

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112718\
 Data File : BF111014.D
 Acq On : 27 Nov 2018 17:19
 Operator : JU/SJ
 Sample : J6065-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 27 17:45:03 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 27 15:32:10 2018
 Response via : Initial Calibration

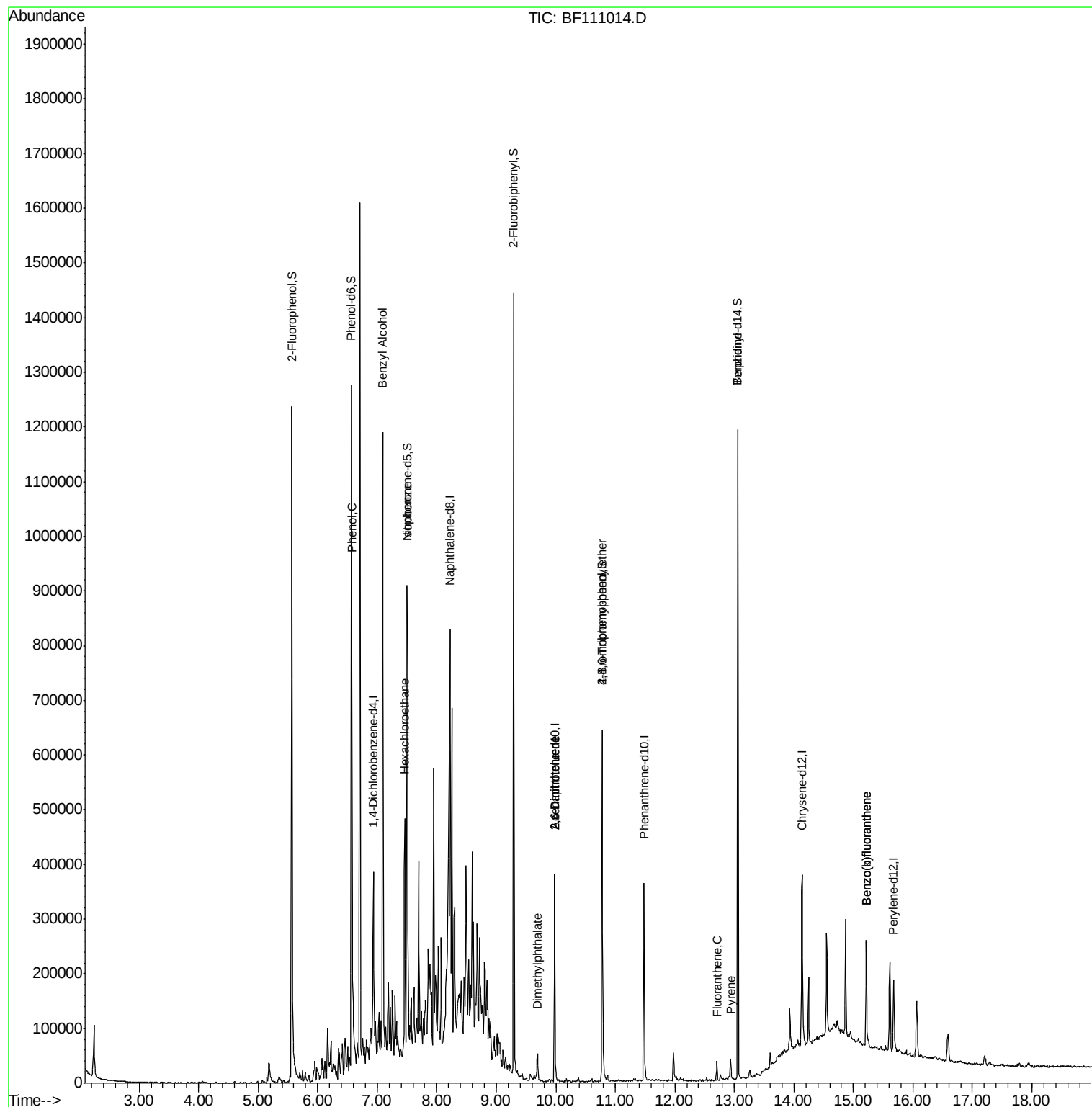
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	50557	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	181054	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	76438	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	140861	20.00	ng	0.00
76) Chrysene-d12	14.14	240	111298	20.00	ng	0.00
87) Perylene-d12	15.67	264	72310	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	382223	125.37	ng	0.01
7) Phenol-d6	6.57	99	453556	114.16	ng	0.00
23) Nitrobenzene-d5	7.50	82	263860	83.41	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	89520	117.92	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	419407	79.49	ng	0.00
79) Terphenyl-d14	13.06	244	416135	72.78	ng	0.00
Target Compounds						
9) Benzaldehyde	6.50	77	625	Below Cal		Qvalue
10) Phenol	6.58	94	24903	5.566 ng	#	1
15) Benzyl Alcohol	7.09	79	6394	2.094 ng	#	56
18) Hexachloroethane	7.46	117	21687	14.444 ng	#	1
25) Isophorone	7.50	82	263860	50.846 ng	#	68
50) Dimethylphthalate	9.69	163	25376	4.527 ng		97
51) 2,6-Dinitrotoluene	9.98	165	9640	7.724 ng	#	21
57) 2,4-Dinitrotoluene	9.98	165	9640	5.954 ng	#	17
67) 4-Bromophenyl-phenylether	10.78	248	5612	3.658 ng	#	1
75) Fluoranthene	12.70	202	16271	2.122 ng		98
77) Benzidine	13.06	184	5846	2.054 ng	#	95
78) Pvrene	12.94	202	18438	2.268 ng		96
88) Benzo(b)fluoranthene	15.23	252	13250	3.119 ng	#	84
89) Benzo(k)fluoranthene	15.23	252	13250	3.030 ng	#	84

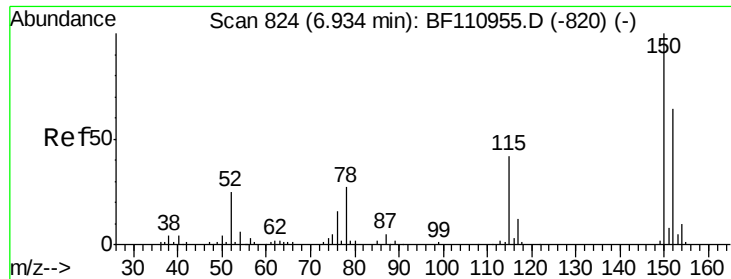
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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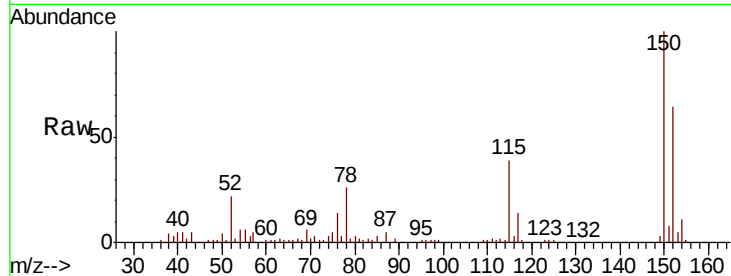


#1

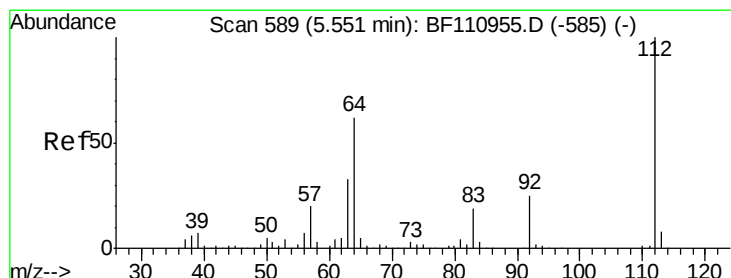
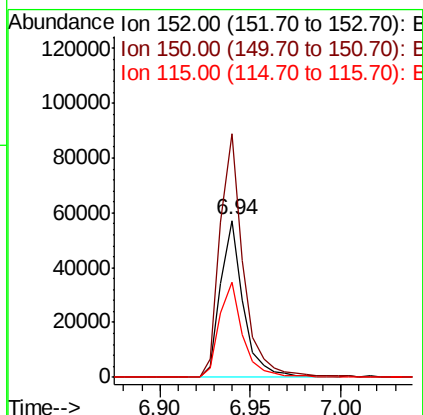
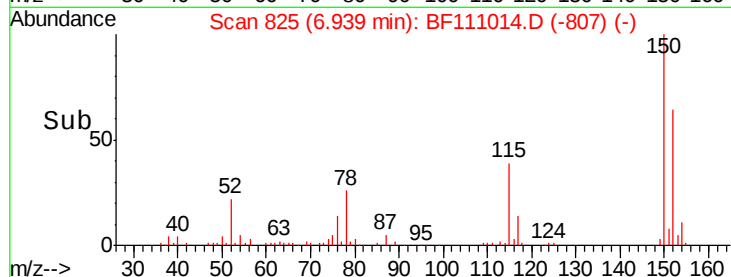
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. 0.01 min
Lab File: BF111014.D
Acq: 27 Nov 2018 17:19

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 50557
Ion Ratio Lower Upper
152 100
150 155.1 122.7 184.1
115 60.3 49.1 73.7



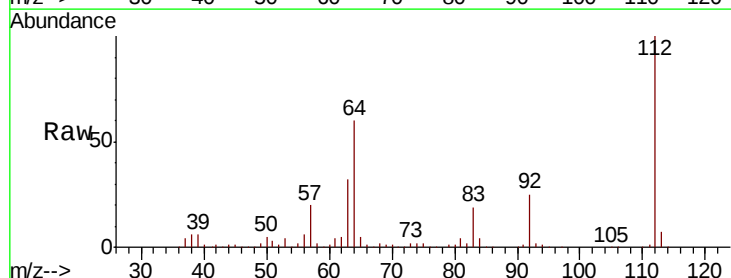
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



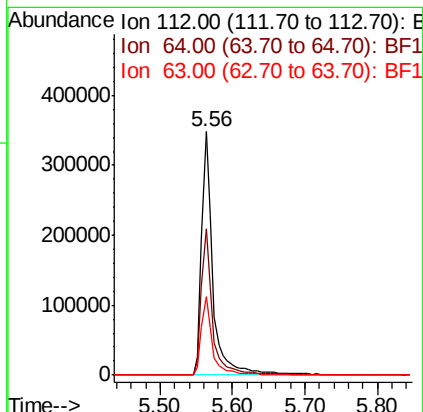
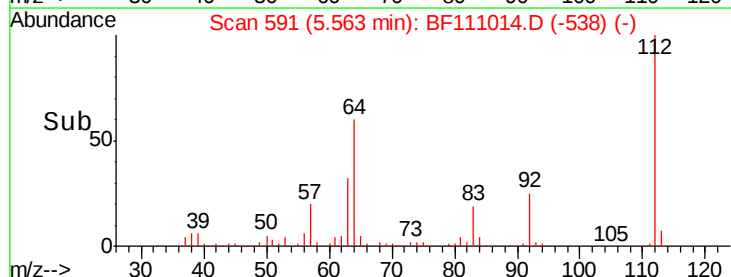
#5

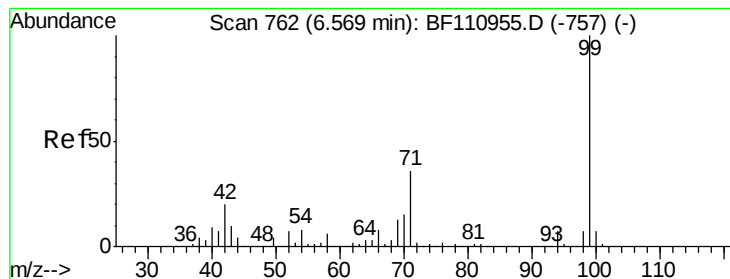
2-Fluorophenol
Concen: 125.373 ng
RT: 5.56 min Scan# 591
Delta R.T. 0.01 min
Lab File: BF111014.D
Acq: 27 Nov 2018 17:19

Tgt Ion:112 Resp: 382223
Ion Ratio Lower Upper
112 100
64 60.2 44.1 66.1
63 32.4 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: 114.161 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.00 min

Lab File: BF111014.D

Acq: 27 Nov 2018 17:19

Instrument :

BNA_F

ClientSampled :

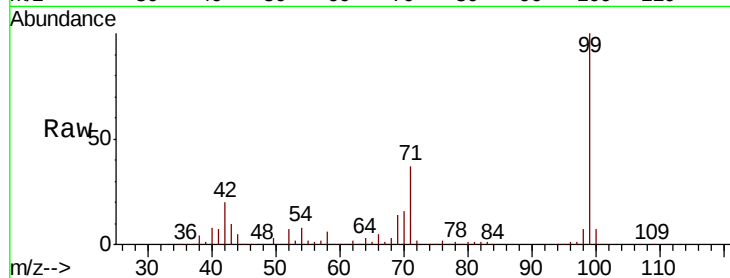
Tot Ion: 99 Resp: 453556

Ion Ratio Lower Upper

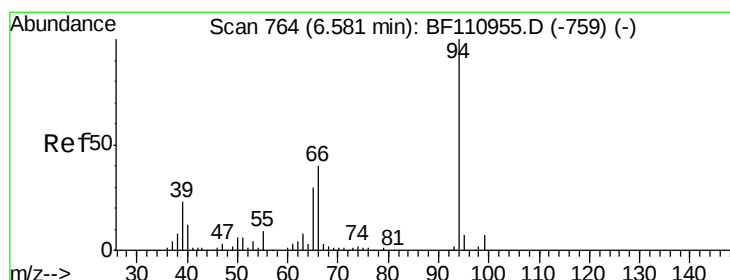
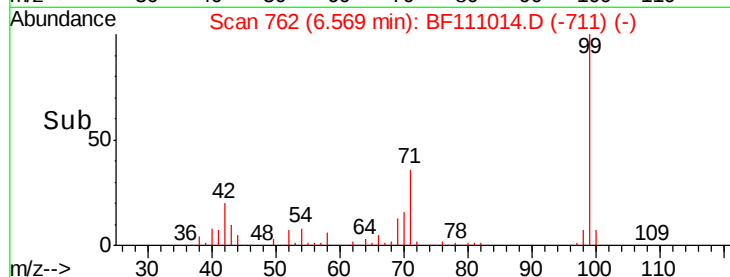
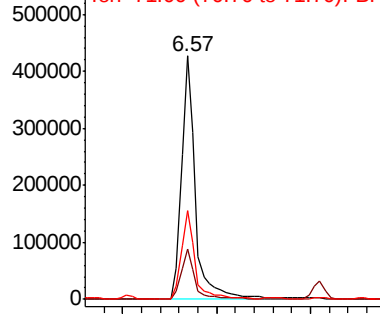
99 100

42 20.5 15.8 23.6

71 36.6 28.0 42.0



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



#10

Phenol

Concen: 5.566 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.00 min

Lab File: BF111014.D

Acq: 27 Nov 2018 17:19

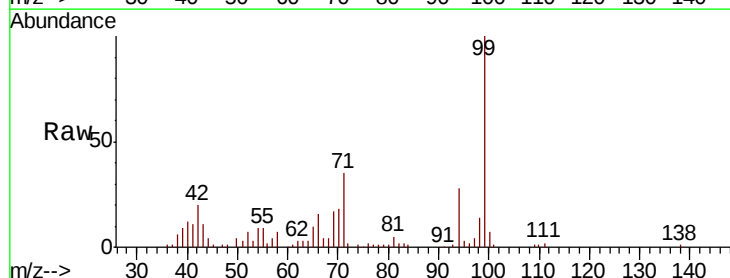
Tgt Ion: 94 Resp: 24903

Ion Ratio Lower Upper

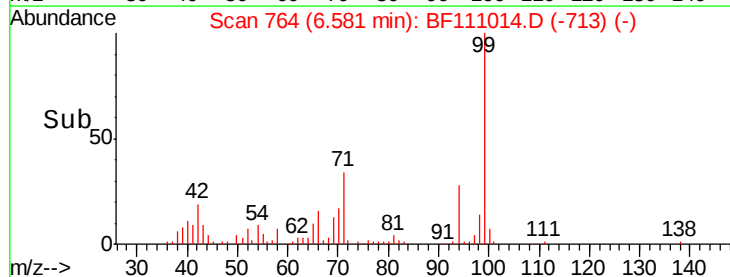
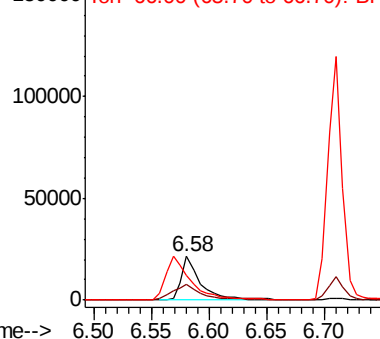
94 100

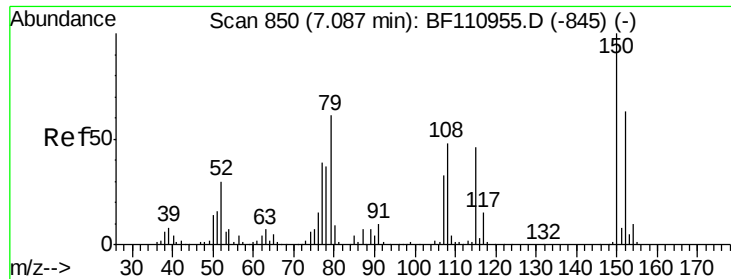
65 36.0 25.3 65.3

66 56.0 54.5 94.5



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#15

Benzyl Alcohol

Concen: 2.094 ng

RT: 7.09 min Scan# 851

Delta R.T. 0.01 min

Lab File: BF111014.D

Acq: 27 Nov 2018 17:19

Instrument :

BNA_F

ClientSampled :

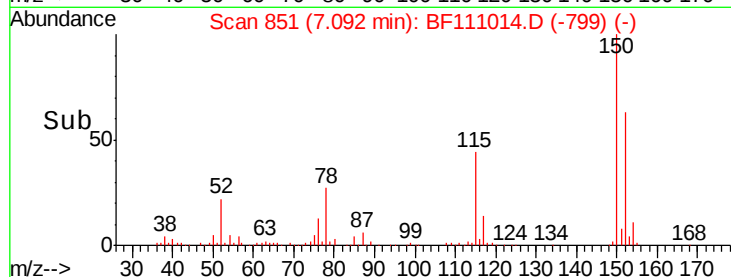
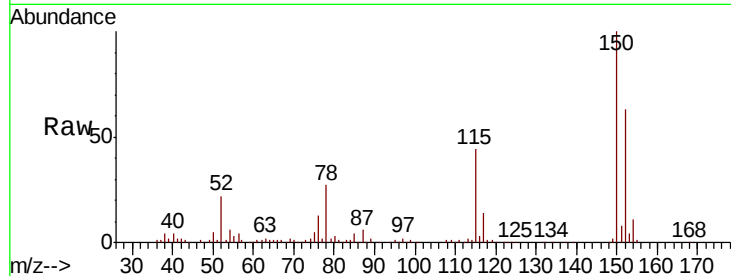
Tot Ion: 79 Resp: 6394

Ion Ratio Lower Upper

79 100

108 25.4 56.3 84.5#

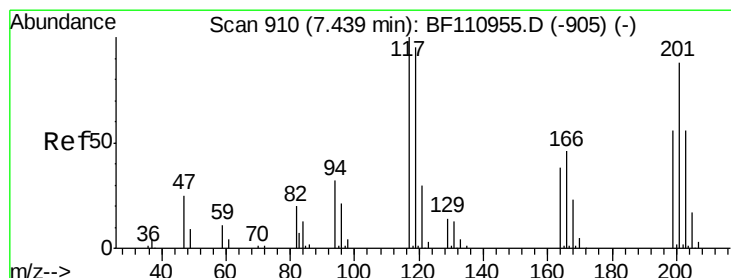
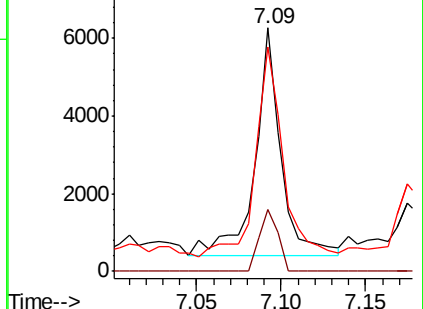
77 92.3 52.9 79.3#



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#18

Hexachloroethane

Concen: 14.444 ng

RT: 7.46 min Scan# 914

Delta R.T. 0.02 min

Lab File: BF111014.D

Acq: 27 Nov 2018 17:19

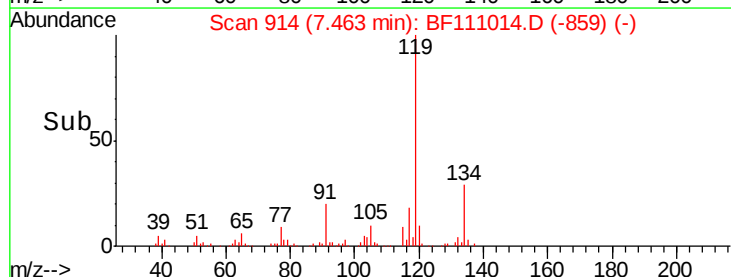
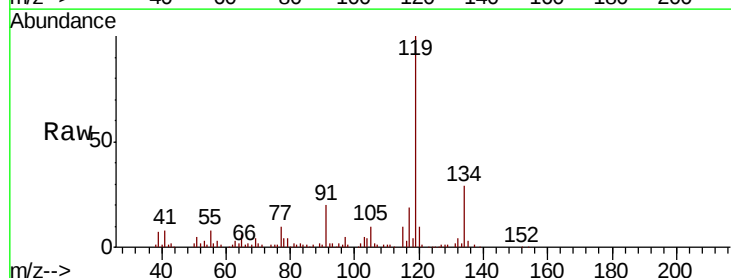
Tgt Ion: 117 Resp: 21687

Ion Ratio Lower Upper

117 100

119 538.8 75.0 112.6#

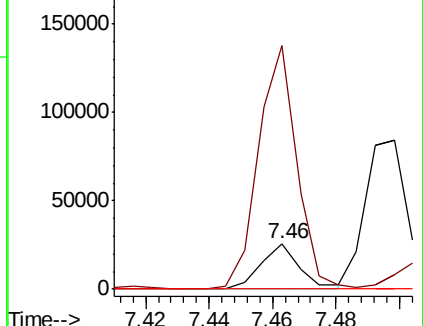
201 0.0 79.2 118.8#

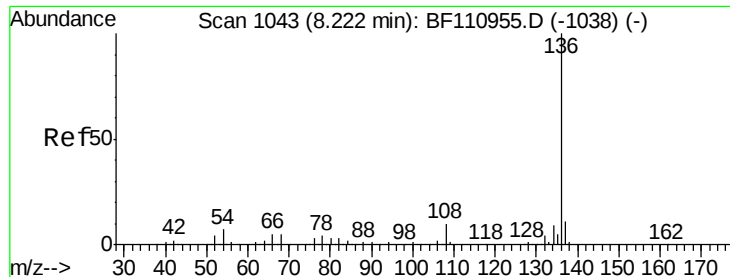


Abundance Ion 117.00 (116.70 to 117.70): BF1

Ion 119.00 (118.70 to 119.70): BF1

Ion 201.00 (200.70 to 201.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1043

Delta R.T. -0.00 min

Lab File: BF111014.D

Acq: 27 Nov 2018 17:19

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 181054

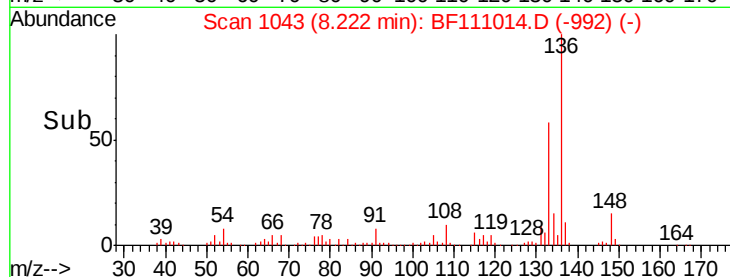
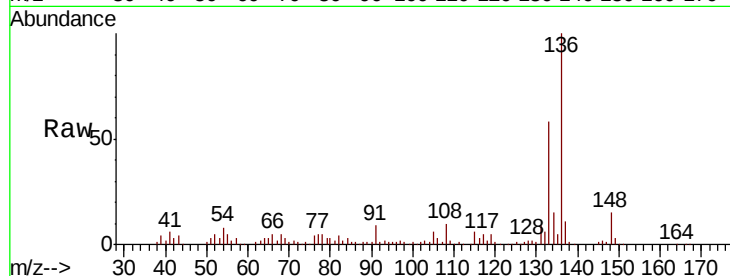
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 8.4 5.4 8.2#

68 5.4 4.2 6.2



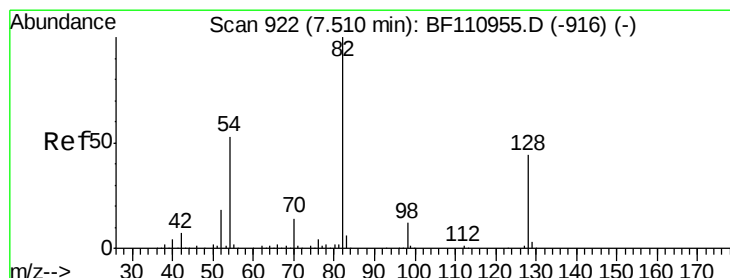
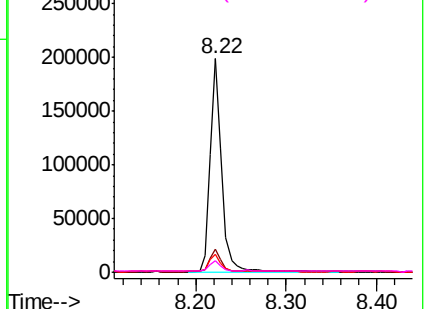
Abundance

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: 83.405 ng

RT: 7.50 min Scan# 921

Delta R.T. -0.01 min

Lab File: BF111014.D

Acq: 27 Nov 2018 17:19

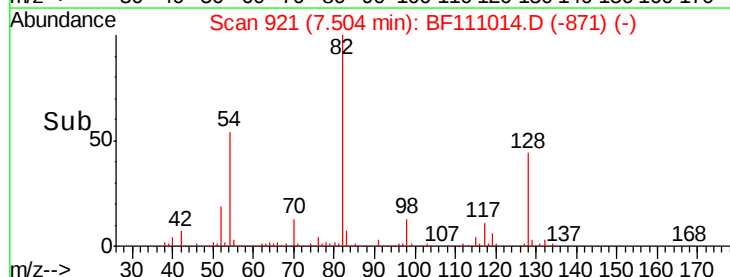
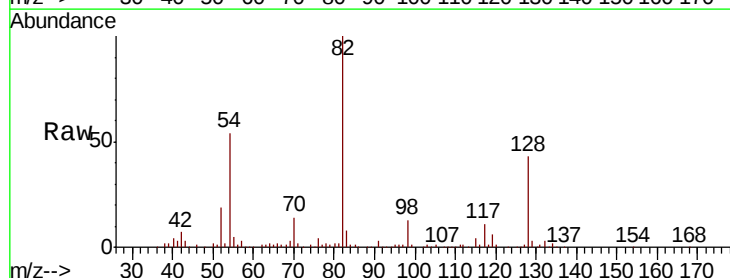
Tgt Ion: 82 Resp: 263860

Ion Ratio Lower Upper

82 100

128 43.5 34.2 51.2

54 53.8 38.6 58.0

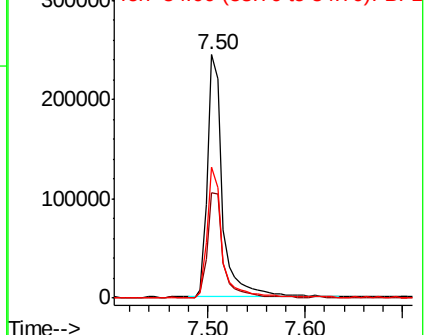


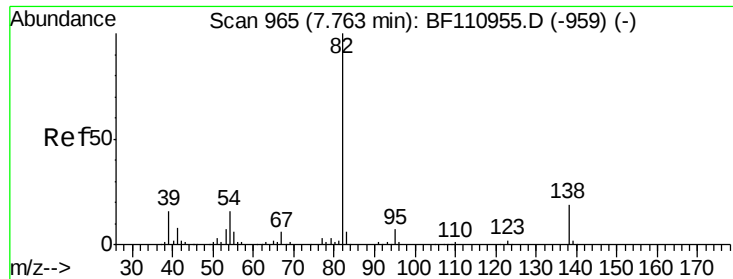
Abundance

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: 50.846 ng

RT: 7.50 min Scan# 921

Delta R.T. -0.26 min

Lab File: BF111014.D

Acq: 27 Nov 2018 17:19

Instrument :

BNA_F

ClientSampleId :

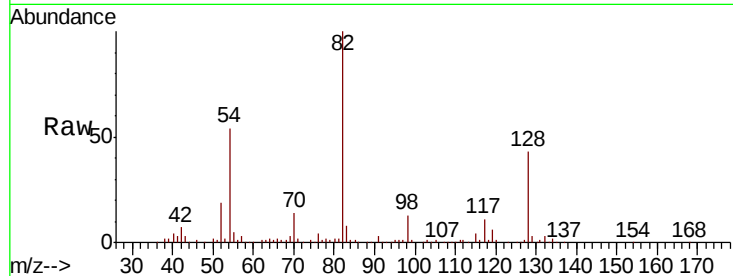
Tot Ion: 82 Resp: 263860

Ion Ratio Lower Upper

82 100

95 1.0 5.7 8.5#

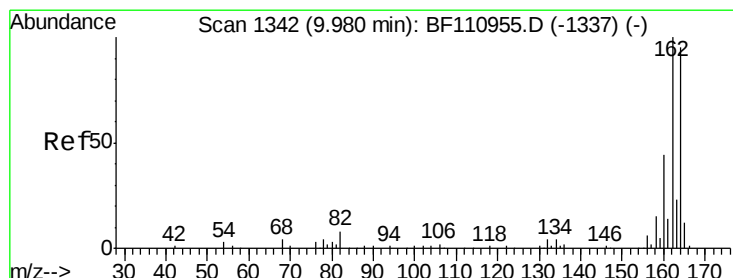
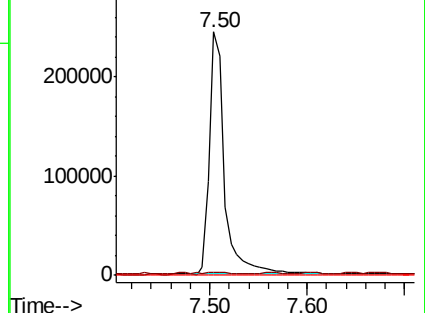
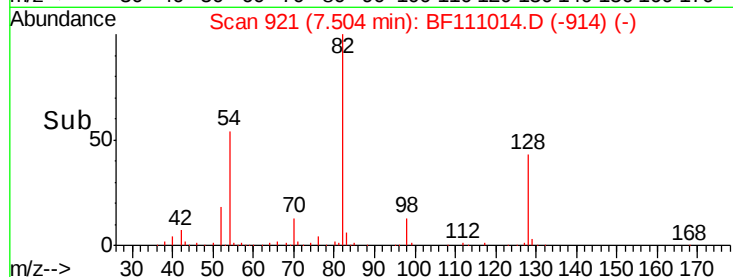
138 0.0 13.2 19.8#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.98 min Scan# 1342

Delta R.T. -0.00 min

Lab File: BF111014.D

Acq: 27 Nov 2018 17:19

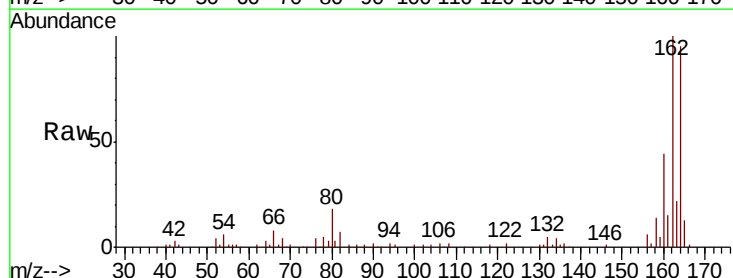
Tgt Ion:164 Resp: 76438

Ion Ratio Lower Upper

164 100

162 105.4 83.0 124.6

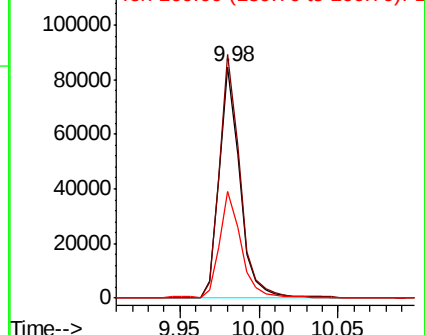
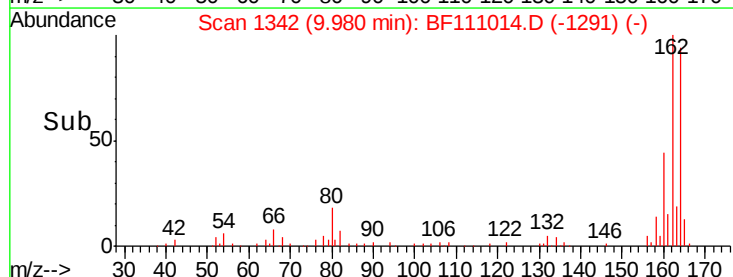
160 46.3 37.0 55.6

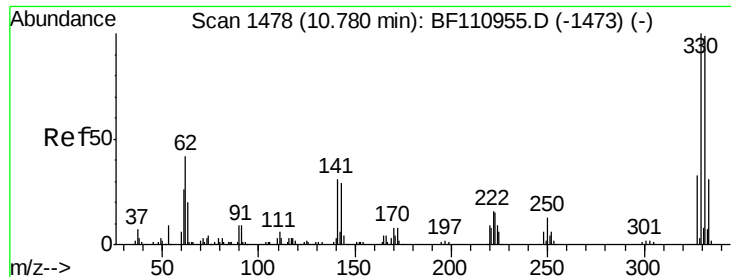


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 117.924 ng

RT: 10.78 min Scan# 1478

Delta R.T. -0.00 min

Lab File: BF111014.D

Acq: 27 Nov 2018 17:19

Instrument :

BNA_F

ClientSampled :

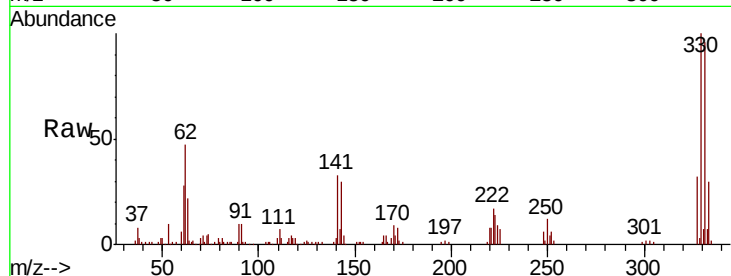
Tot Ion:330 Resp: 89520

Ion Ratio Lower Upper

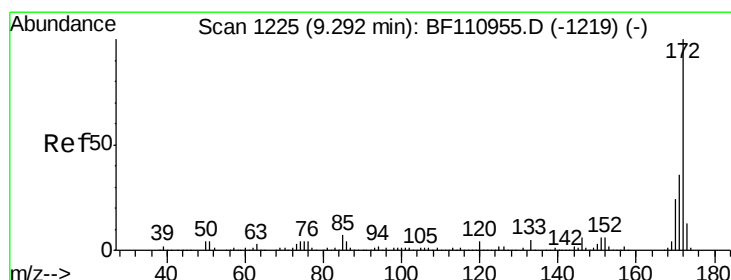
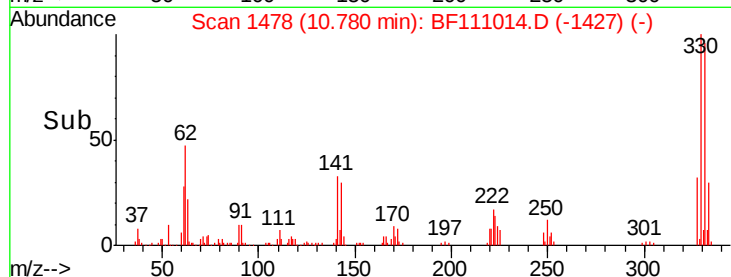
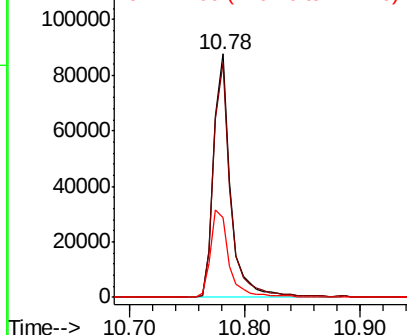
330 100

332 97.1 77.1 115.7

141 39.1 27.0 40.4



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



#45

2-Fluorobiphenyl

Concen: 79.493 ng

RT: 9.29 min Scan# 1225

Delta R.T. -0.00 min

Lab File: BF111014.D

Acq: 27 Nov 2018 17:19

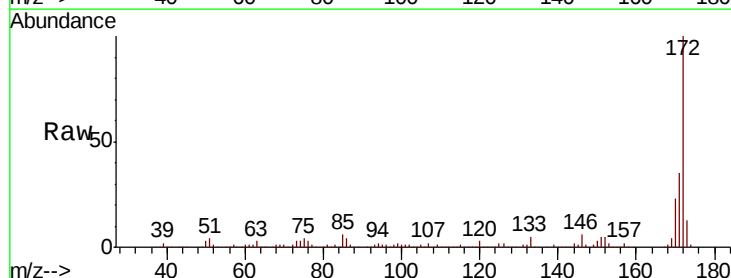
Tgt Ion:172 Resp: 419407

Ion Ratio Lower Upper

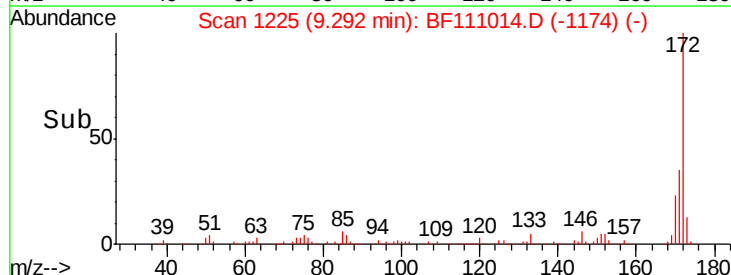
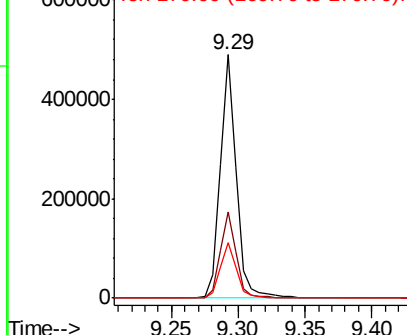
172 100

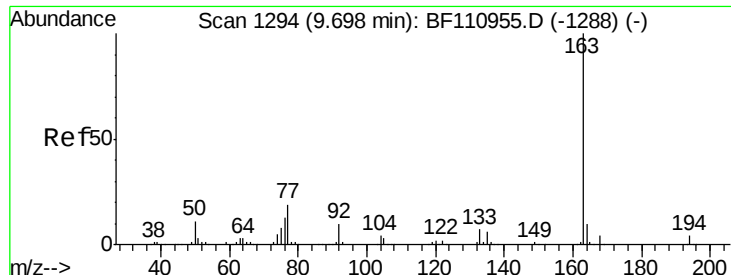
171 35.3 28.6 43.0

170 23.0 19.7 29.5



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

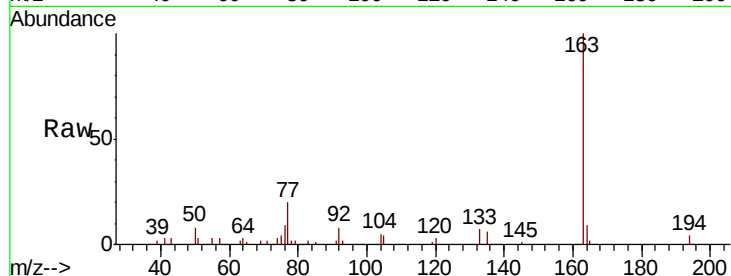




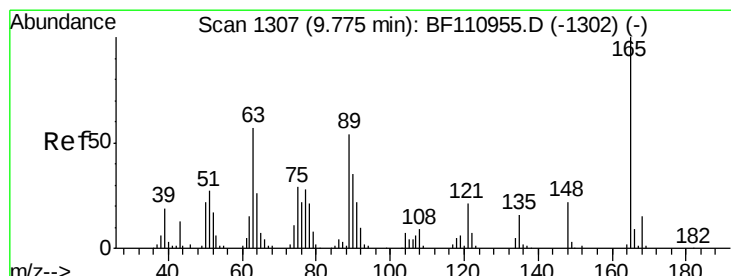
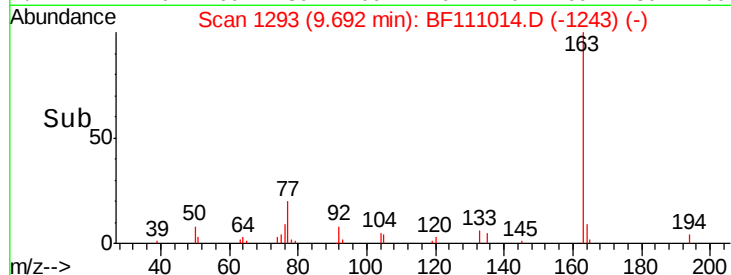
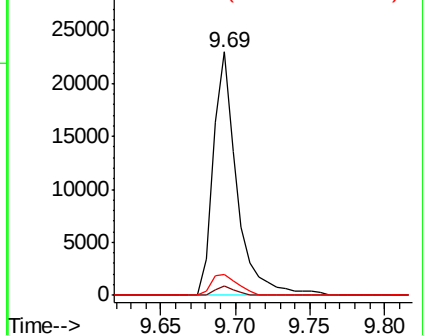
#50
Dimethylphthalate
Concen: 4.527 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF111014.D
Acq: 27 Nov 2018 17:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.2	4.8
164	8.8	8.1	12.1

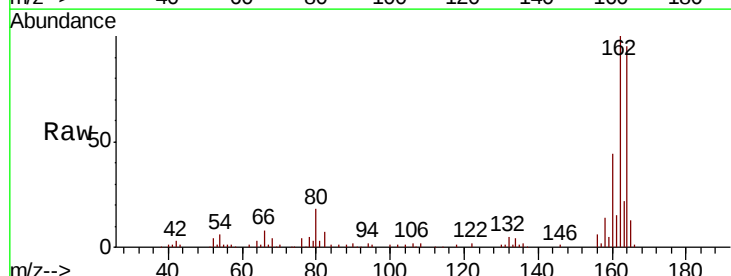


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

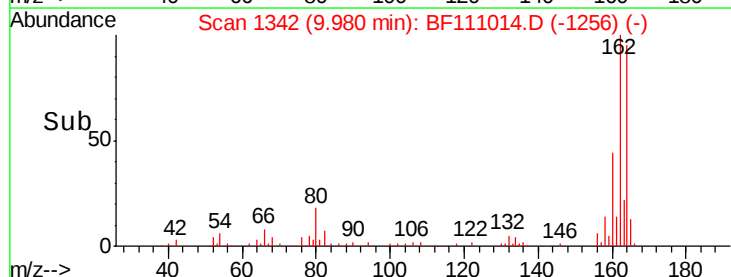
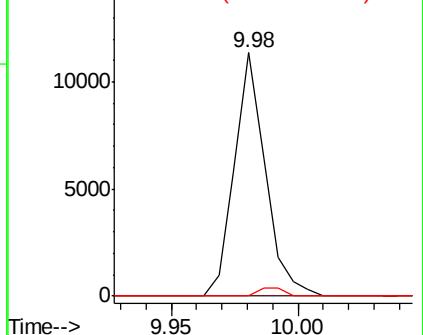


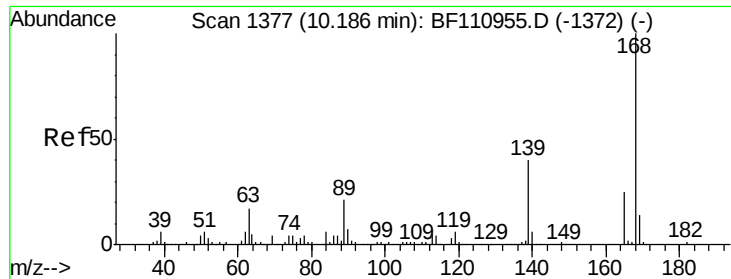
#51
2,6-Dinitrotoluene
Concen: 7.724 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.21 min
Lab File: BF111014.D
Acq: 27 Nov 2018 17:19

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	48.9	73.3#
89	0.0	46.6	69.8#



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

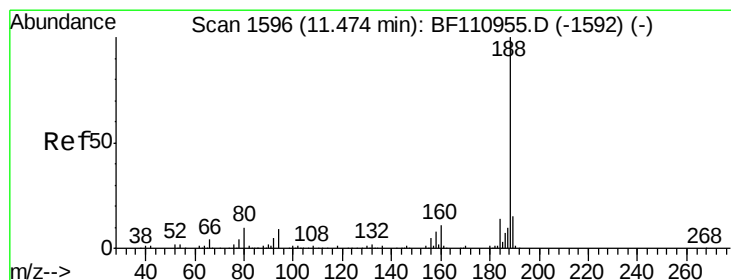
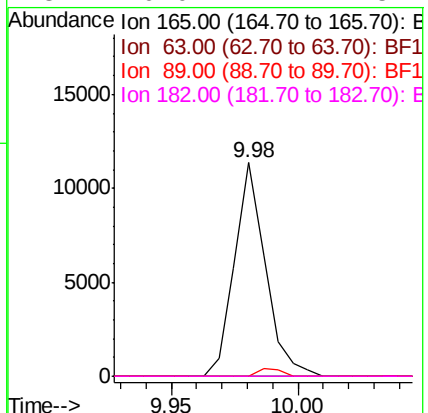
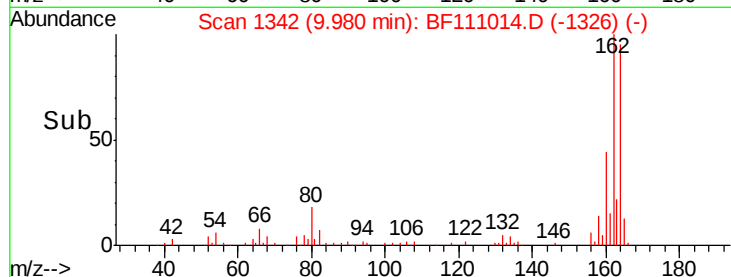
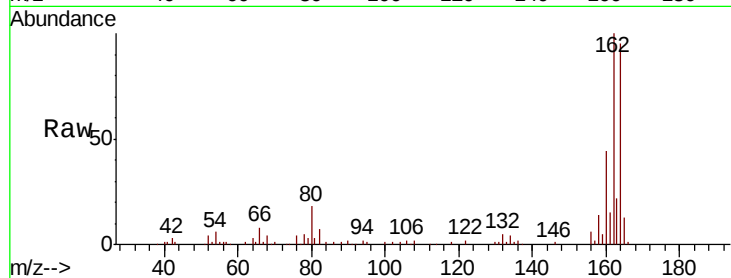




#57
 2,4-Dinitrotoluene
 Concen: 5.954 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. -0.21 min
 Lab File: BF111014.D
 Acq: 27 Nov 2018 17:19

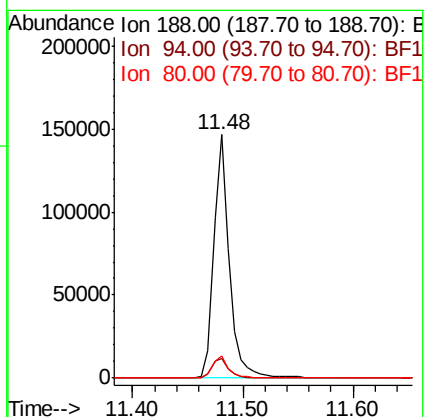
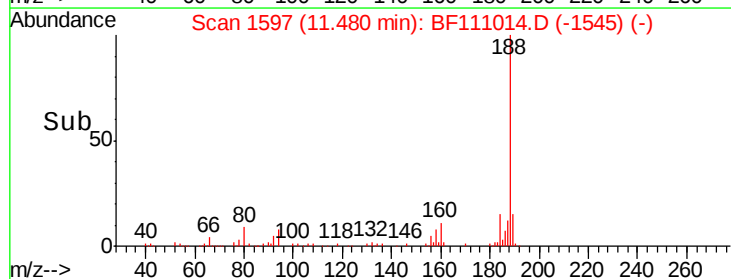
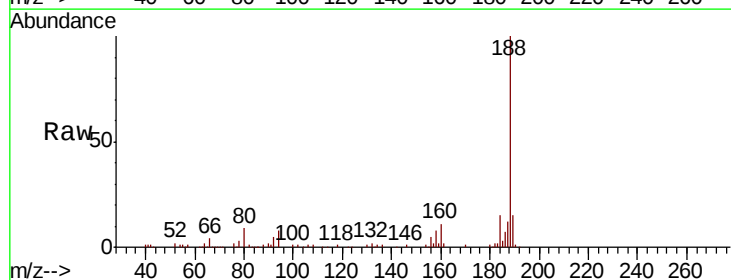
Instrument :
 BNA_F
 ClientSampleId :

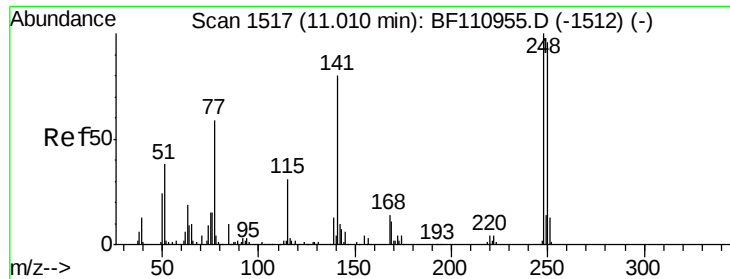
Tot Ion:165 Resp: 9640
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.8 67.2#
 89 0.0 62.2 93.4#
 182 0.0 2.1 3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. 0.01 min
 Lab File: BF111014.D
 Acq: 27 Nov 2018 17:19

Tgt Ion:188 Resp: 140861
 Ion Ratio Lower Upper
 188 100
 94 7.9 7.2 10.8
 80 9.2 7.9 11.9

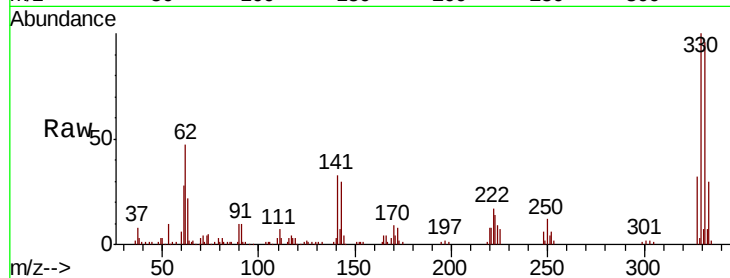




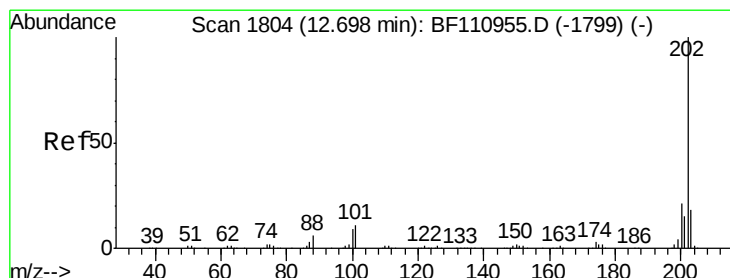
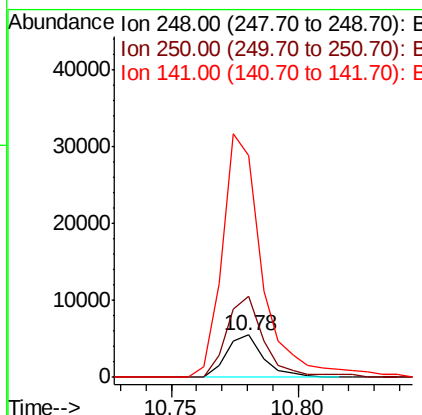
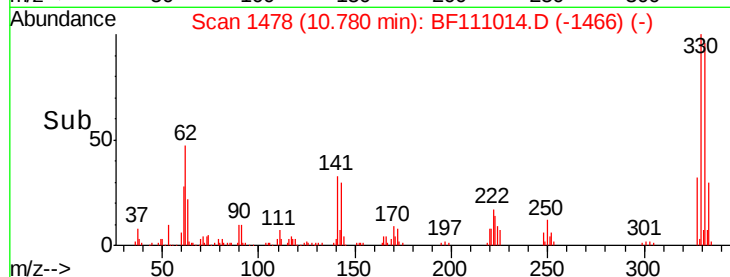
#67
 4-Bromophenyl-phenylether
 Concen: 3.658 ng
 RT: 10.78 min Scan# 1478
 Delta R.T. -0.23 min
 Lab File: BF111014.D
 Acq: 27 Nov 2018 17:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 5612
 Ion Ratio Lower Upper
 248 100
 250 192.8 79.4 119.2#
 141 527.4 55.9 83.9#

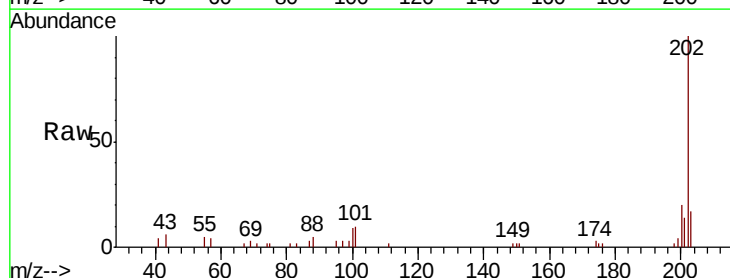


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

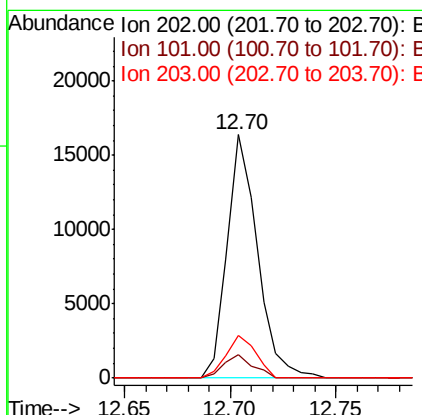
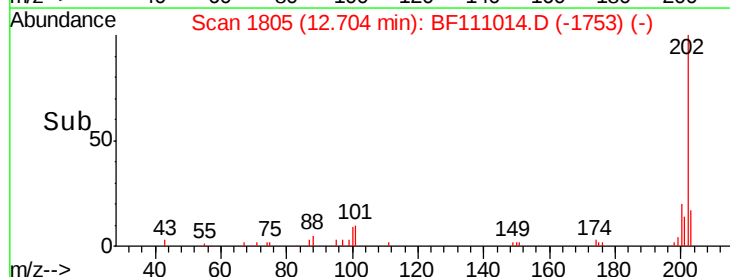


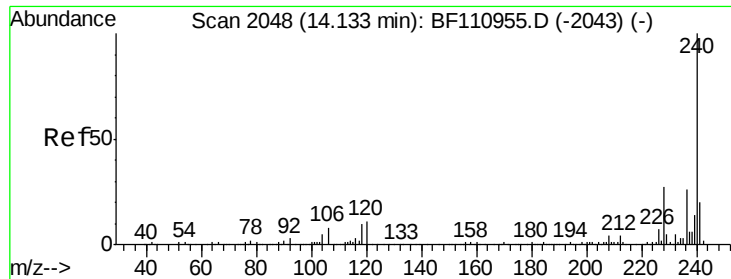
#75
 Fluoranthene
 Concen: 2.122 ng
 RT: 12.70 min Scan# 1805
 Delta R.T. 0.01 min
 Lab File: BF111014.D
 Acq: 27 Nov 2018 17:19

Tgt Ion:202 Resp: 16271
 Ion Ratio Lower Upper
 202 100
 101 9.6 0.0 31.4
 203 17.3 0.0 37.7



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

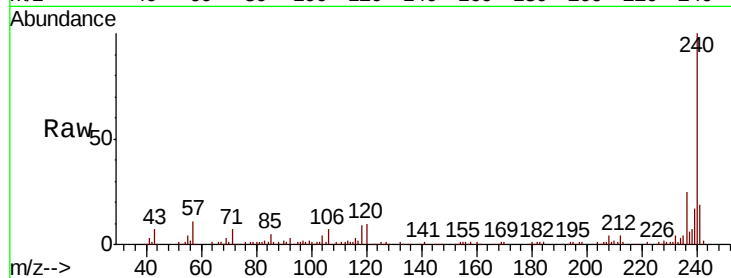




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.14 min Scan# 2049
 Delta R.T. 0.01 min
 Lab File: BF111014.D
 Acq: 27 Nov 2018 17:19

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.6	8.3	12.5
236	25.3	21.2	31.8

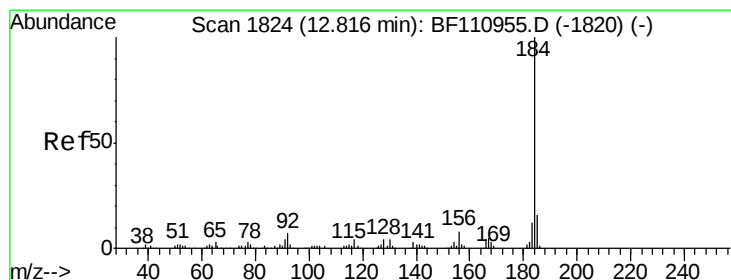
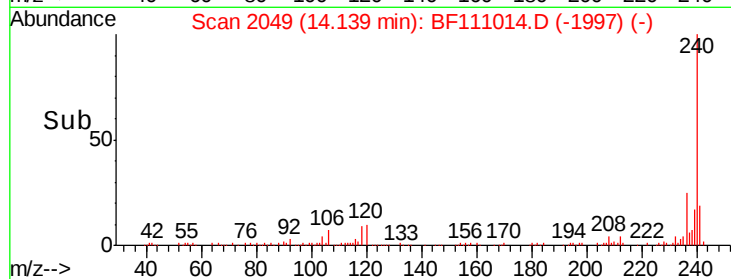
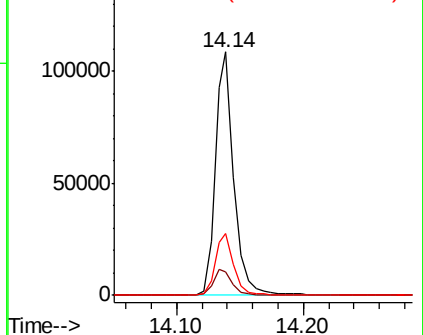


Abundance

Ion 240.00 (239.70 to 240.70): E

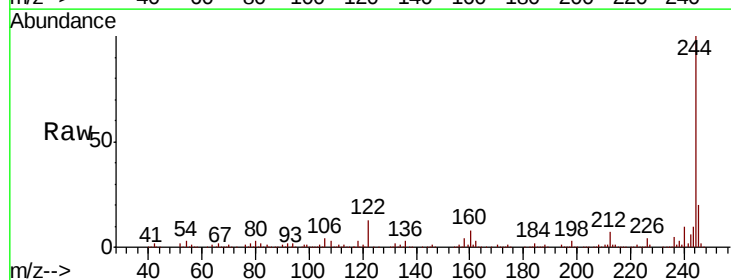
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77
 Benzidine
 Concen: 2.054 ng
 RT: 13.06 min Scan# 1865
 Delta R.T. 0.24 min
 Lab File: BF111014.D
 Acq: 27 Nov 2018 17:19

Tgt Ion	Ratio	Lower	Upper
184	100		
185	18.7	13.4	20.2
183	9.2	9.4	14.2#

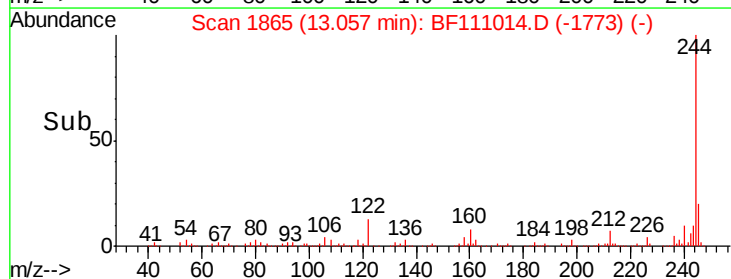
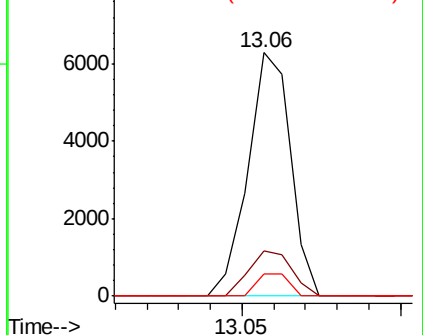


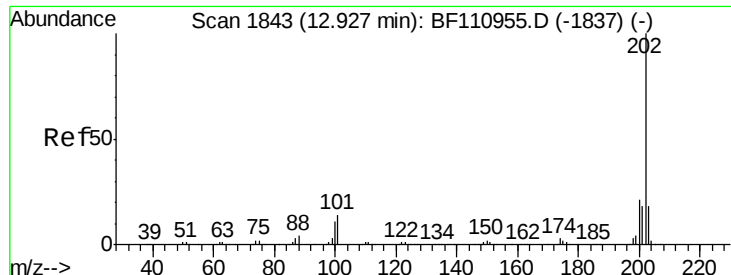
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

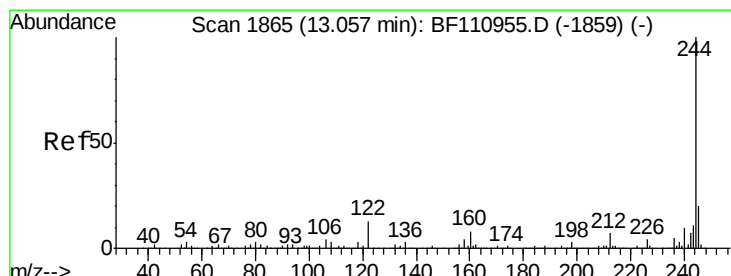
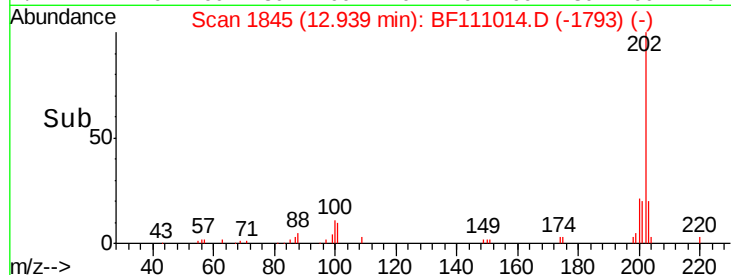
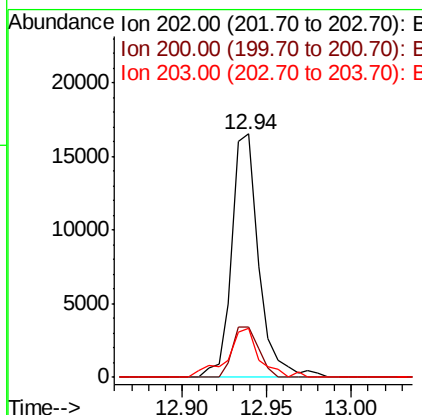
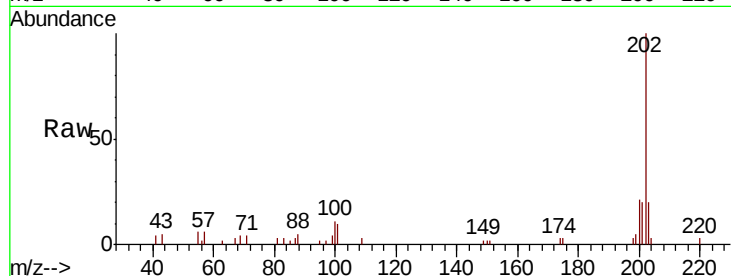




#78
Pvrene
Concen: 2.268 ng
RT: 12.94 min Scan# 1845
Delta R.T. 0.01 min
Lab File: BF111014.D
Acq: 27 Nov 2018 17:19

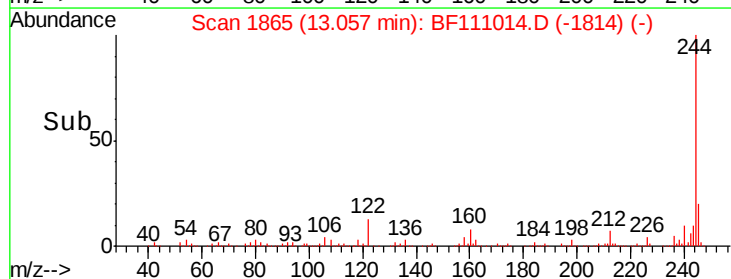
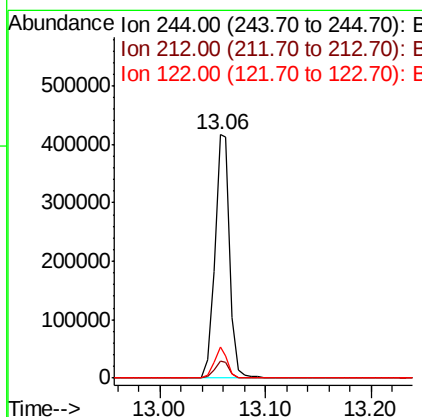
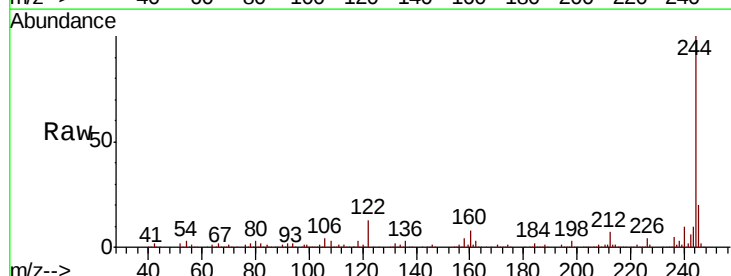
Instrument :
BNA_F
ClientSampleId :

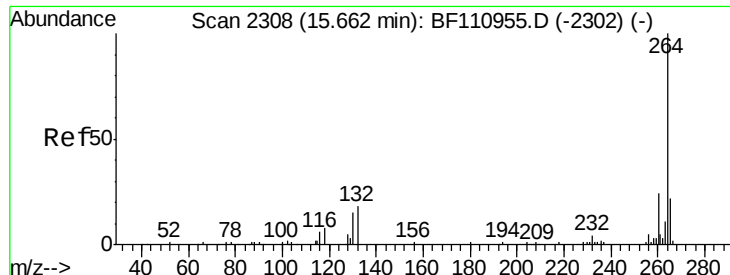
Tot Ion:202 Resp: 18438
Ion Ratio Lower Upper
202 100
200 20.6 17.8 26.6
203 20.2 14.2 21.4



#79
Terphenyl-d14
Concen: 72.783 ng
RT: 13.06 min Scan# 1865
Delta R.T. -0.00 min
Lab File: BF111014.D
Acq: 27 Nov 2018 17:19

Tgt Ion:244 Resp: 416135
Ion Ratio Lower Upper
244 100
212 7.3 5.8 8.8
122 12.6 8.7 13.1



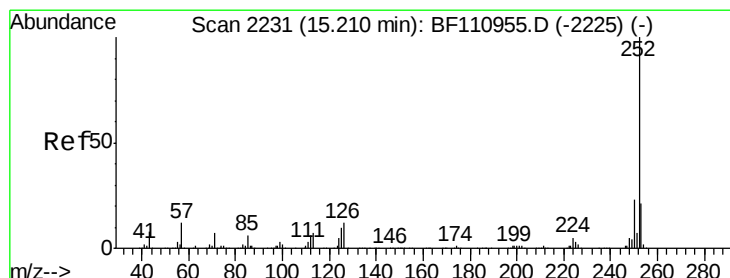
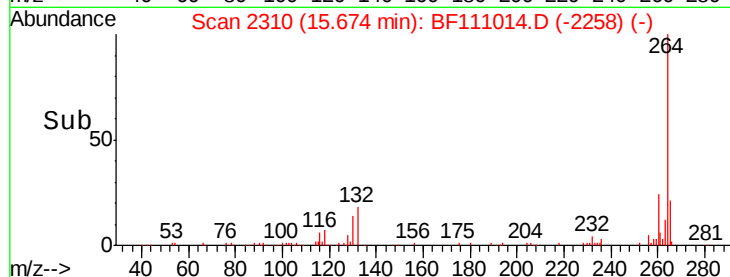
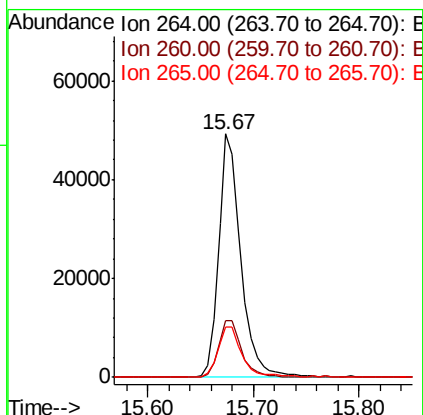
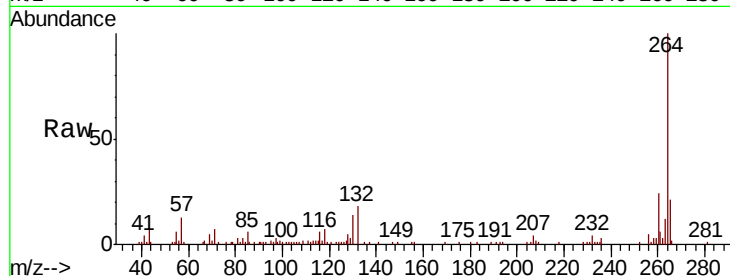


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2310
Delta R.T. 0.01 min
Lab File: BF111014.D
Acq: 27 Nov 2018 17:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 72310

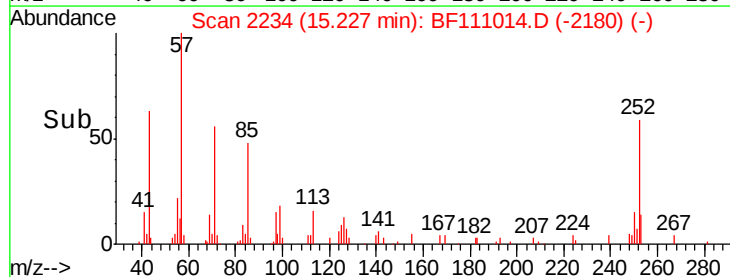
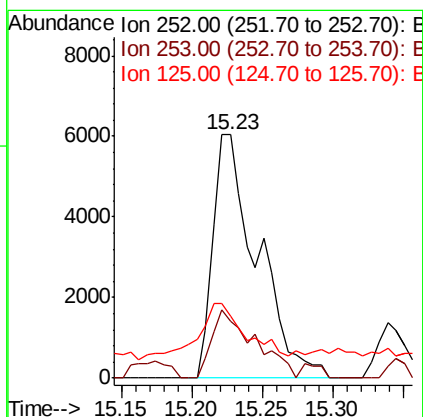
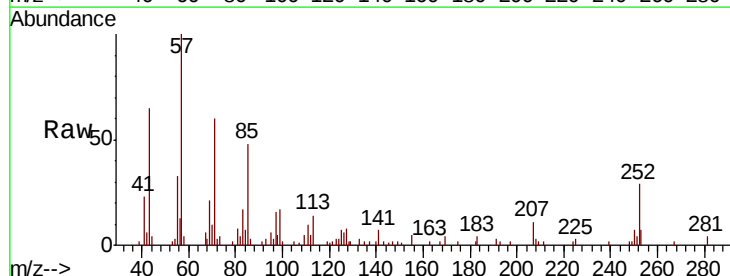
Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	20.7	16.7	25.1

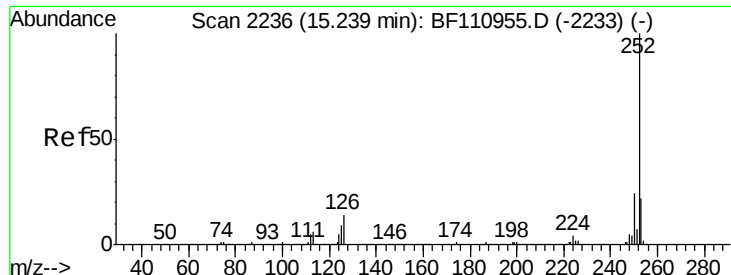


#88
Benzo(b)fluoranthene
Concen: 3.119 ng
RT: 15.23 min Scan# 2234
Delta R.T. 0.02 min
Lab File: BF111014.D
Acq: 27 Nov 2018 17:19

Tgt Ion:252 Resp: 13250

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.2	25.8
125	25.5	8.2	12.4#





#89

Benzo(k)fluoranthene

Concen: 3.030 ng

RT: 15.23 min Scan# 2234

Delta R.T. -0.01 min

Lab File: BF111014.D

Acq: 27 Nov 2018 17:19

Instrument :

BNA_F

ClientSampleId :

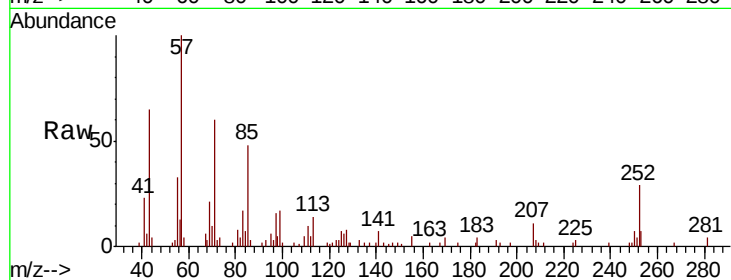
Tot Ion:252 Resp: 13250

Ion Ratio Lower Upper

252 100

253 23.2 17.2 25.8

125 25.5 7.4 11.0#



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

