

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
 Data File : BF109232.D
 Acq On : 22 Sep 2018 20:08
 Operator : JU/SJ
 Sample : J4777-17 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 24 06:50:34 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	6.70	152	124276	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	484328	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	224623	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	372155	20.00	ng	0.00
75) Chrysene-d12	13.84	240	245344	20.00	ng	0.00
86) Perylene-d12	15.24	264	247576	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	100062	13.26	ng	-0.02
7) Phenol-d6	6.33	99	131614	13.67	ng	-0.02
23) Nitrobenzene-d5	7.26	82	76193	9.29	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	26201	11.83	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	160618	10.78	ng	-0.01
78) Terphenyl-d14	12.79	244	111189	11.12	ng	-0.01

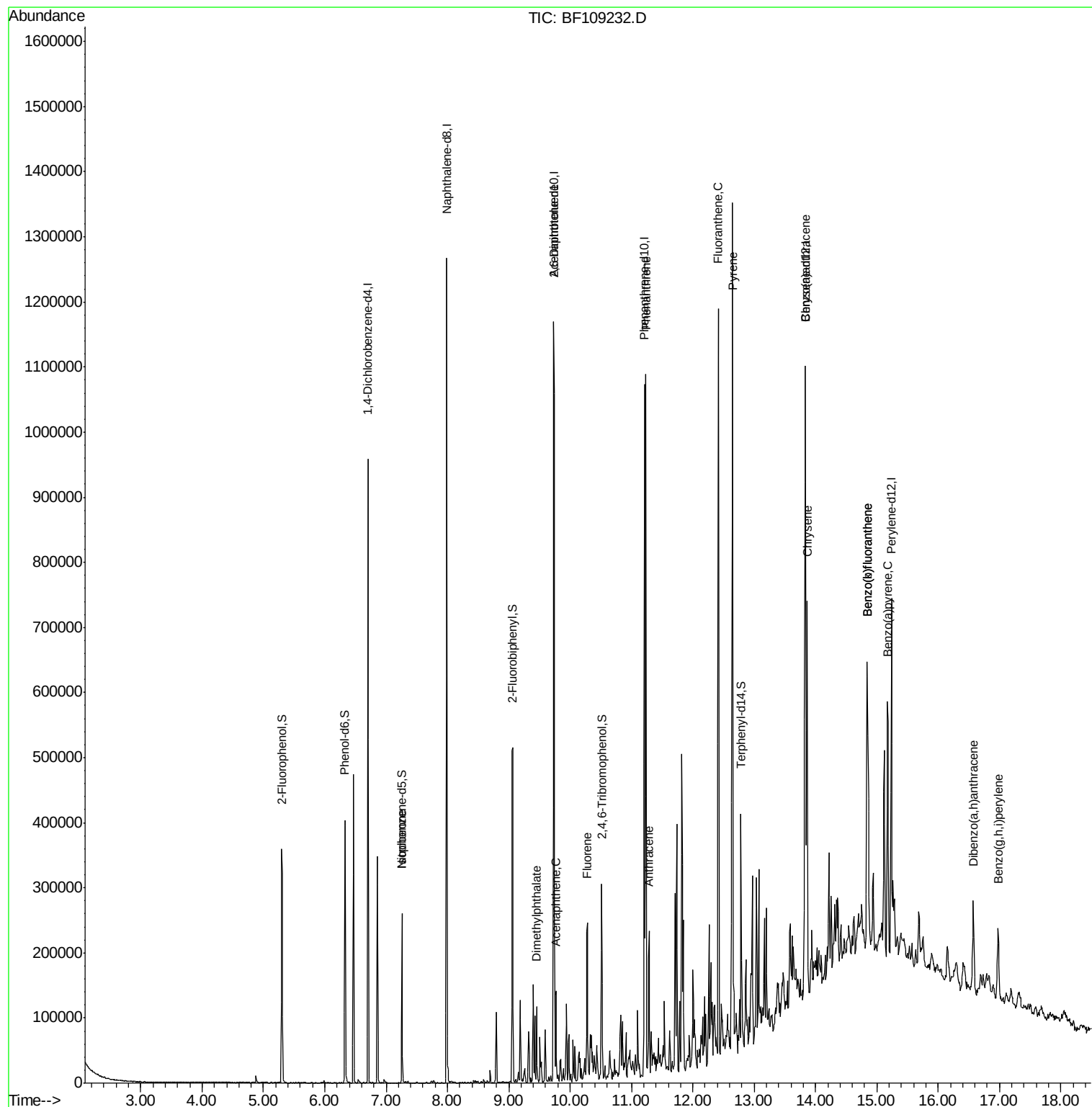
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.26	82	66460	4.498	ng	# 64
49) Dimethylphthalate	9.45	163	38441	2.353	ng	100
50) 2,6-Dinitrotoluene	9.73	165	29554	9.134	ng	# 26
51) Acenaphthene	9.77	154	27822	2.086	ng	99
57) Fluorene	10.28	166	61495	4.346	ng	99
70) Phenanthrene	11.23	178	381670	20.540	ng	99
71) Anthracene	11.29	178	80841	4.289	ng	99
74) Fluoranthene	12.42	202	464784	23.406	ng	97
77) Pyrene	12.64	202	503533	28.637	ng	100
80) Benzo(a)anthracene	13.83	228	210886	14.270	ng	97
82) Chrysene	13.86	228	229801	15.689	ng	97
87) Benzo(b)fluoranthene	14.84	252	325044	23.893	ng	97
88) Benzo(k)fluoranthene	14.84	252	325044	25.179	ng	98
89) Benzo(a)pyrene	15.17	252	181613	14.815	ng	98
90) Dibenzo(a,h)anthracene	16.59	278	26361	2.621	ng	92
91) Benzo(g,h,i)perylene	16.98	276	81472	8.243	ng	# 91

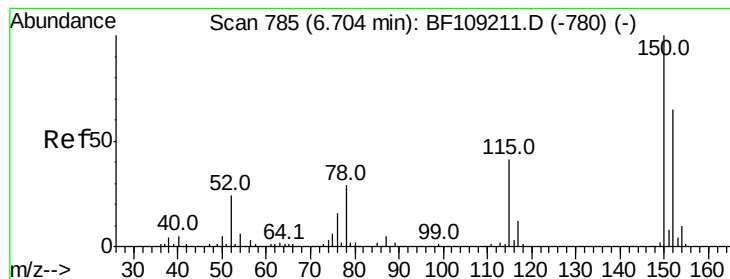
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
Data File : BF109232.D
Acq On : 22 Sep 2018 20:08
Operator : JU/SJ
Sample : J4777-17 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Sep 24 06:50:34 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



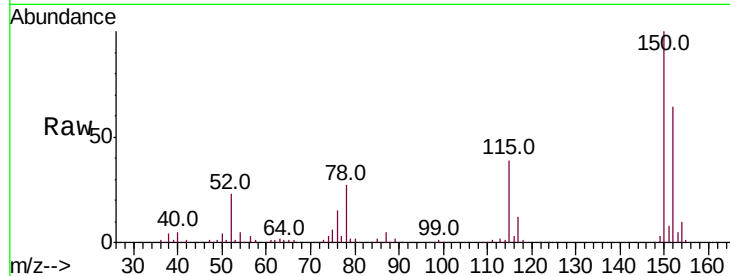


#1

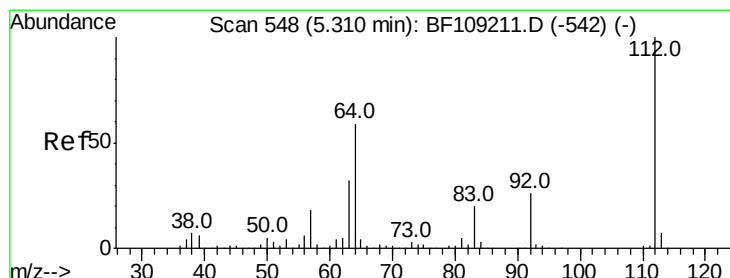
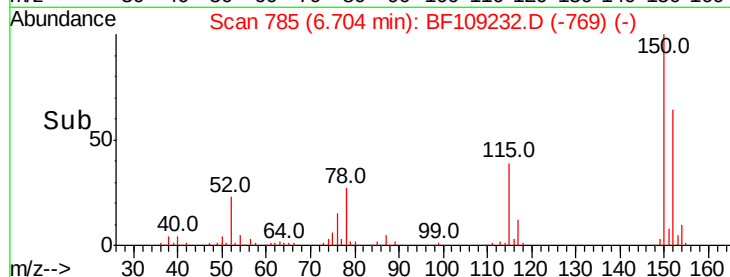
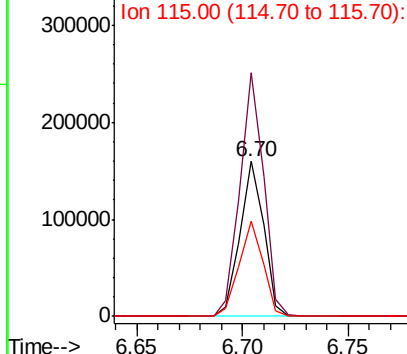
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109232.D
Acq: 22 Sep 2018 20:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 124276
Ion Ratio Lower Upper
152 100
150 157.2 124.6 186.8
115 61.8 50.1 75.1



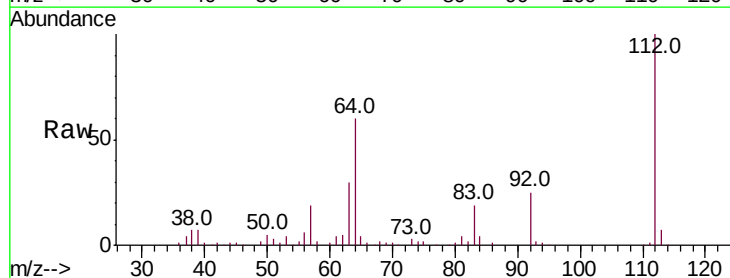
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



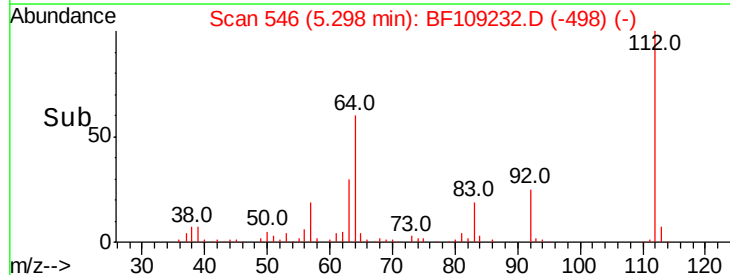
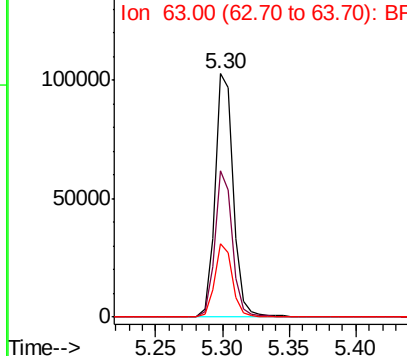
#5

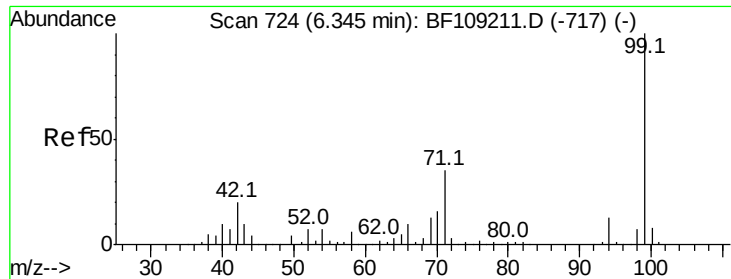
2-Fluorophenol
Concen: 13.262 ng
RT: 5.30 min Scan# 546
Delta R.T. -0.02 min
Lab File: BF109232.D
Acq: 22 Sep 2018 20:08

Tgt Ion:112 Resp: 100062
Ion Ratio Lower Upper
112 100
64 59.9 47.9 71.9
63 30.1 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: 13.670 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.02 min

Lab File: BF109232.D

Acq: 22 Sep 2018 20:08

Instrument :

BNA_F

ClientSampleId :

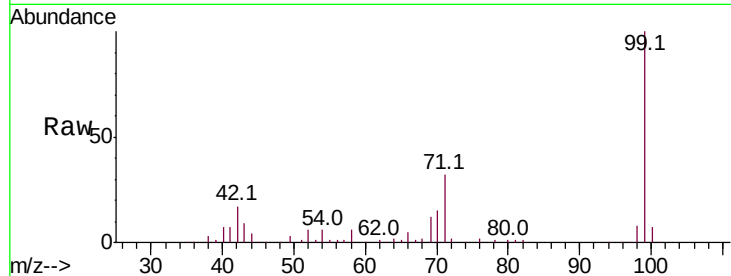
Tot Ion: 99 Resp: 131614

Ion Ratio Lower Upper

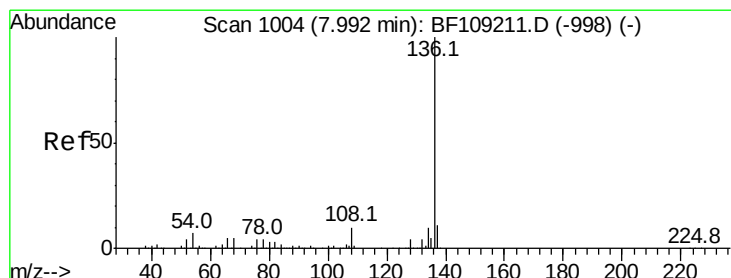
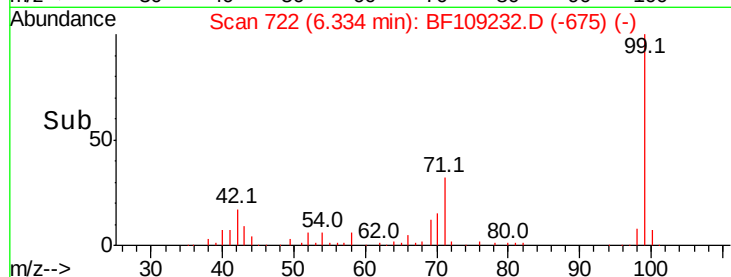
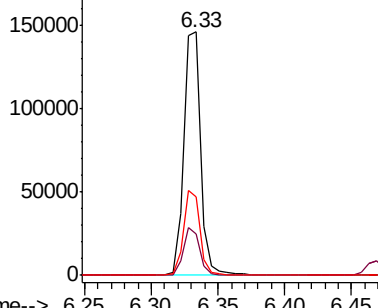
99 100

42 16.9 14.5 21.7

71 32.2 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF109232.D

Acq: 22 Sep 2018 20:08

Tgt Ion: 136 Resp: 484328

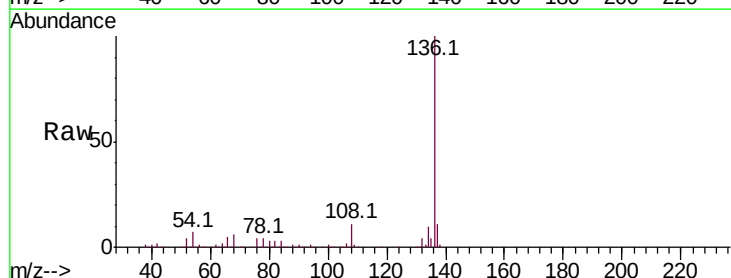
Ion Ratio Lower Upper

136 100

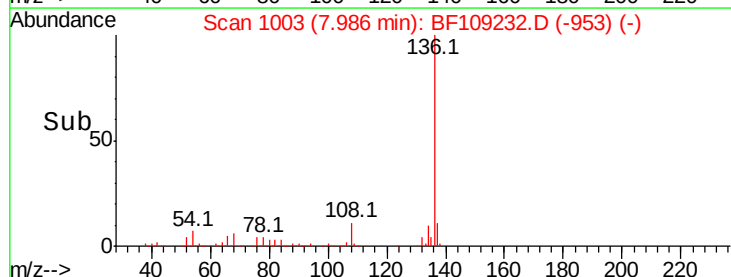
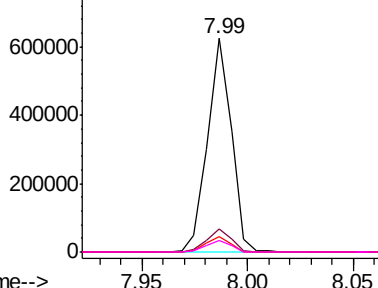
137 10.9 8.9 13.3

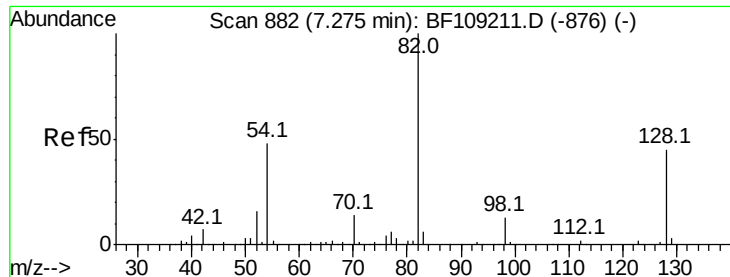
54 7.3 6.6 9.8

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

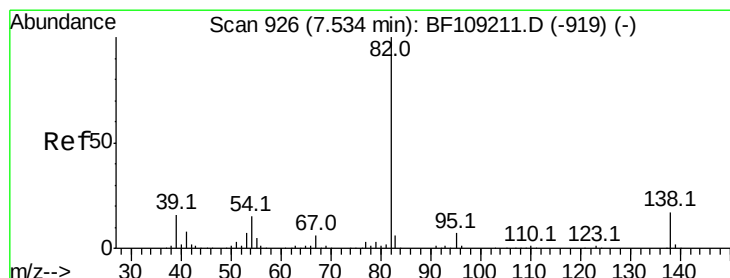
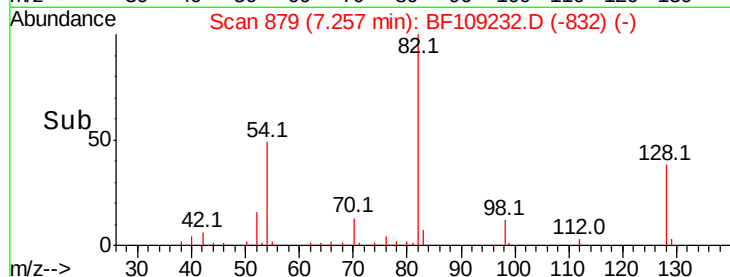
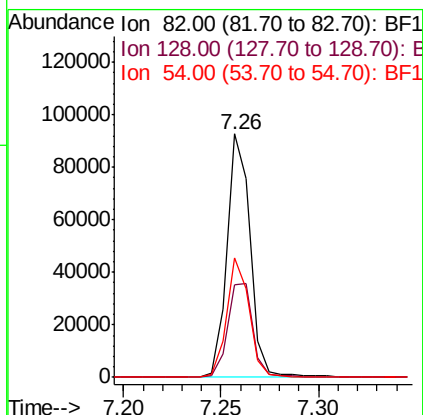
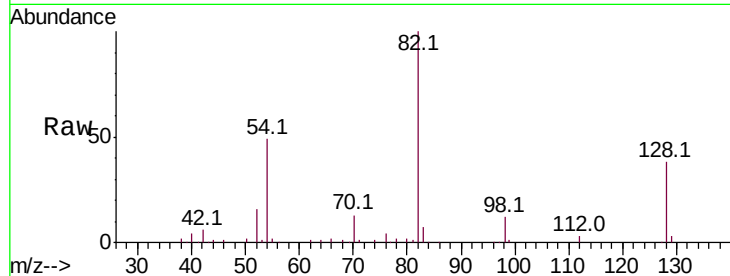




#23
 Nitrobenzene-d5
 Concen: 9.287 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.02 min
 Lab File: BF109232.D
 Acq: 22 Sep 2018 20:08

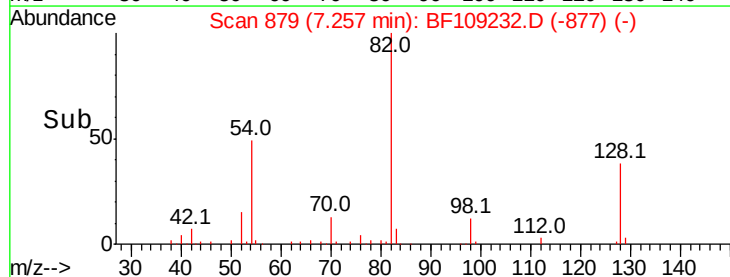
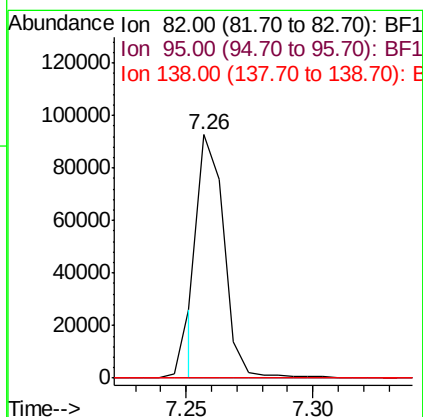
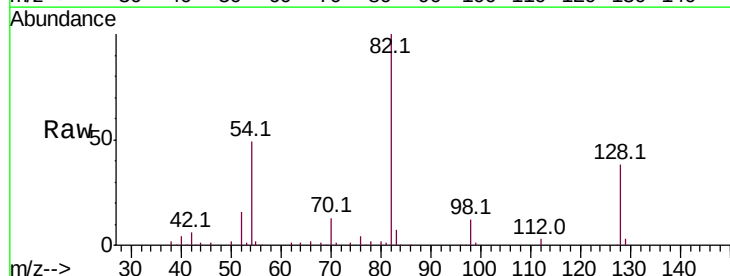
Instrument :
 BNA_F
 ClientSampled :

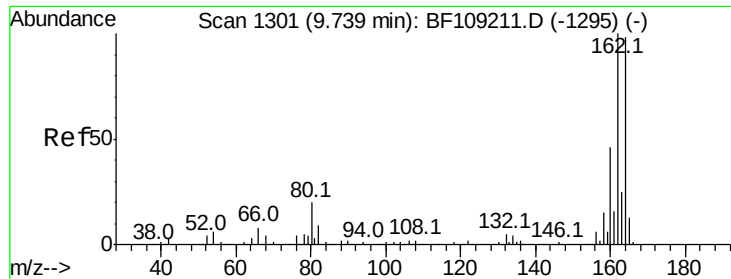
Tot Ion	82	Resp	76193
Ion Ratio	Lower	Upper	
82	100		
128	37.9	36.1	54.1
54	49.1	41.4	62.2



#25
 Isophorone
 Concen: 4.498 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.29 min
 Lab File: BF109232.D
 Acq: 22 Sep 2018 20:08

Tgt Ion	82	Resp	66460
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: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF109232.D

Acq: 22 Sep 2018 20:08

Instrument :

BNA_F

ClientSampleId :

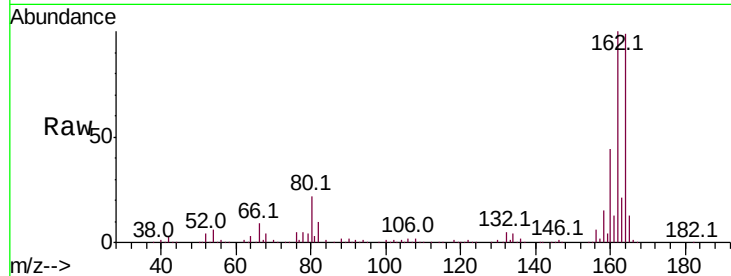
Tot Ion:164 Resp: 224623

Ion Ratio Lower Upper

164 100

162 101.1 86.1 129.1

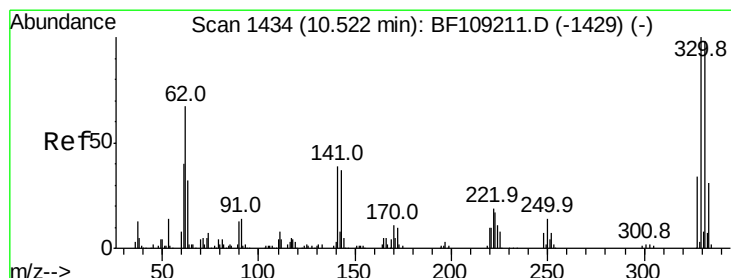
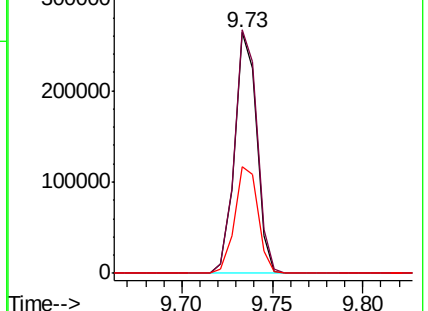
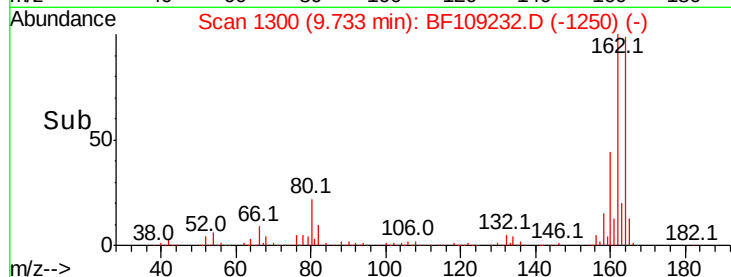
160 44.5 38.3 57.5



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: 11.833 ng

RT: 10.52 min Scan# 1433

Delta R.T. -0.02 min

Lab File: BF109232.D

Acq: 22 Sep 2018 20:08

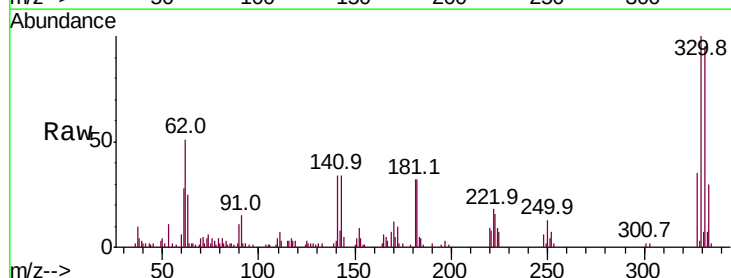
Tgt Ion:330 Resp: 26201

Ion Ratio Lower Upper

330 100

332 96.2 77.0 115.6

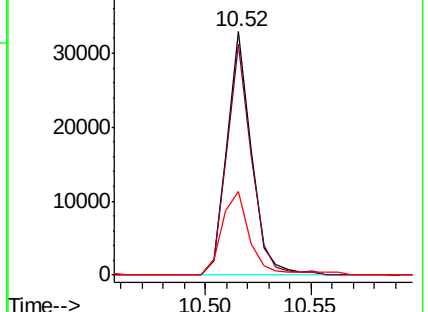
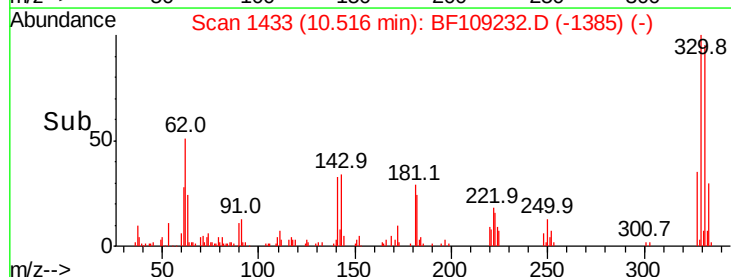
141 38.9 29.9 44.9

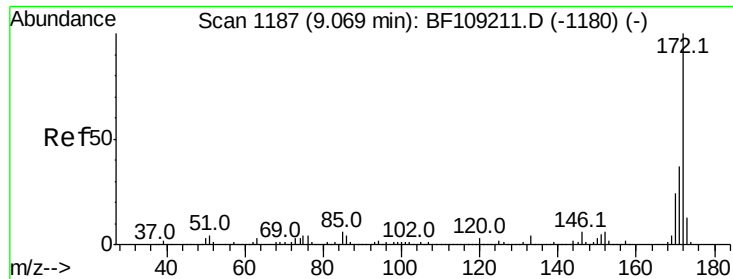


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

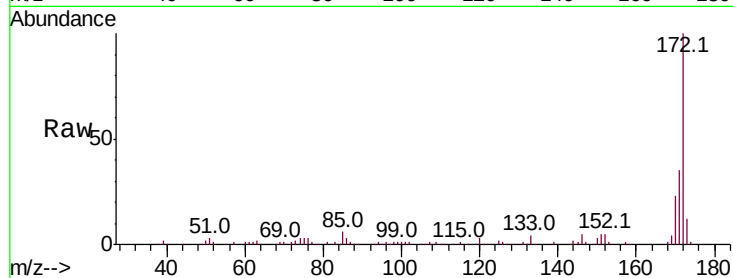




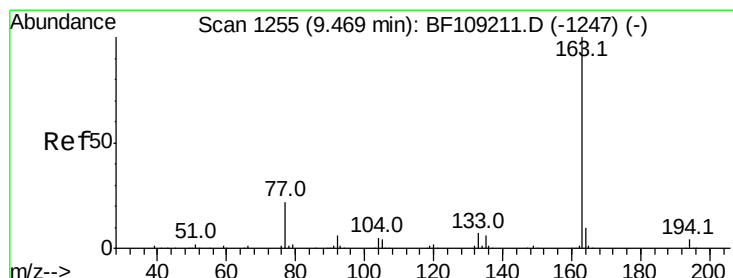
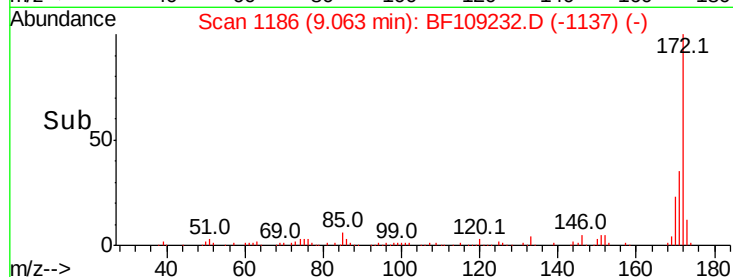
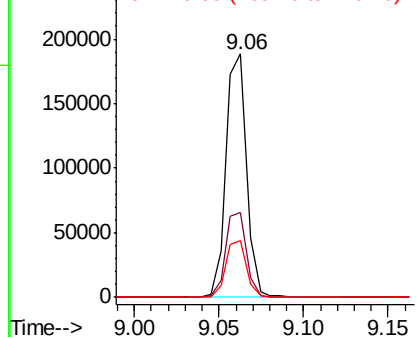
#44
2-Fluorobiphenyl
Concen: 10.784 ng
RT: 9.06 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BF109232.D
Acq: 22 Sep 2018 20:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 160618
Ion Ratio Lower Upper
172 100
171 35.1 29.7 44.5
170 23.1 19.6 29.4

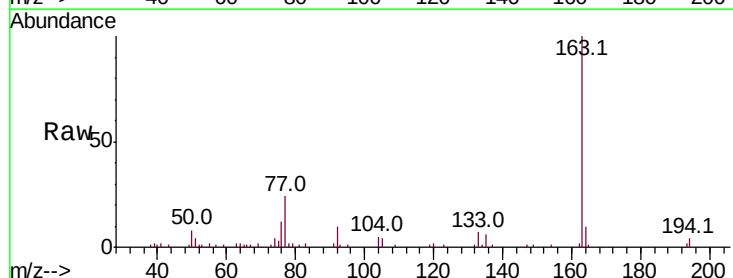


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

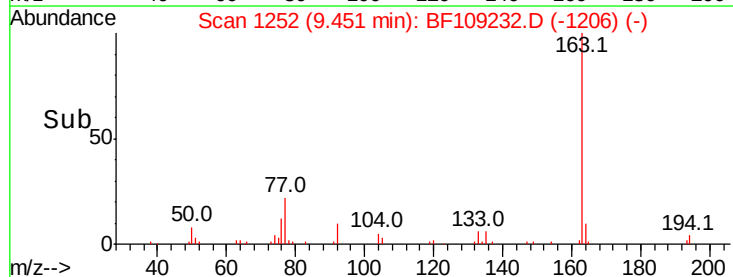
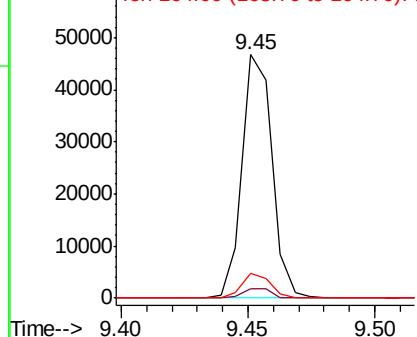


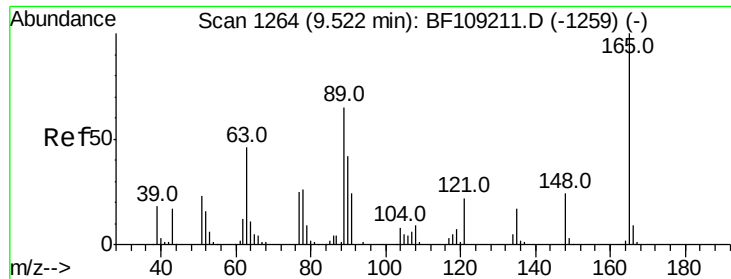
#49
Dimethylphthalate
Concen: 2.353 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.03 min
Lab File: BF109232.D
Acq: 22 Sep 2018 20:08

Tgt Ion:163 Resp: 38441
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 10.3 8.2 12.2



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

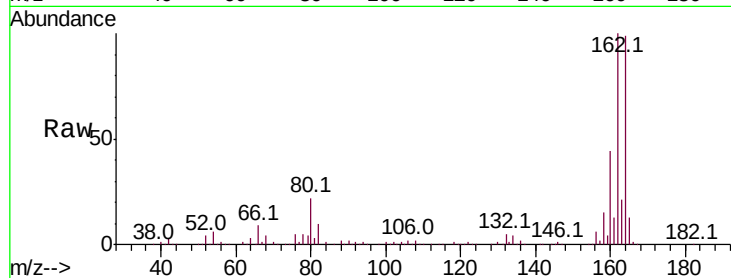




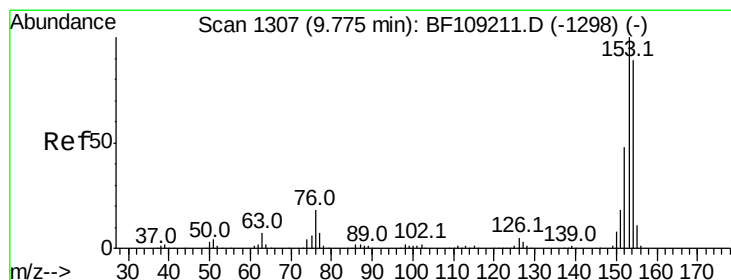
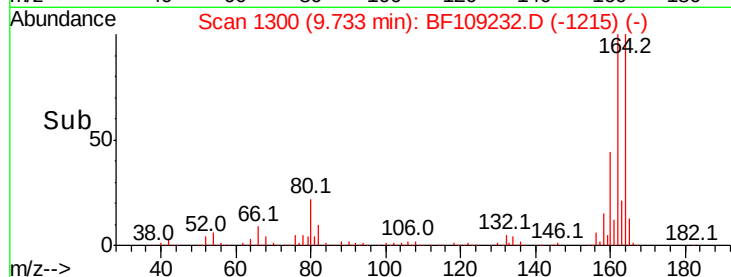
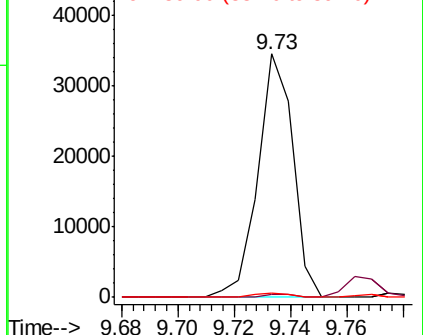
#50
2,6-Dinitrotoluene
Concen: 9.134 ng
RT: 9.73 min Scan# 1300
Delta R.T. 0.20 min
Lab File: BF109232.D
Acq: 22 Sep 2018 20:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.7	44.0	66.0#

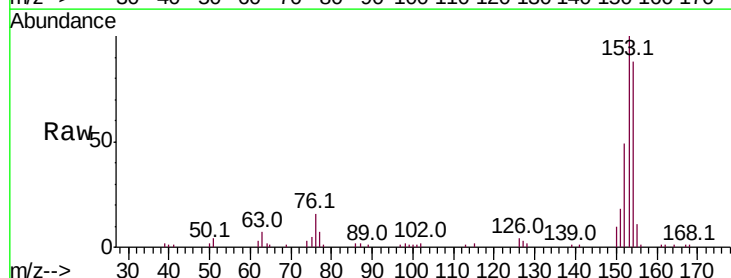


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

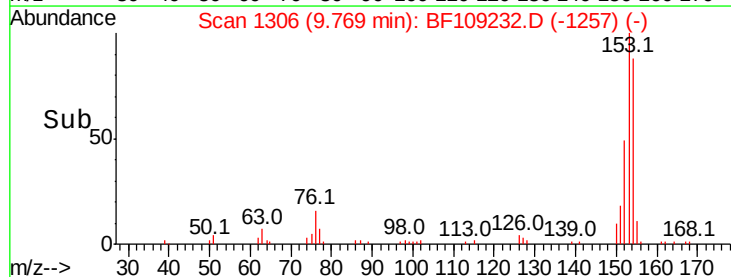
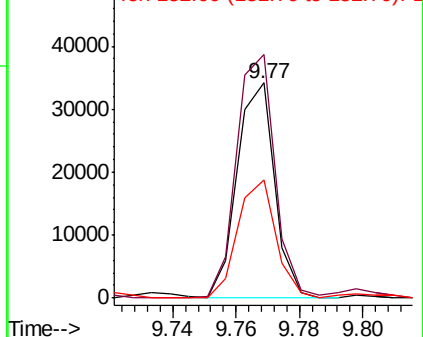


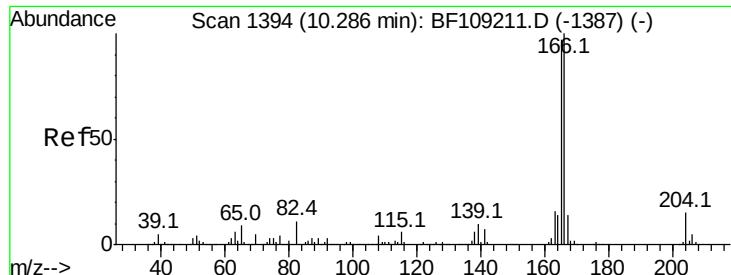
#51
Acenaphthene
Concen: 2.086 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BF109232.D
Acq: 22 Sep 2018 20:08

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.2	91.2	136.8
152	55.2	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

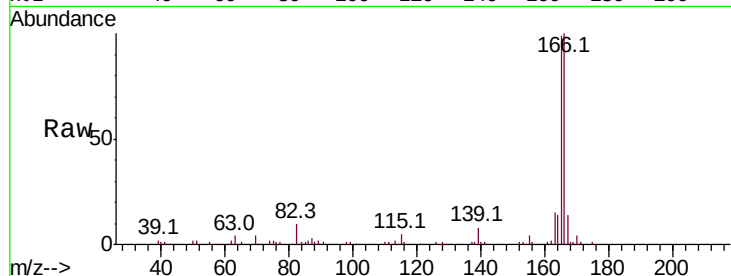




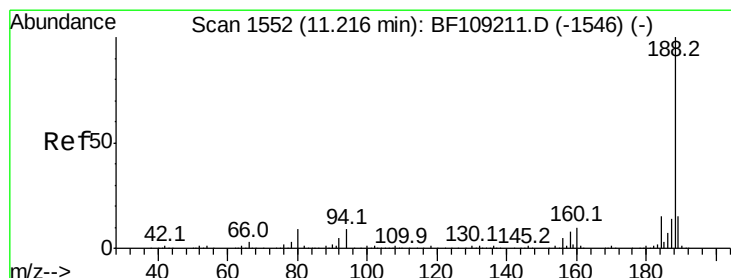
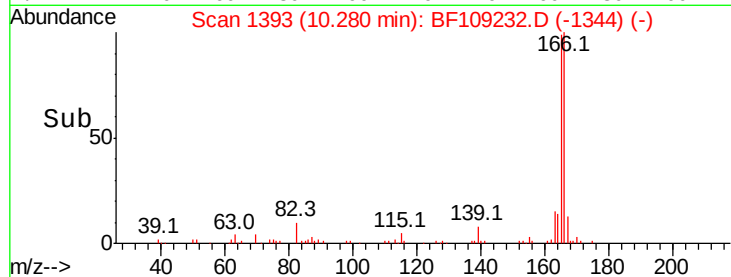
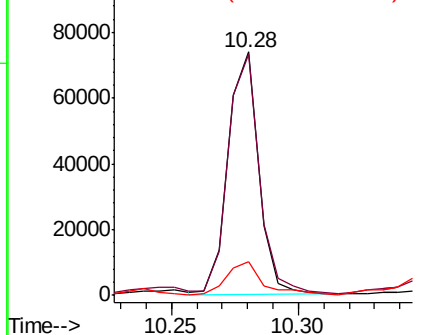
#57
Fluorene
 Concen: 4.346 ng
 RT: 10.28 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: BF109232.D
 Acq: 22 Sep 2018 20:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 61495
 Ion Ratio Lower Upper
 166 100
 165 98.8 79.8 119.8
 167 13.7 10.6 16.0

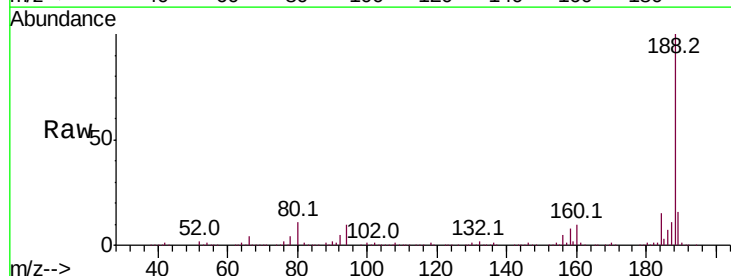


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

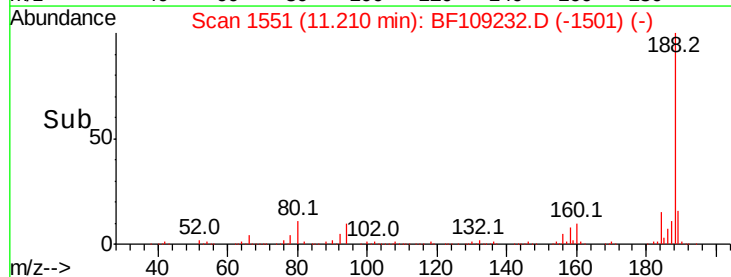
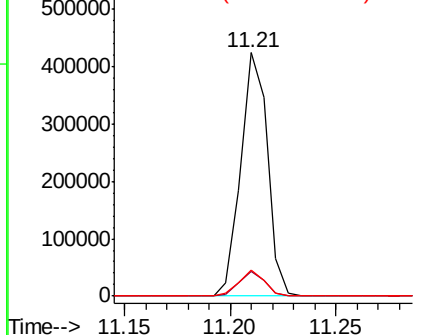


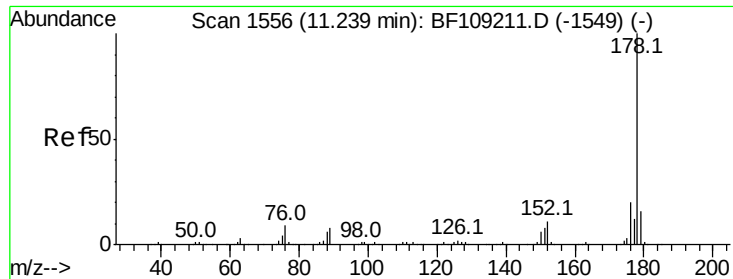
#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF109232.D
 Acq: 22 Sep 2018 20:08

Tgt Ion:188 Resp: 372155
 Ion Ratio Lower Upper
 188 100
 94 10.0 8.5 12.7
 80 10.6 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

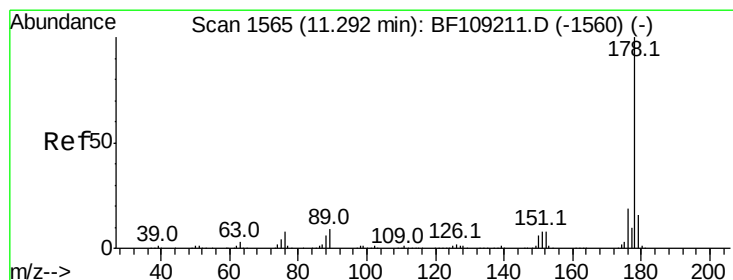
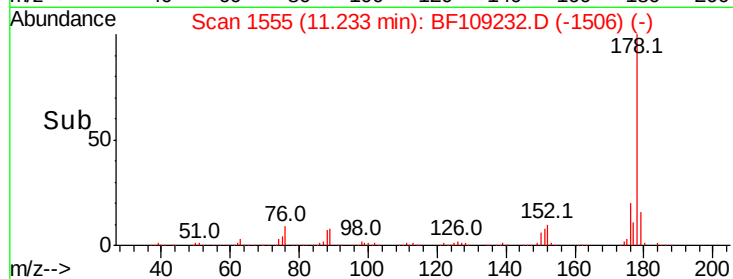
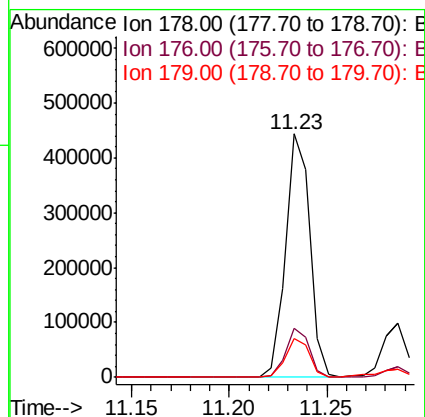
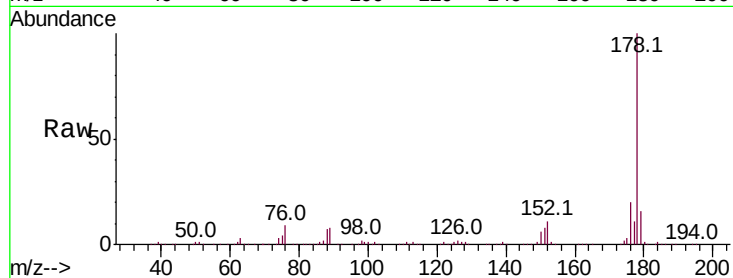




#70
Phenanthrene
Concen: 20.540 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF109232.D
Acq: 22 Sep 2018 20:08

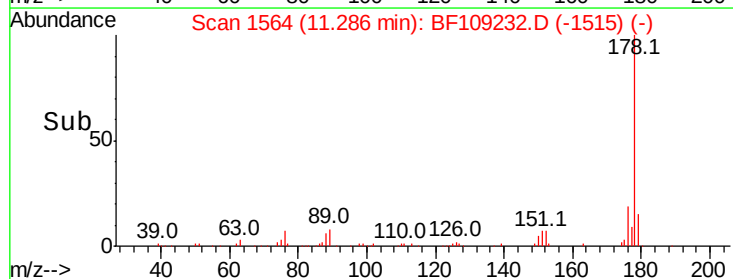
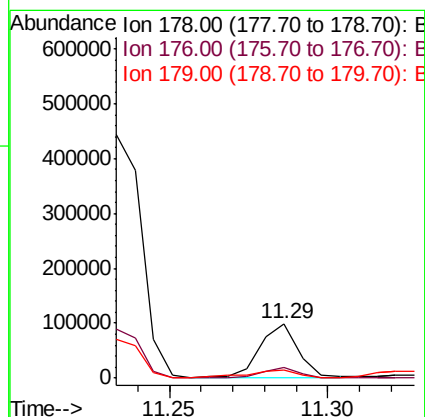
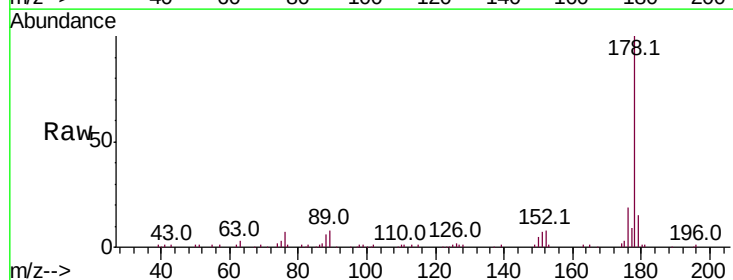
Instrument :
BNA_F
ClientSampleId :

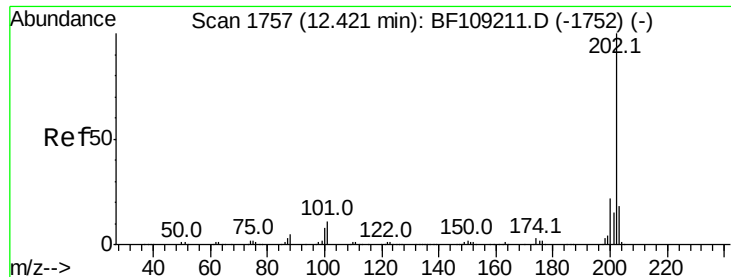
Tot Ion:178 Resp: 381670
Ion Ratio Lower Upper
178 100
176 20.3 15.8 23.8
179 16.0 13.0 19.6



#71
Anthracene
Concen: 4.289 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF109232.D
Acq: 22 Sep 2018 20:08

Tgt Ion:178 Resp: 80841
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.2
179 15.2 12.6 19.0





#74

Fluoranthene

Concen: 23.406 ng

RT: 12.42 min Scan# 1756

Delta R.T. -0.01 min

Lab File: BF109232.D

Acq: 22 Sep 2018 20:08

Instrument :

BNA_F

ClientSampleId :

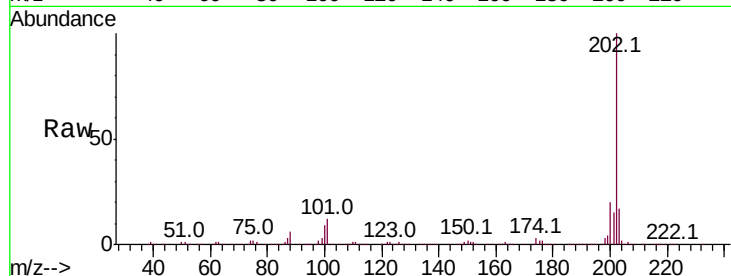
Tot Ion:202 Resp: 464784

Ion Ratio Lower Upper

202 100

101 12.0 0.0 34.1

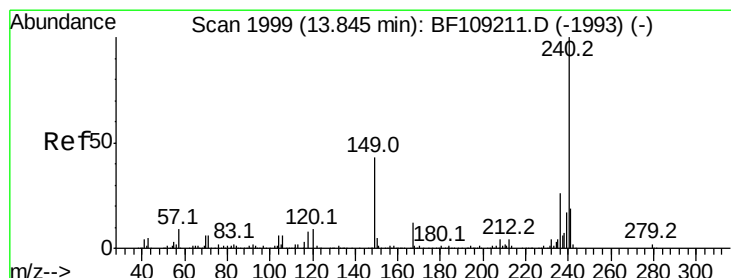
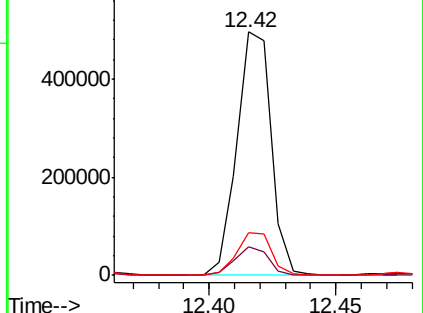
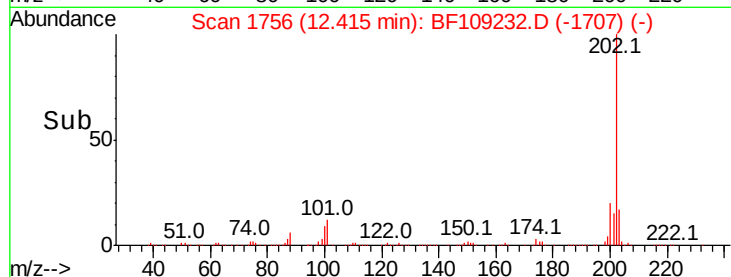
203 17.3 0.0 38.1



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: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF109232.D

Acq: 22 Sep 2018 20:08

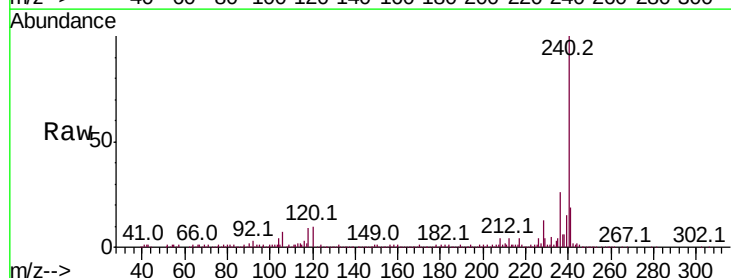
Tgt Ion:240 Resp: 245344

Ion Ratio Lower Upper

240 100

120 10.2 9.5 14.3

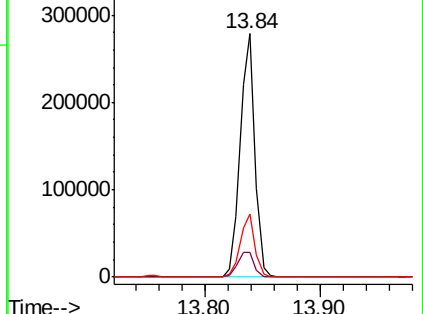
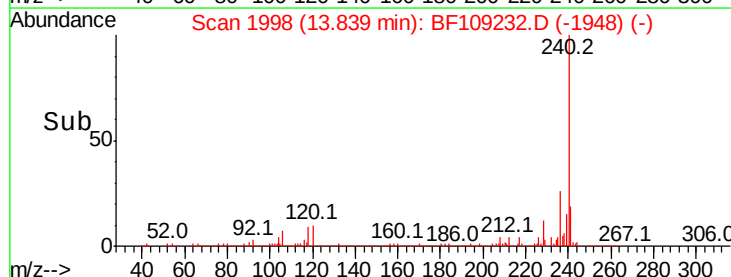
236 25.9 20.7 31.1

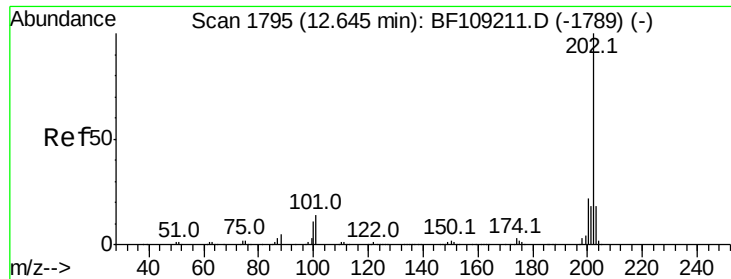


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 28.637 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF109232.D

Acq: 22 Sep 2018 20:08

Instrument :

BNA_F

ClientSampleId :

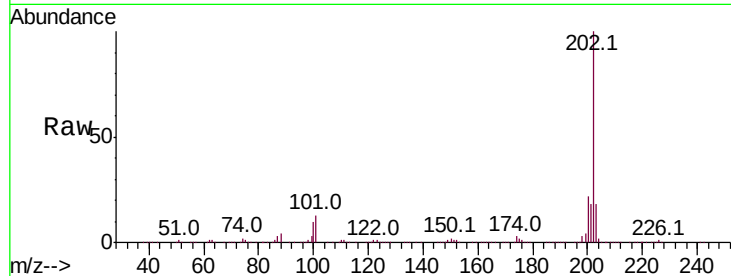
Tot Ion:202 Resp: 503533

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

203 17.9 14.3 21.5

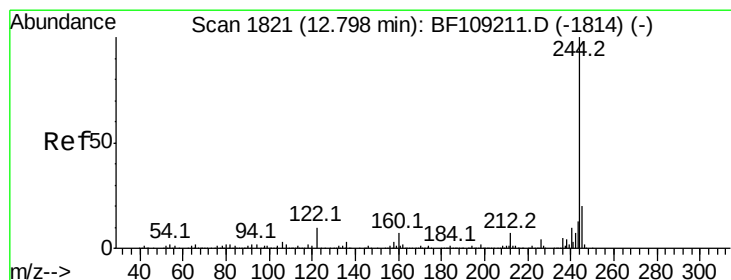
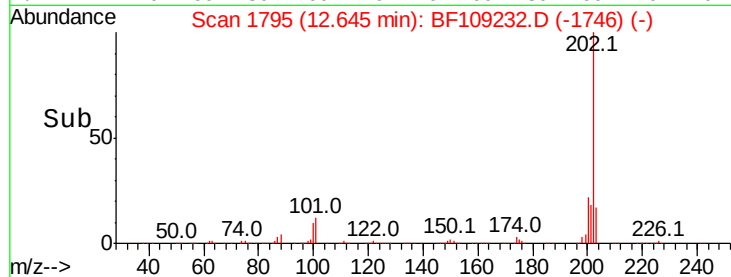
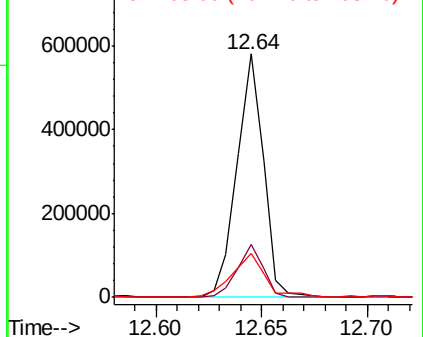


Abundance

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: 11.122 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF109232.D

Acq: 22 Sep 2018 20:08

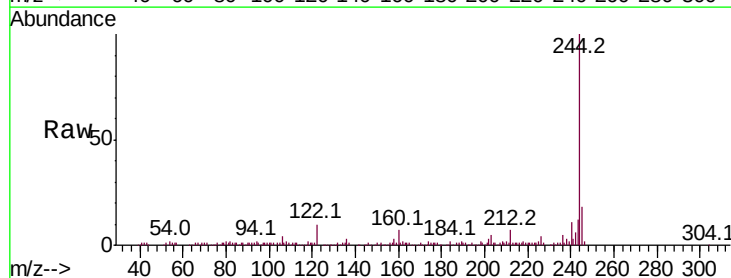
Tgt Ion:244 Resp: 111189

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

122 9.7 11.0 16.4#

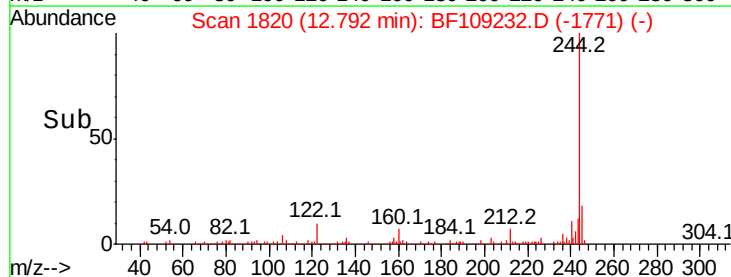
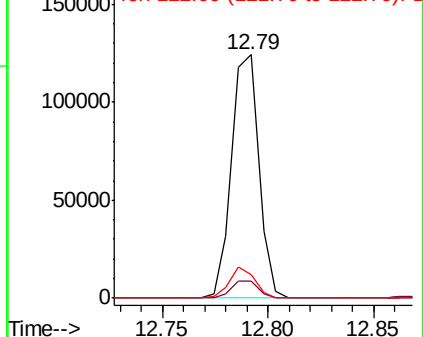


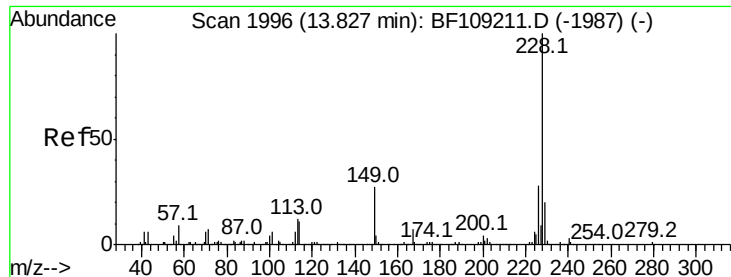
Abundance

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

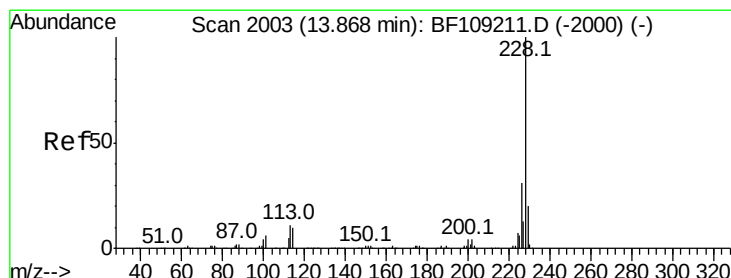
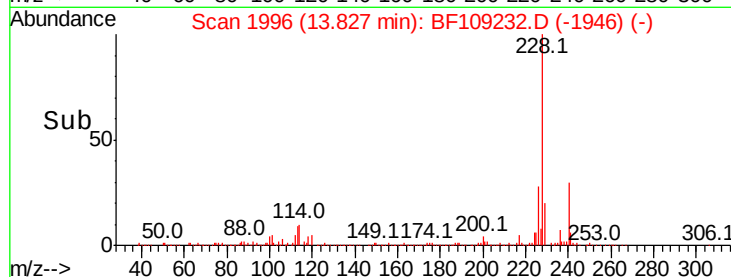
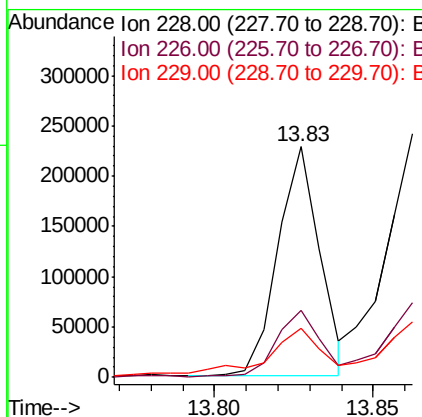
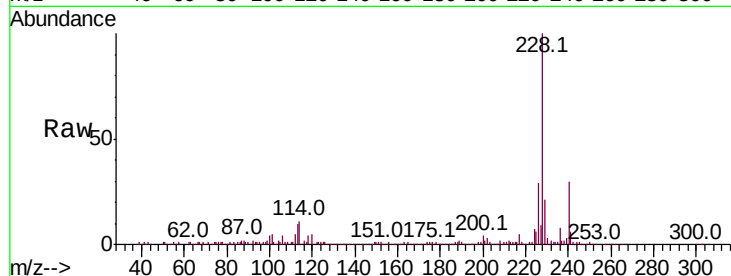




#80
Benzo(a)anthracene
Concen: 14.270 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BF109232.D
Acq: 22 Sep 2018 20:08

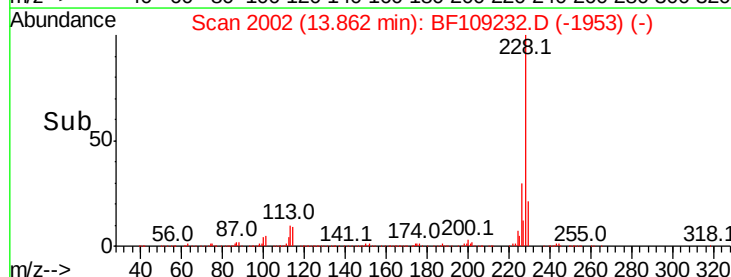
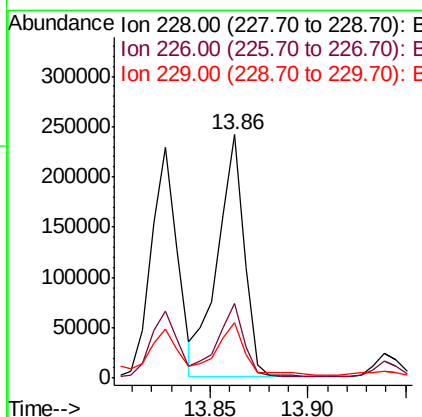
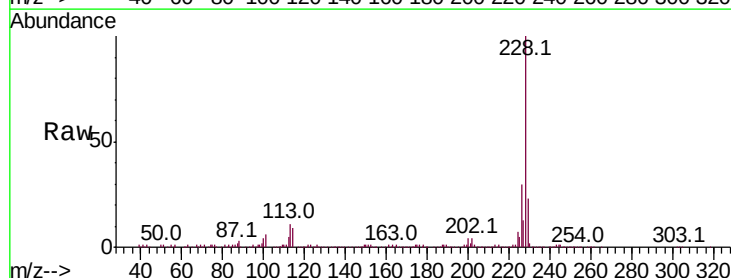
Instrument :
BNA_F
ClientSampleId :

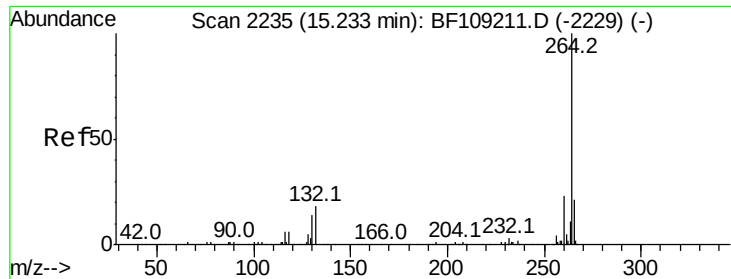
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	33.8
229	21.3	15.8	23.6



#82
Chrysene
Concen: 15.689 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF109232.D
Acq: 22 Sep 2018 20:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.6
229	22.6	16.2	24.4

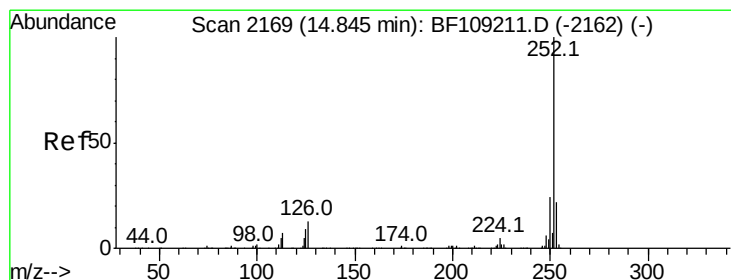
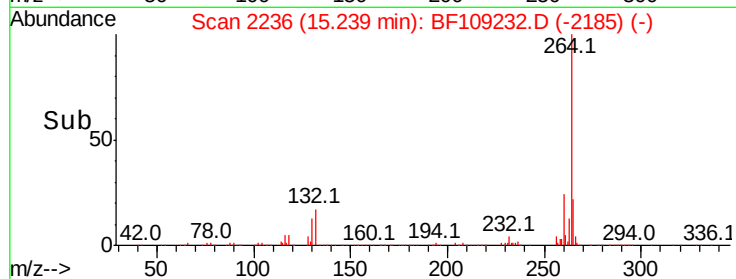
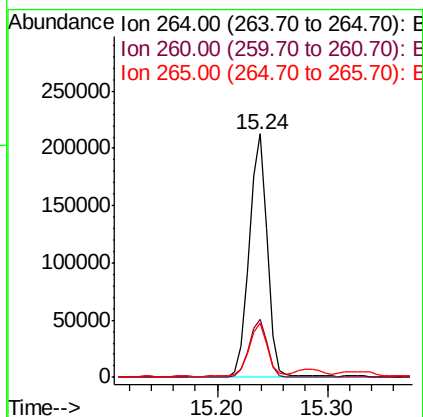
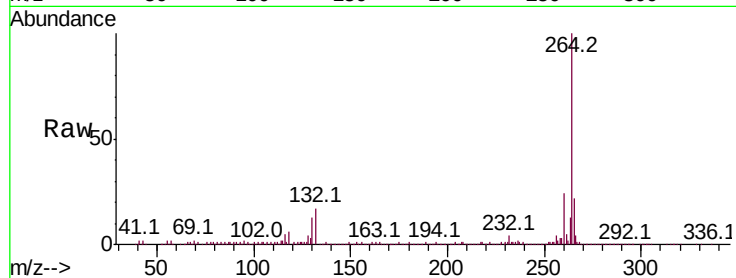




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.00 min
Lab File: BF109232.D
Acq: 22 Sep 2018 20:08

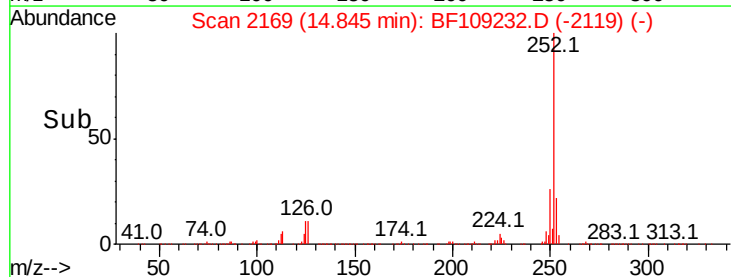
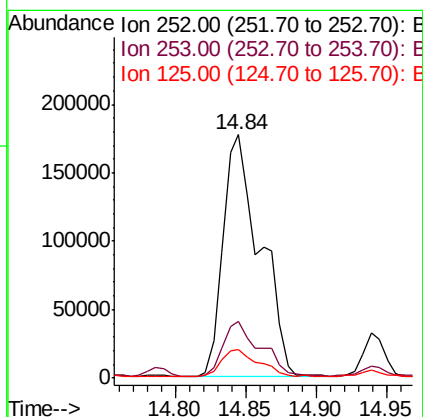
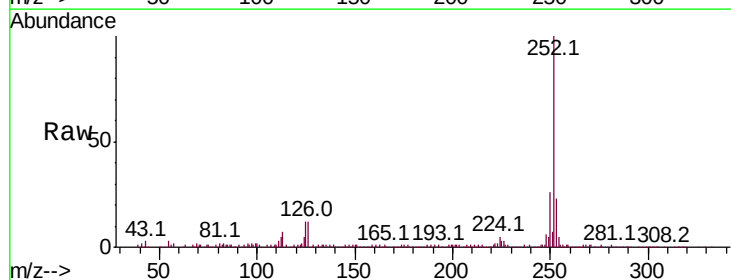
Instrument :
BNA_F
ClientSampleId :

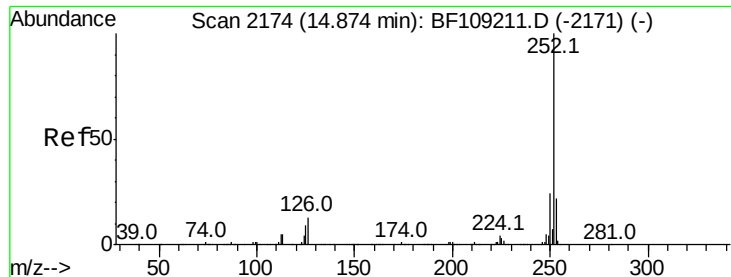
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.4	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 23.893 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF109232.D
Acq: 22 Sep 2018 20:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	11.6	9.0	13.6

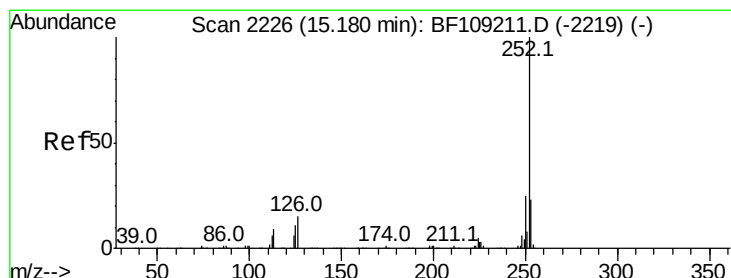
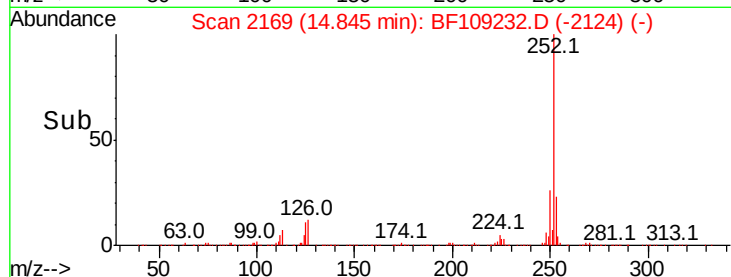
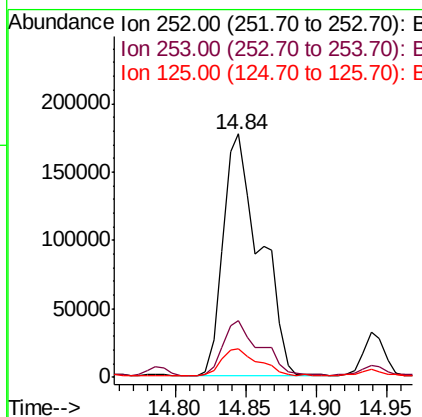
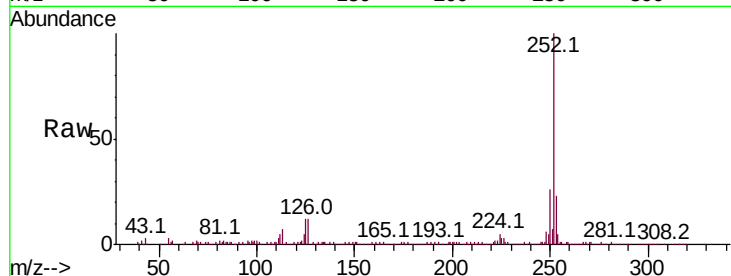




#88
Benzo(k)fluoranthene
Concen: 25.179 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.04 min
Lab File: BF109232.D
Acq: 22 Sep 2018 20:08

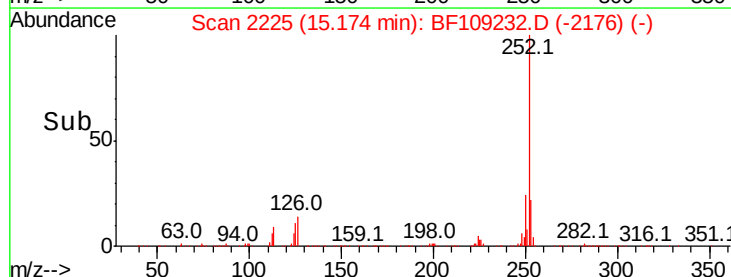
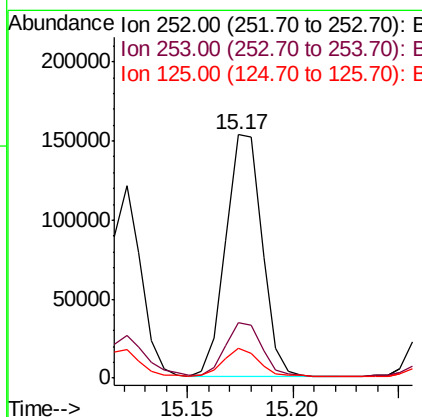
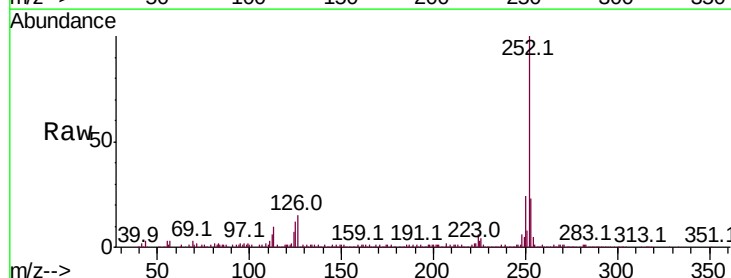
Instrument :
BNA_F
ClientSampleId :

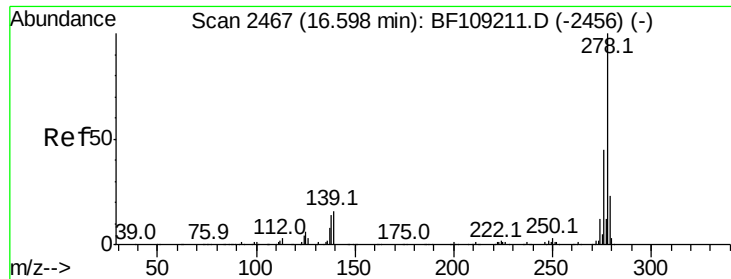
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	11.6	10.2	15.2



#89
Benzo(a)pyrene
Concen: 14.815 ng
RT: 15.17 min Scan# 2225
Delta R.T. -0.01 min
Lab File: BF109232.D
Acq: 22 Sep 2018 20:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	12.2	9.8	14.6

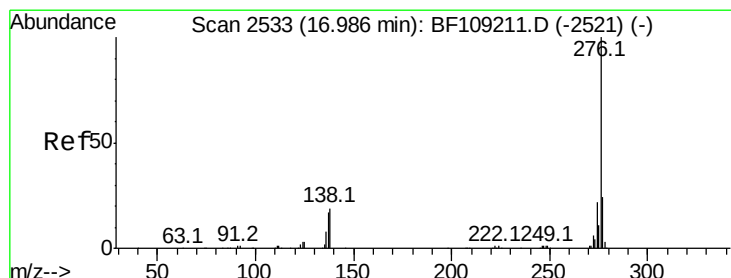
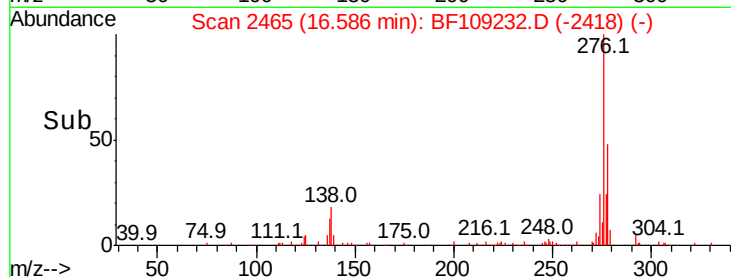
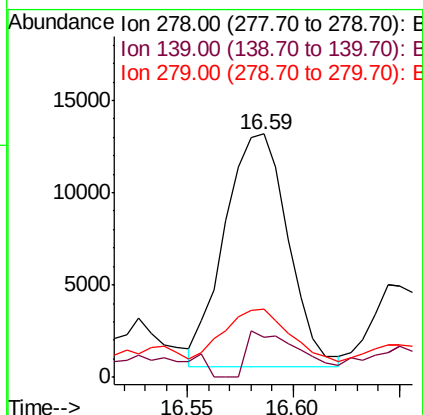
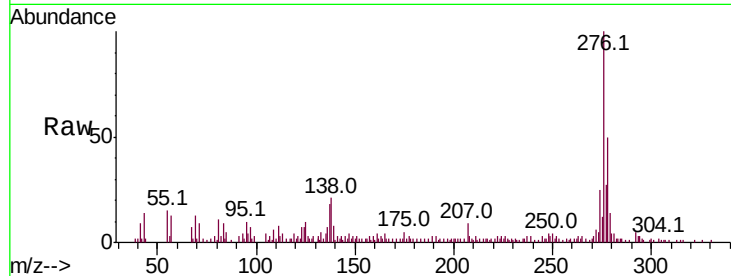




#90
Dibenzo(a,h)anthracene
Concen: 2.621 ng
RT: 16.59 min Scan# 2465
Delta R.T. -0.02 min
Lab File: BF109232.D
Acq: 22 Sep 2018 20:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:278 Resp: 26361
Ion Ratio Lower Upper
278 100
139 16.4 15.9 23.9
279 28.0 19.0 28.4



#91
Benzo(g,h,i)perylene
Concen: 8.243 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.02 min
Lab File: BF109232.D
Acq: 22 Sep 2018 20:08

Tgt Ion:276 Resp: 81472
Ion Ratio Lower Upper
276 100
277 24.1 17.9 26.9
138 20.5 21.8 32.8#

