.5 12.7
80 10.6 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.991 ng
RT: 10.35 min Scan# 1405
Delta R.T. 0.01 min
Lab File: BF109293.D
Acq: 25 Sep 2018 18:37

Tgt Ion:198 Resp: 2031
Ion Ratio Lower Upper
198 100
51 501.2 37.7 77.7#
105 1833.3 36.3 76.3#





#65

n-Nitrosodiphenylamine

Concen: 10.228 ng

RT: 10.41 min Scan# 1415

Delta R.T. 0.01 min

Lab File: BF109293.D

Acq: 25 Sep 2018 18:37

Instrument :

BNA_F

ClientSampleId :

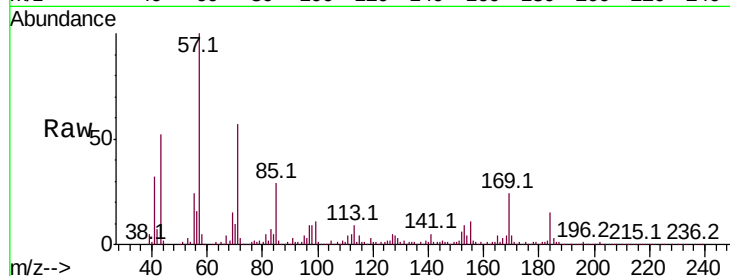
Tot Ion:169 Resp: 100696

Ion Ratio Lower Upper

169 100

168 15.9 54.4 81.6#

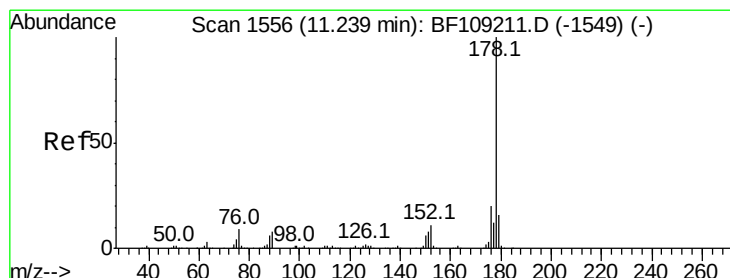
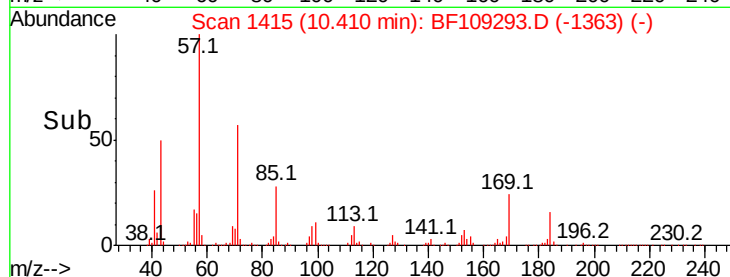
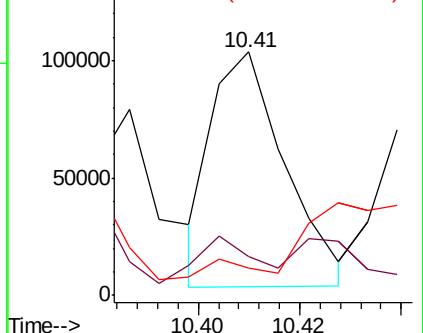
167 11.3 29.8 44.6#



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: 27.455 ng

RT: 11.25 min Scan# 1557

Delta R.T. 0.00 min

Lab File: BF109293.D

Acq: 25 Sep 2018 18:37

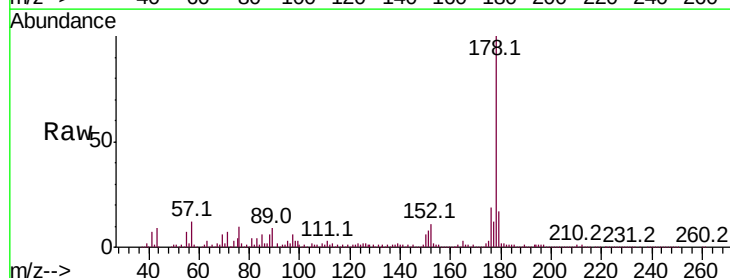
Tgt Ion:178 Resp: 408490

Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.8

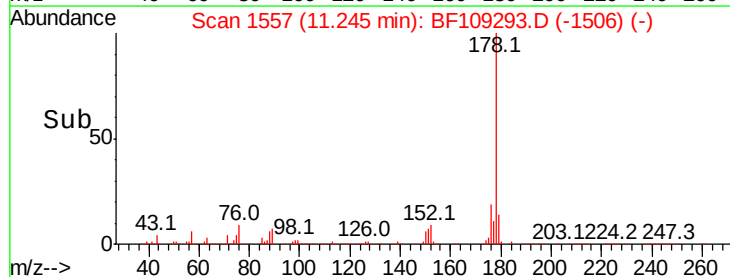
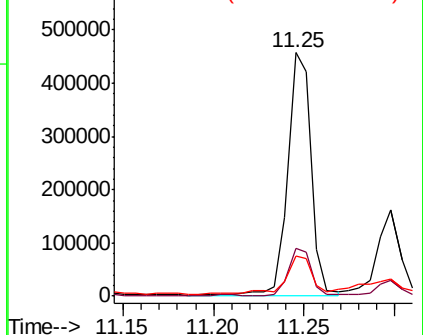
179 16.5 13.0 19.6

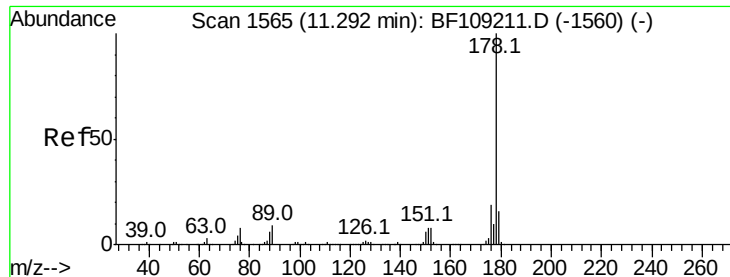


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

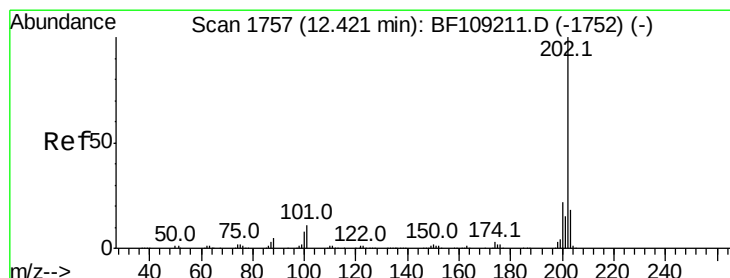
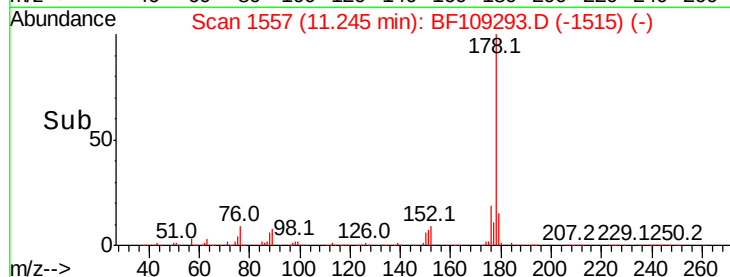
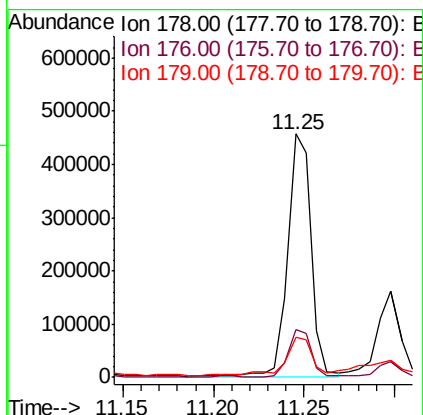
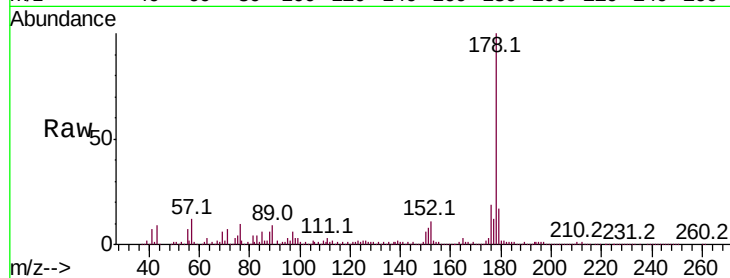




#71
 Anthracene
 Concen: 27.068 ng
 RT: 11.25 min Scan# 1557
 Delta R.T. -0.05 min
 Lab File: BF109293.D
 Acq: 25 Sep 2018 18:37

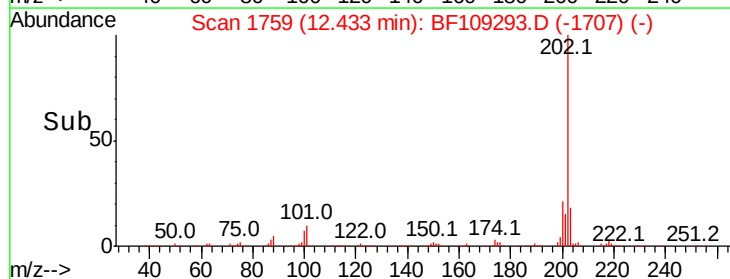
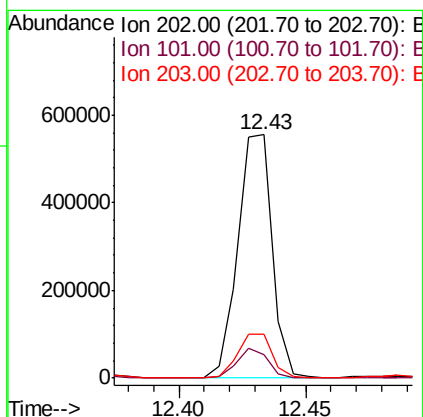
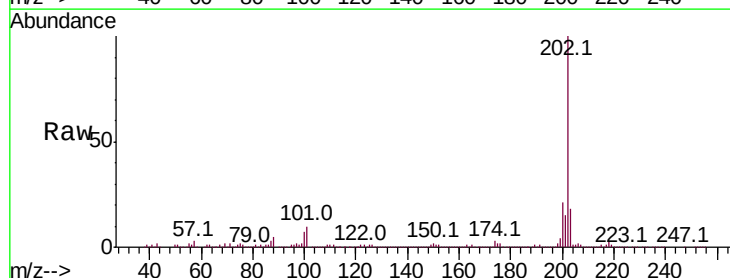
Instrument :
 BNA_F
 ClientSampleId :

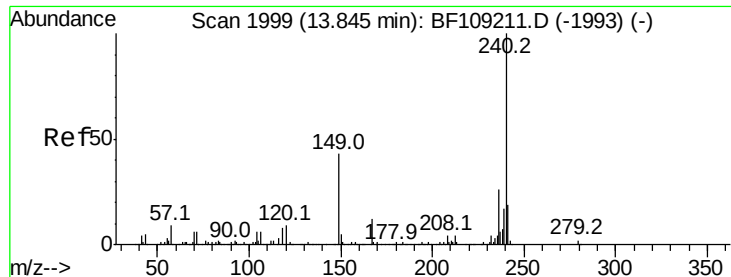
Tot Ion:178 Resp: 408490
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.4 23.2
 179 16.5 12.6 19.0



#74
 Fluoranthene
 Concen: 32.546 ng
 RT: 12.43 min Scan# 1759
 Delta R.T. 0.01 min
 Lab File: BF109293.D
 Acq: 25 Sep 2018 18:37

Tgt Ion:202 Resp: 517501
 Ion Ratio Lower Upper
 202 100
 101 9.6 0.0 34.1
 203 17.9 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.85 min Scan# 2000

Delta R.T. 0.01 min

Lab File: BF109293.D

Acq: 25 Sep 2018 18:37

Instrument :

BNA_F

ClientSampleId :

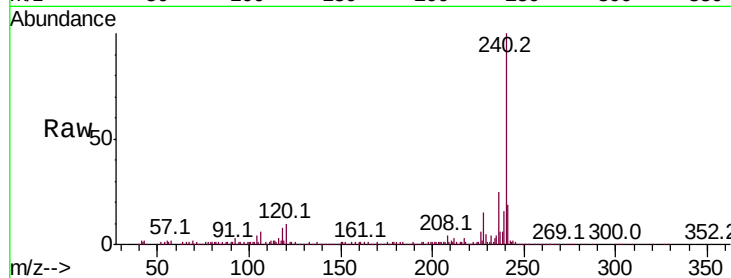
Tot Ion:240 Resp: 253176

Ion Ratio Lower Upper

240 100

120 9.7 9.5 14.3

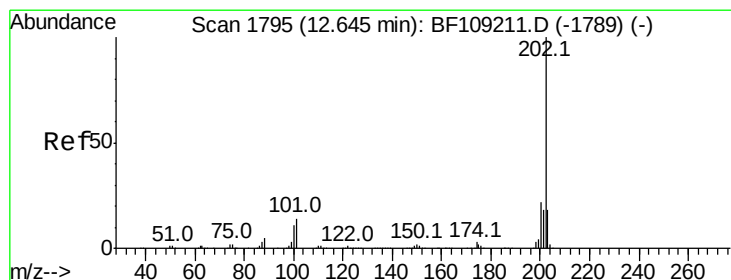
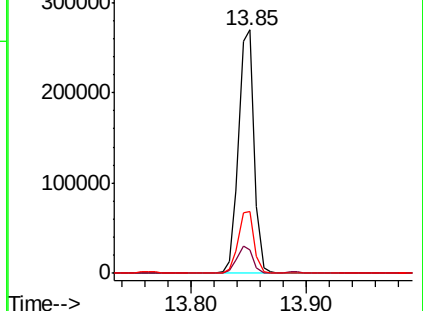
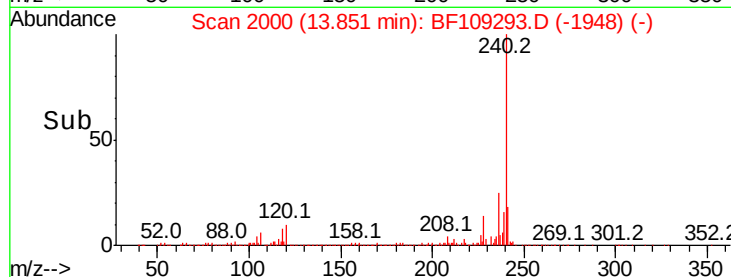
236 25.3 20.7 31.1



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: 29.541 ng

RT: 12.66 min Scan# 1797

Delta R.T. 0.00 min

Lab File: BF109293.D

Acq: 25 Sep 2018 18:37

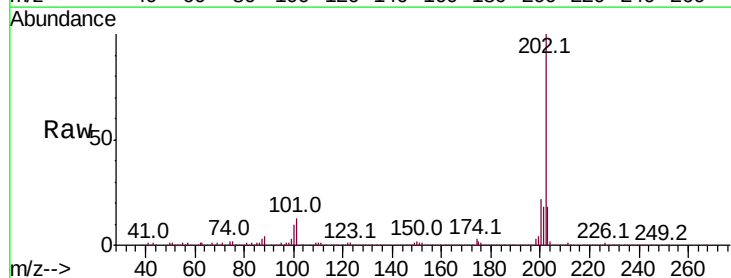
Tgt Ion:202 Resp: 536006

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

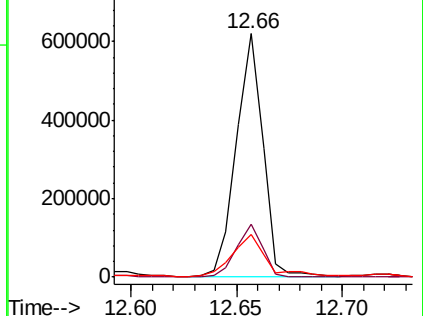
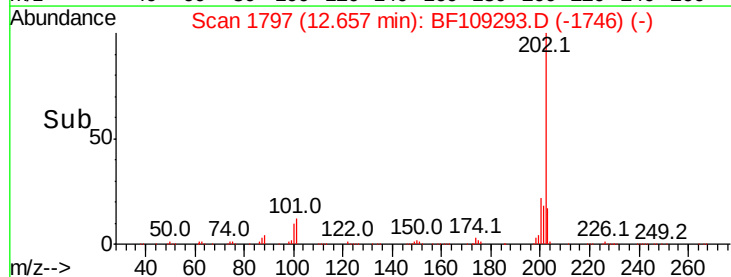
203 17.8 14.3 21.5

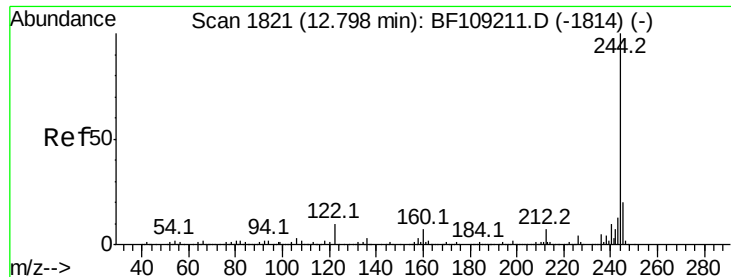


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

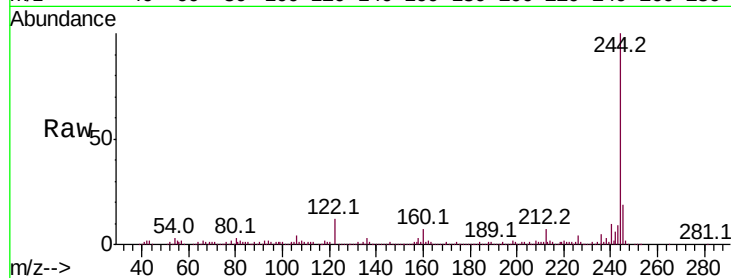




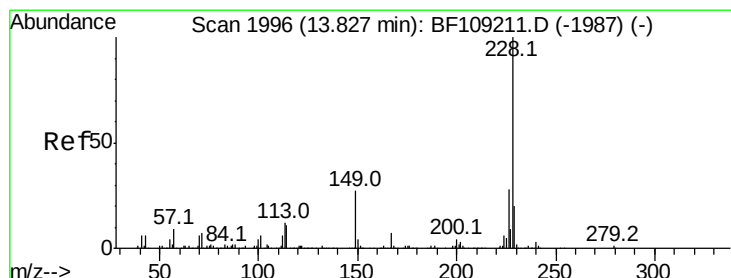
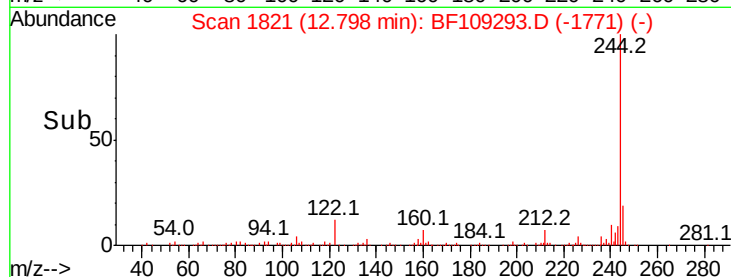
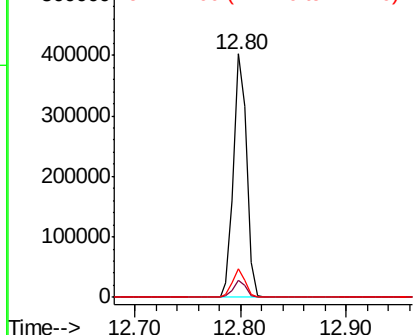
#78
 Terphenyl-d14
 Concen: 33.089 ng
 RT: 12.80 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: BF109293.D
 Acq: 25 Sep 2018 18:37

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion:244 Resp: 341348
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 11.8 11.0 16.4

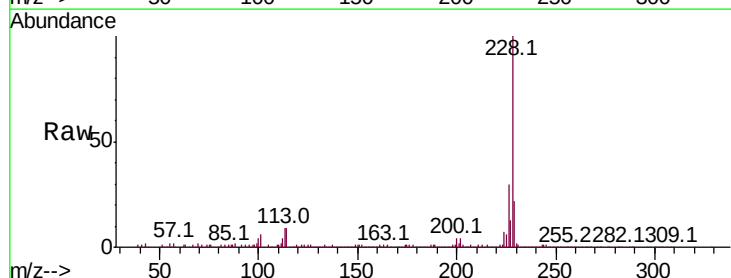


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

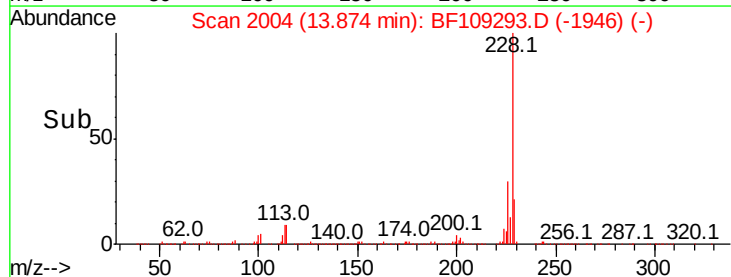
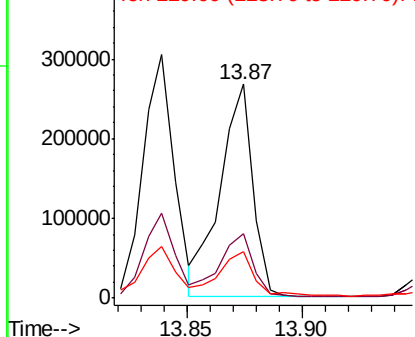


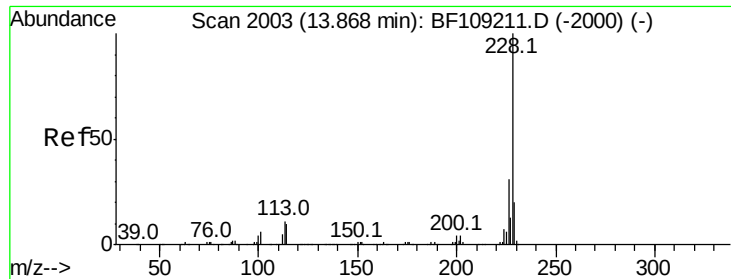
#80
 Benzo(a)anthracene
 Concen: 17.244 ng
 RT: 13.87 min Scan# 2004
 Delta R.T. 0.04 min
 Lab File: BF109293.D
 Acq: 25 Sep 2018 18:37

Tgt Ion:228 Resp: 262965
 Ion Ratio Lower Upper
 228 100
 226 29.9 22.6 33.8
 229 21.7 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

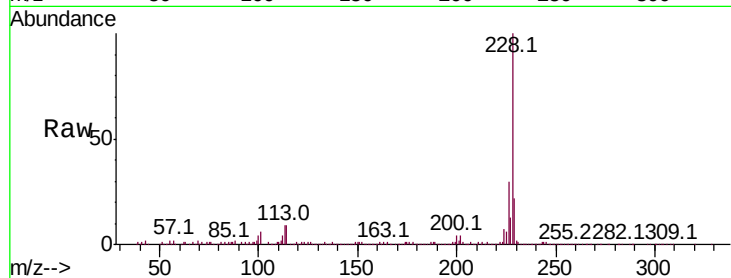




#82
Chrysene
Concen: 17.398 ng
RT: 13.87 min Scan# 2004
Delta R.T. 0.00 min
Lab File: BF109293.D
Acq: 25 Sep 2018 18:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.6
229	21.7	16.2	24.4

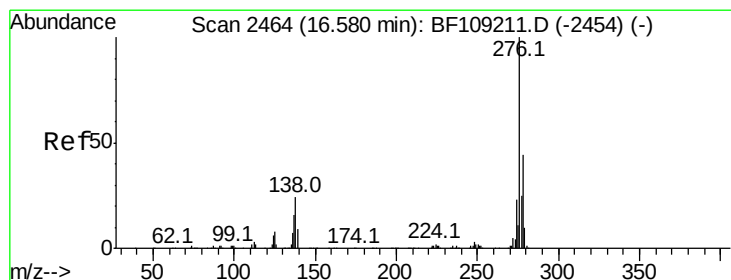
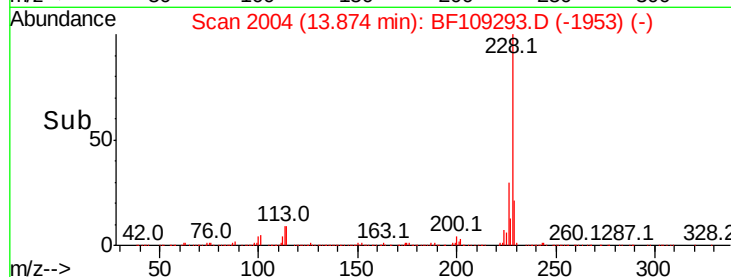
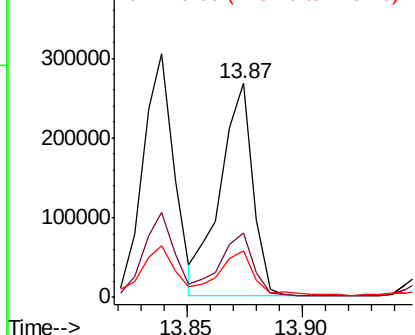


Abundance

Ion 228.00 (227.70 to 228.70): E

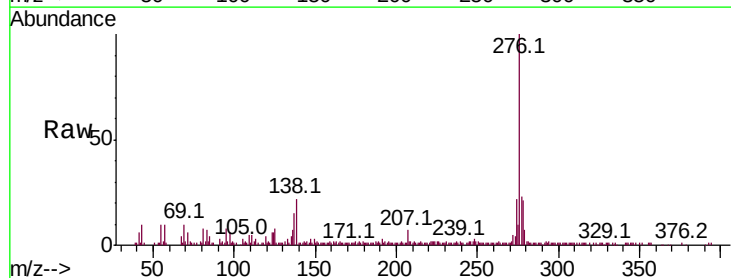
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85
Indeno(1,2,3-cd)pyrene
Concen: 9.476 ng
RT: 16.60 min Scan# 2468
Delta R.T. 0.01 min
Lab File: BF109293.D
Acq: 25 Sep 2018 18:37

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.0	25.0	37.6#
277	24.0	20.1	30.1

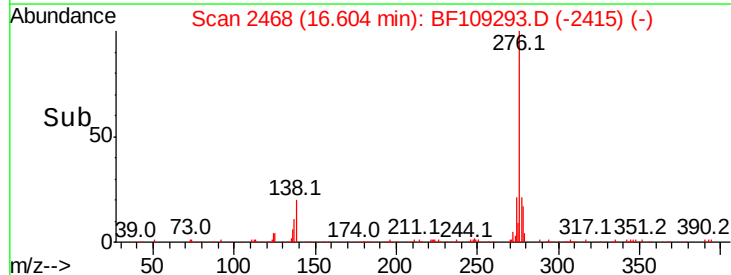
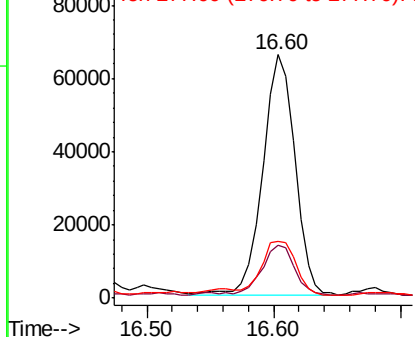


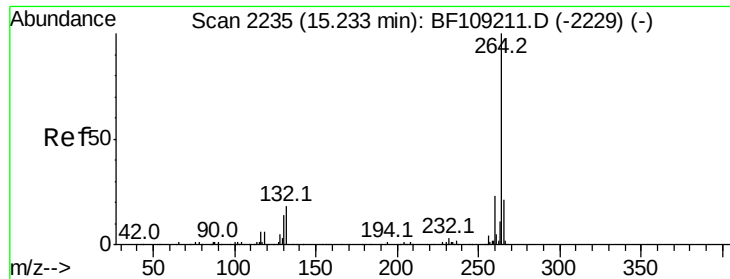
Abundance

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

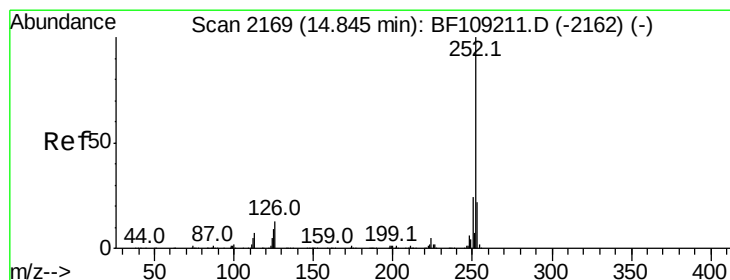
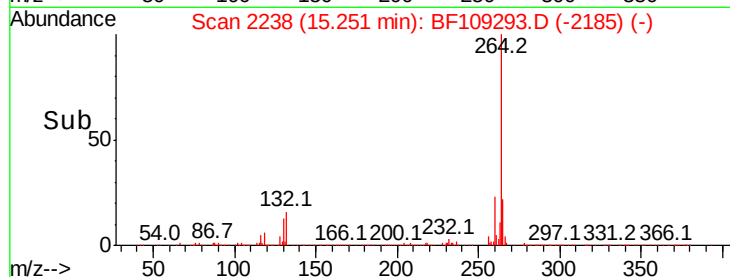
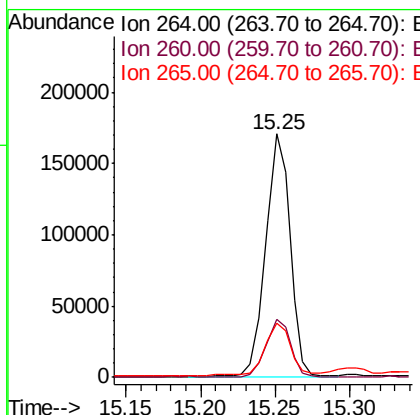
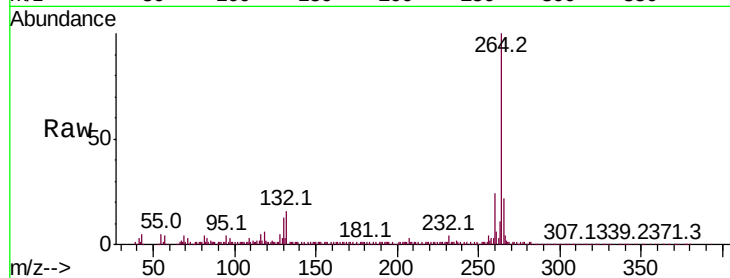




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.25 min Scan# 2238
Delta R.T. 0.01 min
Lab File: BF109293.D
Acq: 25 Sep 2018 18:37

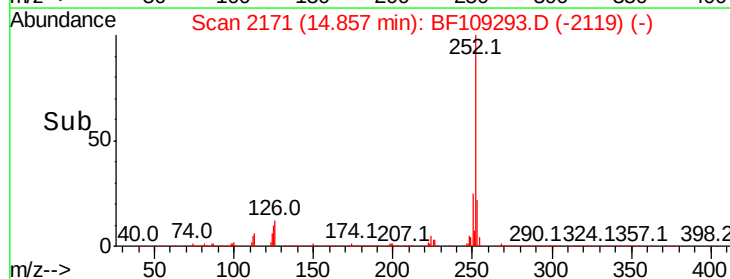
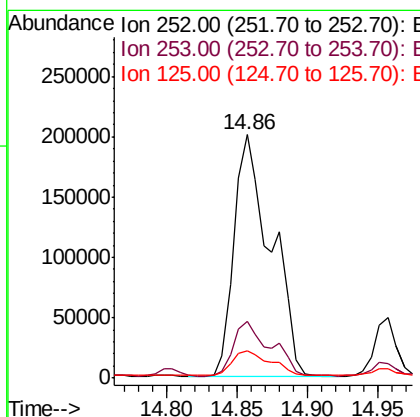
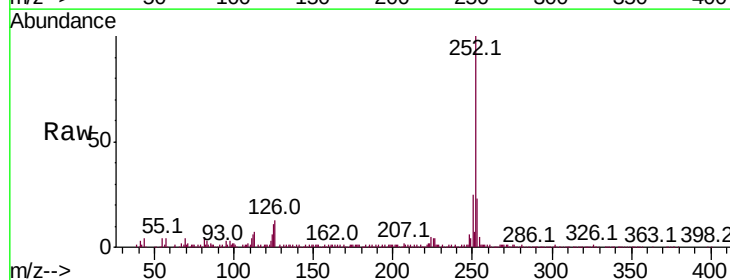
Instrument :
BNA_F
ClientSampleId :

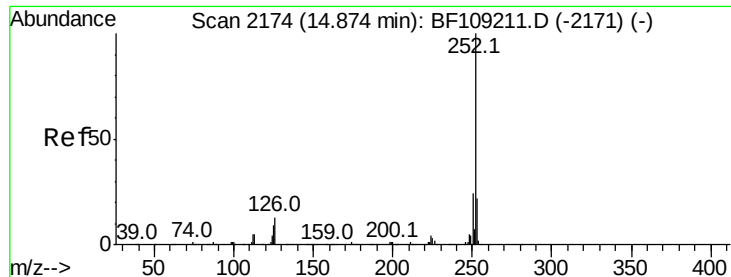
Tot Ion:264 Resp: 192012
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 22.2 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 34.839 ng
RT: 14.86 min Scan# 2171
Delta R.T. 0.01 min
Lab File: BF109293.D
Acq: 25 Sep 2018 18:37

Tgt Ion:252 Resp: 367582
Ion Ratio Lower Upper
252 100
253 23.3 17.0 25.6
125 11.1 9.0 13.6

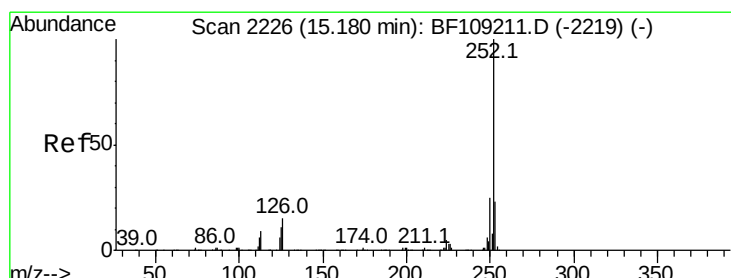
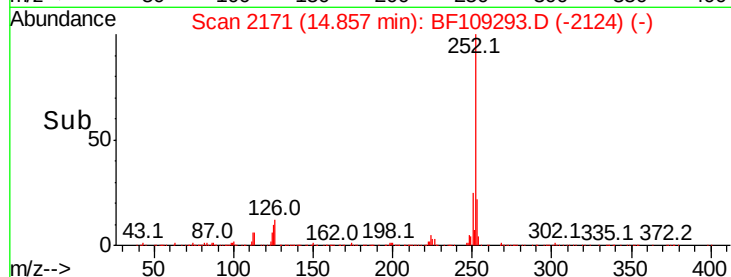
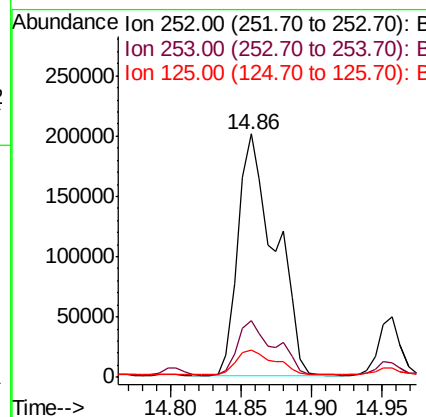
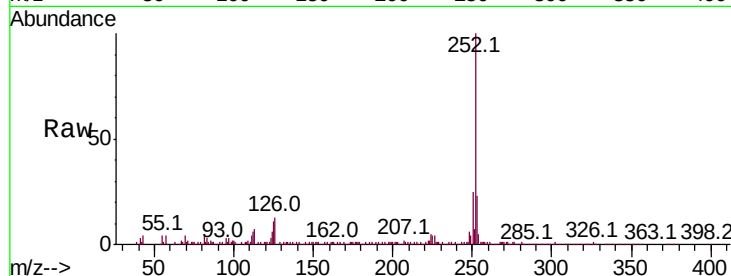




#88
Benzo(k)fluoranthene
Concen: 36.714 ng
RT: 14.86 min Scan# 2171
Delta R.T. -0.02 min
Lab File: BF109293.D
Acq: 25 Sep 2018 18:37

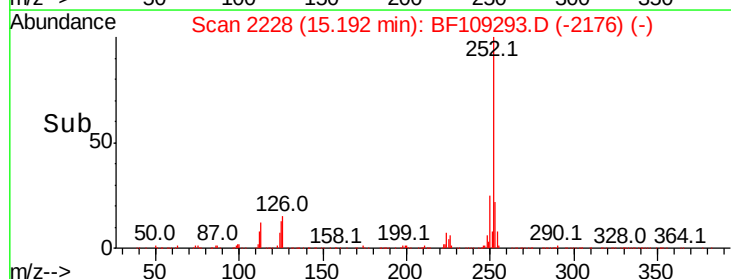
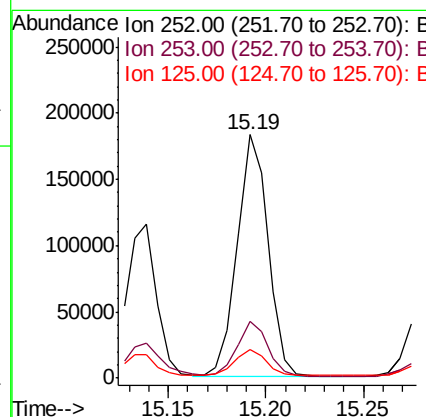
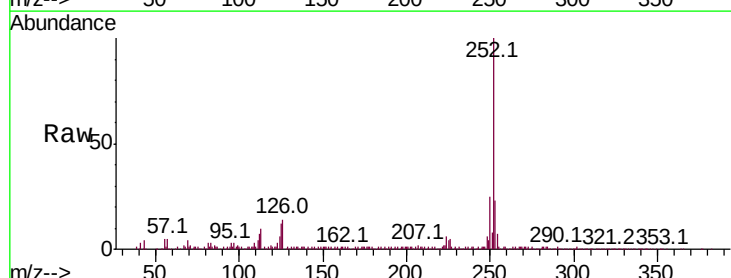
Instrument :
BNA_F
ClientSampleId :

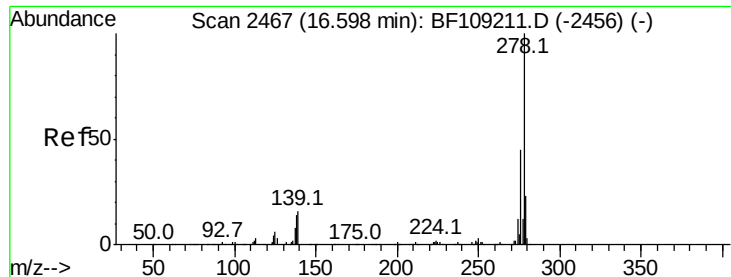
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	11.1	10.2	15.2



#89
Benzo(a)pyrene
Concen: 21.067 ng
RT: 15.19 min Scan# 2228
Delta R.T. 0.01 min
Lab File: BF109293.D
Acq: 25 Sep 2018 18:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	11.7	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 3.720 ng

RT: 16.62 min Scan# 2470

Delta R.T. 0.01 min

Lab File: BF109293.D

Acq: 25 Sep 2018 18:37

Instrument :

BNA_F

ClientSampleId :

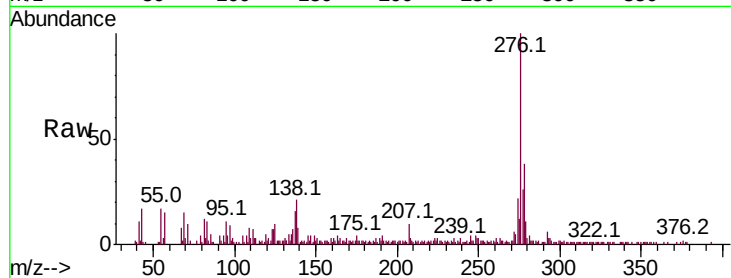
Tot Ion:278 Resp: 29017

Ion Ratio Lower Upper

278 100

139 21.2 15.9 23.9

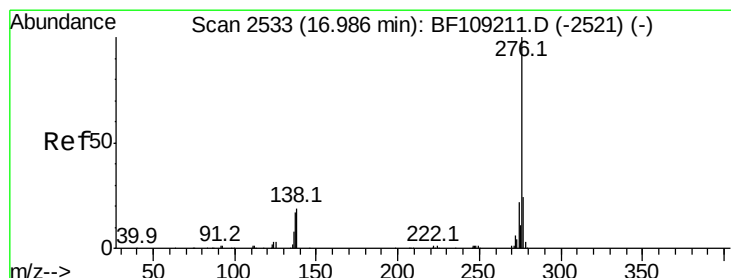
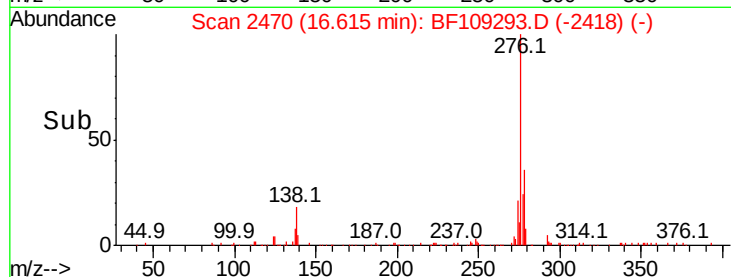
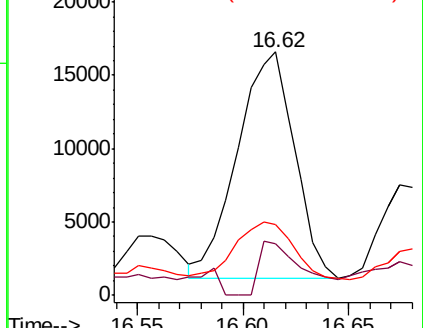
279 29.3 19.0 28.4#



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: 13.287 ng

RT: 17.01 min Scan# 2537

Delta R.T. 0.01 min

Lab File: BF109293.D

Acq: 25 Sep 2018 18:37

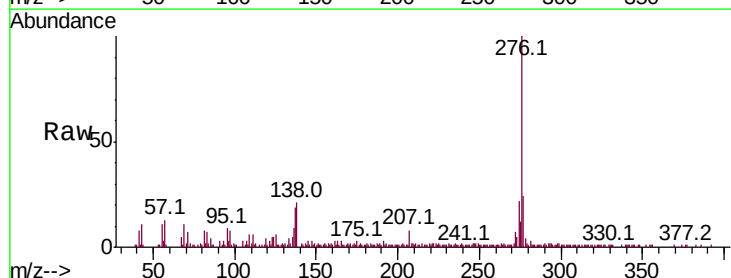
Tgt Ion:276 Resp: 101852

Ion Ratio Lower Upper

276 100

277 24.5 17.9 26.9

138 20.8 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

