

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
 Data File : BF109268.D
 Acq On : 24 Sep 2018 15:34
 Operator : JU/SJ
 Sample : J4770-05 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 24 17:08:21 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	115759	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	445608	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	200686	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	332444	20.00	ng	0.00
75) Chrysene-d12	13.84	240	305155	20.00	ng	0.00
86) Perylene-d12	15.24	264	249249	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	274962	39.12	ng	0.00
7) Phenol-d6	6.34	99	351280	39.17	ng	-0.02
23) Nitrobenzene-d5	7.26	82	209728	27.78	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	72027	36.41	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	392618	29.51	ng	-0.01
78) Terphenyl-d14	12.79	244	316793	25.48	ng	-0.01

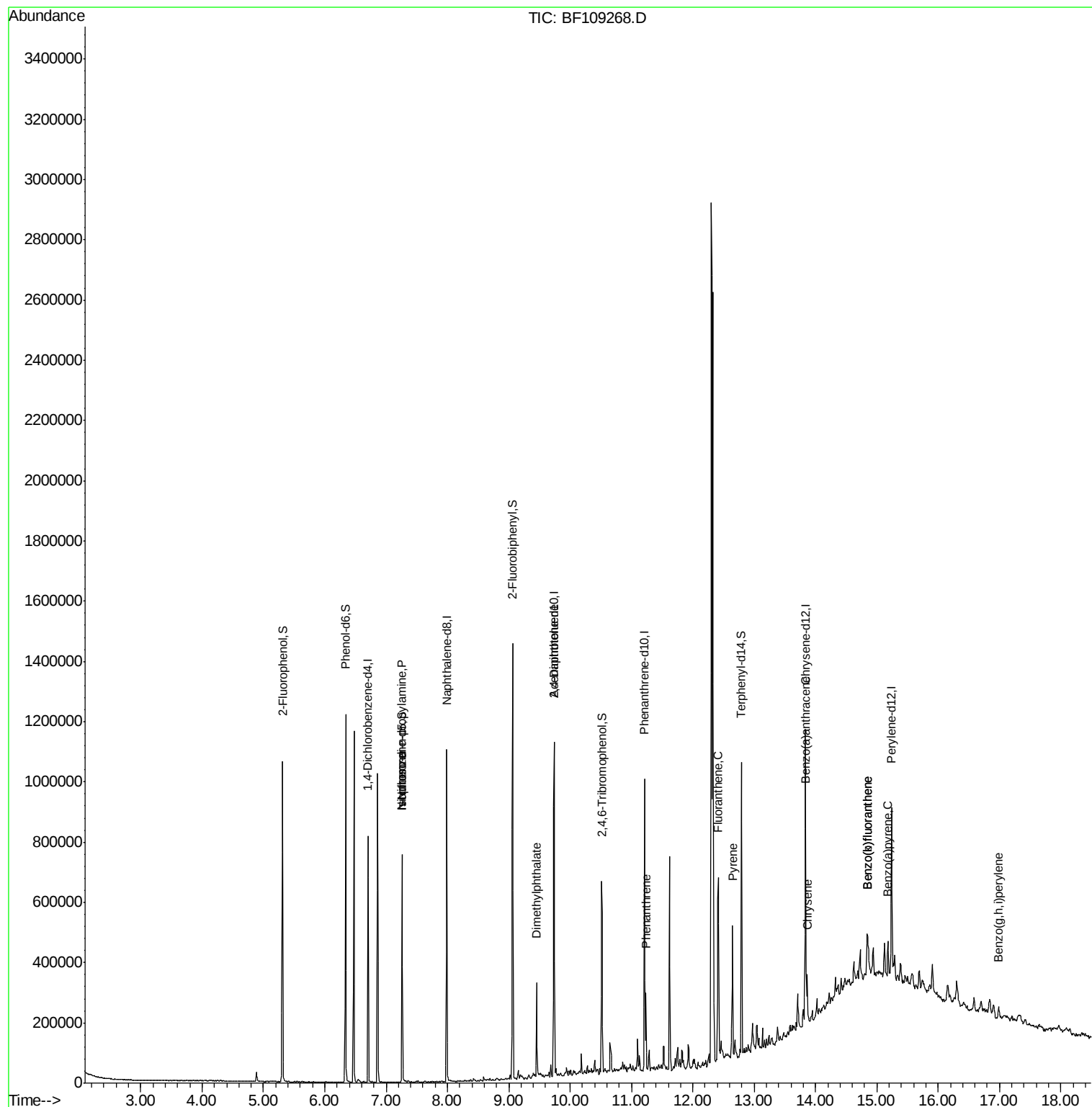
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	28131	4.787	ng	# 78
25) Isophorone	7.26	82	197186	14.506	ng	# 64
49) Dimethylphthalate	9.46	163	108685	7.446	ng	100
56) 2,4-Dinitrotoluene	9.74	165	26348	7.203	ng	# 24
70) Phenanthrene	11.23	178	93237	5.617	ng	97
74) Fluoranthene	12.42	202	160164	9.029	ng	95
77) Pyrene	12.65	202	153213	7.006	ng	98
80) Benzo(a)anthracene	13.83	228	72787	3.960	ng	98
82) Chrysene	13.86	228	63302	3.475	ng	96
87) Benzo(b)fluoranthene	14.84	252	98862	7.218	ng	93
88) Benzo(k)fluoranthene	14.84	252	98862	7.607	ng	96
89) Benzo(a)pyrene	15.18	252	54289	4.399	ng	# 93
91) Benzo(a,h,i)perylene	16.99	276	27245	2.738	ng	# 93

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

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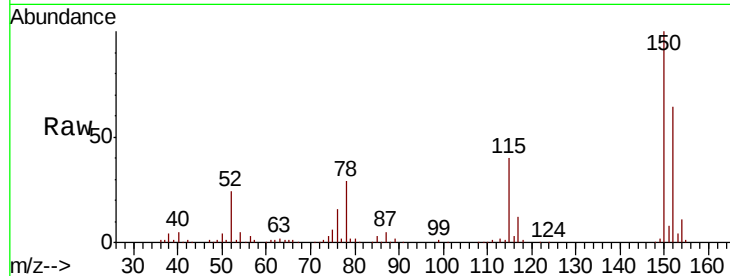


#1

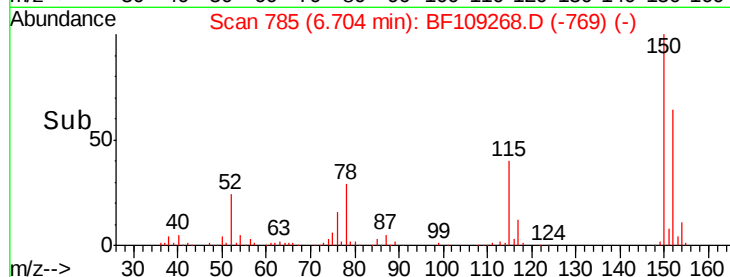
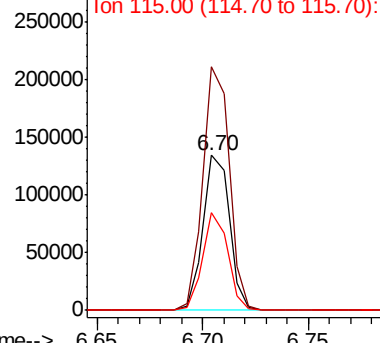
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109268.D
Acq: 24 Sep 2018 15:34

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 115759
Ion Ratio Lower Upper
152 100
150 157.0 124.6 186.8
115 63.1 50.1 75.1



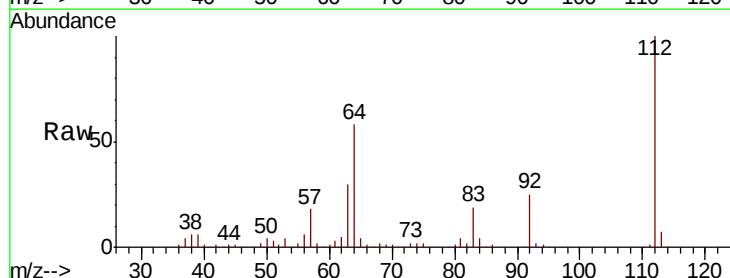
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



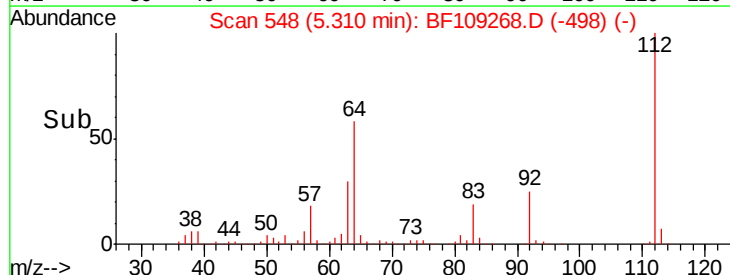
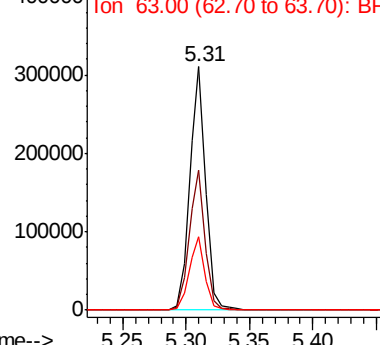
#5

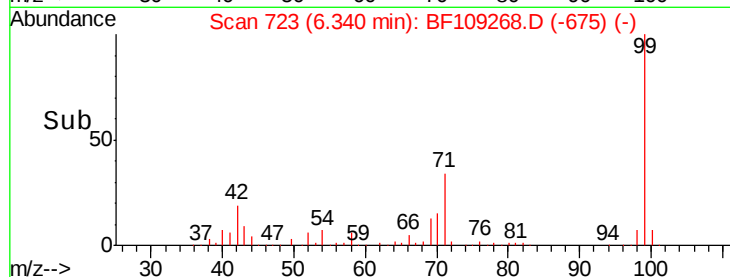
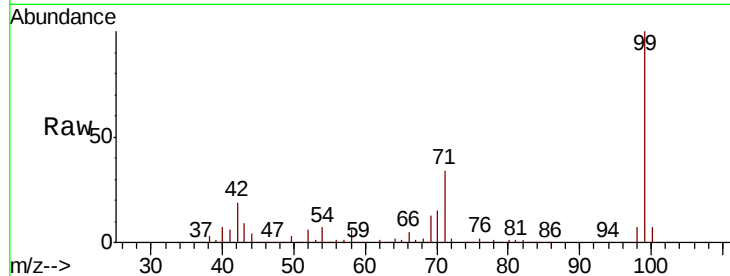
2-Fluorophenol
Concen: 39.123 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF109268.D
Acq: 24 Sep 2018 15:34

Tgt Ion:112 Resp: 274962
Ion Ratio Lower Upper
112 100
64 57.7 47.9 71.9
63 29.9 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

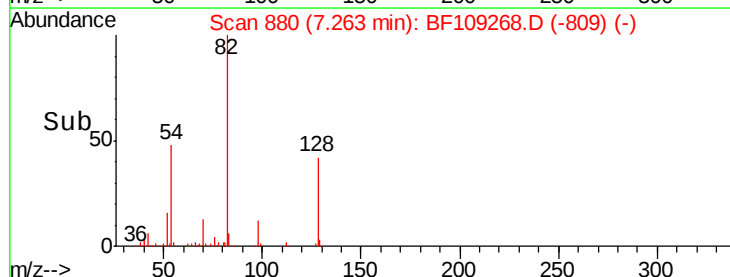
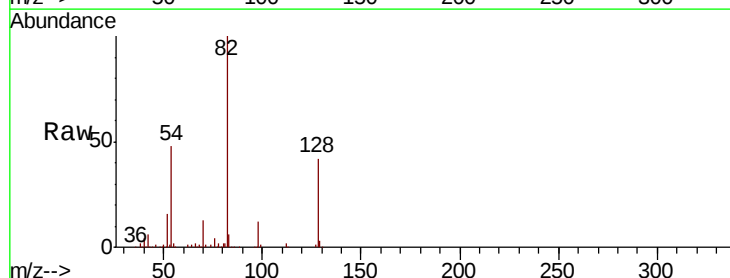
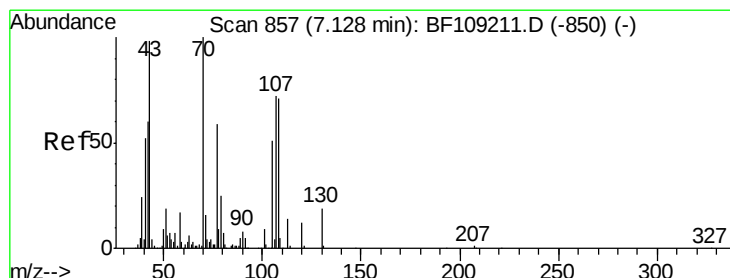
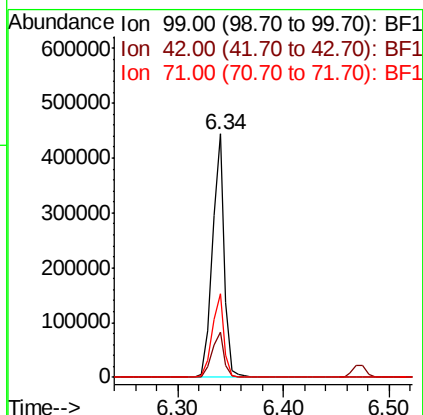




#7
 Phenol-d6
 Concen: 39.170 ng
 RT: 6.34 min Scan# 723
 Delta R.T. -0.02 min
 Lab File: BF109268.D
 Acq: 24 Sep 2018 15:34

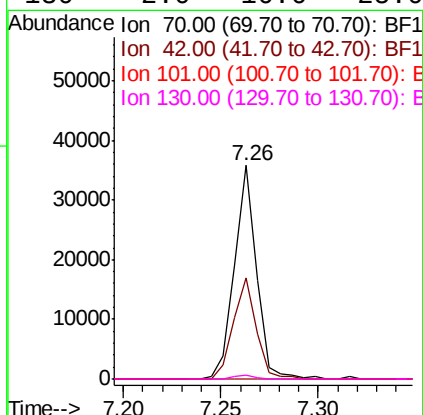
Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ion	Ratio	Lower	Upper
99	100			
42	18.7	14.5	21.7	
71	34.3	25.4	38.0	



#19
 n-Nitroso-di-n-propylamine
 Concen: 4.787 ng
 RT: 7.26 min Scan# 880
 Delta R.T. 0.12 min
 Lab File: BF109268.D
 Acq: 24 Sep 2018 15:34

Tgt Ion	Ion	Ratio	Lower	Upper
70	100			
42	47.5	47.5	71.3	
101	0.0	7.4	11.2#	
130	2.0	16.6	25.0#	





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF109268.D

Acq: 24 Sep 2018 15:34

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 445608

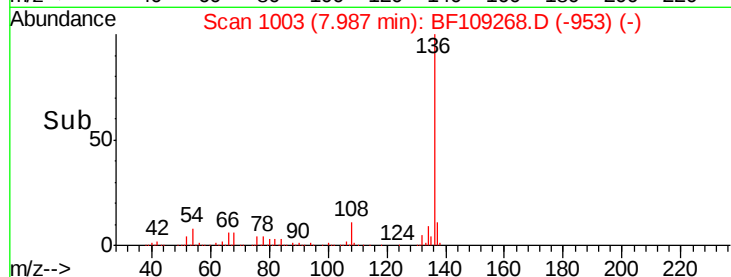
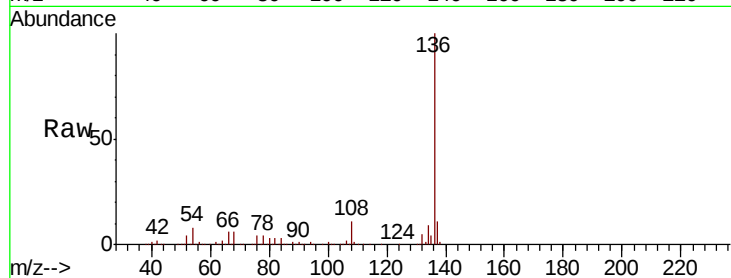
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.8 6.6 9.8

68 5.9 5.0 7.4

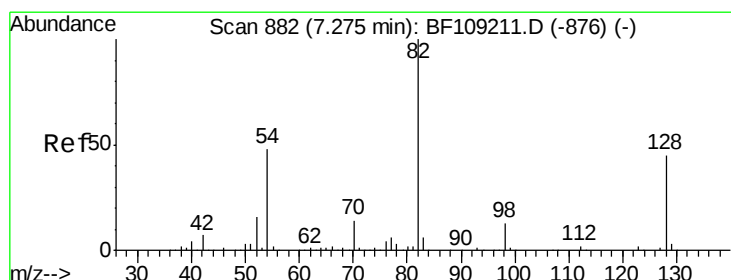
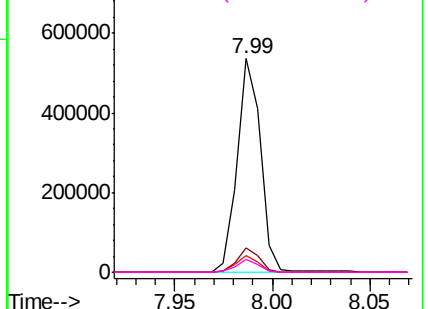


Abundance Ion 136.00 (135.70 to 136.70): E

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: 27.784 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF109268.D

Acq: 24 Sep 2018 15:34

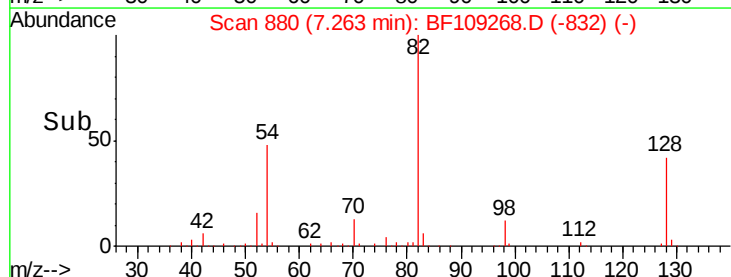
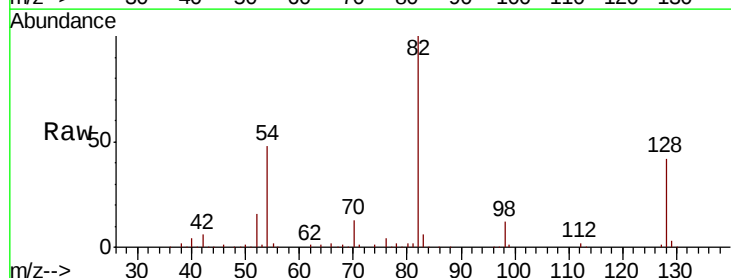
Tgt Ion: 82 Resp: 209728

Ion Ratio Lower Upper

82 100

128 42.1 36.1 54.1

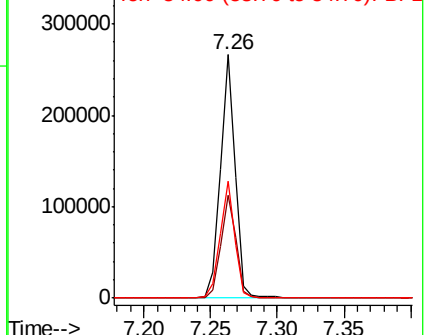
54 48.2 41.4 62.2

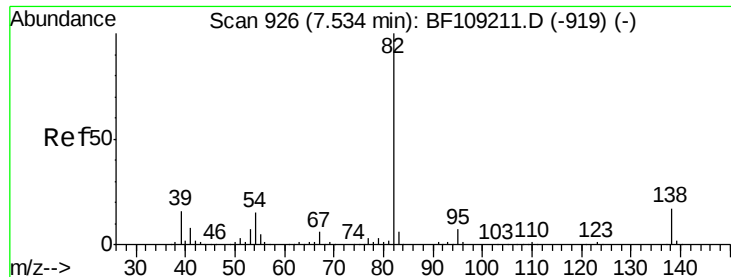


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 14.506 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF109268.D

Acq: 24 Sep 2018 15:34

Instrument :

BNA_F

ClientSampleId :

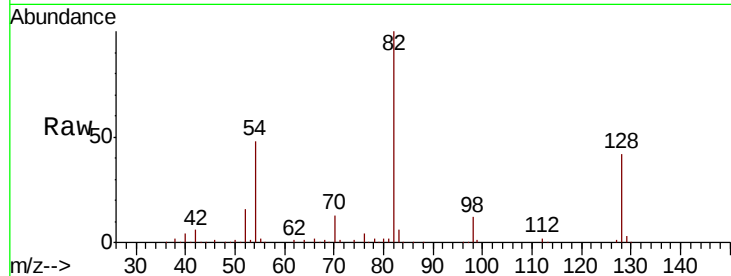
Tot Ion: 82 Resp: 197186

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

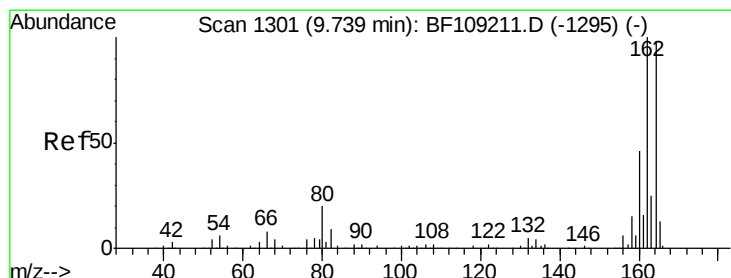
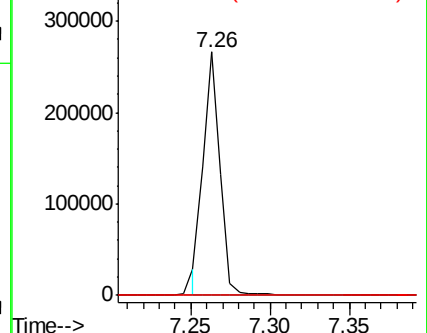
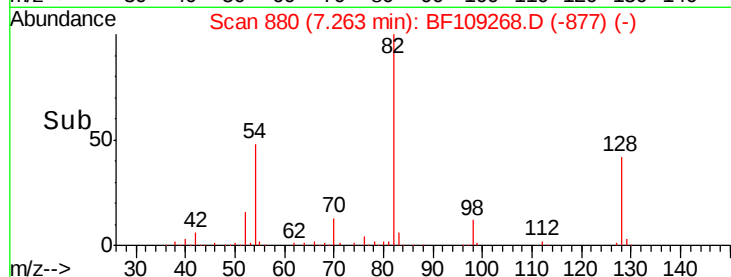
138 0.0 14.9 22.3#



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: 9.74 min Scan# 1301

Delta R.T. 0.00 min

Lab File: BF109268.D

Acq: 24 Sep 2018 15:34

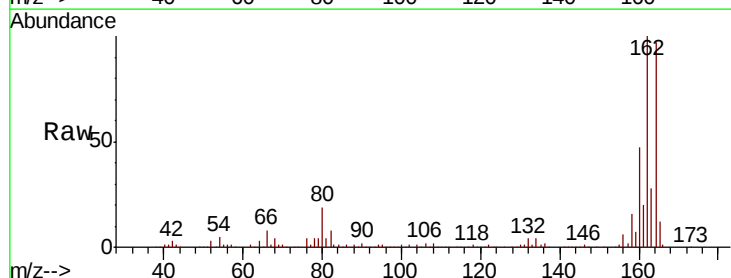
Tgt Ion:164 Resp: 200686

Ion Ratio Lower Upper

164 100

162 102.6 86.1 129.1

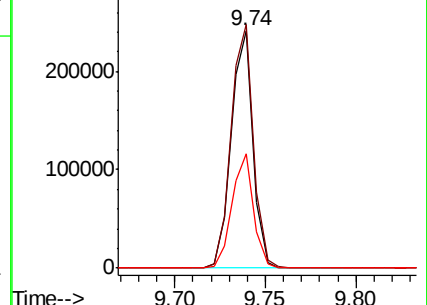
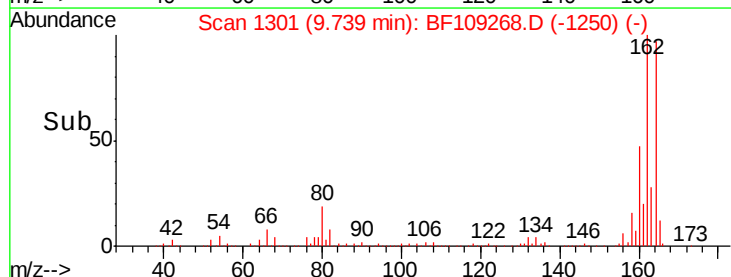
160 48.4 38.3 57.5

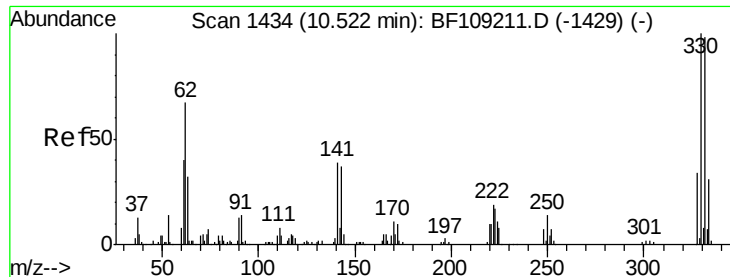


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

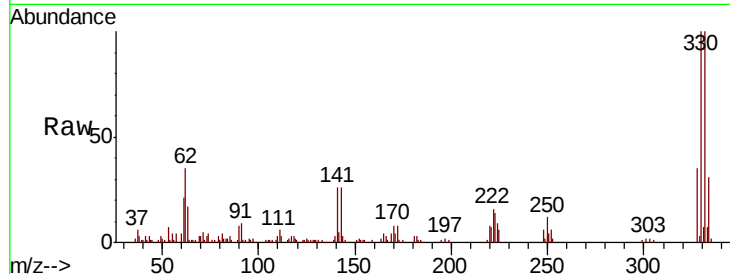




#41
 2,4,6-Tribromophenol
 Concen: 36.408 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109268.D
 Acq: 24 Sep 2018 15:34

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.6	77.0	115.6
141	36.8	29.9	44.9

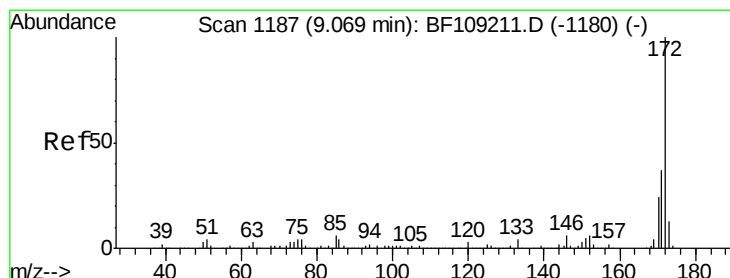
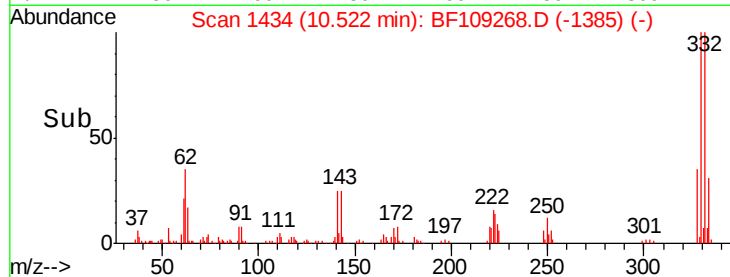
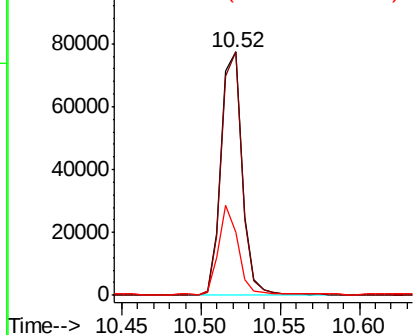


Abundance

Ion 329.80 (329.50 to 330.50): E

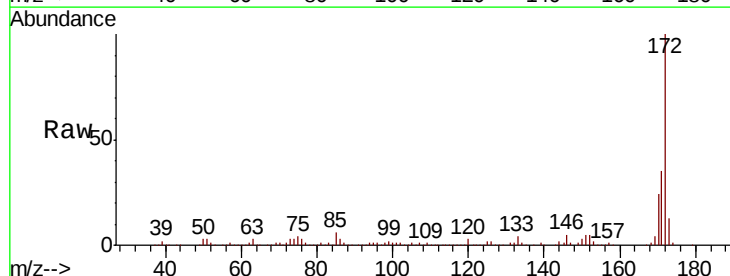
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 29.506 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109268.D
 Acq: 24 Sep 2018 15:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.7	44.5
170	23.6	19.6	29.4

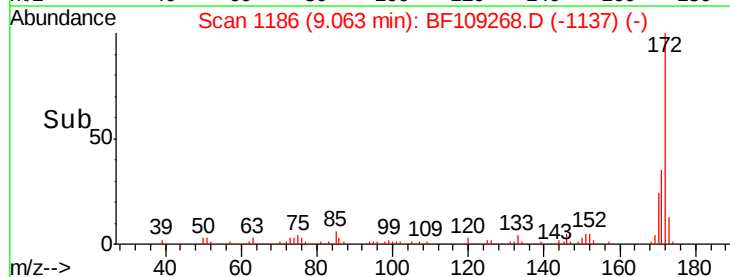
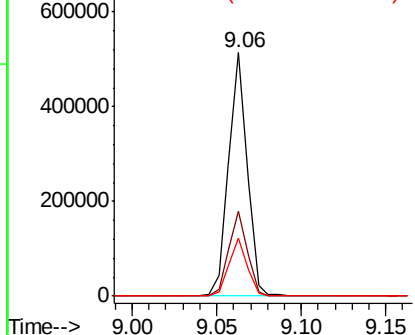


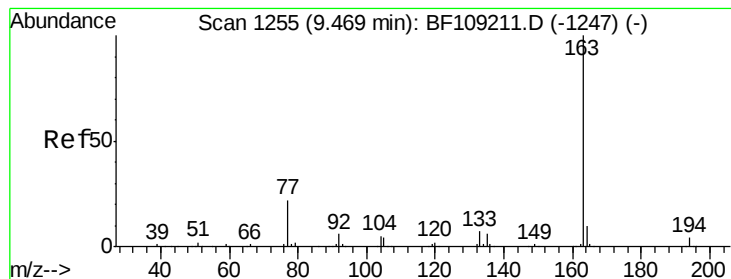
Abundance

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: 7.446 ng

RT: 9.46 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF109268.D

Acq: 24 Sep 2018 15:34

Instrument :

BNA_F

ClientSampleId :

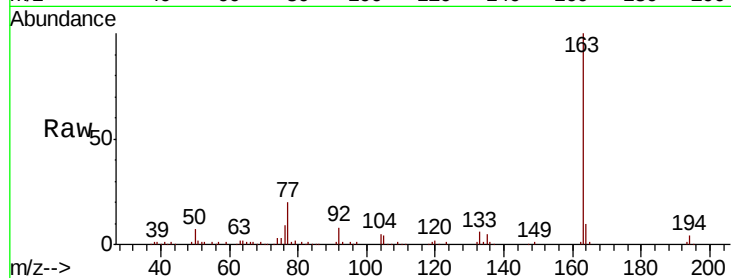
Tot Ion:163 Resp: 108685

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

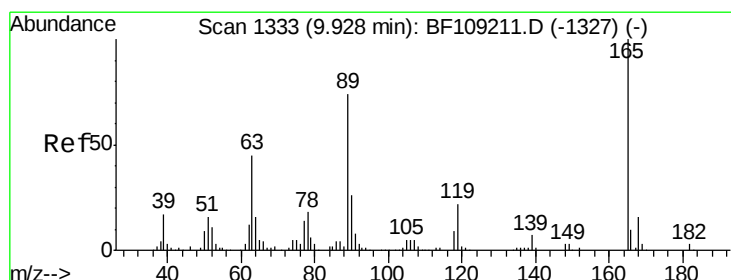
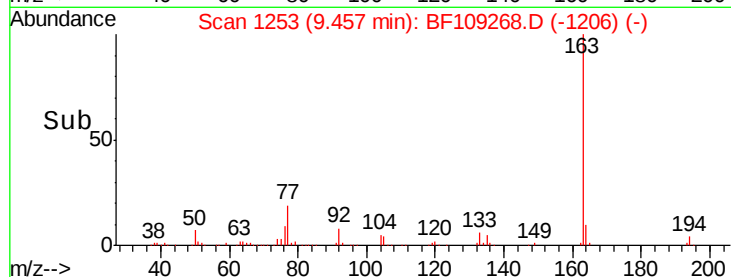
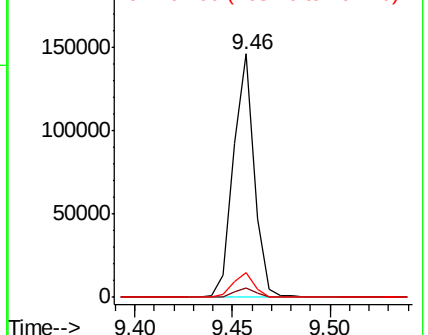
164 10.1 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 7.203 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.20 min

Lab File: BF109268.D

Acq: 24 Sep 2018 15:34

Tgt Ion:165 Resp: 26348

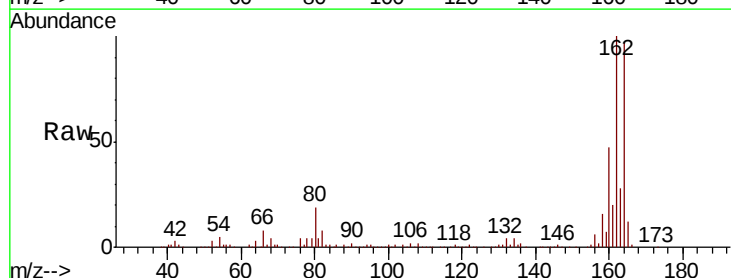
Ion Ratio Lower Upper

165 100

63 1.5 36.4 54.6#

89 2.0 57.8 86.6#

182 0.0 1.6 2.4#

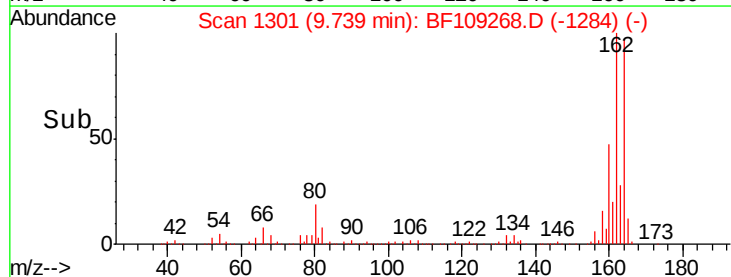
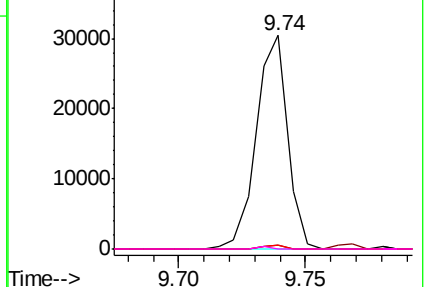


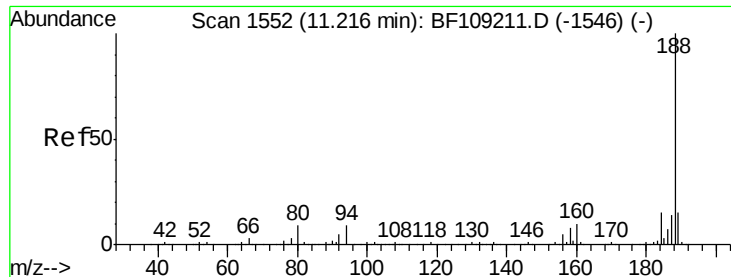
Abundance Ion 165.00 (164.70 to 165.70): E

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

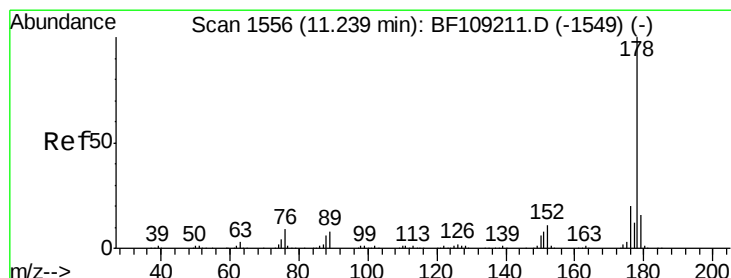
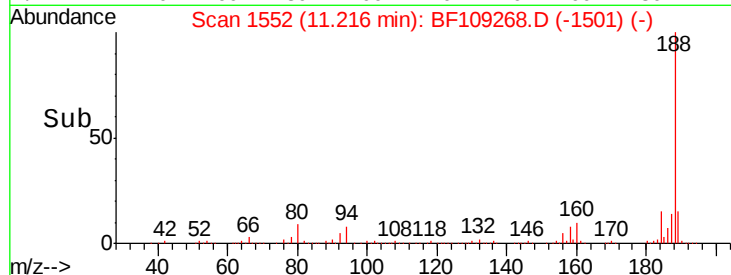
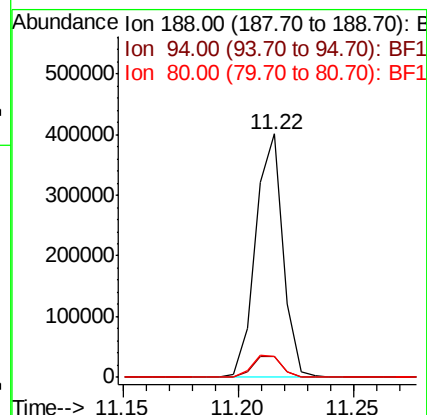
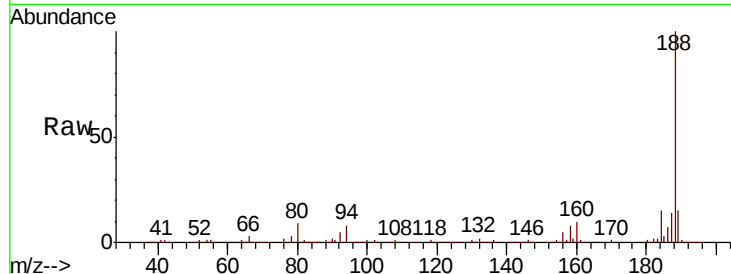




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. 0.00 min
 Lab File: BF109268.D
 Acq: 24 Sep 2018 15:34

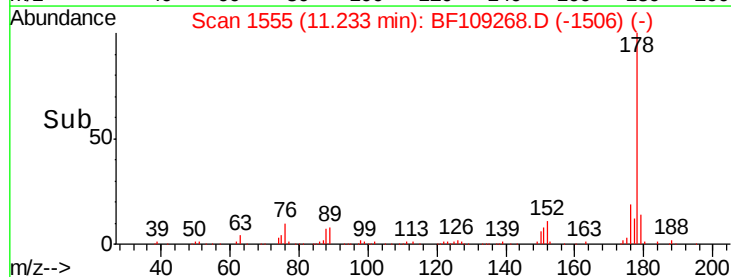
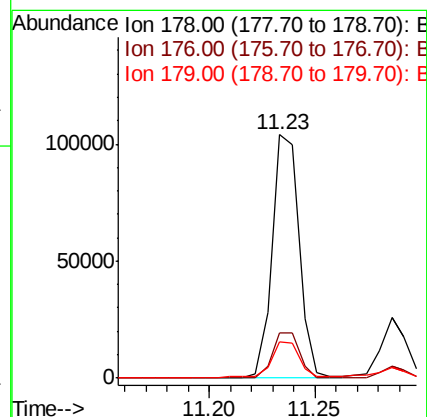
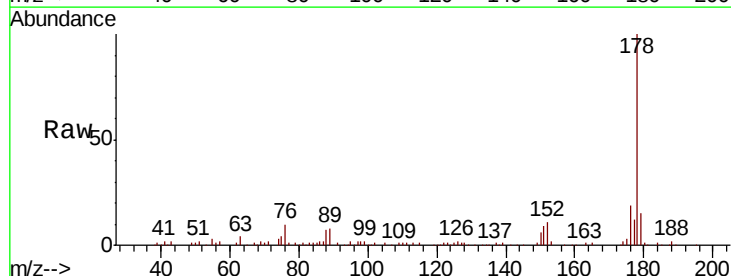
Instrument :
 BNA_F
 ClientSampled :

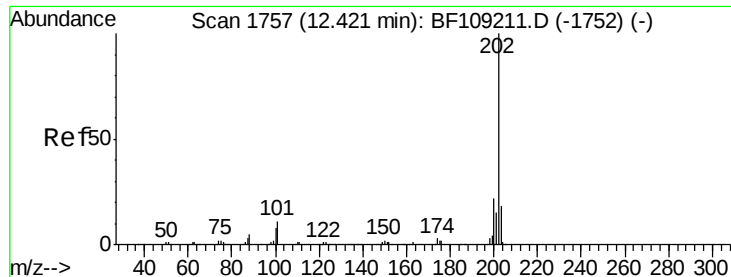
Tot Ion:188 Resp: 332444
 Ion Ratio Lower Upper
 188 100
 94 8.5 8.5 12.7#
 80 8.7 9.2 13.8#



#70
 Phenanthrene
 Concen: 5.617 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF109268.D
 Acq: 24 Sep 2018 15:34

Tgt Ion:178 Resp: 93237
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.8 23.8
 179 14.7 13.0 19.6





#74

Fluoranthene

Concen: 9.029 ng

RT: 12.42 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BF109268.D

Acq: 24 Sep 2018 15:34

Instrument :

BNA_F

ClientSampled :

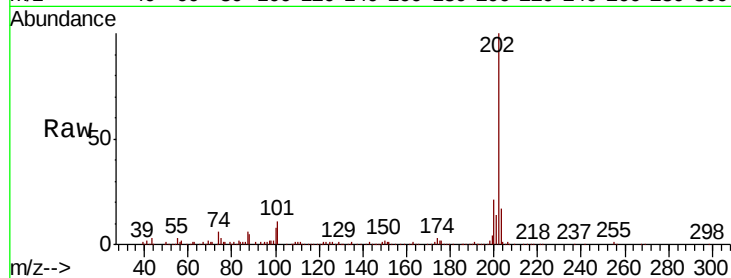
Tot Ion:202 Resp: 160164

Ion Ratio Lower Upper

202 100

101 10.6 0.0 34.1

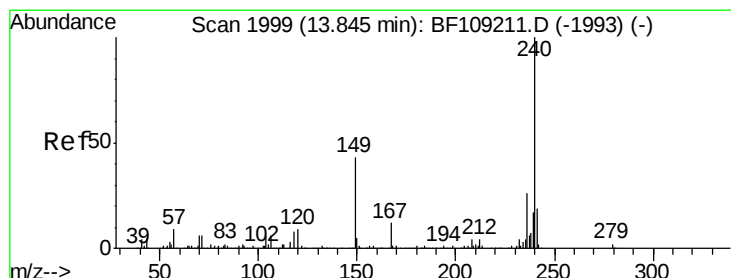
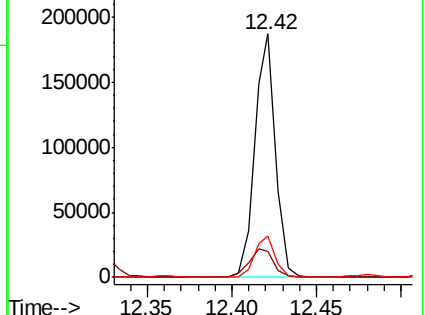
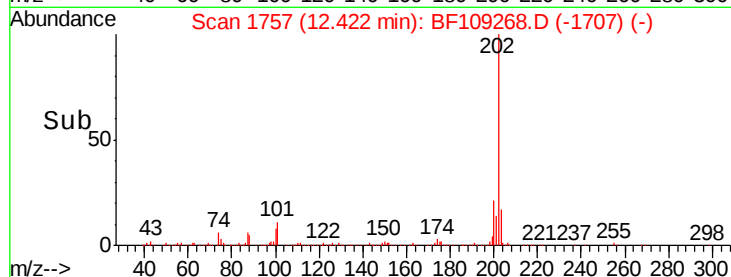
203 17.1 0.0 38.1



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: BF109268.D

Acq: 24 Sep 2018 15:34

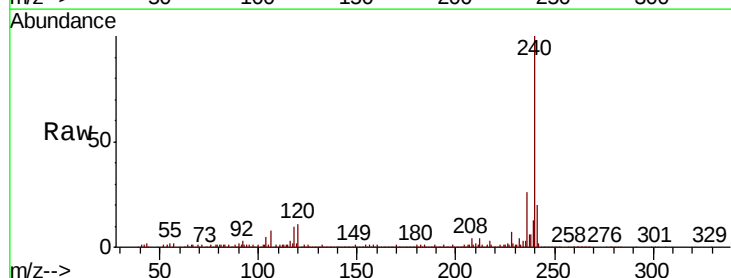
Tgt Ion:240 Resp: 305155

Ion Ratio Lower Upper

240 100

120 11.3 9.5 14.3

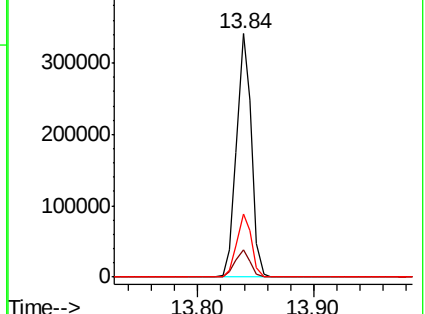
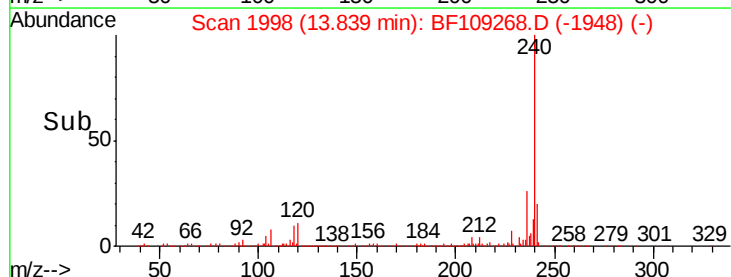
236 25.7 20.7 31.1

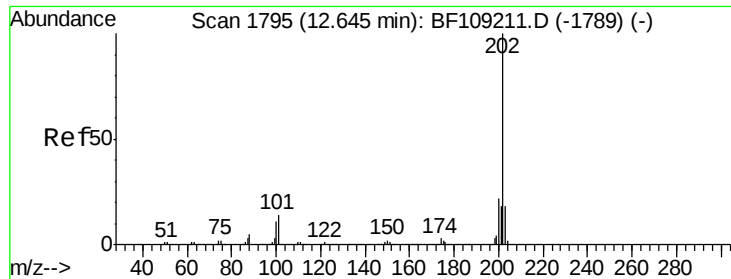


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 7.006 ng

RT: 12.65 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF109268.D

Acq: 24 Sep 2018 15:34

Instrument :

BNA_F

ClientSampleId :

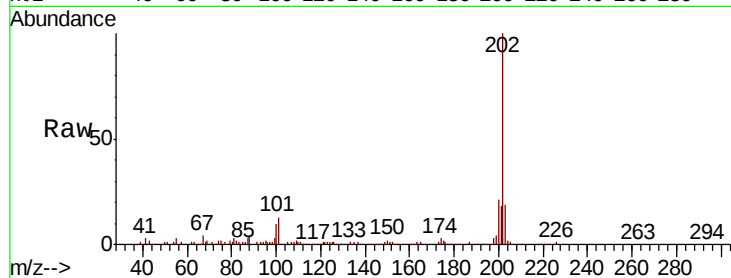
Tot Ion:202 Resp: 153213

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

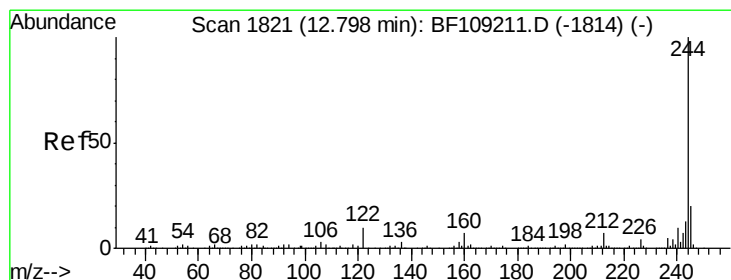
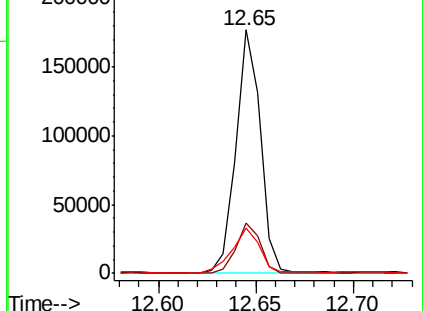
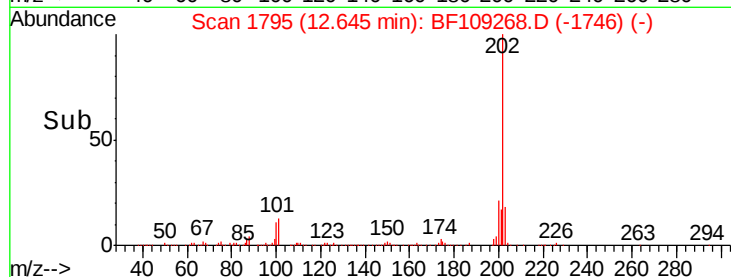
203 18.6 14.3 21.5



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: 25.478 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF109268.D

Acq: 24 Sep 2018 15:34

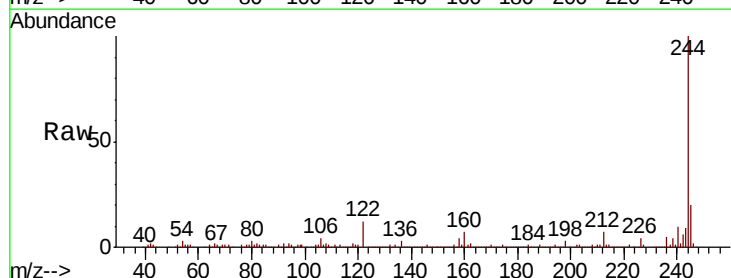
Tgt Ion:244 Resp: 316793

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

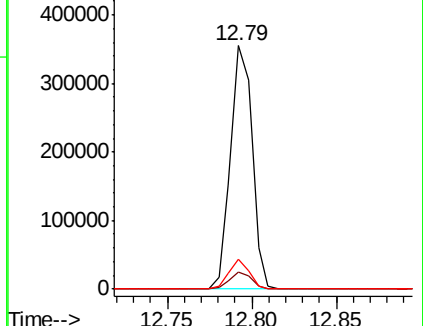
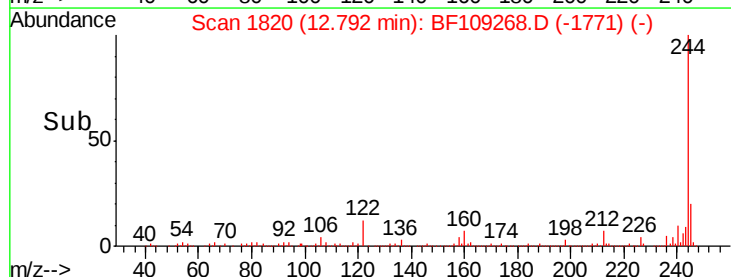
122 12.3 11.0 16.4

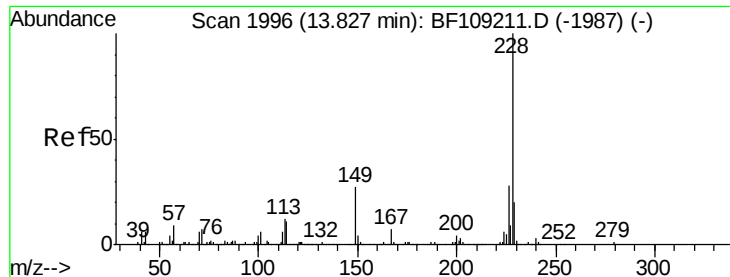


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.960 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF109268.D

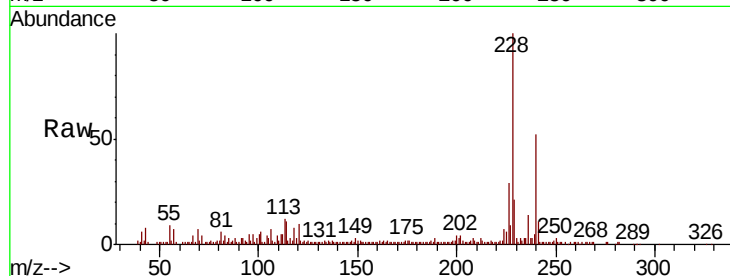
Acq: 24 Sep 2018 15:34

Instrument :

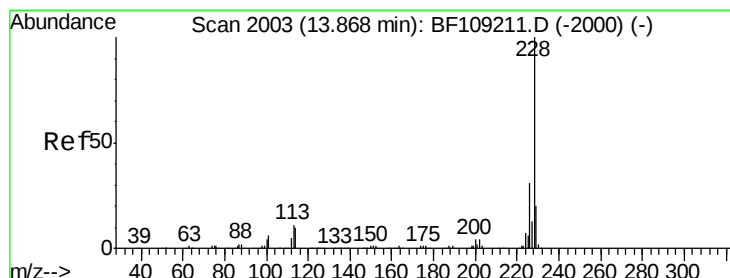
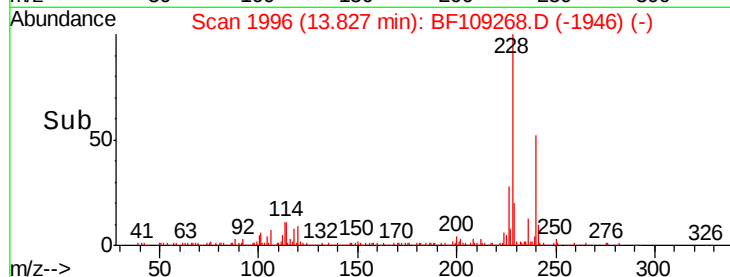
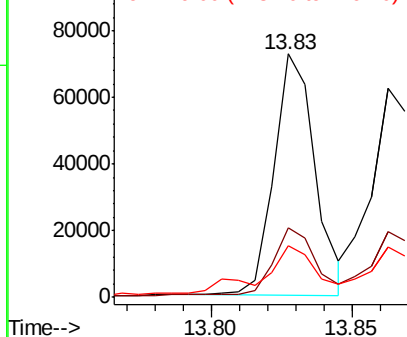
BNA_F

ClientSampled :

Tot Ion:228	Resp:	72787
Ion	Ratio	Lower Upper
228	100	
226	28.7	22.6 33.8
229	21.2	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: 3.475 ng

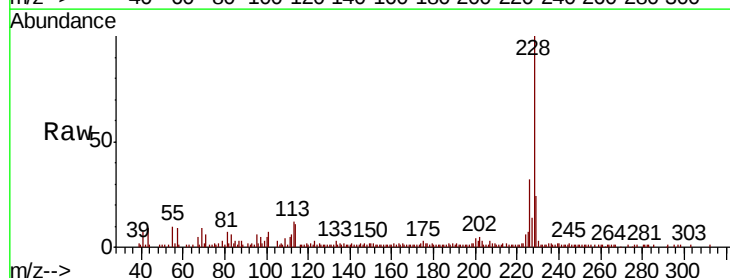
RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

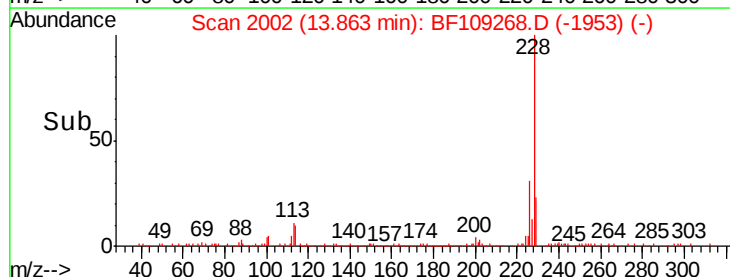
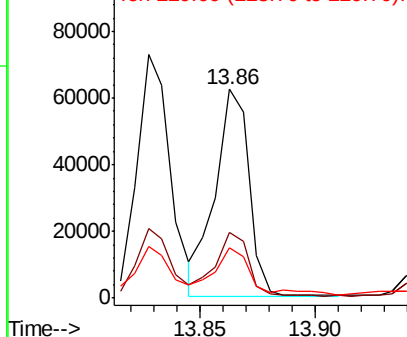
Lab File: BF109268.D

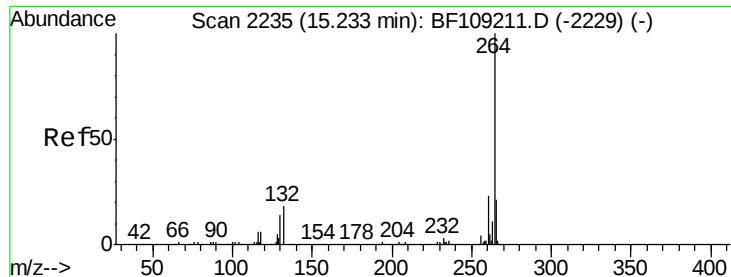
Acq: 24 Sep 2018 15:34

Tgt Ion:228	Resp:	63302
Ion	Ratio	Lower Upper
228	100	
226	31.6	25.0 37.6
229	24.0	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

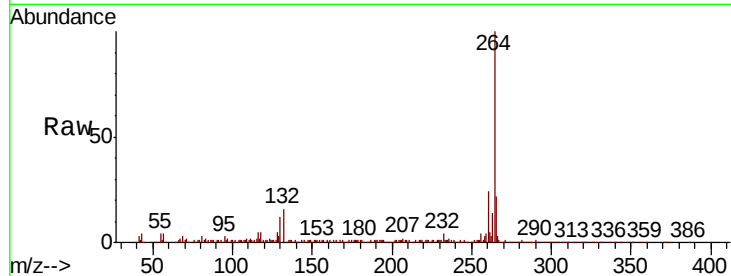




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BF109268.D
Acq: 24 Sep 2018 15:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.1	17.5	26.3

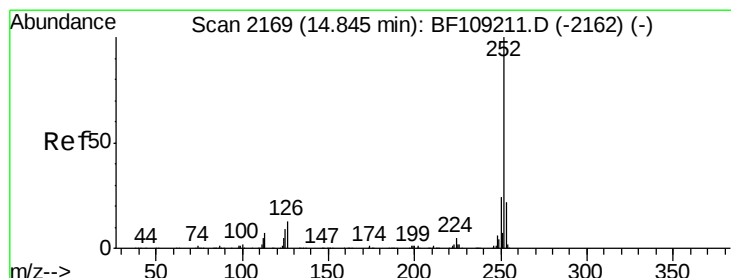
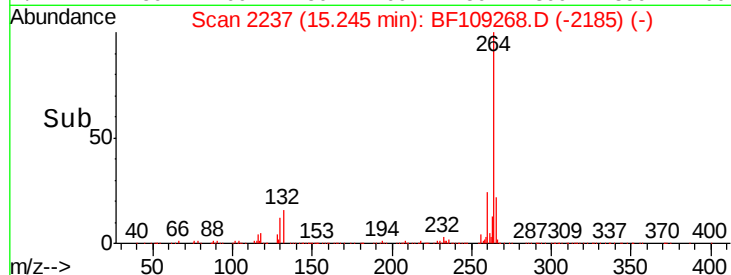
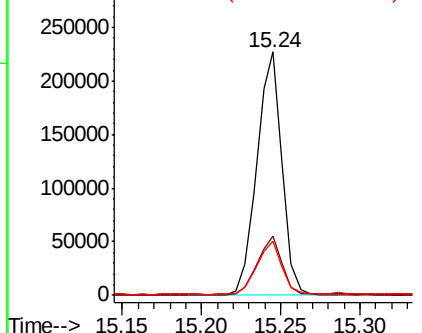


Abundance

Ion 264.00 (263.70 to 264.70): E

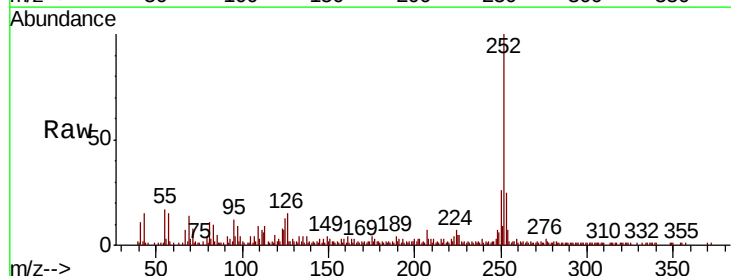
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 7.218 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF109268.D
Acq: 24 Sep 2018 15:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.0	25.6
125	13.2	9.0	13.6

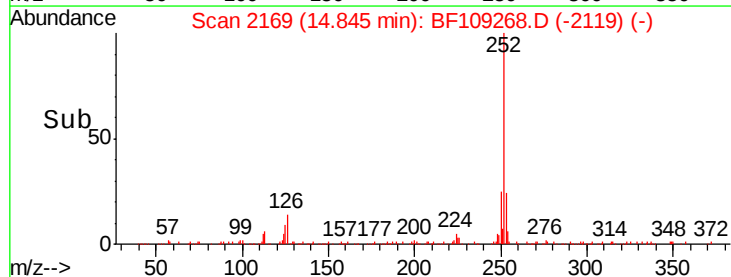
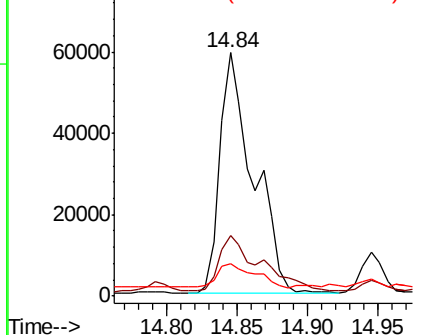


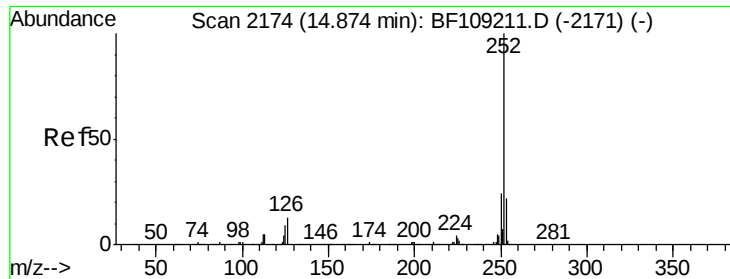
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

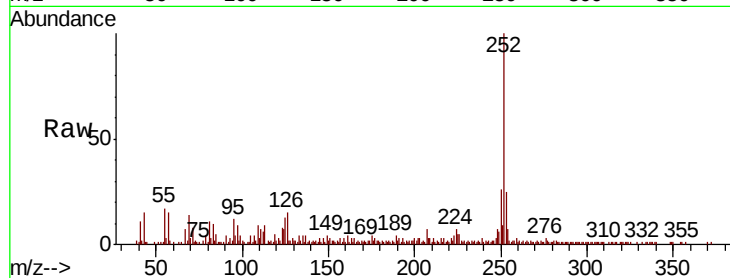




#88
Benzo(k)fluoranthene
Concen: 7.607 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.04 min
Lab File: BF109268.D
Acq: 24 Sep 2018 15:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.9	26.9
125	13.2	10.2	15.2

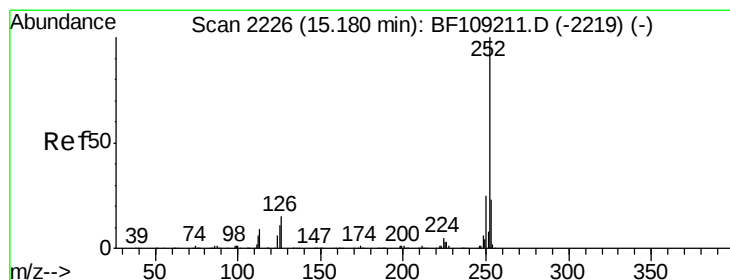
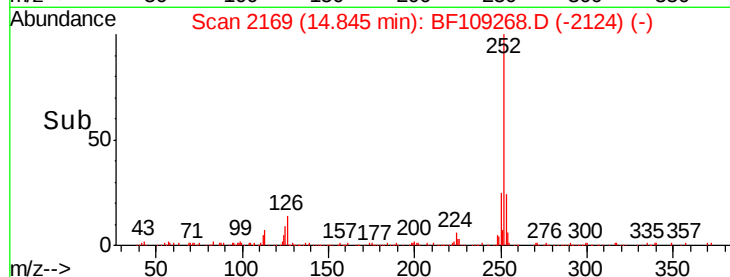
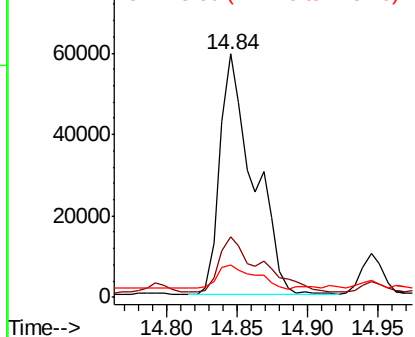


Abundance

Ion 252.00 (251.70 to 252.70): E

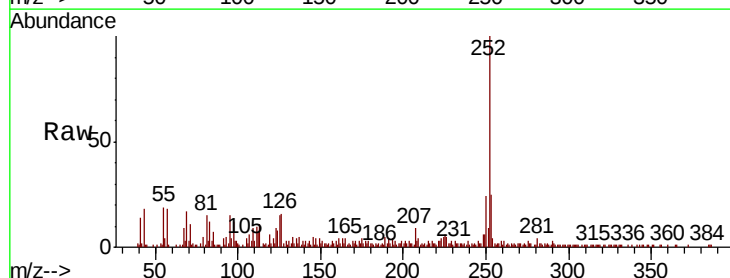
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 4.399 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF109268.D
Acq: 24 Sep 2018 15:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.1	25.7
125	14.9	9.8	14.6#

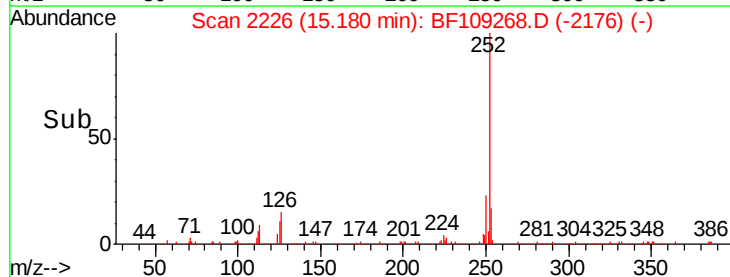
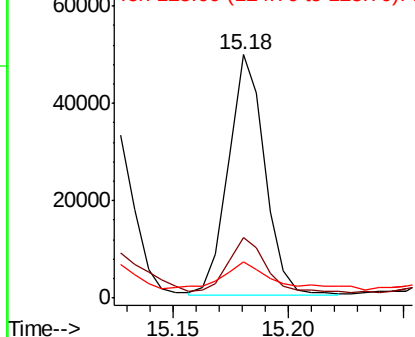


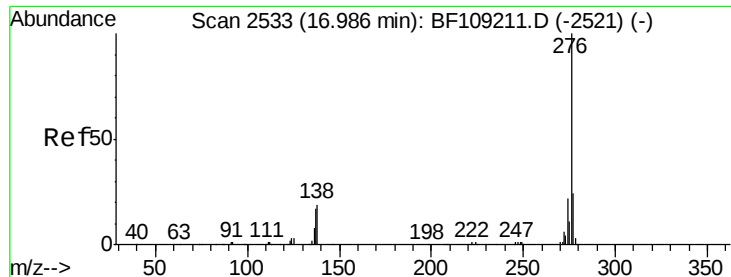
Abundance

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: 2.738 ng

RT: 16.99 min Scan# 2533

Delta R.T. -0.01 min

Lab File: BF109268.D

Acq: 24 Sep 2018 15:34

Instrument :

BNA_F

ClientSampleId :

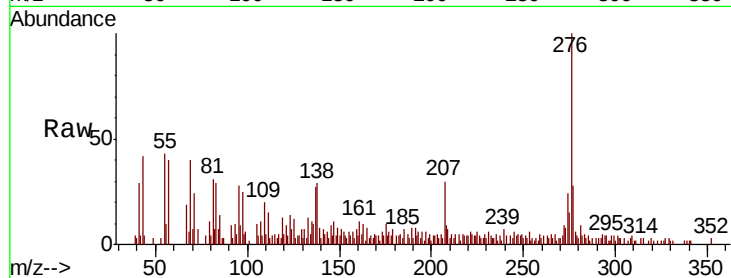
Tot Ion: 276 Resp: 27245

Ion Ratio Lower Upper

276 100

277 27.6 17.9 26.9#

138 29.1 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

