

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
 Data File : BF109230.D
 Acq On : 22 Sep 2018 19:14
 Operator : JU/SJ
 Sample : J4777-13 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 24 06:50:16 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

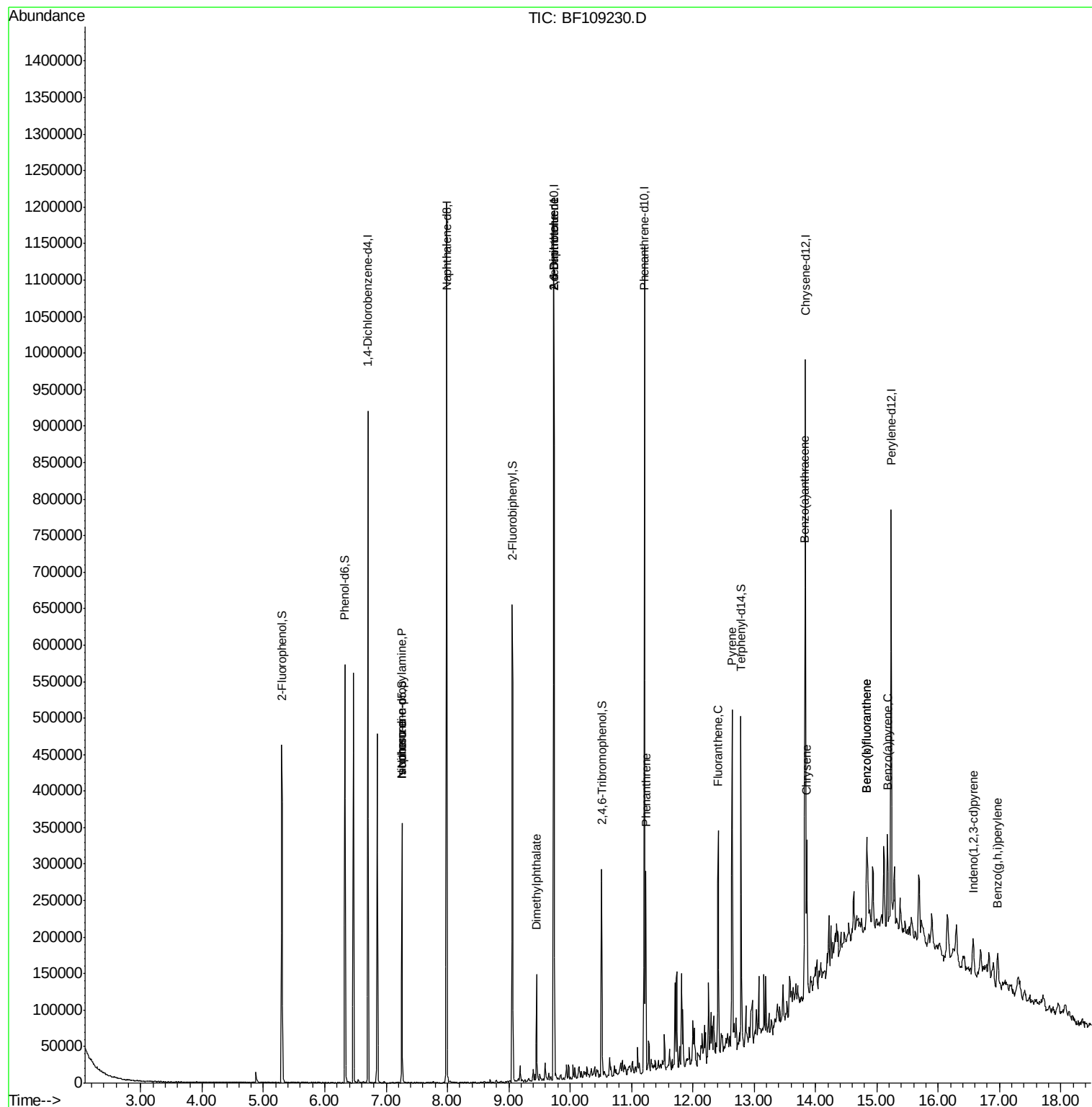
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	122917	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	466204	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	215138	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	364926	20.00	ng	0.00
75) Chrysene-d12	13.83	240	249445	20.00	ng	-0.01
86) Perylene-d12	15.23	264	251293	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	127810	17.13	ng	-0.02
7) Phenol-d6	6.33	99	166040	17.44	ng	-0.03
23) Nitrobenzene-d5	7.26	82	98990	12.53	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	32611	15.38	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	191776	13.44	ng	-0.02
78) Terphenyl-d14	12.79	244	134181	13.20	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.26	70	13104	2.100	ng	# 78
25) Isophorone	7.26	82	79948	5.622	ng	# 64
49) Dimethylphthalate	9.45	163	47950	3.064	ng	# 99
50) 2,6-Dinitrotoluene	9.73	165	26964	8.701	ng	# 25
56) 2,4-Dinitrotoluene	9.73	165	26964	6.876	ng	# 23
70) Phenanthrene	11.23	178	91857	5.041	ng	# 97
74) Fluoranthene	12.42	202	109179	5.607	ng	# 96
77) Pyrene	12.64	202	173347	9.696	ng	# 99
80) Benzo(a)anthracene	13.82	228	56165	3.738	ng	# 95
82) Chrysene	13.86	228	74644	5.012	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.57	276	27545	2.282	ng	# 91
87) Benzo(b)fluoranthene	14.84	252	85369	6.182	ng	# 89
88) Benzo(k)fluoranthene	14.84	252	85369	6.515	ng	# 92
89) Benzo(a)pyrene	15.17	252	57561	4.626	ng	# 97
91) Benzo(a,h,i)perylene	16.97	276	32656	3.255	ng	# 90

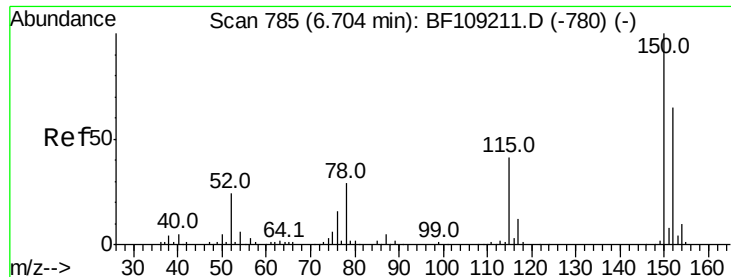
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
Data File : BF109230.D
Acq On : 22 Sep 2018 19:14
Operator : JU/SJ
Sample : J4777-13 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Sep 24 06:50:16 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



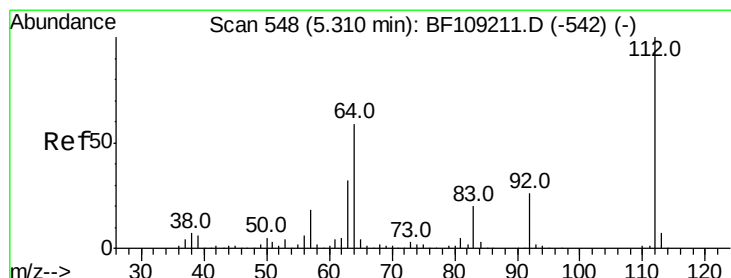
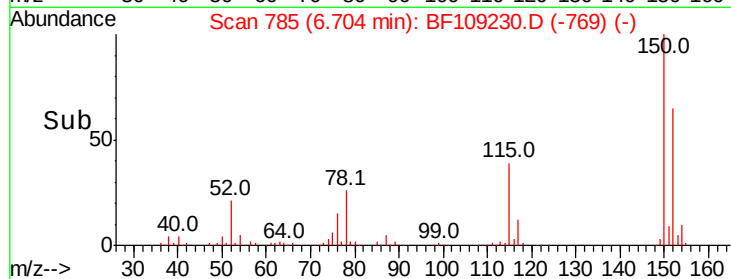
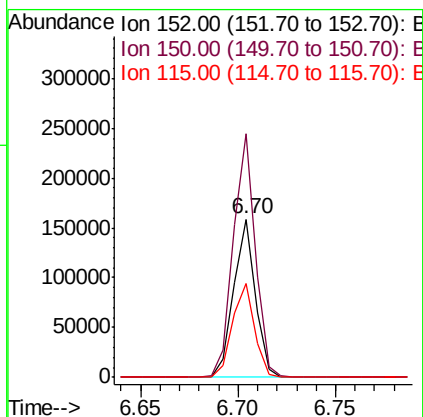
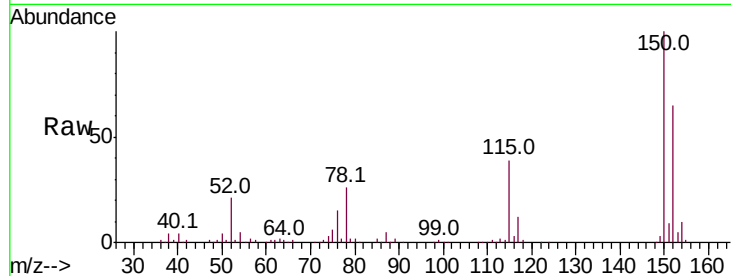


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109230.D
Acq: 22 Sep 2018 19:14

Instrument :
BNA_F
ClientSampled :

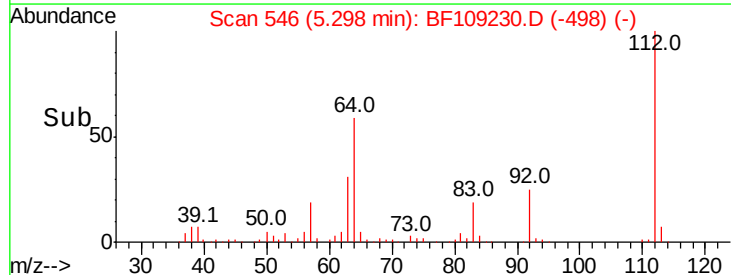
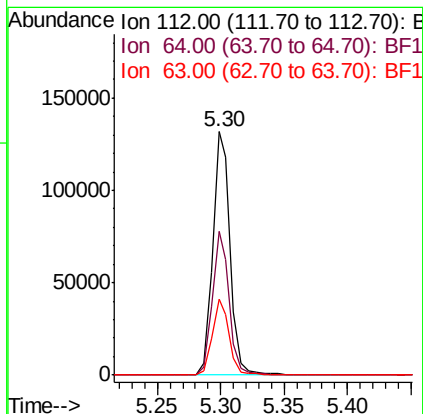
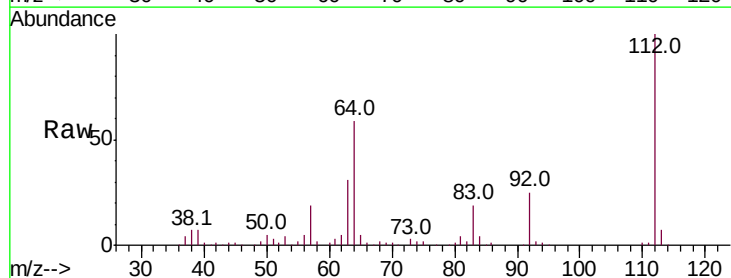
Tot Ion:152 Resp: 122917
Ion Ratio Lower Upper
152 100
150 154.0 124.6 186.8
115 59.4 50.1 75.1

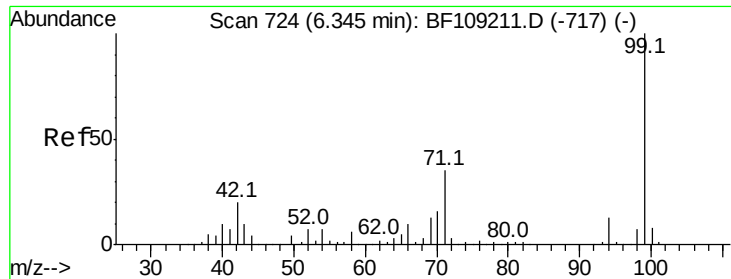


#5

2-Fluorophenol
Concen: 17.126 ng
RT: 5.30 min Scan# 546
Delta R.T. -0.02 min
Lab File: BF109230.D
Acq: 22 Sep 2018 19:14

Tgt Ion:112 Resp: 127810
Ion Ratio Lower Upper
112 100
64 59.0 47.9 71.9
63 31.4 23.7 35.5





#7

Phenol-d6

Concen: 17.436 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.03 min

Lab File: BF109230.D

Acq: 22 Sep 2018 19:14

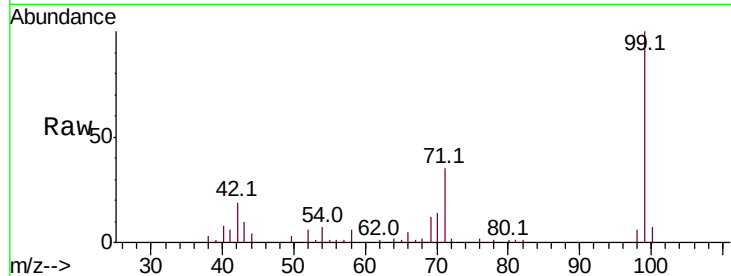
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 166040

Ion	Ratio	Lower	Upper
99	100		
42	18.8	14.5	21.7
71	34.8	25.4	38.0

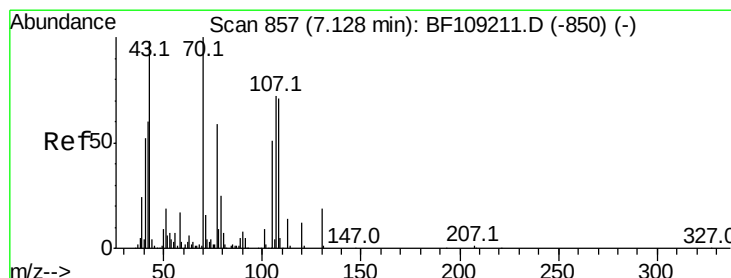
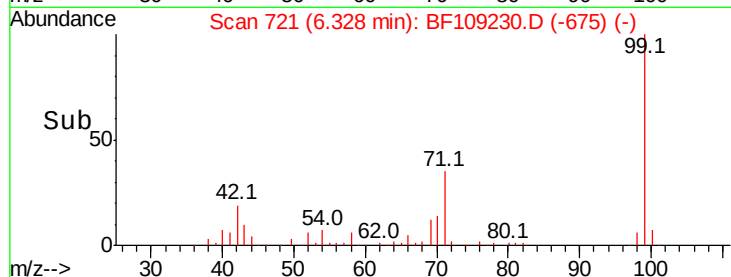
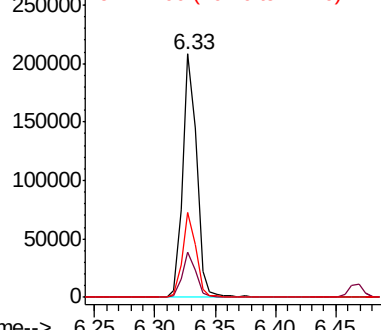


Abundance

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: 2.100 ng

RT: 7.26 min Scan# 879

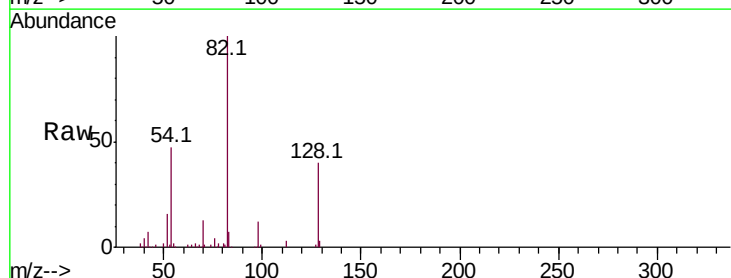
Delta R.T. 0.11 min

Lab File: BF109230.D

Acq: 22 Sep 2018 19:14

Tgt Ion: 70 Resp: 13104

Ion	Ratio	Lower	Upper
70	100		
42	49.1	47.5	71.3
101	0.0	7.4	11.2#
130	0.0	16.6	25.0#



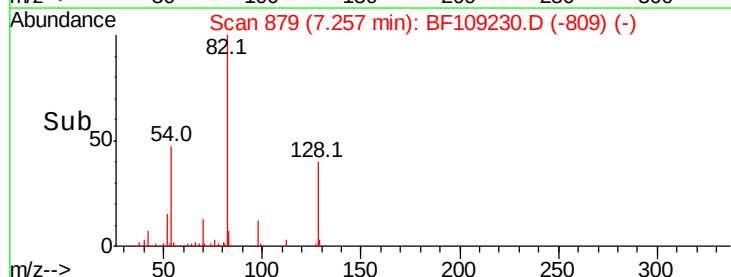
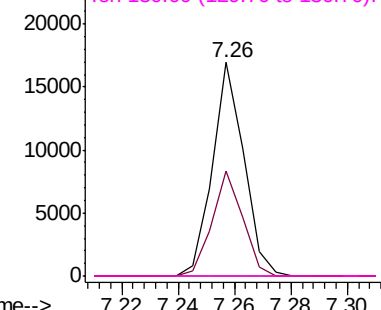
Abundance

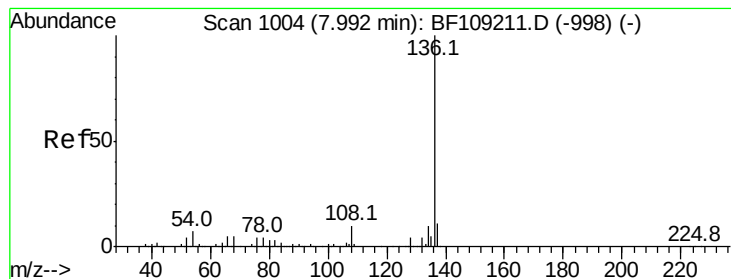
Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF109230.D

Acq: 22 Sep 2018 19:14

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 466204

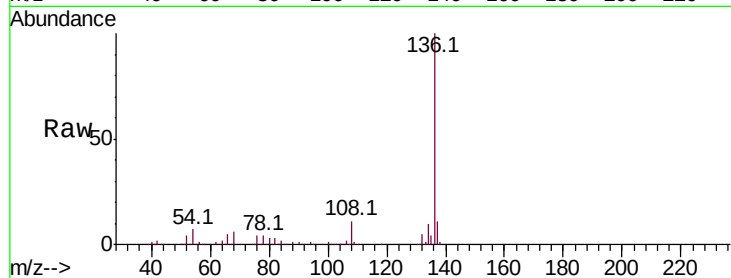
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.3 6.6 9.8

68 6.0 5.0 7.4

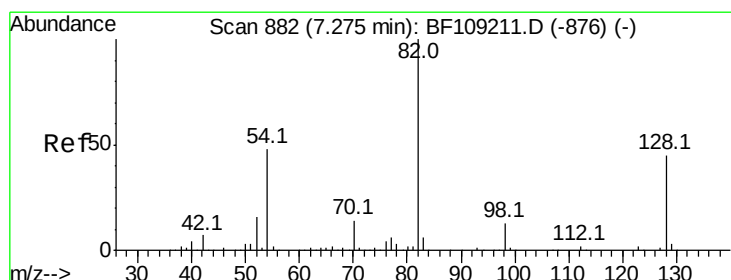
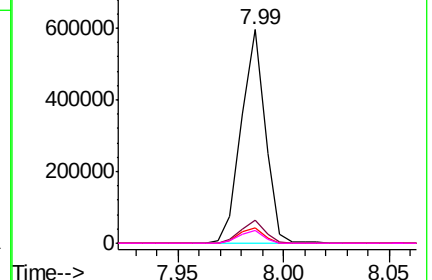
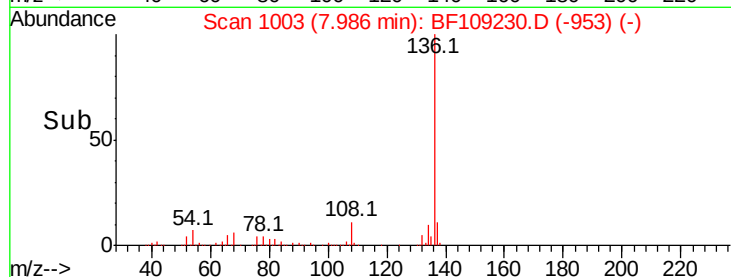


Abundance Ion 136.00 (135.70 to 136.70): E

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: 12.534 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.02 min

Lab File: BF109230.D

Acq: 22 Sep 2018 19:14

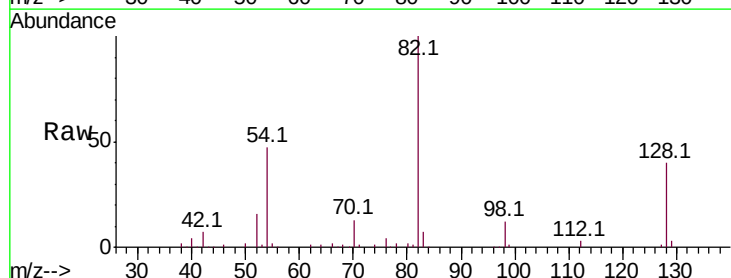
Tgt Ion: 82 Resp: 98990

Ion Ratio Lower Upper

82 100

128 39.6 36.1 54.1

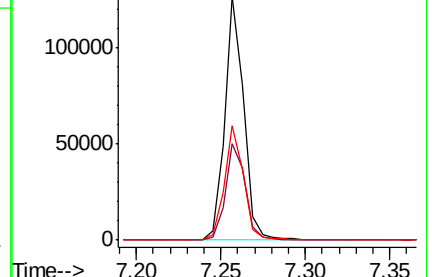
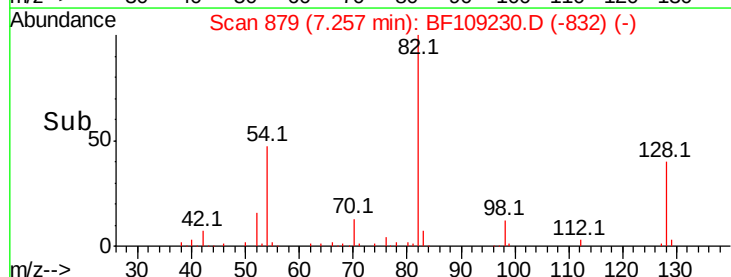
54 47.2 41.4 62.2

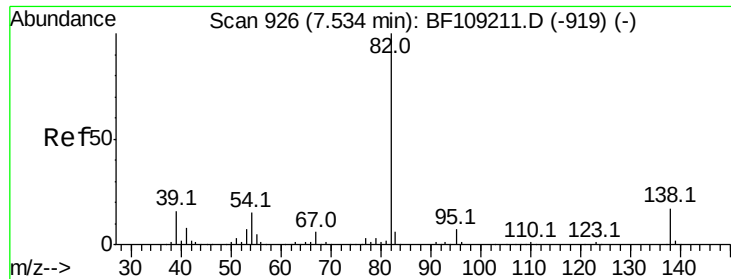


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 5.622 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.29 min

Lab File: BF109230.D

Acq: 22 Sep 2018 19:14

Instrument :

BNA_F

ClientSampleId :

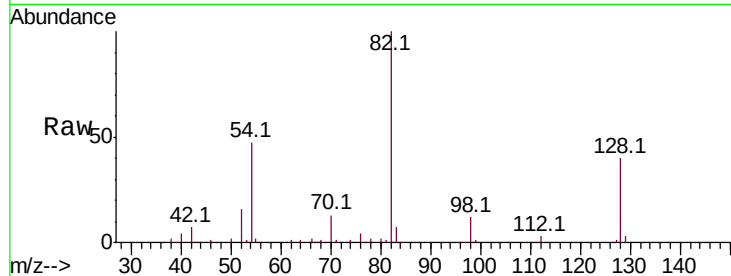
Tot Ion: 82 Resp: 79948

Ion Ratio Lower Upper

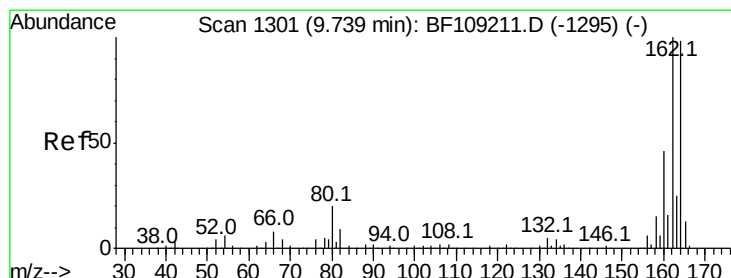
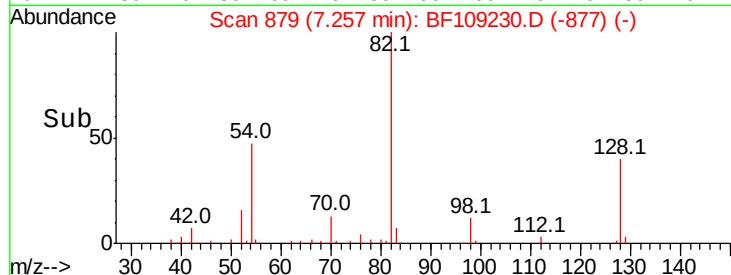
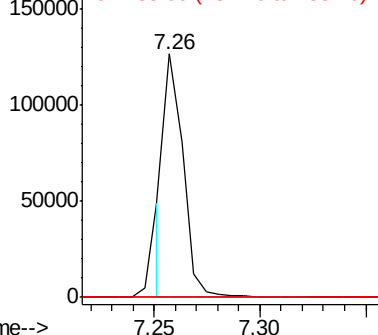
82 100

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): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF109230.D

Acq: 22 Sep 2018 19:14

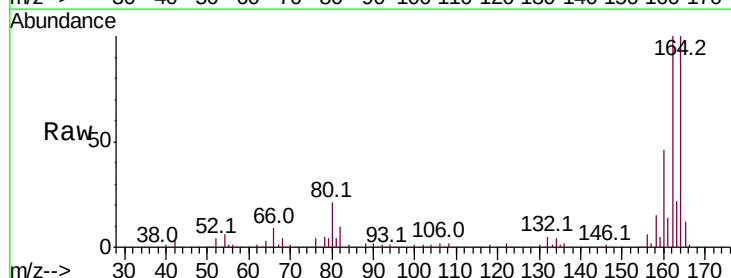
Tgt Ion:164 Resp: 215138

Ion Ratio Lower Upper

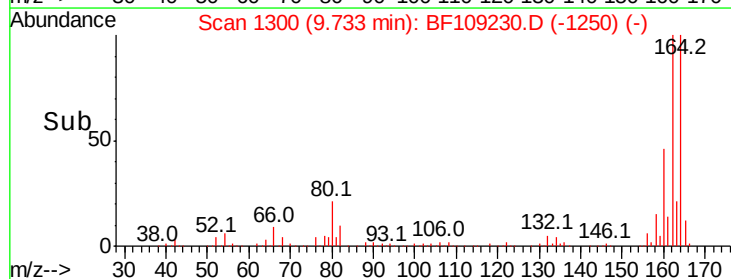
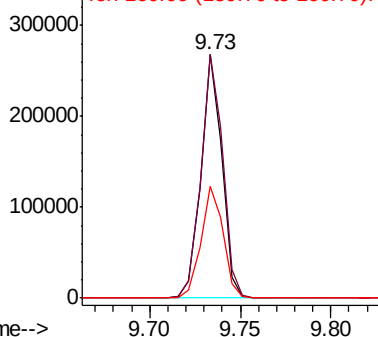
164 100

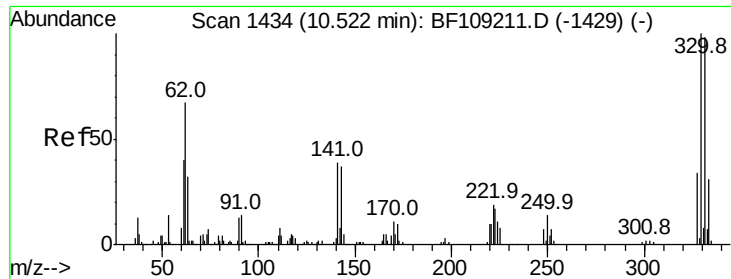
162 99.9 86.1 129.1

160 45.9 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

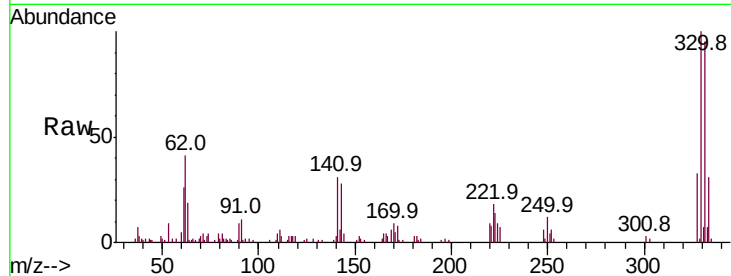




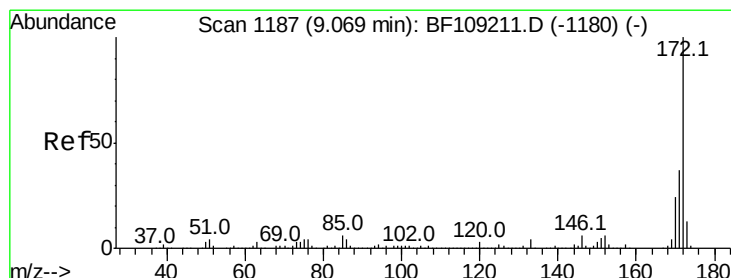
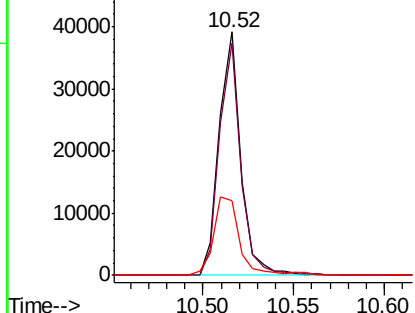
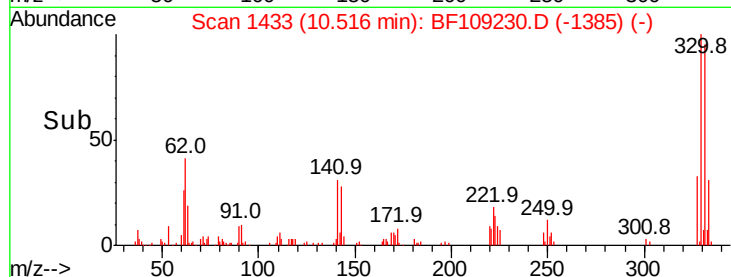
#41
 2,4,6-Tribromophenol
 Concen: 15.377 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.02 min
 Lab File: BF109230.D
 Acq: 22 Sep 2018 19:14

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.7	77.0	115.6
141	38.5	29.9	44.9

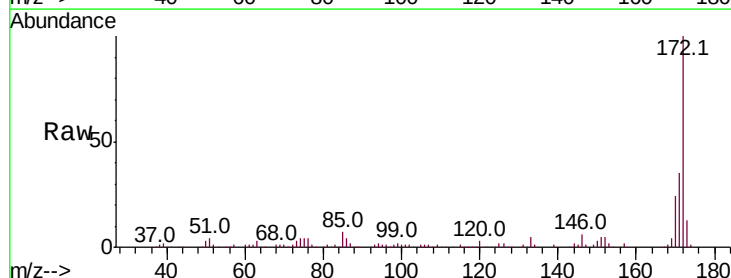


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

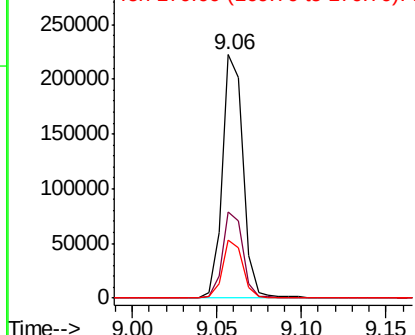
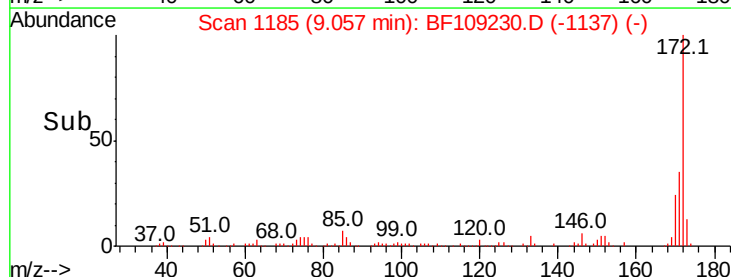


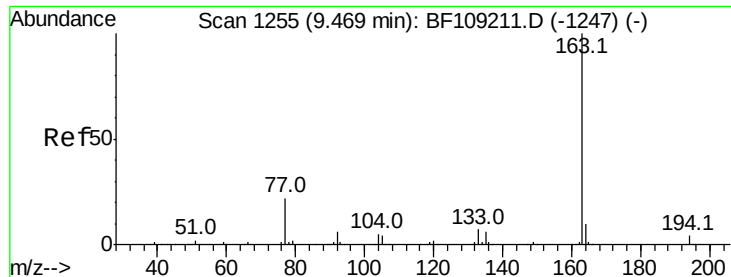
#44
 2-Fluorobiphenyl
 Concen: 13.444 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF109230.D
 Acq: 22 Sep 2018 19:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	24.0	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

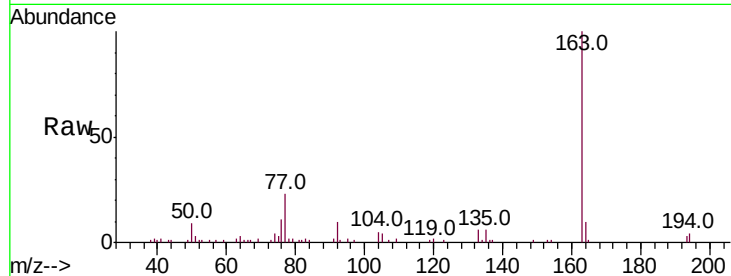




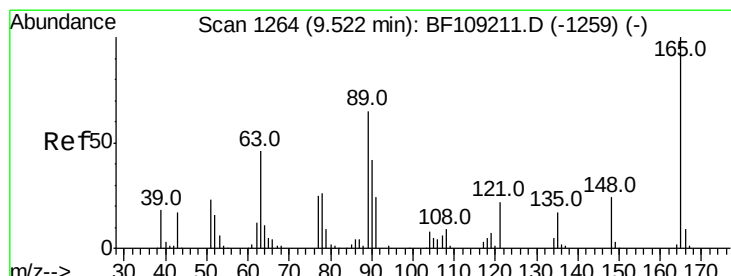
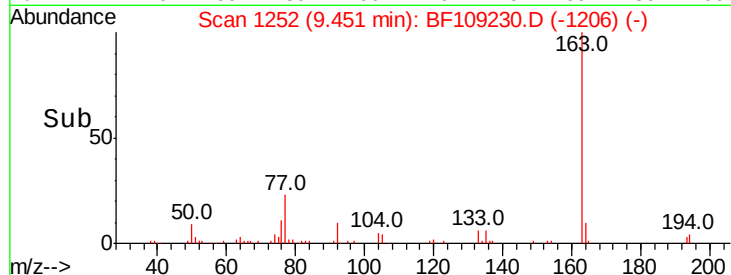
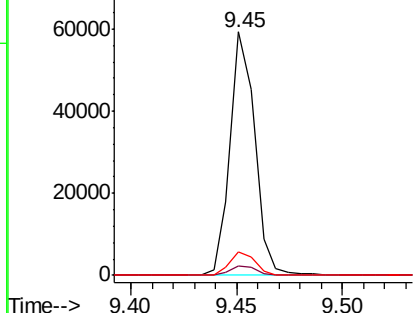
#49
 Dimethylphthalate
 Concen: 3.064 ng
 RT: 9.45 min Scan# 1252
 Delta R.T. -0.03 min
 Lab File: BF109230.D
 Acq: 22 Sep 2018 19:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:163 Resp: 47950
 Ion Ratio Lower Upper
 163 100
 194 3.8 2.7 4.1
 164 9.8 8.2 12.2

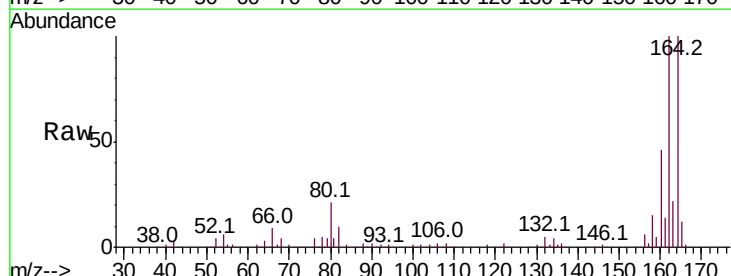


Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

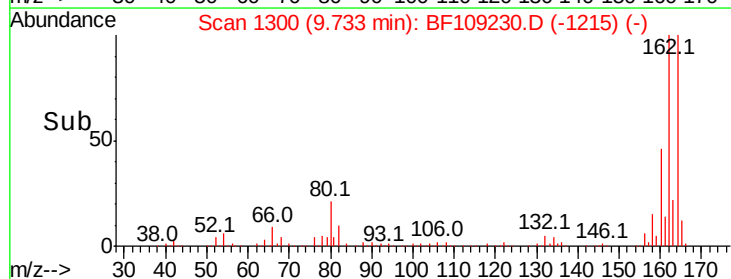
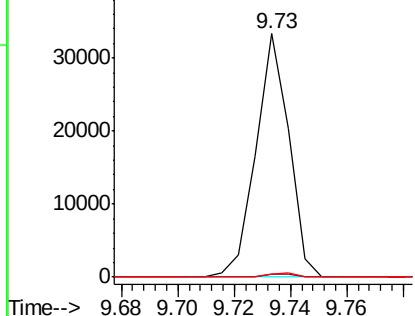


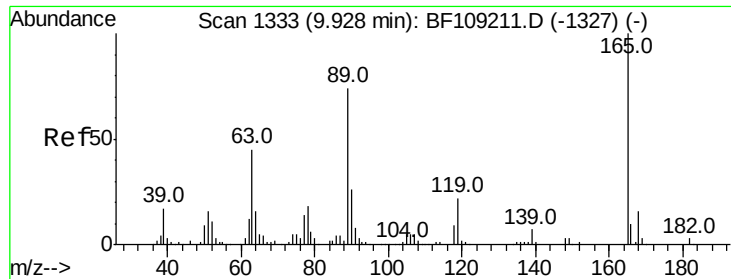
#50
 2,6-Dinitrotoluene
 Concen: 8.701 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. 0.20 min
 Lab File: BF109230.D
 Acq: 22 Sep 2018 19:14

Tgt Ion:165 Resp: 26964
 Ion Ratio Lower Upper
 165 100
 63 1.3 44.7 67.1#
 89 1.4 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

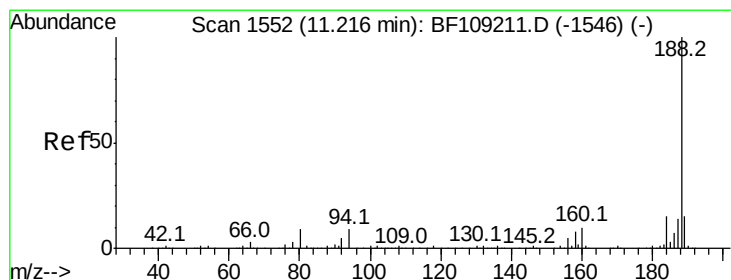
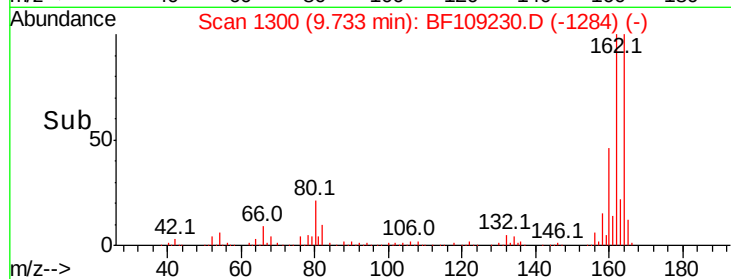
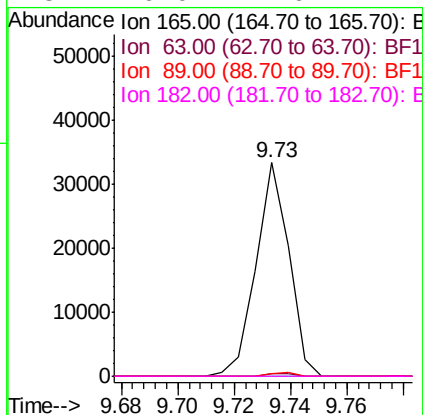
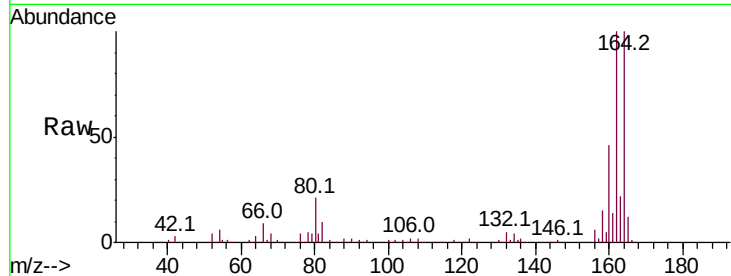




#56
 2,4-Dinitrotoluene
 Concen: 6.876 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.21 min
 Lab File: BF109230.D
 Acq: 22 Sep 2018 19:14

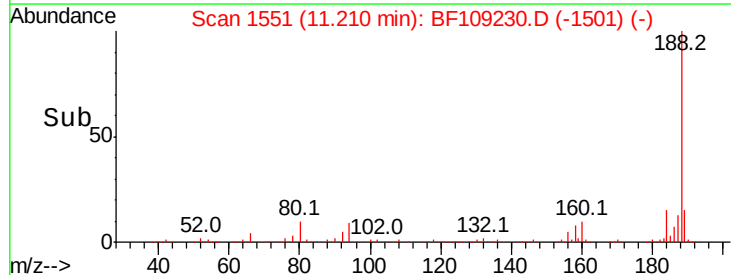
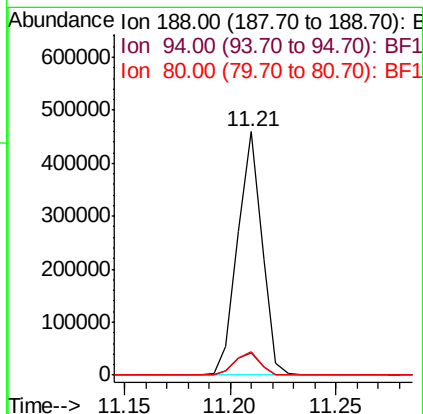
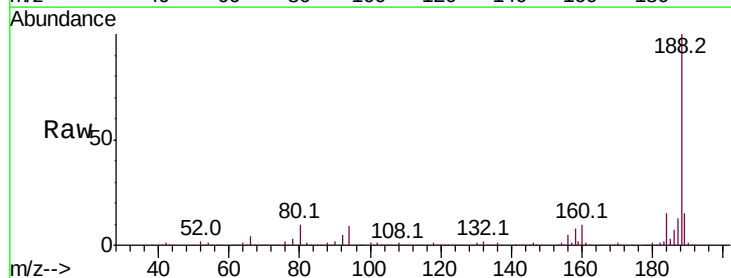
Instrument :
 BNA_F
 ClientSampled :

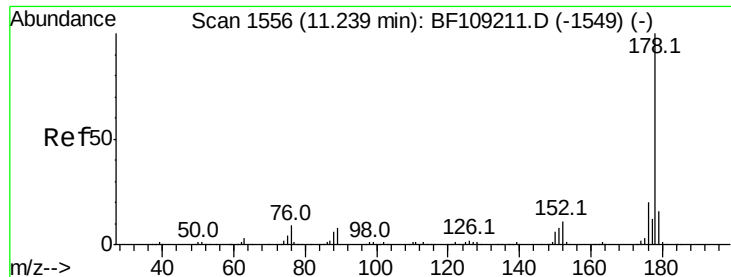
Tot Ion:	165	Resp:	26964
Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF109230.D
 Acq: 22 Sep 2018 19:14

Tgt Ion:	188	Resp:	364926
Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.5	12.7
80	9.9	9.2	13.8





#70

Phenanthrene

Concen: 5.041 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF109230.D

Acq: 22 Sep 2018 19:14

Instrument :

BNA_F

ClientSampleId :

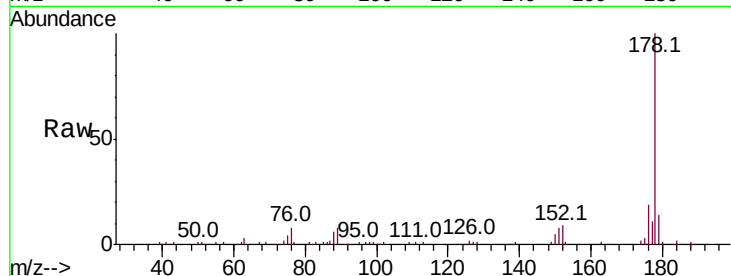
Tot Ion:178 Resp: 91857

Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.8

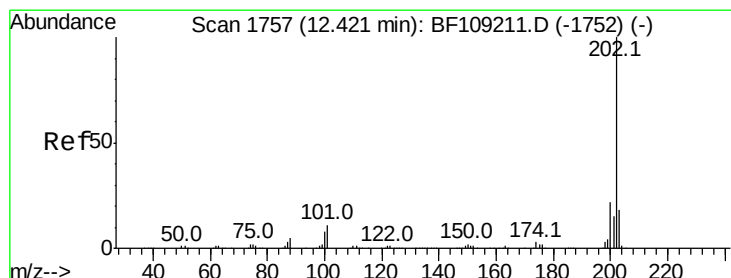
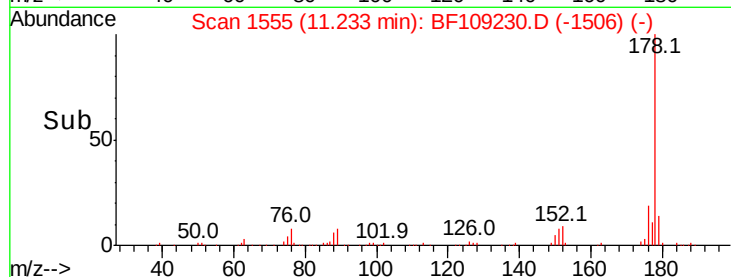
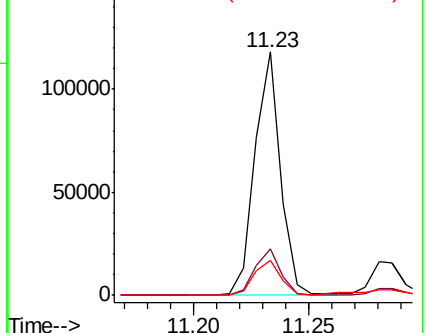
179 14.5 13.0 19.6



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: 5.607 ng

RT: 12.42 min Scan# 1756

Delta R.T. -0.01 min

Lab File: BF109230.D

Acq: 22 Sep 2018 19:14

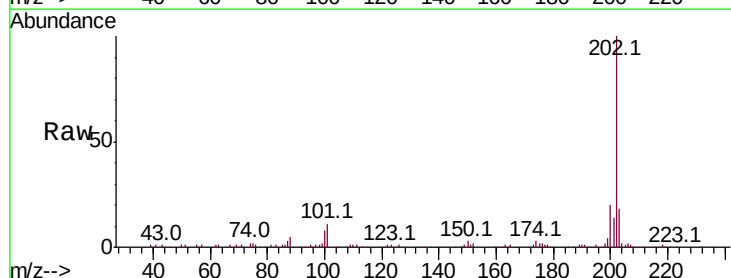
Tgt Ion:202 Resp: 109179

Ion Ratio Lower Upper

202 100

101 10.7 0.0 34.1

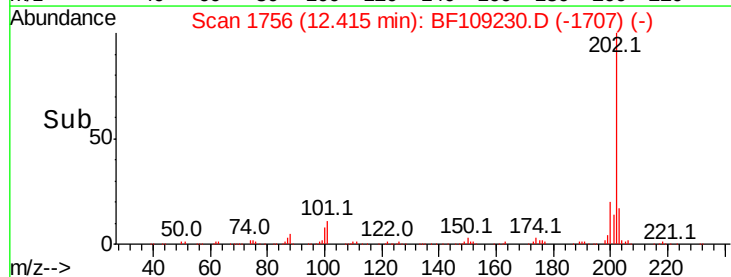
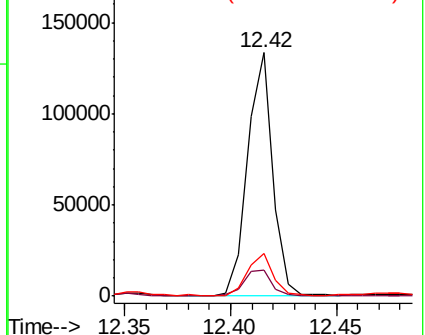
203 17.6 0.0 38.1

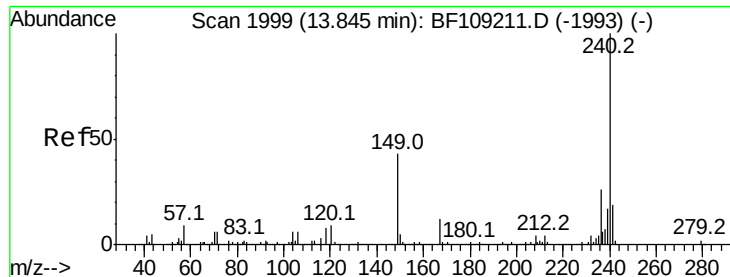


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

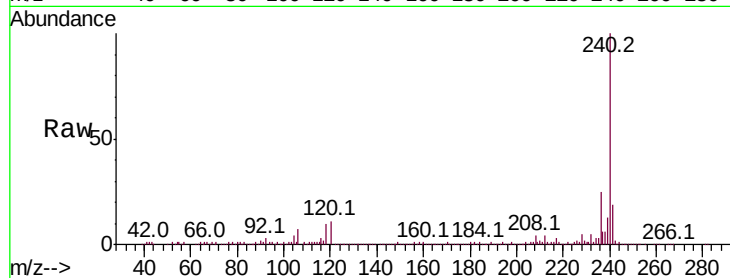




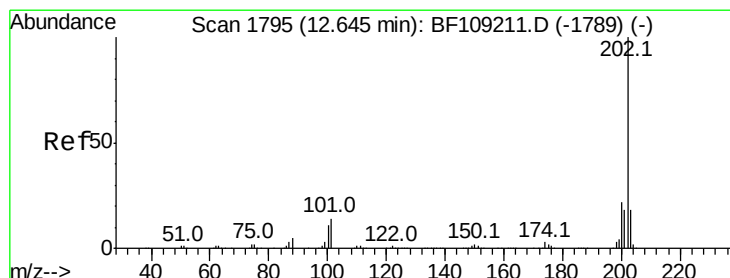
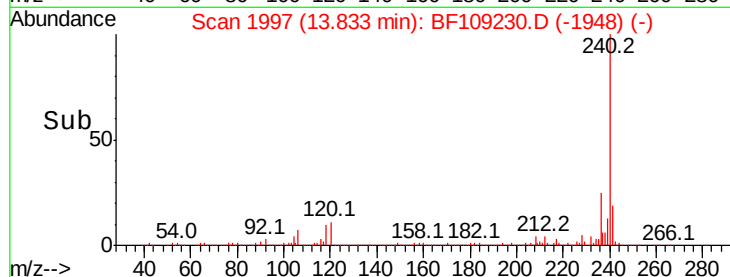
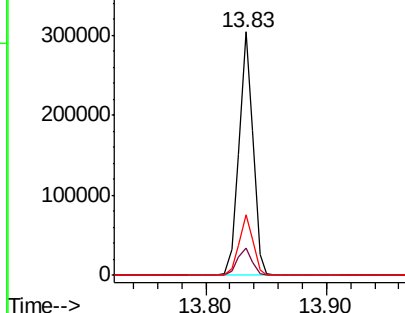
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1997
Delta R.T. -0.01 min
Lab File: BF109230.D
Acq: 22 Sep 2018 19:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 249445
Ion Ratio Lower Upper
240 100
120 11.2 9.5 14.3
236 24.8 20.7 31.1

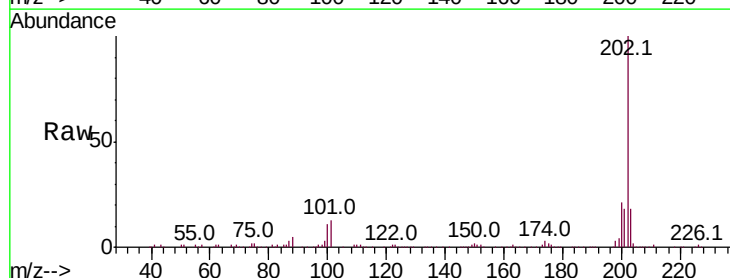


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

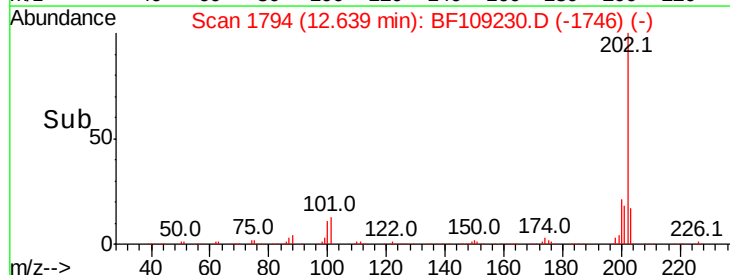
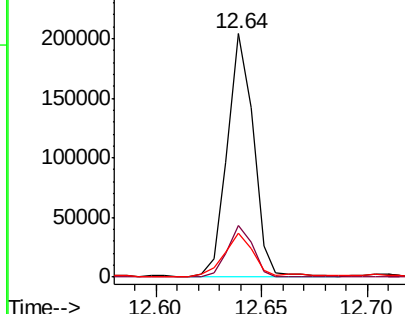


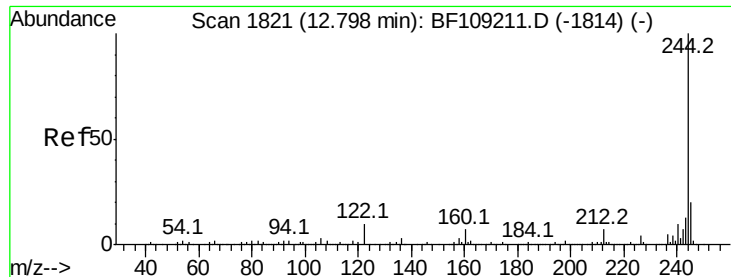
#77
Pyrene
Concen: 9.696 ng
RT: 12.64 min Scan# 1794
Delta R.T. -0.02 min
Lab File: BF109230.D
Acq: 22 Sep 2018 19:14

Tgt Ion:202 Resp: 173347
Ion Ratio Lower Upper
202 100
200 21.2 17.4 26.2
203 18.1 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: 13.201 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.02 min

Lab File: BF109230.D

Acq: 22 Sep 2018 19:14

Instrument :

BNA_F

ClientSampleId :

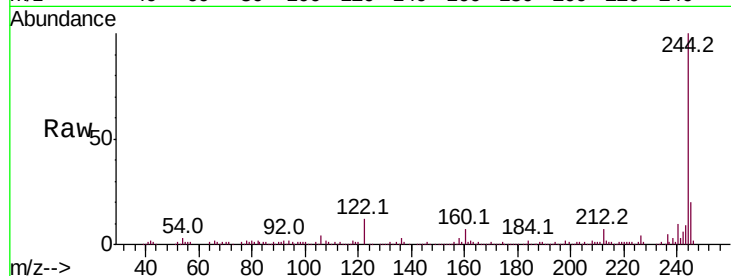
Tot Ion:244 Resp: 134181

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

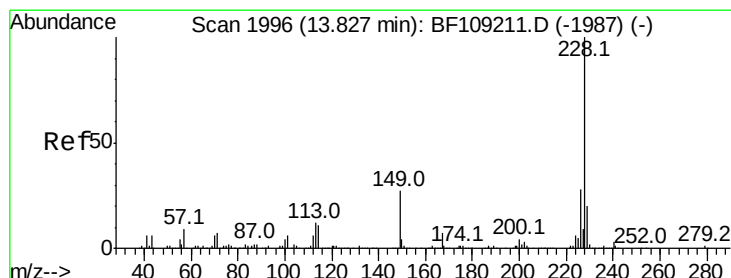
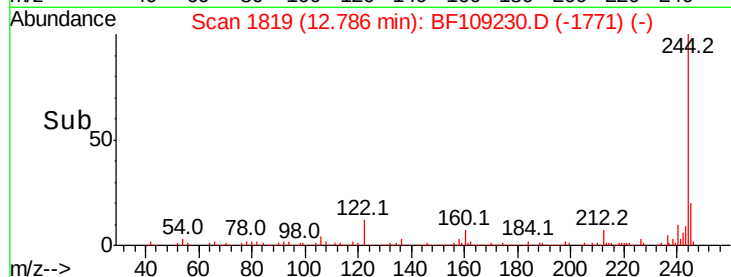
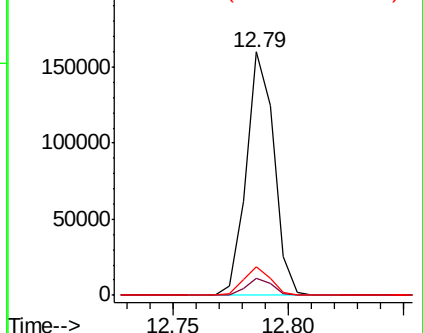
122 11.5 11.0 16.4



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: 3.738 ng

RT: 13.82 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF109230.D

Acq: 22 Sep 2018 19:14

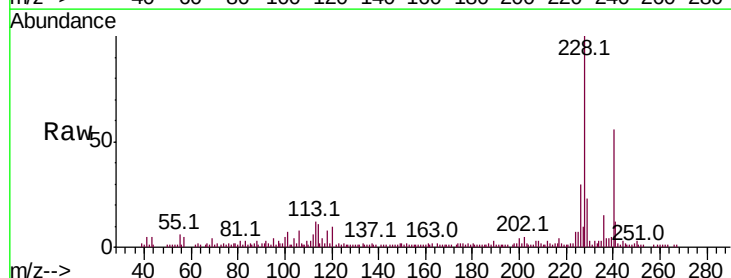
Tgt Ion:228 Resp: 56165

Ion Ratio Lower Upper

228 100

226 30.4 22.6 33.8

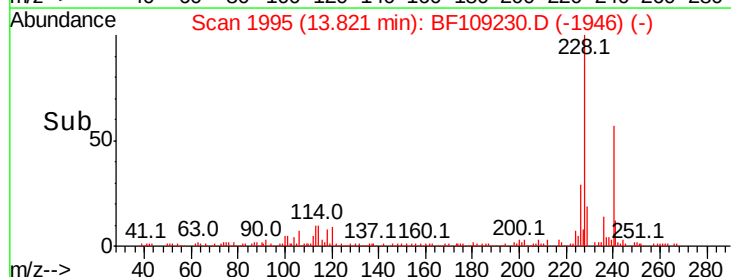
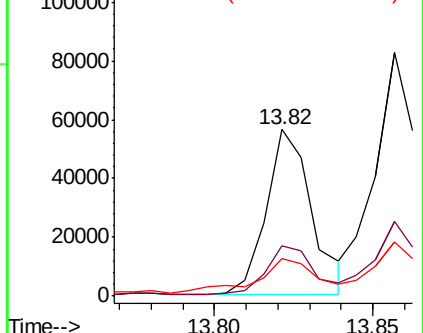
229 22.5 15.8 23.6

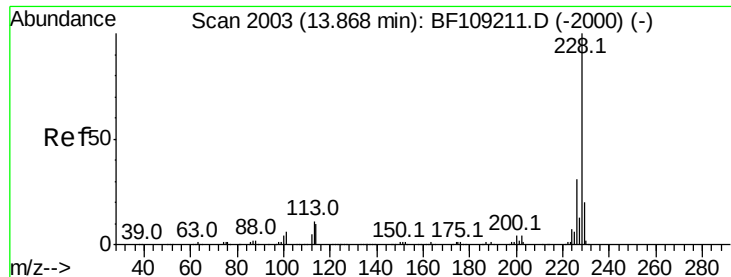


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.012 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.02 min

Lab File: BF109230.D

Acq: 22 Sep 2018 19:14

Instrument :

BNA_F

ClientSampleId :

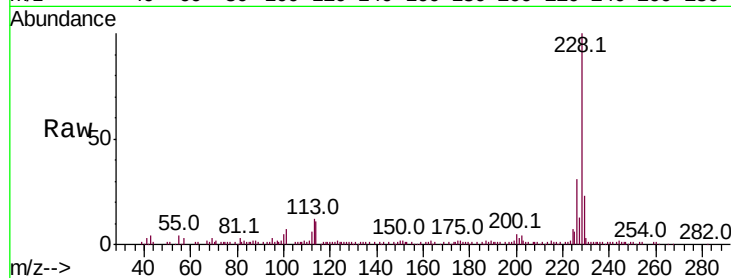
Tot Ion:228 Resp: 74644

Ion Ratio Lower Upper

228 100

226 30.8 25.0 37.6

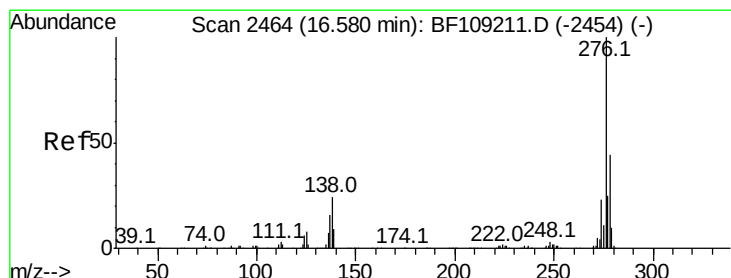
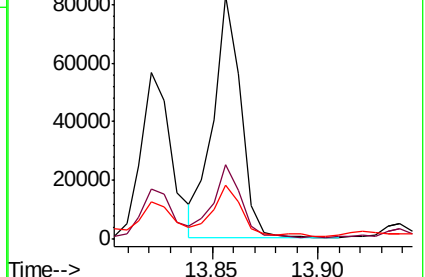
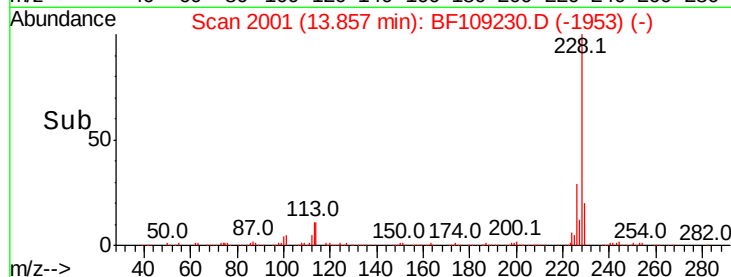
229 22.5 16.2 24.4



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: 2.282 ng

RT: 16.57 min Scan# 2462

Delta R.T. -0.02 min

Lab File: BF109230.D

Acq: 22 Sep 2018 19:14

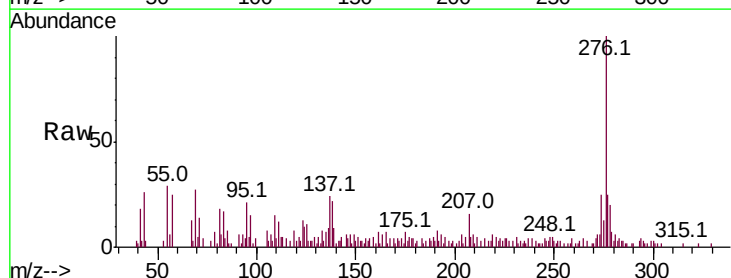
Tgt Ion:276 Resp: 27545

Ion Ratio Lower Upper

276 100

138 23.0 25.0 37.6#

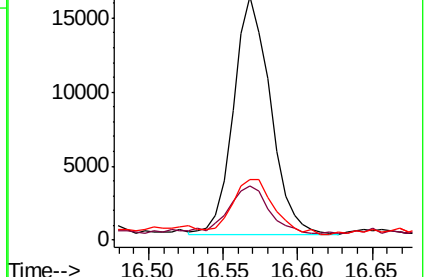
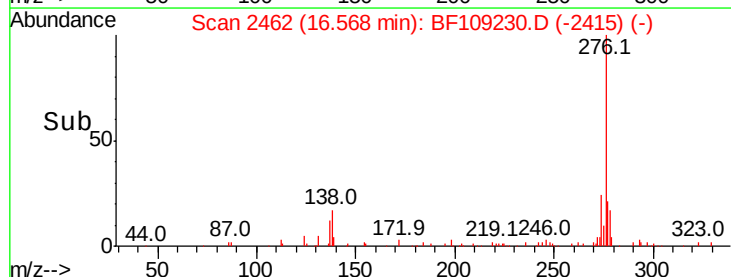
277 26.1 20.1 30.1

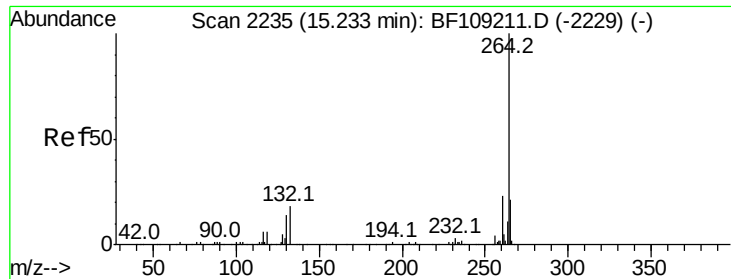


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

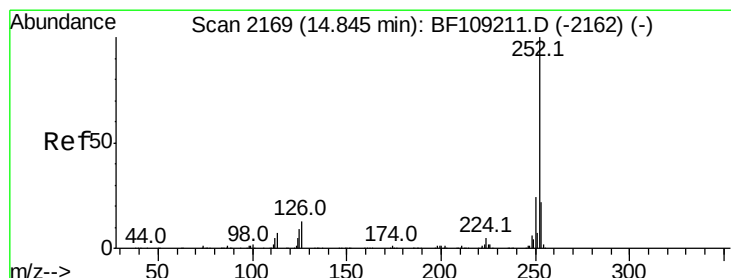
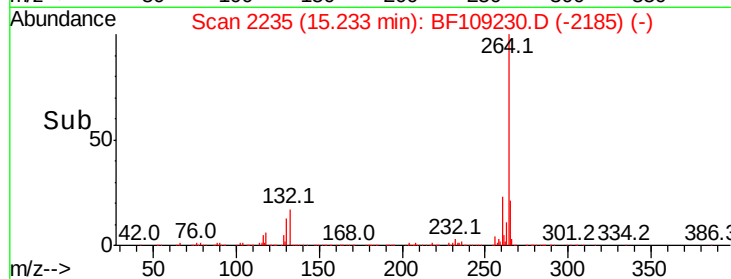
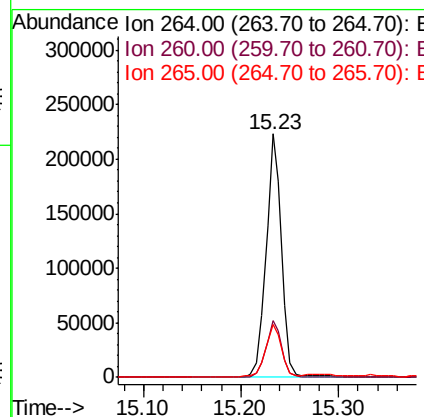
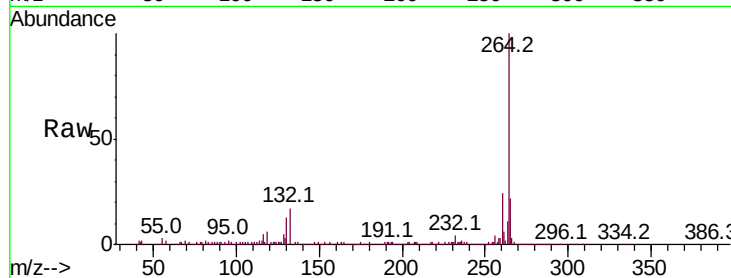




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF109230.D
Acq: 22 Sep 2018 19:14

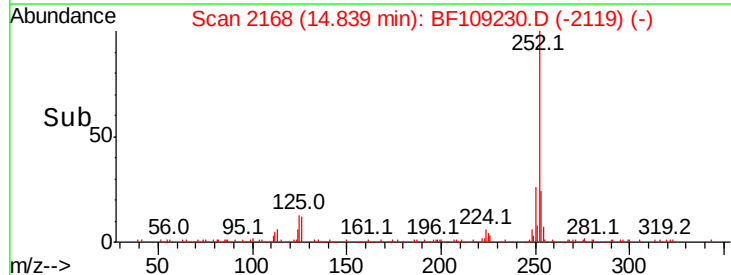
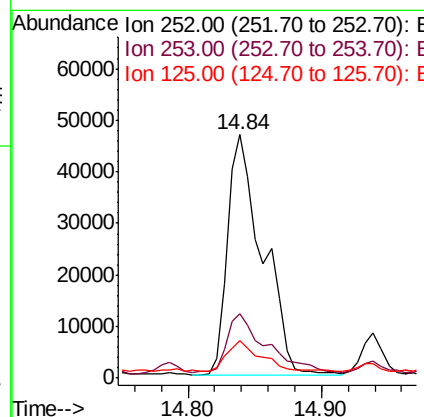
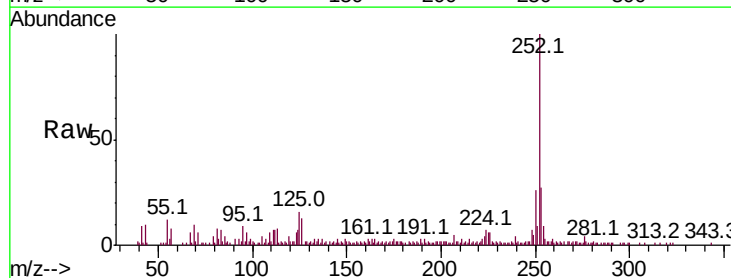
Instrument :
BNA_F
ClientSampleId :

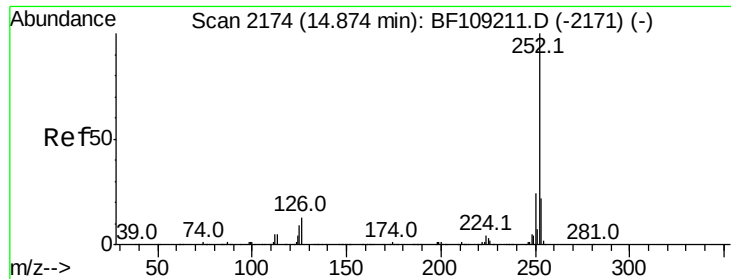
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.6	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 6.182 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF109230.D
Acq: 22 Sep 2018 19:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.0	25.6#
125	15.7	9.0	13.6#

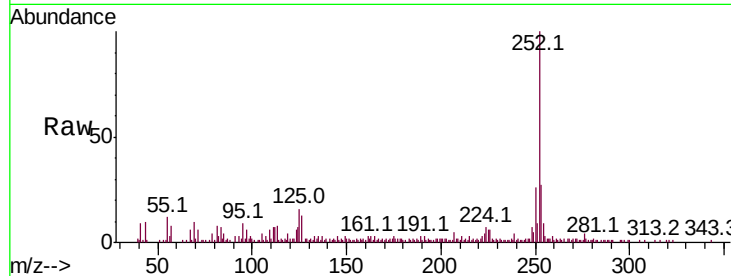




#88
Benzo(k)fluoranthene
Concen: 6.515 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.04 min
Lab File: BF109230.D
Acq: 22 Sep 2018 19:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.9	26.9
125	15.7	10.2	15.2

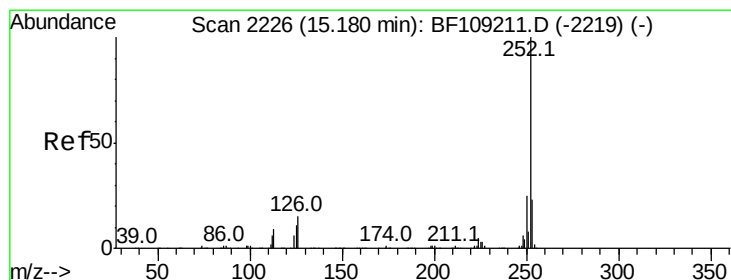
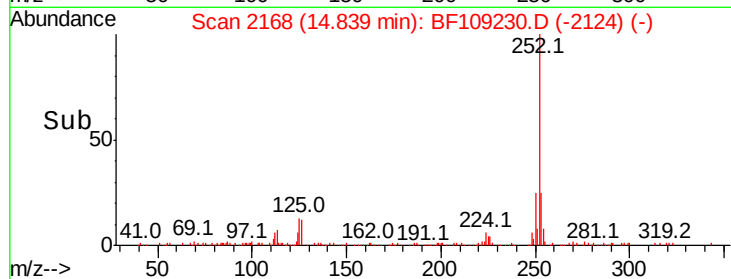
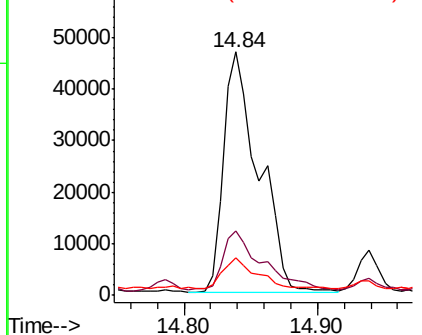


Abundance

Ion 252.00 (251.70 to 252.70): E

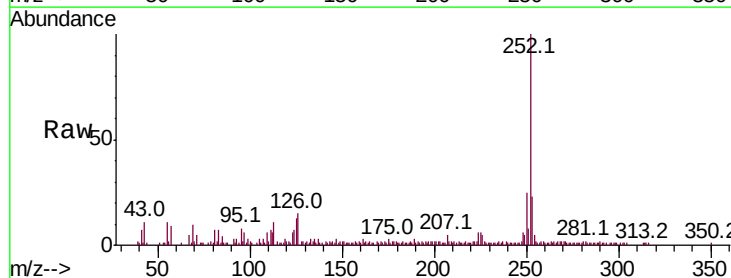
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 4.626 ng
RT: 15.17 min Scan# 2225
Delta R.T. -0.01 min
Lab File: BF109230.D
Acq: 22 Sep 2018 19:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	13.3	9.8	14.6

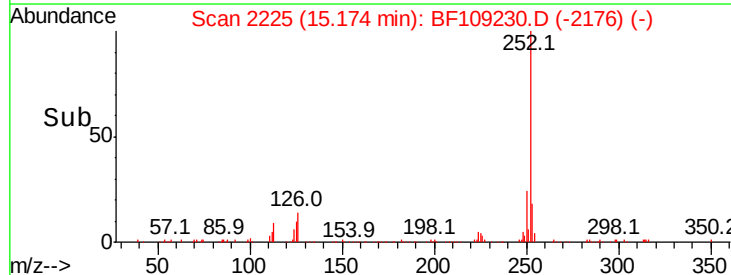
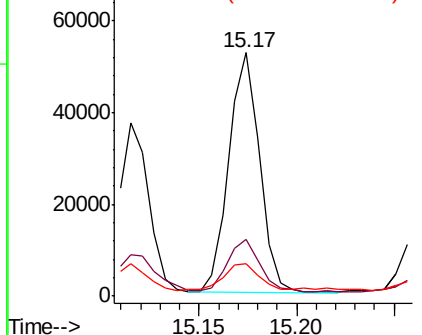


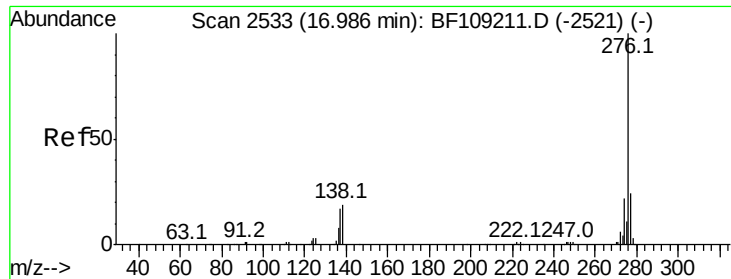
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

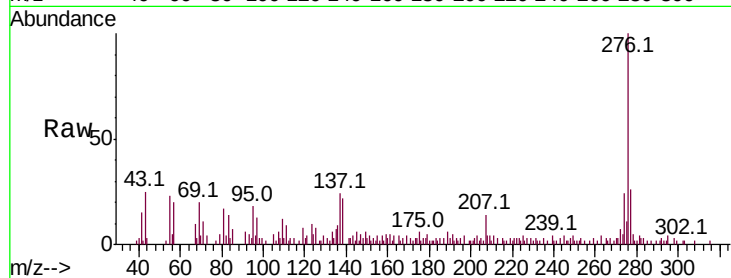




#91
 Benzo(a,h,i)perylene
 Concen: 3.255 ng
 RT: 16.97 min Scan# 2531
 Delta R.T. -0.02 min
 Lab File: BF109230.D
 Acq: 22 Sep 2018 19:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.1	17.9	26.9
138	21.6	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

