

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
 Data File : BF110122.D
 Acq On : 24 Oct 2018 18:32
 Operator : JU/SJ
 Sample : J5198-23 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 25 02:13:39 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 23 15:06:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	175165	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	661294	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	264406	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	418067	20.00	ng	-0.01
76) Chrysene-d12	14.15	240	351624	20.00	ng	-0.01
87) Perylene-d12	15.69	264	255838	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	456731	42.46	ng	-0.02
7) Phenol-d6	6.58	99	559453	40.66	ng	-0.02
23) Nitrobenzene-d5	7.53	82	319257	28.63	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	86759	33.13	ng	-0.02
45) 2-Fluorobiphenyl	9.32	172	565895	33.61	ng	-0.02
79) Terphenyl-d14	13.09	244	427834	25.30	ng	-0.02

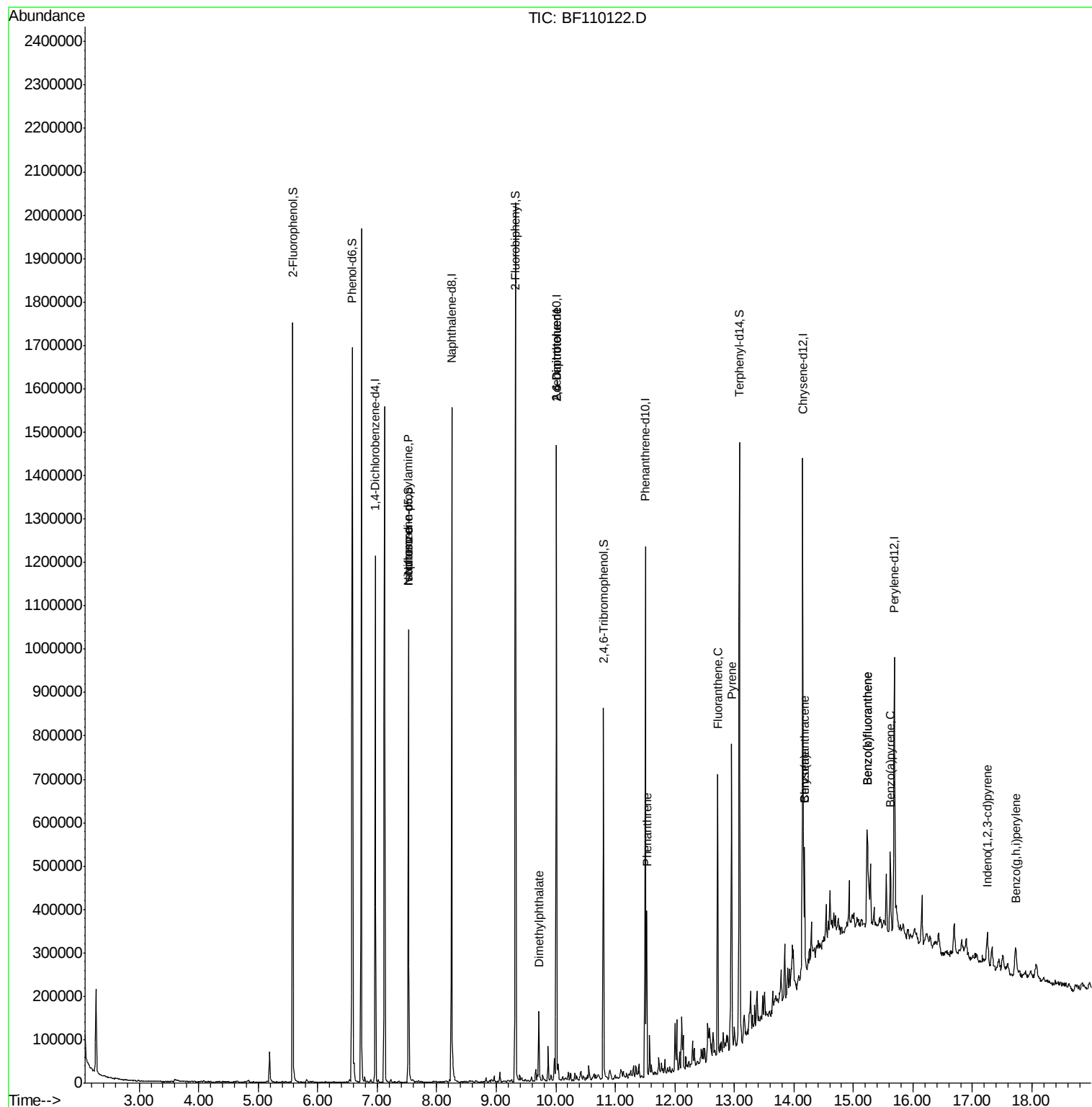
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.58	77	1126	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.53	70	41087	4.655	ng	# 79
25) Isophorone	7.53	82	319252	16.798	ng	# 67
50) Dimethylphthalate	9.72	163	59492	3.048	ng	# 99
51) 2,6-Dinitrotoluene	10.01	165	33672	8.009	ng	# 23
57) 2,4-Dinitrotoluene	10.01	165	33672	6.305	ng	# 19
71) Phenanthrene	11.53	178	134235	6.136	ng	# 98
75) Fluoranthene	12.72	202	257650	11.605	ng	# 98
78) Pyrene	12.95	202	258597	10.258	ng	# 97
81) Benzo(a)anthracene	14.18	228	123228	5.910	ng	# 96
83) Chrysene	14.18	228	123228	6.222	ng	# 97
86) Indeno(1,2,3-cd)pyrene	17.25	276	49961	3.041	ng	# 97
88) Benzo(b)fluoranthene	15.23	252	172642	11.686	ng	# 91
89) Benzo(k)fluoranthene	15.23	252	172642	11.887	ng	# 90
90) Benzo(a)pyrene	15.62	252	89219	6.563	ng	# 96
92) Benzo(g,h,i)perylene	17.72	276	49139	4.251	ng	# 84

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

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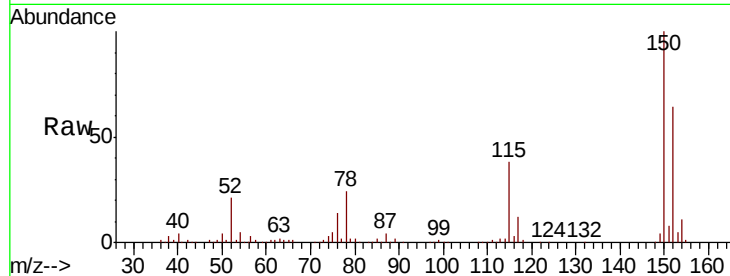




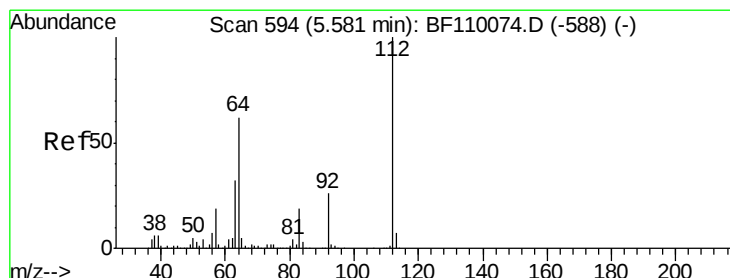
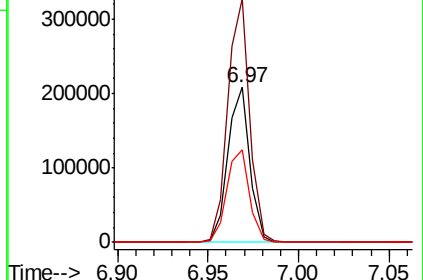
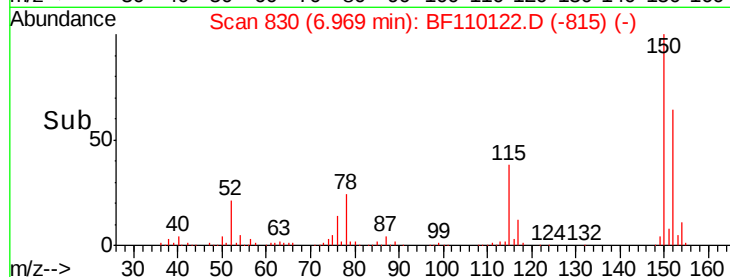
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 830
 Delta R.T. -0.01 min
 Lab File: BF110122.D
 Acq: 24 Oct 2018 18:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 175165
 Ion Ratio Lower Upper
 152 100
 150 156.9 122.7 184.1
 115 59.4 49.1 73.7

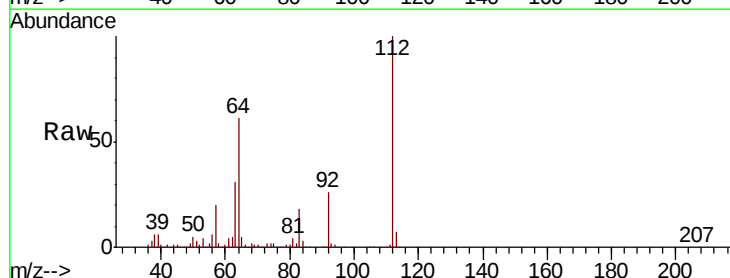


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

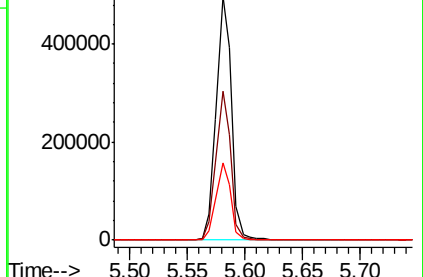
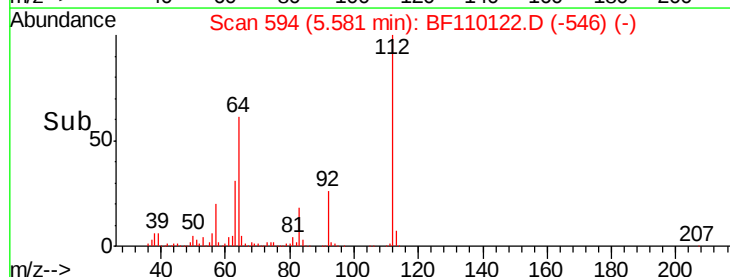


#5
 2-Fluorophenol
 Concen: 42.461 ng
 RT: 5.58 min Scan# 594
 Delta R.T. -0.02 min
 Lab File: BF110122.D
 Acq: 24 Oct 2018 18:32

Tgt Ion:112 Resp: 456731
 Ion Ratio Lower Upper
 112 100
 64 61.3 44.1 66.1
 63 31.5 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: 40.663 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF110122.D

Acq: 24 Oct 2018 18:32

Instrument :

BNA_F

ClientSampleId :

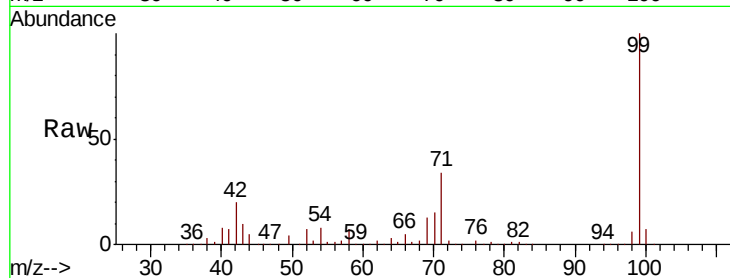
Tot Ion: 99 Resp: 559453

Ion Ratio Lower Upper

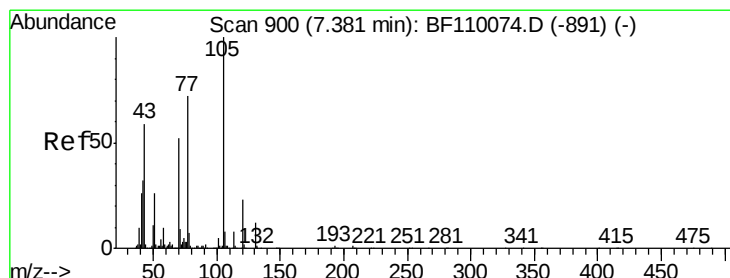
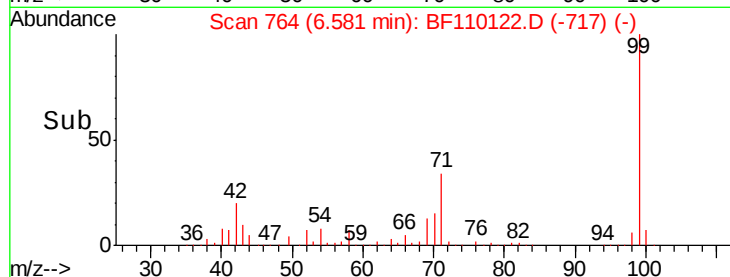
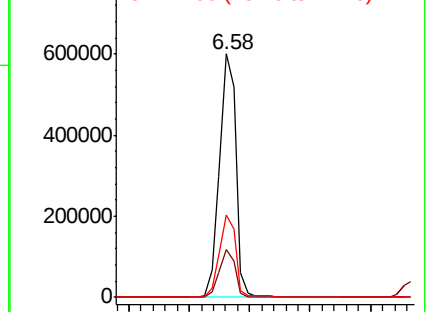
99 100

42 19.7 15.8 23.6

71 33.9 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



#19

n-Nitroso-di-n-propylamine

Concen: 4.655 ng

RT: 7.53 min Scan# 925

Delta R.T. 0.14 min

Lab File: BF110122.D

Acq: 24 Oct 2018 18:32

Tgt Ion: 70 Resp: 41087

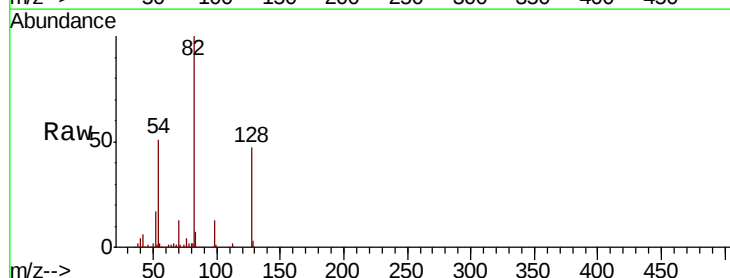
Ion Ratio Lower Upper

70 100

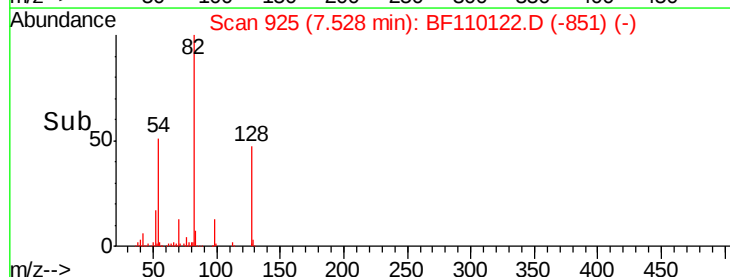
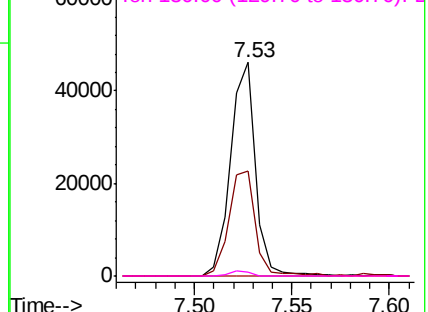
42 49.1 47.4 71.2

101 0.0 7.3 10.9#

130 2.0 16.2 24.2#



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): B
Ion 130.00 (129.70 to 130.70): B





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. -0.02 min

Lab File: BF110122.D

Acq: 24 Oct 2018 18:32

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 661294

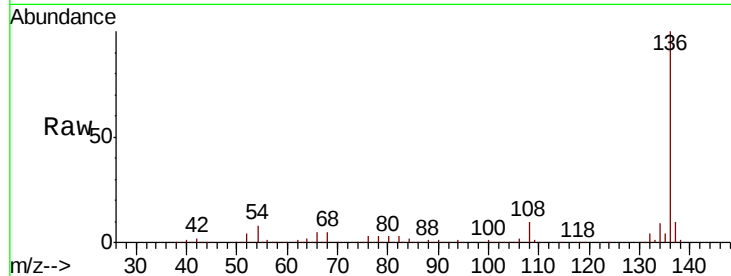
Ion Ratio Lower Upper

136 100

137 10.4 8.8 13.2

54 7.7 5.4 8.2

68 5.4 4.2 6.2

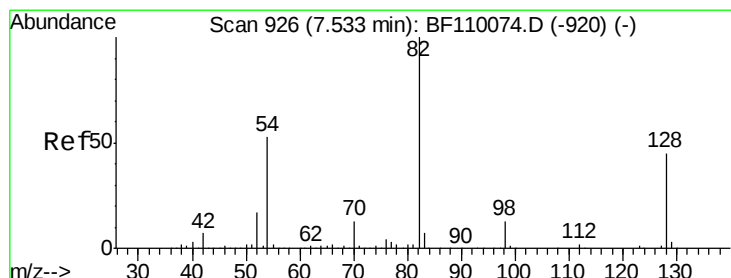
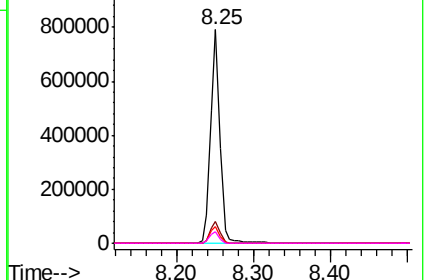
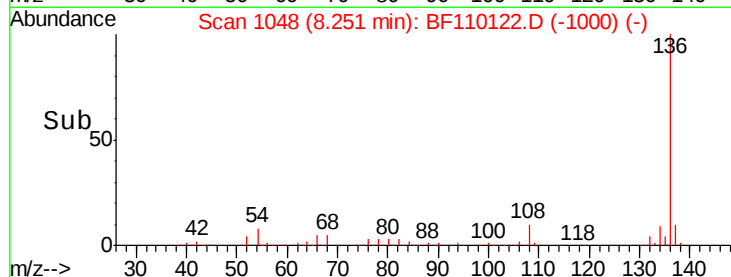


Abundance Ion 136.00 (135.70 to 136.70): E

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: 28.635 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.02 min

Lab File: BF110122.D

Acq: 24 Oct 2018 18:32

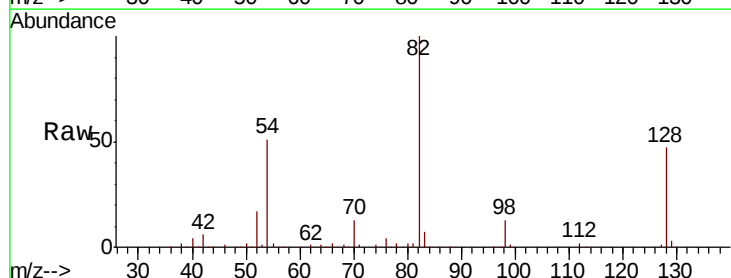
Tgt Ion: 82 Resp: 319257

Ion Ratio Lower Upper

82 100

128 46.5 34.2 51.2

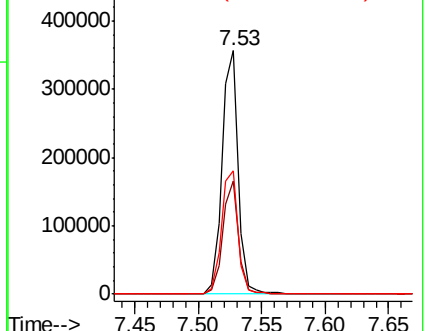
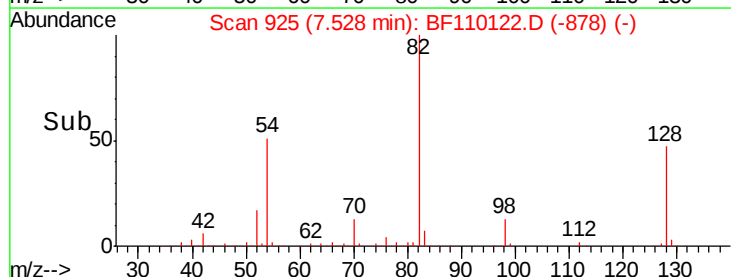
54 50.8 38.6 58.0

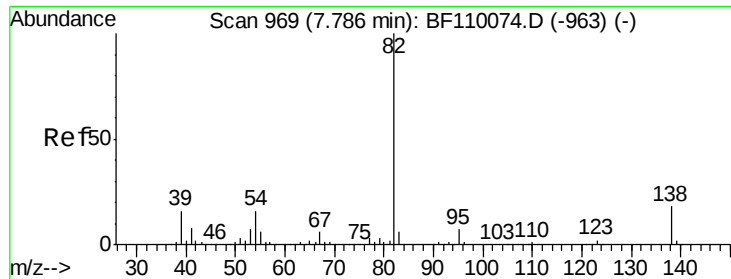


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 16.798 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.28 min

Lab File: BF110122.D

Acq: 24 Oct 2018 18:32

Instrument :

BNA_F

ClientSampleId :

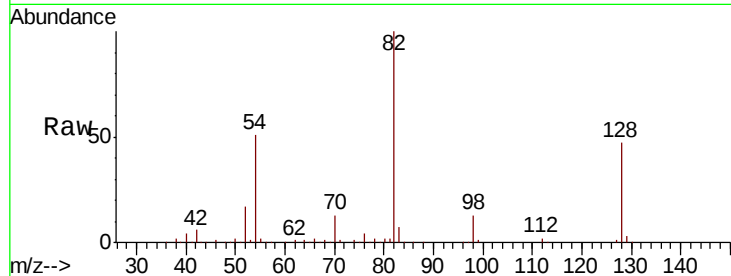
Tot Ion: 82 Resp: 319252

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

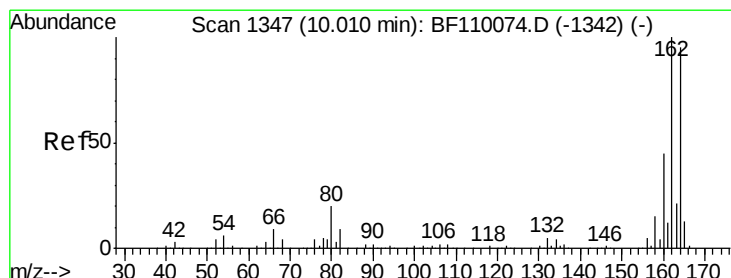
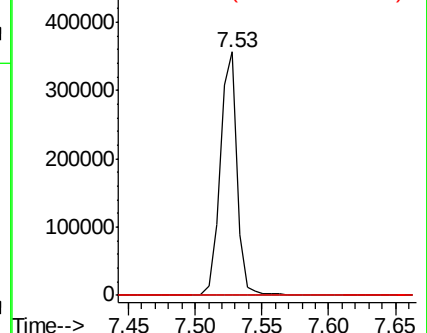
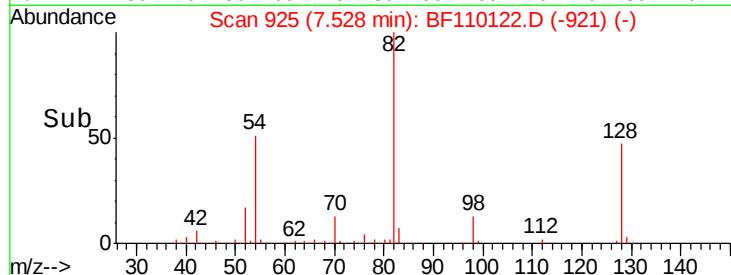
138 0.0 13.2 19.8#



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: 10.01 min Scan# 1347

Delta R.T. -0.02 min

Lab File: BF110122.D

Acq: 24 Oct 2018 18:32

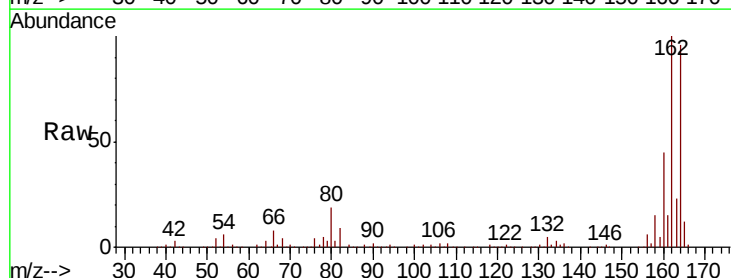
Tgt Ion:164 Resp: 264406

Ion Ratio Lower Upper

164 100

162 104.7 83.0 124.6

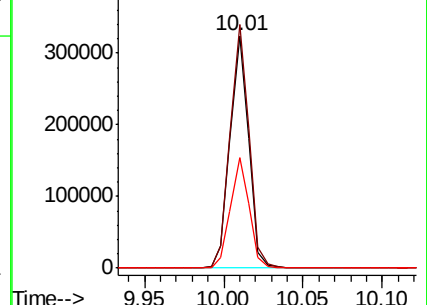
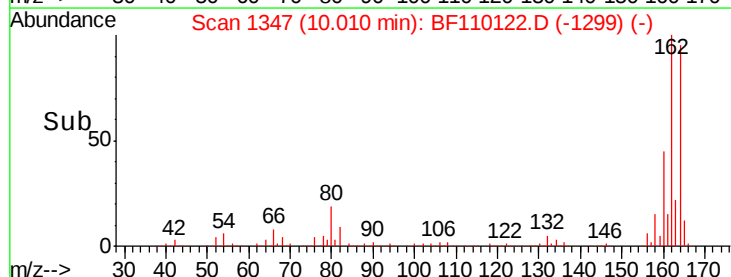
160 47.4 37.0 55.6

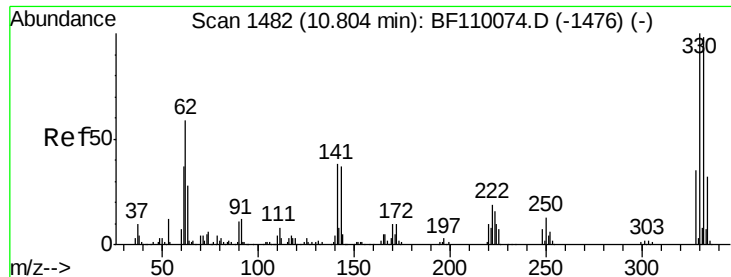


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

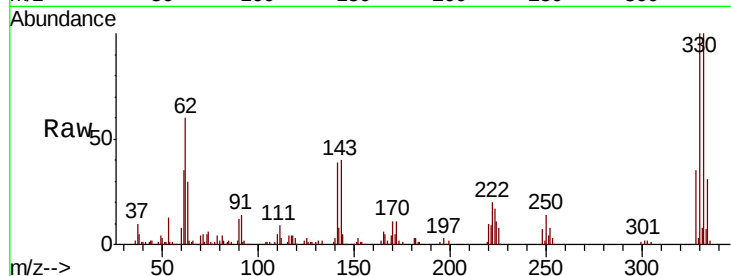




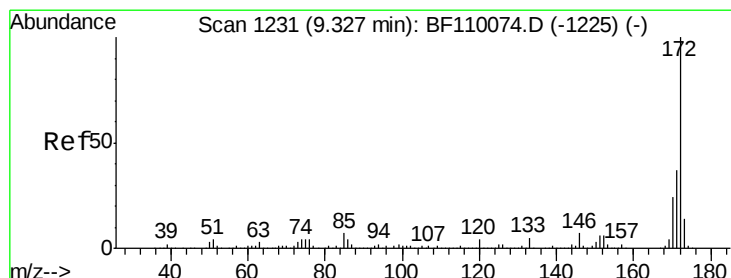
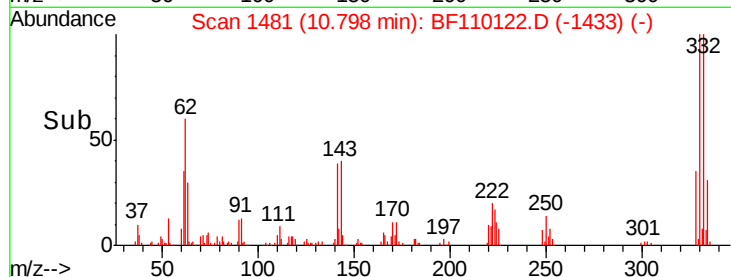
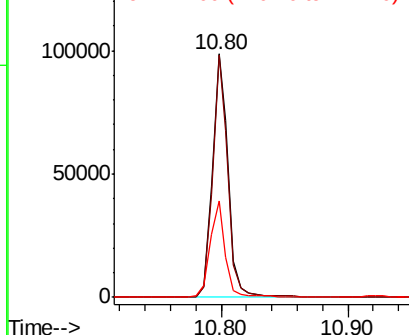
#42
 2,4,6-Tribromophenol
 Concen: 33.125 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.02 min
 Lab File: BF110122.D
 Acq: 24 Oct 2018 18:32

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.1	115.7
141	38.2	27.0	40.4

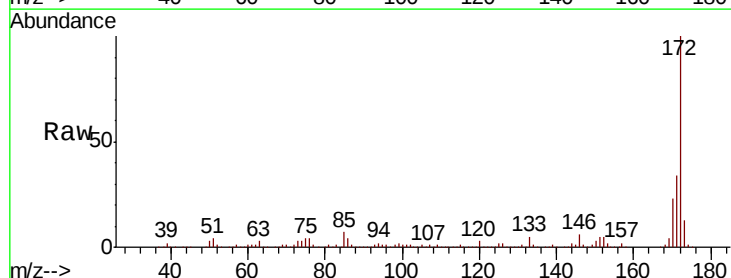


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

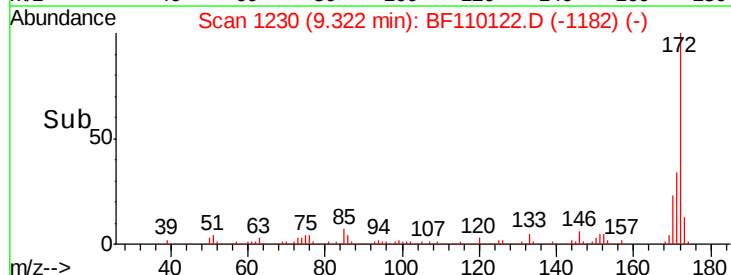
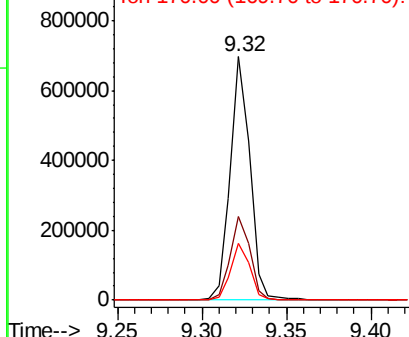


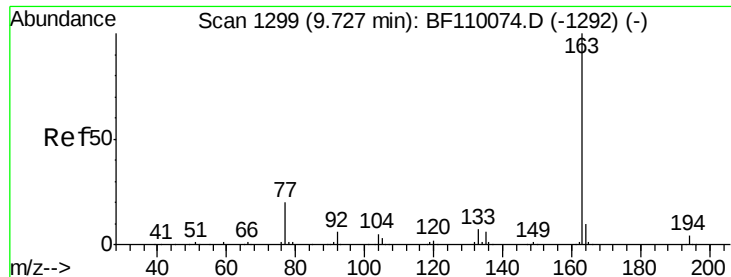
#45
 2-Fluorobiphenyl
 Concen: 33.607 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.02 min
 Lab File: BF110122.D
 Acq: 24 Oct 2018 18:32

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.4	28.6	43.0
170	23.2	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: 3.048 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF110122.D

Acq: 24 Oct 2018 18:32

Instrument :

BNA_F

ClientSampleId :

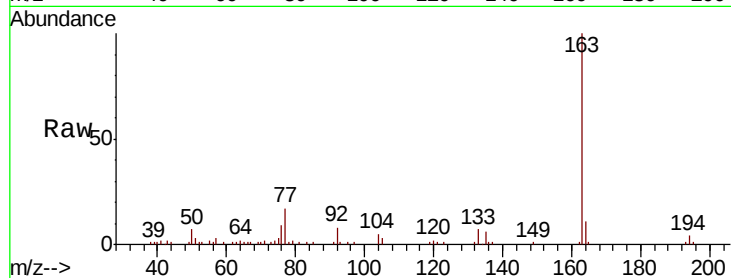
Tot Ion:163 Resp: 59492

Ion Ratio Lower Upper

163 100

194 3.7 3.2 4.8

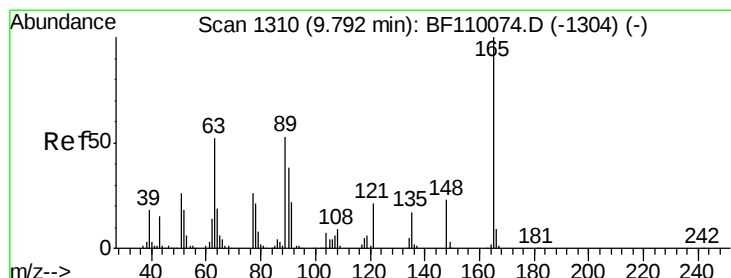
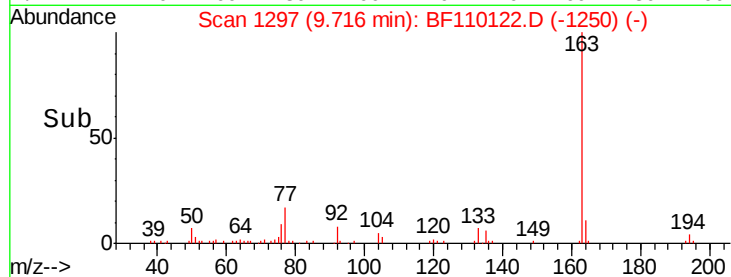
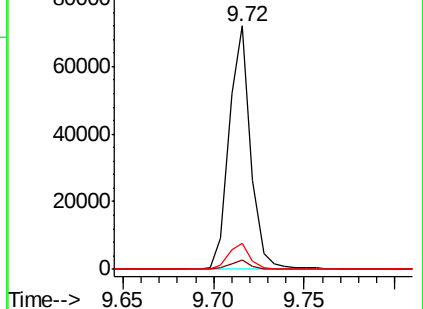
164 10.7 8.1 12.1



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: 8.009 ng

RT: 10.01 min Scan# 1347

Delta R.T. 0.21 min

Lab File: BF110122.D

Acq: 24 Oct 2018 18:32

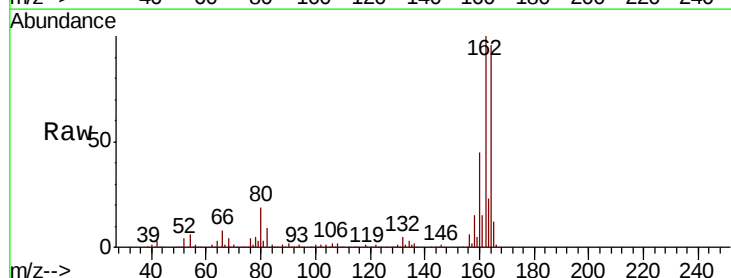
Tgt Ion:165 Resp: 33672

Ion Ratio Lower Upper

165 100

63 1.2 48.9 73.3#

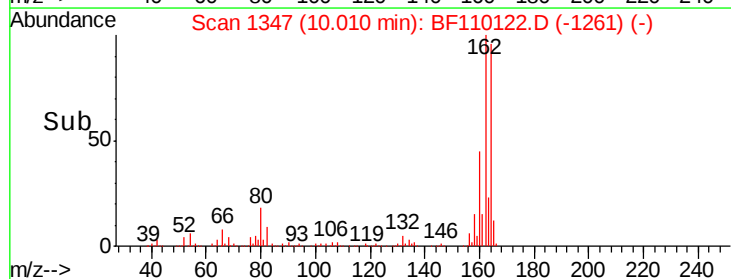
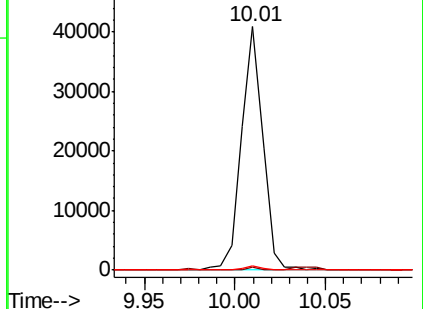
89 1.5 46.6 69.8#



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

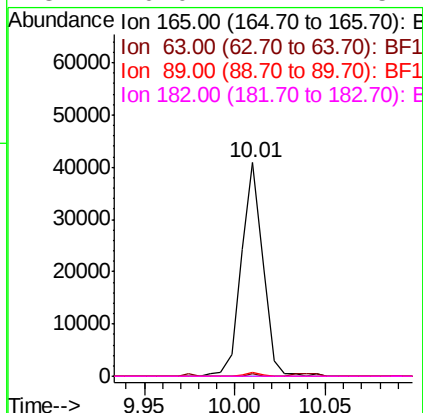
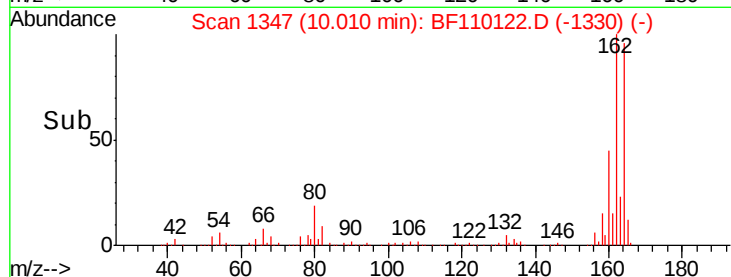
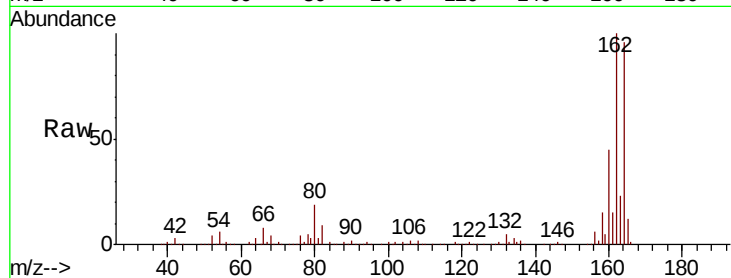




#57
2,4-Dinitrotoluene
Concen: 6.305 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.20 min
Lab File: BF110122.D
Acq: 24 Oct 2018 18:32

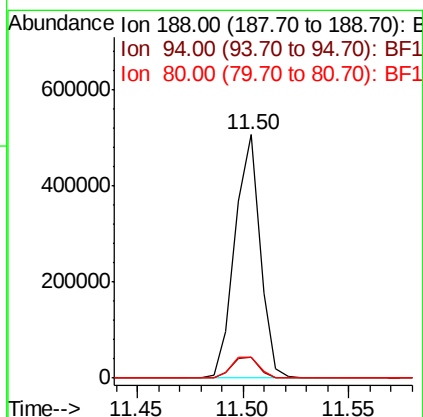
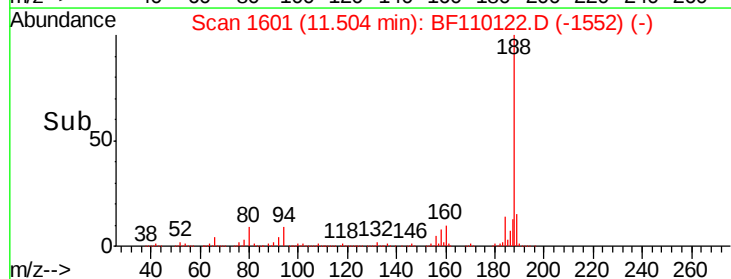
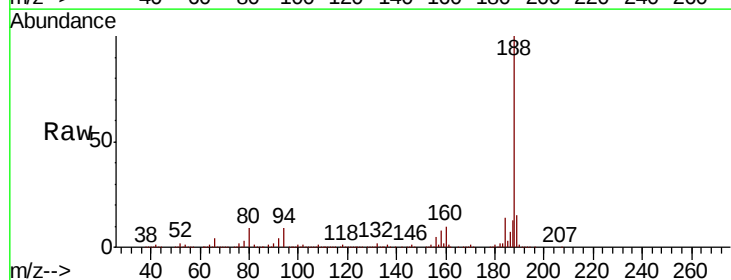
Instrument :
BNA_F
ClientSampleId :

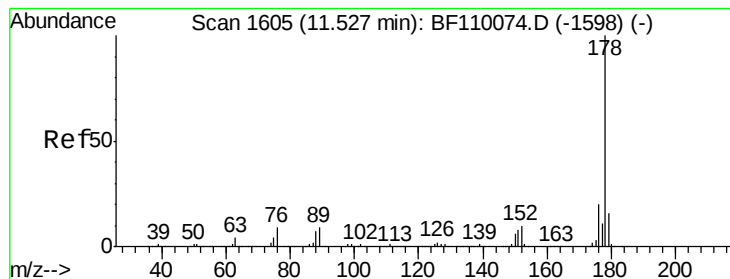
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	44.8	67.2#
89	1.5	62.2	93.4#
182	0.0	2.1	3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110122.D
Acq: 24 Oct 2018 18:32

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	7.2	10.8
80	8.7	7.9	11.9





#71

Phenanthrene

Concen: 6.136 ng

RT: 11.53 min Scan# 1605

Delta R.T. -0.02 min

Lab File: BF110122.D

Acq: 24 Oct 2018 18:32

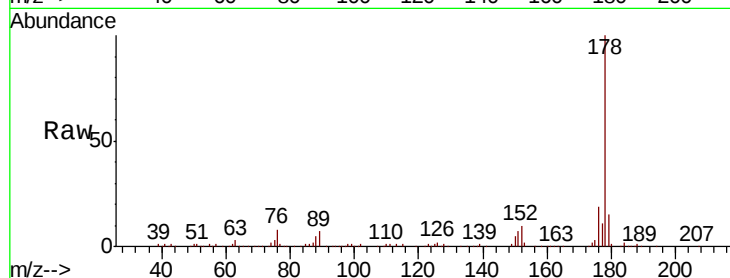
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 134235

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.5	23.3
179	14.5	12.5	18.7

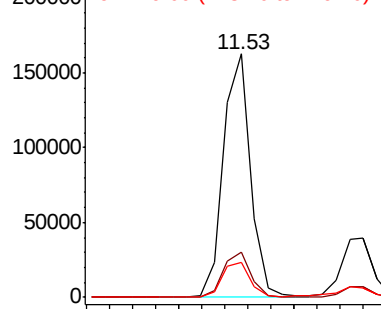


Abundance

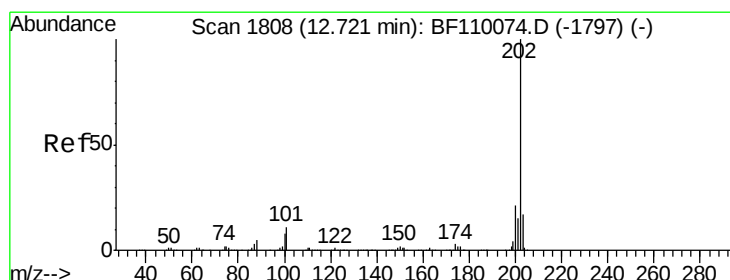
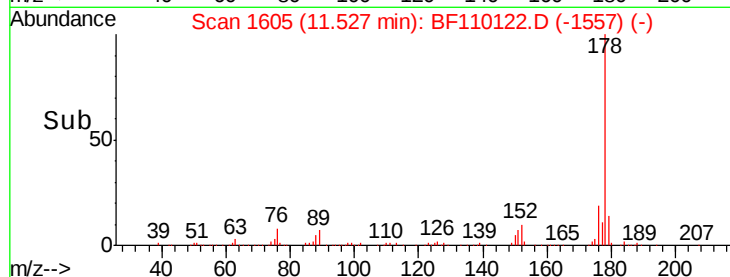
Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#75

Fluoranthene

Concen: 11.605 ng

RT: 12.72 min Scan# 1808

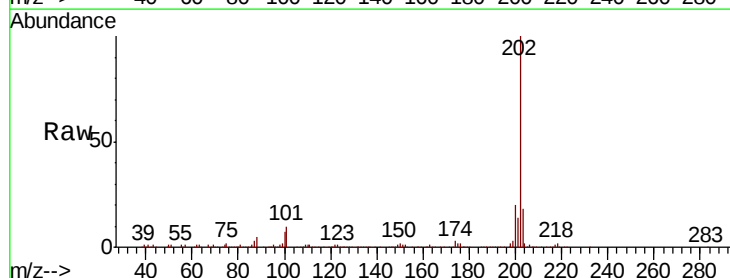
Delta R.T. -0.01 min

Lab File: BF110122.D

Acq: 24 Oct 2018 18:32

Tgt Ion:202 Resp: 257650

Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	31.4
203	18.4	0.0	37.7

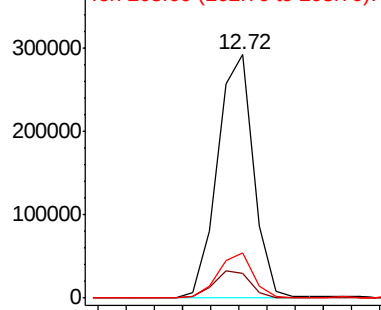


Abundance

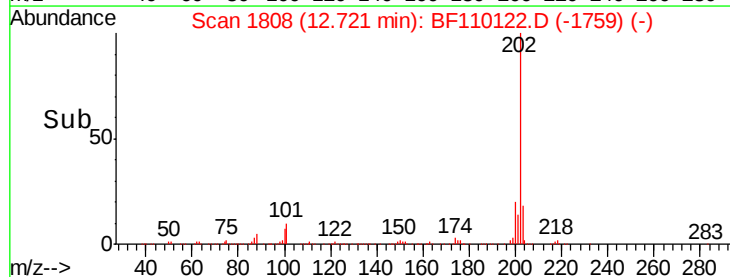
Ion 202.00 (201.70 to 202.70): E

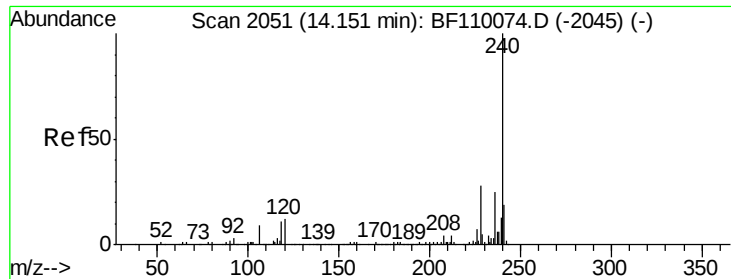
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->

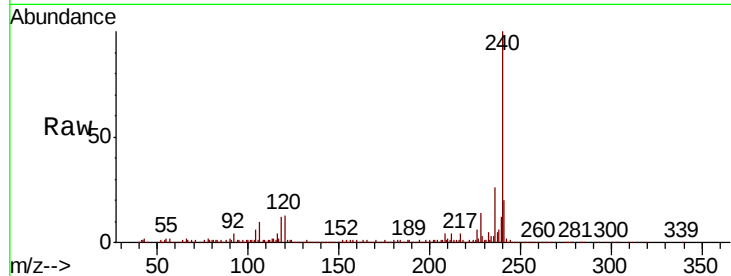




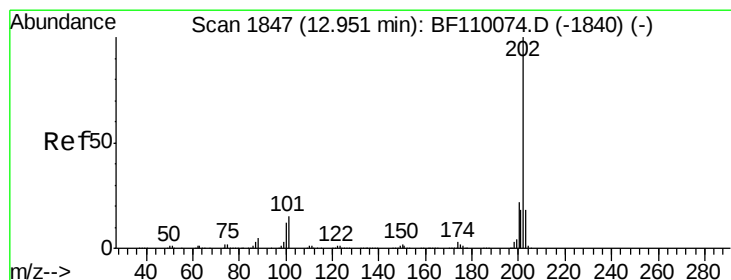
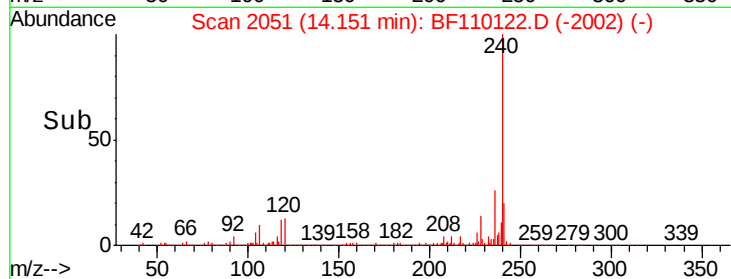
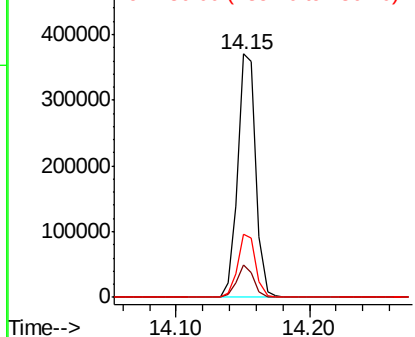
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF110122.D
Acq: 24 Oct 2018 18:32

Instrument :
BNA_F
ClientSampled :

Tot Ion:240 Resp: 351624
Ion Ratio Lower Upper
240 100
120 13.3 8.3 12.5#
236 25.8 21.2 31.8

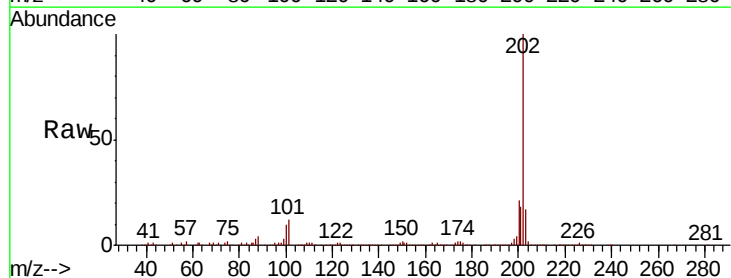


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

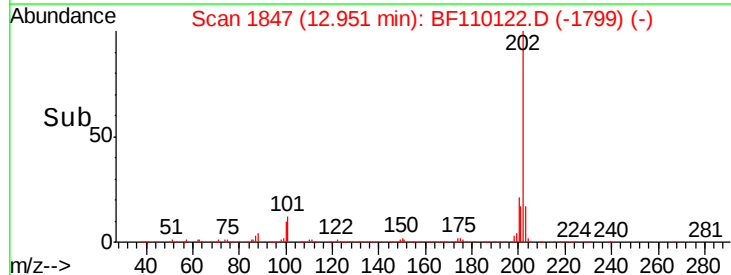
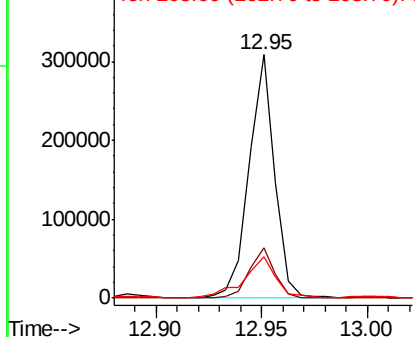


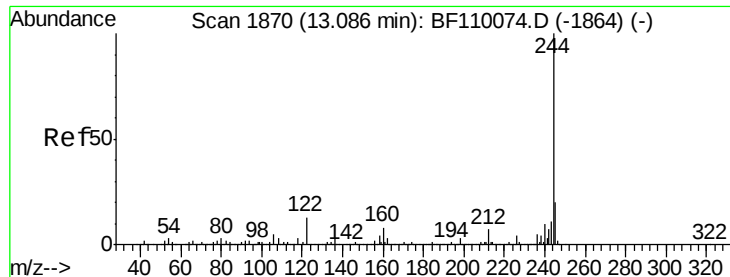
#78
Pyrene
Concen: 10.258 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.02 min
Lab File: BF110122.D
Acq: 24 Oct 2018 18:32

Tgt Ion:202 Resp: 258597
Ion Ratio Lower Upper
202 100
200 20.7 17.8 26.6
203 16.9 14.2 21.4



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

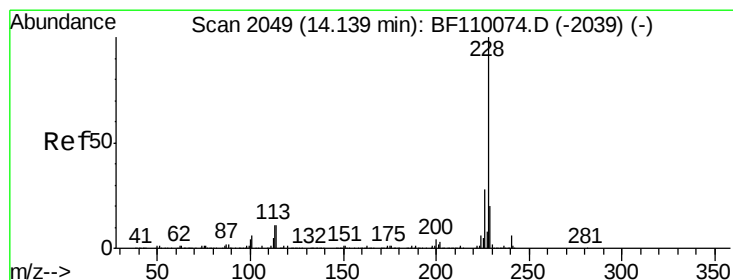
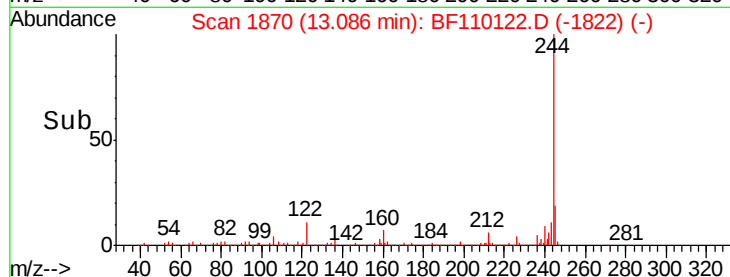
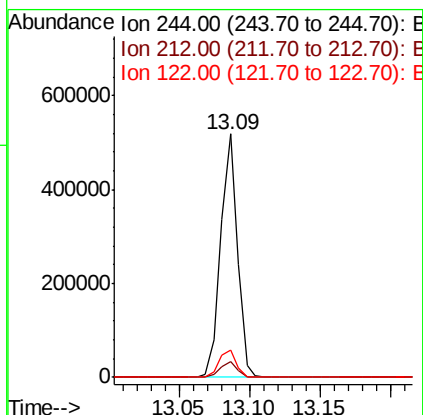
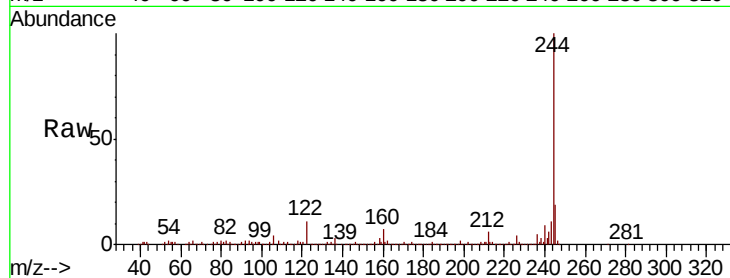




#79
 Terphenyl-d14
 Concen: 25.305 ng
 RT: 13.09 min Scan# 1870
 Delta R.T. -0.02 min
 Lab File: BF110122.D
 Acq: 24 Oct 2018 18:32

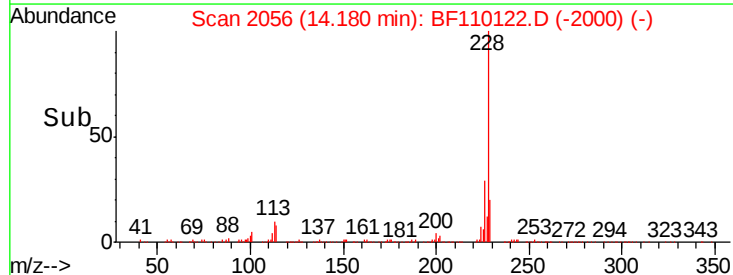
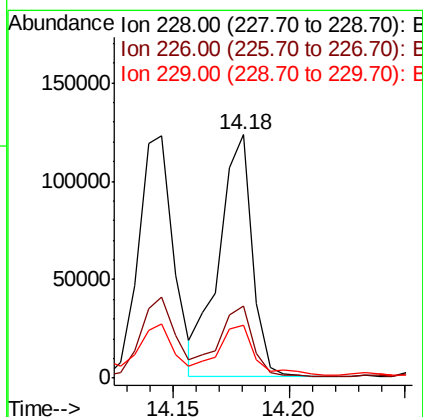
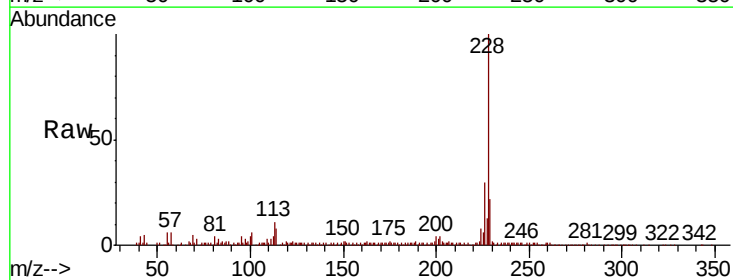
Instrument :
 BNA_F
 ClientSampleId :

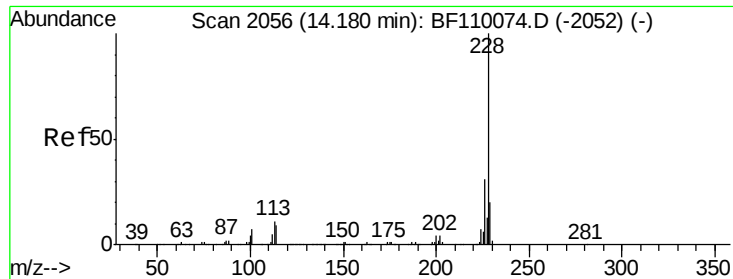
Tot Ion:244 Resp: 427834
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.8 8.8
 122 11.1 8.7 13.1



#81
 Benzo(a)anthracene
 Concen: 5.910 ng
 RT: 14.18 min Scan# 2056
 Delta R.T. 0.03 min
 Lab File: BF110122.D
 Acq: 24 Oct 2018 18:32

Tgt Ion:228 Resp: 123228
 Ion Ratio Lower Upper
 228 100
 226 29.6 22.1 33.1
 229 21.5 15.6 23.4

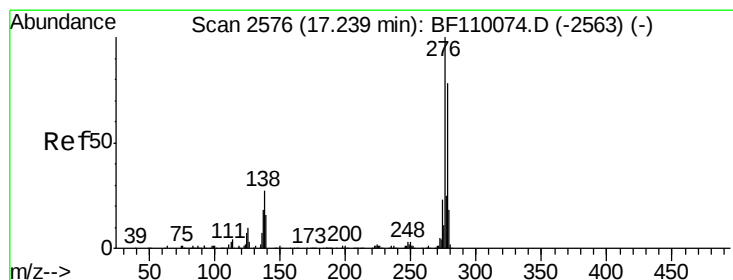
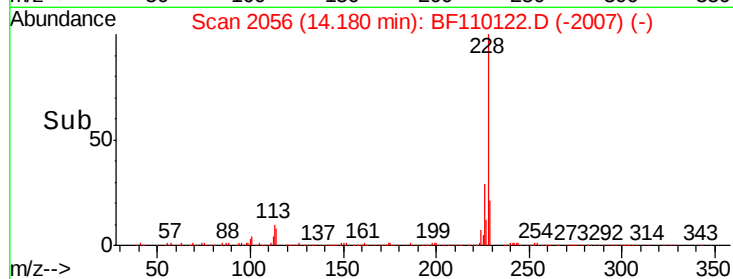
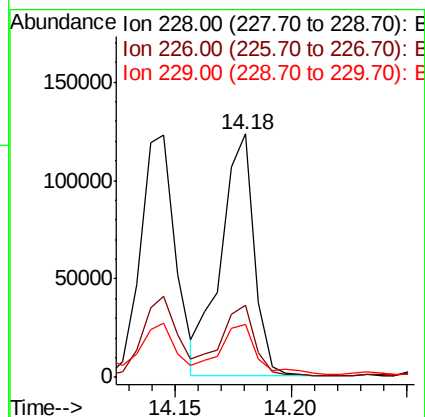
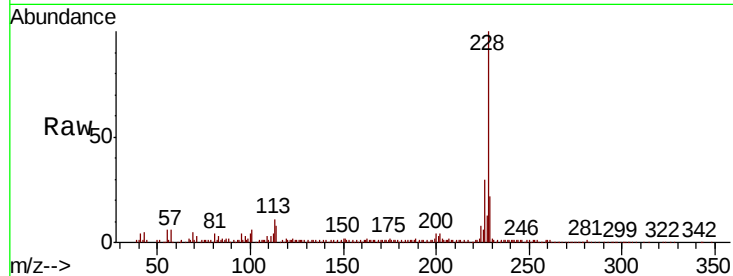




#83
Chrysene
Concen: 6.222 ng
RT: 14.18 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BF110122.D
Acq: 24 Oct 2018 18:32

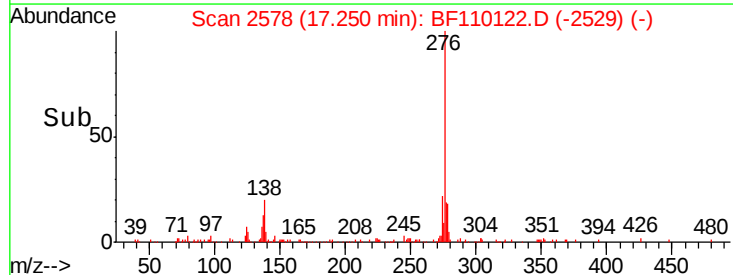
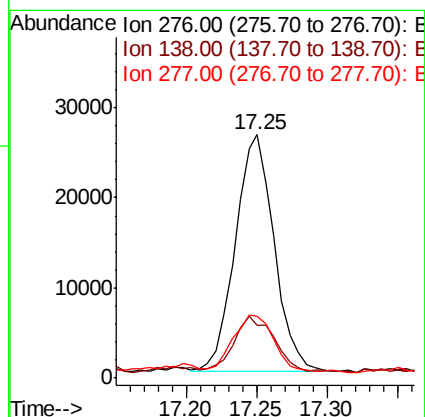
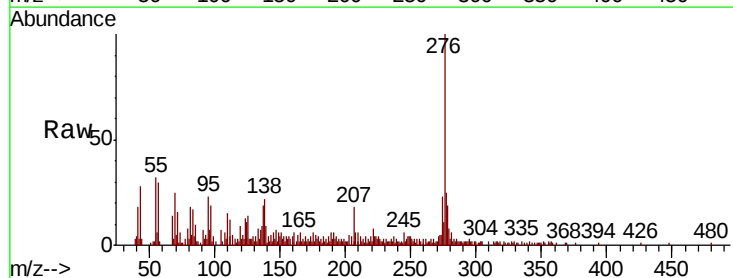
Instrument :
BNA_F
ClientSampleId :

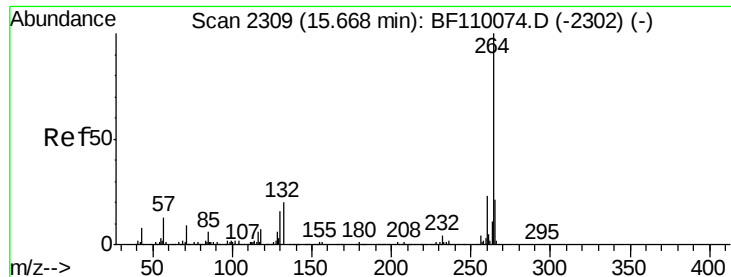
Tot Ion:228 Resp: 123228
Ion Ratio Lower Upper
228 100
226 29.6 24.7 37.1
229 21.5 15.9 23.9



#86
Indeno(1,2,3-cd)pyrene
Concen: 3.041 ng
RT: 17.25 min Scan# 2578
Delta R.T. -0.01 min
Lab File: BF110122.D
Acq: 24 Oct 2018 18:32

Tgt Ion:276 Resp: 49961
Ion Ratio Lower Upper
276 100
138 25.3 18.5 27.7
277 25.4 20.0 30.0

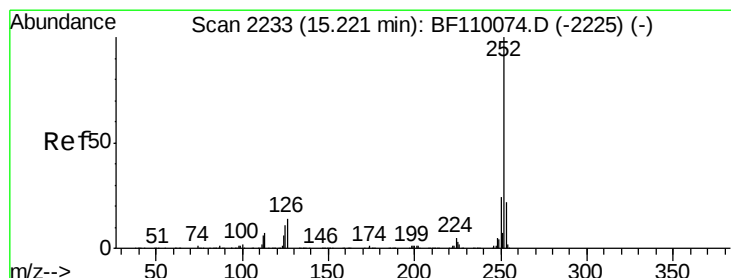
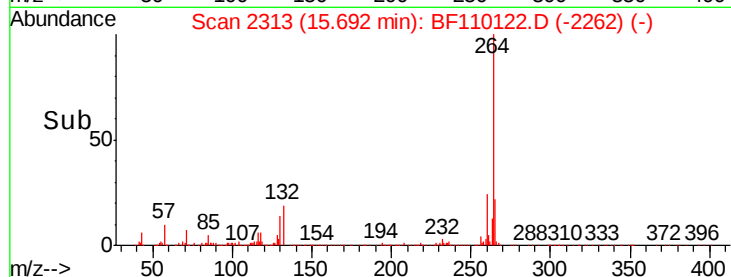
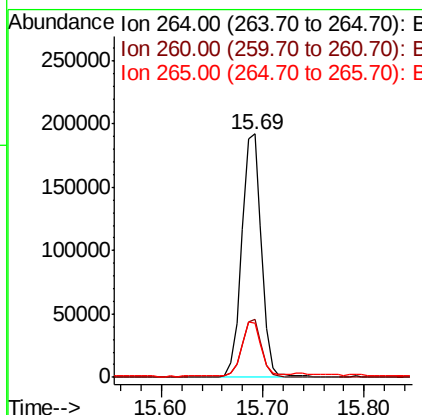
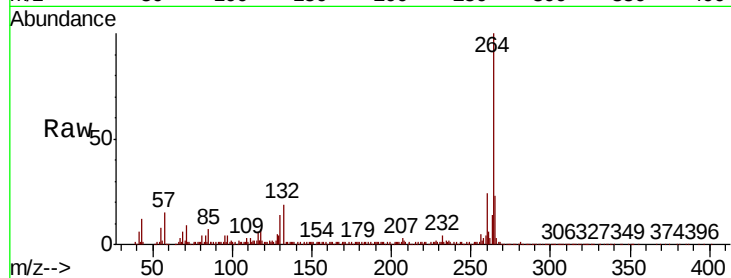




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2313
Delta R.T. -0.00 min
Lab File: BF110122.D
Acq: 24 Oct 2018 18:32

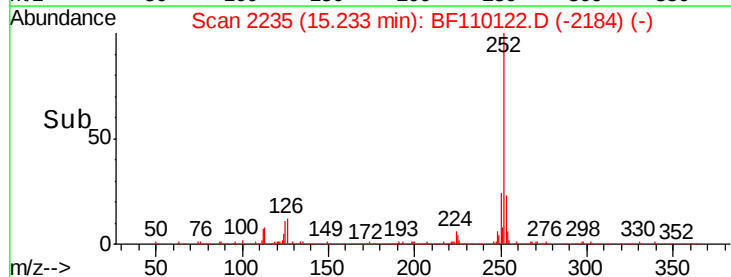
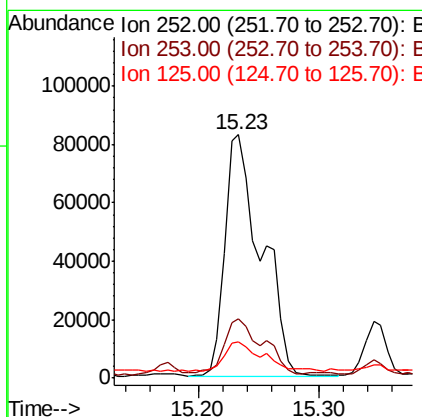
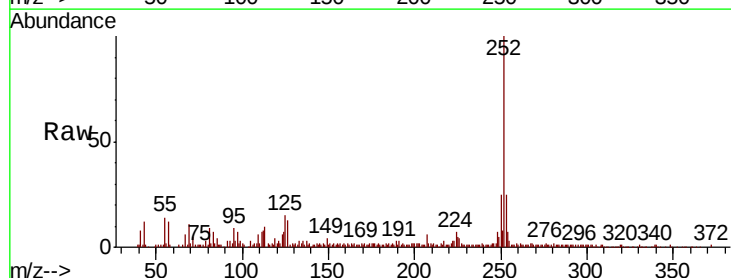
Instrument :
BNA_F
ClientSampleId :

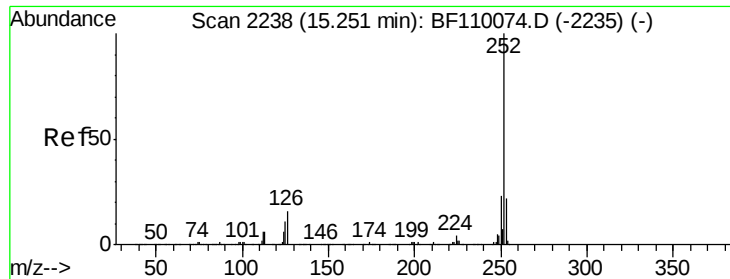
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.7	28.1
265	22.5	16.7	25.1



#88
Benzo(b)fluoranthene
Concen: 11.686 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.00 min
Lab File: BF110122.D
Acq: 24 Oct 2018 18:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.2	25.8
125	15.1	8.2	12.4#

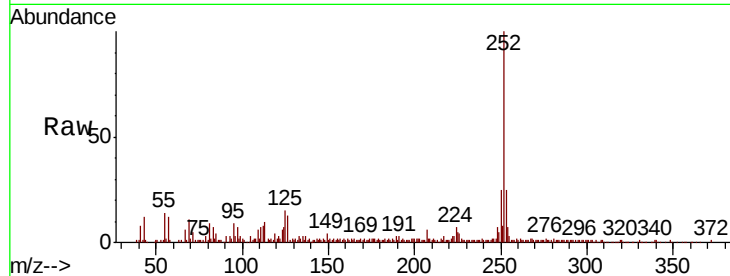




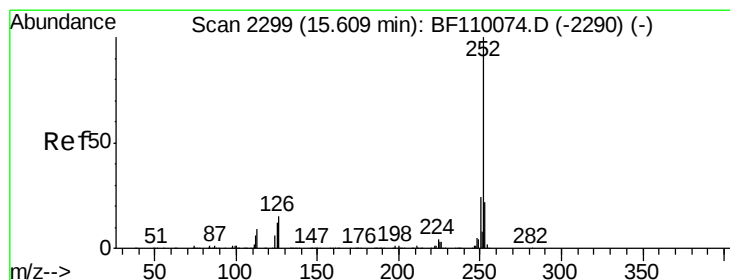
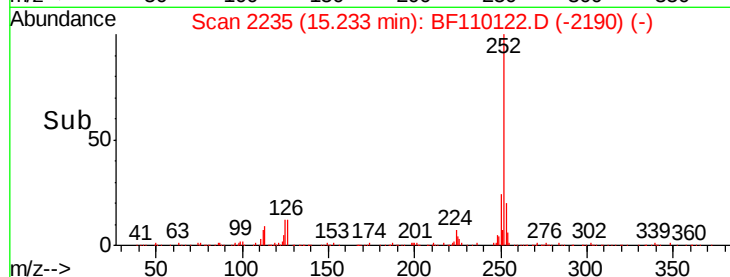
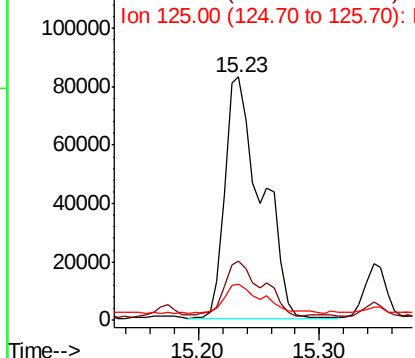
#89
Benzo(k)fluoranthene
Concen: 11.887 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.04 min
Lab File: BF110122.D
Acq: 24 Oct 2018 18:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 172642
Ion Ratio Lower Upper
252 100
253 24.6 17.2 25.8
125 15.1 7.4 11.0#

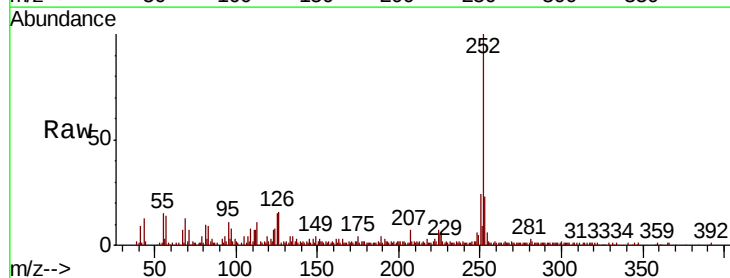


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

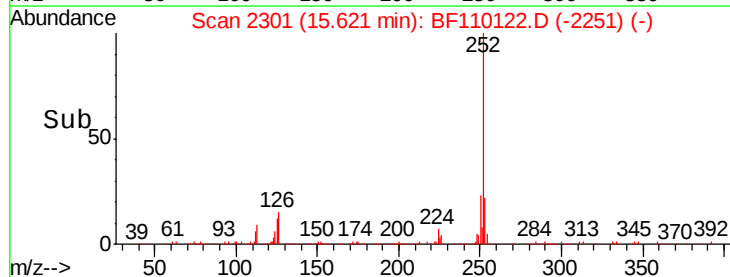
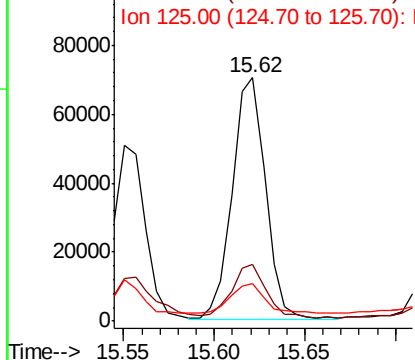


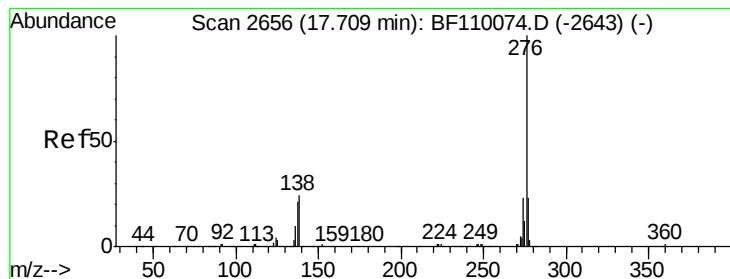
#90
Benzo(a)pyrene
Concen: 6.563 ng
RT: 15.62 min Scan# 2301
Delta R.T. -0.01 min
Lab File: BF110122.D
Acq: 24 Oct 2018 18:32

Tgt Ion:252 Resp: 89219
Ion Ratio Lower Upper
252 100
253 23.2 18.2 27.4
125 15.3 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





#92

Benzo(a,h,i)perylene

Concen: 4.251 ng

RT: 17.72 min Scan# 2658

Delta R.T. -0.02 min

Lab File: BF110122.D

Acq: 24 Oct 2018 18:32

Instrument :

BNA_F

ClientSampleId :

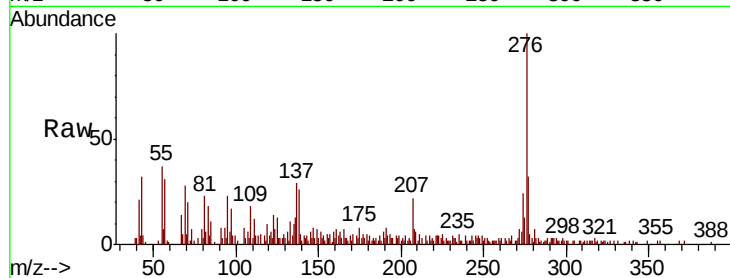
Tot Ion:276 Resp: 49139

Ion Ratio Lower Upper

276 100

277 32.0 18.8 28.2#

138 26.2 16.0 24.0#



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

