

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110718\
 Data File : BF110567.D
 Acq On : 7 Nov 2018 20:35
 Operator : JU/SJ
 Sample : J5813-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 08 16:23:03 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 16:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	76441	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	274355	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	104953	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	167765	20.00	ng	0.00
76) Chrysene-d12	14.14	240	169150	20.00	ng	0.00
87) Perylene-d12	15.67	264	117348	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.57	112	445544	94.92	ng	0.00
7) Phenol-d6	6.58	99	552150	91.96	ng	0.00
23) Nitrobenzene-d5	7.52	82	343652	74.29	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	87757	84.41	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	530752	79.41	ng	0.00
79) Terphenyl-d14	13.07	244	421453	51.82	ng	0.00

Target Compounds

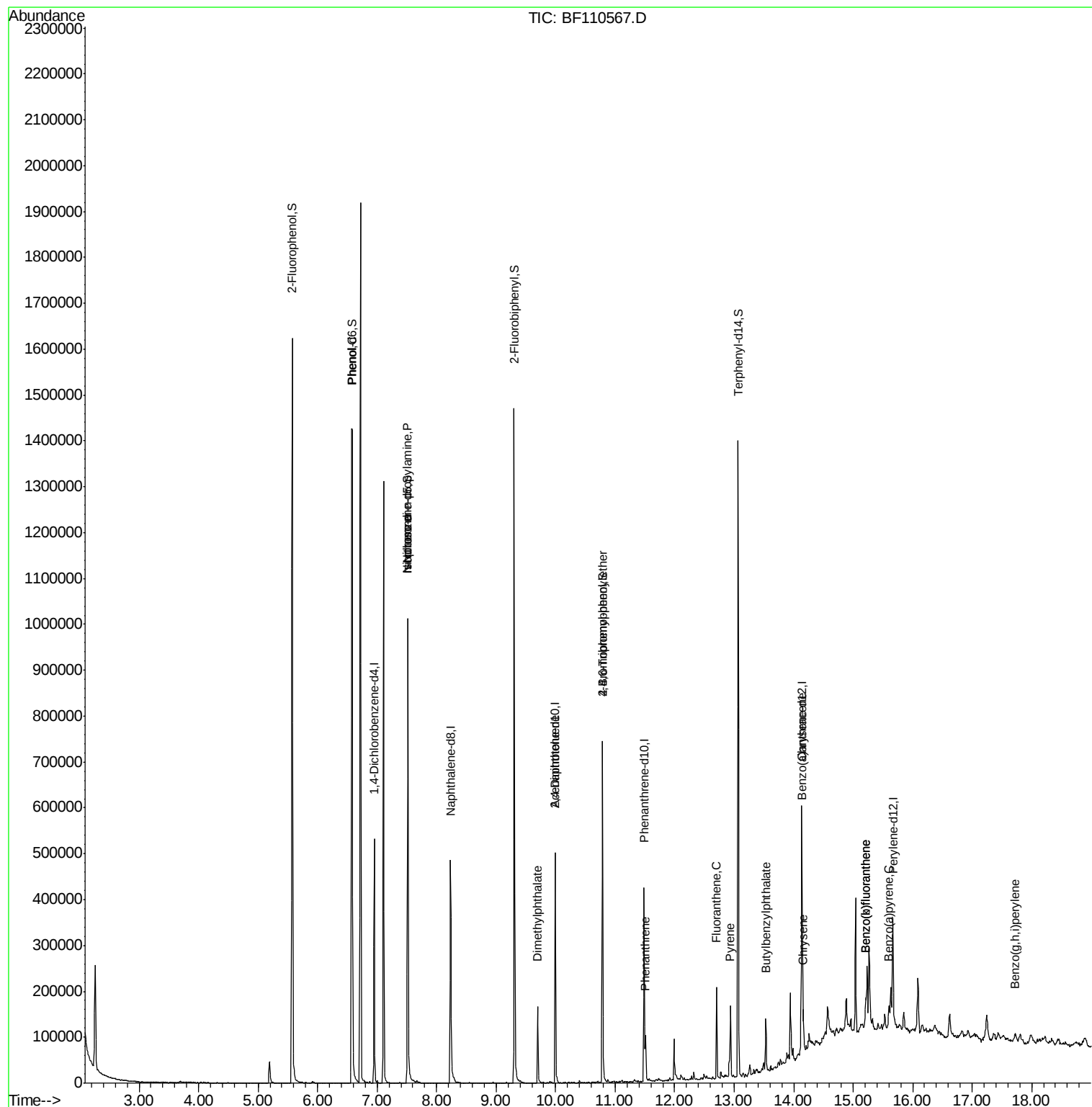
						Qvalue
9) Benzaldehyde	6.58	77	1159	Below Cal	#	1
10) Phenol	6.59	94	35431	5.521 ng	#	73
19) n-Nitroso-di-n-propylamine	7.52	70	44164	11.466 ng	#	80
25) Isophorone	7.52	82	343651	43.584 ng	#	67
50) Dimethylphthalate	9.70	163	75534	9.750 ng		99
57) 2,4-Dinitrotoluene	9.99	165	13438	6.340 ng	#	17
67) 4-Bromophenyl-phenylether	10.79	248	5492	3.018 ng	#	1
71) Phenanthrene	11.51	178	37374	4.258 ng		98
75) Fluoranthene	12.70	202	82733	9.287 ng		98
78) Pyrene	12.94	202	64955	5.356 ng		99
80) Butylbenzylphthalate	13.53	149	22315	4.240 ng		98
81) Benzo(a)anthracene	14.13	228	30929	3.083 ng		98
83) Chrysene	14.16	228	32132	3.373 ng		95
88) Benzo(b)fluoranthene	15.21	252	48393	7.141 ng	#	92
89) Benzo(k)fluoranthene	15.21	252	48393	7.264 ng	#	91
90) Benzo(a)pyrene	15.60	252	19883	3.189 ng	#	87
92) Benzo(a,h,i)perylene	17.72	276	11331	2.137 ng	#	88

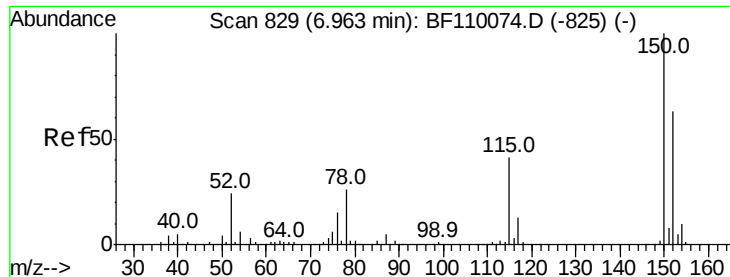
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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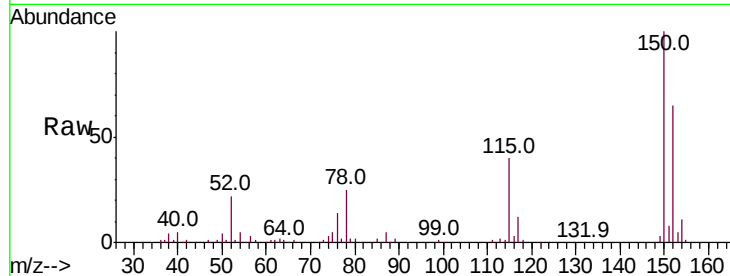


#1

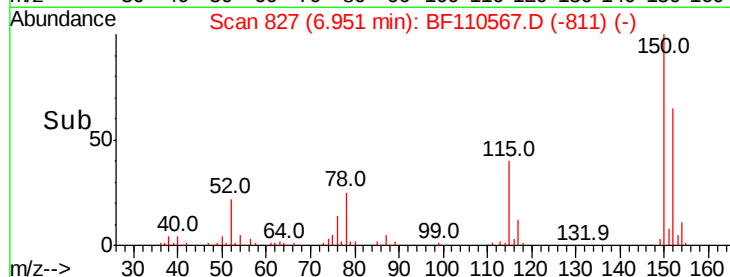
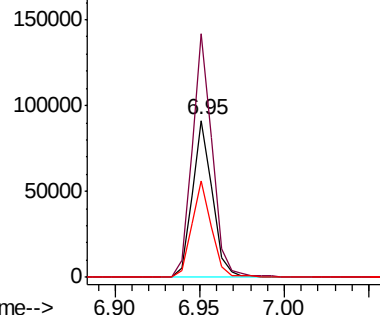
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 827
 Delta R.T. -0.01 min
 Lab File: BF110567.D
 Acq: 7 Nov 2018 20:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 76441
 Ion Ratio Lower Upper
 152 100
 150 154.9 122.7 184.1
 115 61.5 49.1 73.7



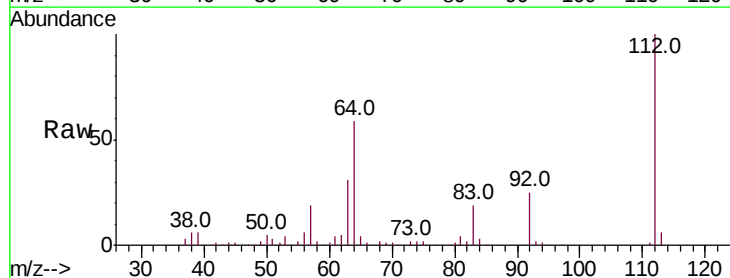
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



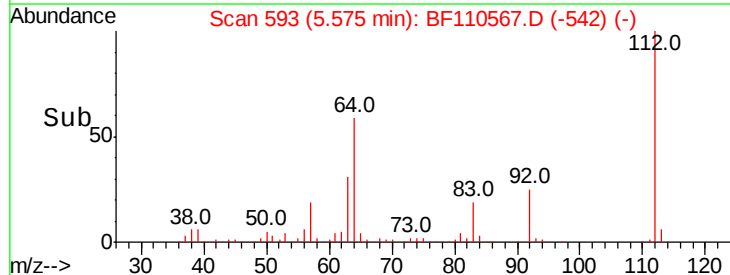
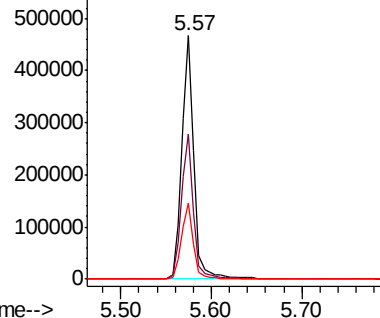
#5

2-Fluorophenol
 Concen: 94.916 ng
 RT: 5.57 min Scan# 593
 Delta R.T. -0.00 min
 Lab File: BF110567.D
 Acq: 7 Nov 2018 20:35

Tgt Ion:112 Resp: 445544
 Ion Ratio Lower Upper
 112 100
 64 59.4 44.1 66.1
 63 31.4 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: 91.962 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.00 min

Lab File: BF110567.D

Acq: 7 Nov 2018 20:35

Instrument :

BNA_F

ClientSampleId :

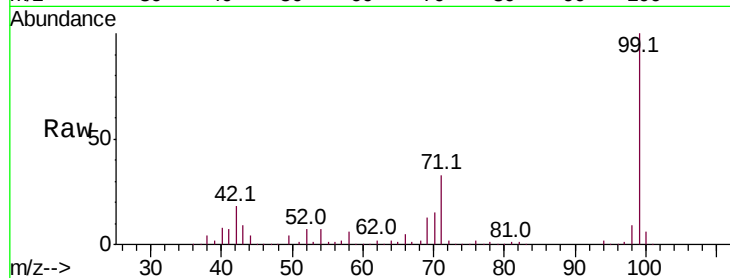
Tot Ion: 99 Resp: 552150

Ion Ratio Lower Upper

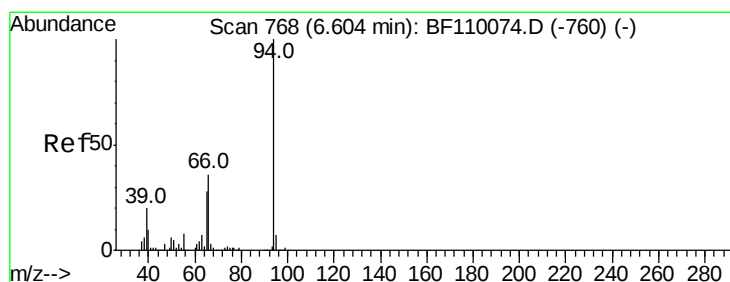
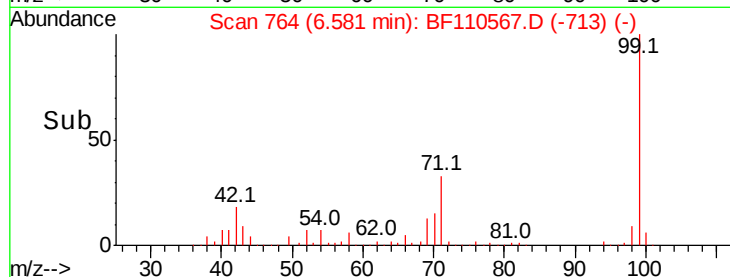
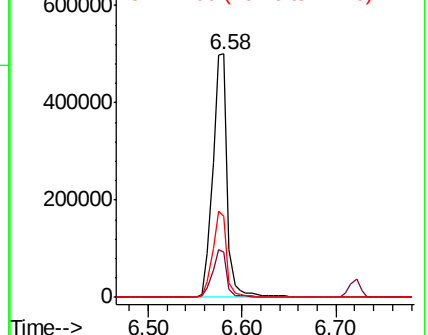
99 100

42 18.4 15.8 23.6

71 33.3 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: 5.521 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF110567.D

Acq: 7 Nov 2018 20:35

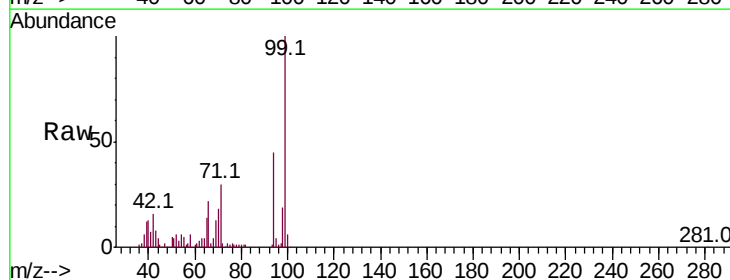
Tgt Ion: 94 Resp: 35431

Ion Ratio Lower Upper

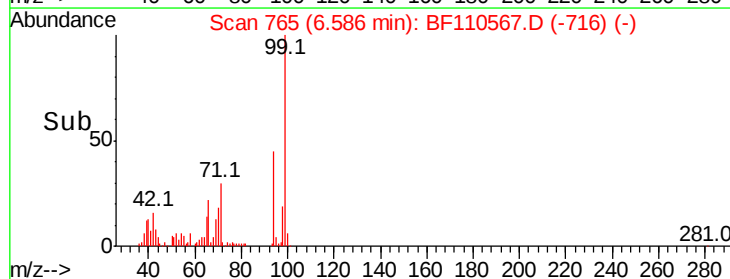
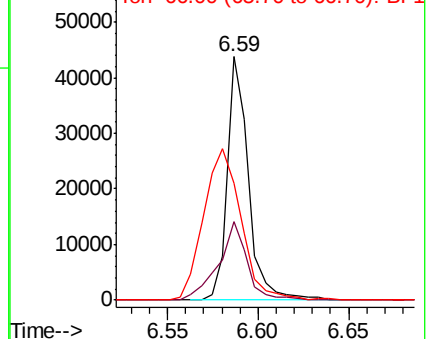
94 100

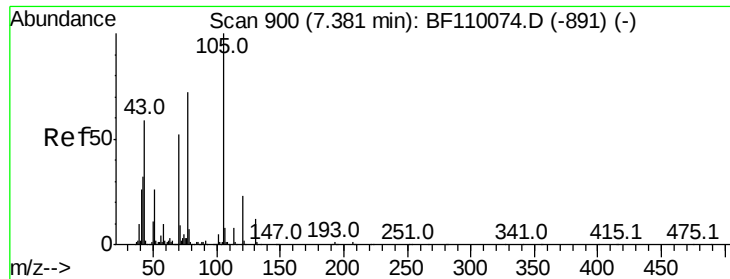
65 32.2 25.3 65.3

66 47.9 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

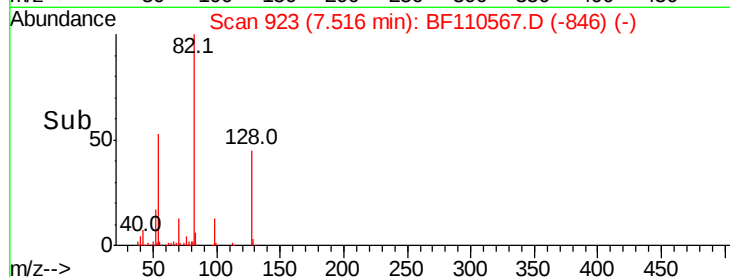
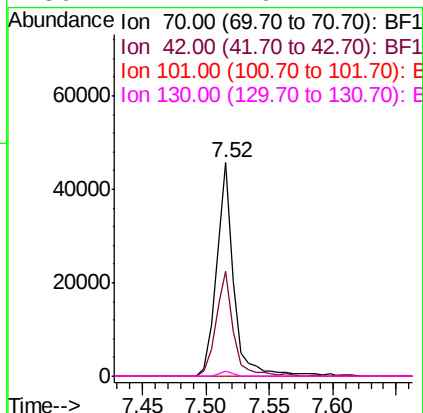
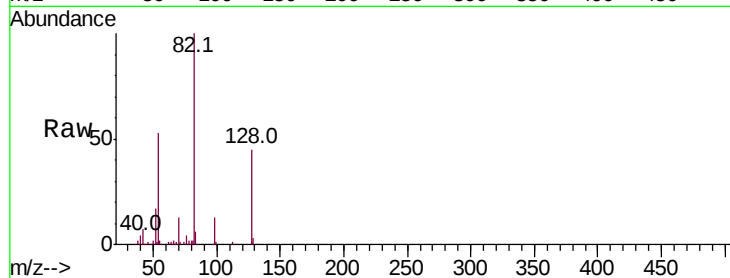




#19
n-Nitroso-di-n-propylamine
Concen: 11.466 ng
RT: 7.52 min Scan# 923
Delta R.T. 0.15 min
Lab File: BF110567.D
Acq: 7 Nov 2018 20:35

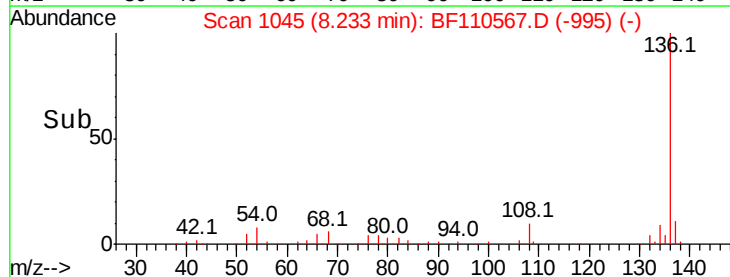
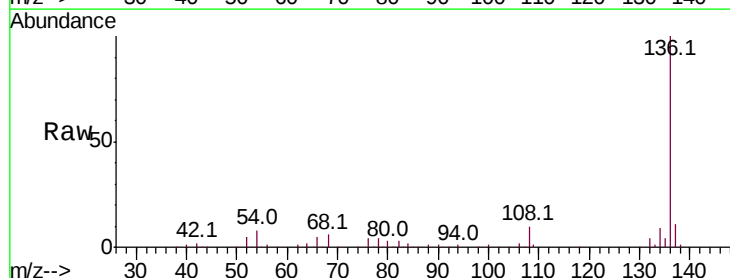
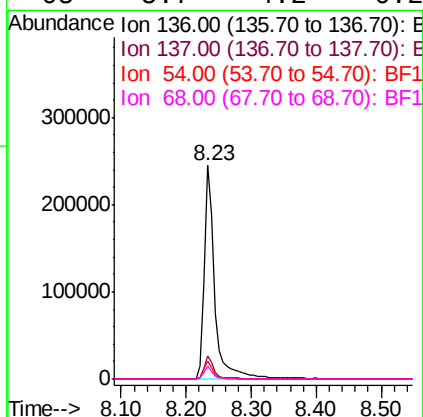
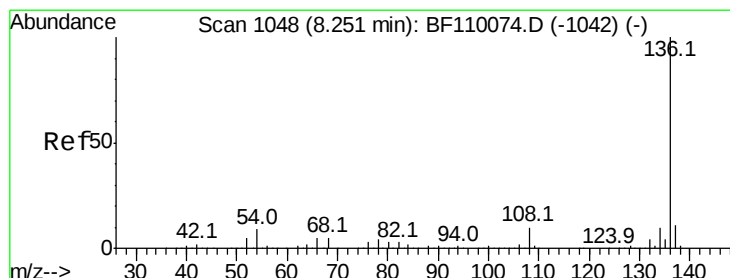
Instrument :
BNA_F
ClientSampleId :

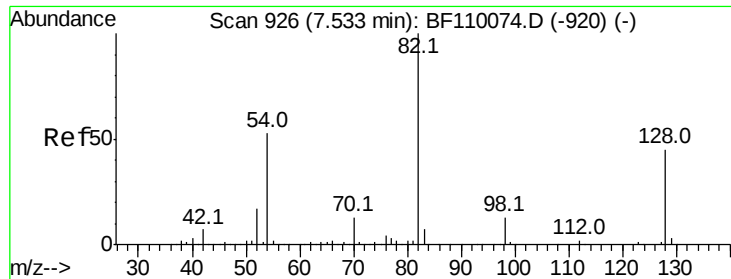
Tot Ion: 70 Resp: 44164
Ion Ratio Lower Upper
70 100
42 49.3 47.4 71.2
101 0.0 7.3 10.9#
130 2.2 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BF110567.D
Acq: 7 Nov 2018 20:35

Tgt Ion: 136 Resp: 274355
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 8.3 5.4 8.2#
68 5.7 4.2 6.2

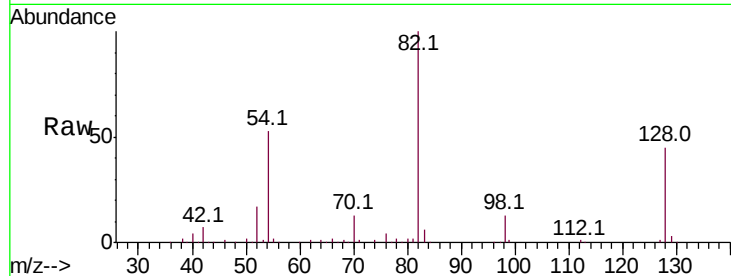




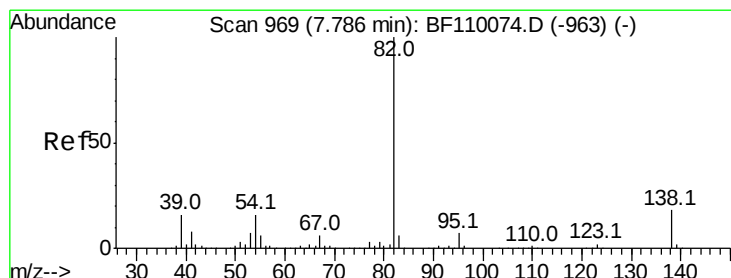
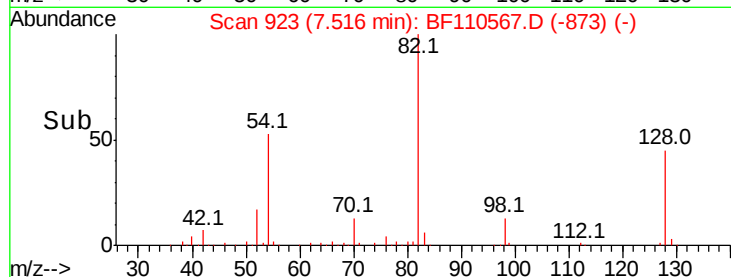
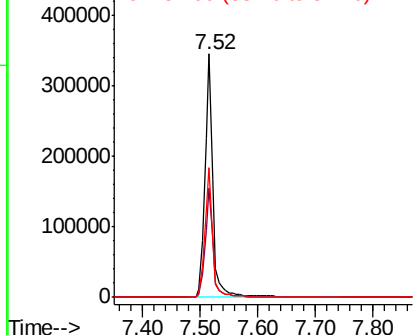
#23
 Nitrobenzene-d5
 Concen: 74.295 ng
 RT: 7.52 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: BF110567.D
 Acq: 7 Nov 2018 20:35

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.6	34.2	51.2
54	53.3	38.6	58.0

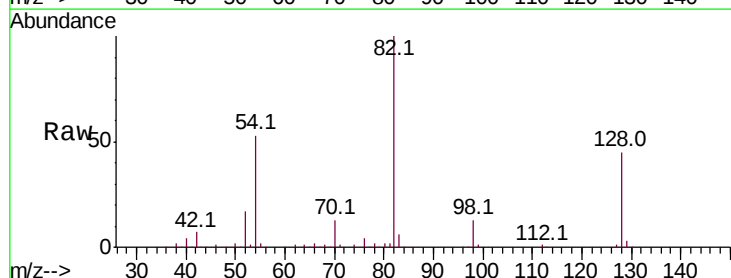


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

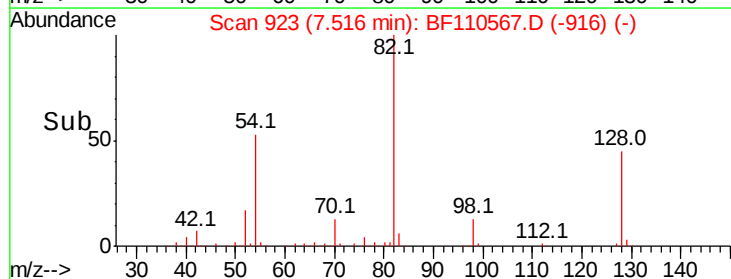
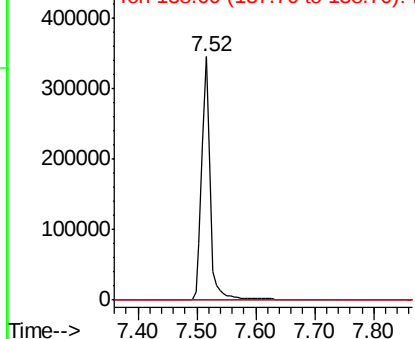


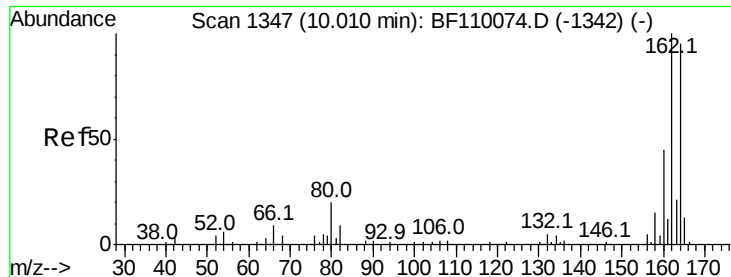
#25
 Isophorone
 Concen: 43.584 ng
 RT: 7.52 min Scan# 923
 Delta R.T. -0.26 min
 Lab File: BF110567.D
 Acq: 7 Nov 2018 20:35

Tgt 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

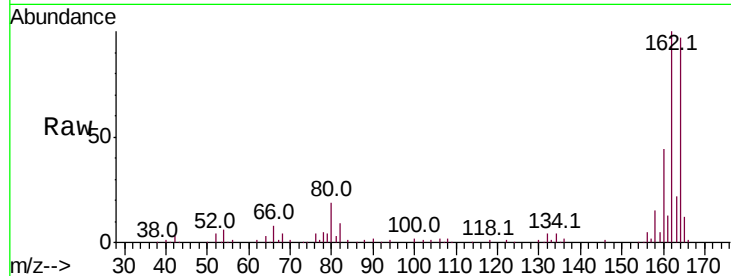




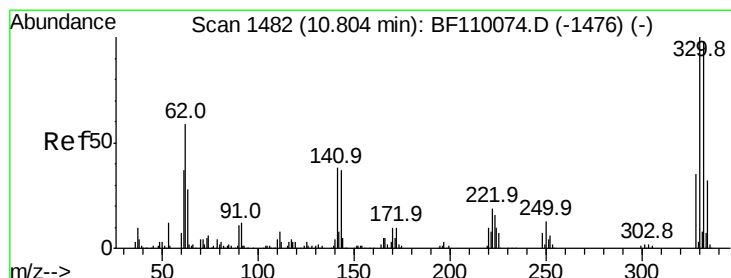
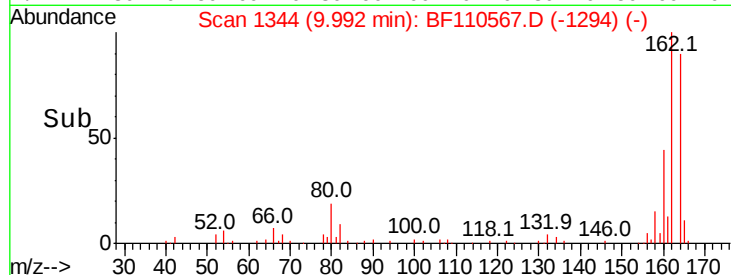
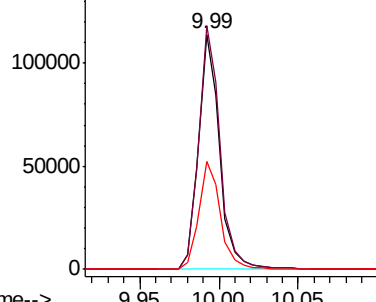
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BF110567.D
Acq: 7 Nov 2018 20:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 104953
Ion Ratio Lower Upper
164 100
162 103.6 83.0 124.6
160 45.9 37.0 55.6

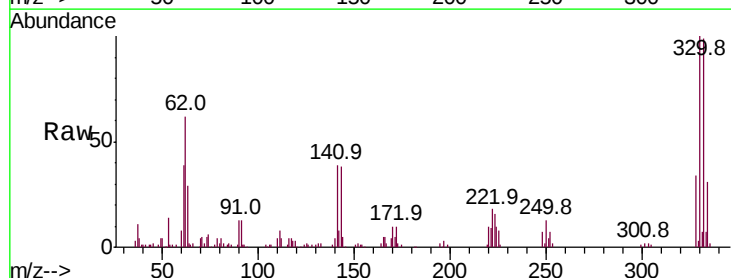


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

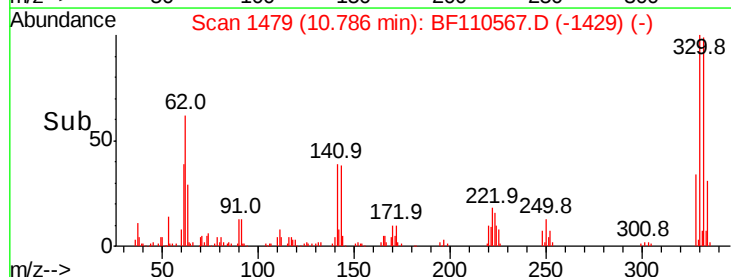
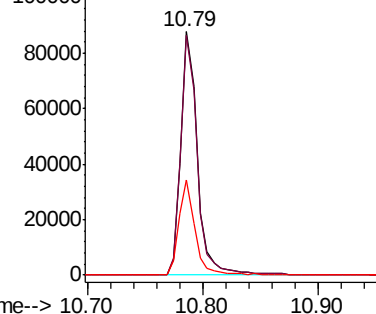


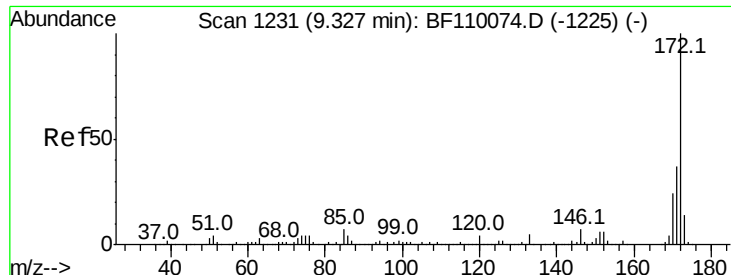
#42
2,4,6-Tribromophenol
Concen: 84.412 ng
RT: 10.79 min Scan# 1479
Delta R.T. -0.01 min
Lab File: BF110567.D
Acq: 7 Nov 2018 20:35

Tgt Ion:330 Resp: 87757
Ion Ratio Lower Upper
330 100
332 97.7 77.1 115.7
141 37.8 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

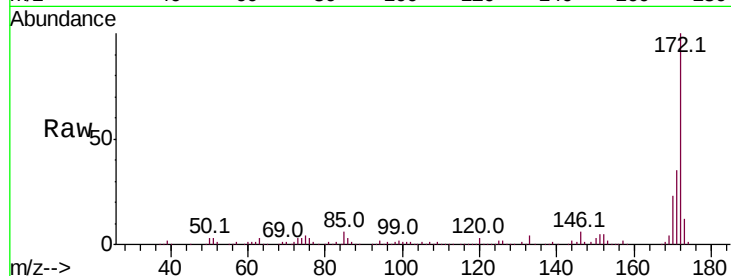




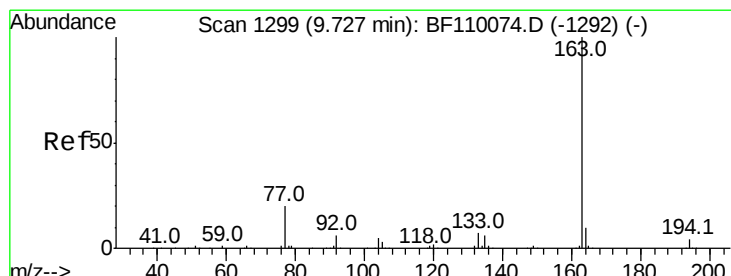
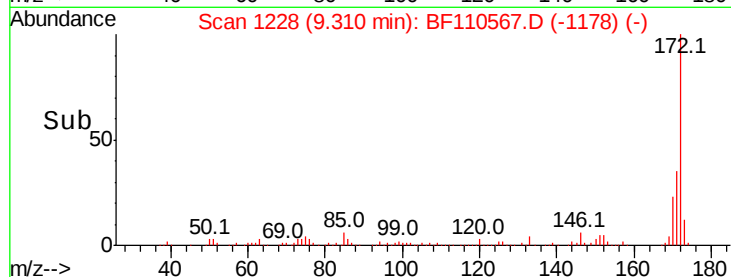
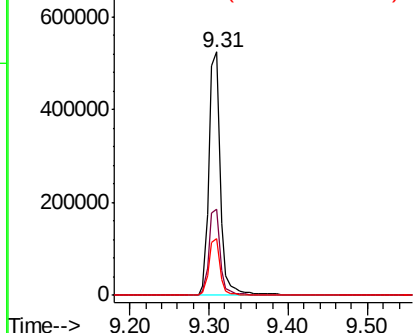
#45
 2-Fluorobiphenyl
 Concen: 79.409 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF110567.D
 Acq: 7 Nov 2018 20:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 530752
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.6 43.0
 170 23.1 19.7 29.5

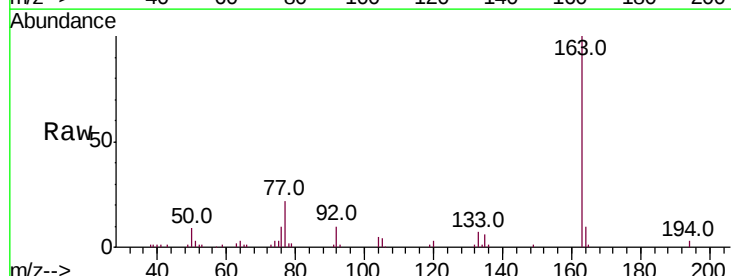


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

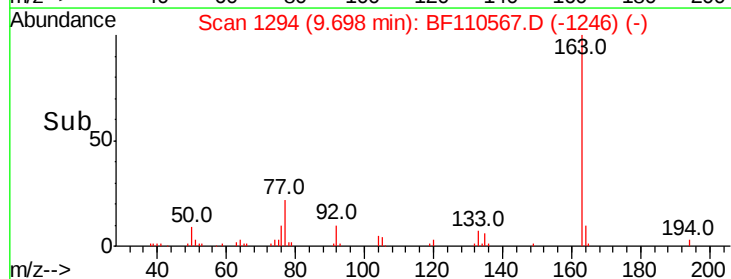
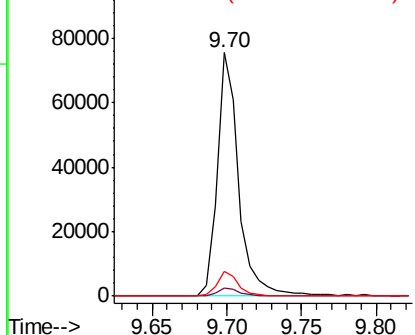


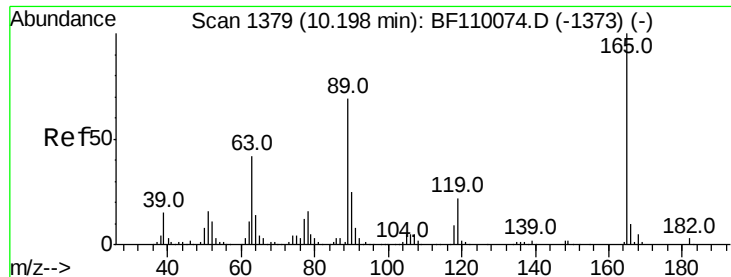
#50
 Dimethylphthalate
 Concen: 9.750 ng
 RT: 9.70 min Scan# 1294
 Delta R.T. -0.02 min
 Lab File: BF110567.D
 Acq: 7 Nov 2018 20:35

Tgt Ion:163 Resp: 75534
 Ion Ratio Lower Upper
 163 100
 194 3.4 3.2 4.8
 164 10.3 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

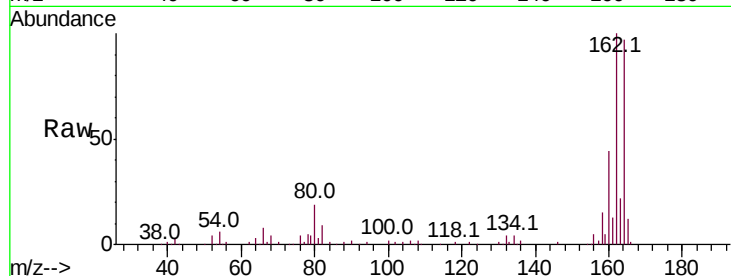




#57
 2,4-Dinitrotoluene
 Concen: 6.340 ng
 RT: 9.99 min Scan# 1344
 Delta R.T. -0.20 min
 Lab File: BF110567.D
 Acq: 7 Nov 2018 20:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	13438
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#

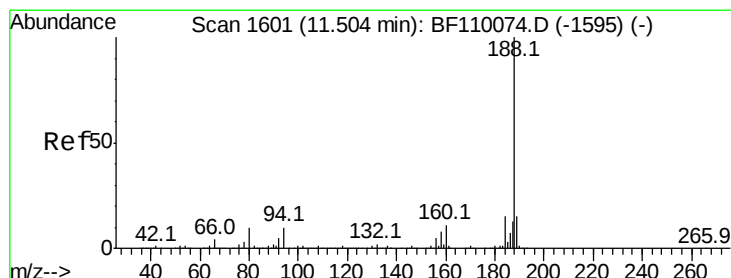
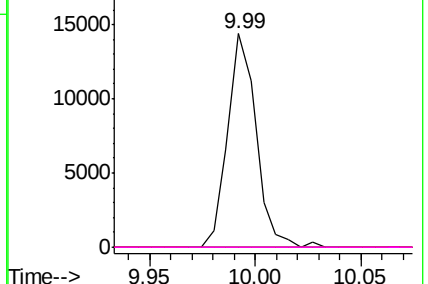
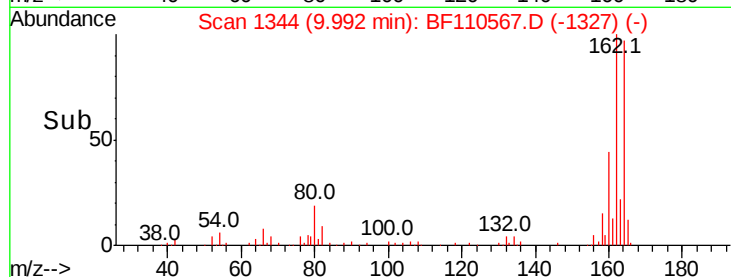


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

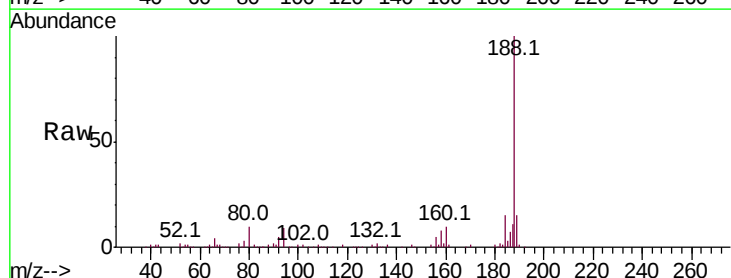
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. -0.01 min
 Lab File: BF110567.D
 Acq: 7 Nov 2018 20:35

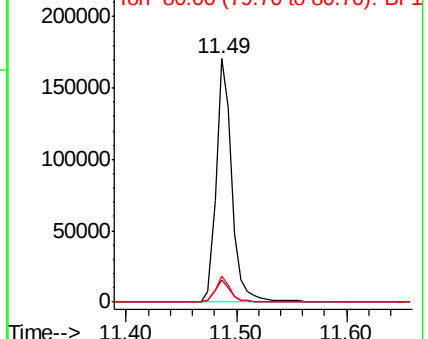
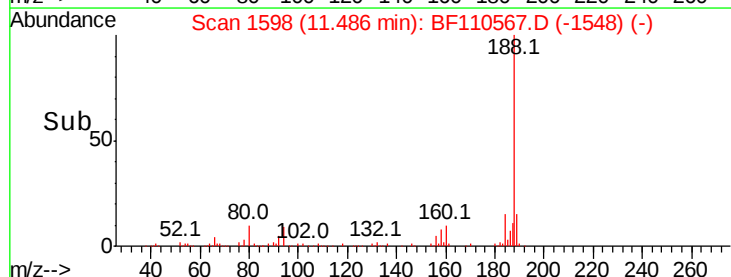
Tgt Ion:188	Resp:	167765
Ion	Ratio	Lower Upper
188	100	
94	9.3	7.2 10.8
80	10.5	7.9 11.9

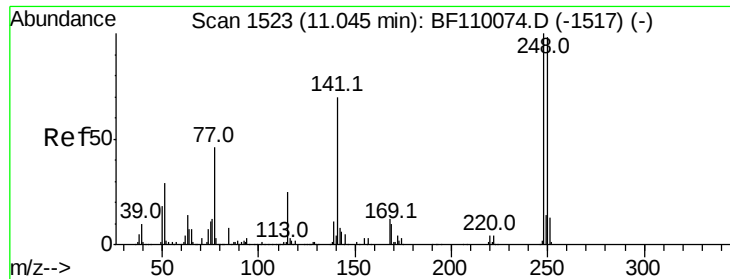


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

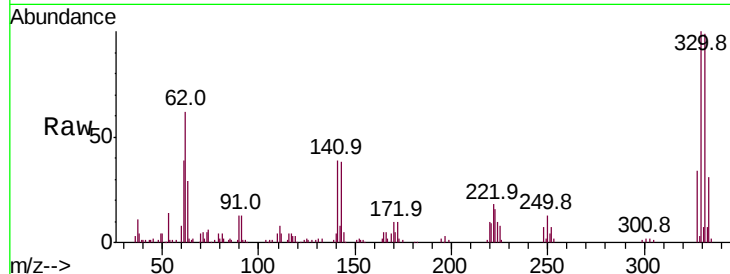




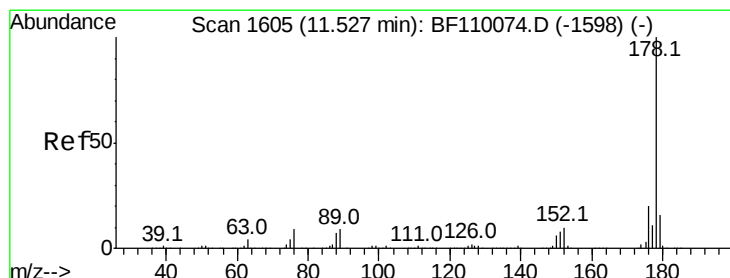
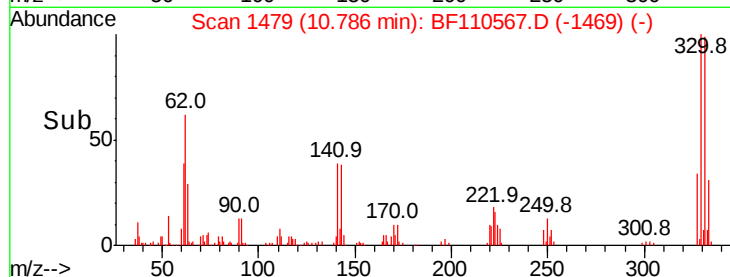
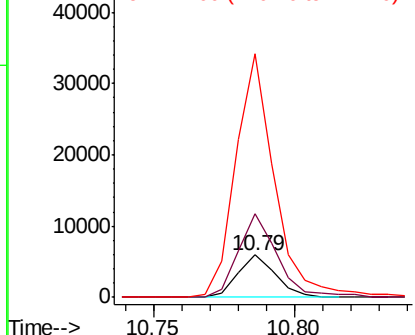
#67
 4-Bromophenyl-phenylether
 Concen: 3.018 ng
 RT: 10.79 min Scan# 1479
 Delta R.T. -0.24 min
 Lab File: BF110567.D
 Acq: 7 Nov 2018 20:35

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 5492
 Ion Ratio Lower Upper
 248 100
 250 196.2 79.4 119.2#
 141 574.8 55.9 83.9#

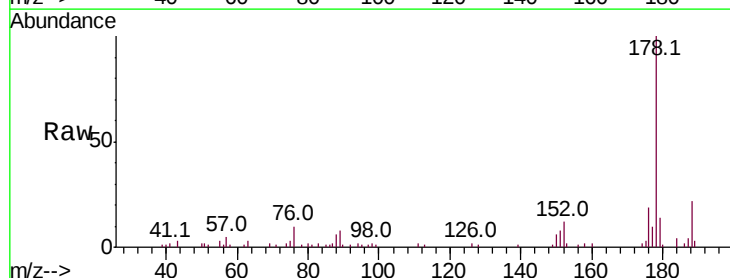


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

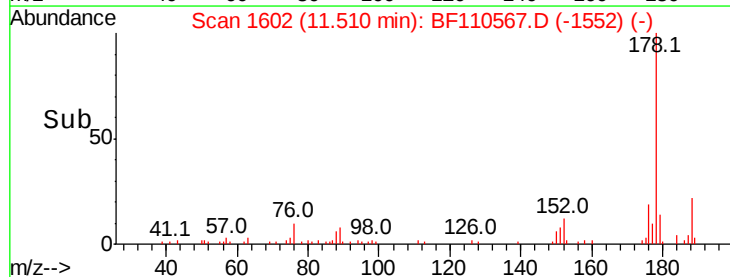
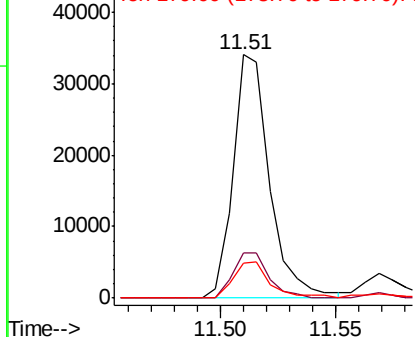


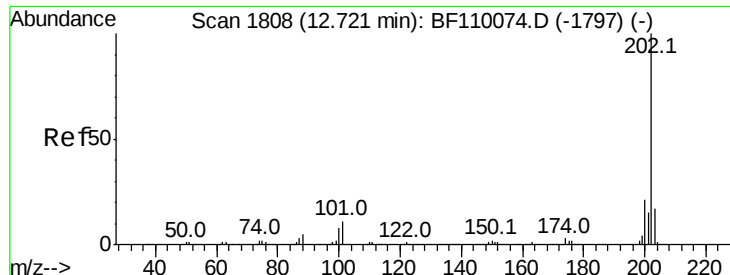
#71
 Phenanthrene
 Concen: 4.258 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. -0.01 min
 Lab File: BF110567.D
 Acq: 7 Nov 2018 20:35

Tgt Ion:178 Resp: 37374
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.5 23.3
 179 14.3 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





#75

Fluoranthene

Concen: 9.287 ng

RT: 12.70 min Scan# 1805

Delta R.T. -0.01 min

Lab File: BF110567.D

Acq: 7 Nov 2018 20:35

Instrument :

BNA_F

ClientSampleId :

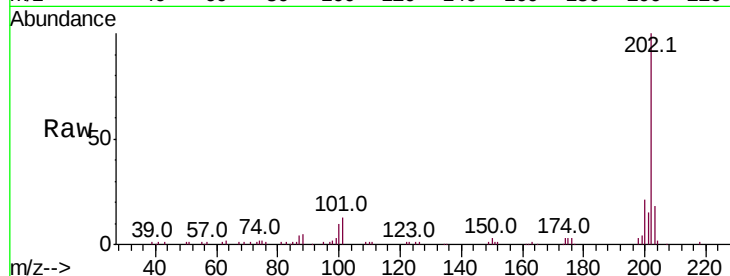
Tot Ion:202 Resp: 82733

Ion Ratio Lower Upper

202 100

101 12.6 0.0 31.4

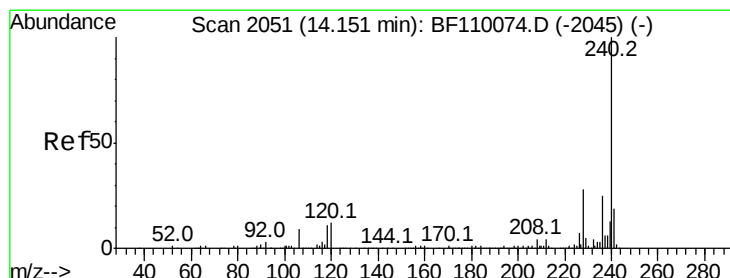
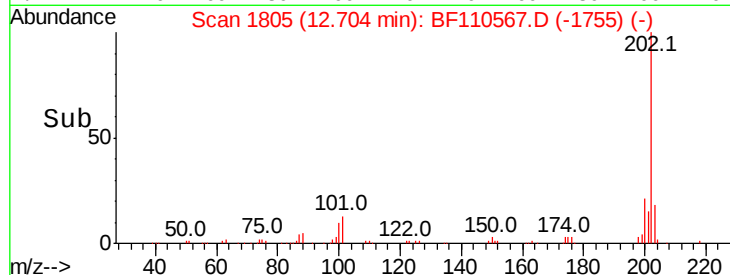
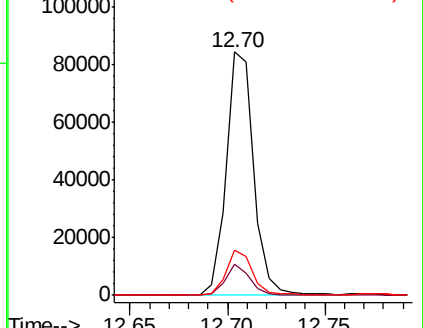
203 18.3 0.0 37.7



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. -0.00 min

Lab File: BF110567.D

Acq: 7 Nov 2018 20:35

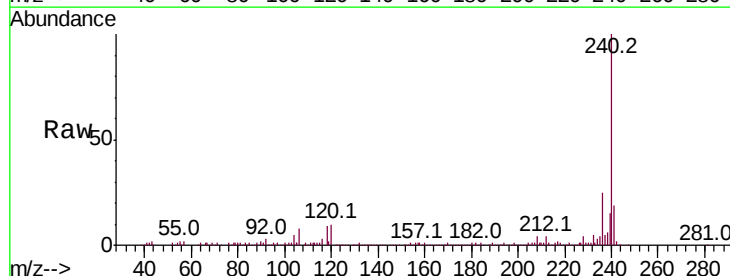
Tgt Ion:240 Resp: 169150

Ion Ratio Lower Upper

240 100

120 10.1 8.3 12.5

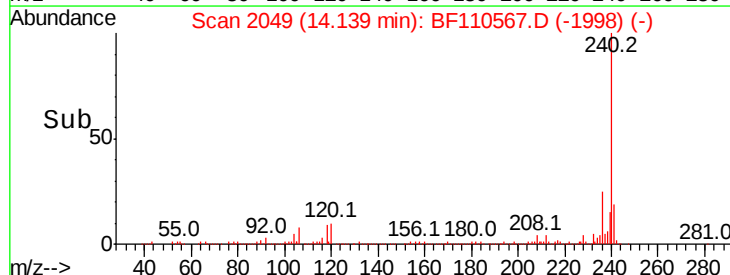
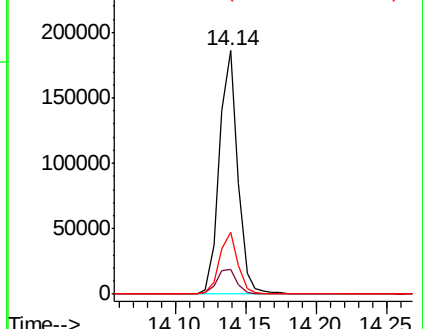
236 25.3 21.2 31.8

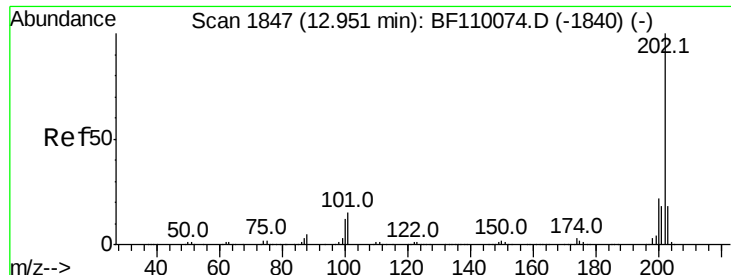


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

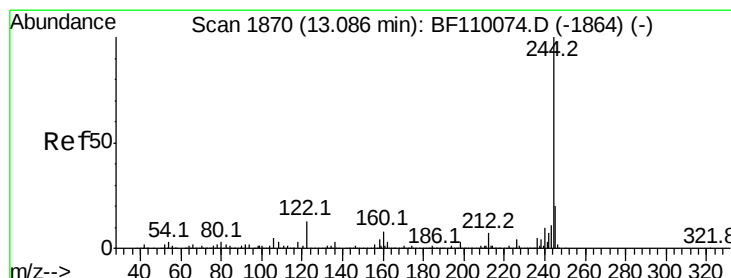
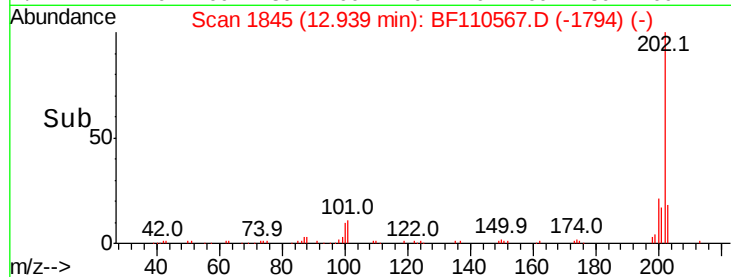
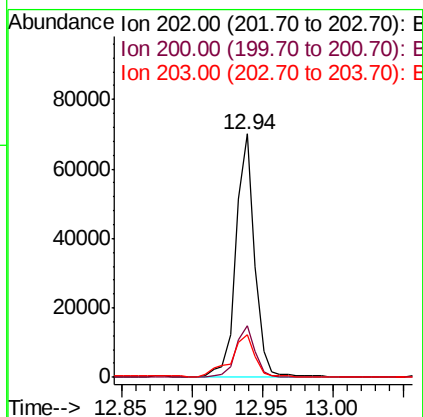
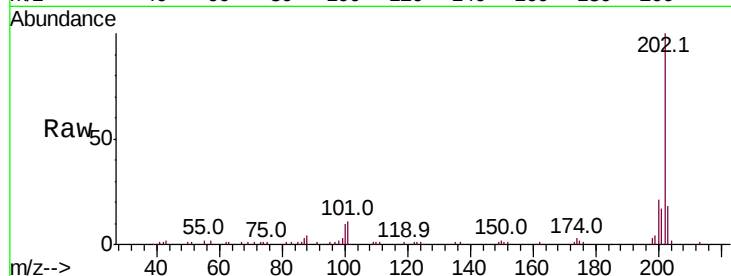




#78
Pvrene
Concen: 5.356 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.00 min
Lab File: BF110567.D
Acq: 7 Nov 2018 20:35

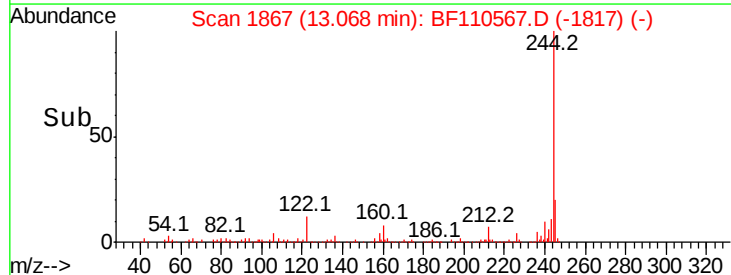
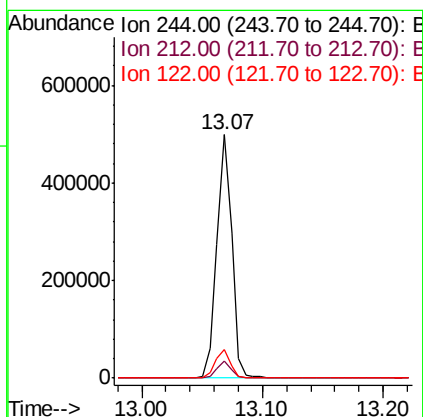
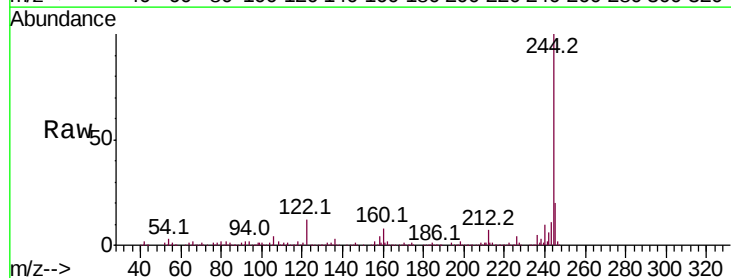
Instrument :
BNA_F
ClientSampleId :

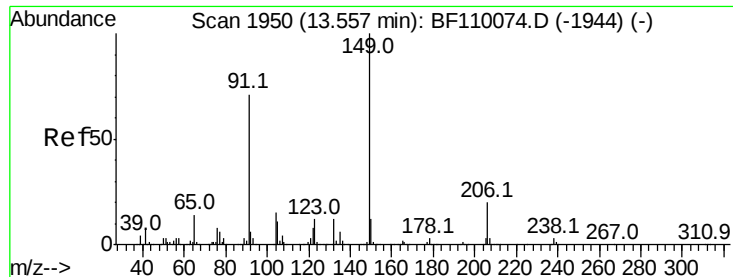
Tot Ion:202 Resp: 64955
Ion Ratio Lower Upper
202 100
200 21.1 17.8 26.6
203 17.7 14.2 21.4



#79
Terphenyl-d14
Concen: 51.818 ng
RT: 13.07 min Scan# 1867
Delta R.T. -0.01 min
Lab File: BF110567.D
Acq: 7 Nov 2018 20:35

Tgt Ion:244 Resp: 421453
Ion Ratio Lower Upper
244 100
212 7.2 5.8 8.8
122 11.8 8.7 13.1

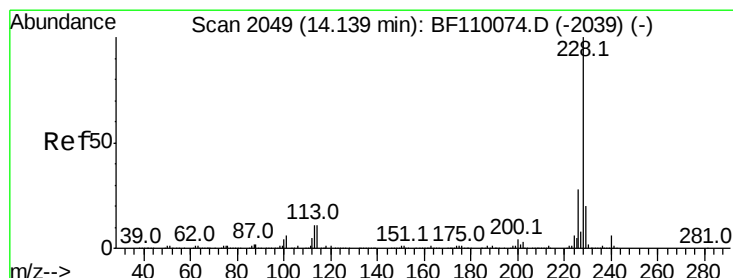
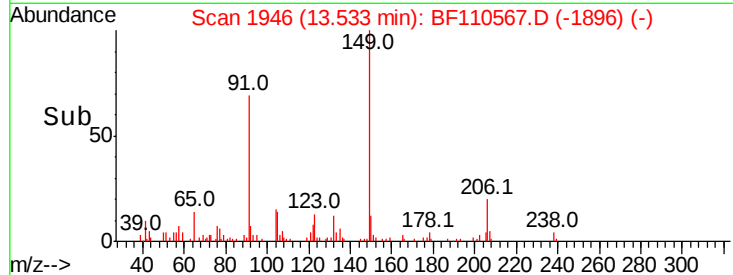
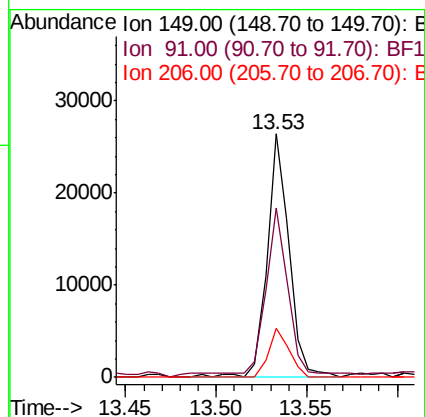
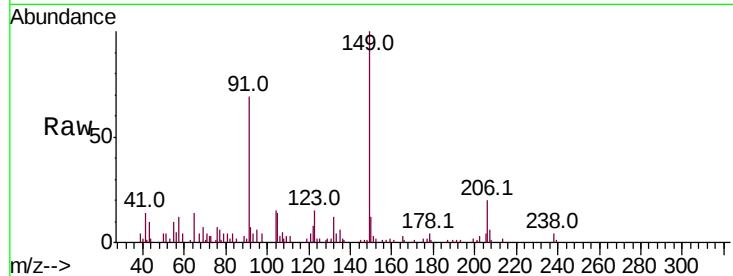




#80
 Butylbenzylphthalate
 Concen: 4.240 ng
 RT: 13.53 min Scan# 1946
 Delta R.T. -0.01 min
 Lab File: BF110567.D
 Acq: 7 Nov 2018 20:35

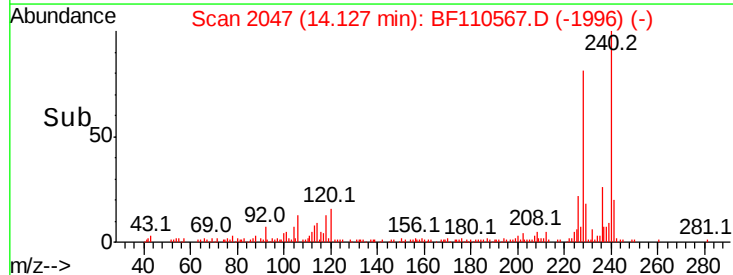
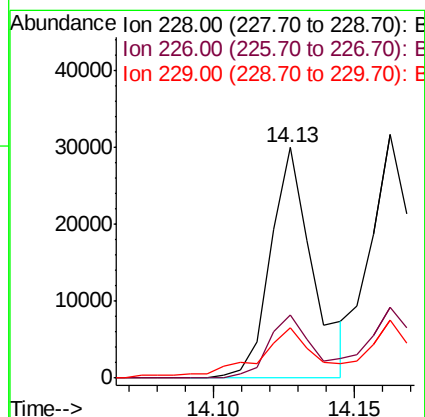
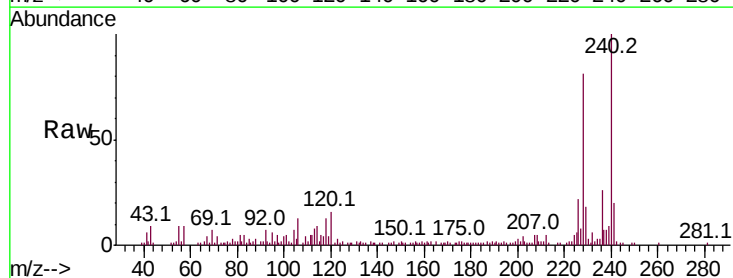
Instrument :
 BNA_F
 ClientSampleId :

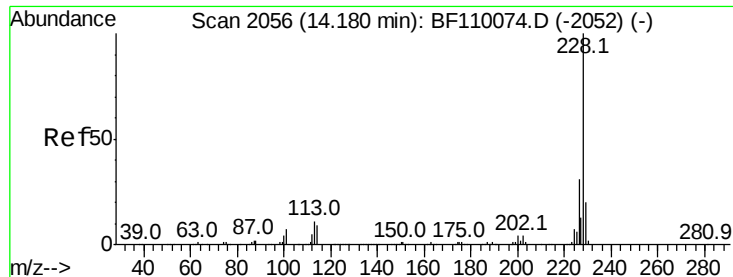
Tot Ion:	149	Resp:	22315
Ion Ratio	Lower	Upper	
149	100		
91	69.3	57.2	85.8
206	20.3	15.7	23.5



#81
 Benzo(a)anthracene
 Concen: 3.083 ng
 RT: 14.13 min Scan# 2047
 Delta R.T. -0.00 min
 Lab File: BF110567.D
 Acq: 7 Nov 2018 20:35

Tgt Ion:	228	Resp:	30929
Ion Ratio	Lower	Upper	
228	100		
226	27.5	22.1	33.1
229	21.8	15.6	23.4

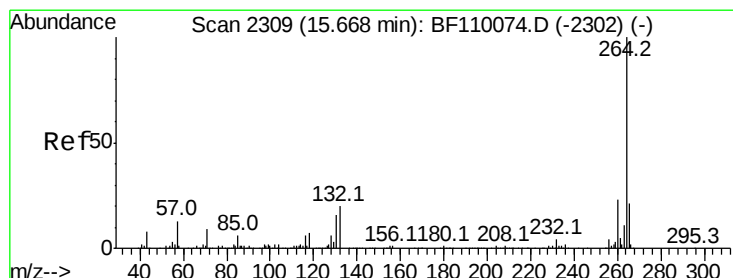
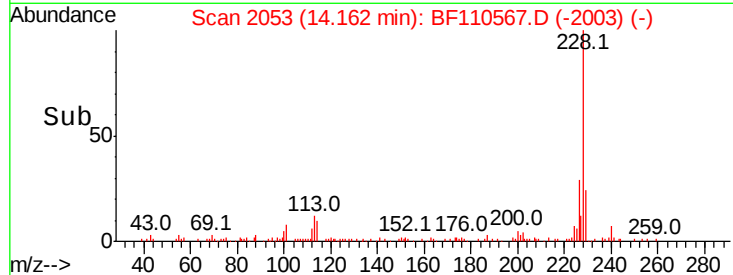
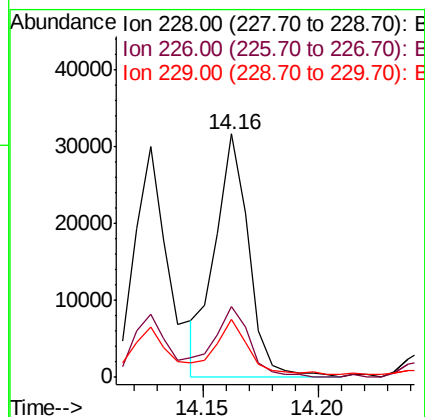
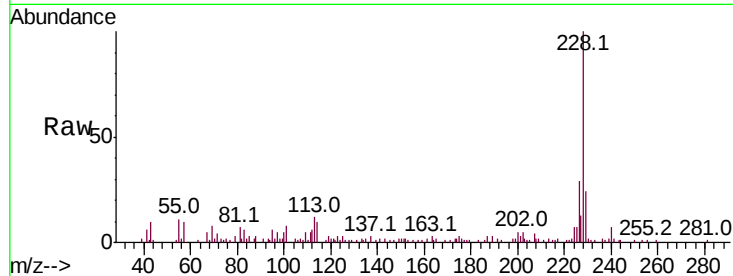




#83
Chrysene
Concen: 3.373 ng
RT: 14.16 min Scan# 2053
Delta R.T. -0.01 min
Lab File: BF110567.D
Acq: 7 Nov 2018 20:35

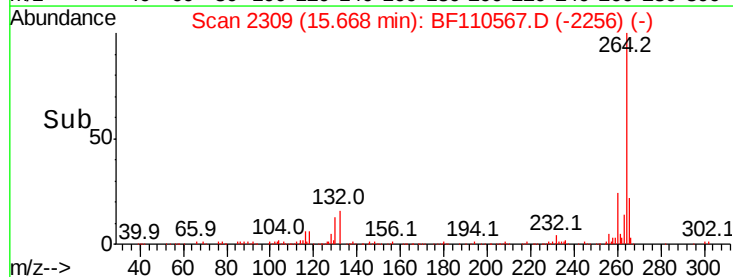
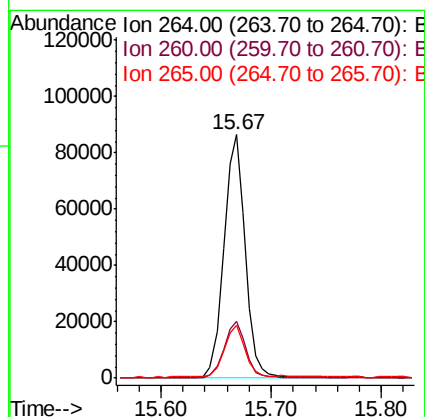
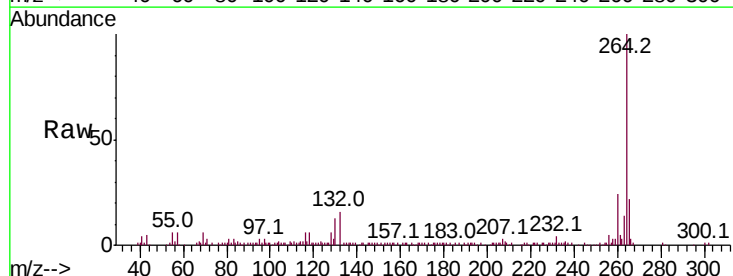
Instrument :
BNA_F
ClientSampleId :

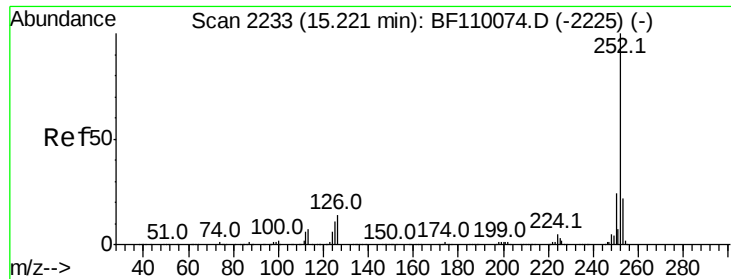
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.7	37.1
229	23.8	15.9	23.9



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2309
Delta R.T. 0.01 min
Lab File: BF110567.D
Acq: 7 Nov 2018 20:35

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	21.6	16.7	25.1

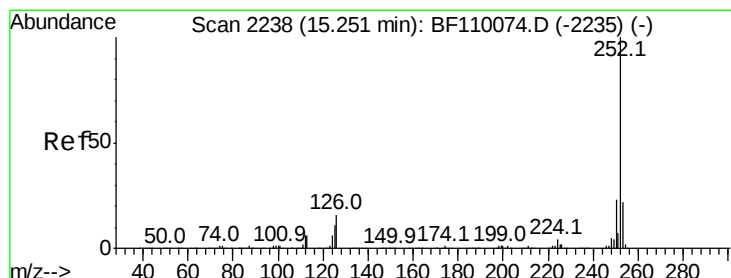
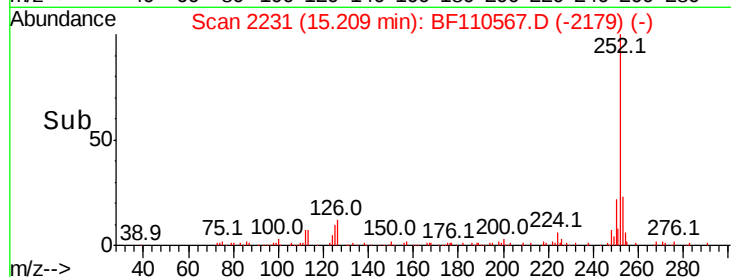
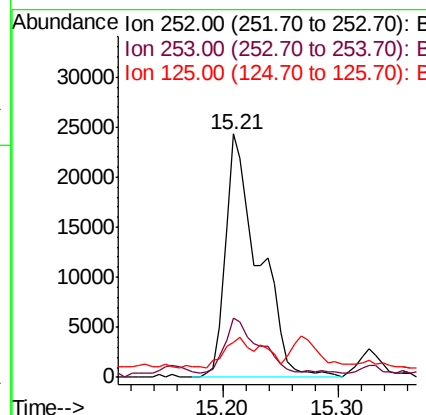
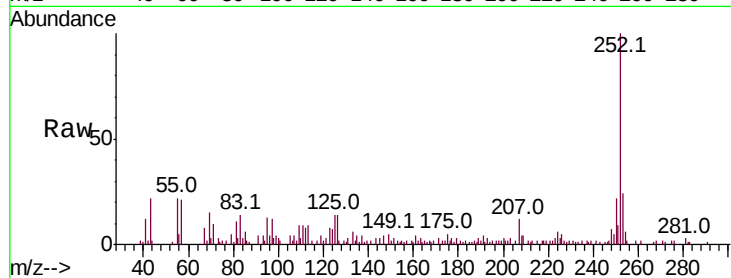




#88
Benzo(b)fluoranthene
Concen: 7.141 ng
RT: 15.21 min Scan# 2231
Delta R.T. 0.01 min
Lab File: BF110567.D
Acq: 7 Nov 2018 20:35

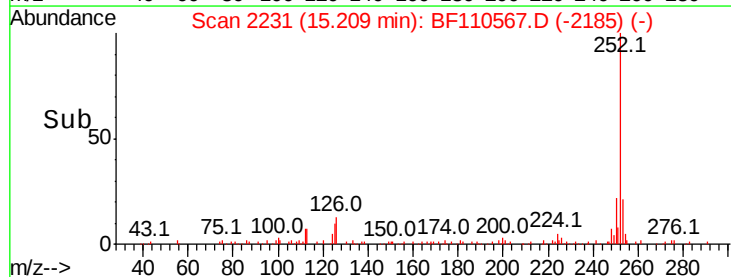
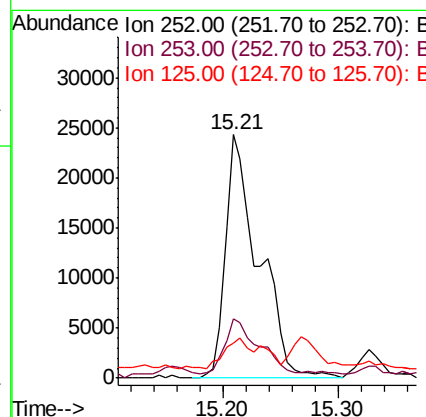
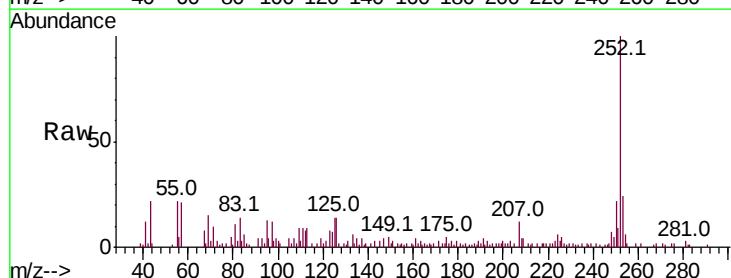
Instrument :
BNA_F
ClientSampleId :

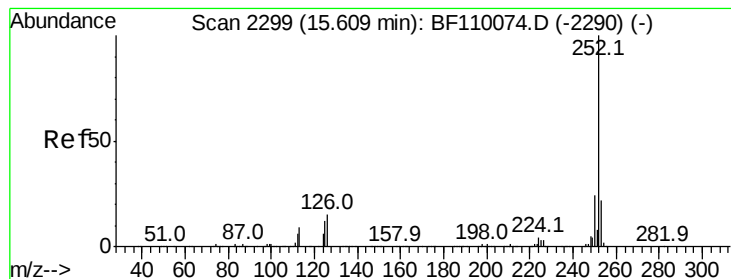
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.2	25.8
125	14.4	8.2	12.4



#89
Benzo(k)fluoranthene
Concen: 7.264 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.03 min
Lab File: BF110567.D
Acq: 7 Nov 2018 20:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.2	25.8
125	14.4	7.4	11.0





#90

Benzo(a)pyrene

Concen: 3.189 ng

RT: 15.60 min Scan# 2298

Delta R.T. 0.01 min

Lab File: BF110567.D

Acq: 7 Nov 2018 20:35

Instrument :

BNA_F

ClientSampleId :

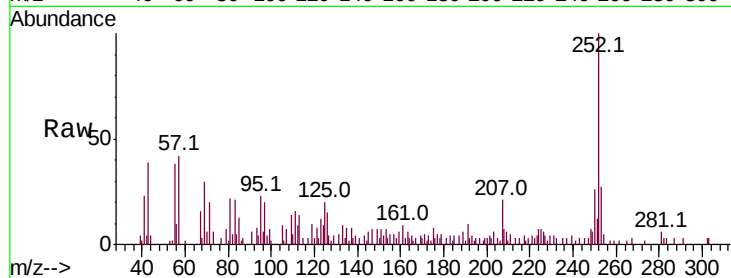
Tot Ion:252 Resp: 19883

Ion Ratio Lower Upper

252 100

253 26.9 18.2 27.4

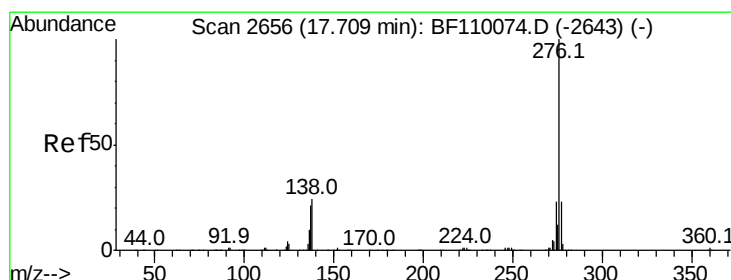
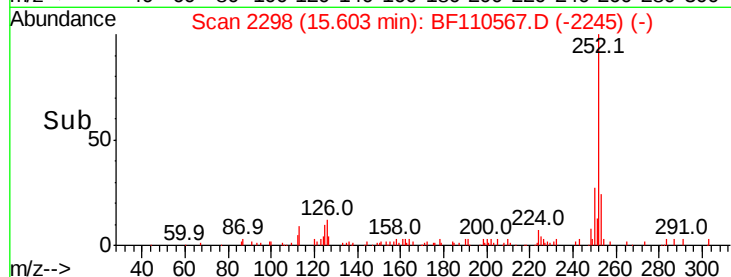
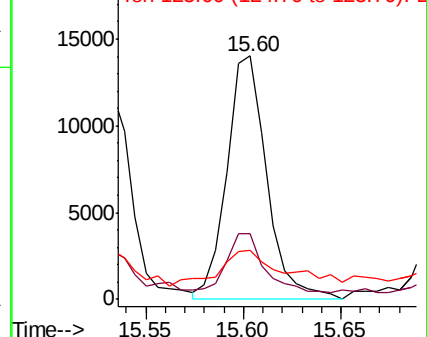
125 20.3 9.0 13.6#



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(g,h,i)perylene

Concen: 2.137 ng

RT: 17.72 min Scan# 2658

Delta R.T. 0.02 min

Lab File: BF110567.D

Acq: 7 Nov 2018 20:35

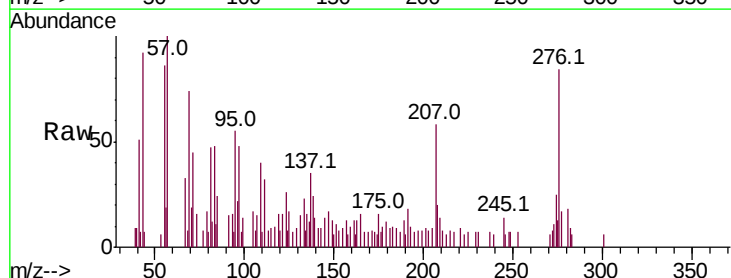
Tgt Ion:276 Resp: 11331

Ion Ratio Lower Upper

276 100

277 19.9 18.8 28.2

138 28.5 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

