

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
 Data File : BF110112.D
 Acq On : 24 Oct 2018 13:57
 Operator : JU/SJ
 Sample : J5610-05 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 25 02:10:48 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

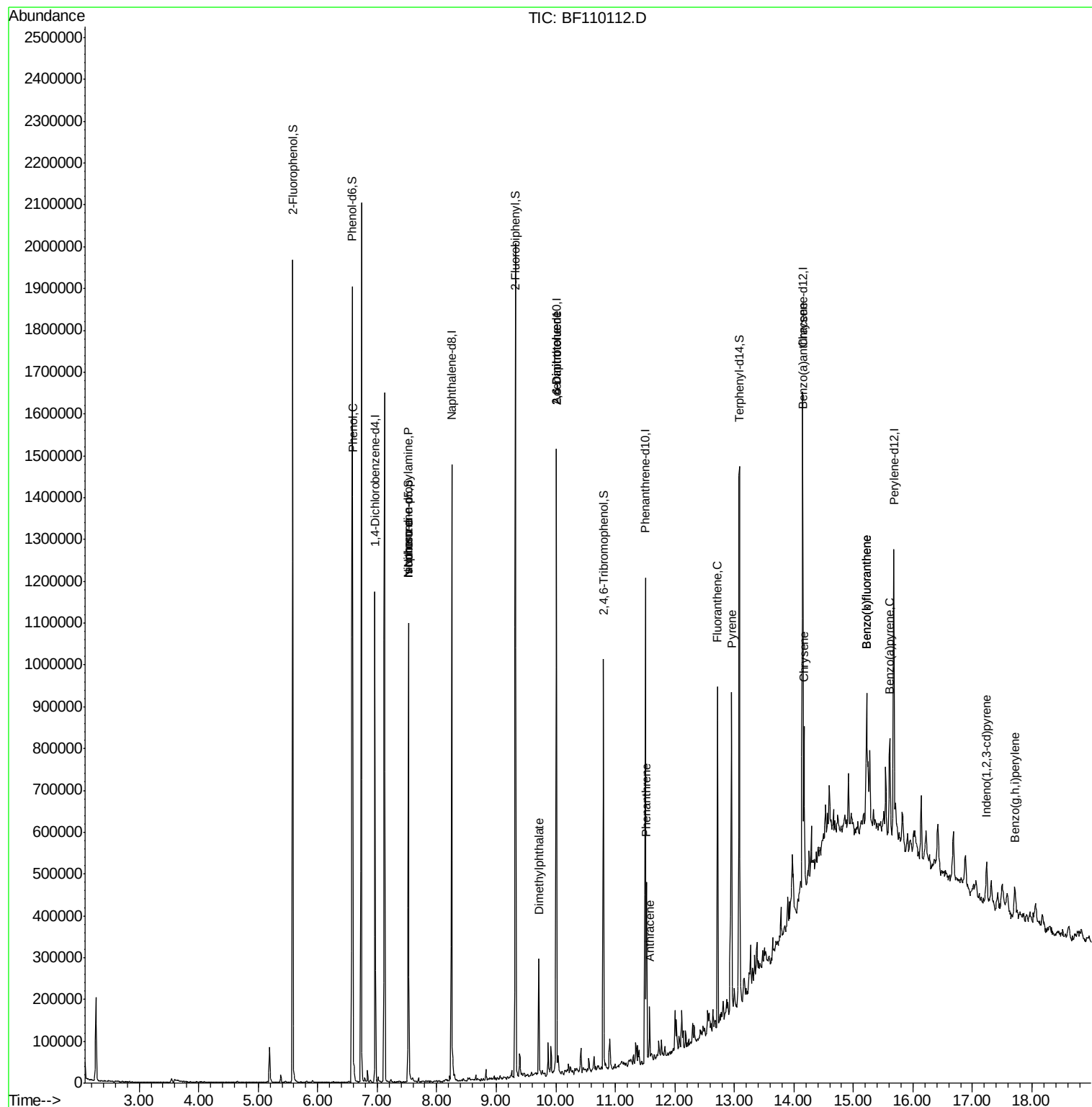
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	175299	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	660735	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	274150	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	440408	20.00	ng	-0.01
76) Chrysene-d12	14.15	240	350973	20.00	ng	-0.01
87) Perylene-d12	15.68	264	254616	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	504058	46.82	ng	-0.02
7) Phenol-d6	6.58	99	621826	45.16	ng	-0.02
23) Nitrobenzene-d5	7.53	82	353773	31.76	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	100736	37.09	ng	-0.02
45) 2-Fluorobiphenyl	9.32	172	554296	31.75	ng	-0.02
79) Terphenyl-d14	13.09	244	436779	25.88	ng	-0.02
Target Compounds						
10) Phenol	6.59	94	55008	3.737	ng	Qvalue # 63
19) n-Nitroso-di-n-propylamine	7.53	70	47398	5.366	ng	# 80
25) Isophorone	7.53	82	353770	18.630	ng	# 67
50) Dimethylphthalate	9.72	163	97769	4.831	ng	98
51) 2,6-Dinitrotoluene	10.01	165	35995	8.257	ng	# 23
57) 2,4-Dinitrotoluene	10.01	165	35995	6.501	ng	# 19
71) Phenanthrene	11.53	178	156317	6.783	ng	98
72) Anthracene	11.57	178	51772	2.241	ng	98
75) Fluoranthene	12.72	202	323783	13.844	ng	99
78) Pyrene	12.95	202	296320	11.777	ng	97
81) Benzo(a)anthracene	14.14	228	170487	8.191	ng	97
83) Chrysene	14.17	228	145902	7.380	ng	97
86) Indeno(1,2,3-cd)pyrene	17.24	276	65704	4.006	ng	99
88) Benzo(b)fluoranthene	15.22	252	213694	14.534	ng	# 93
89) Benzo(k)fluoranthene	15.22	252	213694	14.784	ng	# 93
90) Benzo(a)pyrene	15.61	252	104063	7.692	ng	# 94
92) Benzo(a,h,i)perylene	17.72	276	60395	5.250	ng	# 93

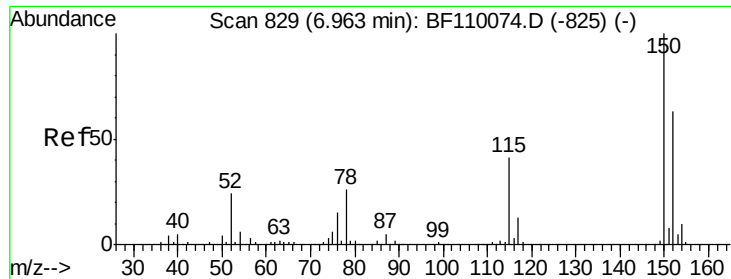
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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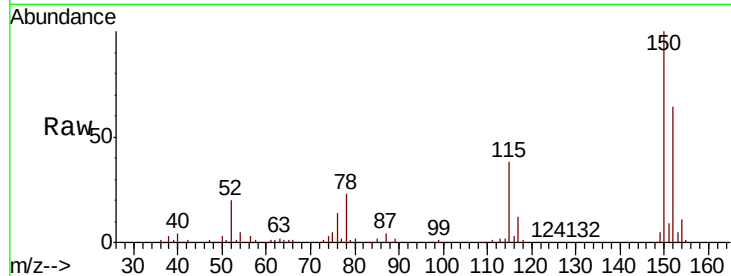


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110112.D
Acq: 24 Oct 2018 13:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	122.7	184.1
115	60.0	49.1	73.7

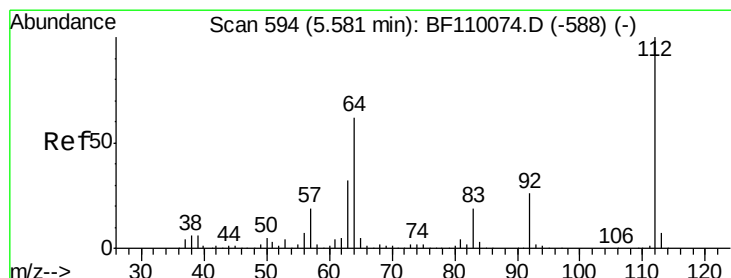
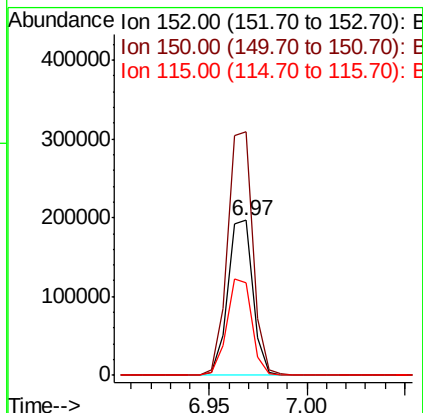
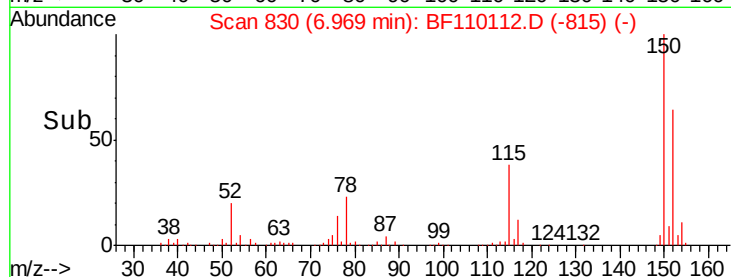


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

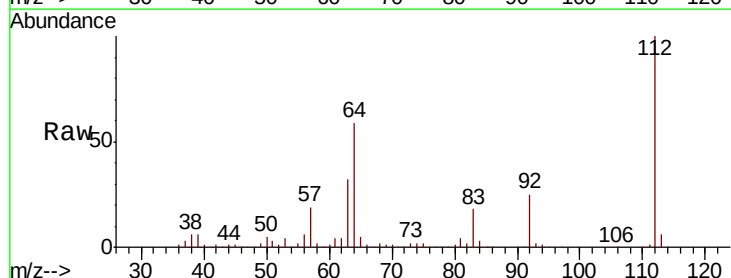
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 46.825 ng
RT: 5.58 min Scan# 594
Delta R.T. -0.02 min
Lab File: BF110112.D
Acq: 24 Oct 2018 13:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.3	44.1	66.1
63	32.1	23.7	35.5

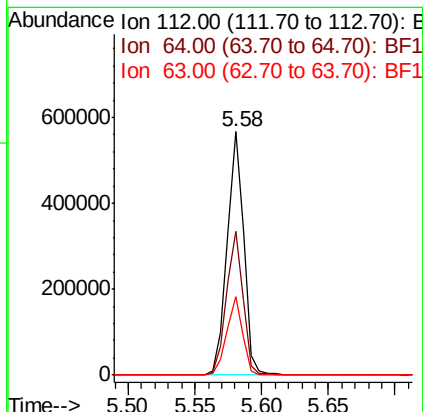
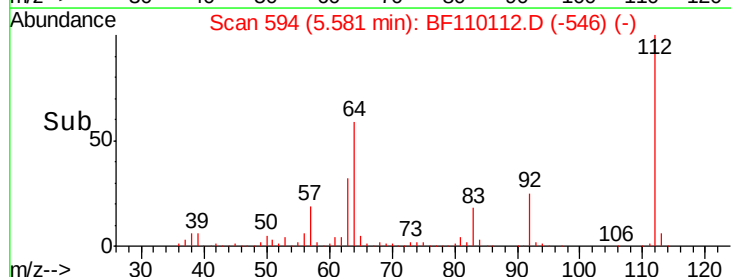


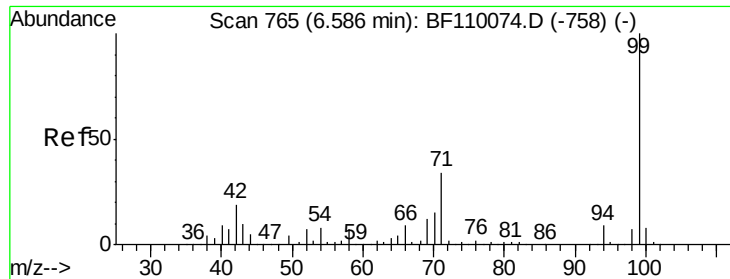
Abundance

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: 45.161 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF110112.D

Acq: 24 Oct 2018 13:57

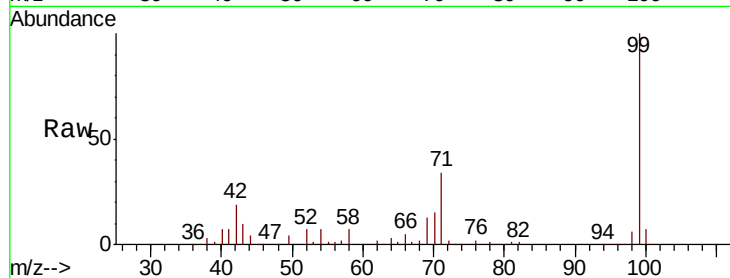
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 621826

Ion	Ratio	Lower	Upper
99	100		
42	19.0	15.8	23.6
71	34.3	28.0	42.0

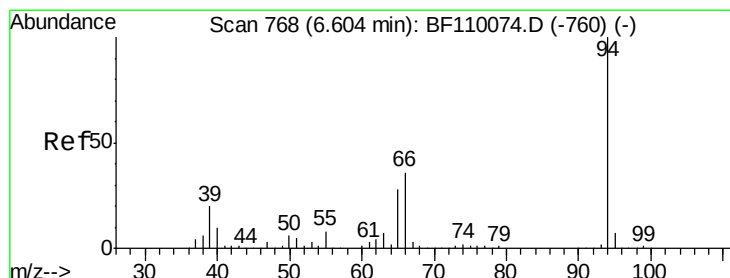
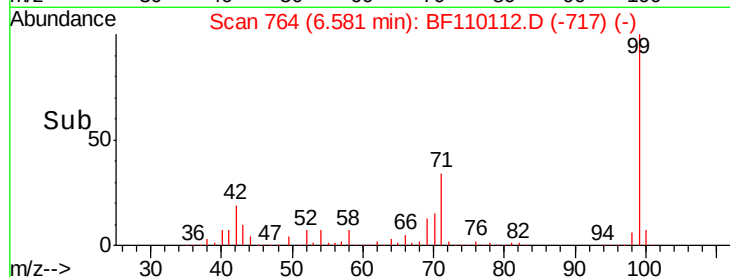
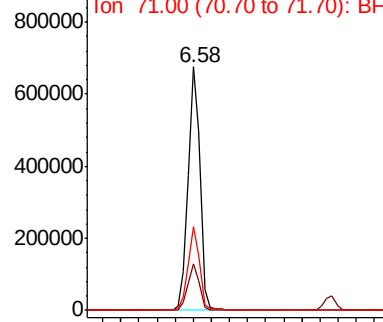


Abundance

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: 3.737 ng

RT: 6.59 min Scan# 766

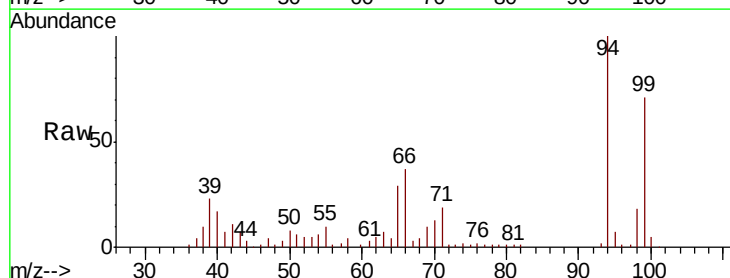
Delta R.T. -0.02 min

Lab File: BF110112.D

Acq: 24 Oct 2018 13:57

Tgt Ion: 94 Resp: 55008

Ion	Ratio	Lower	Upper
94	100		
65	28.9	25.3	65.3
66	37.4	54.5	94.5#

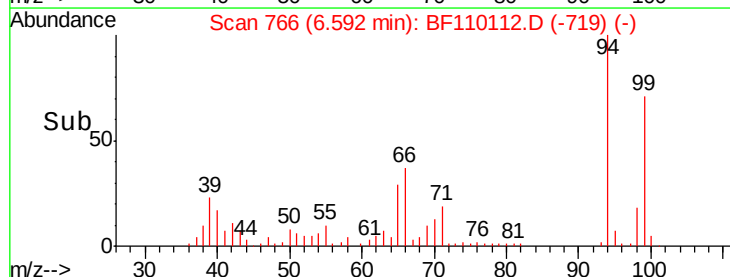
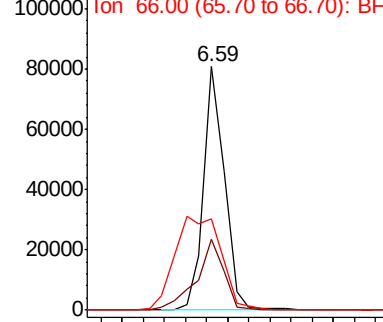


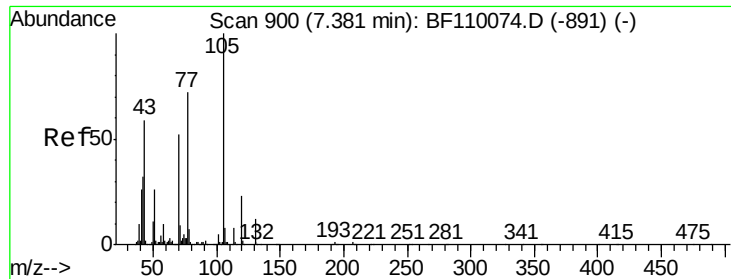
Abundance

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

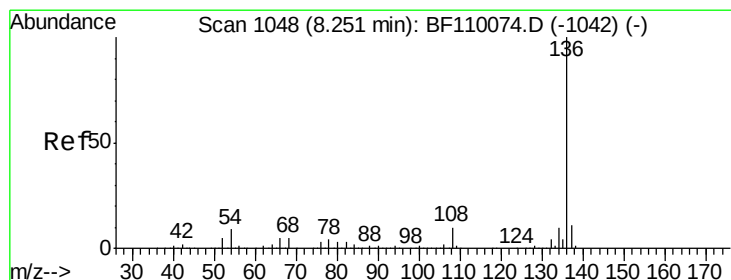
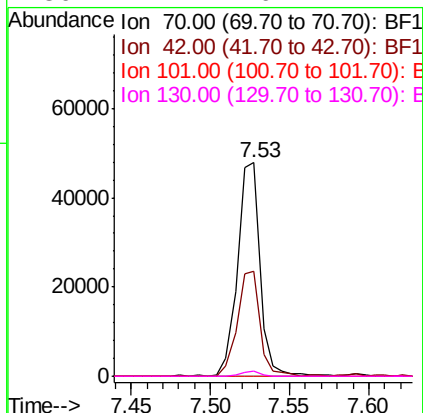
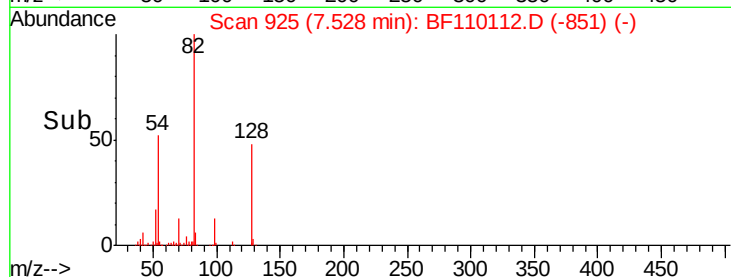
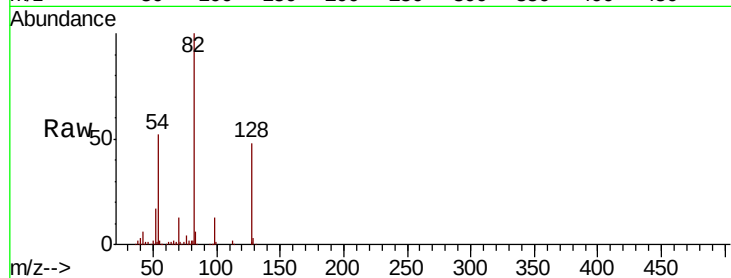




#19
n-Nitroso-di-n-propylamine
Concen: 5.366 ng
RT: 7.53 min Scan# 925
Delta R.T. 0.14 min
Lab File: BF110112.D
Acq: 24 Oct 2018 13:57

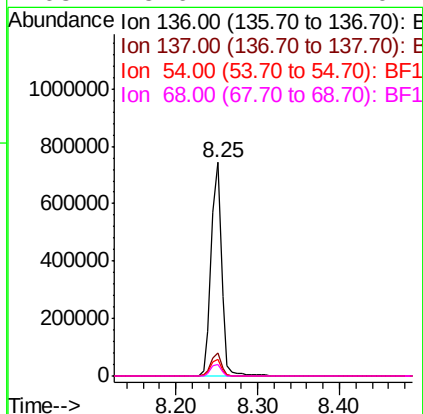
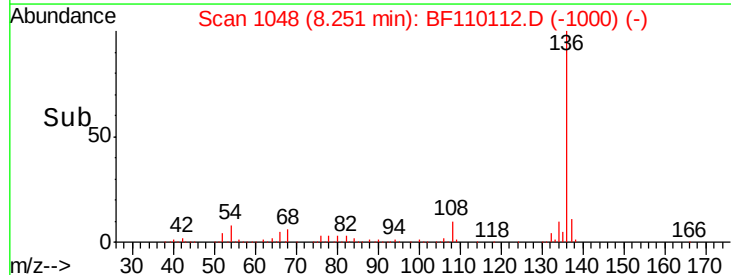
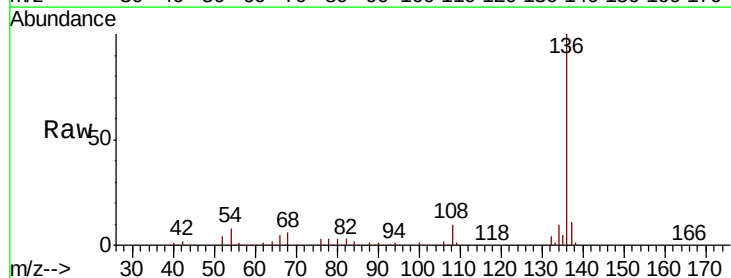
Instrument :
BNA_F
ClientSampleId :

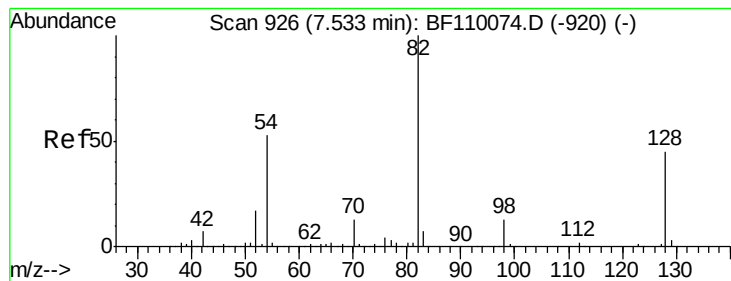
Tot Ion	Ratio	Lower	Upper
70	100		
42	49.4	47.4	71.2
101	0.0	7.3	10.9#
130	2.4	16.2	24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.02 min
Lab File: BF110112.D
Acq: 24 Oct 2018 13:57

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.9	5.4	8.2
68	5.6	4.2	6.2





#23

Nitrobenzene-d5

Concen: 31.758 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.02 min

Lab File: BF110112.D

Acq: 24 Oct 2018 13:57

Instrument :

BNA_F

ClientSampled :

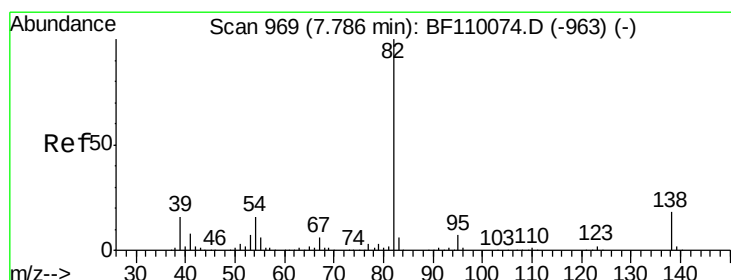
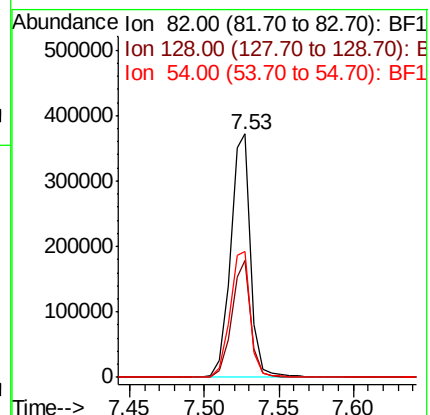
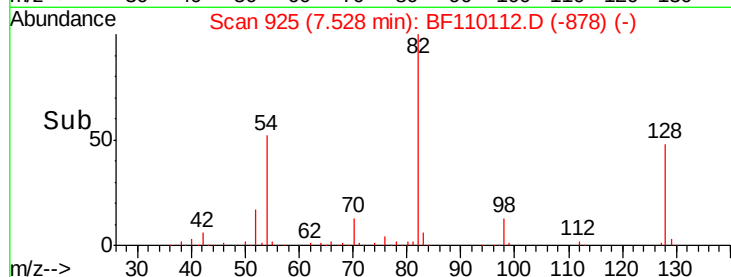
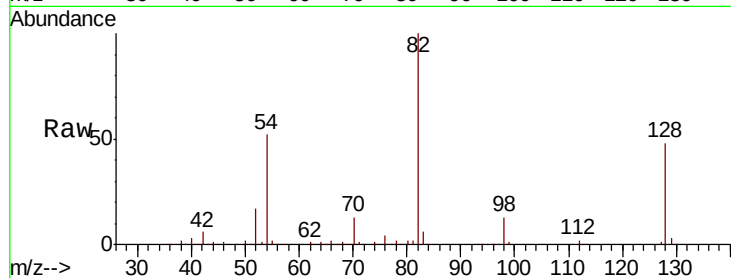
Tot Ion: 82 Resp: 353773

Ion Ratio Lower Upper

82 100

128 47.8 34.2 51.2

54 51.5 38.6 58.0



#25

Isophorone

Concen: 18.630 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.28 min

Lab File: BF110112.D

Acq: 24 Oct 2018 13:57

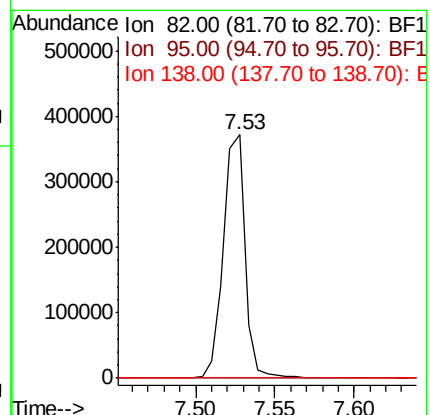
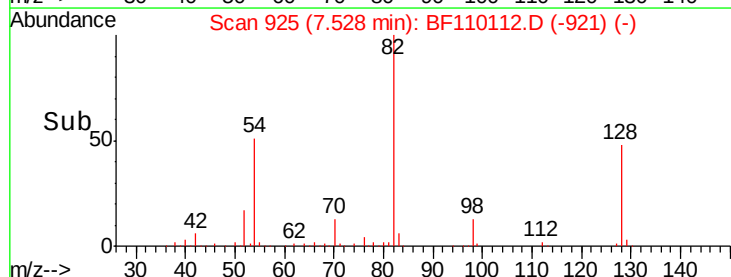
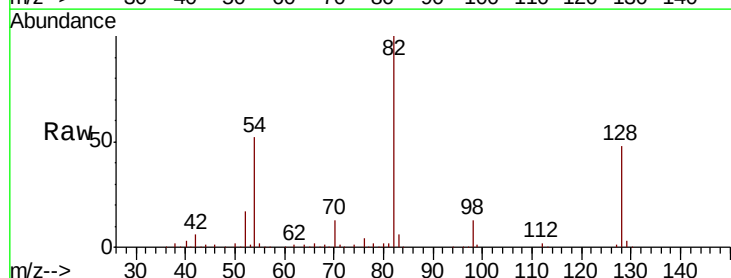
Tgt Ion: 82 Resp: 353770

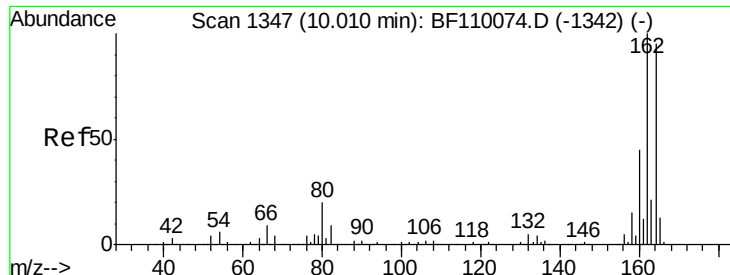
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 13.2 19.8#

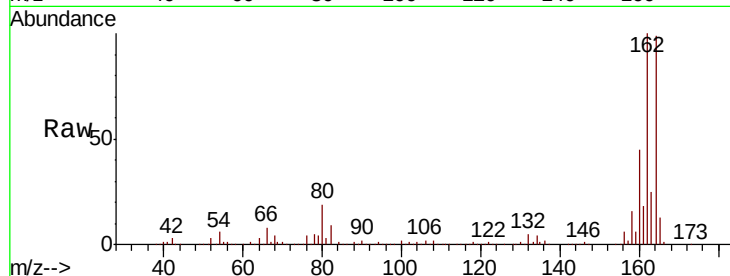




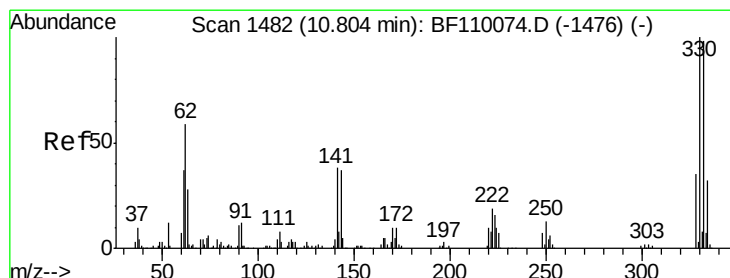
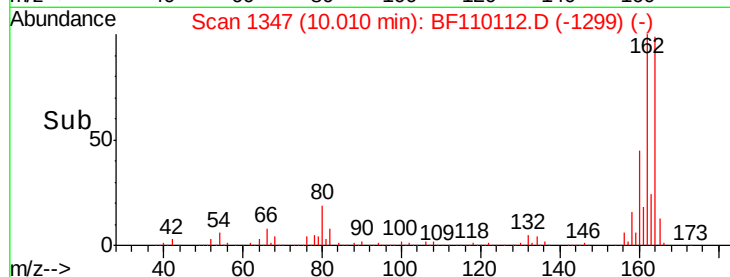
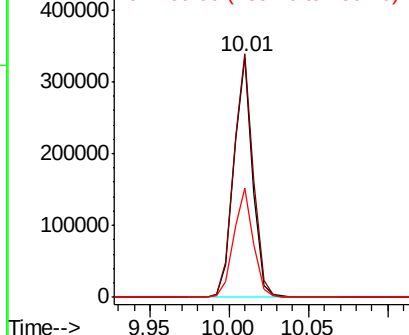
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.02 min
Lab File: BF110112.D
Acq: 24 Oct 2018 13:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 274150
Ion Ratio Lower Upper
164 100
162 101.3 83.0 124.6
160 45.5 37.0 55.6

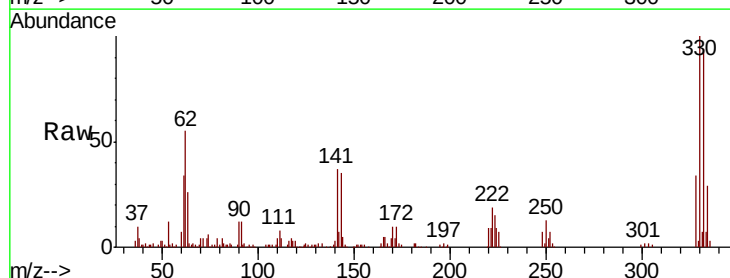


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

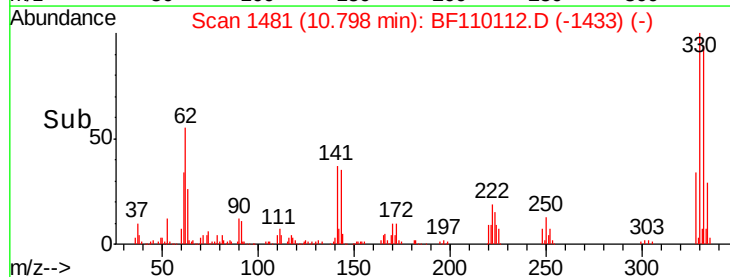
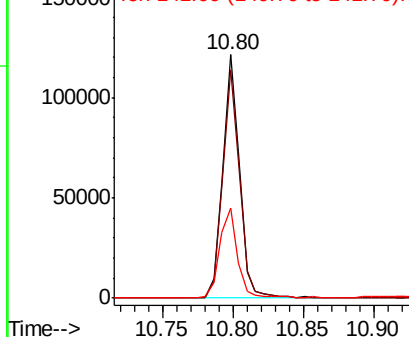


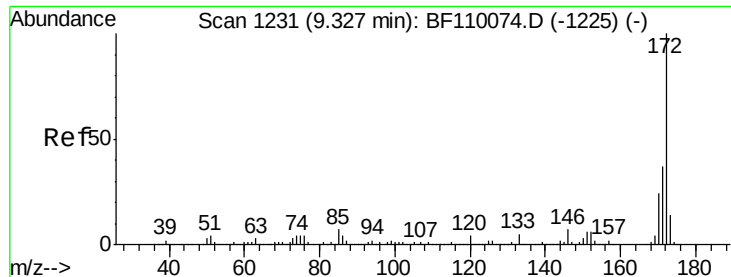
#42
2,4,6-Tribromophenol
Concen: 37.095 ng
RT: 10.80 min Scan# 1481
Delta R.T. -0.02 min
Lab File: BF110112.D
Acq: 24 Oct 2018 13:57

Tgt Ion:330 Resp: 100736
Ion Ratio Lower Upper
330 100
332 94.9 77.1 115.7
141 39.5 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

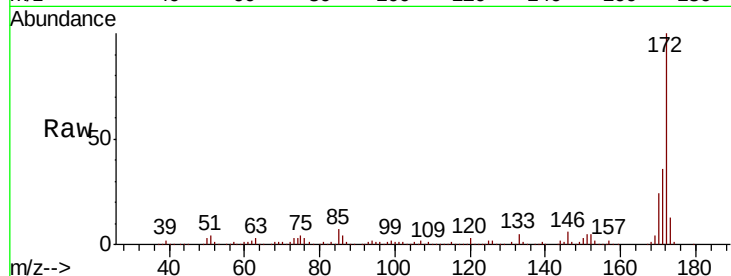




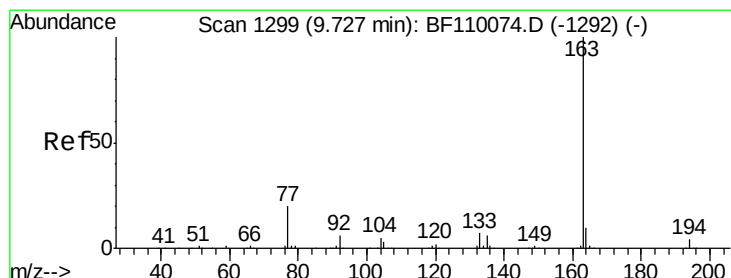
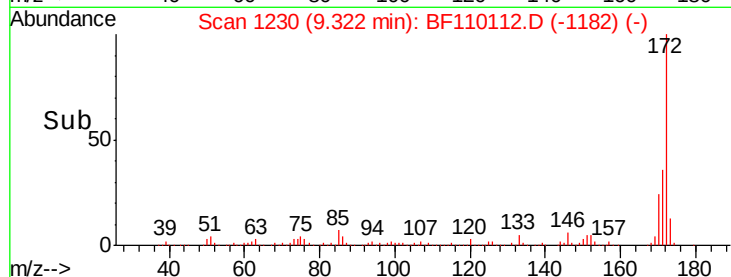
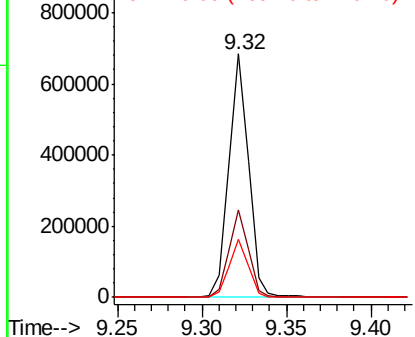
#45
2-Fluorobiphenyl
Concen: 31.749 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.02 min
Lab File: BF110112.D
Acq: 24 Oct 2018 13:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.6	43.0
170	23.7	19.7	29.5

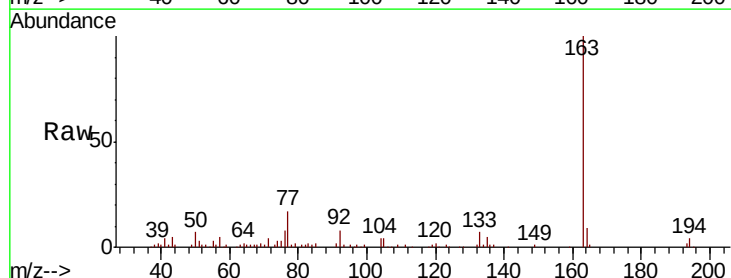


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

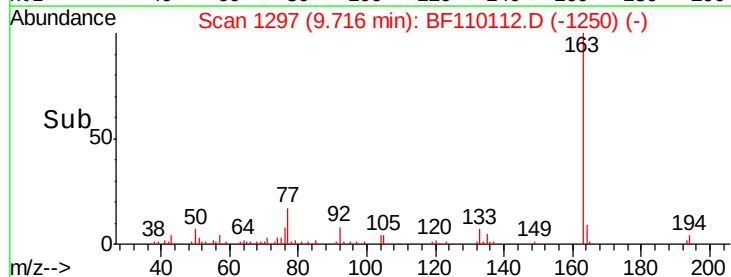
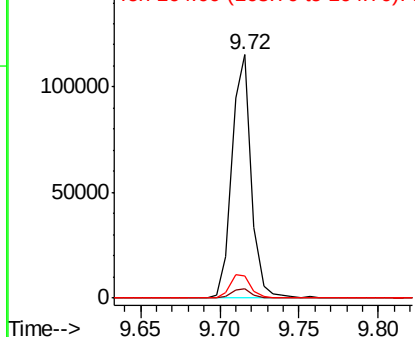


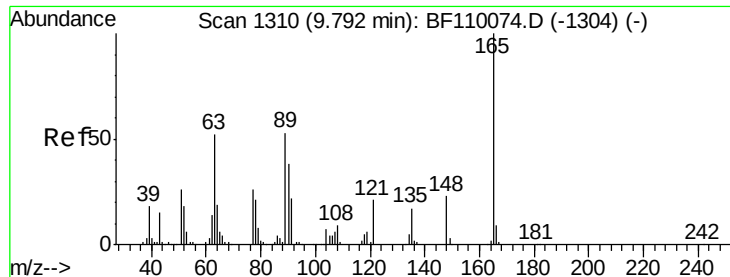
#50
Dimethylphthalate
Concen: 4.831 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF110112.D
Acq: 24 Oct 2018 13:57

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.2	4.8
164	9.0	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: 8.257 ng

RT: 10.01 min Scan# 1347

Delta R.T. 0.21 min

Lab File: BF110112.D

Acq: 24 Oct 2018 13:57

Instrument :

BNA_F

ClientSampled :

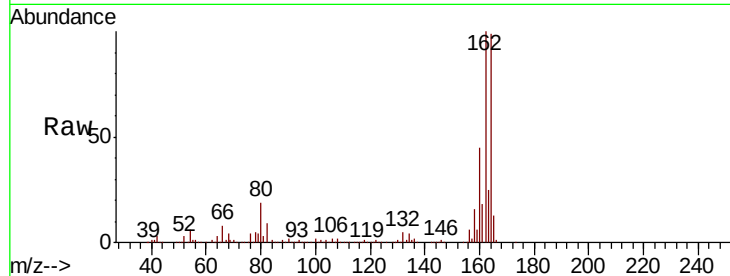
Tot Ion:165 Resp: 35995

Ion Ratio Lower Upper

165 100

63 1.5 48.9 73.3#

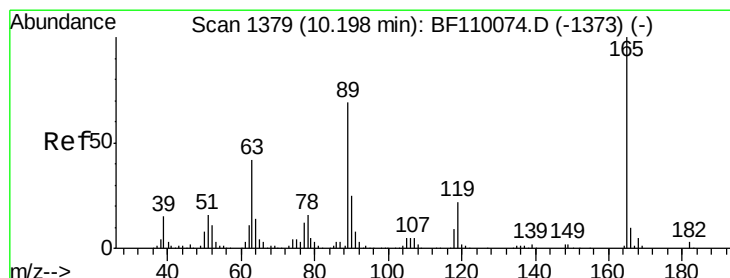
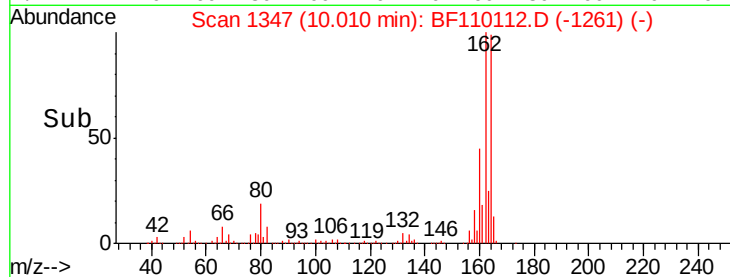
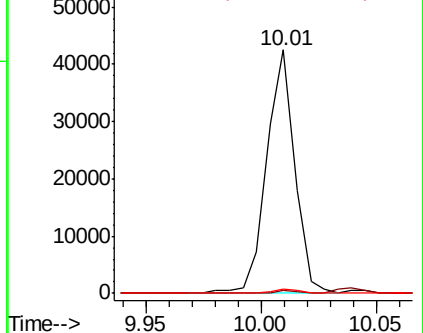
89 1.9 46.6 69.8#



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: 6.501 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.20 min

Lab File: BF110112.D

Acq: 24 Oct 2018 13:57

Tgt Ion:165 Resp: 35995

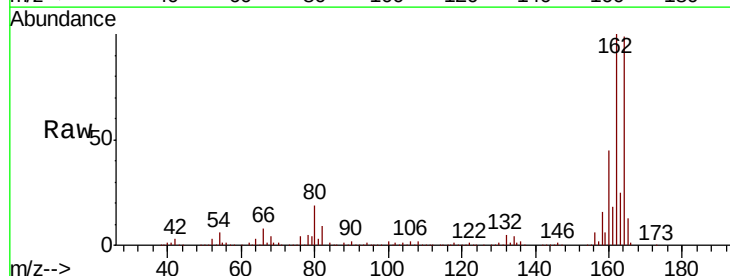
Ion Ratio Lower Upper

165 100

63 1.5 44.8 67.2#

89 1.9 62.2 93.4#

182 0.0 2.1 3.1#

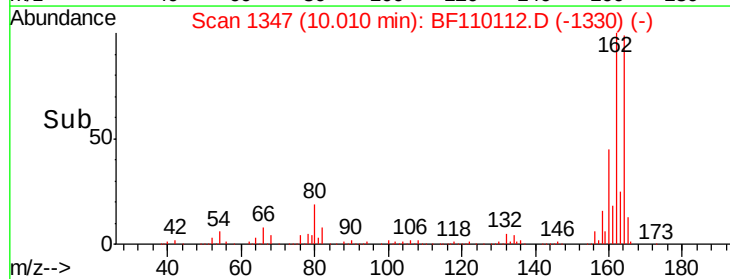
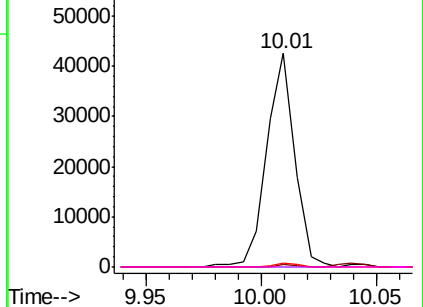


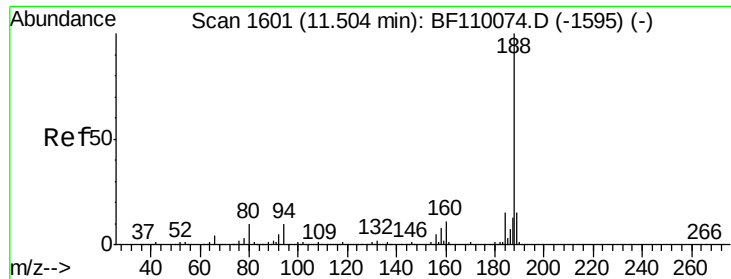
Abundance Ion 165.00 (164.70 to 165.70): E

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

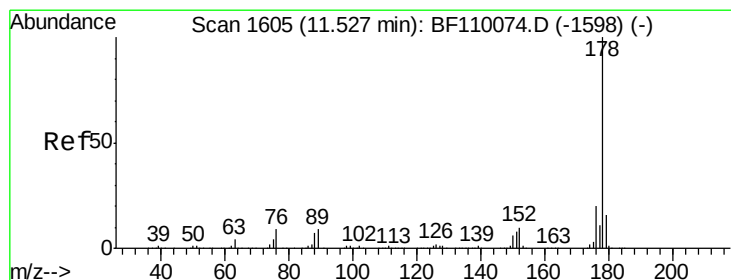
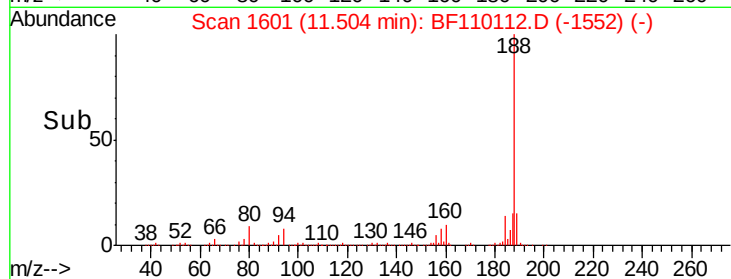
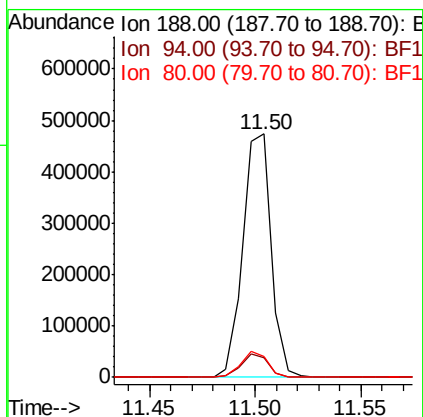
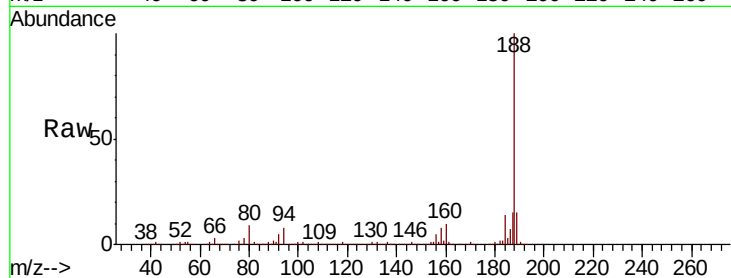




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110112.D
Acq: 24 Oct 2018 13:57

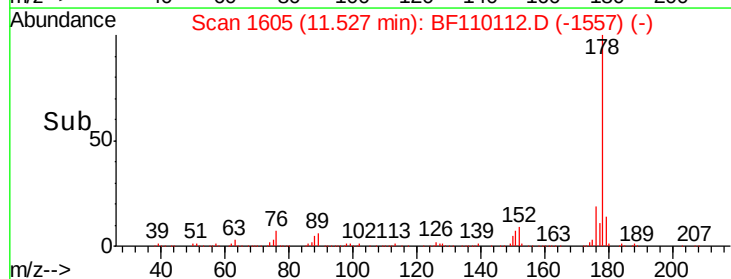
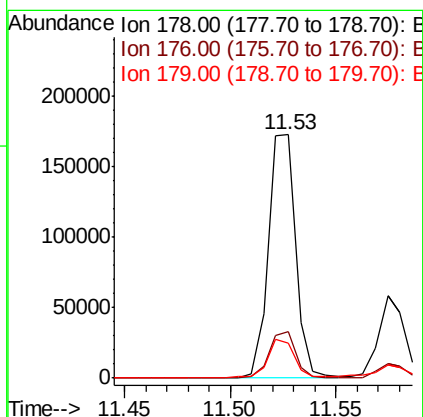
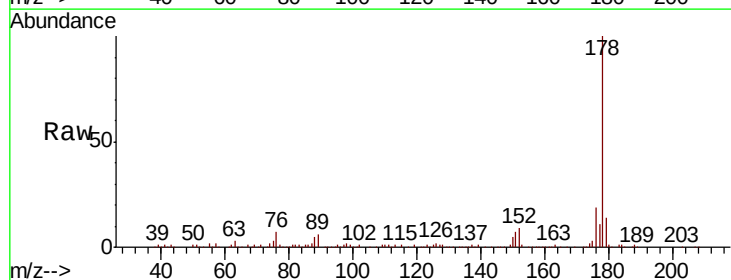
Instrument :
BNA_F
ClientSampleId :

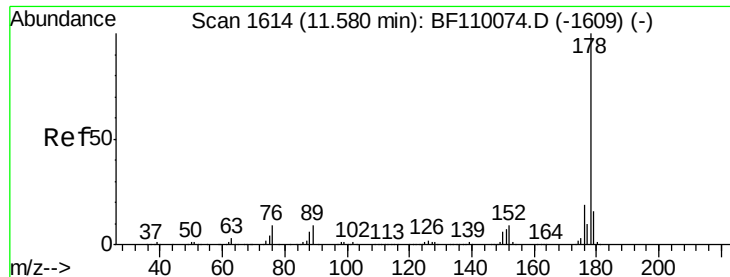
Tot Ion:188 Resp: 440408
Ion Ratio Lower Upper
188 100
94 8.1 7.2 10.8
80 8.8 7.9 11.9



#71
Phenanthrene
Concen: 6.783 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.02 min
Lab File: BF110112.D
Acq: 24 Oct 2018 13:57

Tgt Ion:178 Resp: 156317
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 14.4 12.5 18.7

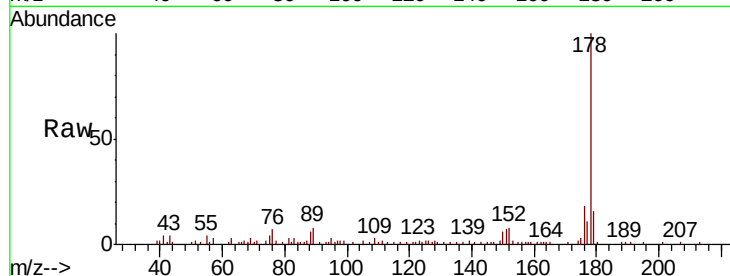




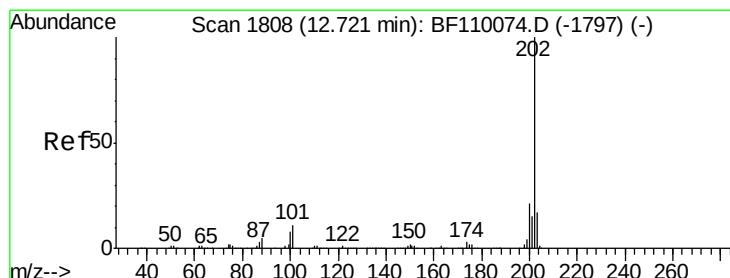
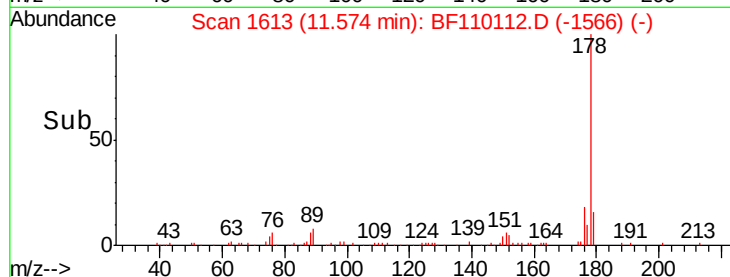
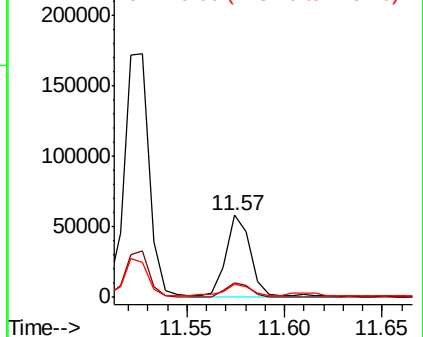
#72
 Anthracene
 Concen: 2.241 ng
 RT: 11.57 min Scan# 1613
 Delta R.T. -0.02 min
 Lab File: BF110112.D
 Acq: 24 Oct 2018 13:57

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:178 Resp: 51772
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.4 23.2
 179 16.3 12.6 18.8

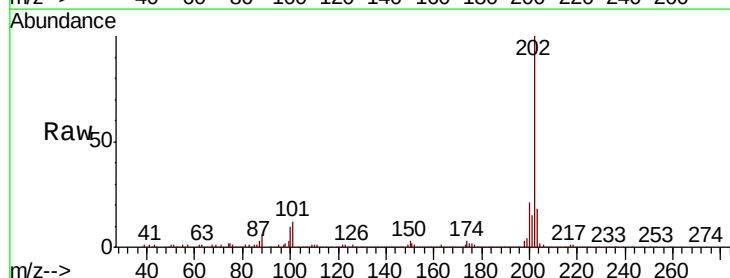


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

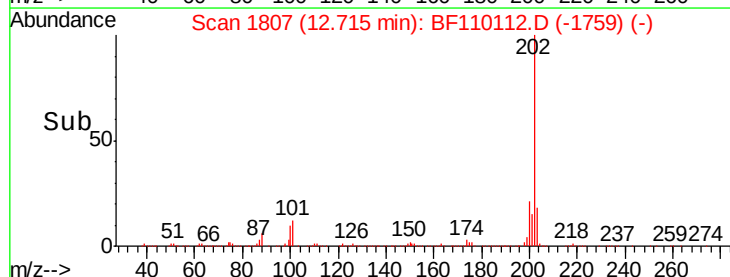
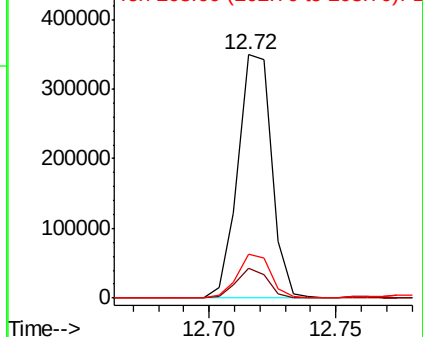


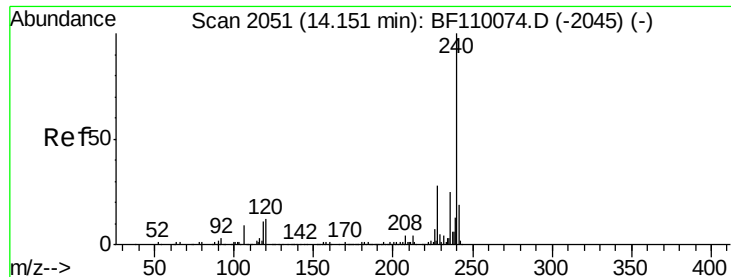
#75
 Fluoranthene
 Concen: 13.844 ng
 RT: 12.72 min Scan# 1807
 Delta R.T. -0.02 min
 Lab File: BF110112.D
 Acq: 24 Oct 2018 13:57

Tgt Ion:202 Resp: 323783
 Ion Ratio Lower Upper
 202 100
 101 12.2 0.0 31.4
 203 18.0 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

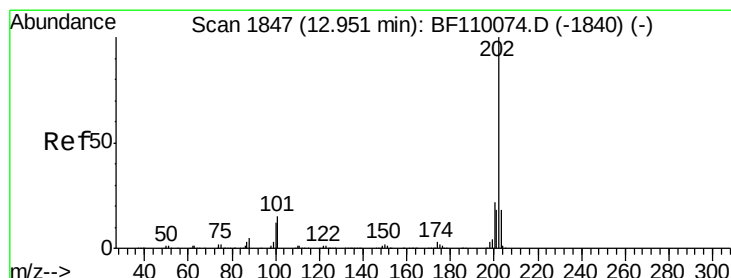
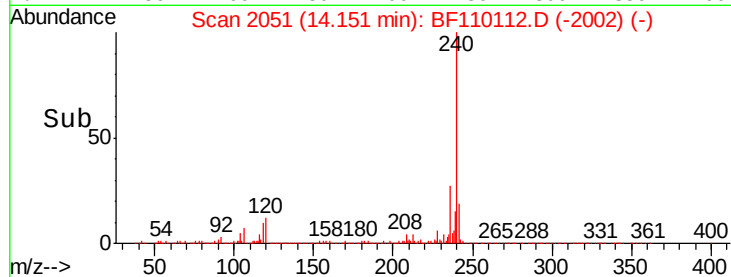
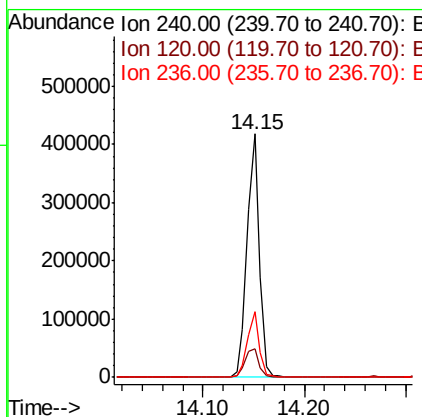
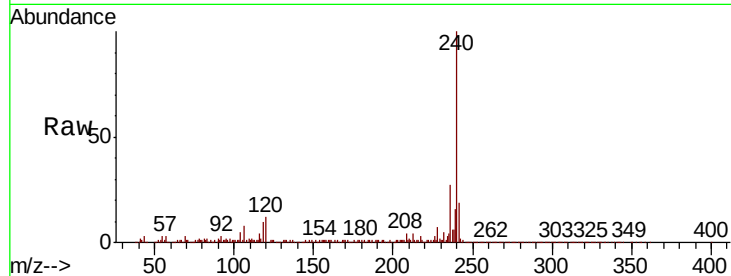




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF110112.D
Acq: 24 Oct 2018 13:57

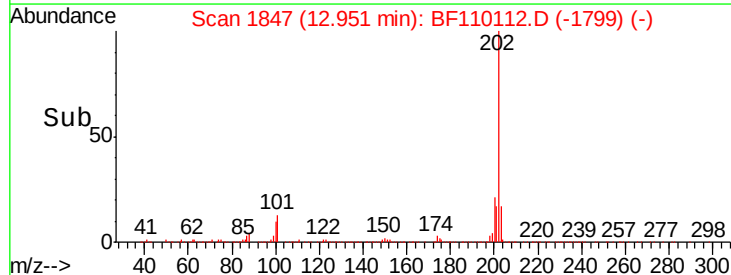
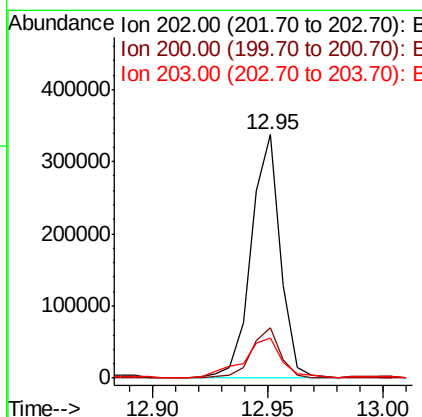
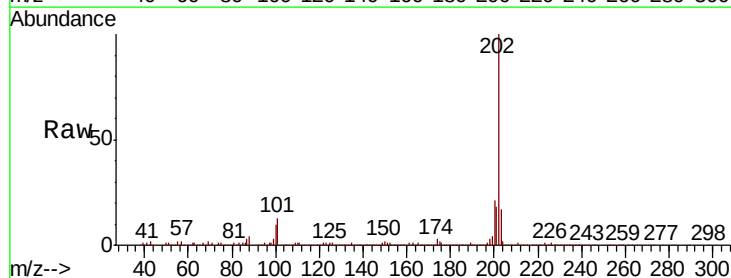
Instrument :
BNA_F
ClientSampled :

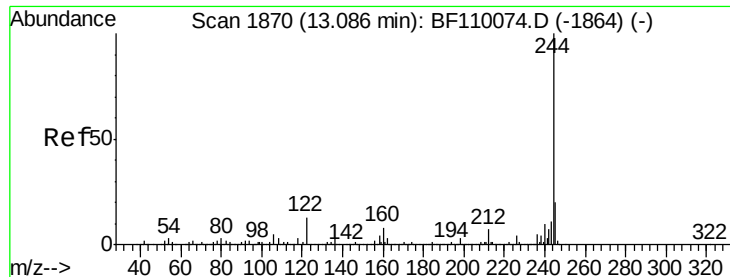
Tot Ion	Ratio	Lower	Upper
240	100		
120	11.8	8.3	12.5
236	26.8	21.2	31.8



#78
Pyrene
Concen: 11.777 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.02 min
Lab File: BF110112.D
Acq: 24 Oct 2018 13:57

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.8	26.6
203	16.7	14.2	21.4





#79

Terphenyl-d14

Concen: 25.882 ng

RT: 13.09 min Scan# 1870

Delta R.T. -0.02 min

Lab File: BF110112.D

Acq: 24 Oct 2018 13:57

Instrument :

BNA_F

ClientSampleId :

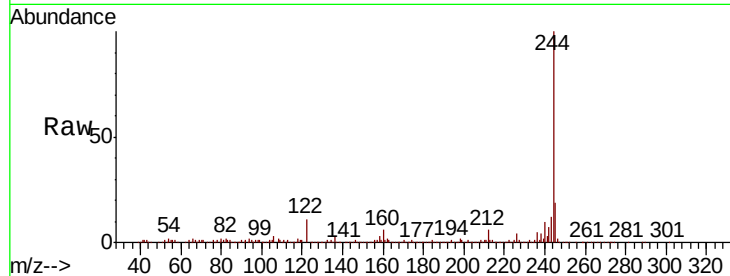
Tot Ion:244 Resp: 436779

Ion Ratio Lower Upper

244 100

212 6.4 5.8 8.8

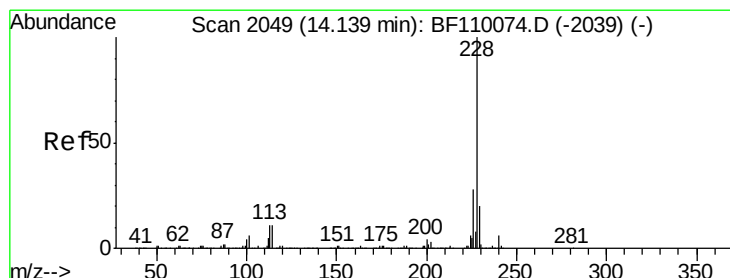
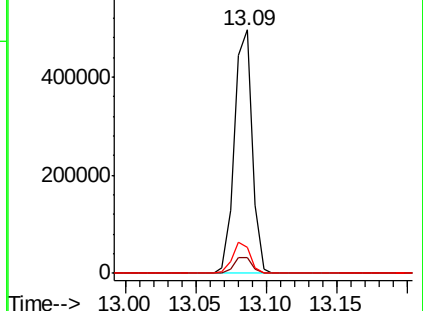
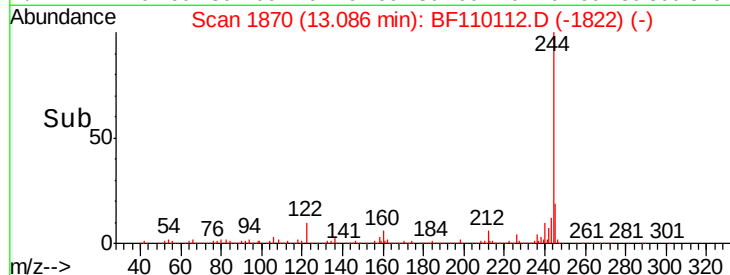
122 10.5 8.7 13.1



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



#81

Benzo(a)anthracene

Concen: 8.191 ng

RT: 14.14 min Scan# 2049

Delta R.T. -0.01 min

Lab File: BF110112.D

Acq: 24 Oct 2018 13:57

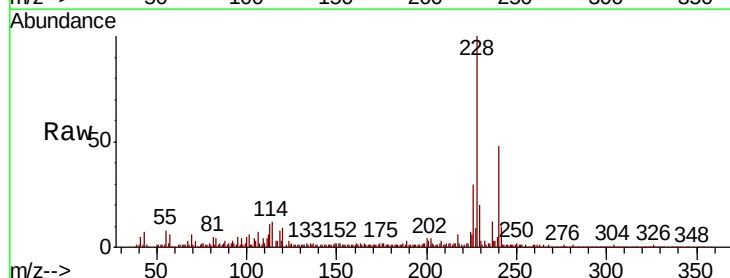
Tgt Ion:228 Resp: 170487

Ion Ratio Lower Upper

228 100

226 30.0 22.1 33.1

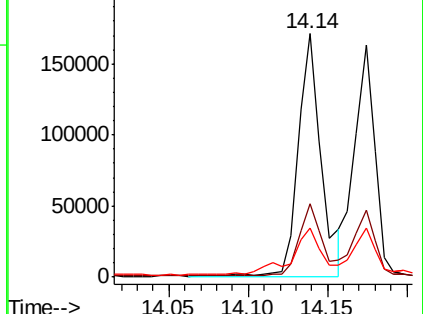
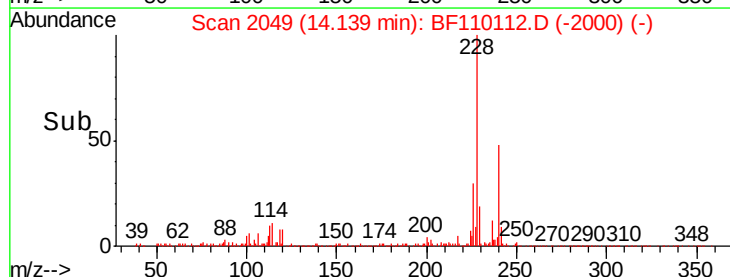
229 20.2 15.6 23.4

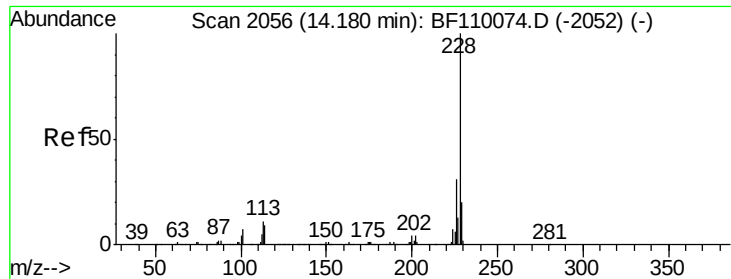


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 7.380 ng

RT: 14.17 min Scan# 2055

Delta R.T. -0.02 min

Lab File: BF110112.D

Acq: 24 Oct 2018 13:57

Instrument :

BNA_F

ClientSampled :

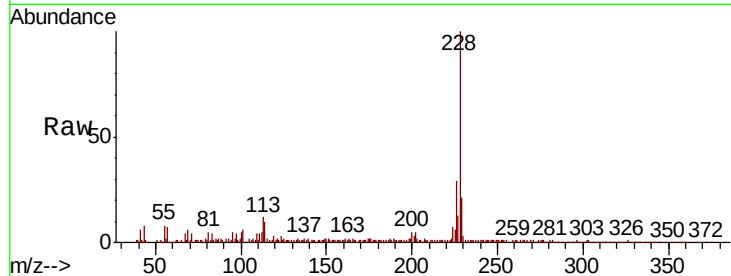
Tot Ion:228 Resp: 145902

Ion Ratio Lower Upper

228 100

226 28.9 24.7 37.1

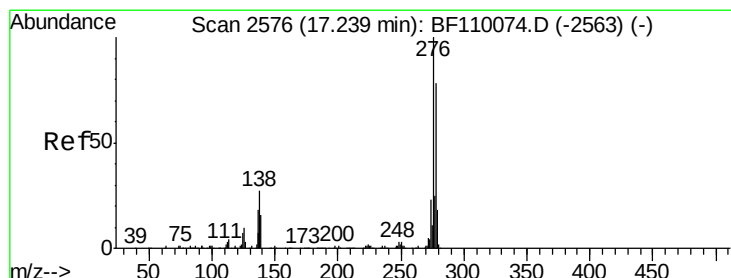
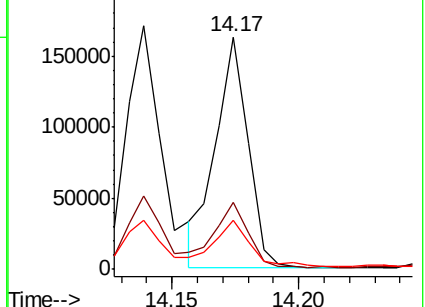
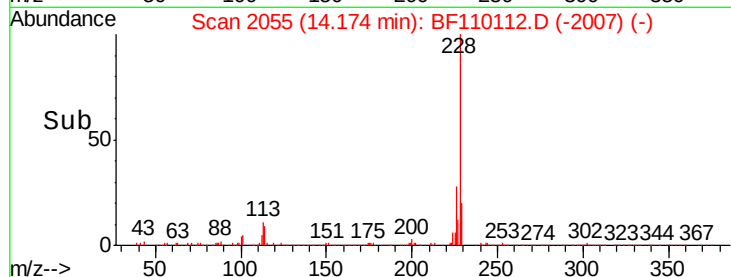
229 21.1 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 4.006 ng

RT: 17.24 min Scan# 2576

Delta R.T. -0.02 min

Lab File: BF110112.D

Acq: 24 Oct 2018 13:57

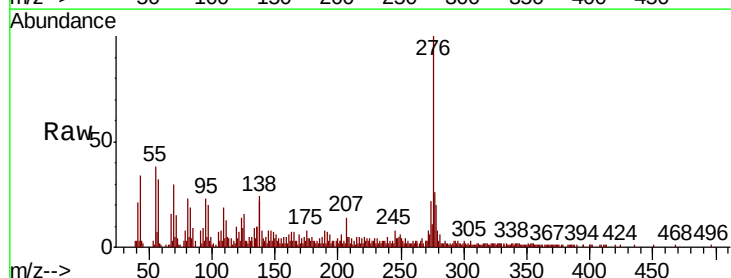
Tgt Ion:276 Resp: 65704

Ion Ratio Lower Upper

276 100

138 23.7 18.5 27.7

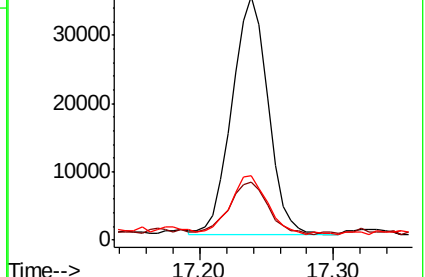
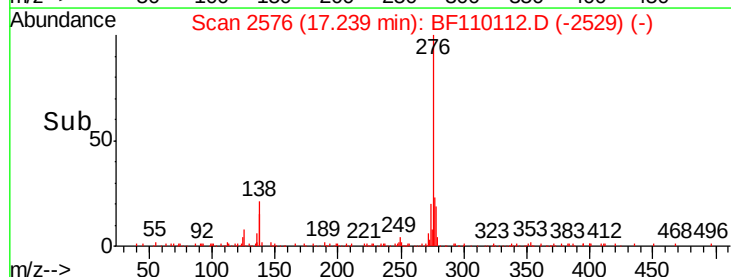
277 25.3 20.0 30.0

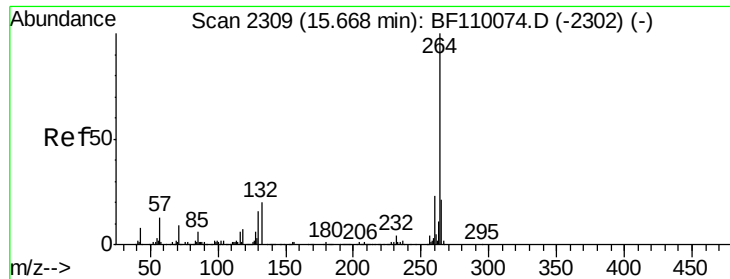


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

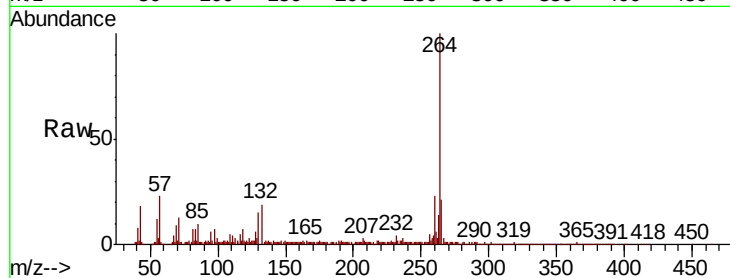




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2311
Delta R.T. -0.01 min
Lab File: BF110112.D
Acq: 24 Oct 2018 13:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.7	28.1
265	21.0	16.7	25.1

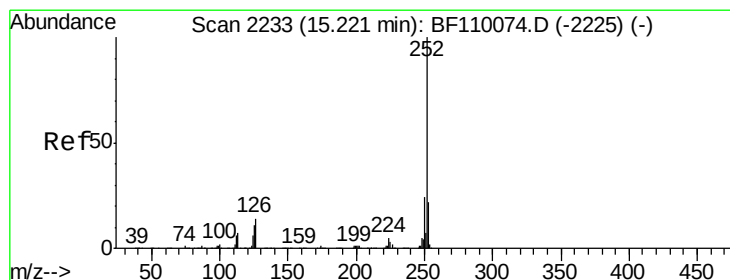
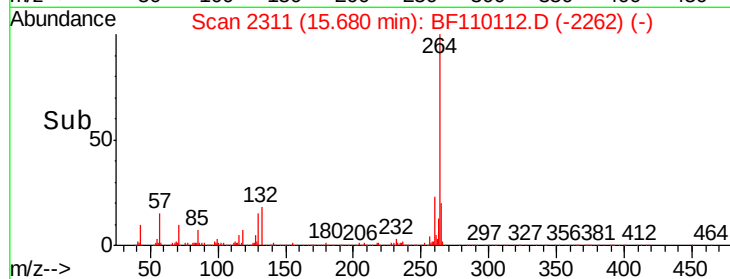
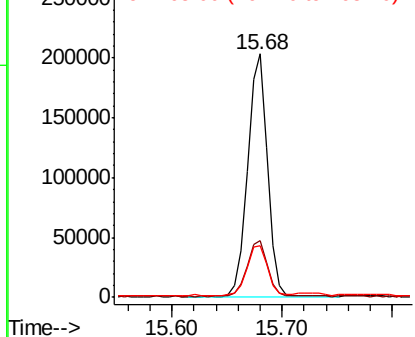


Abundance

Ion 264.00 (263.70 to 264.70): E

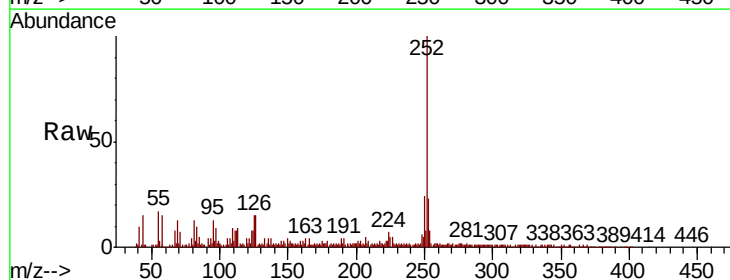
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 14.534 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF110112.D
Acq: 24 Oct 2018 13:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.2	25.8
125	15.3	8.2	12.4#

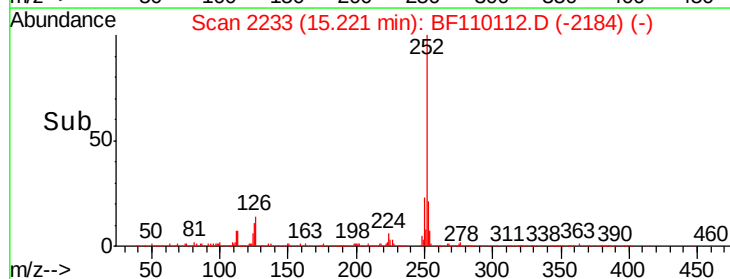
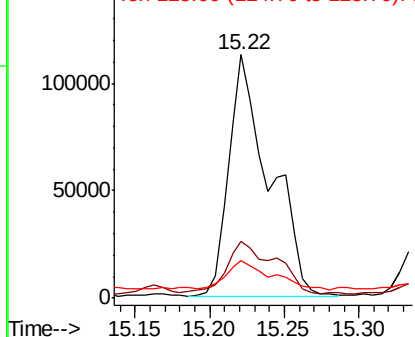


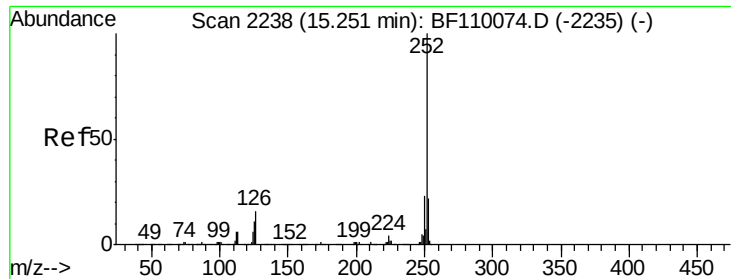
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 14.784 ng

RT: 15.22 min Scan# 2233

Delta R.T. -0.05 min

Lab File: BF110112.D

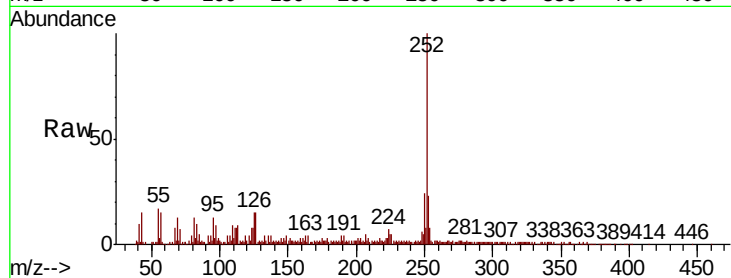
Acq: 24 Oct 2018 13:57

Instrument :

BNA_F

ClientSampled :

Tot Ion:252	Resp:	213694
Ion Ratio	Lower	Upper
252	100	
253	23.2	17.2 25.8
125	15.3	7.4 11.0#

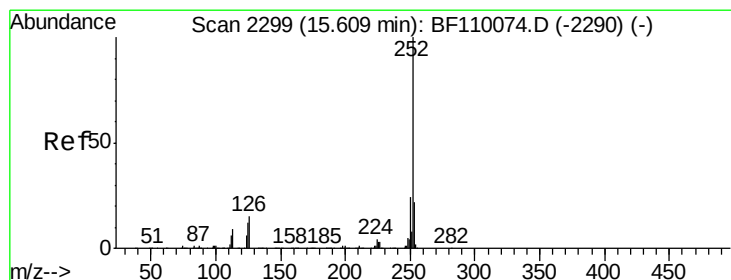
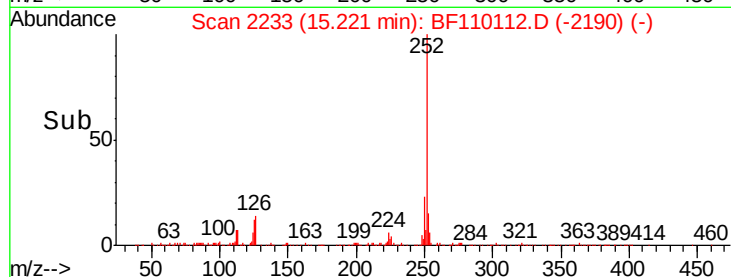
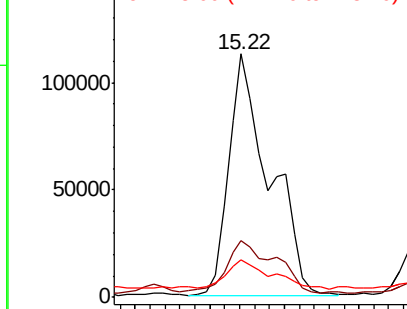


Abundance

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: 7.692 ng

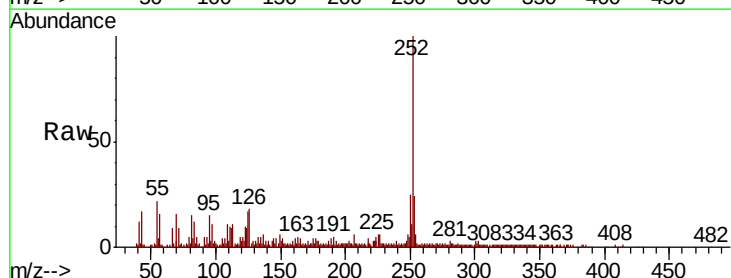
RT: 15.61 min Scan# 2299

Delta R.T. -0.02 min

Lab File: BF110112.D

Acq: 24 Oct 2018 13:57

Tgt Ion:252	Resp:	104063
Ion Ratio	Lower	Upper
252	100	
253	23.6	18.2 27.4
125	16.7	9.0 13.6#

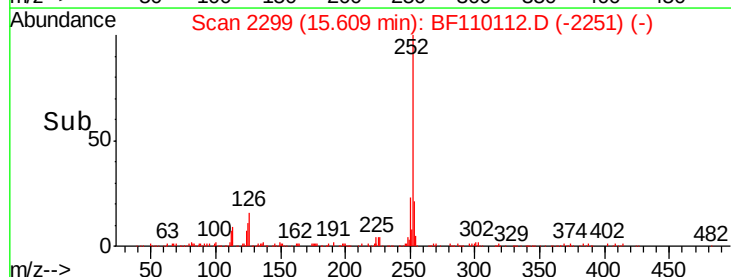
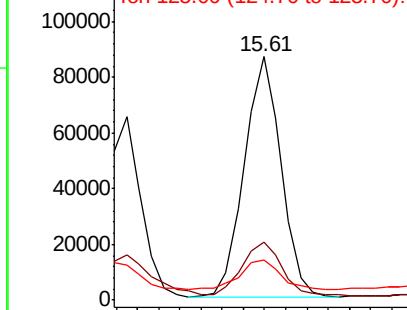


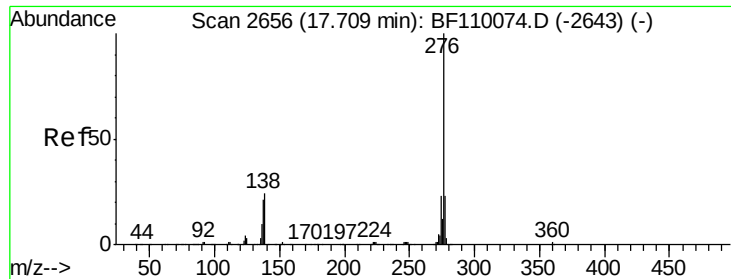
Abundance

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: 5.250 ng
 RT: 17.72 min Scan# 2657
 Delta R.T. -0.02 min
 Lab File: BF110112.D
 Acq: 24 Oct 2018 13:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	25.7	18.8	28.2	
138	24.1	16.0	24.0	

