

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092718\
 Data File : BF109380.D
 Acq On : 27 Sep 2018 12:17
 Operator : JU/SJ
 Sample : J4773-13RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 27 13:49:16 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

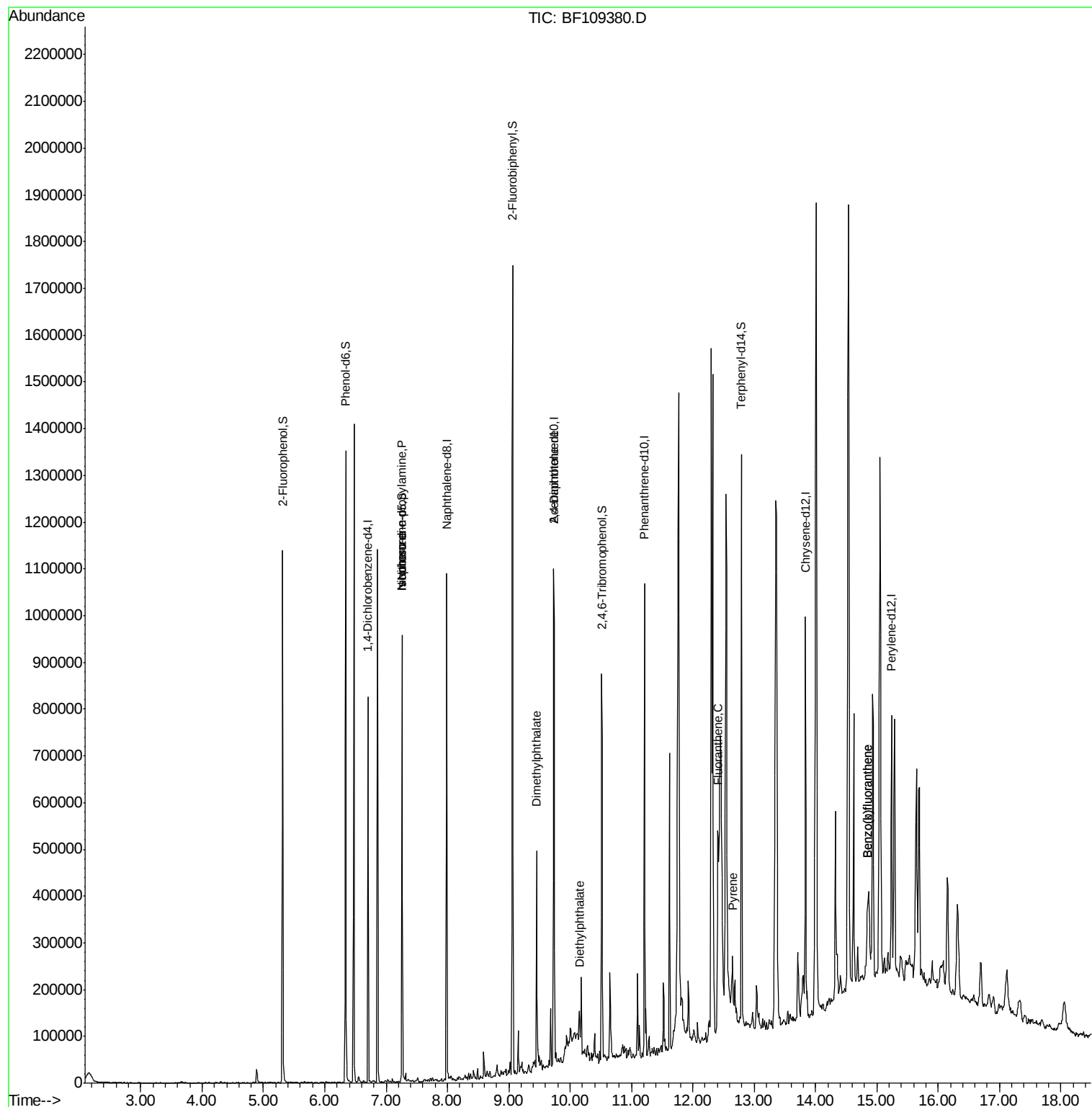
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	109551	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	419267	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	204146	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	367061	20.00	ng	0.00
75) Chrysene-d12	13.84	240	264971	20.00	ng	0.00
86) Perylene-d12	15.24	264	272677	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	326876	49.15	ng	0.00
7) Phenol-d6	6.34	99	427746	50.40	ng	-0.02
23) Nitrobenzene-d5	7.26	82	268798	37.85	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	93511	46.47	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	488051	36.06	ng	-0.01
78) Terphenyl-d14	12.79	244	384609	35.62	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.26	70	35048	6.302	ng	# 78
25) Isophorone	7.26	82	247555	19.356	ng	# 64
49) Dimethylphthalate	9.46	163	160419	10.804	ng	98
56) 2,4-Dinitrotoluene	9.73	165	26902	7.230	ng	# 23
59) Diethylphthalate	10.15	149	34190	2.274	ng	95
74) Fluoranthene	12.42	202	47178	2.409	ng	96
77) Pyrene	12.64	202	44269	2.331	ng	100
87) Benzo(b)fluoranthene	14.84	252	33511	2.237	ng	# 83
88) Benzo(k)fluoranthene	14.84	252	33511	2.357	ng	# 86

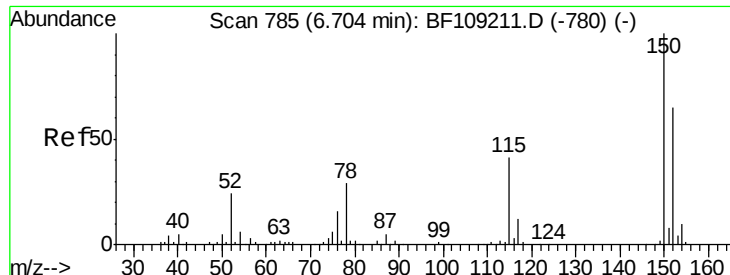
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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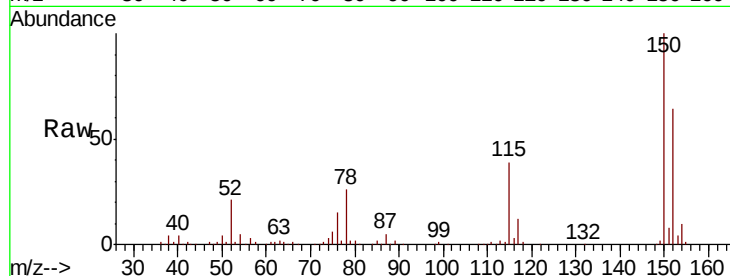


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109380.D
Acq: 27 Sep 2018 12:17

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.6	186.8
115	61.5	50.1	75.1

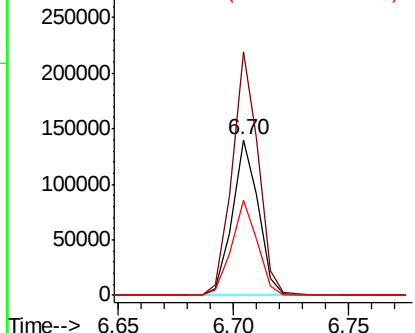
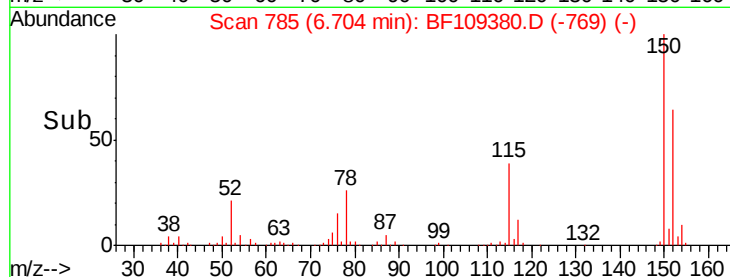


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

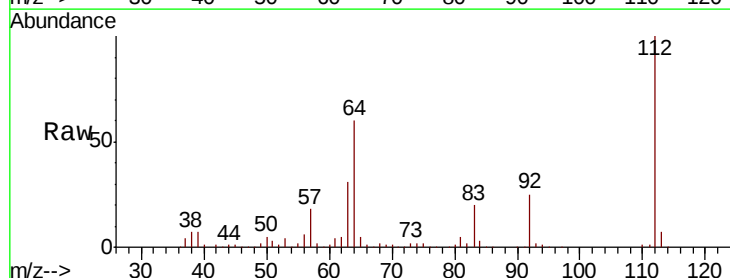
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 49.145 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF109380.D
Acq: 27 Sep 2018 12:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.6	47.9	71.9
63	31.3	23.7	35.5

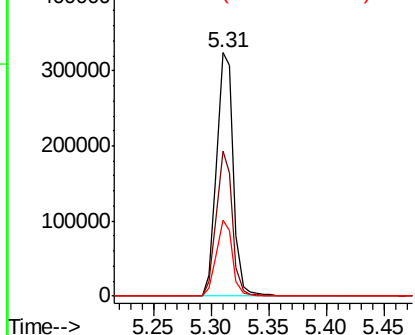
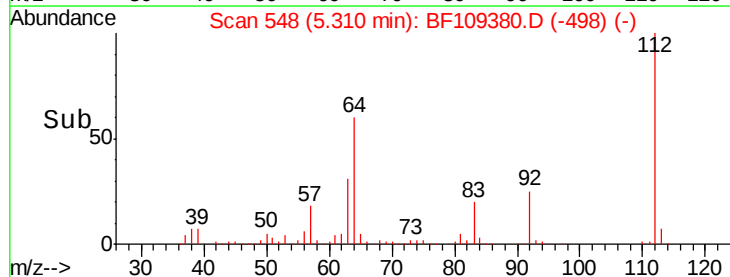


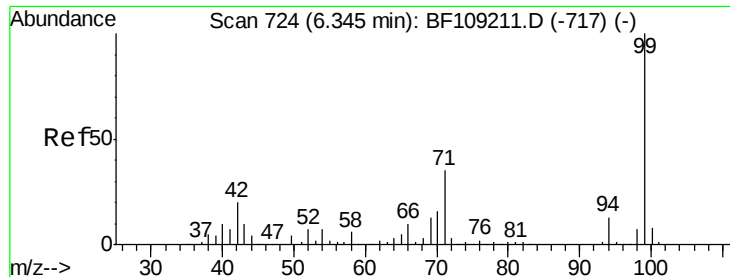
Abundance

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: 50.399 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109380.D

Acq: 27 Sep 2018 12:17

Instrument :

BNA_F

ClientSampled :

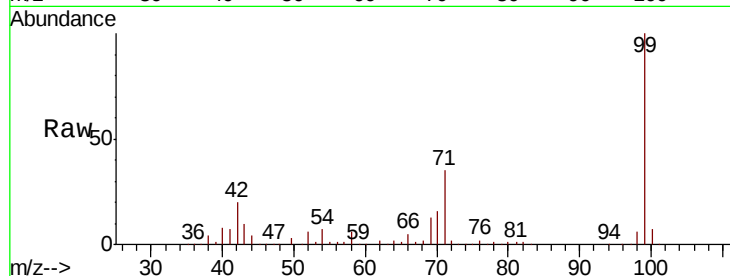
Tot Ion: 99 Resp: 427746

Ion Ratio Lower Upper

99 100

42 19.7 14.5 21.7

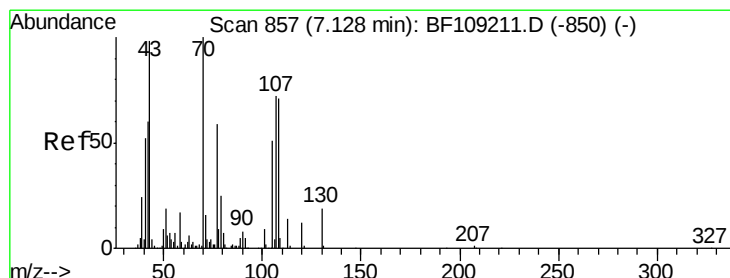
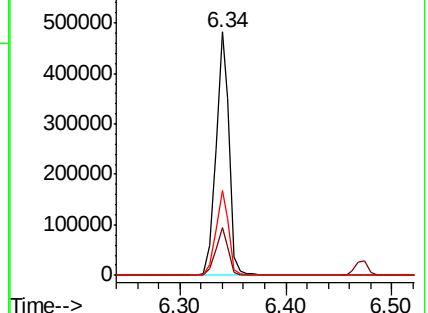
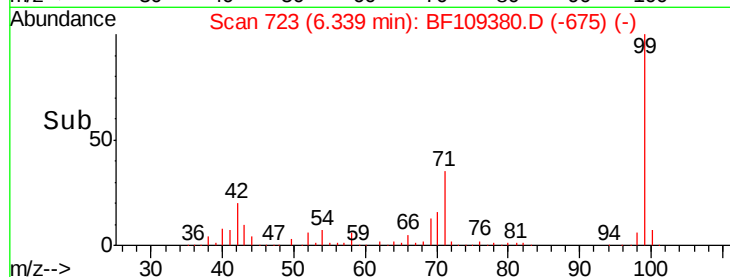
71 34.8 25.4 38.0



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: 6.302 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.12 min

Lab File: BF109380.D

Acq: 27 Sep 2018 12:17

Tgt Ion: 70 Resp: 35048

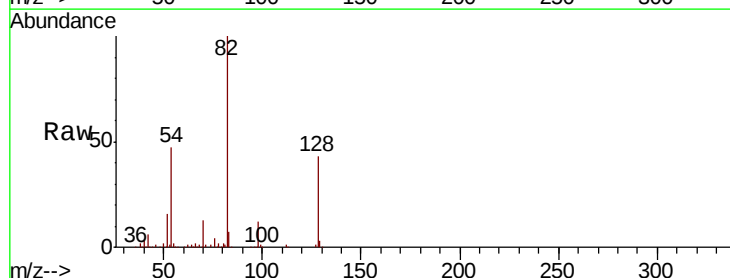
Ion Ratio Lower Upper

70 100

42 48.2 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

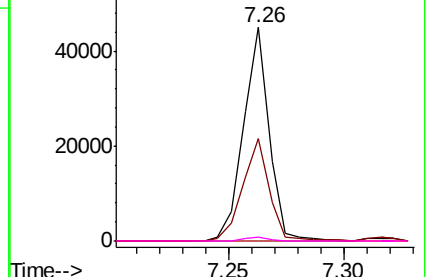
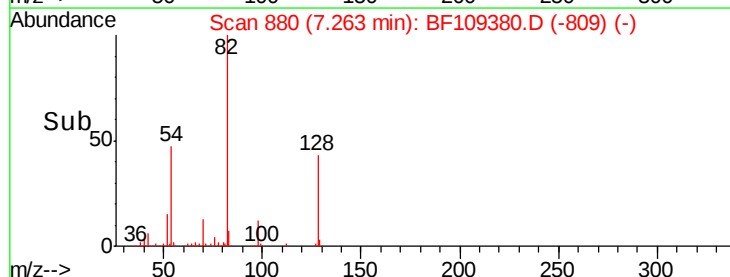


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF109380.D

Acq: 27 Sep 2018 12:17

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 419267

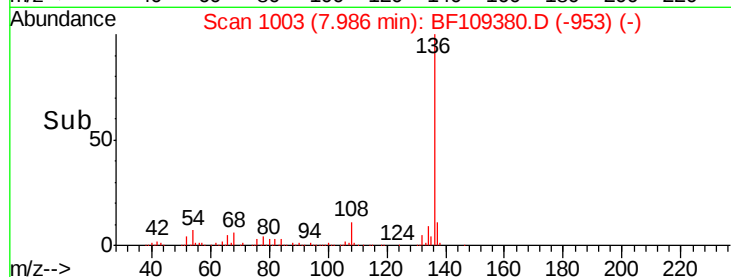
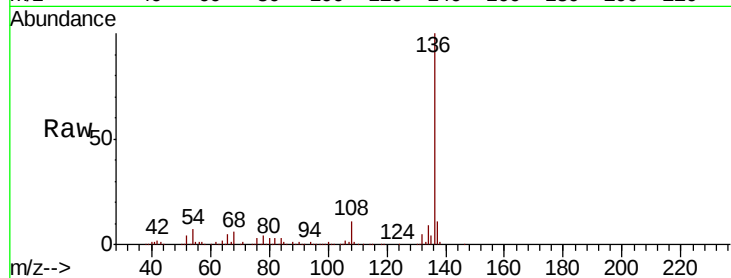
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 7.0 6.6 9.8

68 5.7 5.0 7.4

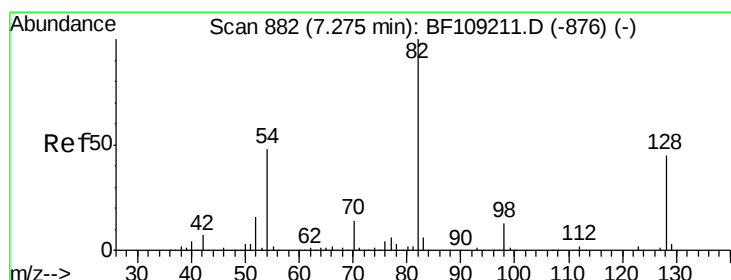
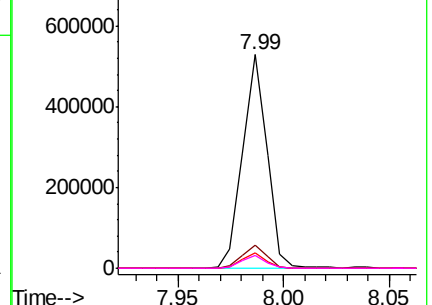


Abundance Ion 136.00 (135.70 to 136.70): E

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: 37.846 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF109380.D

Acq: 27 Sep 2018 12:17

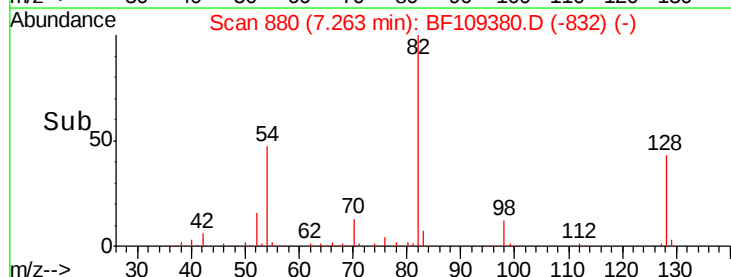
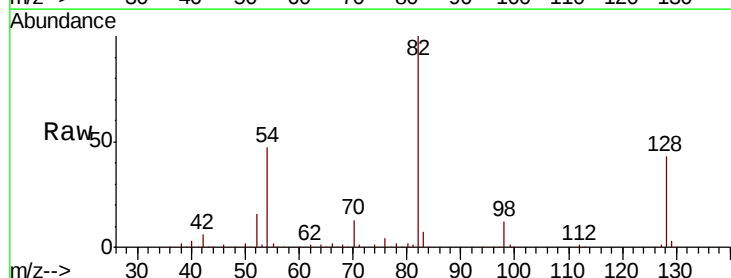
Tgt Ion: 82 Resp: 268798

Ion Ratio Lower Upper

82 100

128 42.6 36.1 54.1

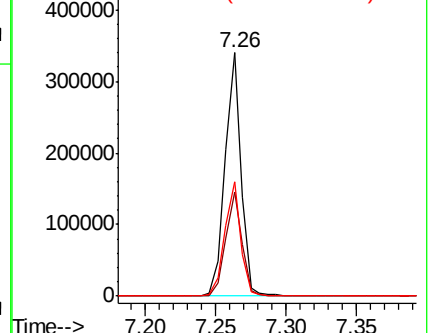
54 46.8 41.4 62.2

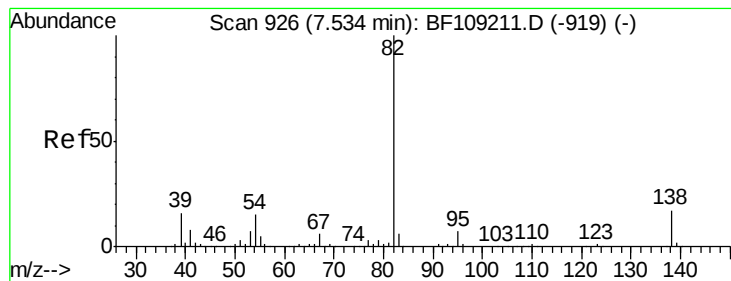


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 19.356 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF109380.D

Acq: 27 Sep 2018 12:17

Instrument :

BNA_F

ClientSampled :

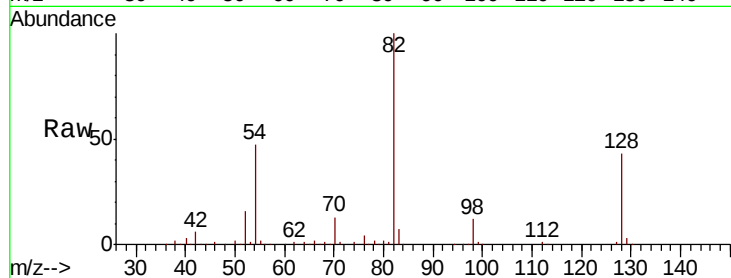
Tot Ion: 82 Resp: 247555

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

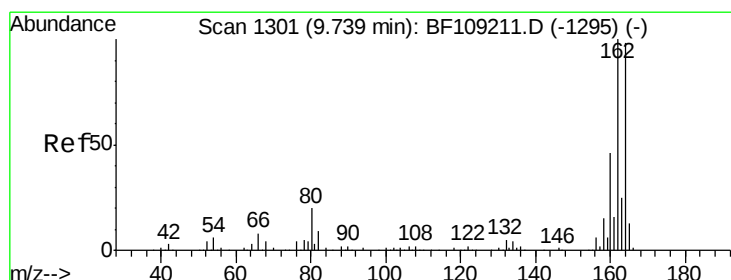
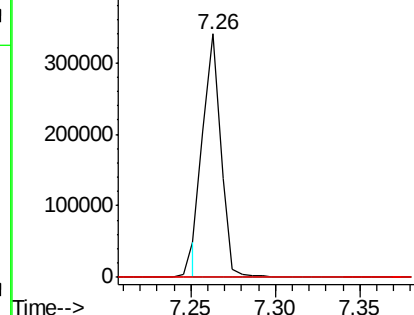
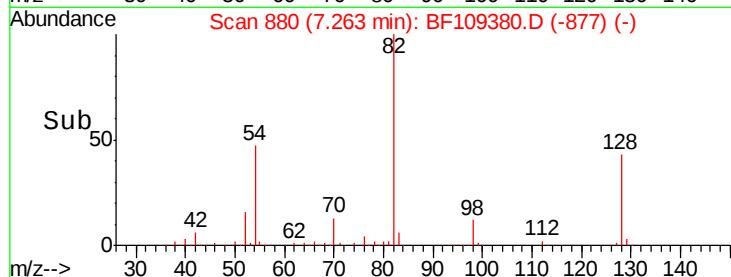
138 0.0 14.9 22.3#



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: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF109380.D

Acq: 27 Sep 2018 12:17

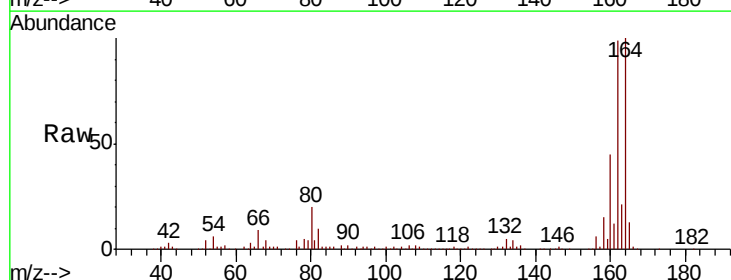
Tgt Ion: 164 Resp: 204146

Ion Ratio Lower Upper

164 100

162 99.5 86.1 129.1

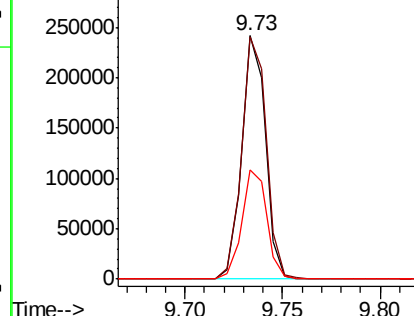
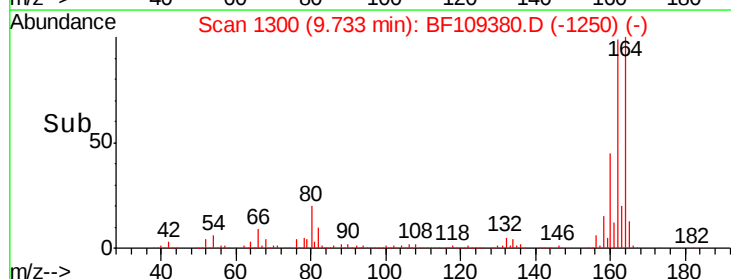
160 44.8 38.3 57.5

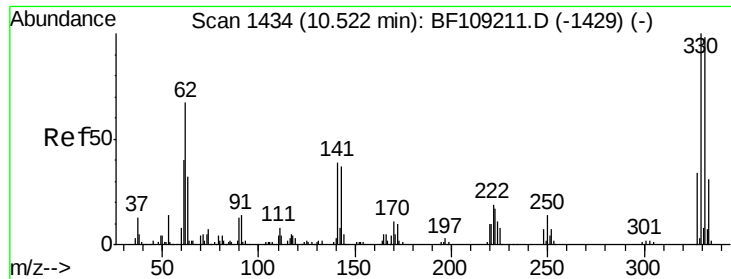


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

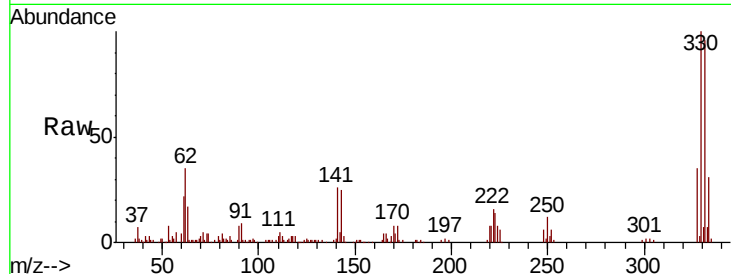




#41
 2,4,6-Tribromophenol
 Concen: 46.466 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109380.D
 Acq: 27 Sep 2018 12:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.0	115.6
141	35.1	29.9	44.9

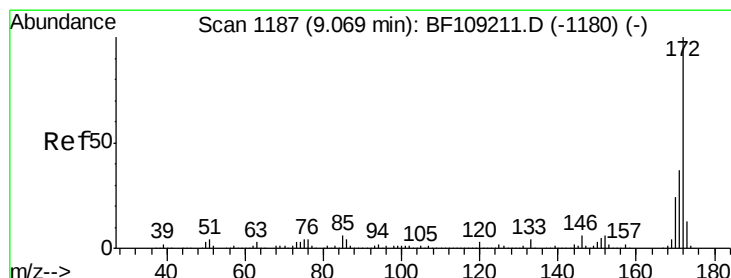
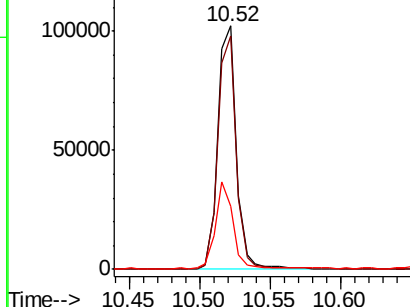
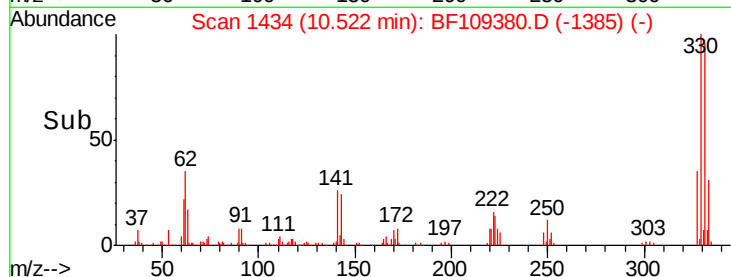


Abundance

Ion 329.80 (329.50 to 330.50): E

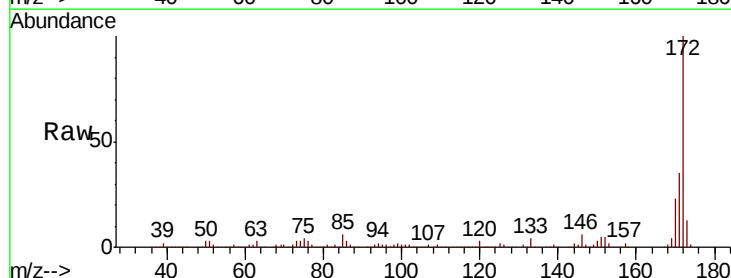
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 36.056 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109380.D
 Acq: 27 Sep 2018 12:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.7	44.5
170	23.0	19.6	29.4

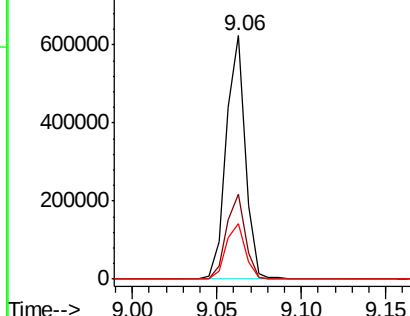
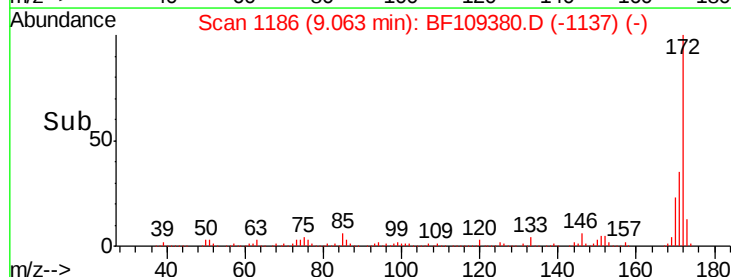


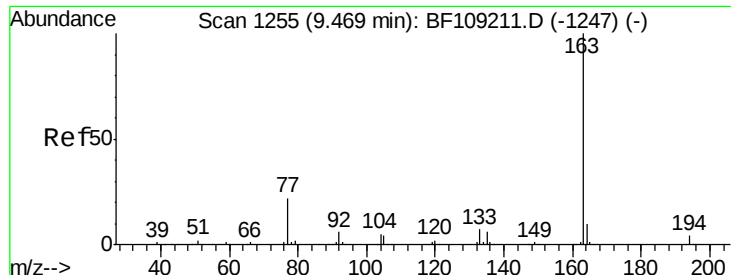
Abundance

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

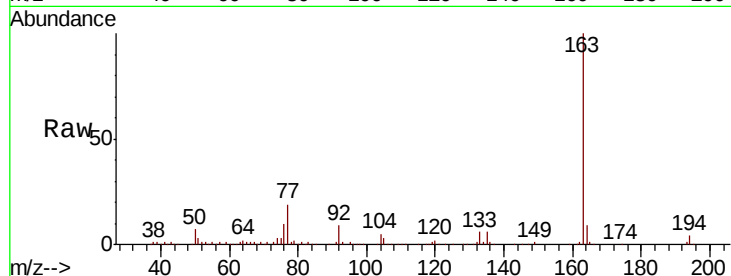




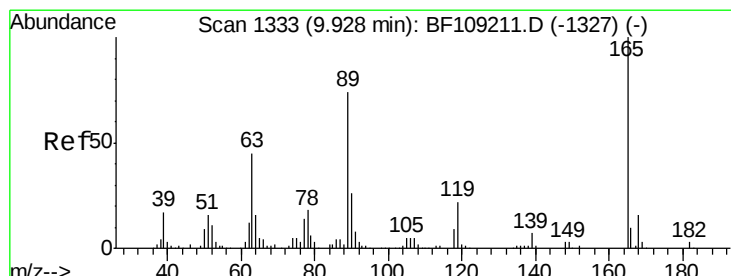
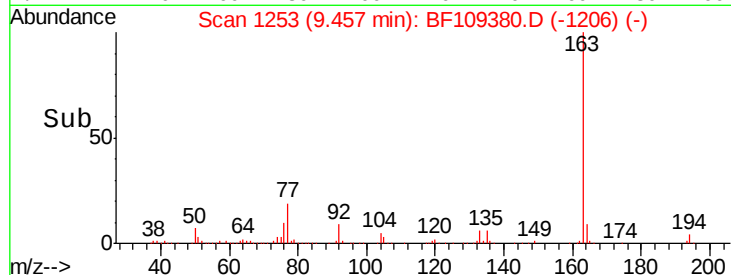
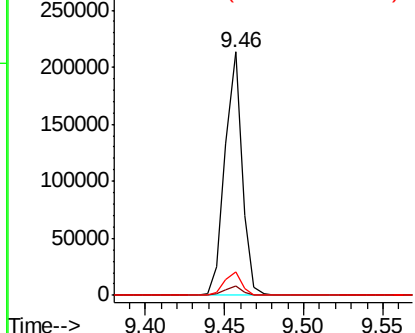
#49
Dimethylphthalate
Concen: 10.804 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109380.D
Acq: 27 Sep 2018 12:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.7	4.1
164	9.5	8.2	12.2



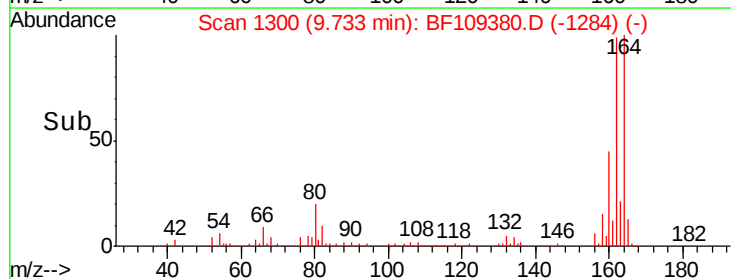
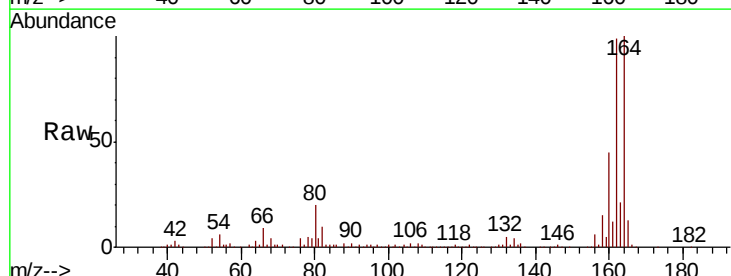
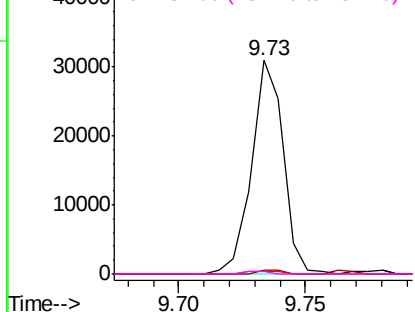
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

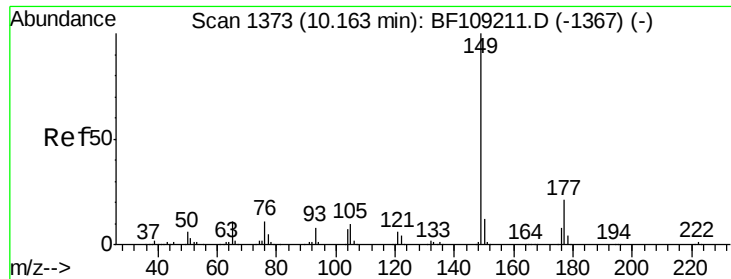


#56
2,4-Dinitrotoluene
Concen: 7.230 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.21 min
Lab File: BF109380.D
Acq: 27 Sep 2018 12:17

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	1.3	57.8	86.6#
182	1.0	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

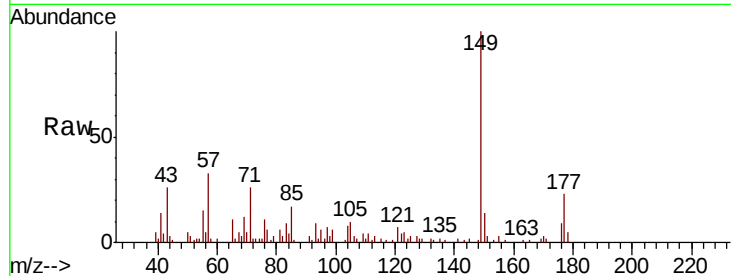




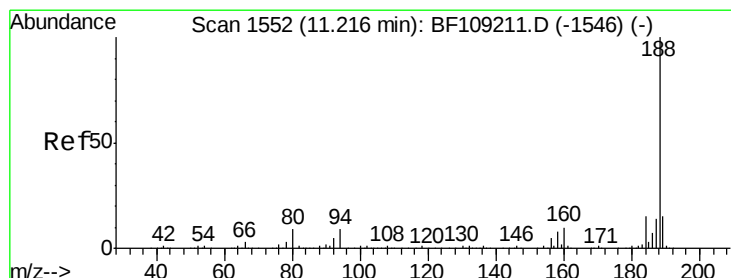
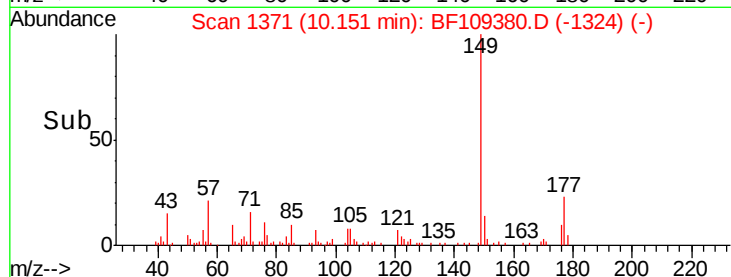
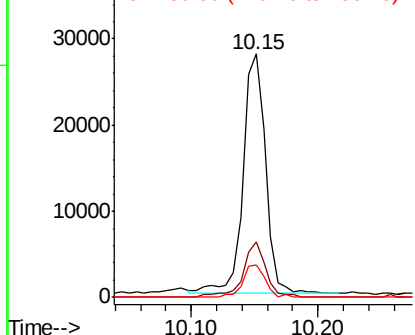
#59
Diethylphthalate
Concen: 2.274 ng
RT: 10.15 min Scan# 1371
Delta R.T. -0.02 min
Lab File: BF109380.D
Acq: 27 Sep 2018 12:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 34190
Ion Ratio Lower Upper
149 100
177 22.8 16.1 24.1
150 13.5 10.1 15.1

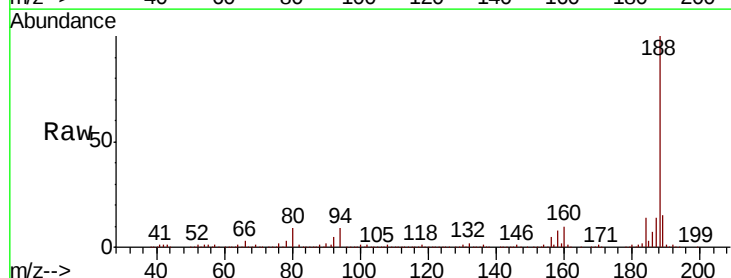


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

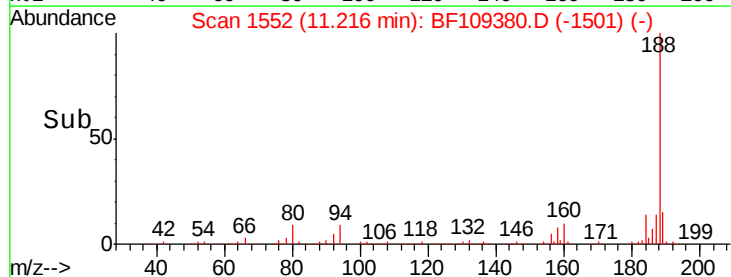
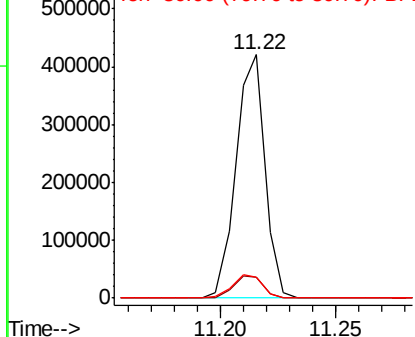


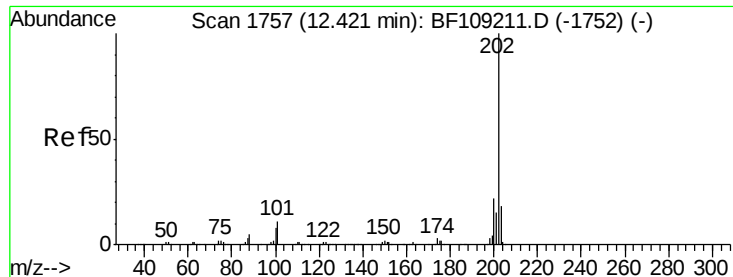
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1552
Delta R.T. 0.00 min
Lab File: BF109380.D
Acq: 27 Sep 2018 12:17

Tgt Ion:188 Resp: 367061
Ion Ratio Lower Upper
188 100
94 8.6 8.5 12.7
80 8.7 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





#74

Fluoranthene

Concen: 2.409 ng

RT: 12.42 min Scan# 1756

Delta R.T. -0.01 min

Lab File: BF109380.D

Acq: 27 Sep 2018 12:17

Instrument :

BNA_F

ClientSampleId :

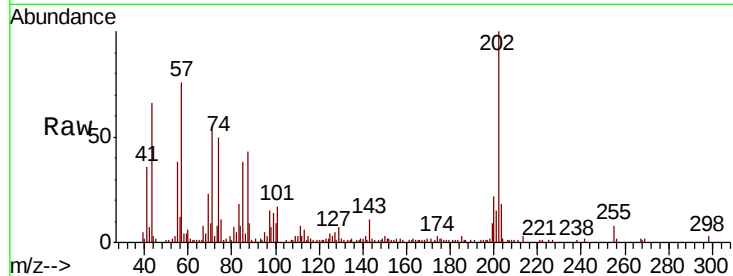
Tot Ion:202 Resp: 47178

Ion Ratio Lower Upper

202 100

101 17.3 0.0 34.1

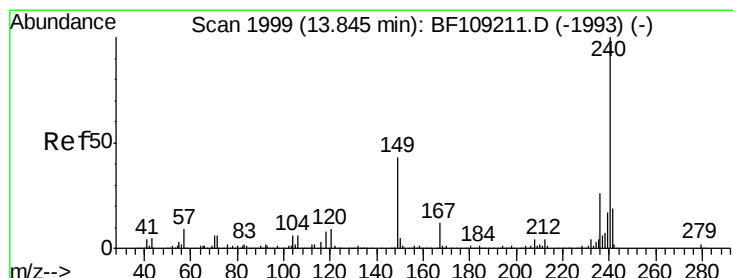
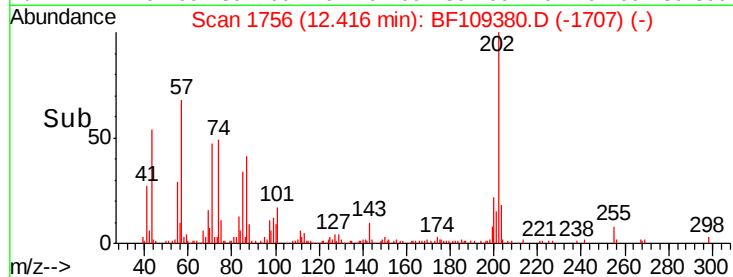
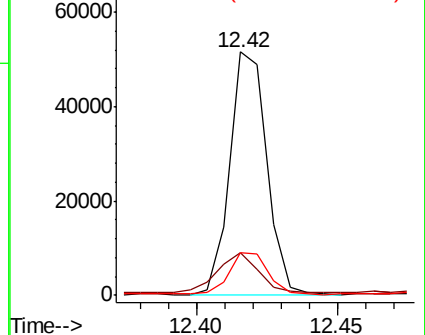
203 17.5 0.0 38.1



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: BF109380.D

Acq: 27 Sep 2018 12:17

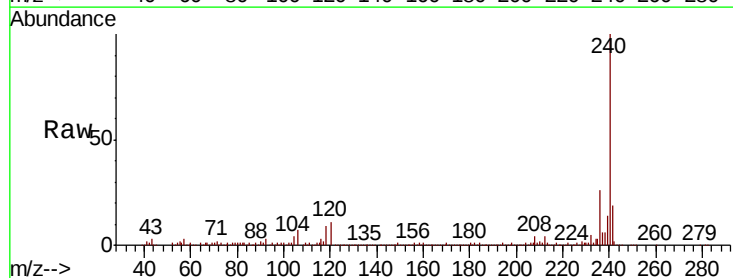
Tgt Ion:240 Resp: 264971

Ion Ratio Lower Upper

240 100

120 11.0 9.5 14.3

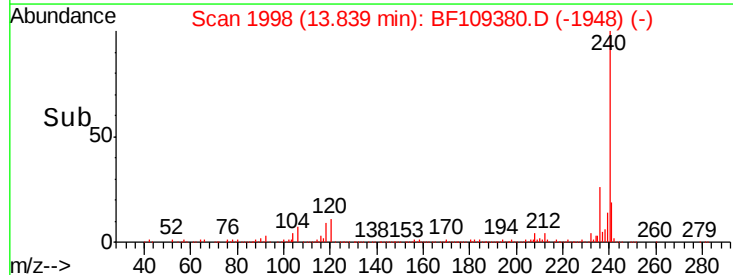
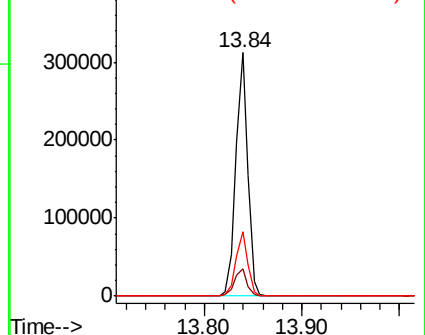
236 26.2 20.7 31.1

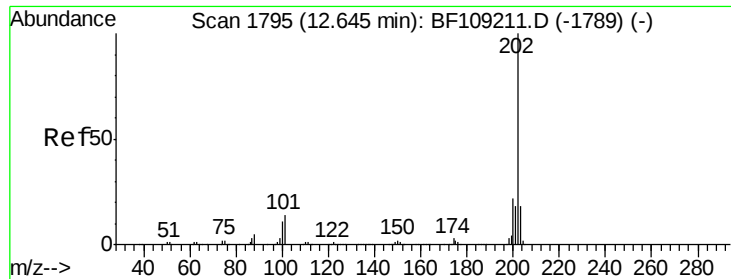


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

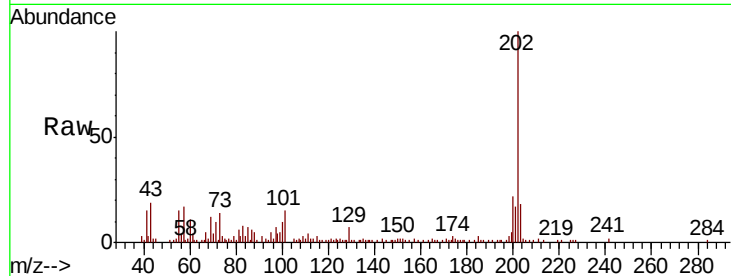




#77
Pvrene
Concen: 2.331 ng
RT: 12.64 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BF109380.D
Acq: 27 Sep 2018 12:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	18.0	14.3	21.5

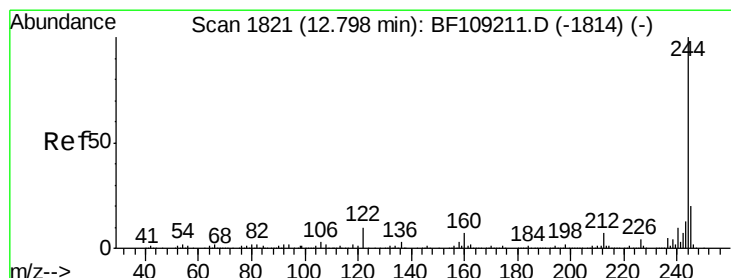
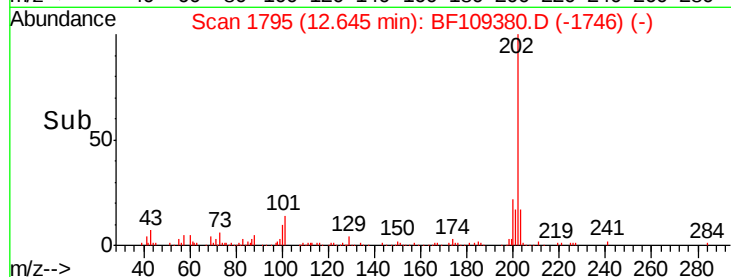
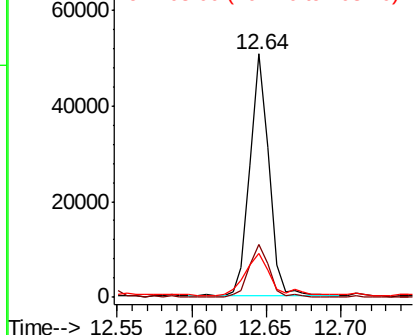


Abundance

Ion 202.00 (201.70 to 202.70): E

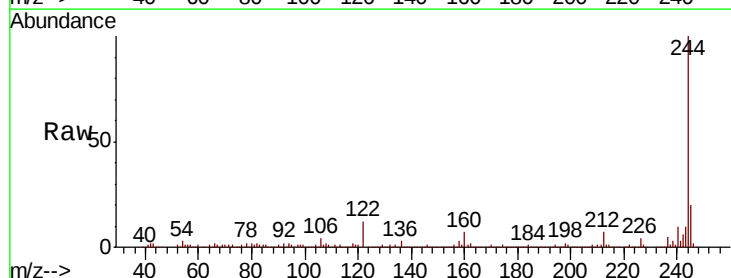
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78
Terphenyl-d14
Concen: 35.623 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BF109380.D
Acq: 27 Sep 2018 12:17

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.4	8.0
122	11.9	11.0	16.4

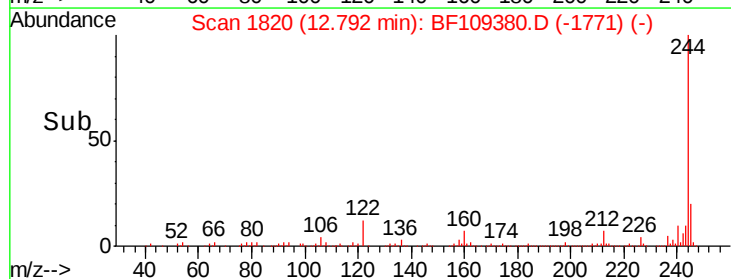
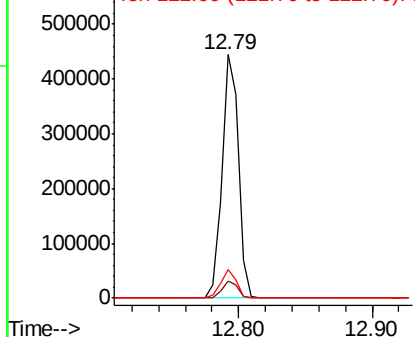


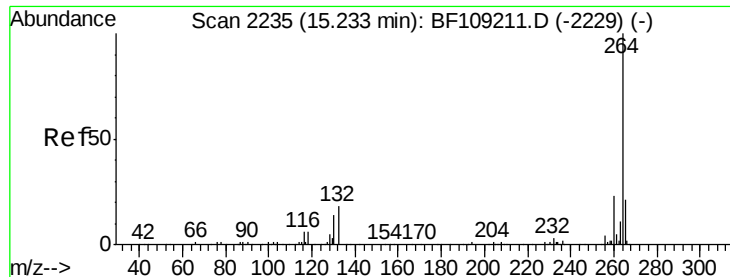
Abundance

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

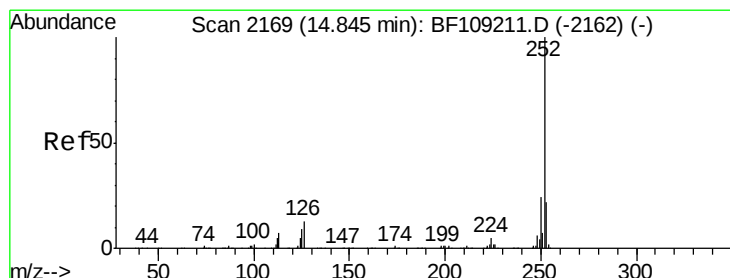
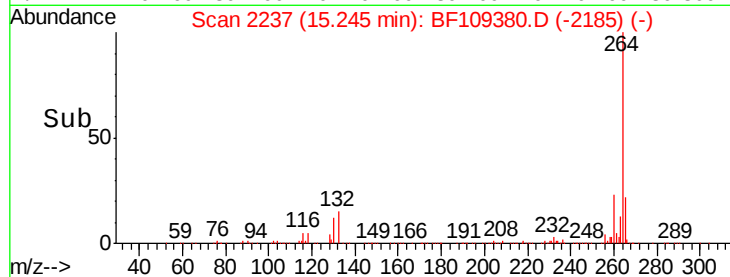
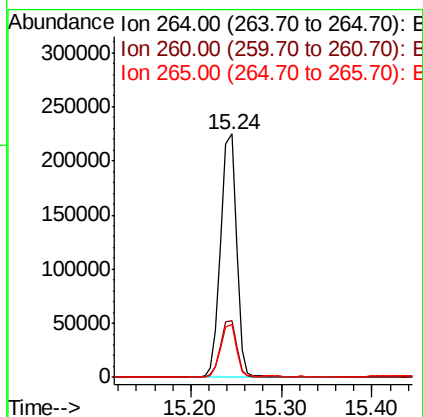
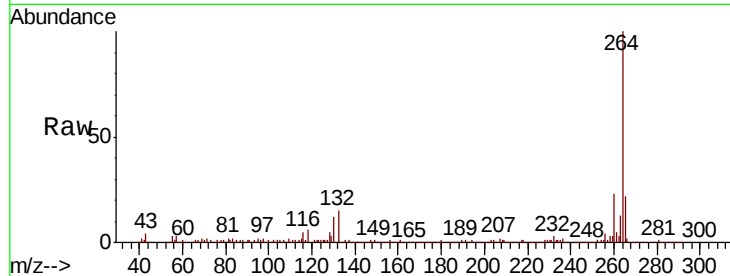




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BF109380.D
Acq: 27 Sep 2018 12:17

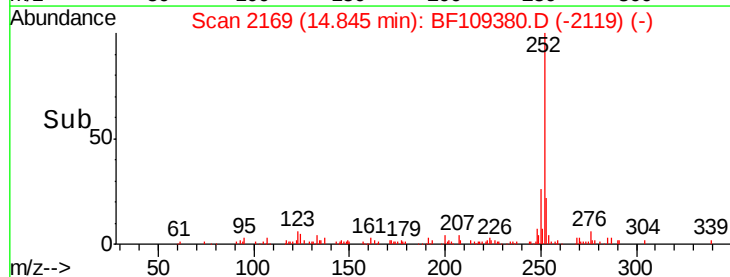
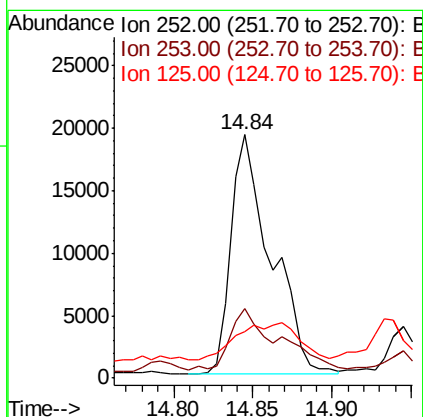
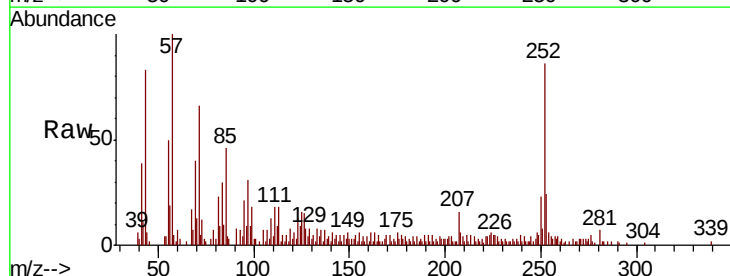
Instrument :
BNA_F
ClientSampleId :

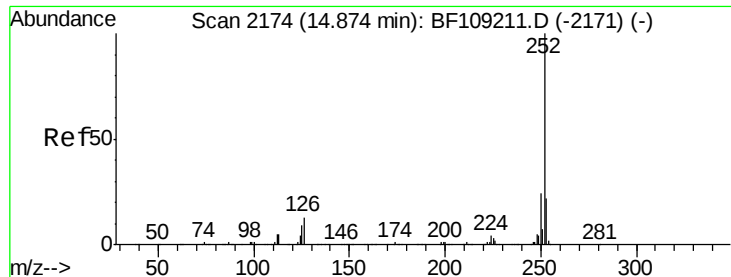
Tot Ion:264 Resp: 272677
Ion Ratio Lower Upper
264 100
260 23.3 19.2 28.8
265 21.8 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 2.237 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF109380.D
Acq: 27 Sep 2018 12:17

Tgt Ion:252 Resp: 33511
Ion Ratio Lower Upper
252 100
253 28.6 17.0 25.6#
125 19.2 9.0 13.6#

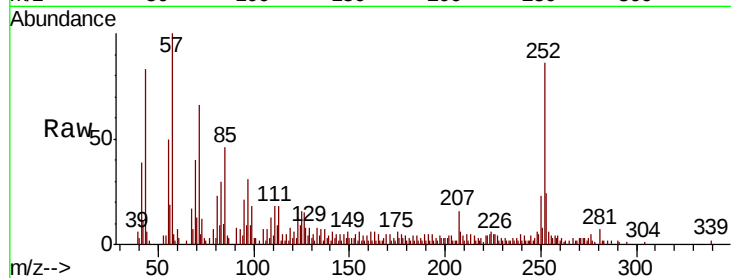




#88
 Benzo(k)fluoranthene
 Concen: 2.357 ng
 RT: 14.84 min Scan# 2169
 Delta R.T. -0.04 min
 Lab File: BF109380.D
 Acq: 27 Sep 2018 12:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.6	17.9	26.9#
125	19.2	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

