

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
 Data File : BF110113.D
 Acq On : 24 Oct 2018 14:25
 Operator : JU/SJ
 Sample : J5610-07 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 25 02:11:09 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

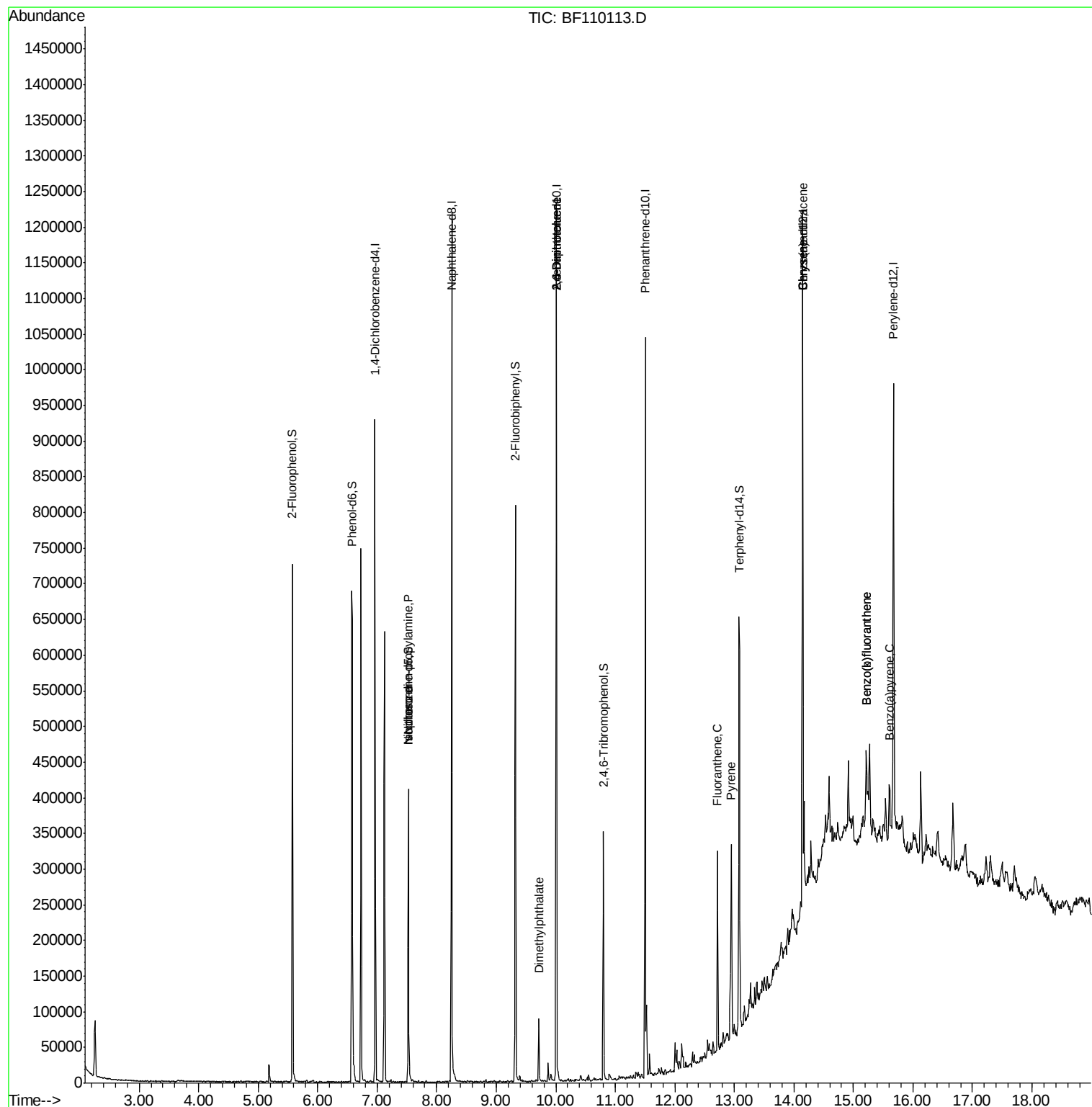
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	145161	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	549457	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	216085	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	367437	20.00	ng	-0.01
76) Chrysene-d12	14.14	240	319441	20.00	ng	-0.02
87) Perylene-d12	15.67	264	233932	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	186977	20.98	ng	-0.02
7) Phenol-d6	6.57	99	232910	20.43	ng	-0.03
23) Nitrobenzene-d5	7.52	82	124634	13.45	ng	-0.03
42) 2,4,6-Tribromophenol	10.80	330	36722	17.16	ng	-0.02
45) 2-Fluorobiphenyl	9.32	172	224993	16.35	ng	-0.02
79) Terphenyl-d14	13.08	244	189812	12.36	ng	-0.02
Target Compounds				Qvalue		
9) Benzaldehyde	6.58	77	433	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.52	70	15686	2.144 ng	#	81
25) Isophorone	7.52	82	124632	7.893 ng	#	67
50) Dimethylphthalate	9.72	163	34473	2.161 ng		99
51) 2,6-Dinitrotoluene	10.01	165	27000	7.858 ng	#	22
57) 2,4-Dinitrotoluene	10.01	165	27000	6.187 ng	#	18
75) Fluoranthene	12.72	202	101090	5.181 ng		98
78) Pyrene	12.94	202	107816	4.708 ng		96
81) Benzo(a)anthracene	14.14	228	55519	2.931 ng	#	93
83) Chrysene	14.14	228	55519	3.086 ng		97
88) Benzo(b)fluoranthene	15.22	252	69465	5.142 ng	#	88
89) Benzo(k)fluoranthene	15.22	252	69465	5.231 ng	#	87
90) Benzo(a)pyrene	15.60	252	34564	2.781 ng	#	84

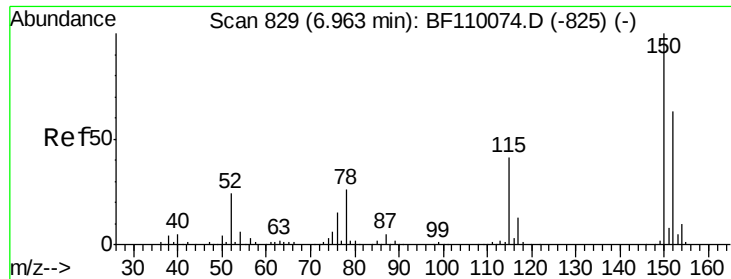
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
Data File : BF110113.D
Acq On : 24 Oct 2018 14:25
Operator : JU/SJ
Sample : J5610-07 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Oct 25 02:11:09 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



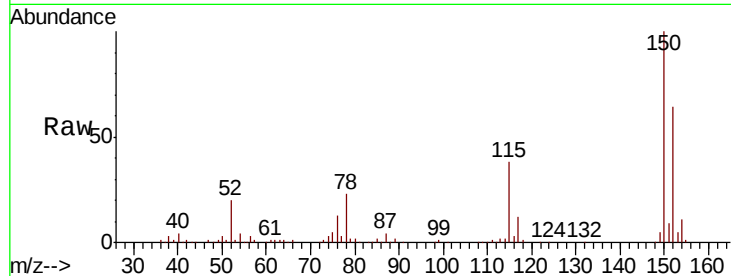


#1

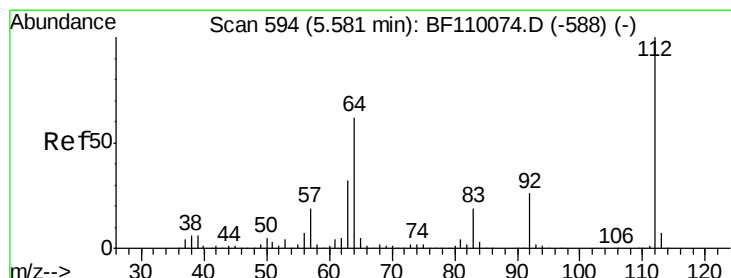
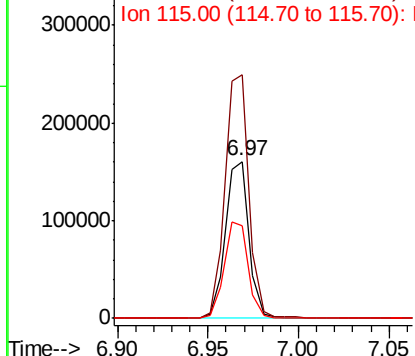
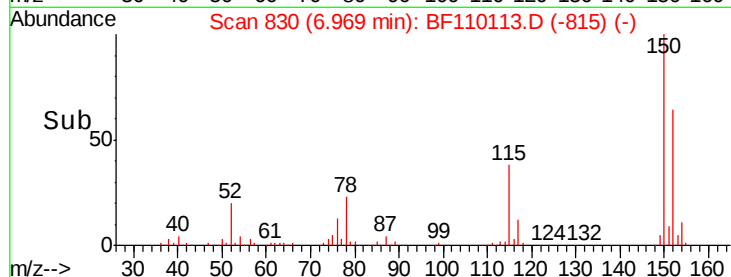
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110113.D
Acq: 24 Oct 2018 14:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 145161
Ion Ratio Lower Upper
152 100
150 155.4 122.7 184.1
115 59.1 49.1 73.7



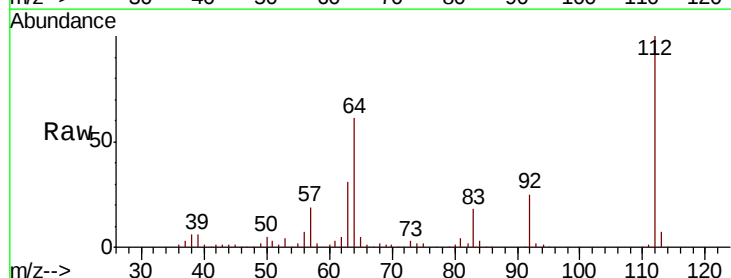
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



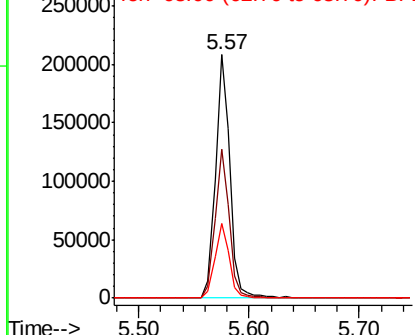
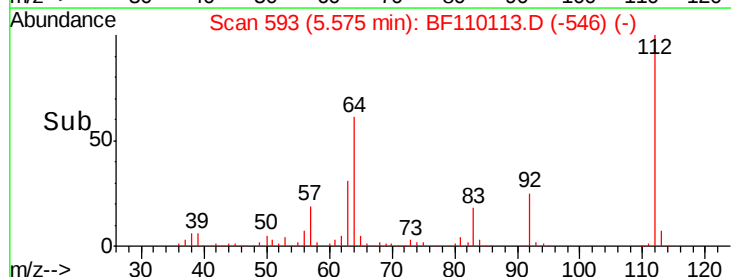
#5

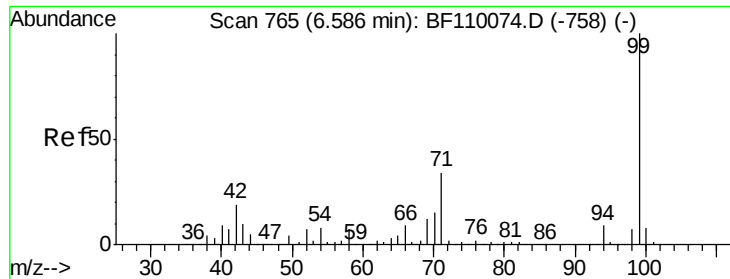
2-Fluorophenol
Concen: 20.976 ng
RT: 5.57 min Scan# 593
Delta R.T. -0.02 min
Lab File: BF110113.D
Acq: 24 Oct 2018 14:25

Tgt Ion:112 Resp: 186977
Ion Ratio Lower Upper
112 100
64 61.1 44.1 66.1
63 30.7 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: 20.428 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.03 min

Lab File: BF110113.D

Acq: 24 Oct 2018 14:25

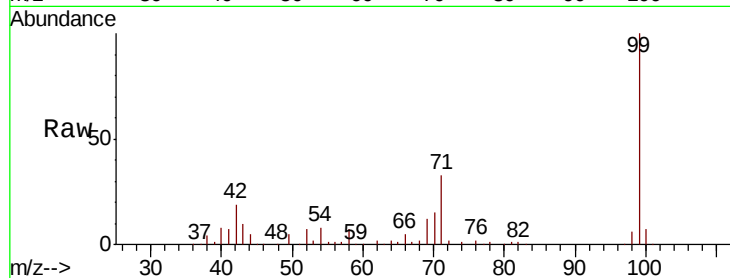
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 232910

Ion	Ratio	Lower	Upper
99	100		
42	19.1	15.8	23.6
71	32.7	28.0	42.0

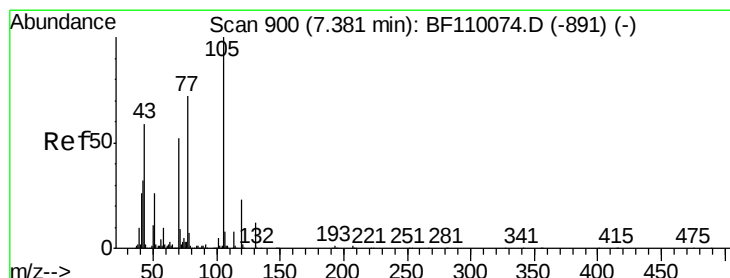
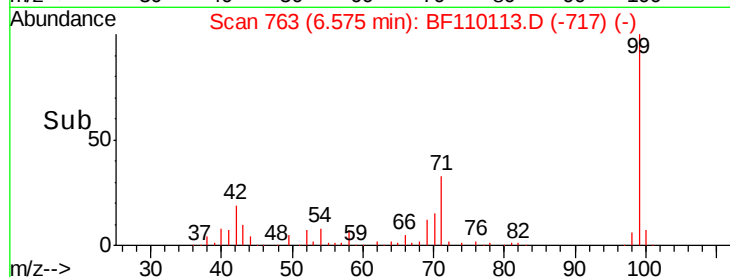
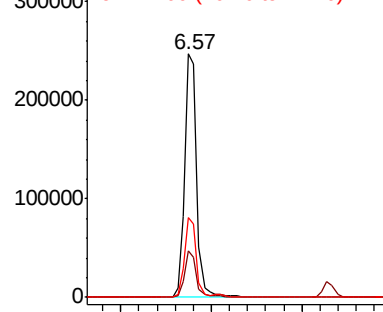


Abundance

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: 2.144 ng

RT: 7.52 min Scan# 924

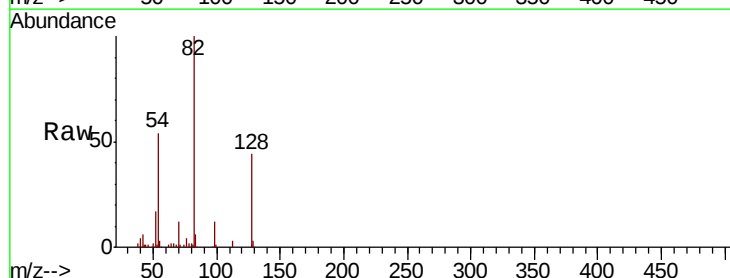
Delta R.T. 0.13 min

Lab File: BF110113.D

Acq: 24 Oct 2018 14:25

Tgt Ion: 70 Resp: 15686

Ion	Ratio	Lower	Upper
70	100		
42	51.2	47.4	71.2
101	0.0	7.3	10.9#
130	2.0	16.2	24.2#



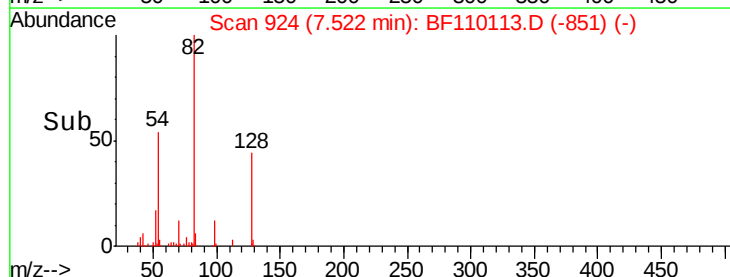
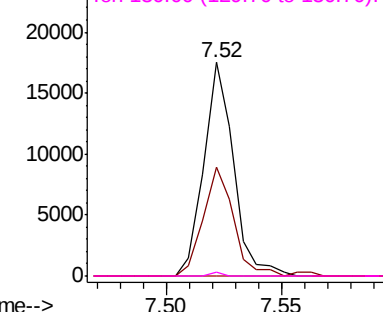
Abundance

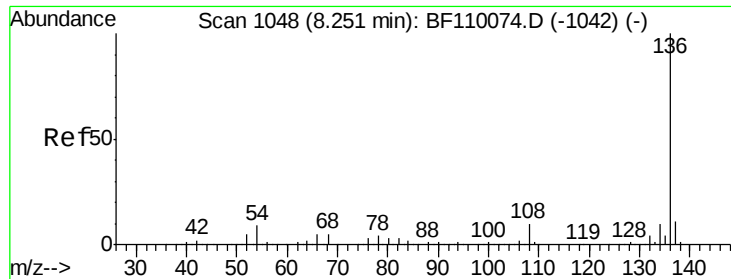
Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

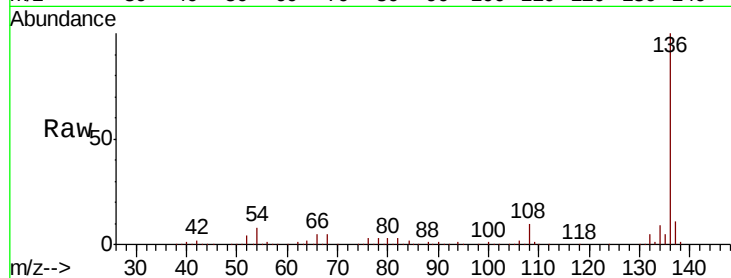




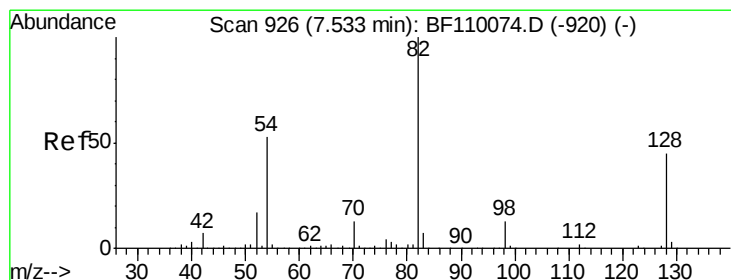
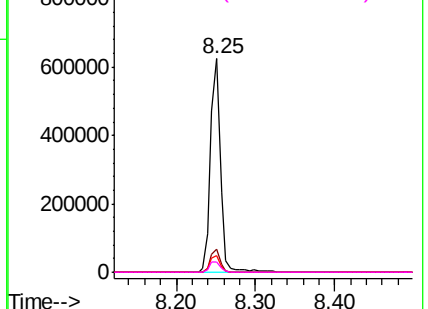
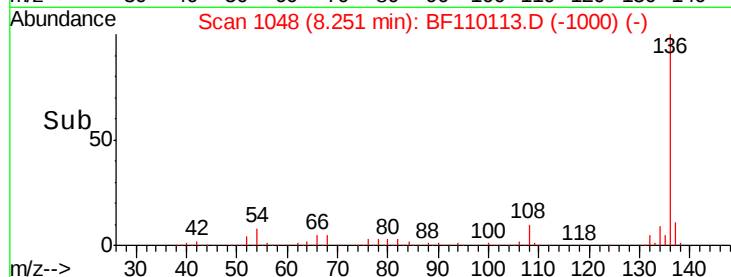
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.02 min
Lab File: BF110113.D
Acq: 24 Oct 2018 14:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	549457
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.8 13.2
54	7.6	5.4 8.2
68	5.1	4.2 6.2

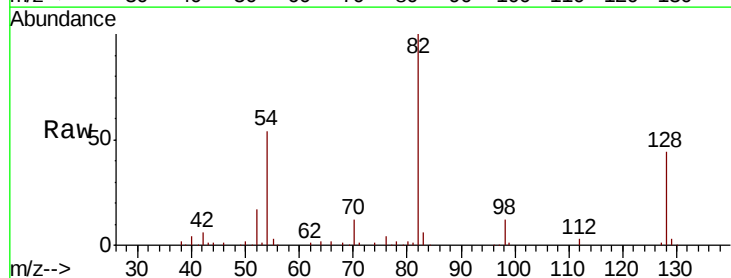


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

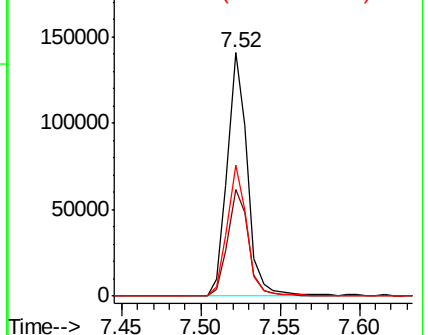
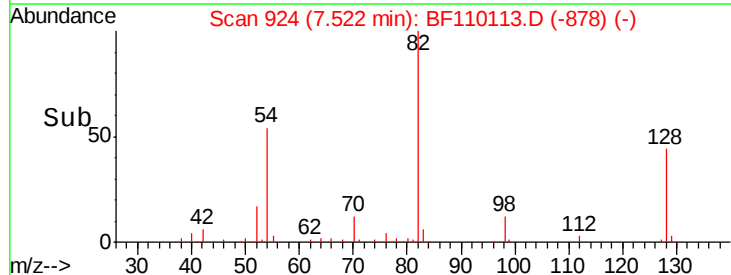


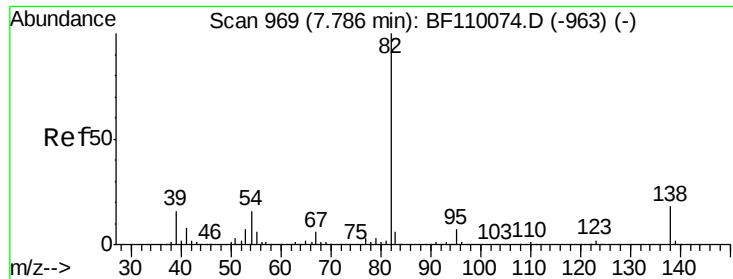
#23
Nitrobenzene-d5
Concen: 13.454 ng
RT: 7.52 min Scan# 924
Delta R.T. -0.03 min
Lab File: BF110113.D
Acq: 24 Oct 2018 14:25

Tgt Ion: 82	Resp:	124634
Ion Ratio	Lower	Upper
82	100	
128	43.7	34.2 51.2
54	53.7	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

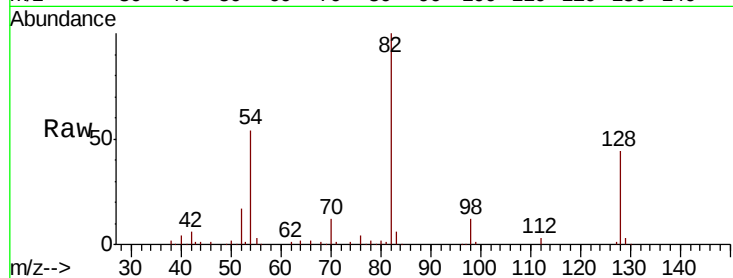




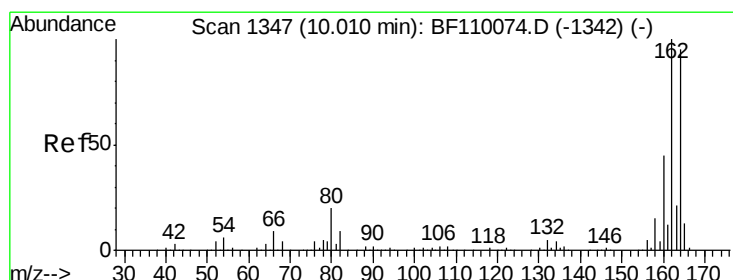
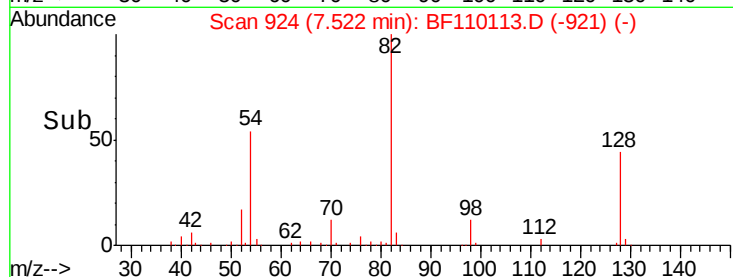
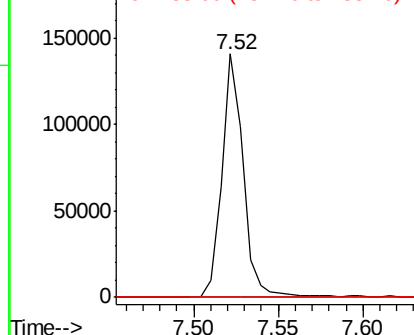
#25
Isophorone
Concen: 7.893 ng
RT: 7.52 min Scan# 924
Delta R.T. -0.28 min
Lab File: BF110113.D
Acq: 24 Oct 2018 14:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 124632
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.2 19.8#

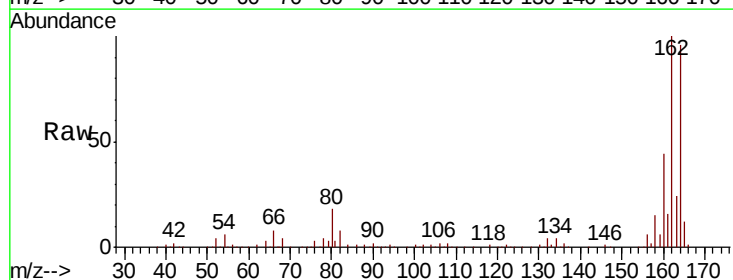


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

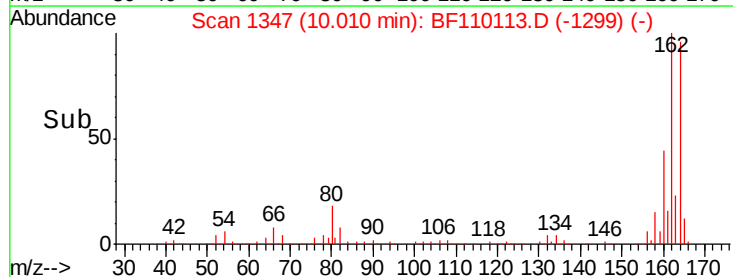
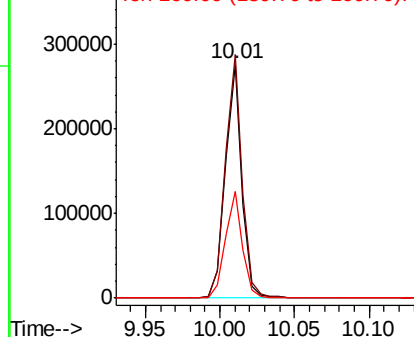


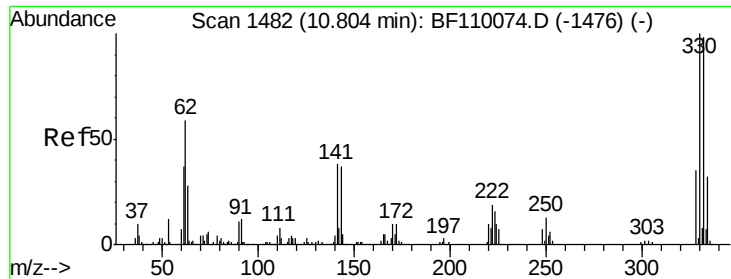
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.02 min
Lab File: BF110113.D
Acq: 24 Oct 2018 14:25

Tgt Ion:164 Resp: 216085
Ion Ratio Lower Upper
164 100
162 104.3 83.0 124.6
160 45.9 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

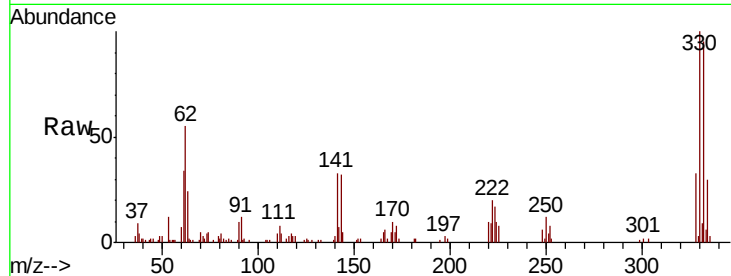




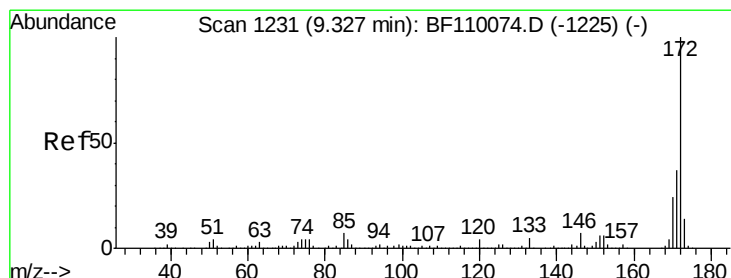
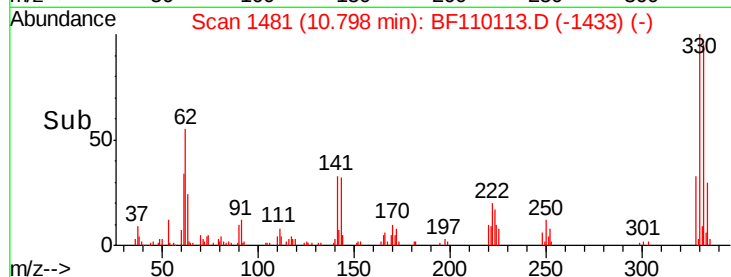
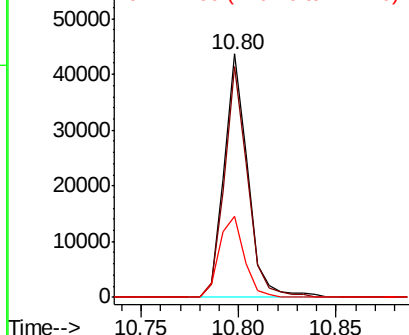
#42
 2,4,6-Tribromophenol
 Concen: 17.156 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.02 min
 Lab File: BF110113.D
 Acq: 24 Oct 2018 14:25

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 36722
 Ion Ratio Lower Upper
 330 100
 332 92.7 77.1 115.7
 141 35.3 27.0 40.4

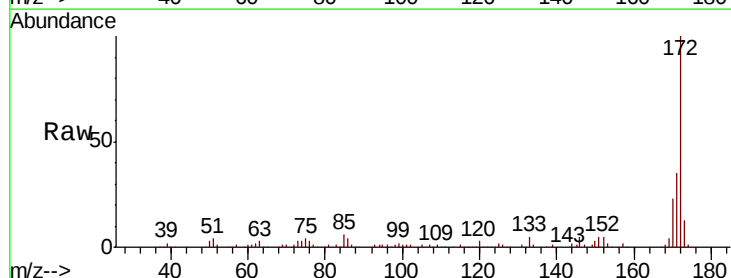


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

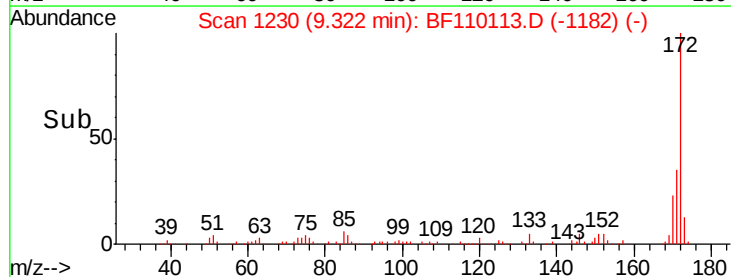
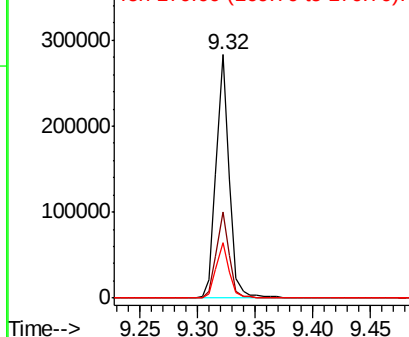


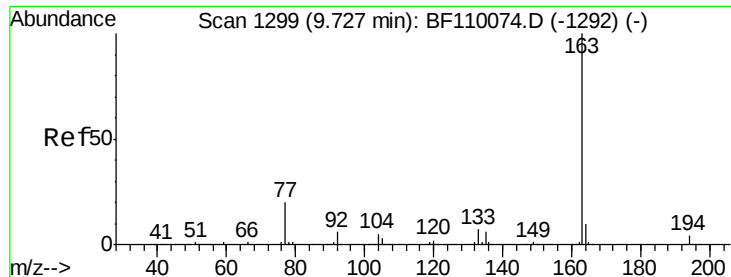
#45
 2-Fluorobiphenyl
 Concen: 16.350 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.02 min
 Lab File: BF110113.D
 Acq: 24 Oct 2018 14:25

Tgt Ion:172 Resp: 224993
 Ion Ratio Lower Upper
 172 100
 171 35.4 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

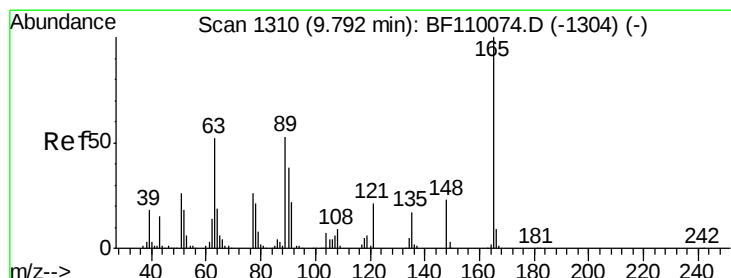
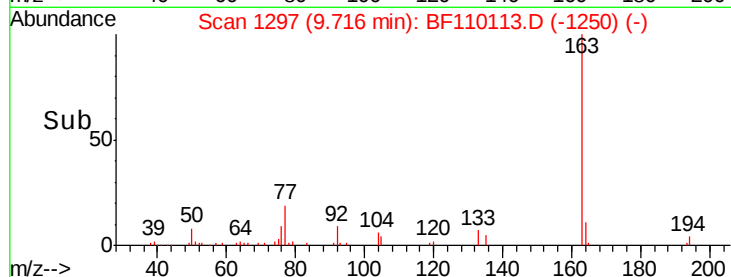
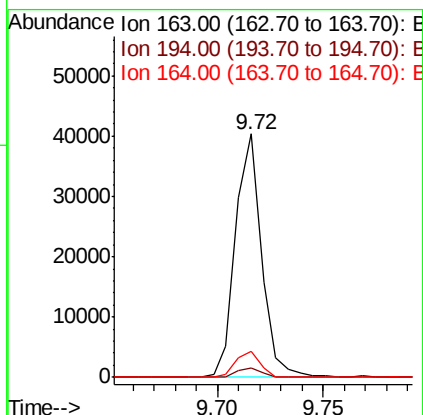
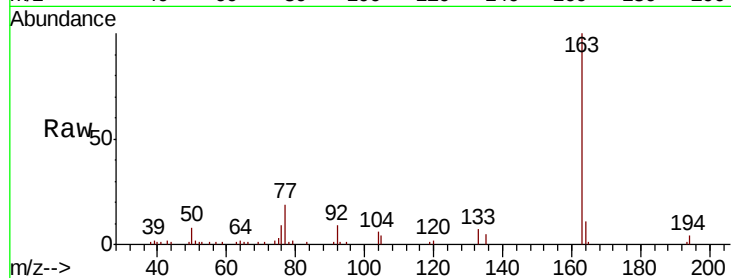




#50
Dimethylphthalate
Concen: 2.161 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF110113.D
Acq: 24 Oct 2018 14:25

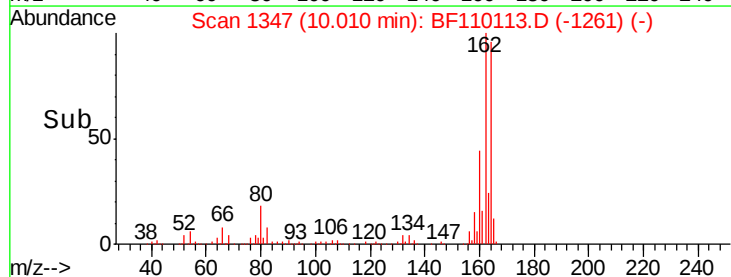
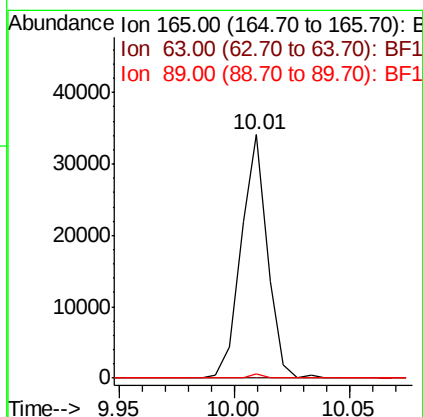
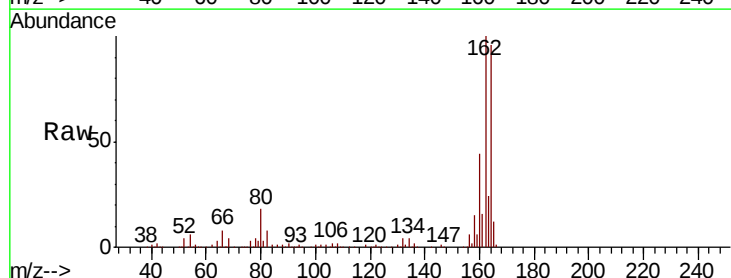
Instrument :
BNA_F
ClientSampled :

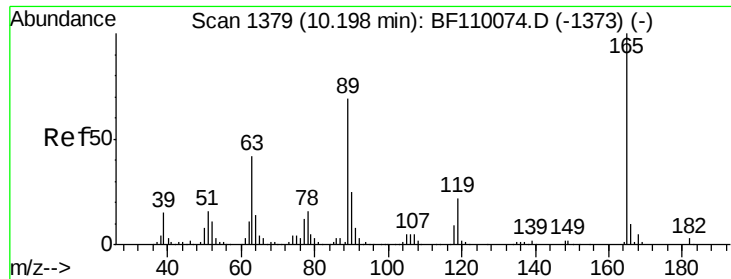
Tot Ion:163 Resp: 34473
Ion Ratio Lower Upper
163 100
194 4.1 3.2 4.8
164 10.7 8.1 12.1



#51
2,6-Dinitrotoluene
Concen: 7.858 ng
RT: 10.01 min Scan# 1347
Delta R.T. 0.21 min
Lab File: BF110113.D
Acq: 24 Oct 2018 14:25

Tgt Ion:165 Resp: 27000
Ion Ratio Lower Upper
165 100
63 0.0 48.9 73.3#
89 1.8 46.6 69.8#

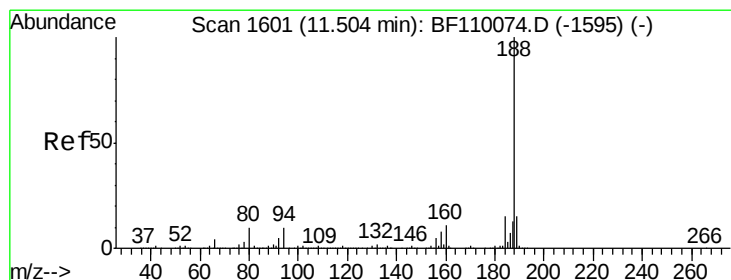
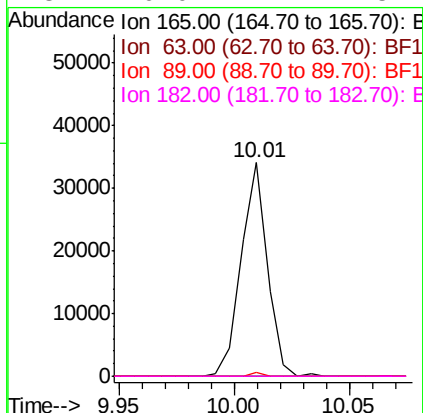
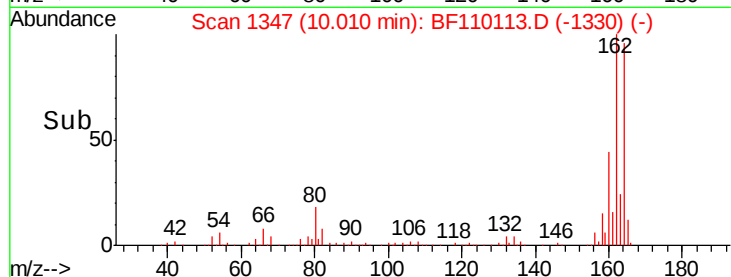
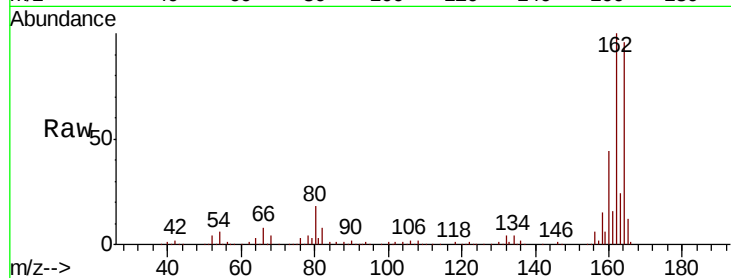




#57
2,4-Dinitrotoluene
Concen: 6.187 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.20 min
Lab File: BF110113.D
Acq: 24 Oct 2018 14:25

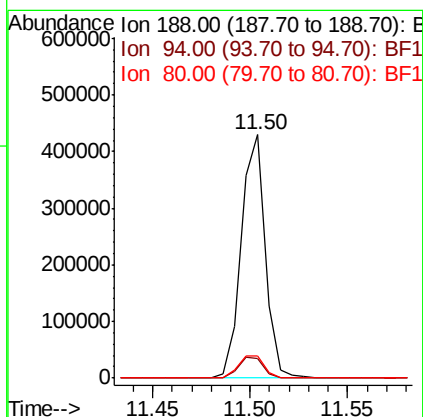
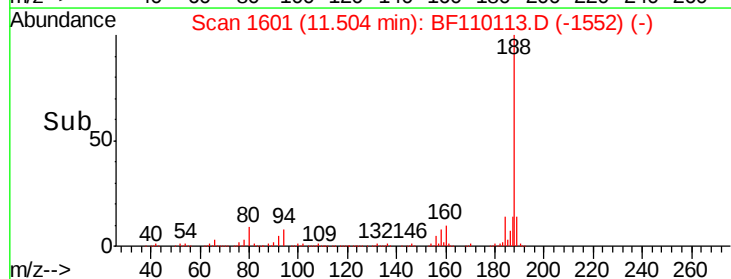
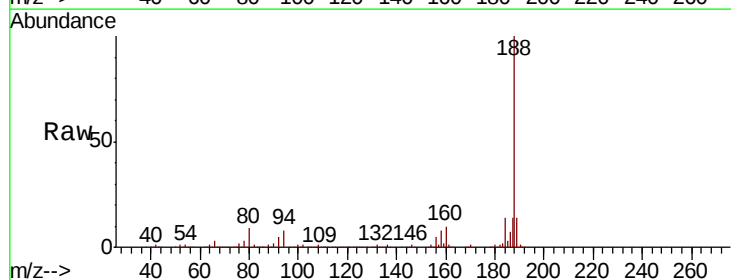
Instrument :
BNA_F
ClientSampled :

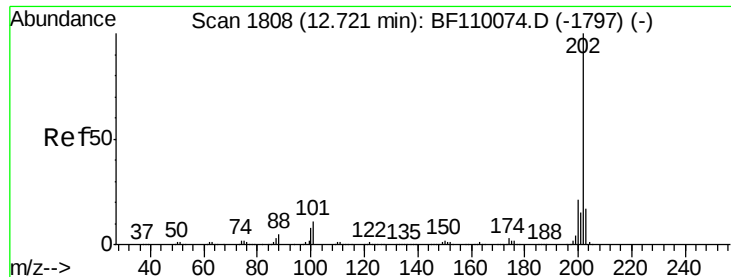
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.8	67.2#
89	1.8	62.2	93.4#
182	0.0	2.1	3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110113.D
Acq: 24 Oct 2018 14:25

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	7.2	10.8
80	9.1	7.9	11.9





#75

Fluoranthene

Concen: 5.181 ng

RT: 12.72 min Scan# 1807

Delta R.T. -0.02 min

Lab File: BF110113.D

Acq: 24 Oct 2018 14:25

Instrument :

BNA_F

ClientSampleId :

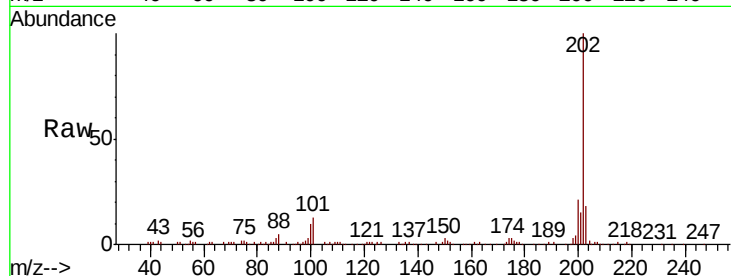
Tot Ion:202 Resp: 101090

Ion Ratio Lower Upper

202 100

101 12.6 0.0 31.4

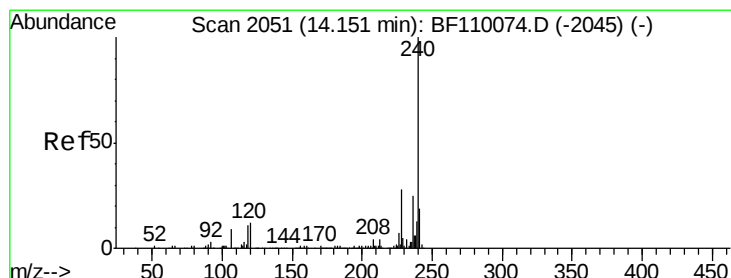
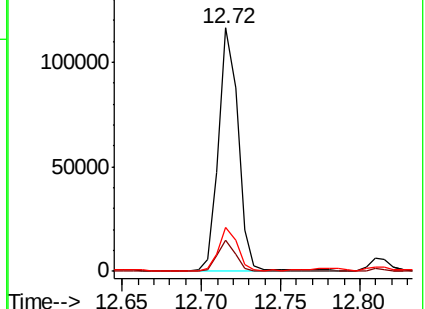
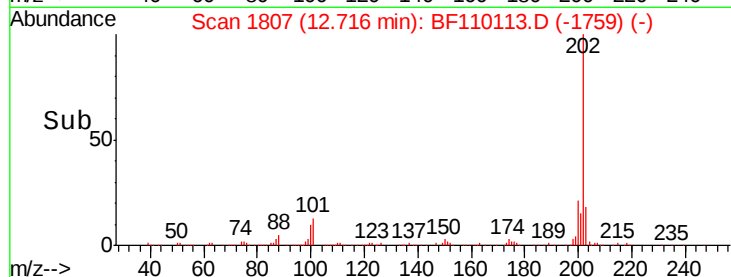
203 18.2 0.0 37.7



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# 2050

Delta R.T. -0.02 min

Lab File: BF110113.D

Acq: 24 Oct 2018 14:25

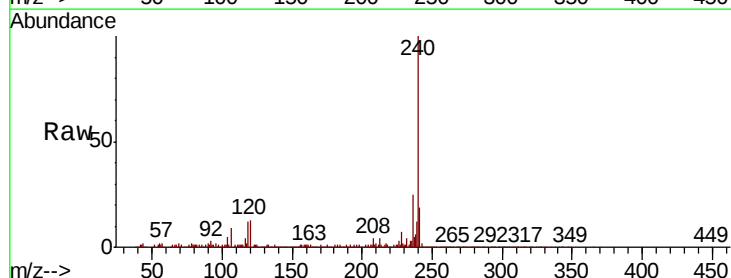
Tgt Ion:240 Resp: 319441

Ion Ratio Lower Upper

240 100

120 12.8 8.3 12.5#

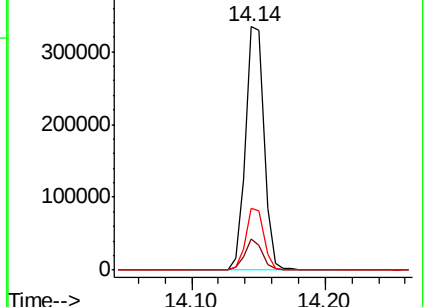
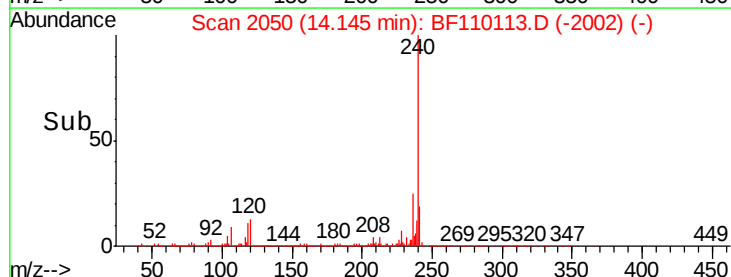
236 25.2 21.2 31.8

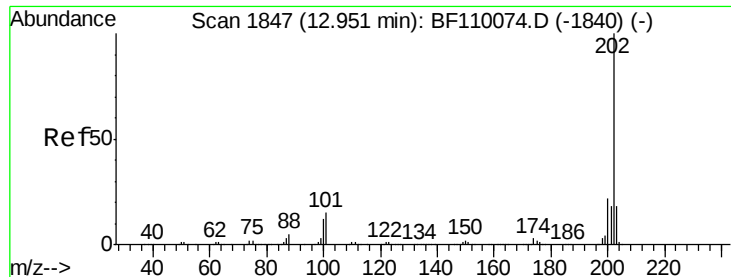


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 4.708 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.02 min

Lab File: BF110113.D

Acq: 24 Oct 2018 14:25

Instrument :

BNA_F

ClientSampleId :

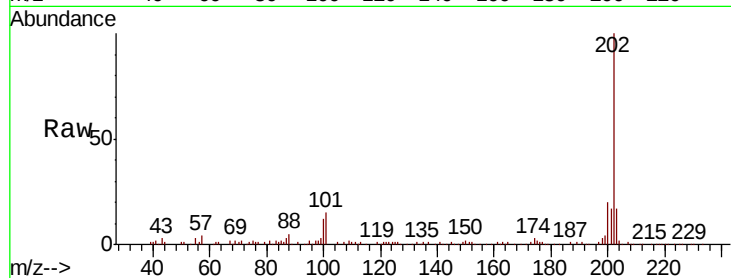
Tot Ion:202 Resp: 107816

Ion Ratio Lower Upper

202 100

200 19.8 17.8 26.6

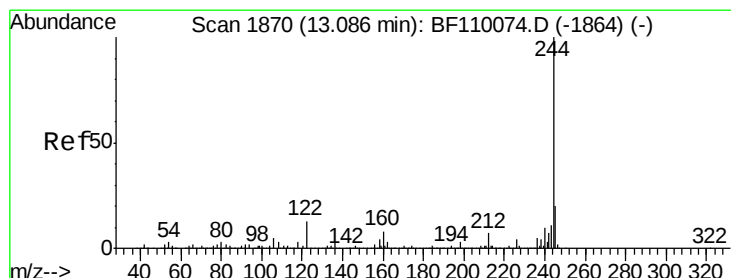
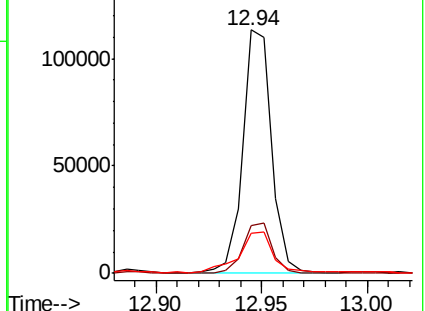
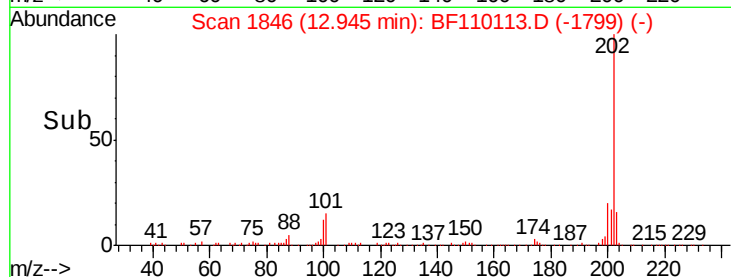
203 16.6 14.2 21.4



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: 12.358 ng

RT: 13.08 min Scan# 1869

Delta R.T. -0.02 min

Lab File: BF110113.D

Acq: 24 Oct 2018 14:25

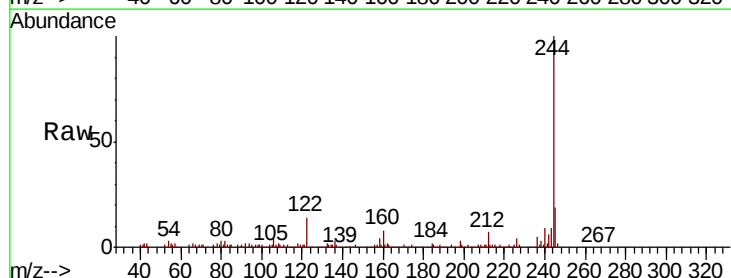
Tgt Ion:244 Resp: 189812

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

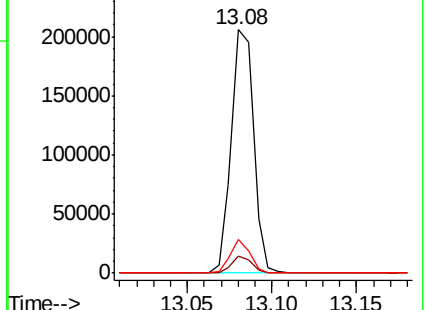
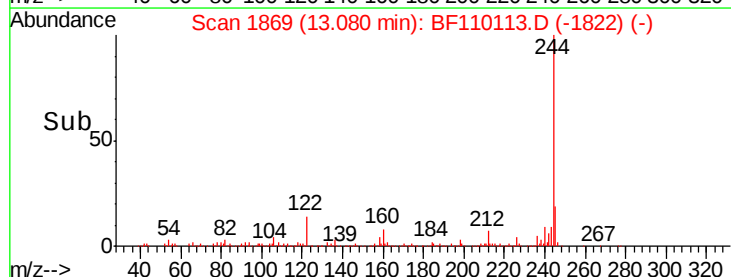
122 13.7 8.7 13.1#

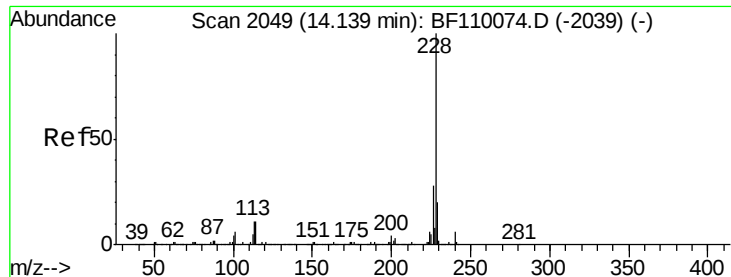


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

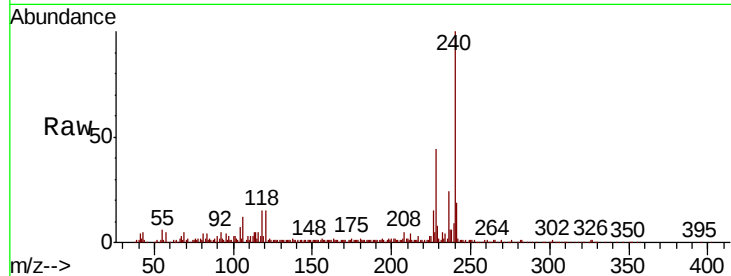




#81
Benzo(a)anthracene
Concen: 2.931 ng
RT: 14.14 min Scan# 2049
Delta R.T. -0.01 min
Lab File: BF110113.D
Acq: 24 Oct 2018 14:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.4	22.1	33.1#
229	19.2	15.6	23.4

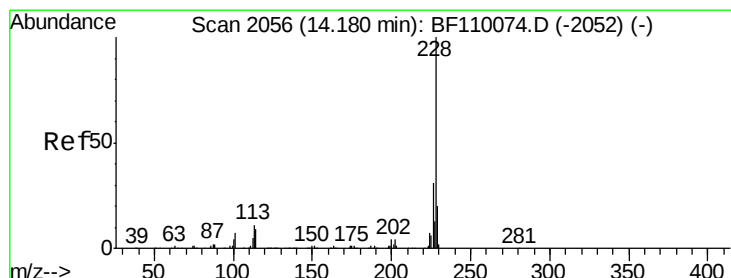
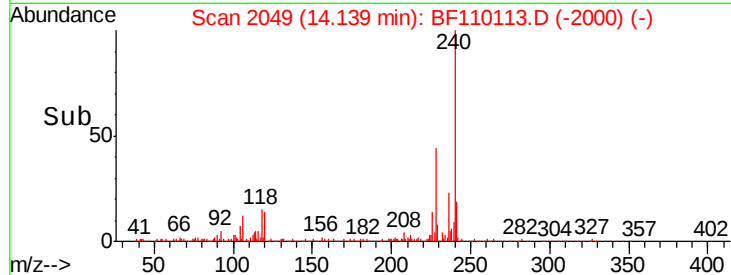
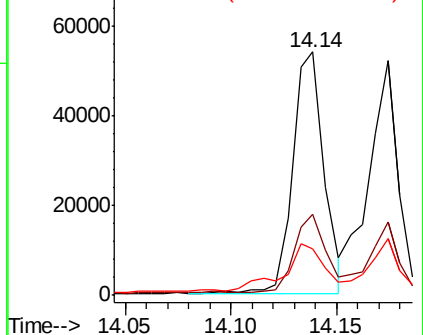


Abundance

Ion 228.00 (227.70 to 228.70): E

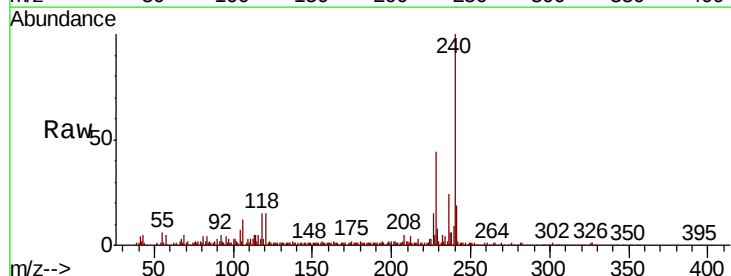
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83
Chrysene
Concen: 3.086 ng
RT: 14.14 min Scan# 2049
Delta R.T. -0.05 min
Lab File: BF110113.D
Acq: 24 Oct 2018 14:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.4	24.7	37.1
229	19.2	15.9	23.9

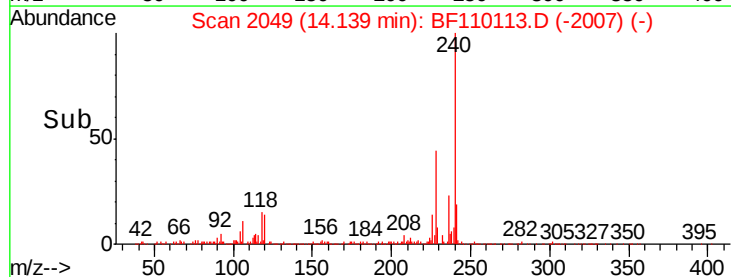
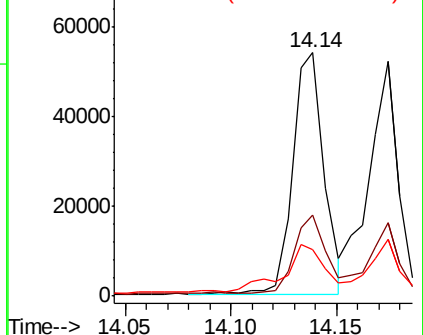


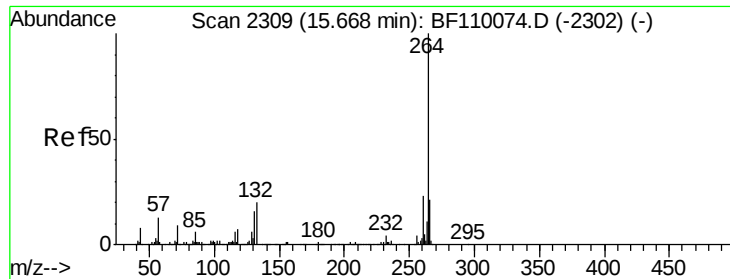
Abundance

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

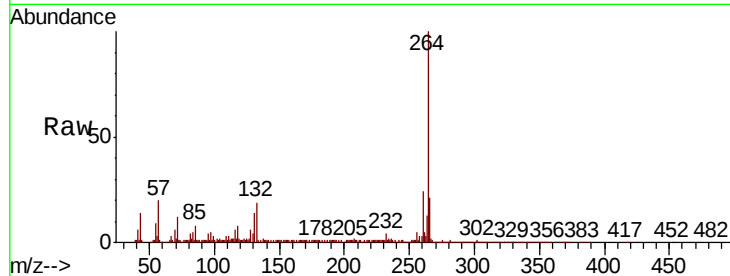




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2310
Delta R.T. -0.02 min
Lab File: BF110113.D
Acq: 24 Oct 2018 14:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.7	28.1
265	20.8	16.7	25.1

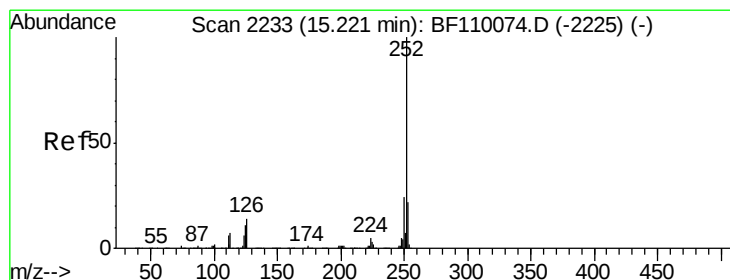
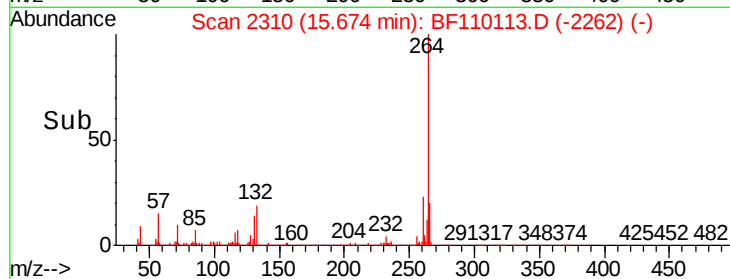
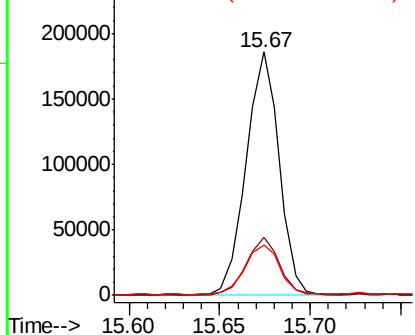


Abundance

Ion 264.00 (263.70 to 264.70): E

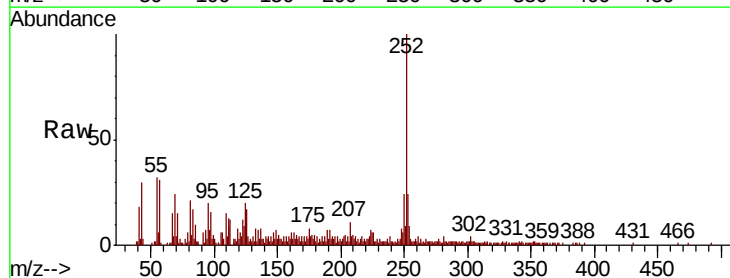
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 5.142 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.02 min
Lab File: BF110113.D
Acq: 24 Oct 2018 14:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.2	25.8
125	19.7	8.2	12.4#

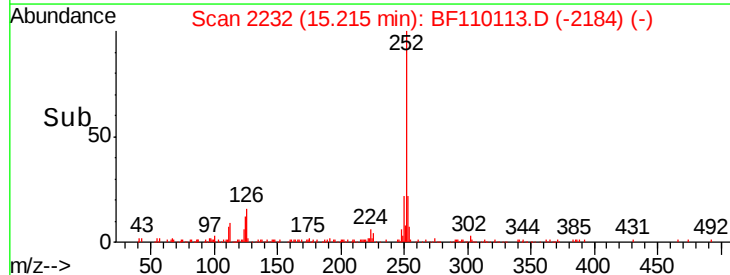
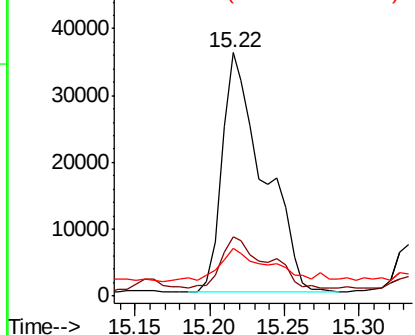


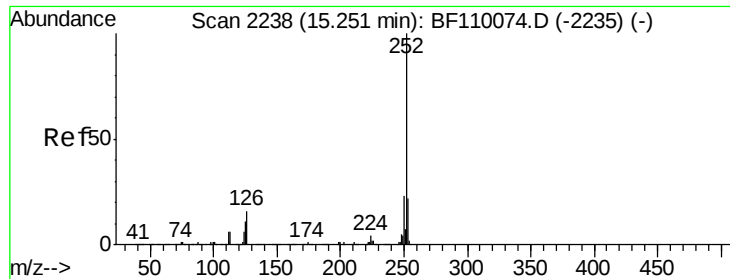
Abundance

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

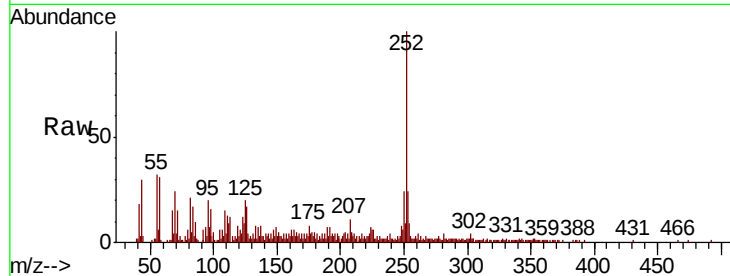




#89
Benzo(k)fluoranthene
Concen: 5.231 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.05 min
Lab File: BF110113.D
Acq: 24 Oct 2018 14:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.2	25.8
125	19.7	7.4	11.0

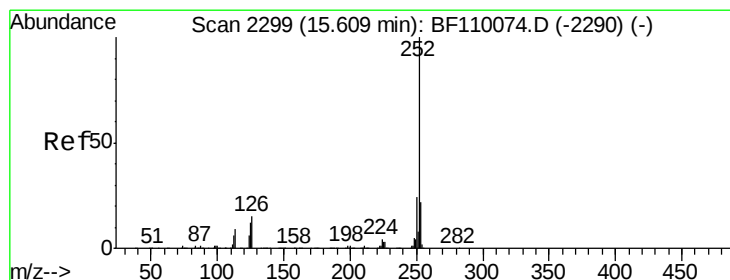
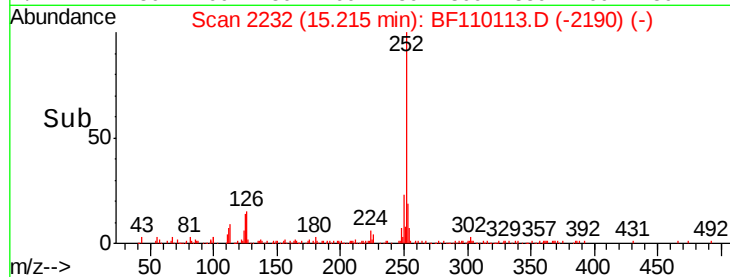
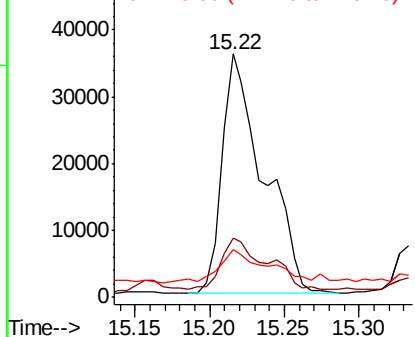


Abundance

Ion 252.00 (251.70 to 252.70): E

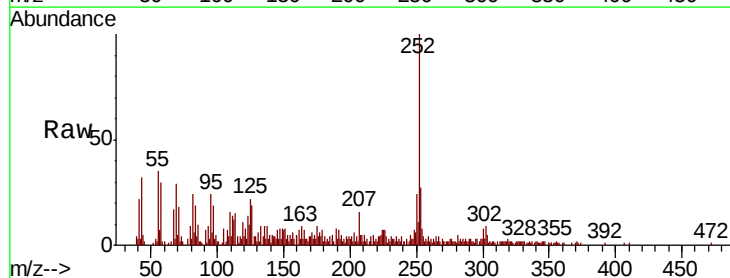
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.781 ng
RT: 15.60 min Scan# 2298
Delta R.T. -0.02 min
Lab File: BF110113.D
Acq: 24 Oct 2018 14:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.2	18.2	27.4
125	22.1	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

