

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092018\
 Data File : BF109193.D
 Acq On : 20 Sep 2018 20:26
 Operator : JU/SJ
 Sample : J4987-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 21 07:12:04 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 14 13:26:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	89457	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	389778	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	222148	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	319038	20.00	ng	0.00
75) Chrysene-d12	13.85	240	201638	20.00	ng	0.00
86) Perylene-d12	15.26	264	228147	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	426351	79.16	ng	0.01
7) Phenol-d6	6.36	99	554331	79.82	ng	0.00
23) Nitrobenzene-d5	7.28	82	404944	58.27	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	150327	62.35	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	478226	33.73	ng	0.00
78) Terphenyl-d14	12.81	244	411103	48.33	ng	0.00

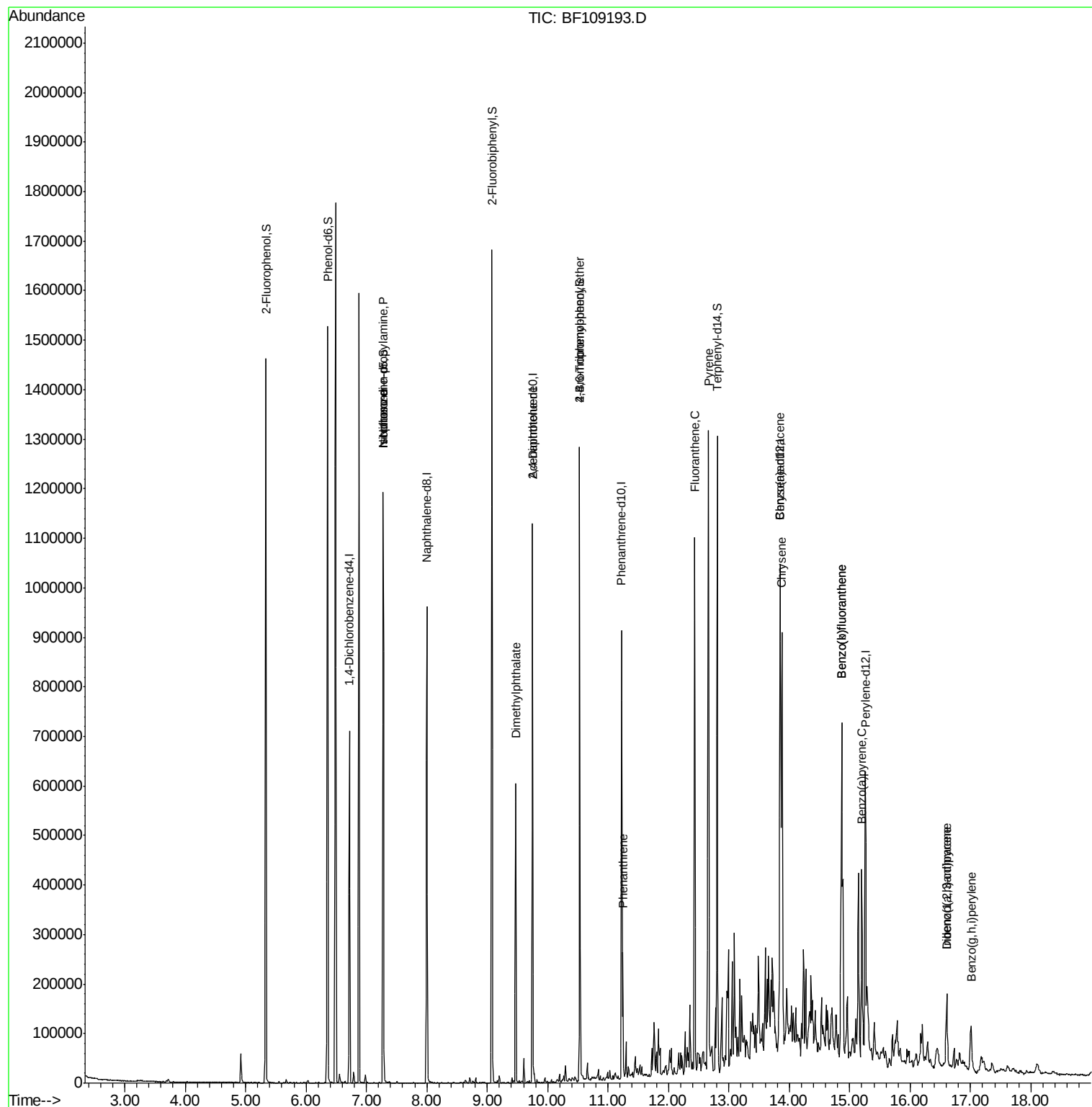
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.28	70	56507	12.309	ng	# 79
25) Isophorone	7.28	82	402321	33.679	ng	# 64
49) Dimethylphthalate	9.47	163	237070	14.931	ng	99
56) 2,4-Dinitrotoluene	9.75	165	28821	6.259	ng	# 23
66) 4-Bromophenyl-phenylether	10.54	248	9584	2.665	ng	# 1
70) Phenanthrene	11.25	178	76321	4.880	ng	99
74) Fluoranthene	12.44	202	403769	24.455	ng	96
77) Pyrene	12.67	202	557808	37.243	ng	99
80) Benzo(a)anthracene	13.84	228	312792	25.622	ng	98
82) Chrysene	13.88	228	352711	28.878	ng	99
85) Indeno(1,2,3-cd)pyrene	16.60	276	90539	9.272	ng	# 92
87) Benzo(b)fluoranthene	14.87	252	453158	35.903	ng	100
88) Benzo(k)fluoranthene	14.87	252	453158	38.440	ng	98
89) Benzo(a)pyrene	15.20	252	165946	14.805	ng	98
90) Dibenzo(a,h)anthracene	16.61	278	24935	2.648	ng	94
91) Benzo(g,h,i)perylene	17.01	276	66404	7.053	ng	94

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

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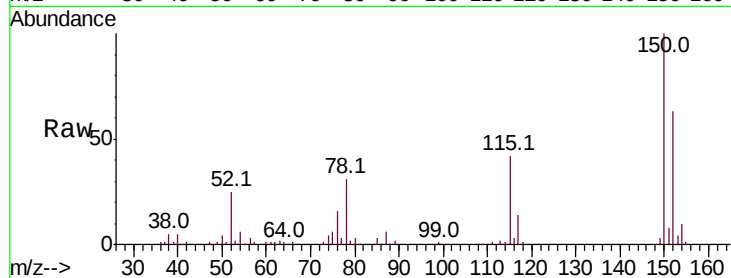


#1

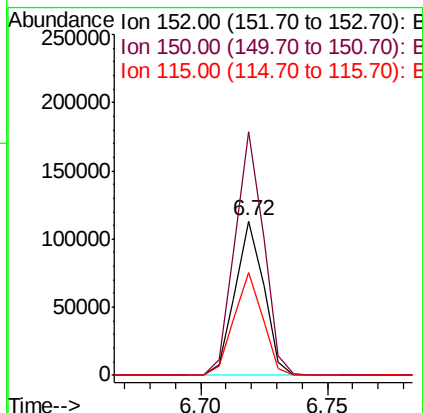
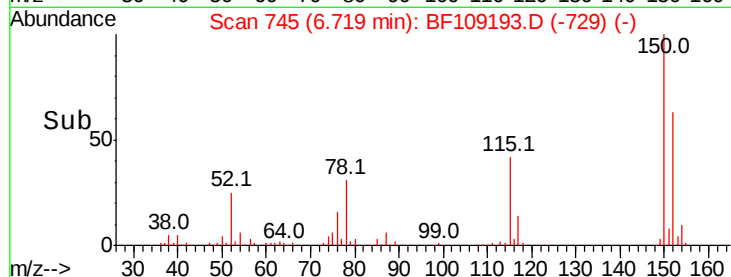
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF109193.D
Acq: 20 Sep 2018 20:26

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 89457
Ion Ratio Lower Upper
152 100
150 157.6 124.6 186.8
115 66.3 50.1 75.1



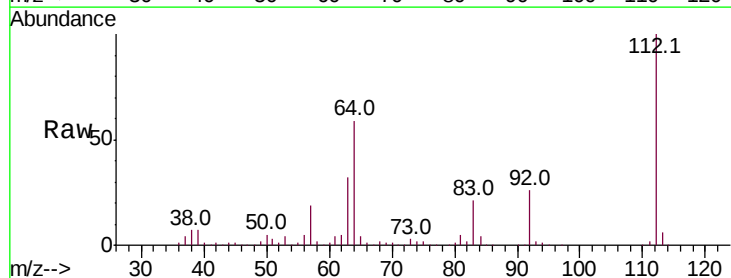
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



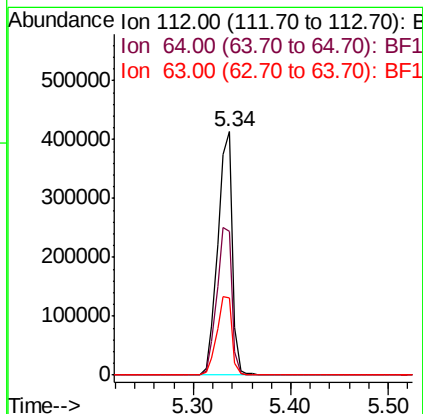
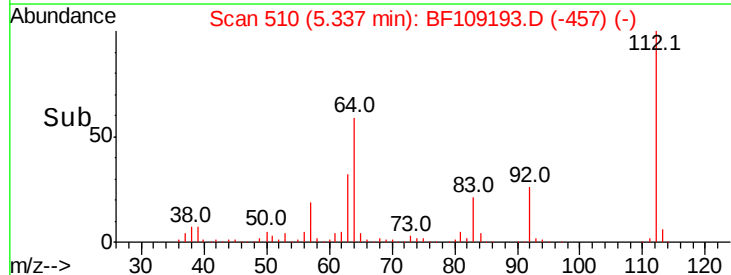
#5

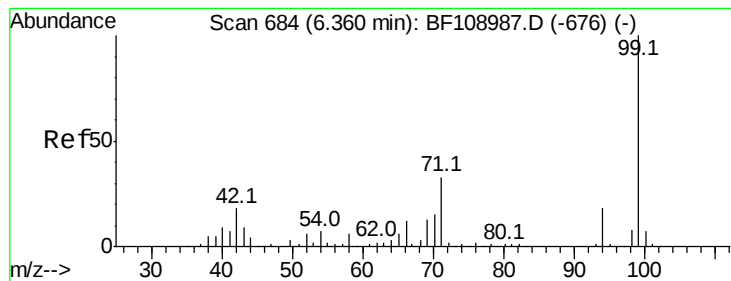
2-Fluorophenol
Concen: 79.158 ng
RT: 5.34 min Scan# 510
Delta R.T. 0.01 min
Lab File: BF109193.D
Acq: 20 Sep 2018 20:26

Tgt Ion:112 Resp: 426351
Ion Ratio Lower Upper
112 100
64 59.3 47.9 71.9
63 31.6 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: 79.816 ng

RT: 6.36 min Scan# 684

Delta R.T. -0.00 min

Lab File: BF109193.D

Acq: 20 Sep 2018 20:26

Instrument :

BNA_F

ClientSampleId :

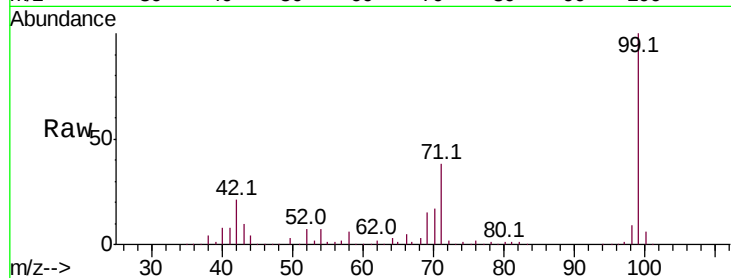
Tot Ion: 99 Resp: 554331

Ion Ratio Lower Upper

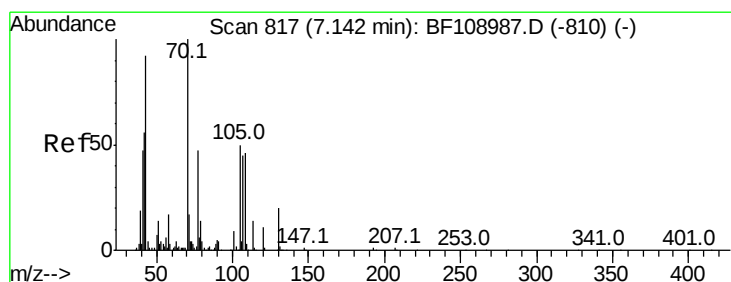
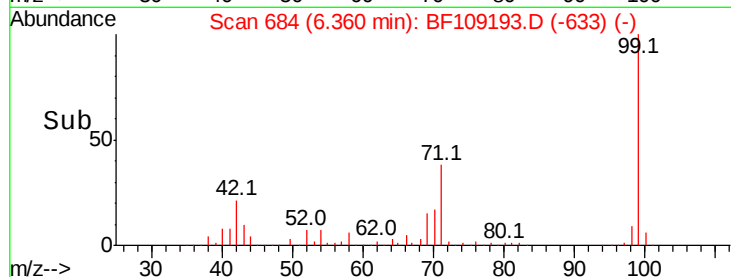
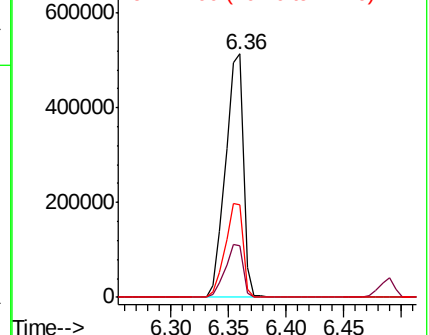
99 100

42 21.1 14.5 21.7

71 37.9 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: 12.309 ng

RT: 7.28 min Scan# 840

Delta R.T. 0.14 min

Lab File: BF109193.D

Acq: 20 Sep 2018 20:26

Tgt Ion: 70 Resp: 56507

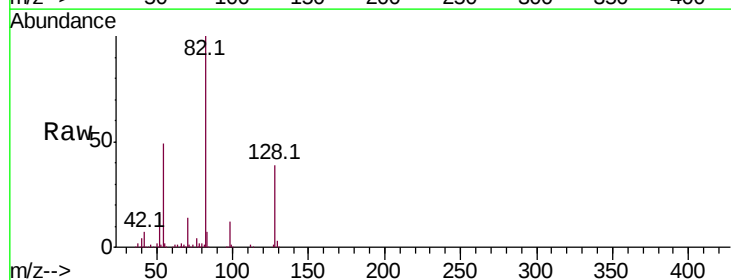
Ion Ratio Lower Upper

70 100

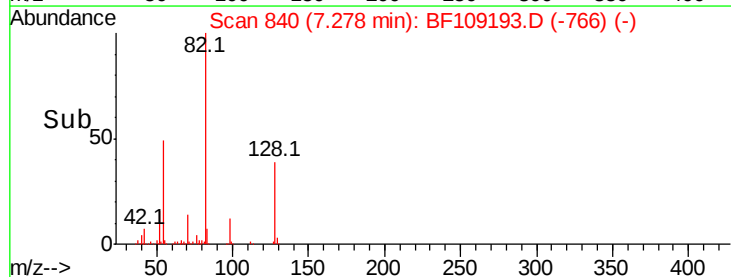
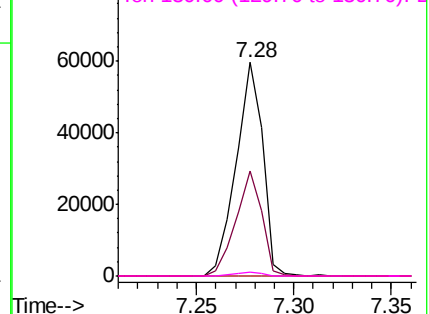
42 49.4 47.5 71.3

101 0.0 7.4 11.2#

130 1.8 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

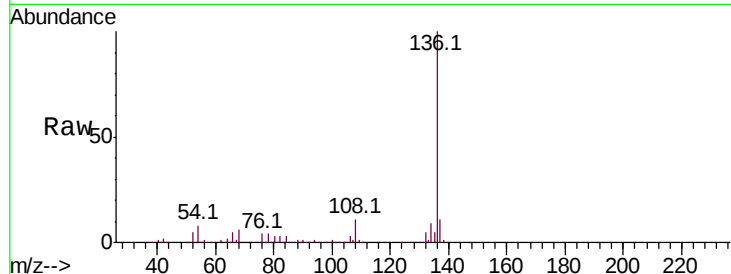




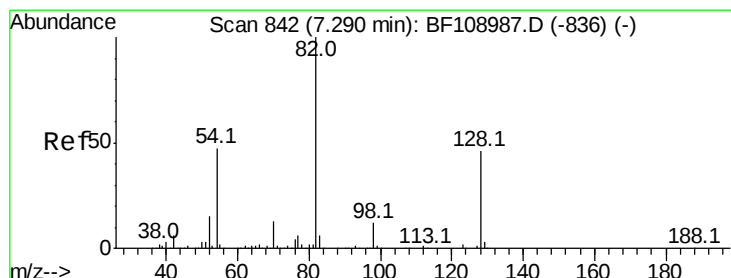
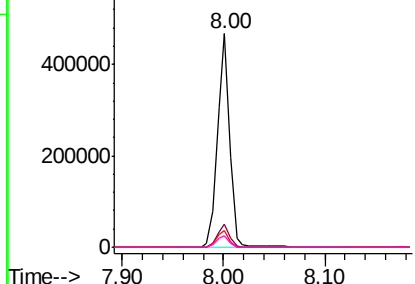
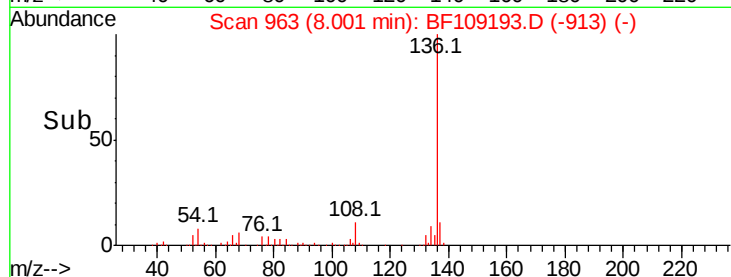
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 963
Delta R.T. -0.01 min
Lab File: BF109193.D
Acq: 20 Sep 2018 20:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	389778
Ion Ratio	Lower	Upper
136 100		
137 11.1	8.9	13.3
54 7.7	6.6	9.8
68 5.6	5.0	7.4

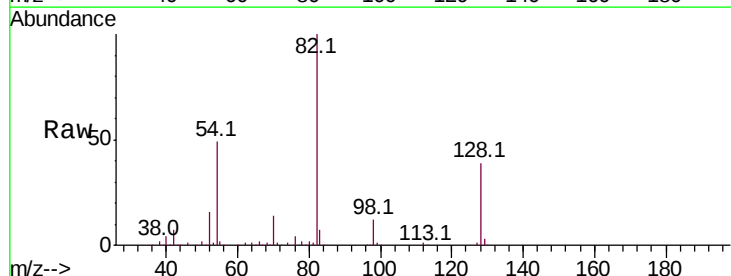


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

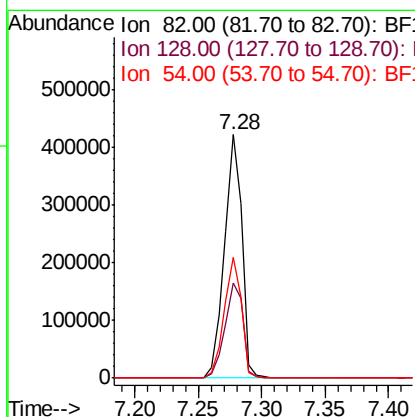
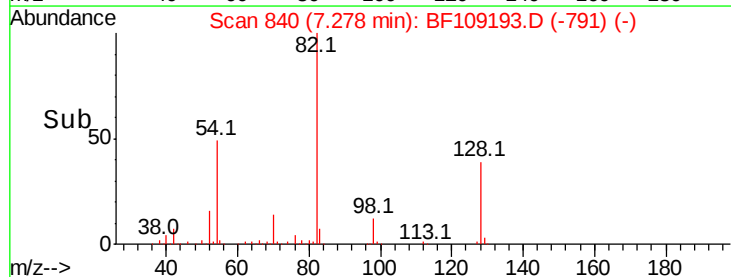


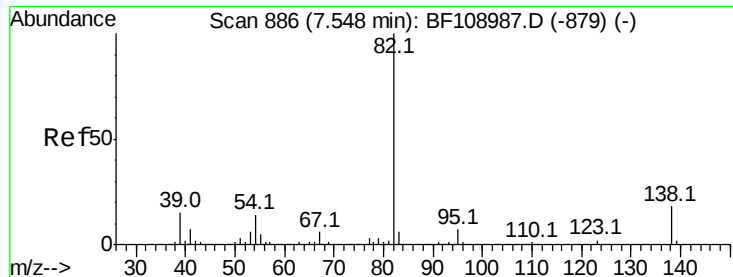
#23
Nitrobenzene-d5
Concen: 58.271 ng
RT: 7.28 min Scan# 840
Delta R.T. -0.01 min
Lab File: BF109193.D
Acq: 20 Sep 2018 20:26

Tgt Ion: 82	Resp: 404944
Ion Ratio	Lower Upper
82 100	
128 38.9	36.1 54.1
54 49.4	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: 33.679 ng

RT: 7.28 min Scan# 840

Delta R.T. -0.27 min

Lab File: BF109193.D

Acq: 20 Sep 2018 20:26

Instrument :

BNA_F

ClientSampleId :

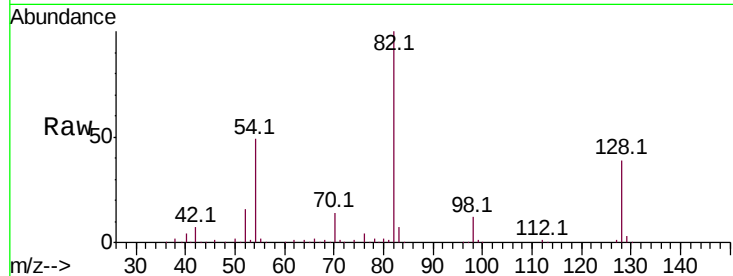
Tot Ion: 82 Resp: 402321

Ion Ratio Lower Upper

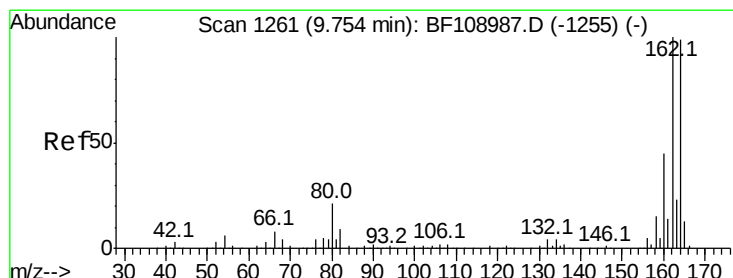
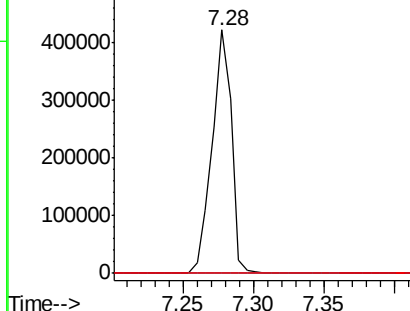
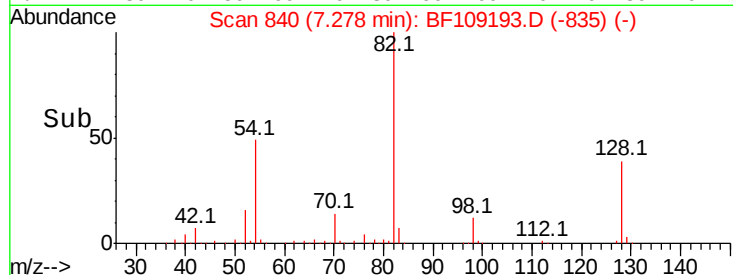
82 100

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: 9.75 min Scan# 1260

Delta R.T. -0.01 min

Lab File: BF109193.D

Acq: 20 Sep 2018 20:26

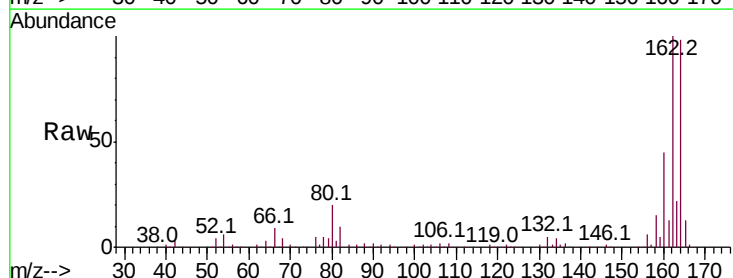
Tgt Ion: 164 Resp: 222148

Ion Ratio Lower Upper

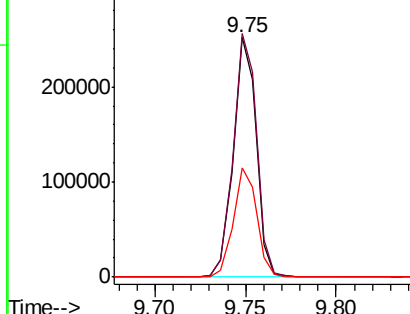
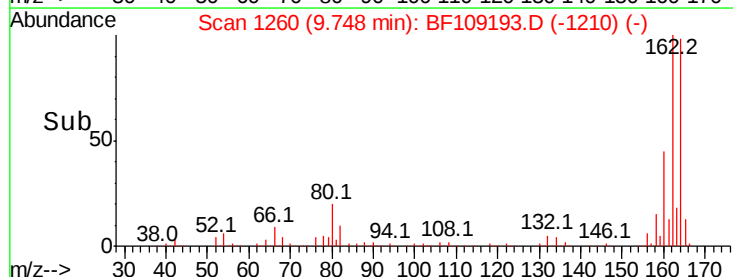
164 100

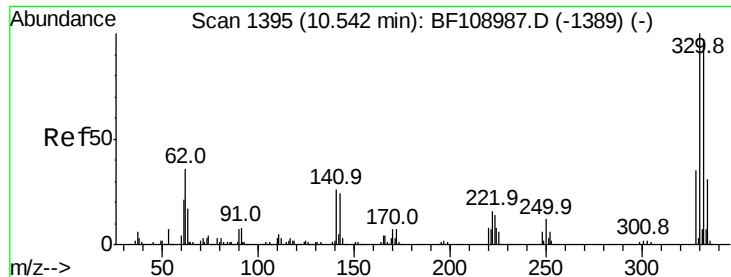
162 101.7 86.1 129.1

160 45.7 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

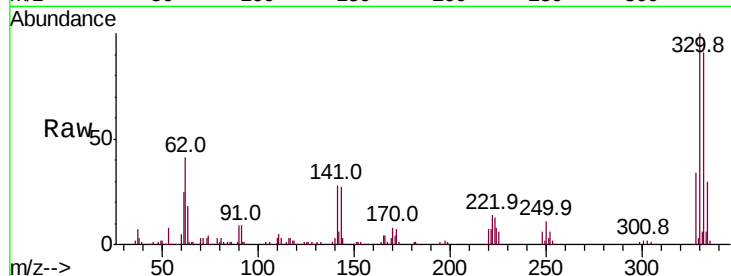




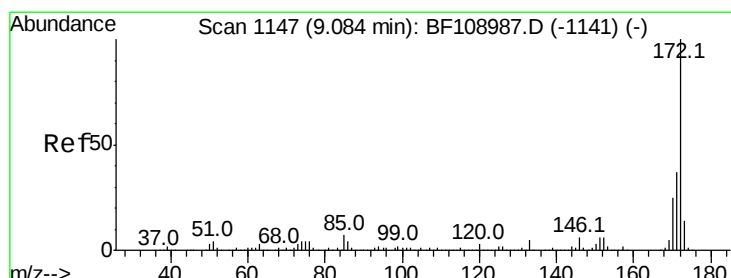
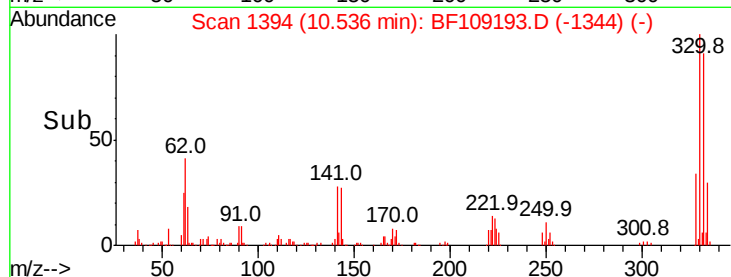
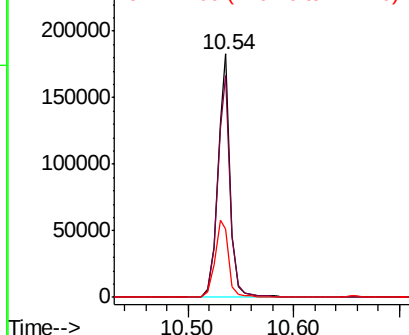
#41
 2,4,6-Tribromophenol
 Concen: 62.353 ng
 RT: 10.54 min Scan# 1394
 Delta R.T. -0.01 min
 Lab File: BF109193.D
 Acq: 20 Sep 2018 20:26

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.8	77.0	115.6
141	36.0	29.9	44.9

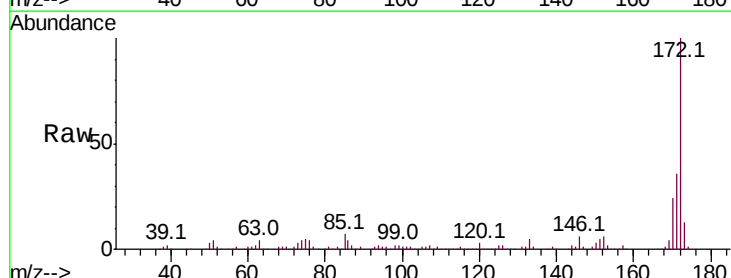


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

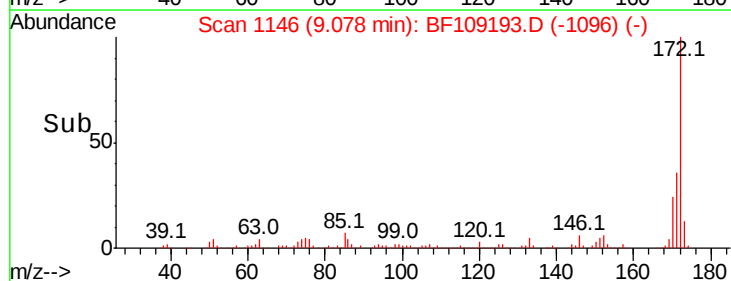
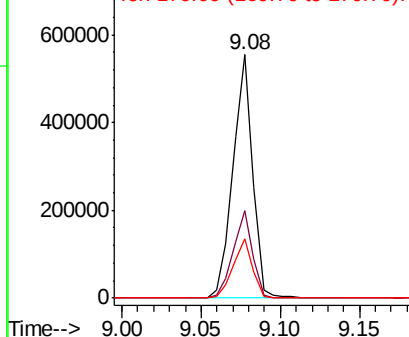


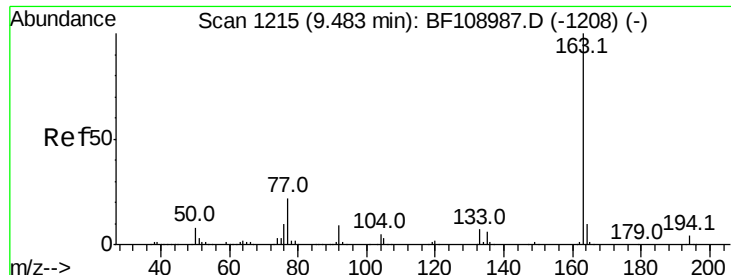
#44
 2-Fluorobiphenyl
 Concen: 33.728 ng
 RT: 9.08 min Scan# 1146
 Delta R.T. -0.01 min
 Lab File: BF109193.D
 Acq: 20 Sep 2018 20:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	24.5	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

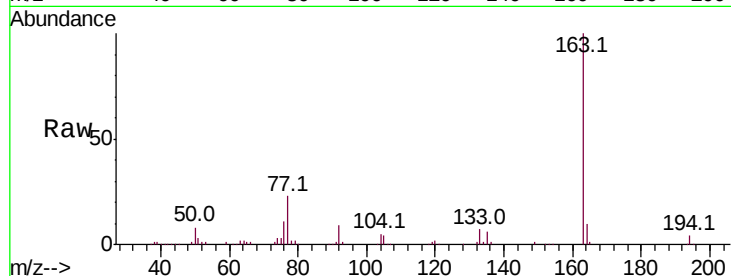




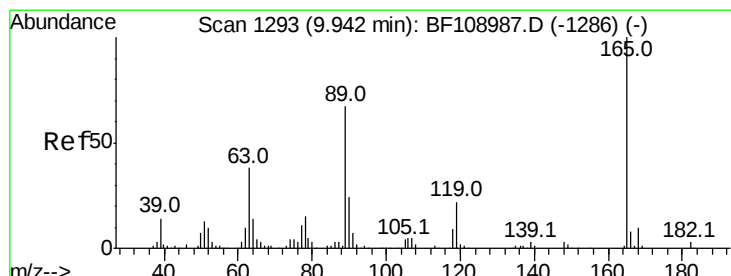
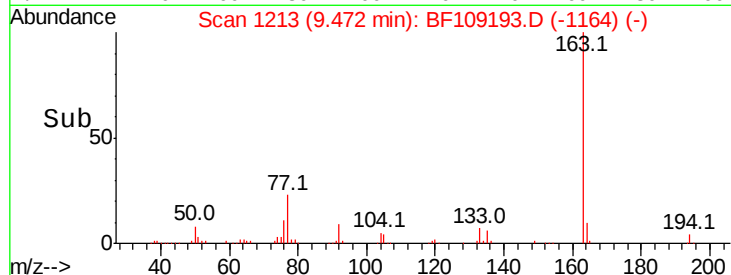
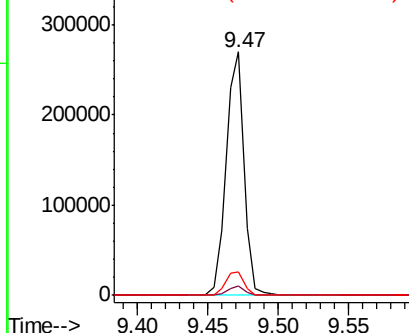
#49
Dimethylphthalate
Concen: 14.931 ng
RT: 9.47 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF109193.D
Acq: 20 Sep 2018 20:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 237070
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 9.9 8.2 12.2

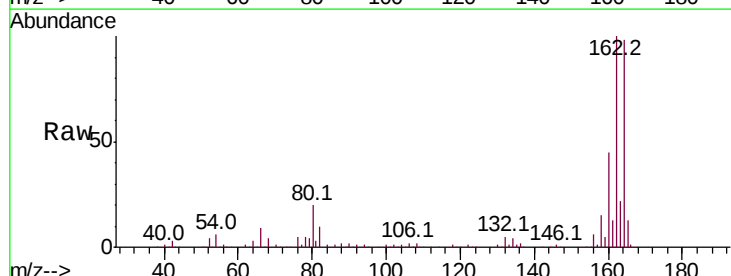


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

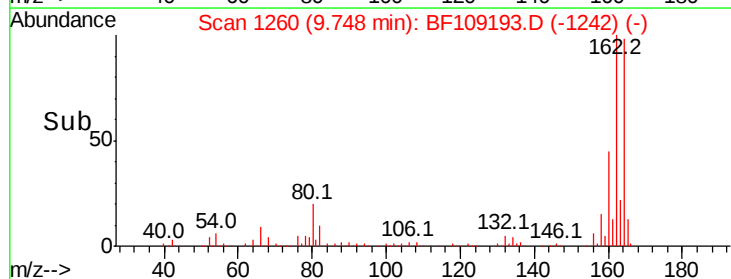
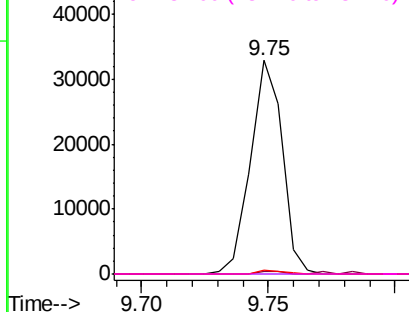


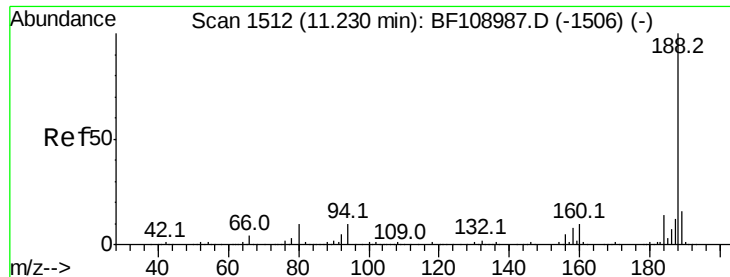
#56
2,4-Dinitrotoluene
Concen: 6.259 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.19 min
Lab File: BF109193.D
Acq: 20 Sep 2018 20:26

Tgt Ion:165 Resp: 28821
Ion Ratio Lower Upper
165 100
63 1.1 36.4 54.6#
89 1.6 57.8 86.6#
182 0.0 1.6 2.4#



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
Ion 182.00 (181.70 to 182.70): E

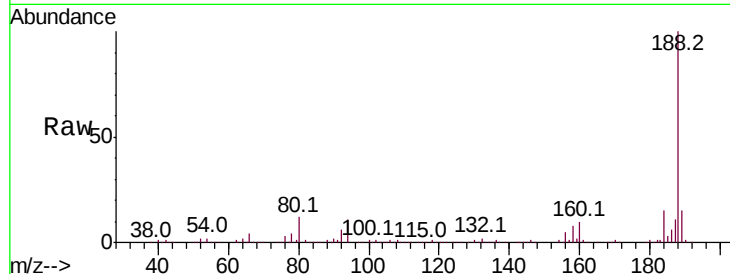




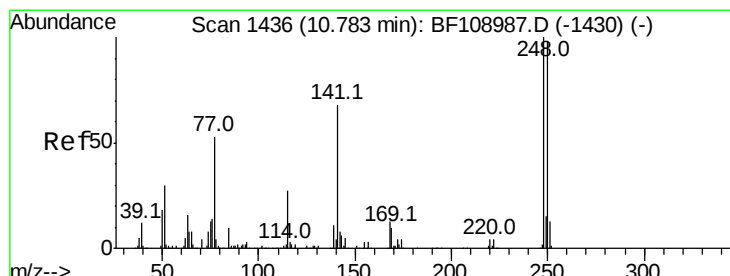
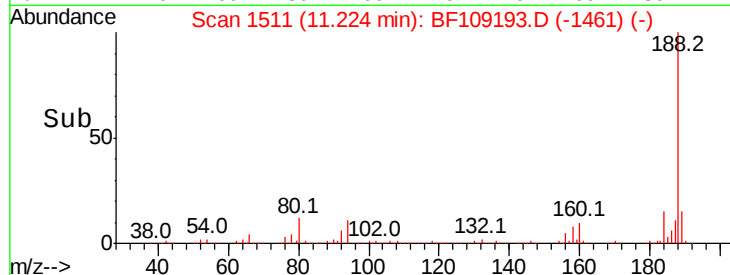
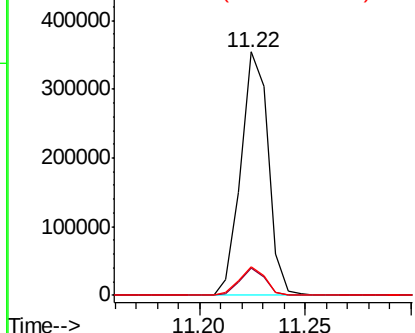
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1511
 Delta R.T. -0.01 min
 Lab File: BF109193.D
 Acq: 20 Sep 2018 20:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 319038
 Ion Ratio Lower Upper
 188 100
 94 11.0 8.5 12.7
 80 11.8 9.2 13.8

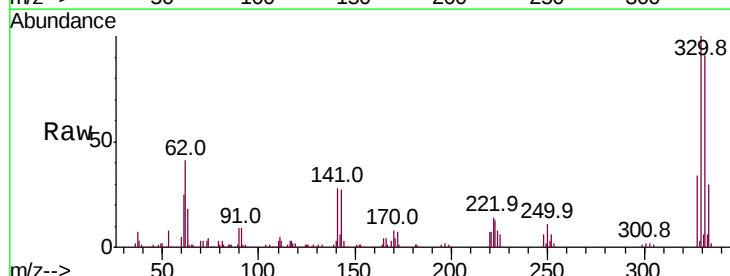


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

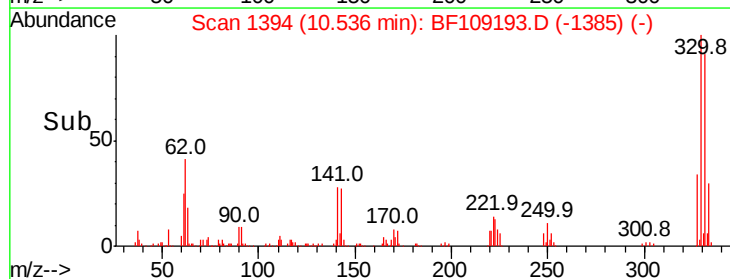
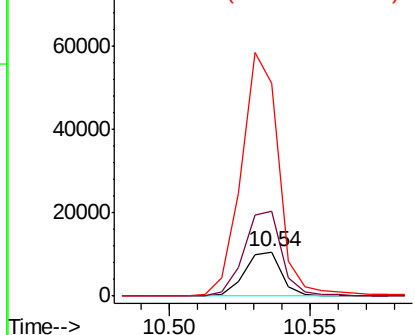


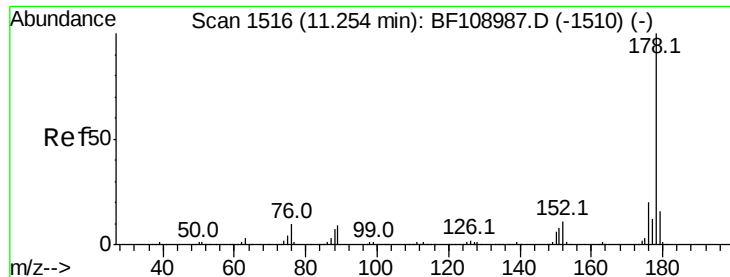
#66
 4-Bromophenyl-phenylether
 Concen: 2.665 ng
 RT: 10.54 min Scan# 1394
 Delta R.T. -0.25 min
 Lab File: BF109193.D
 Acq: 20 Sep 2018 20:26

Tgt Ion:248 Resp: 9584
 Ion Ratio Lower Upper
 248 100
 250 192.2 76.9 115.3#
 141 485.6 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

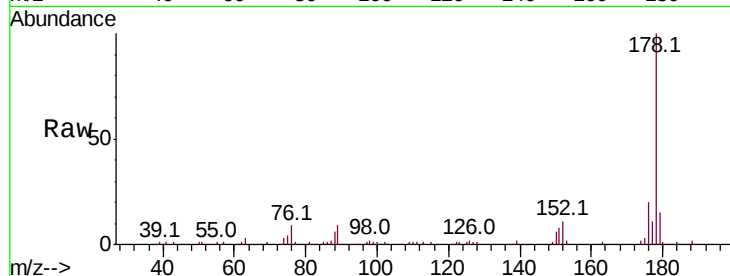




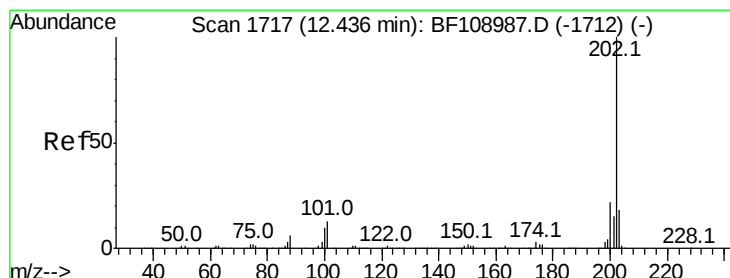
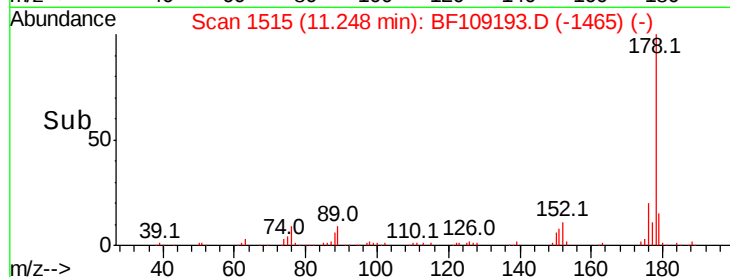
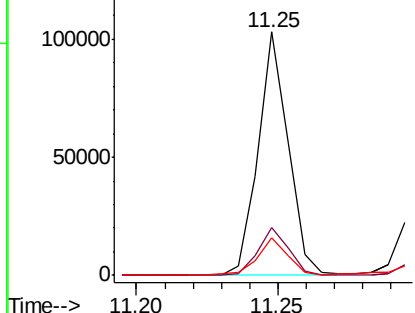
#70
Phenanthrene
Concen: 4.880 ng
RT: 11.25 min Scan# 1515
Delta R.T. -0.01 min
Lab File: BF109193.D
Acq: 20 Sep 2018 20:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 76321
Ion Ratio Lower Upper
178 100
176 19.8 15.8 23.8
179 15.5 13.0 19.6

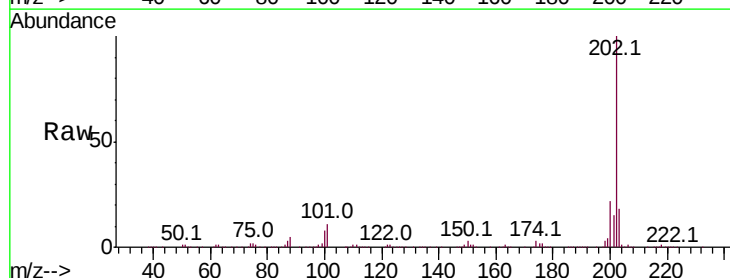


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

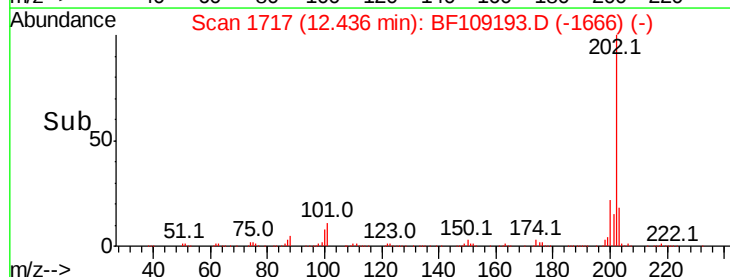
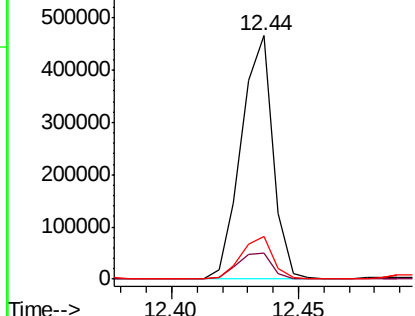


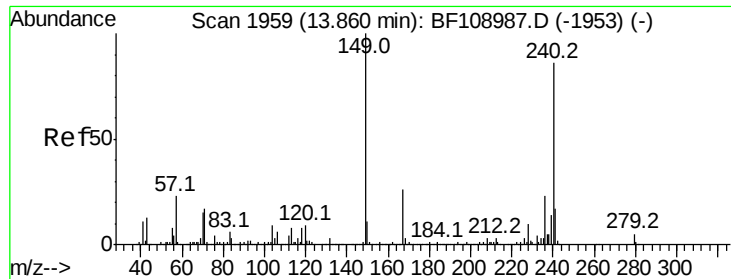
#74
Fluoranthene
Concen: 24.455 ng
RT: 12.44 min Scan# 1717
Delta R.T. -0.00 min
Lab File: BF109193.D
Acq: 20 Sep 2018 20:26

Tgt Ion:202 Resp: 403769
Ion Ratio Lower Upper
202 100
101 10.6 0.0 34.1
203 17.6 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: 13.85 min Scan# 1958

Delta R.T. -0.01 min

Lab File: BF109193.D

Acq: 20 Sep 2018 20:26

Instrument :

BNA_F

ClientSampleId :

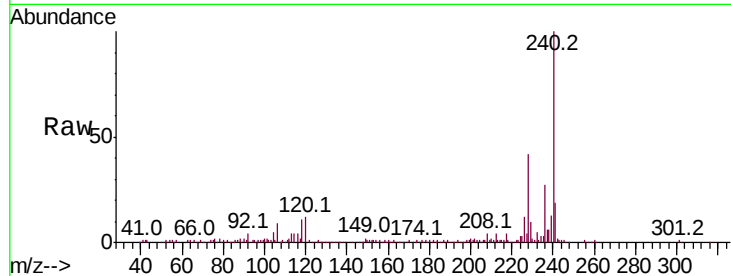
Tot Ion:240 Resp: 201638

Ion Ratio Lower Upper

240 100

120 12.4 9.5 14.3

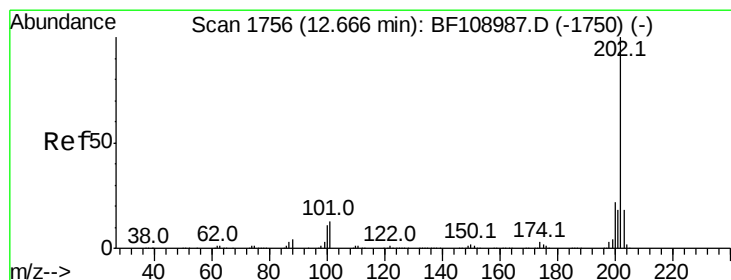
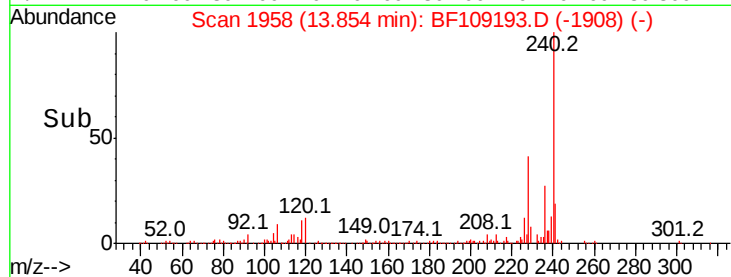
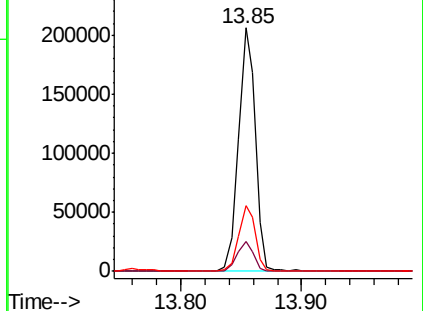
236 27.2 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 37.243 ng

RT: 12.67 min Scan# 1756

Delta R.T. -0.00 min

Lab File: BF109193.D

Acq: 20 Sep 2018 20:26

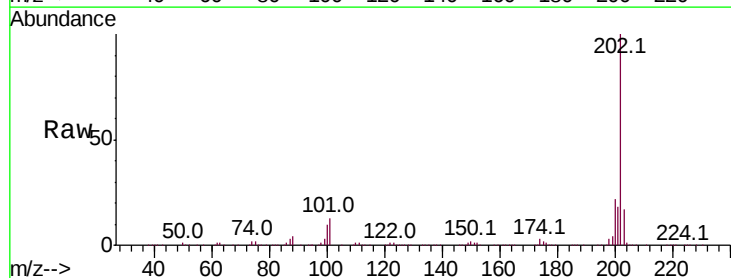
Tgt Ion:202 Resp: 557808

Ion Ratio Lower Upper

202 100

200 22.1 17.4 26.2

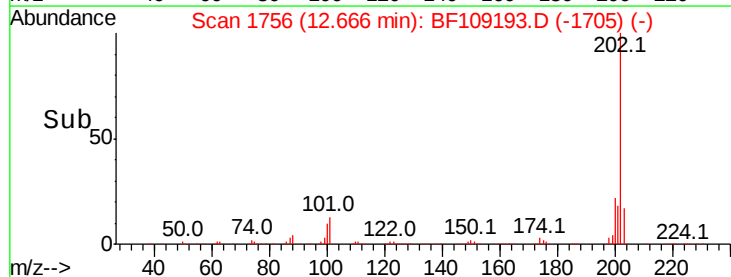
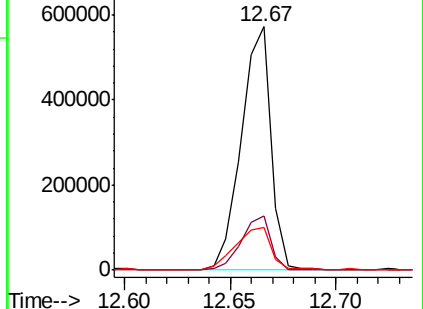
203 17.5 14.3 21.5

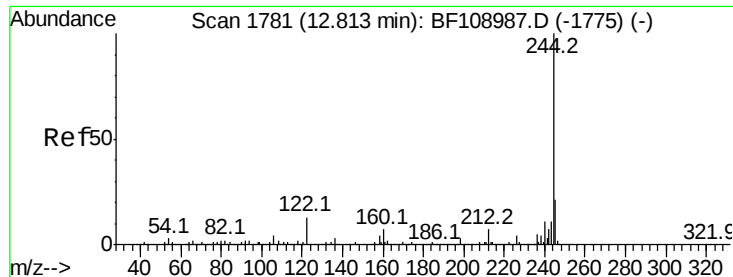


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

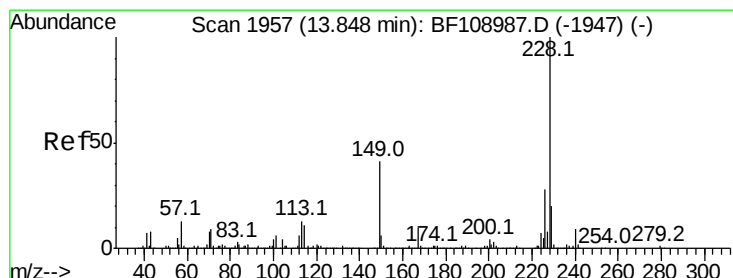
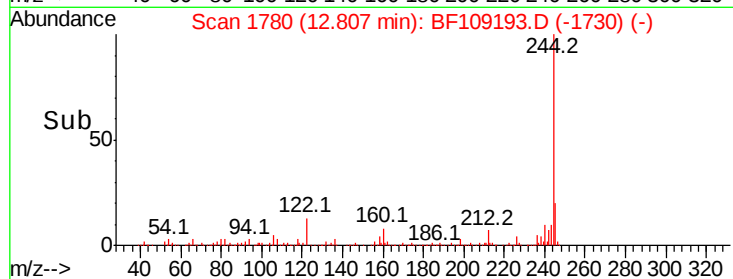
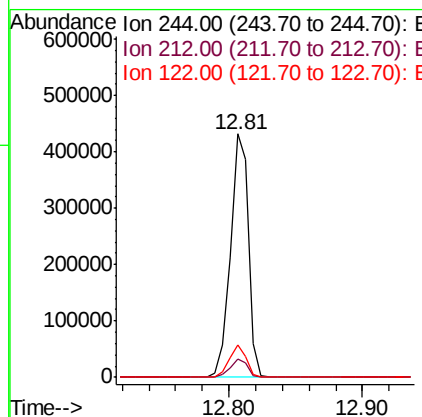
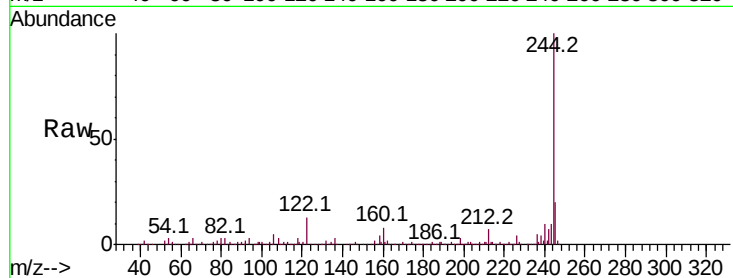




#78
 Terphenyl-d14
 Concen: 48.325 ng
 RT: 12.81 min Scan# 1780
 Delta R.T. -0.01 min
 Lab File: BF109193.D
 Acq: 20 Sep 2018 20:26

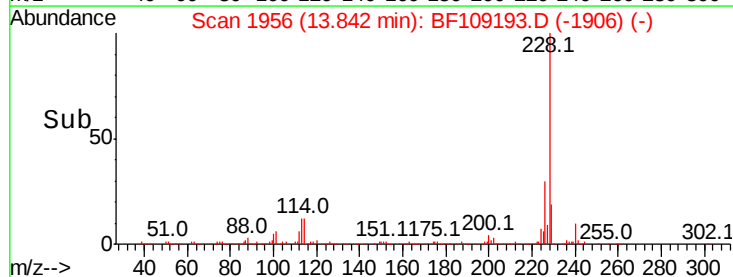
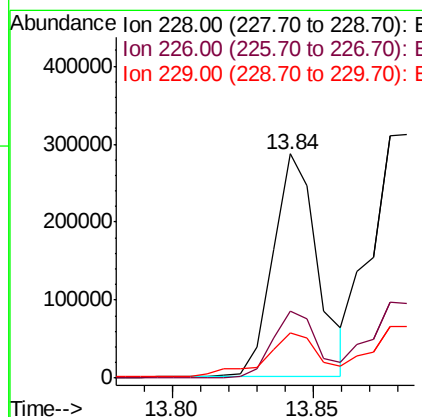
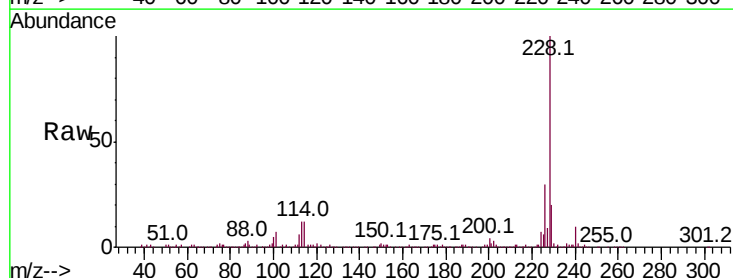
Instrument :
 BNA_F
 ClientSampled :

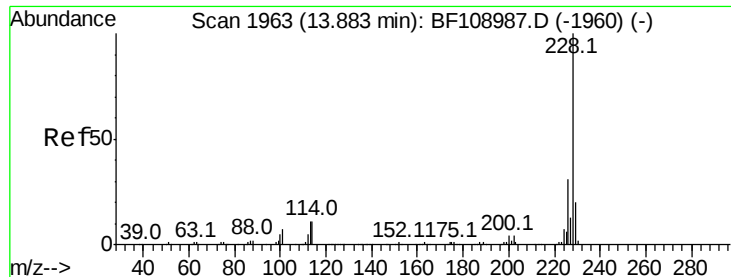
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.4	8.0
122	13.1	11.0	16.4



#80
 Benzo(a)anthracene
 Concen: 25.622 ng
 RT: 13.84 min Scan# 1956
 Delta R.T. -0.01 min
 Lab File: BF109193.D
 Acq: 20 Sep 2018 20:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.6	33.8
229	19.9	15.8	23.6





#82

Chrysene

Concen: 28.878 ng

RT: 13.88 min Scan# 1963

Delta R.T. -0.00 min

Lab File: BF109193.D

Acq: 20 Sep 2018 20:26

Instrument :

BNA_F

ClientSampleId :

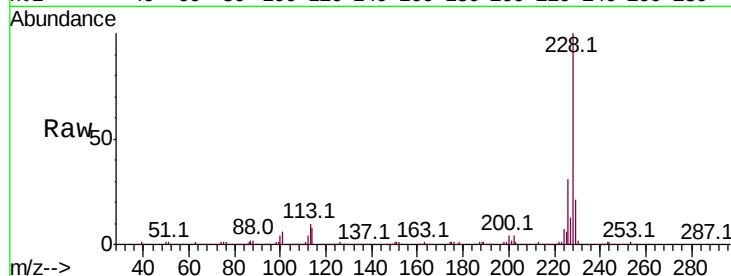
Tot Ion:228 Resp: 352711

Ion Ratio Lower Upper

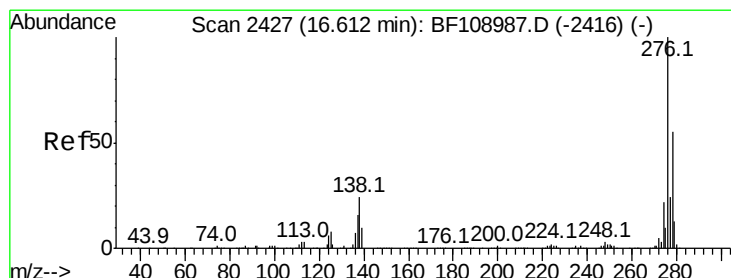
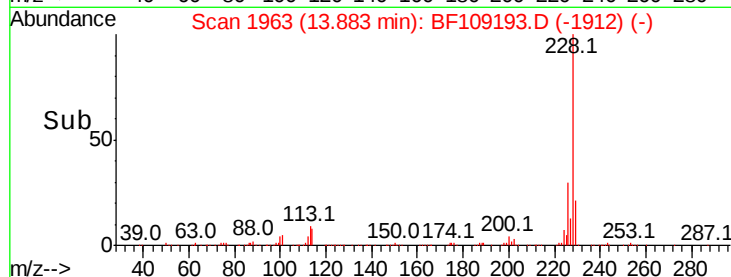
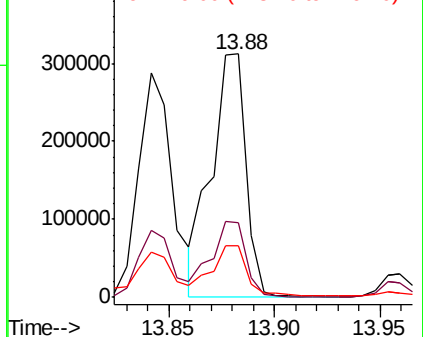
228 100

226 30.8 25.0 37.6

229 21.2 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: 9.272 ng

RT: 16.60 min Scan# 2425

Delta R.T. -0.01 min

Lab File: BF109193.D

Acq: 20 Sep 2018 20:26

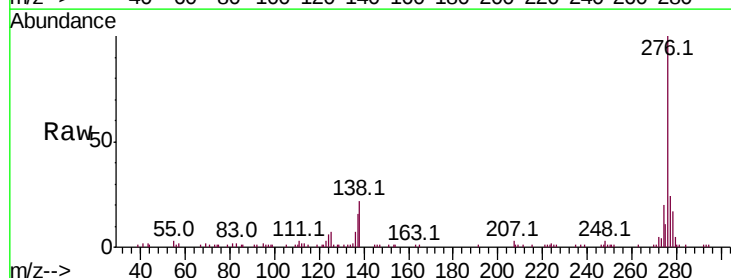
Tgt Ion:276 Resp: 90539

Ion Ratio Lower Upper

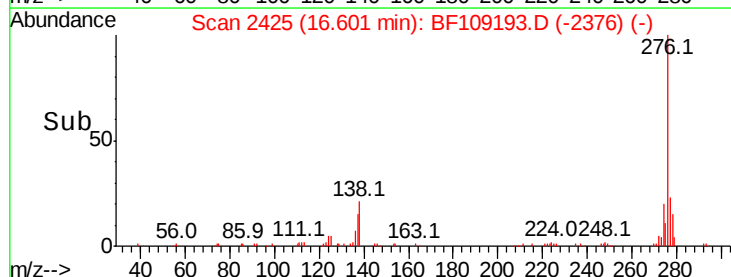
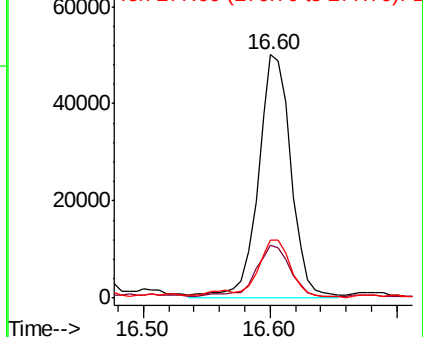
276 100

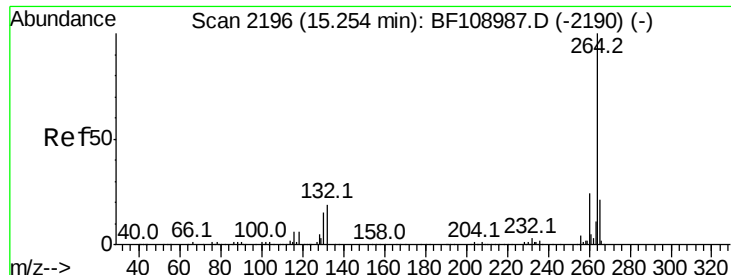
138 24.4 25.0 37.6#

277 23.9 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

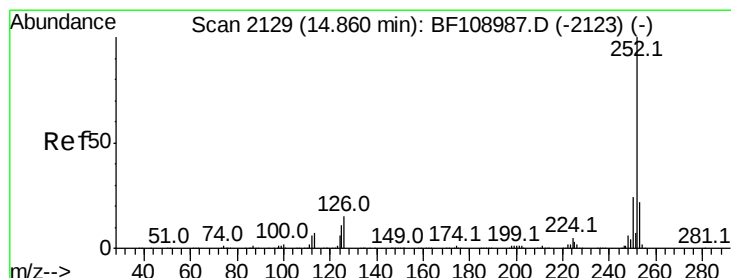
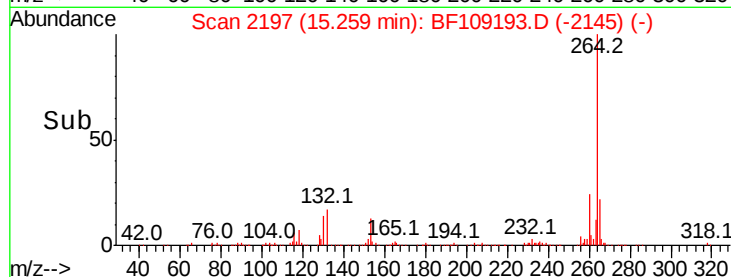
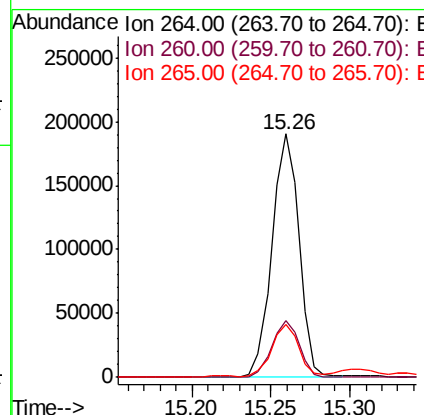
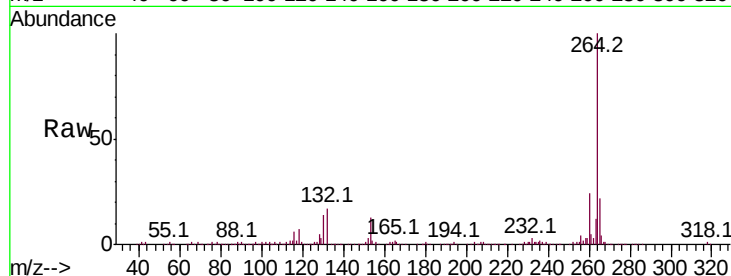




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF109193.D
Acq: 20 Sep 2018 20:26

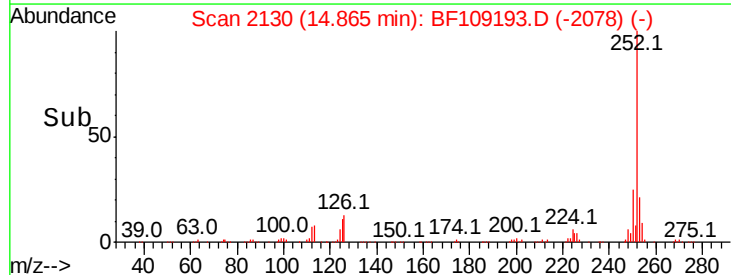
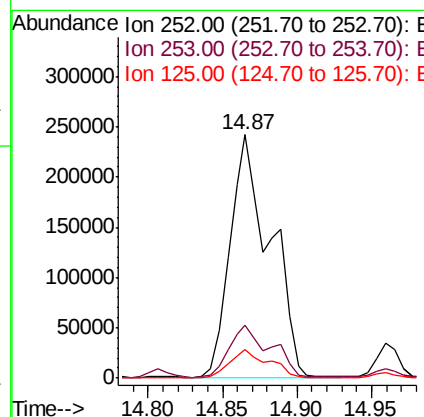
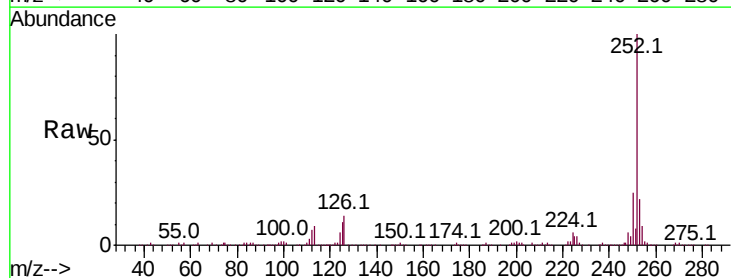
Instrument :
BNA_F
ClientSampleId :

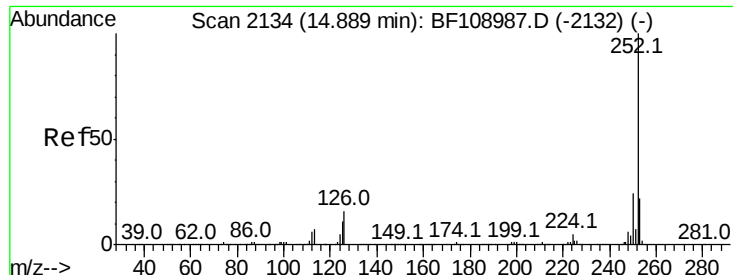
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.6	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 35.903 ng
RT: 14.87 min Scan# 2130
Delta R.T. 0.01 min
Lab File: BF109193.D
Acq: 20 Sep 2018 20:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.0	25.6
125	11.5	9.0	13.6

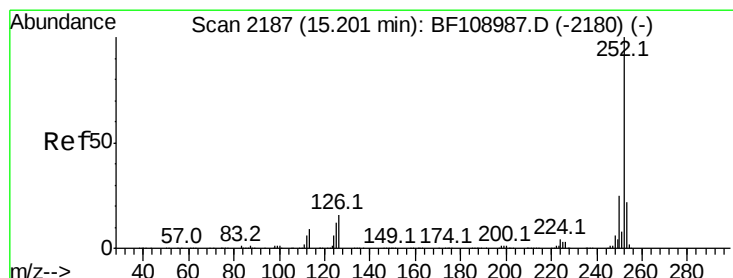
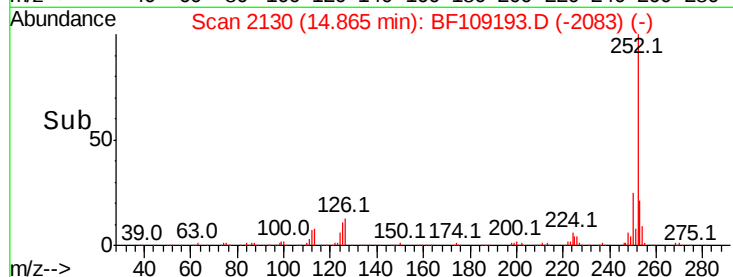
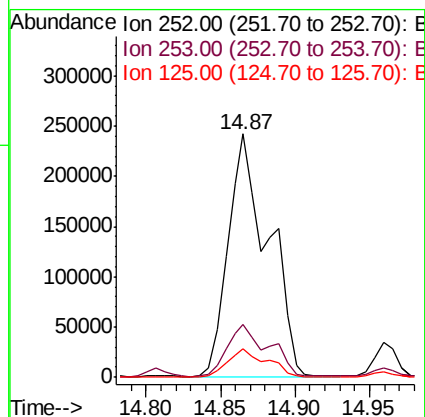
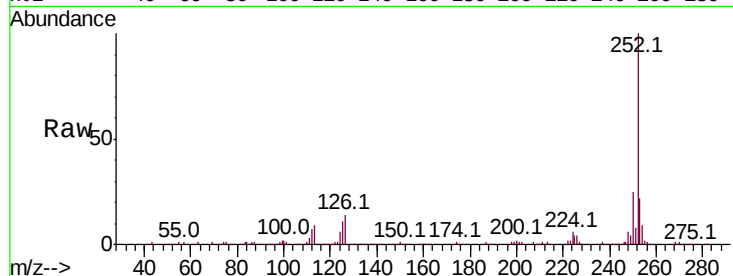




#88
Benzo(k)fluoranthene
Concen: 38.440 ng
RT: 14.87 min Scan# 2130
Delta R.T. -0.02 min
Lab File: BF109193.D
Acq: 20 Sep 2018 20:26

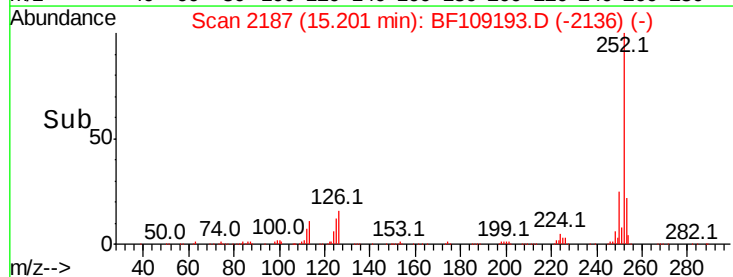
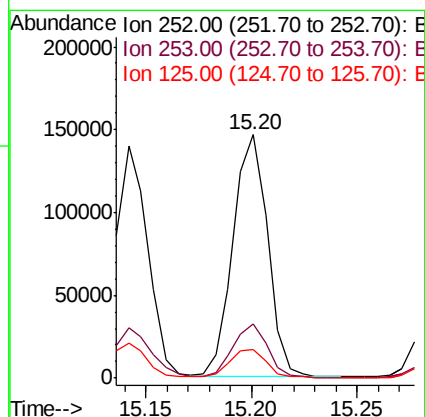
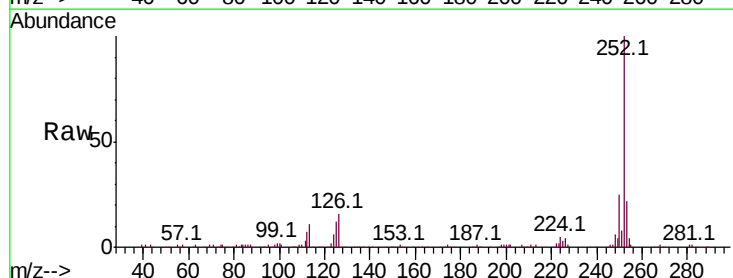
Instrument :
BNA_F
ClientSampleId :

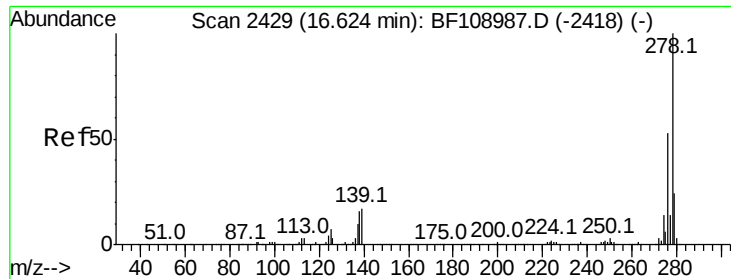
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.9	26.9
125	11.5	10.2	15.2



#89
Benzo(a)pyrene
Concen: 14.805 ng
RT: 15.20 min Scan# 2187
Delta R.T. -0.00 min
Lab File: BF109193.D
Acq: 20 Sep 2018 20:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	11.6	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 2.648 ng

RT: 16.61 min Scan# 2427

Delta R.T. -0.01 min

Lab File: BF109193.D

Acq: 20 Sep 2018 20:26

Instrument :

BNA_F

ClientSampleId :

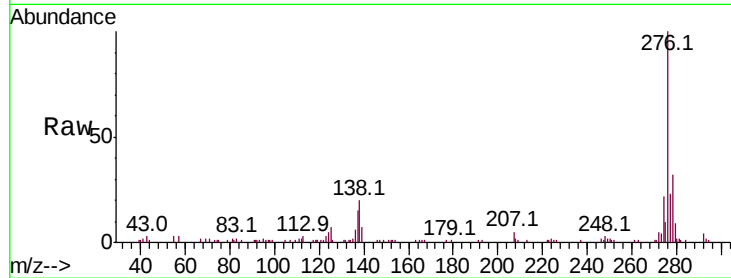
Tot Ion:278 Resp: 24935

Ion Ratio Lower Upper

278 100

139 22.3 15.9 23.9

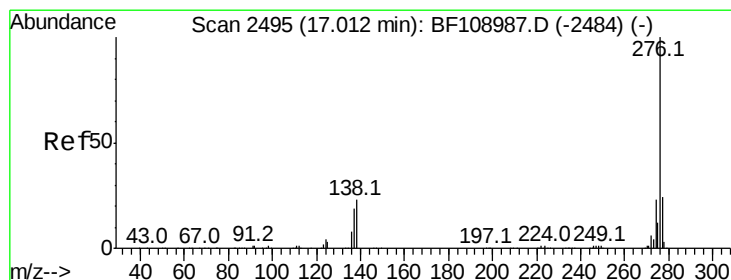
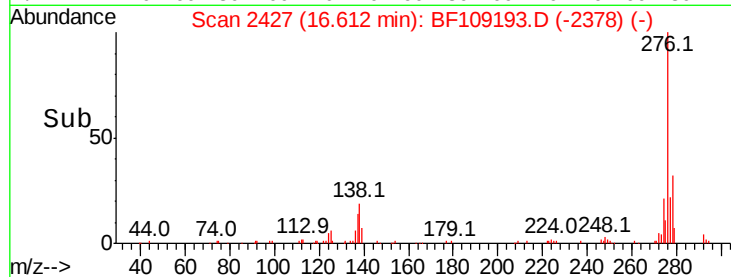
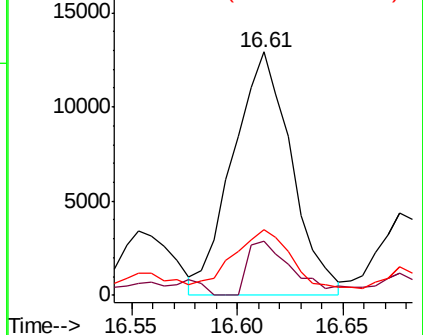
279 26.8 19.0 28.4



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: 7.053 ng

RT: 17.01 min Scan# 2495

Delta R.T. -0.00 min

Lab File: BF109193.D

Acq: 20 Sep 2018 20:26

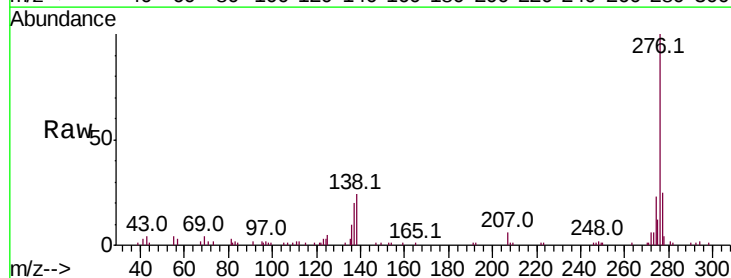
Tgt Ion:276 Resp: 66404

Ion Ratio Lower Upper

276 100

277 24.7 17.9 26.9

138 24.0 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

