

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092018\
 Data File : BF109197.D
 Acq On : 20 Sep 2018 22:13
 Operator : JU/SJ
 Sample : J4988-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 21 07:12:47 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

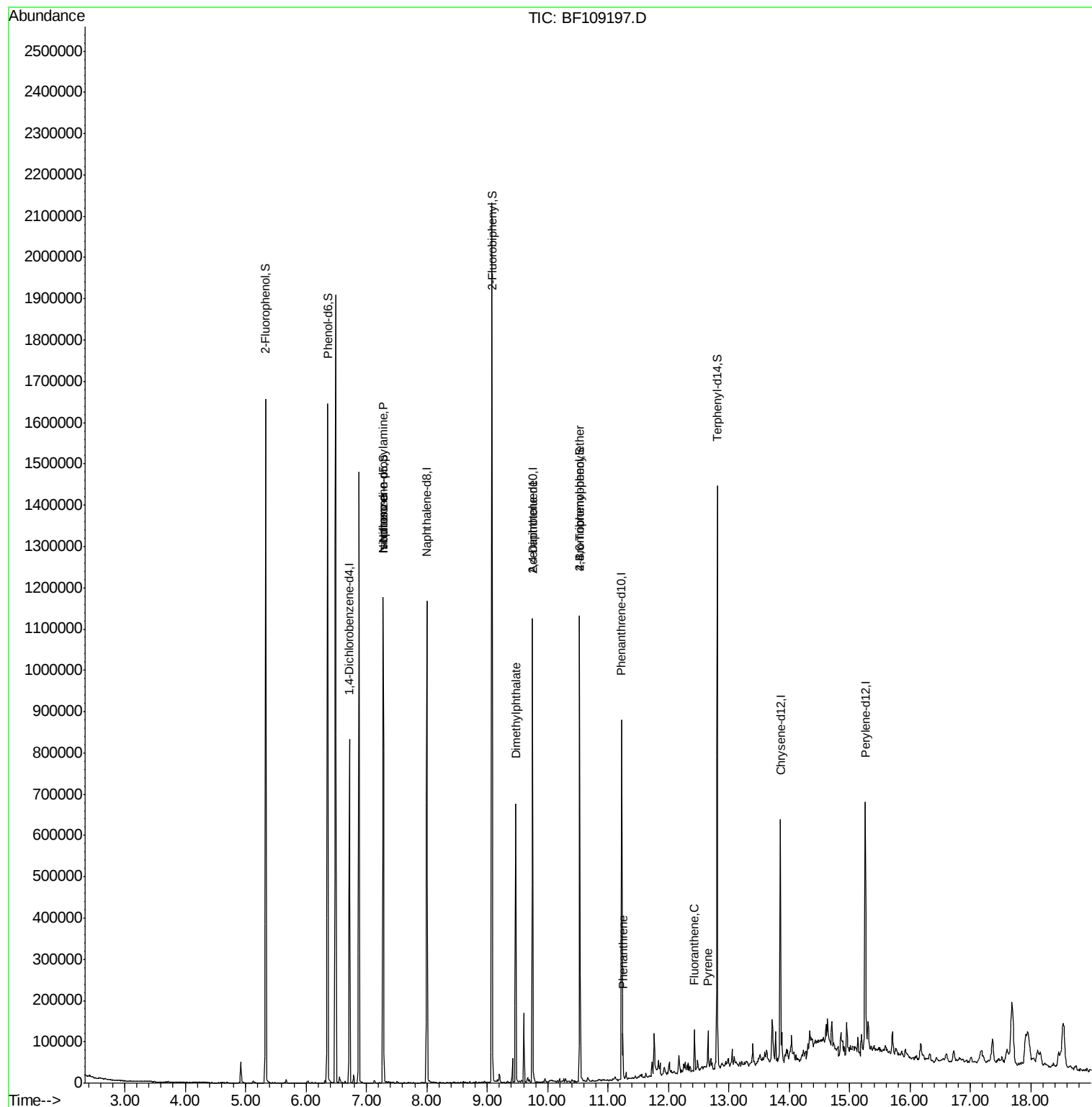
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	102644	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	453461	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	211439	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	329227	20.00	ng	0.00
75) Chrysene-d12	13.85	240	195299	20.00	ng	0.00
86) Perylene-d12	15.26	264	279906	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	446371	72.23	ng	0.00
7) Phenol-d6	6.36	99	577380	72.45	ng	0.00
23) Nitrobenzene-d5	7.28	82	371306	45.93	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	134899	58.79	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	636801	47.19	ng	0.00
78) Terphenyl-d14	12.81	244	420697	51.06	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.28	70	50455	9.579	ng	# 79
25) Isophorone	7.28	82	367823	26.467	ng	# 64
49) Dimethylphthalate	9.47	163	267672	17.712	ng	99
56) 2,4-Dinitrotoluene	9.75	165	27564	6.289	ng	# 22
66) 4-Bromophenyl-phenylether	10.54	248	8370	2.255	ng	# 1
70) Phenanthrene	11.25	178	34782	2.155	ng	100
74) Fluoranthene	12.43	202	36954	2.169	ng	98
77) Pyrene	12.66	202	37837	2.608	ng	97

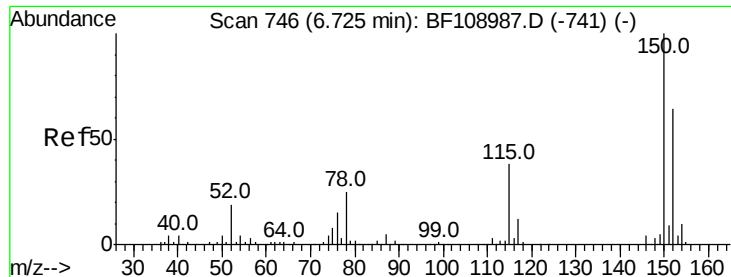
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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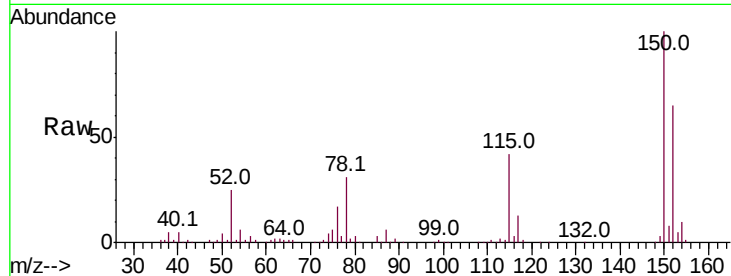


#1

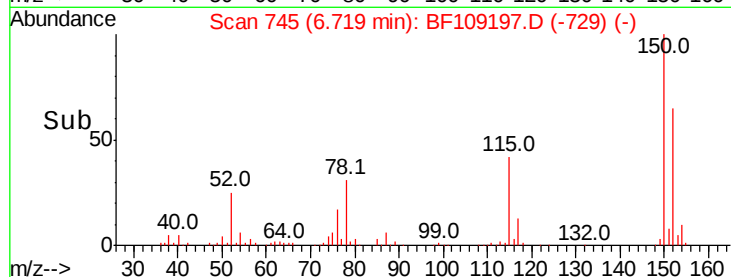
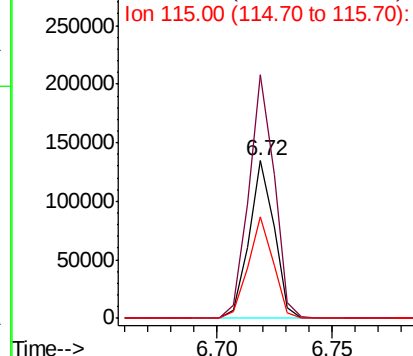
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF109197.D
Acq: 20 Sep 2018 22:13

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 102644
Ion Ratio Lower Upper
152 100
150 154.3 124.6 186.8
115 64.3 50.1 75.1



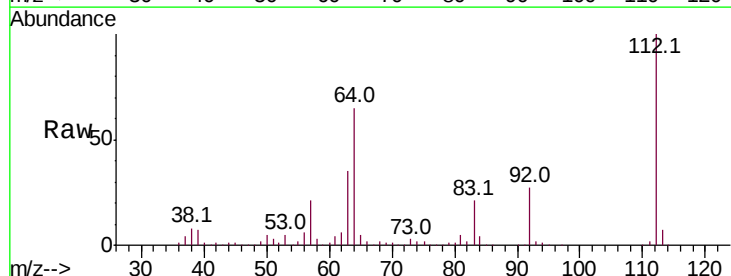
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



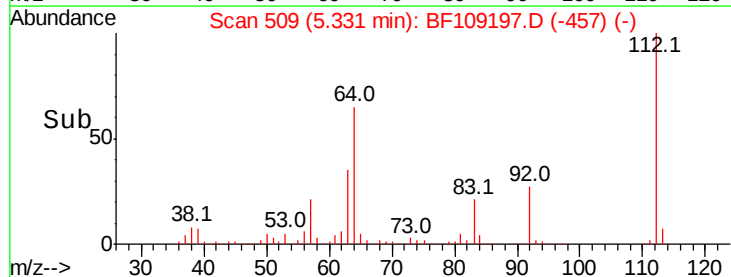
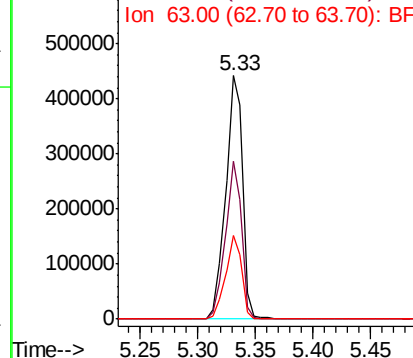
#5

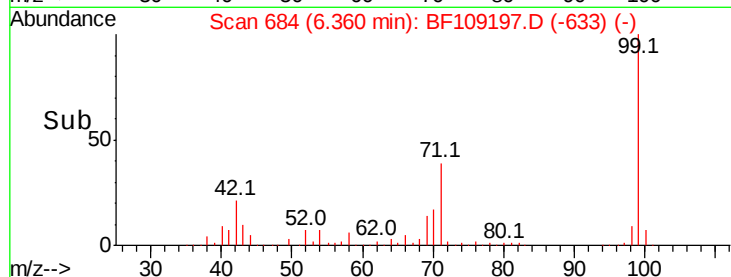
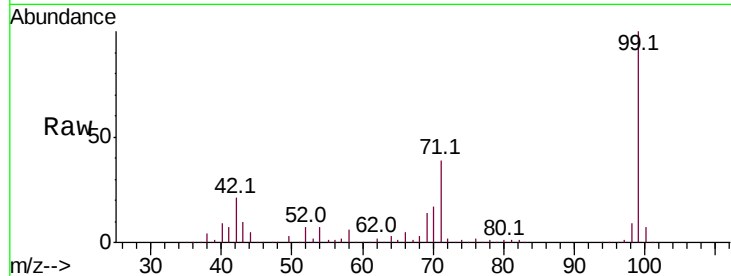
2-Fluorophenol
Concen: 72.227 ng
RT: 5.33 min Scan# 509
Delta R.T. 0.01 min
Lab File: BF109197.D
Acq: 20 Sep 2018 22:13

Tgt Ion:112 Resp: 446371
Ion Ratio Lower Upper
112 100
64 64.8 47.9 71.9
63 34.6 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: 72.454 ng

RT: 6.36 min Scan# 684

Delta R.T. -0.00 min

Lab File: BF109197.D

Acq: 20 Sep 2018 22:13

Instrument :

BNA_F

ClientSampleId :

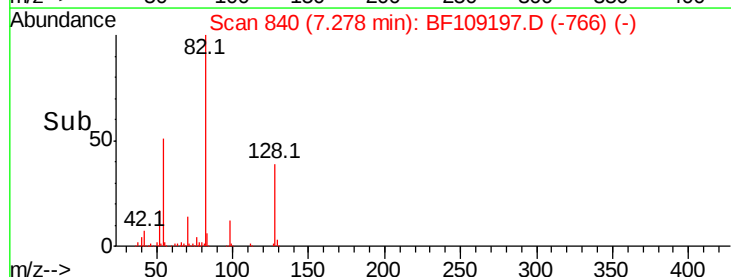
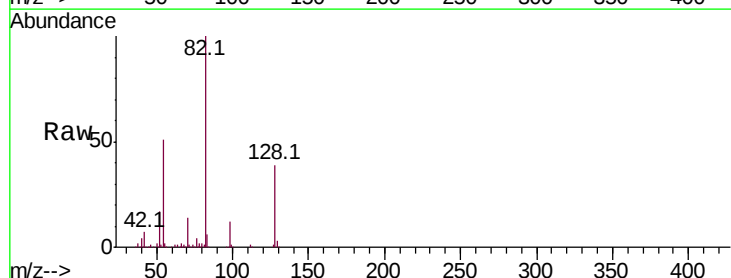
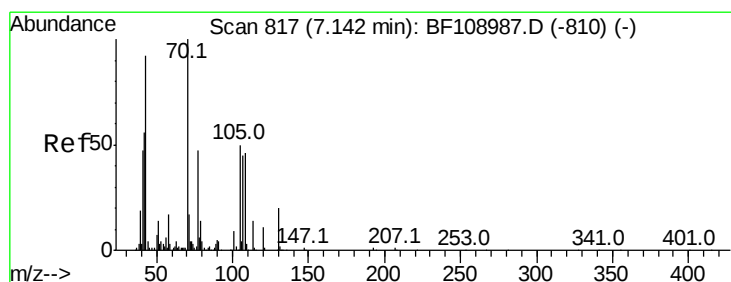
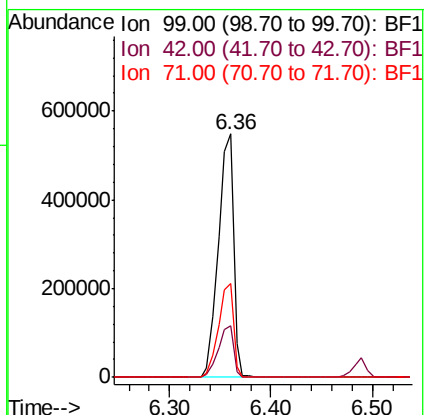
Tot Ion: 99 Resp: 577380

Ion Ratio Lower Upper

99 100

42 21.0 14.5 21.7

71 38.7 25.4 38.0#



#19

n-Nitroso-di-n-propylamine

Concen: 9.579 ng

RT: 7.28 min Scan# 840

Delta R.T. 0.14 min

Lab File: BF109197.D

Acq: 20 Sep 2018 22:13

Tgt Ion: 70 Resp: 50455

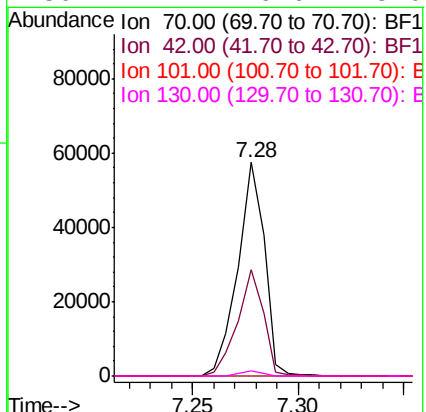
Ion Ratio Lower Upper

70 100

42 49.5 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 963

Delta R.T. -0.01 min

Lab File: BF109197.D

Acq: 20 Sep 2018 22:13

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 453461

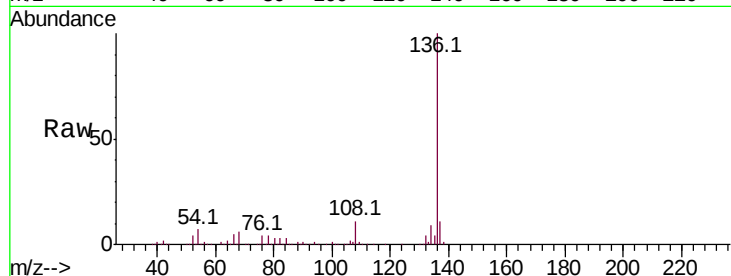
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.4 6.6 9.8

68 5.6 5.0 7.4

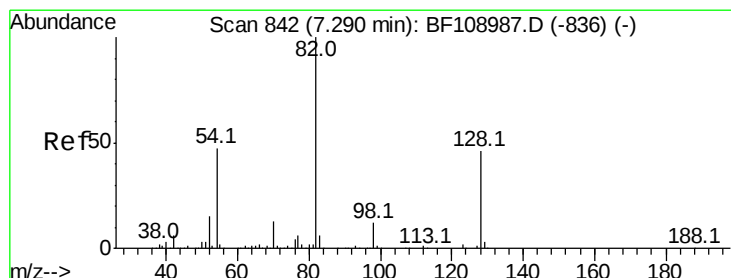
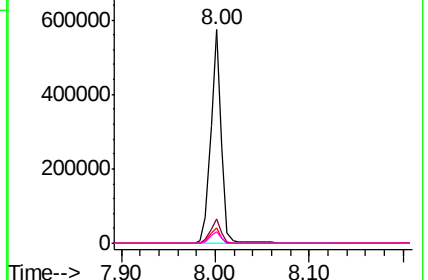
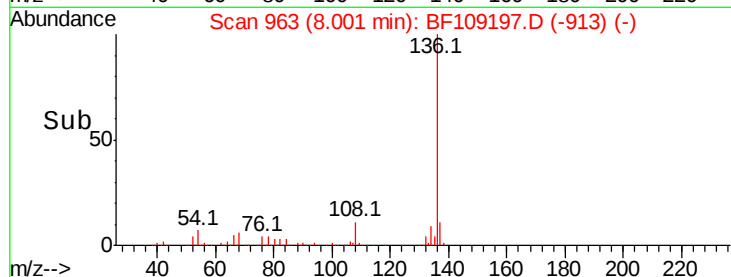


Abundance Ion 136.00 (135.70 to 136.70): E

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: 45.927 ng

RT: 7.28 min Scan# 840

Delta R.T. -0.01 min

Lab File: BF109197.D

Acq: 20 Sep 2018 22:13

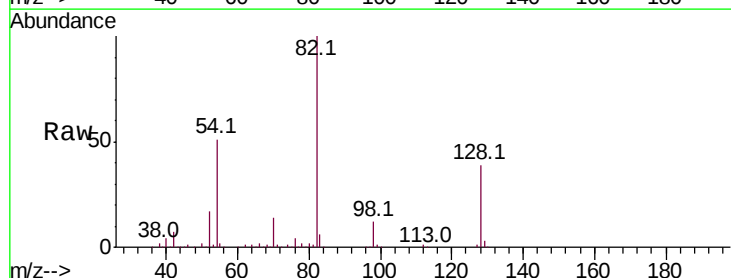
Tgt Ion: 82 Resp: 371306

Ion Ratio Lower Upper

82 100

128 39.4 36.1 54.1

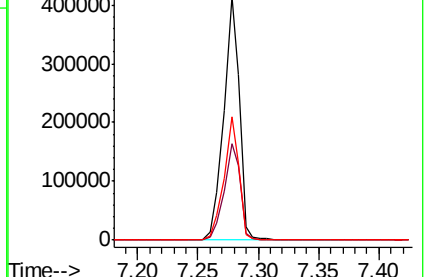
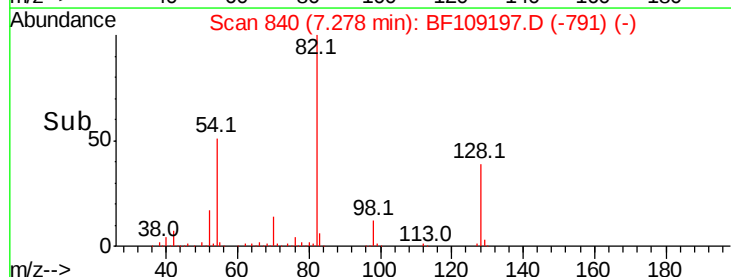
54 50.7 41.4 62.2

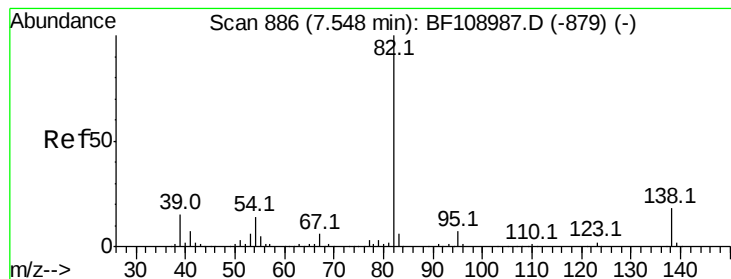


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 26.467 ng

RT: 7.28 min Scan# 840

Delta R.T. -0.27 min

Lab File: BF109197.D

Acq: 20 Sep 2018 22:13

Instrument :

BNA_F

ClientSampleId :

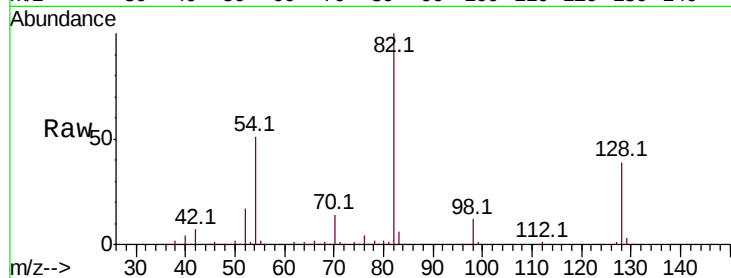
Tot Ion: 82 Resp: 367823

Ion Ratio Lower Upper

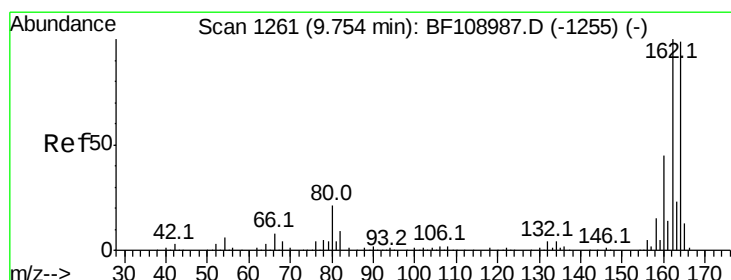
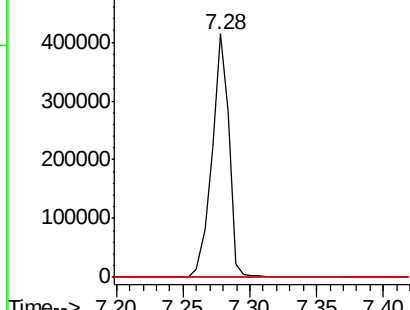
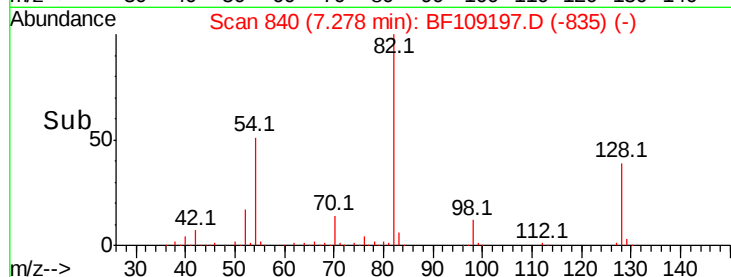
82 100

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: BF109197.D

Acq: 20 Sep 2018 22:13

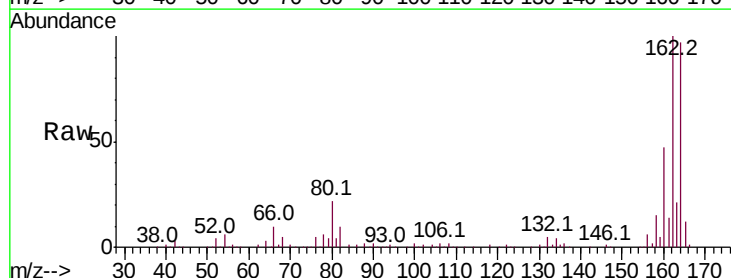
Tgt Ion:164 Resp: 211439

Ion Ratio Lower Upper

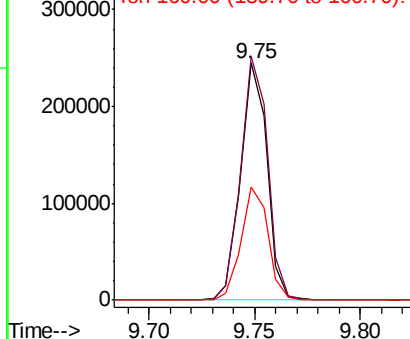
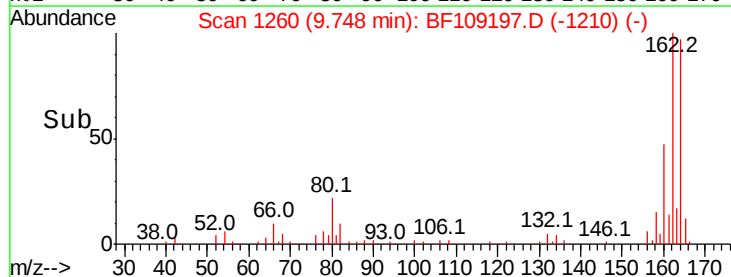
164 100

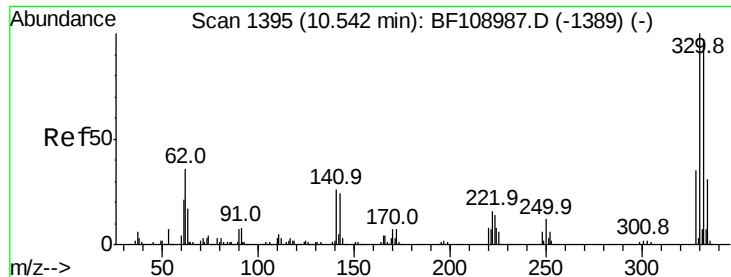
162 102.8 86.1 129.1

160 47.8 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

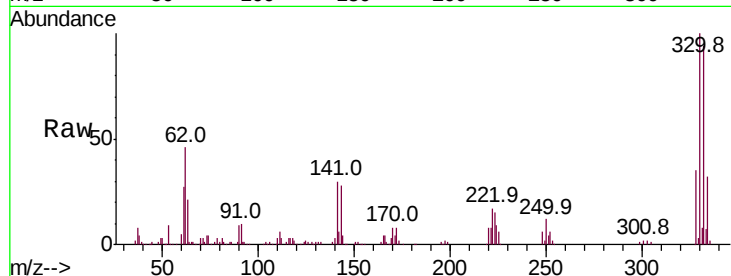




#41
 2,4,6-Tribromophenol
 Concen: 58.788 ng
 RT: 10.54 min Scan# 1394
 Delta R.T. -0.01 min
 Lab File: BF109197.D
 Acq: 20 Sep 2018 22:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.0	115.6
141	35.7	29.9	44.9

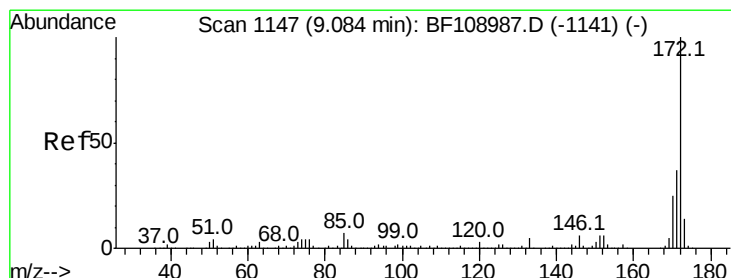
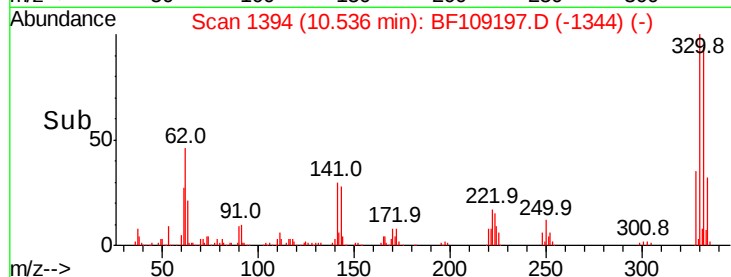
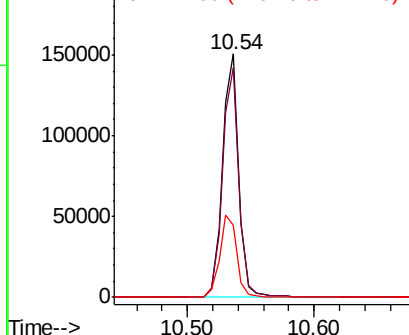


Abundance

Ion 329.80 (329.50 to 330.50): E

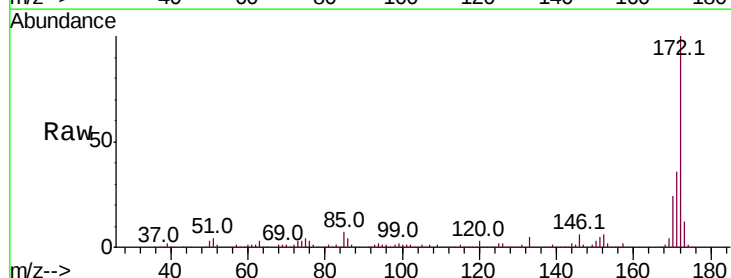
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 47.186 ng
 RT: 9.08 min Scan# 1146
 Delta R.T. -0.01 min
 Lab File: BF109197.D
 Acq: 20 Sep 2018 22:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	24.4	19.6	29.4

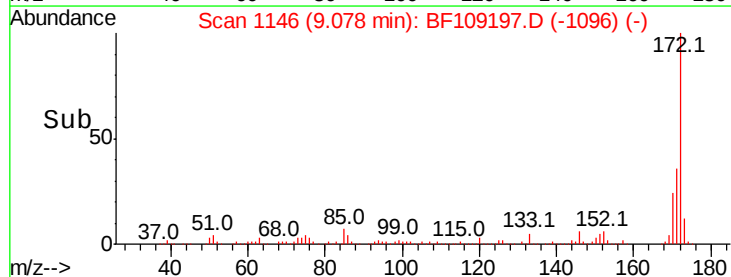
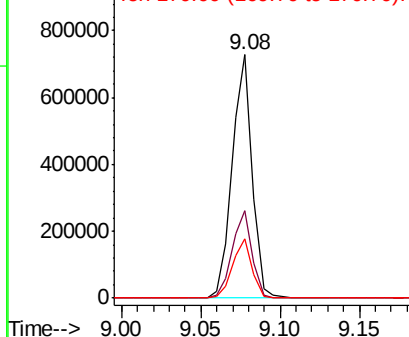


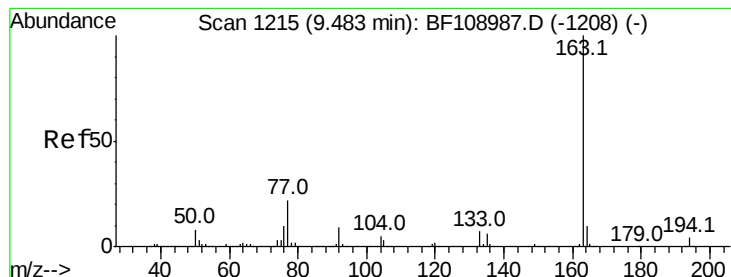
Abundance

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: 17.712 ng

RT: 9.47 min Scan# 1213

Delta R.T. -0.01 min

Lab File: BF109197.D

Acq: 20 Sep 2018 22:13

Instrument :

BNA_F

ClientSampleId :

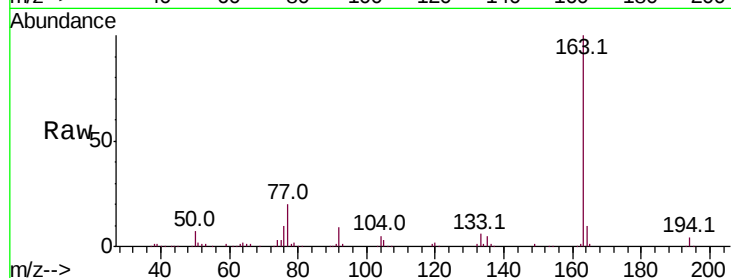
Tot Ion:163 Resp: 267672

Ion Ratio Lower Upper

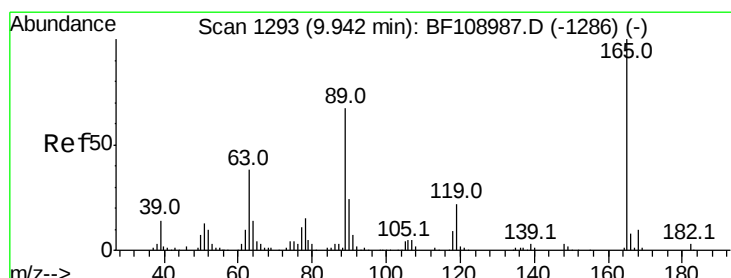
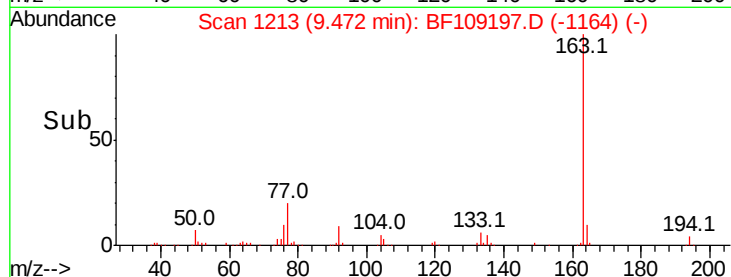
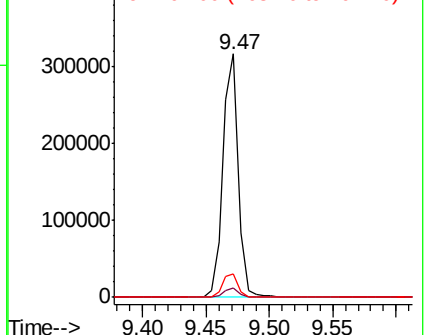
163 100

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



#56

2,4-Dinitrotoluene

Concen: 6.289 ng

RT: 9.75 min Scan# 1260

Delta R.T. -0.19 min

Lab File: BF109197.D

Acq: 20 Sep 2018 22:13

Tgt Ion:165 Resp: 27564

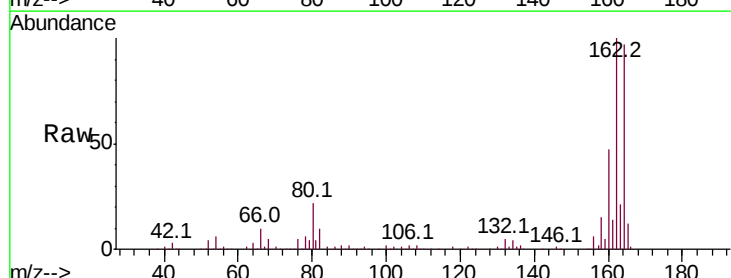
Ion Ratio Lower Upper

165 100

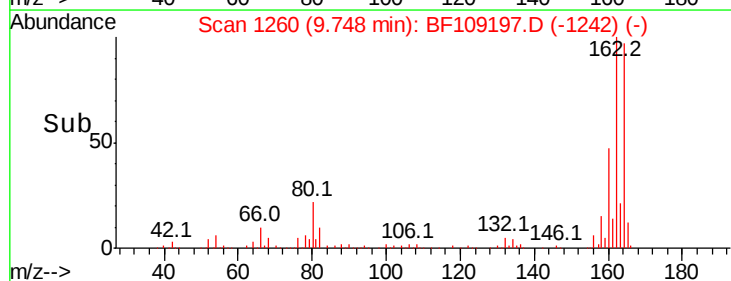
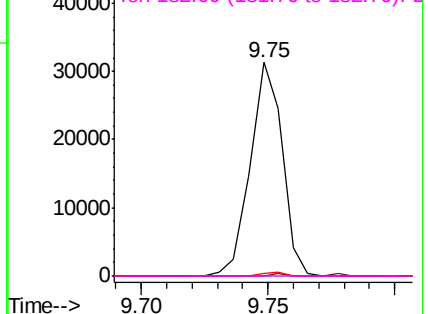
63 0.0 36.4 54.6#

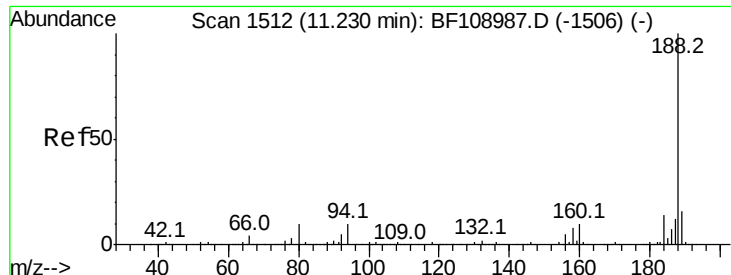
89 1.4 57.8 86.6#

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

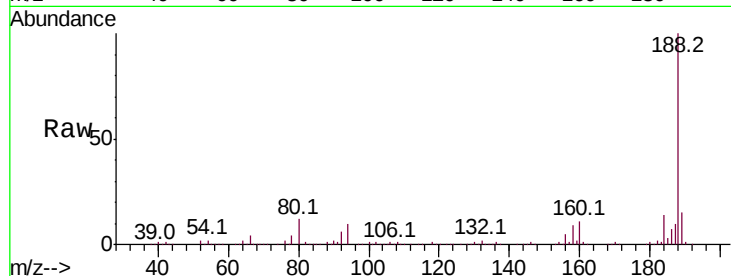




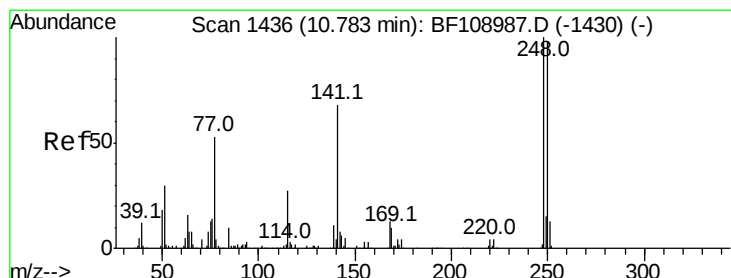
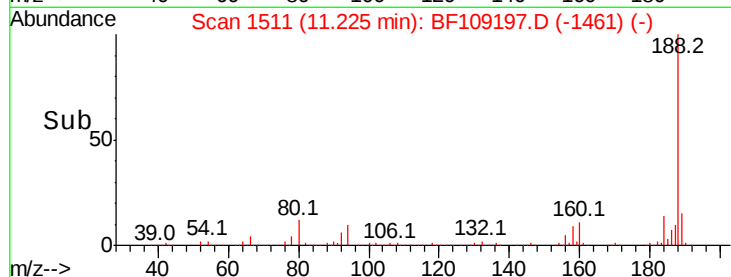
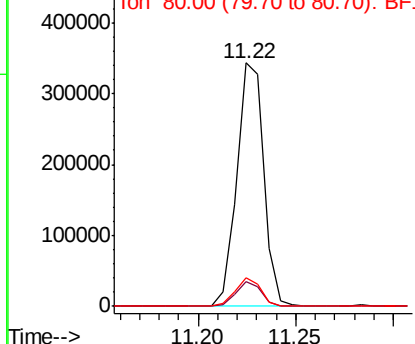
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1511
 Delta R.T. -0.01 min
 Lab File: BF109197.D
 Acq: 20 Sep 2018 22:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.5	12.7
80	11.6	9.2	13.8

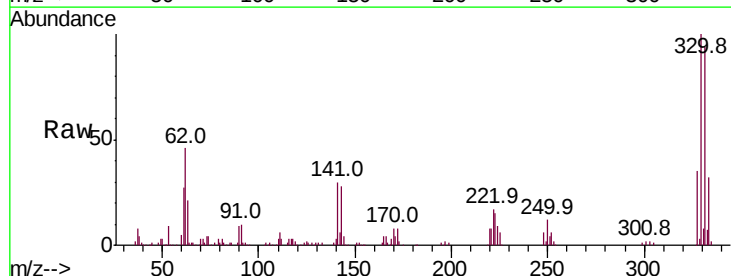


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

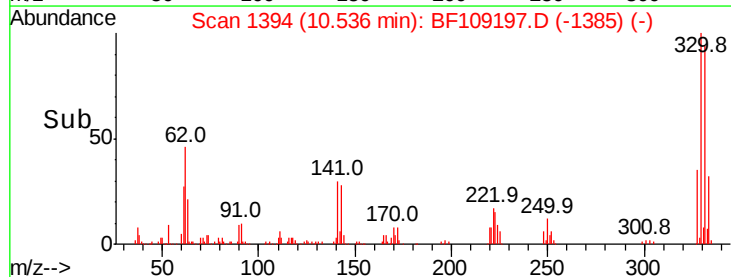
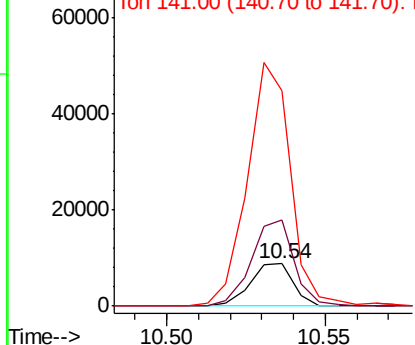


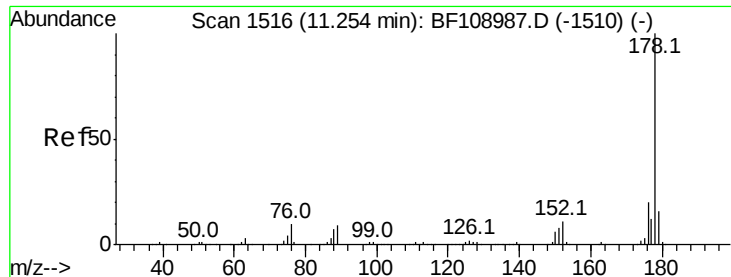
#66
 4-Bromophenyl-phenylether
 Concen: 2.255 ng
 RT: 10.54 min Scan# 1394
 Delta R.T. -0.25 min
 Lab File: BF109197.D
 Acq: 20 Sep 2018 22:13

Tgt Ion	Ratio	Lower	Upper
248	100		
250	201.8	76.9	115.3#
141	507.3	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

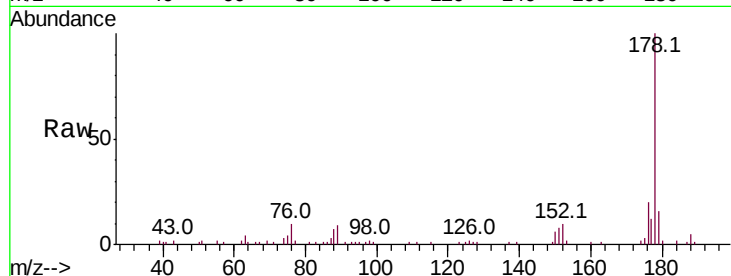




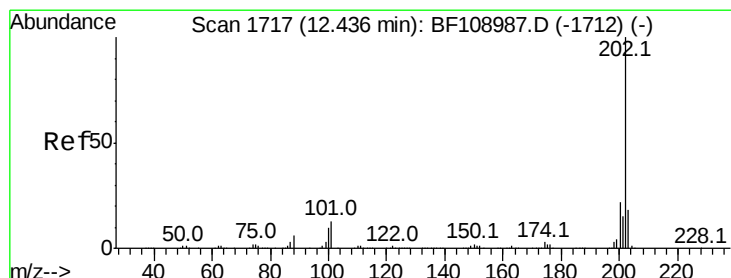
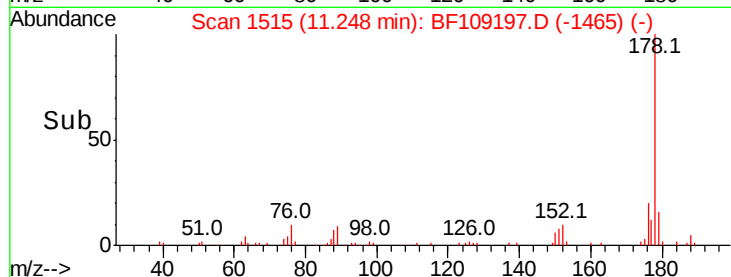
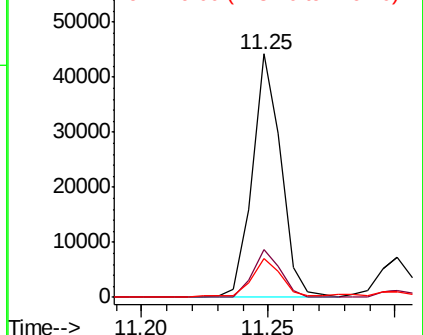
#70
Phenanthrene
Concen: 2.155 ng
RT: 11.25 min Scan# 1515
Delta R.T. -0.01 min
Lab File: BF109197.D
Acq: 20 Sep 2018 22:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 34782
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.8
179 16.1 13.0 19.6

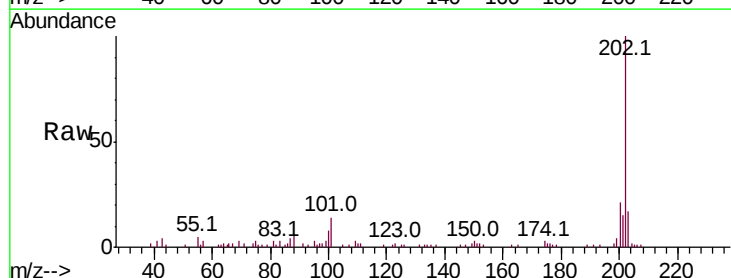


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

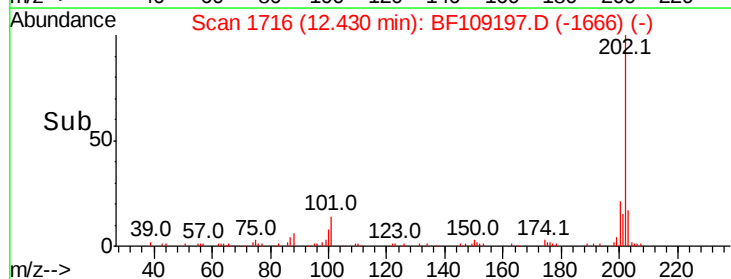
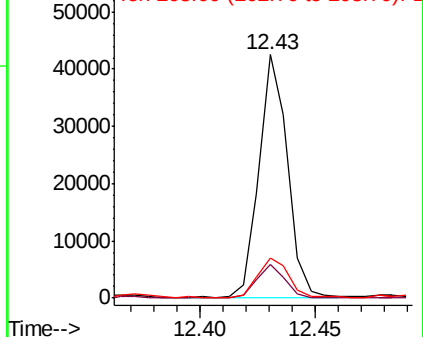


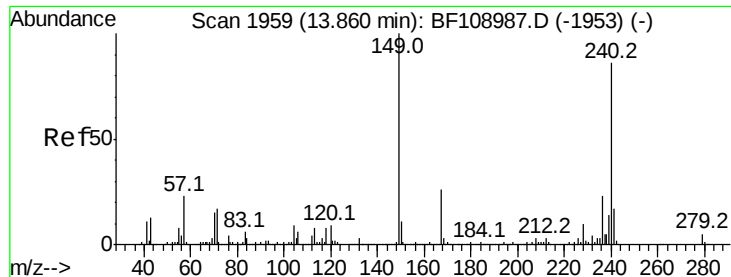
#74
Fluoranthene
Concen: 2.169 ng
RT: 12.43 min Scan# 1716
Delta R.T. -0.01 min
Lab File: BF109197.D
Acq: 20 Sep 2018 22:13

Tgt Ion:202 Resp: 36954
Ion Ratio Lower Upper
202 100
101 14.0 0.0 34.1
203 16.6 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: BF109197.D

Acq: 20 Sep 2018 22:13

Instrument :

BNA_F

ClientSampled :

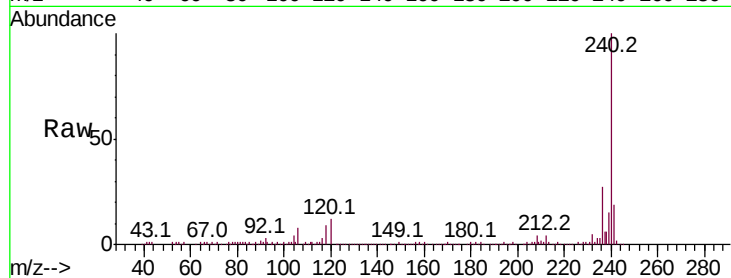
Tot Ion:240 Resp: 195299

Ion Ratio Lower Upper

240 100

120 11.5 9.5 14.3

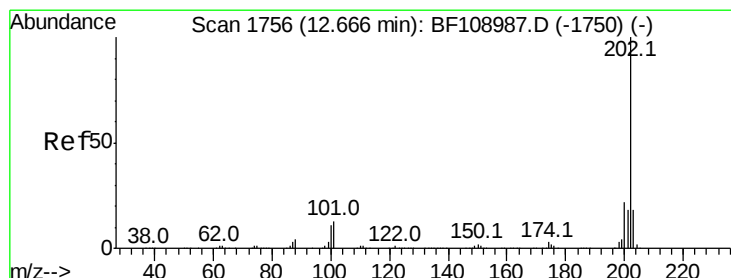
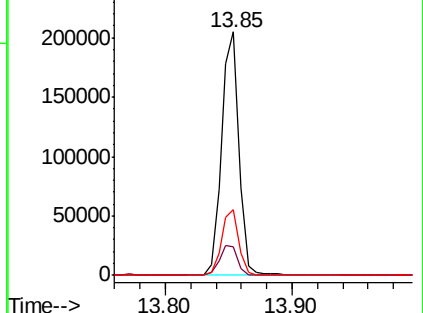
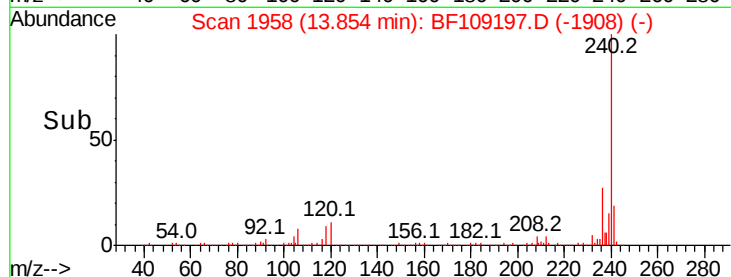
236 26.8 20.7 31.1



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: 2.608 ng

RT: 12.66 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF109197.D

Acq: 20 Sep 2018 22:13

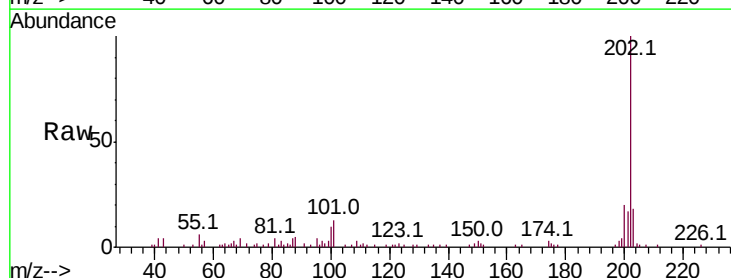
Tgt Ion:202 Resp: 37837

Ion Ratio Lower Upper

202 100

200 19.7 17.4 26.2

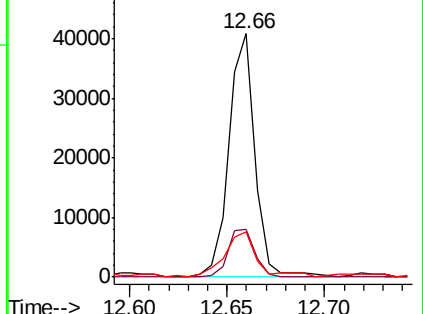
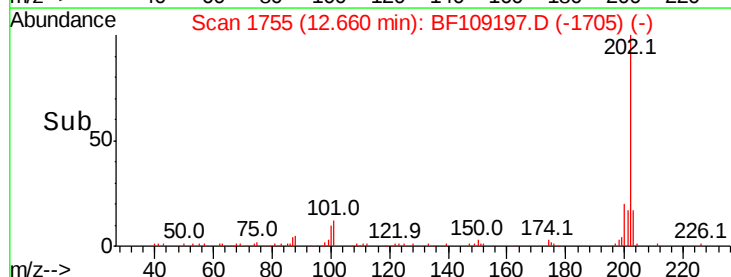
203 18.4 14.3 21.5

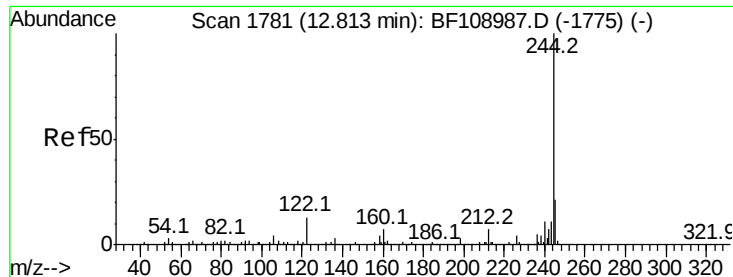


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 51.058 ng

RT: 12.81 min Scan# 1780

Delta R.T. -0.01 min

Lab File: BF109197.D

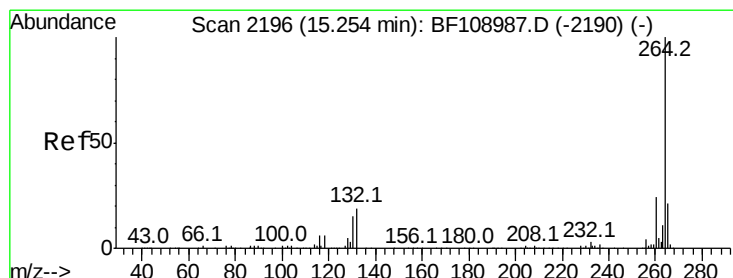
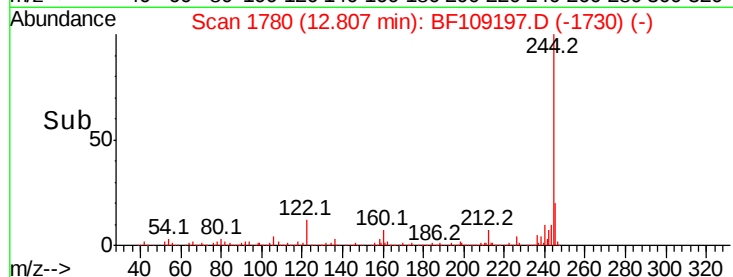
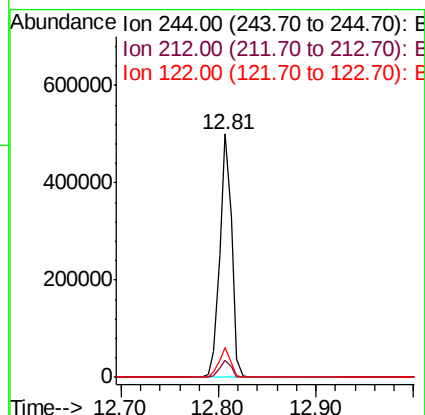
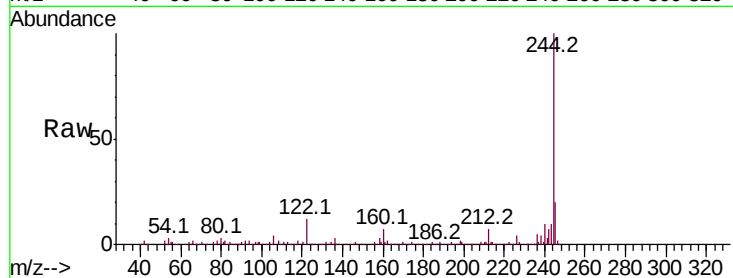
Acq: 20 Sep 2018 22:13

Instrument :

BNA_F

ClientSampleId :

Tot Ion:244	Resp:	420697
Ion Ratio	Lower	Upper
244	100	
212	7.2	5.4 8.0
122	12.1	11.0 16.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.26 min Scan# 2197

Delta R.T. 0.01 min

Lab File: BF109197.D

Acq: 20 Sep 2018 22:13

Tgt Ion:264	Resp:	279906
Ion Ratio	Lower	Upper
264	100	
260	24.6	19.2 28.8
265	20.5	17.5 26.3

