

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112718\
 Data File : BF111003.D
 Acq On : 27 Nov 2018 12:15
 Operator : JU/SJ
 Sample : J6028-06RE
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 27 13:56:58 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 27 06:43:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	50888	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	184287	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	69701	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	126123	20.00	ng	0.00
76) Chrysene-d12	14.13	240	115454	20.00	ng	0.00
87) Perylene-d12	15.67	264	76468	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.56	112	317441	103.45	ng	0.01
7) Phenol-d6	6.57	99	383461	95.89	ng	0.00
23) Nitrobenzene-d5	7.50	82	243612	75.65	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	64730	93.51	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	399375	83.01	ng	0.00
79) Terphenyl-d14	13.06	244	381971	64.40	ng	0.00

Target Compounds

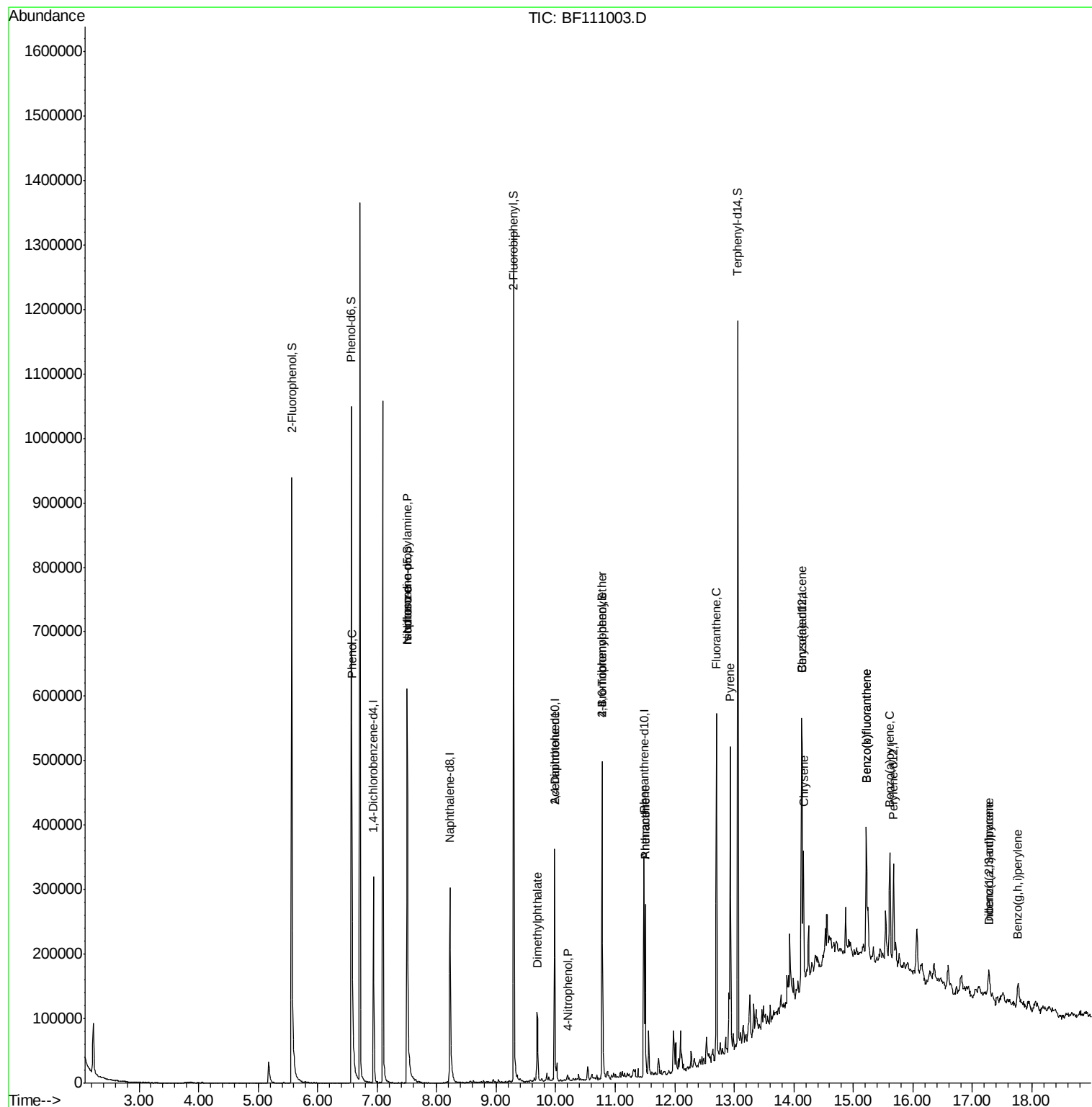
						Qvalue
9) Benzaldehyde	6.57	77	659	Below Cal	#	1
10) Phenol	6.58	94	21178	4.702 ng		82
19) n-Nitroso-di-n-propylamine	7.50	70	31133	11.952 ng	#	85
25) Isophorone	7.50	82	243612	46.121 ng	#	67
50) Dimethylphthalate	9.69	163	52357	10.242 ng		99
56) 4-Nitrophenol	10.19	139	2205	7.069 ng	#	15
57) 2,4-Dinitrotoluene	9.98	165	8659	5.865 ng	#	17
67) 4-Bromophenyl-phenylether	10.78	248	3971	2.891 ng	#	1
71) Phenanthrene	11.50	178	107414	16.080 ng		99
72) Anthracene	11.50	178	107414	15.790 ng		99
75) Fluoranthene	12.70	202	203752	29.678 ng		99
78) Pylene	12.93	202	185219	21.965 ng		98
81) Benzo(a)anthracene	14.13	228	89009	13.058 ng		99
83) Chrysene	14.16	228	72092	10.744 ng		99
86) Indeno(1,2,3-cd)pyrene	17.27	276	29186	6.060 ng		98
88) Benzo(b)fluoranthene	15.22	252	100537	22.380 ng	#	94
89) Benzo(k)fluoranthene	15.22	252	100537	21.744 ng	#	93
90) Benzo(a)pyrene	15.61	252	50971	12.190 ng	#	96
91) Dibenzo(a,h)anthracene	17.27	278	6970	2.020 ng	#	67
92) Benzo(a,h,i)perylene	17.77	276	29747	8.942 ng		93

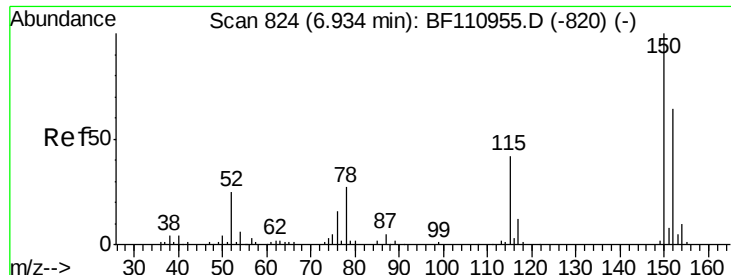
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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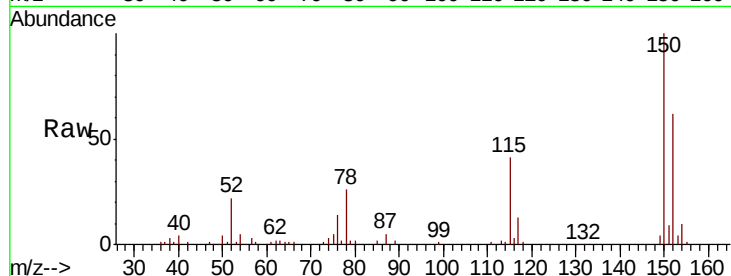


#1

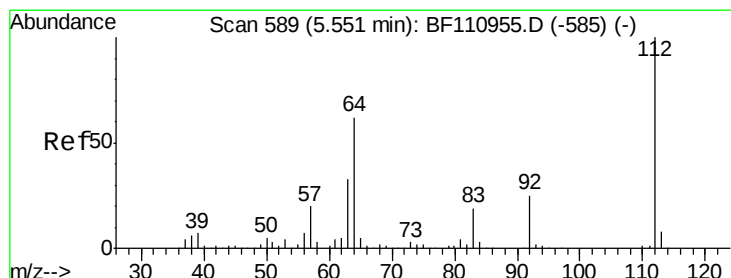
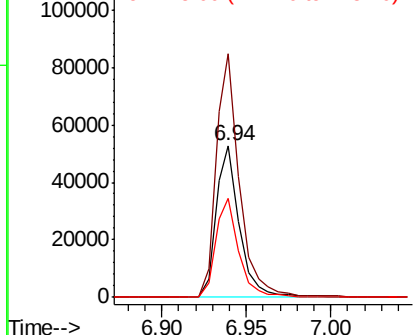
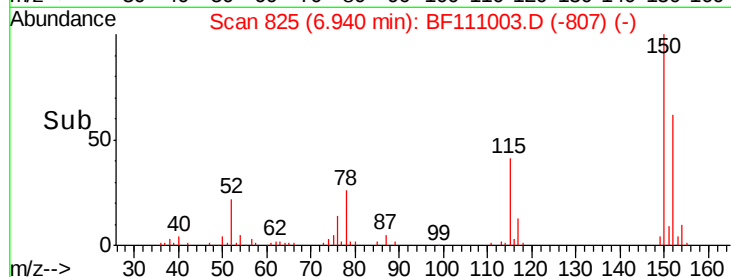
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. 0.01 min
Lab File: BF111003.D
Acq: 27 Nov 2018 12:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.4	122.7	184.1
115	65.2	49.1	73.7



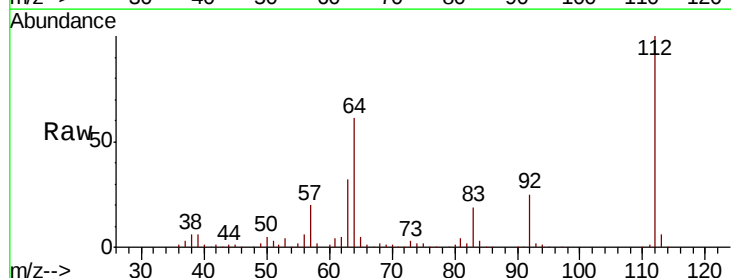
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



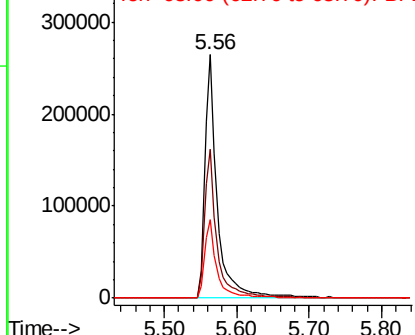
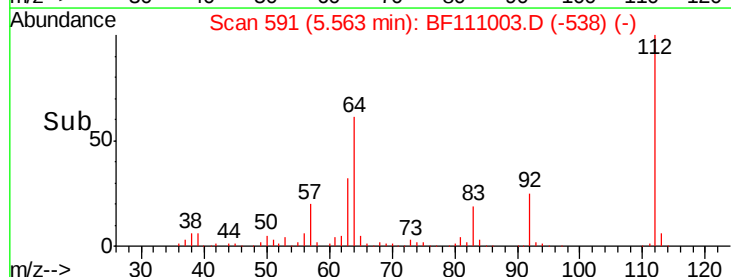
#5

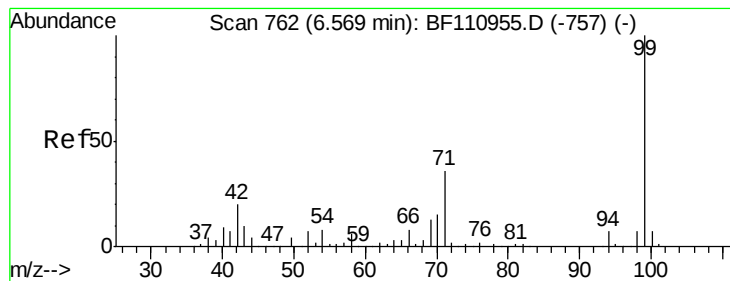
2-Fluorophenol
Concen: 103.446 ng
RT: 5.56 min Scan# 591
Delta R.T. 0.01 min
Lab File: BF111003.D
Acq: 27 Nov 2018 12:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.0	44.1	66.1
63	32.3	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: 95.890 ng

RT: 6.57 min Scan# 762

Delta R.T. 0.00 min

Lab File: BF111003.D

Acq: 27 Nov 2018 12:15

Instrument :

BNA_F

ClientSampled :

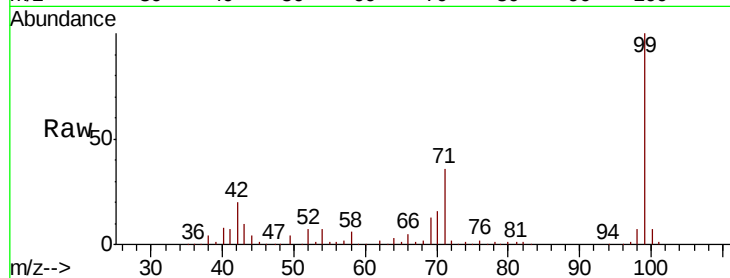
Tot Ion: 99 Resp: 383461

Ion Ratio Lower Upper

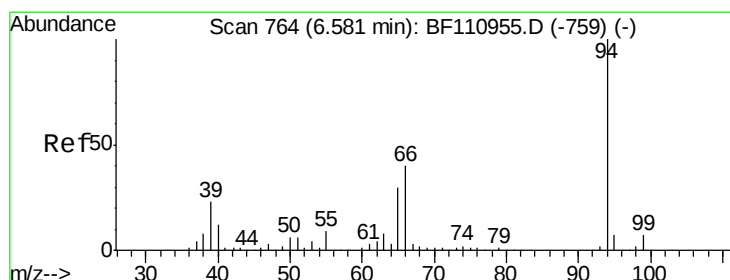
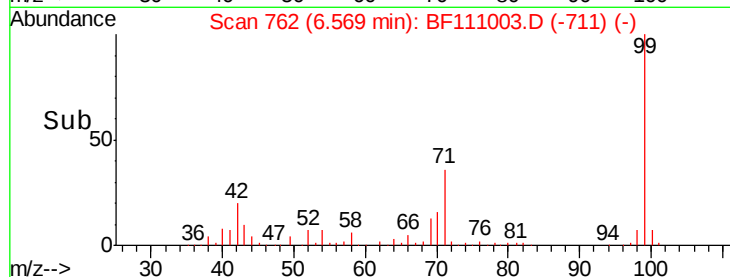
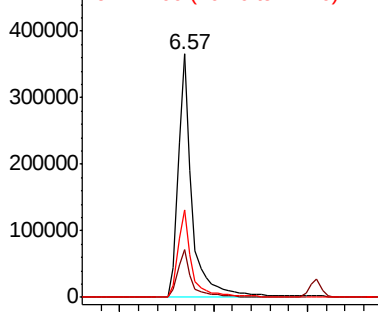
99 100

42 19.7 15.8 23.6

71 35.8 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: 4.702 ng

RT: 6.58 min Scan# 764

Delta R.T. 0.00 min

Lab File: BF111003.D

Acq: 27 Nov 2018 12:15

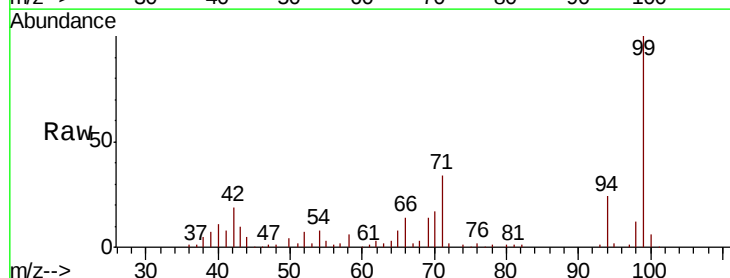
Tgt Ion: 94 Resp: 21178

Ion Ratio Lower Upper

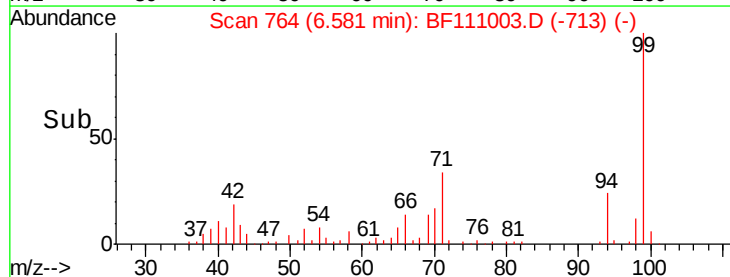
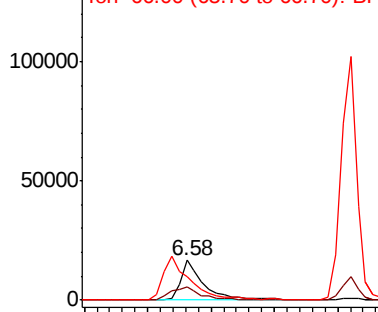
94 100

65 34.4 25.3 65.3

66 59.1 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

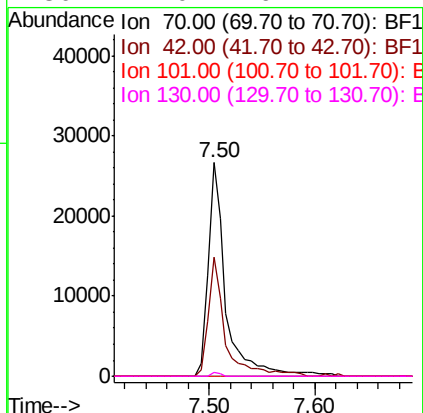
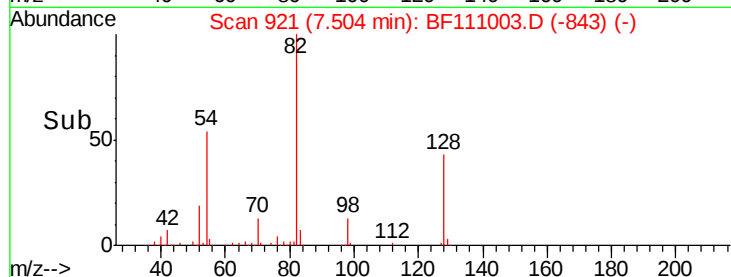
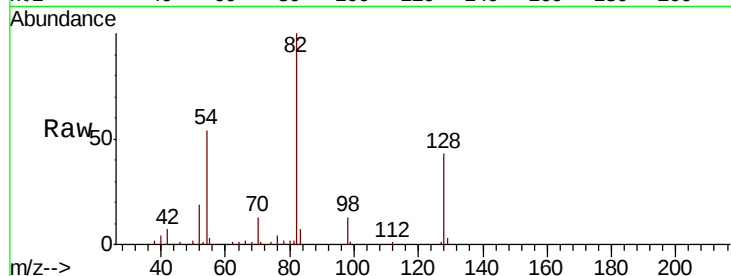




#19
n-Nitroso-di-n-propylamine
Concen: 11.952 ng
RT: 7.50 min Scan# 921
Delta R.T. 0.16 min
Lab File: BF111003.D
Acq: 27 Nov 2018 12:15

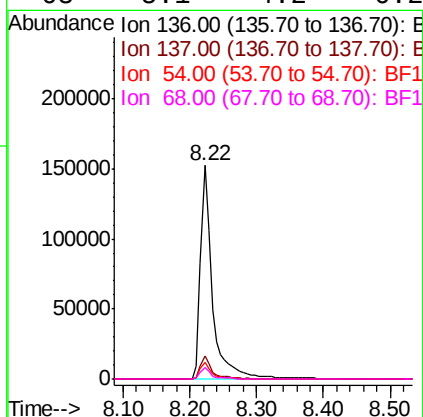
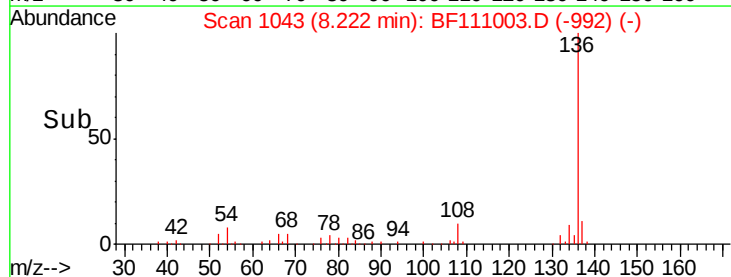
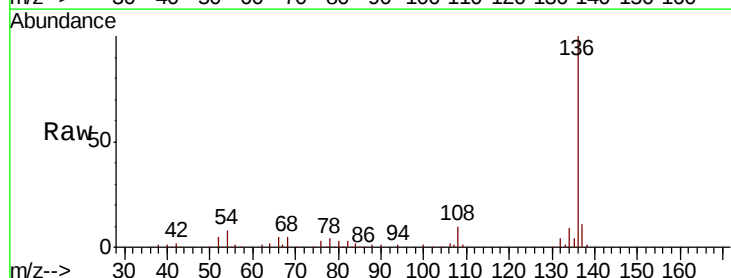
Instrument :
BNA_F
ClientSampleId :

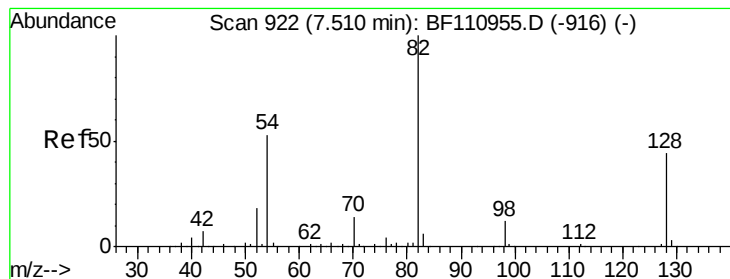
Tot Ion: 70 Resp: 31133
Ion Ratio Lower Upper
70 100
42 55.9 47.4 71.2
101 0.0 7.3 10.9#
130 2.0 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BF111003.D
Acq: 27 Nov 2018 12:15

Tgt Ion: 136 Resp: 184287
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.7 5.4 8.2
68 5.1 4.2 6.2





#23

Nitrobenzene-d5

Concen: 75.654 ng

RT: 7.50 min Scan# 921

Delta R.T. -0.01 min

Lab File: BF111003.D

Acq: 27 Nov 2018 12:15

Instrument :

BNA_F

ClientSampled :

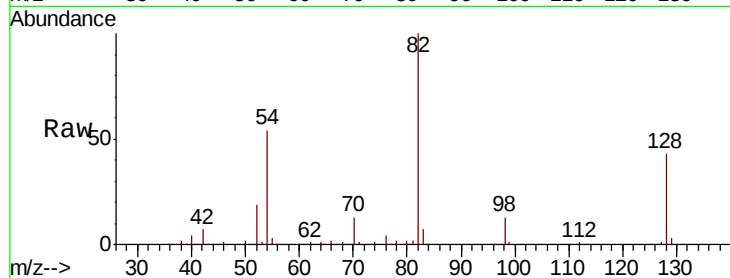
Tot Ion: 82 Resp: 243612

Ion Ratio Lower Upper

82 100

128 43.3 34.2 51.2

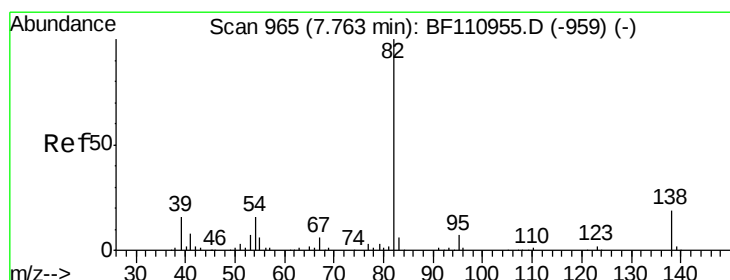
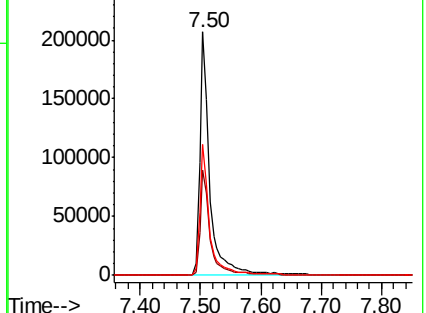
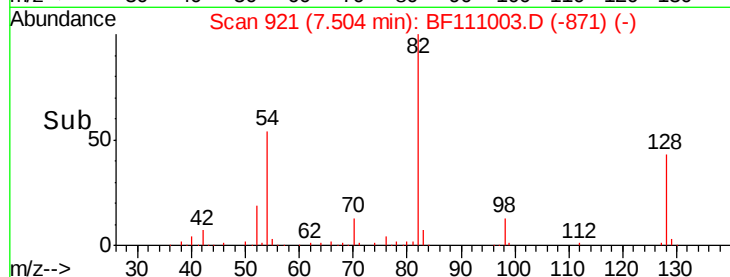
54 53.7 38.6 58.0



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 46.121 ng

RT: 7.50 min Scan# 921

Delta R.T. -0.26 min

Lab File: BF111003.D

Acq: 27 Nov 2018 12:15

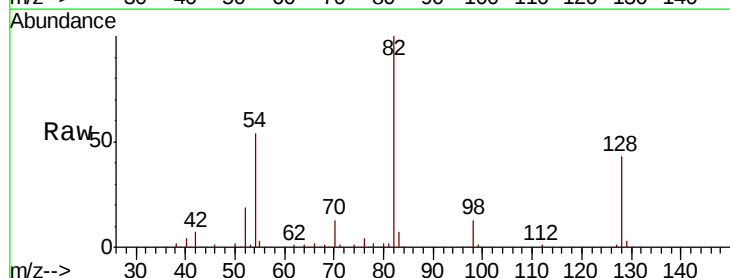
Tgt Ion: 82 Resp: 243612

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

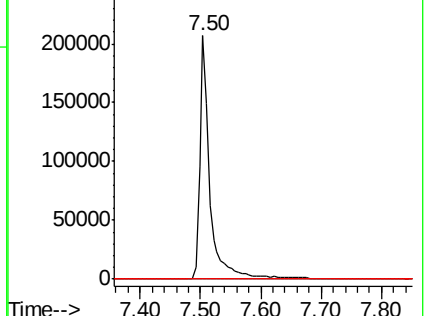
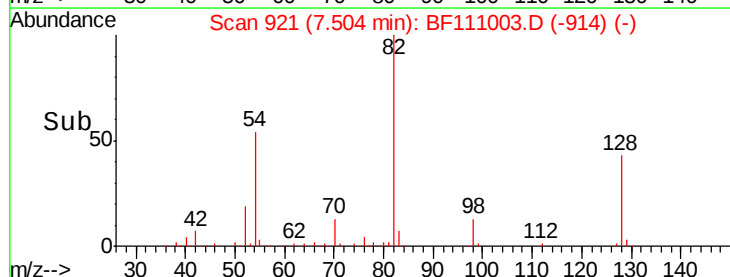
138 0.0 13.2 19.8#

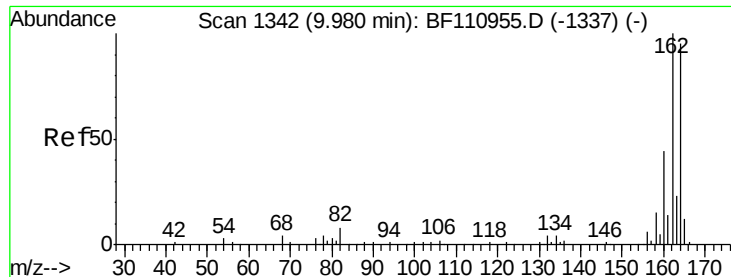


Abundance Ion 82.00 (81.70 to 82.70): BF1

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: 9.98 min Scan# 1342

Delta R.T. 0.00 min

Lab File: BF111003.D

Acq: 27 Nov 2018 12:15

Instrument :

BNA_F

ClientSampled :

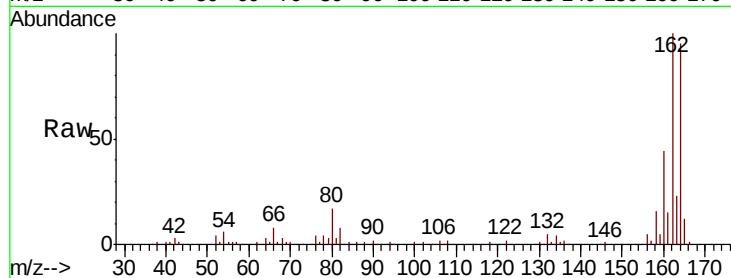
Tot Ion:164 Resp: 69701

Ion Ratio Lower Upper

164 100

162 105.1 83.0 124.6

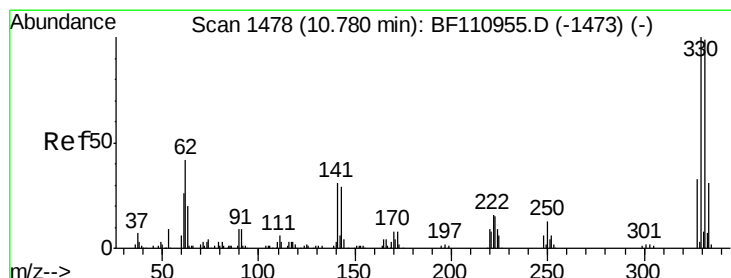
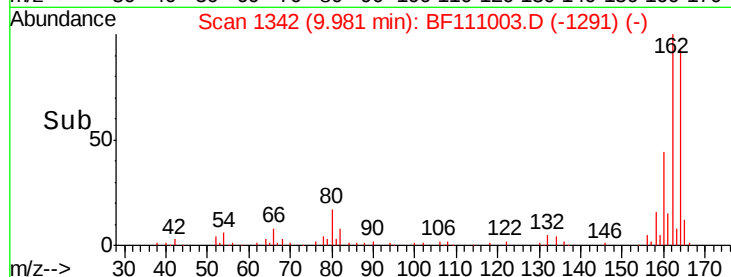
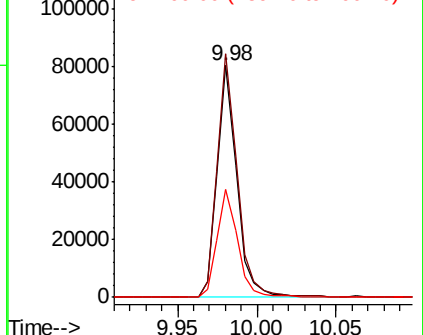
160 46.5 37.0 55.6



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: 93.510 ng

RT: 10.78 min Scan# 1478

Delta R.T. 0.00 min

Lab File: BF111003.D

Acq: 27 Nov 2018 12:15

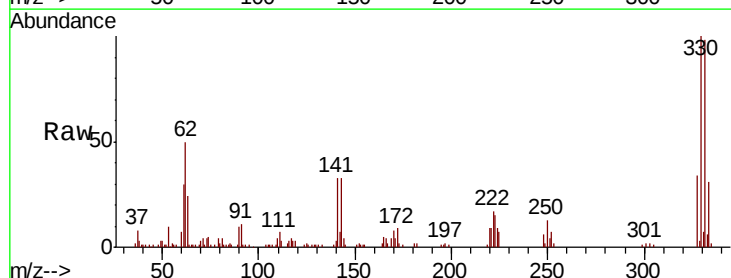
Tgt Ion:330 Resp: 64730

Ion Ratio Lower Upper

330 100

332 96.6 77.1 115.7

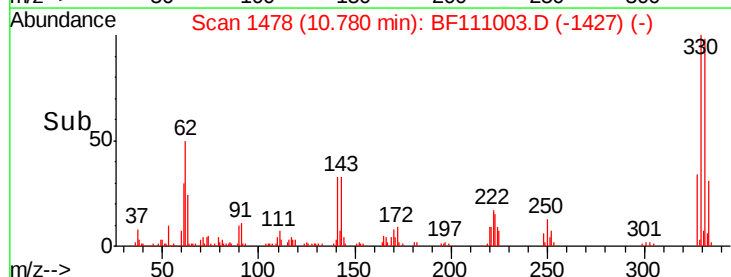
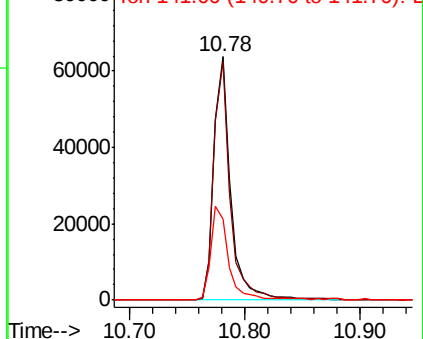
141 39.6 27.0 40.4



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

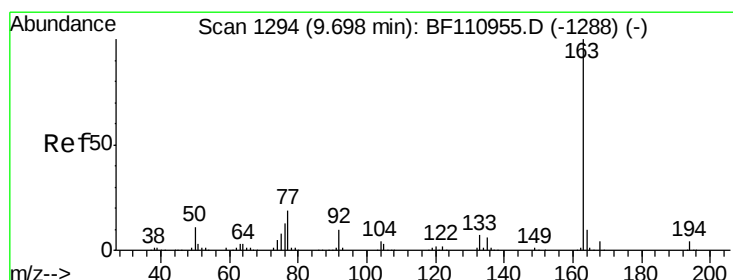
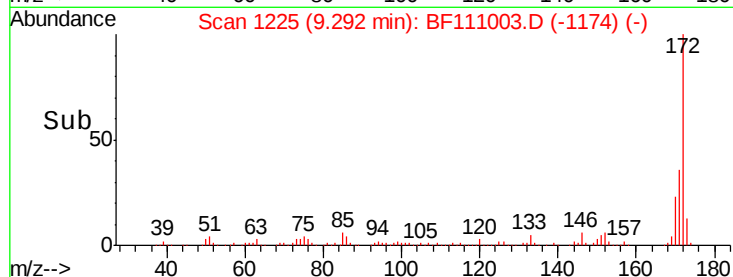
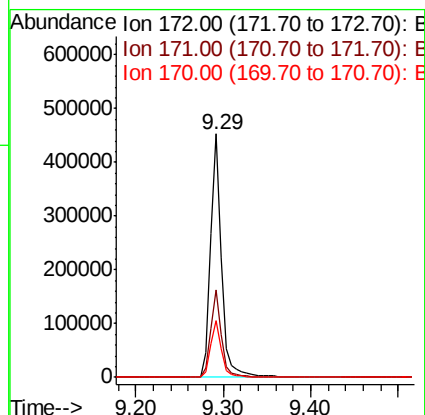
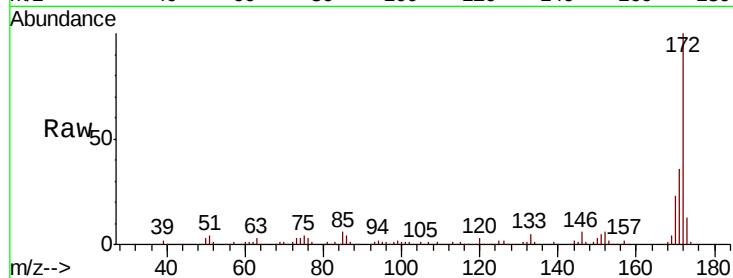




#45
2-Fluorobiphenyl
Concen: 83.012 ng
RT: 9.29 min Scan# 1225
Delta R.T. 0.00 min
Lab File: BF111003.D
Acq: 27 Nov 2018 12:15

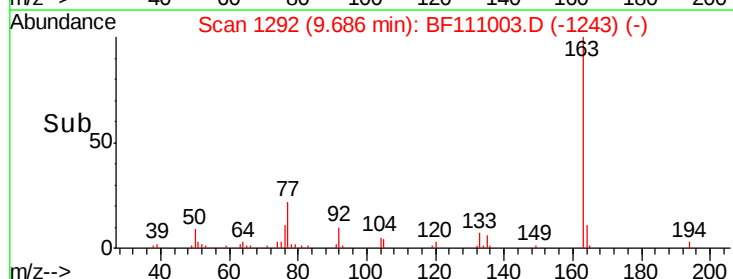
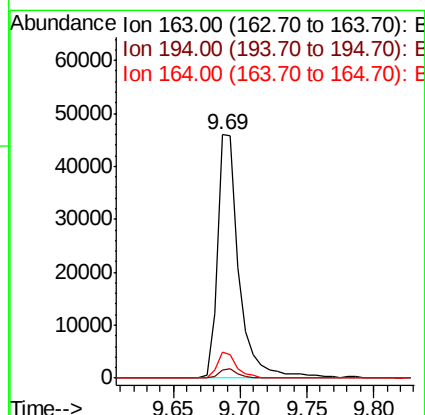
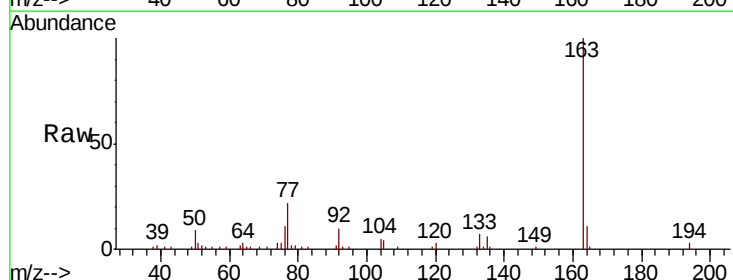
Instrument :
BNA_F
ClientSampleId :

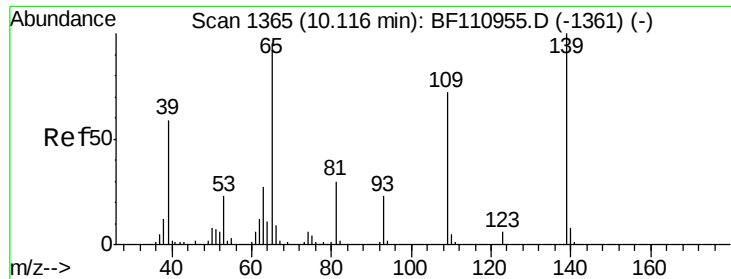
Tot Ion:172 Resp: 399375
Ion Ratio Lower Upper
172 100
171 35.8 28.6 43.0
170 23.3 19.7 29.5



#50
Dimethylphthalate
Concen: 10.242 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF111003.D
Acq: 27 Nov 2018 12:15

Tgt Ion:163 Resp: 52357
Ion Ratio Lower Upper
163 100
194 3.5 3.2 4.8
164 10.6 8.1 12.1

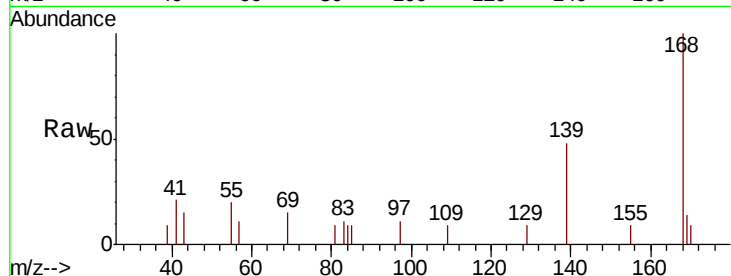




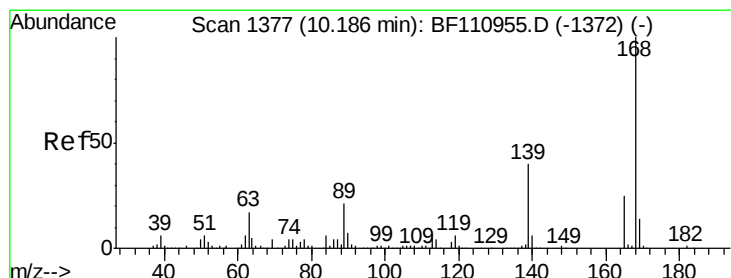
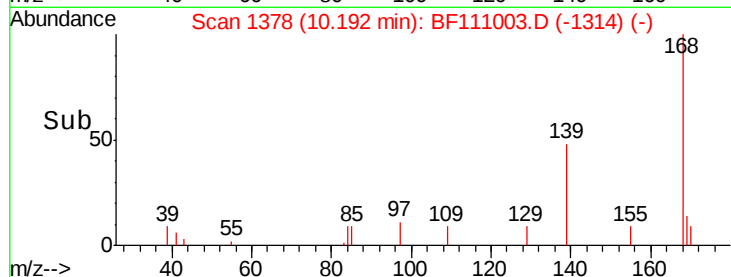
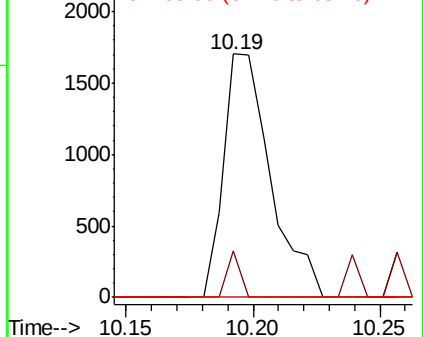
#56
4-Nitrophenol
Concen: 7.069 ng
RT: 10.19 min Scan# 1378
Delta R.T. 0.08 min
Lab File: BF111003.D
Acq: 27 Nov 2018 12:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 2205
Ion Ratio Lower Upper
139 100
109 18.9 55.8 95.8#
65 0.0 77.9 117.9#

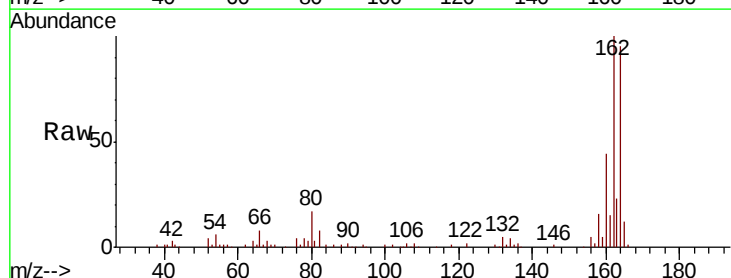


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

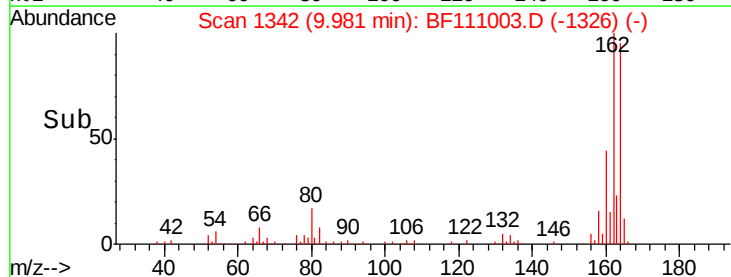
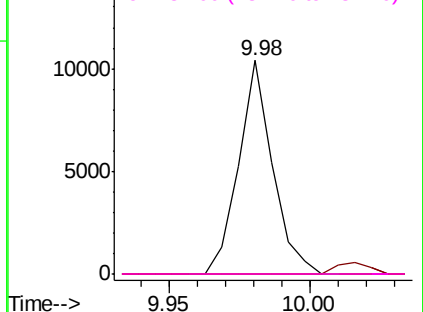


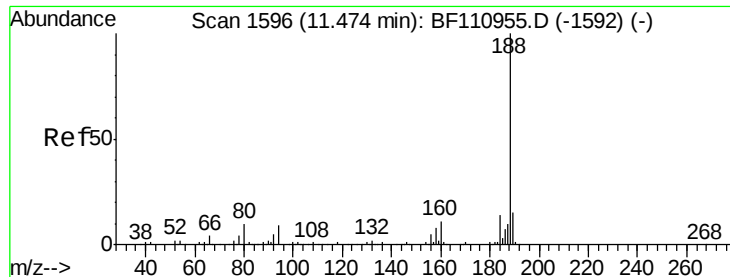
#57
2,4-Dinitrotoluene
Concen: 5.865 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.21 min
Lab File: BF111003.D
Acq: 27 Nov 2018 12:15

Tgt Ion:165 Resp: 8659
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

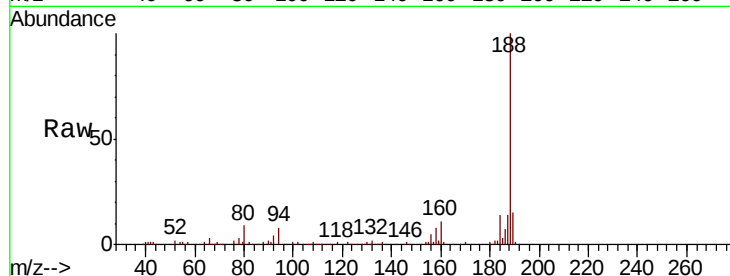




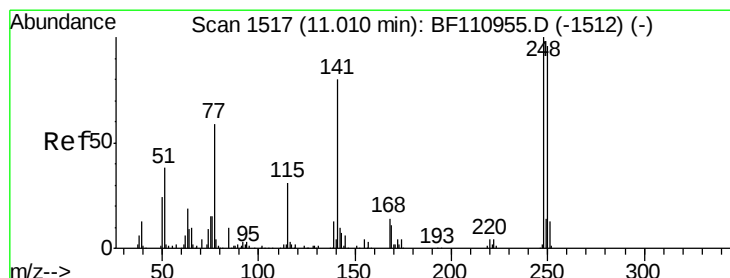
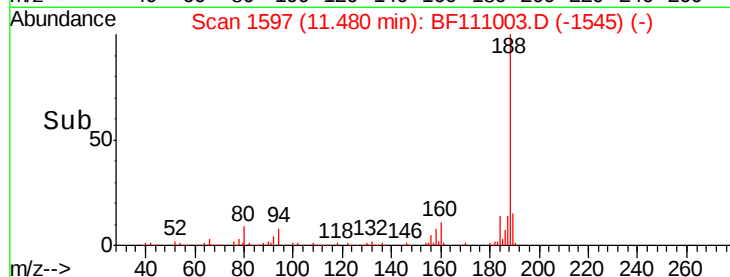
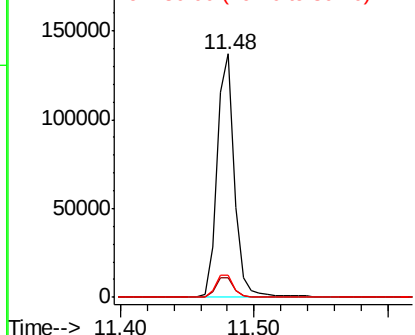
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1597
Delta R.T. 0.01 min
Lab File: BF111003.D
Acq: 27 Nov 2018 12:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 126123
Ion Ratio Lower Upper
188 100
94 8.1 7.2 10.8
80 9.0 7.9 11.9

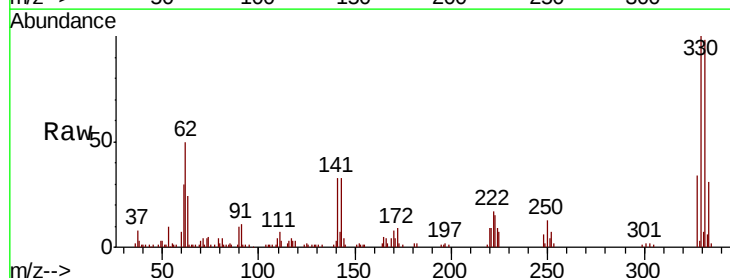


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

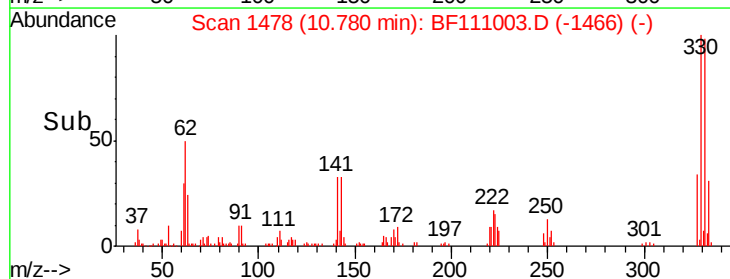
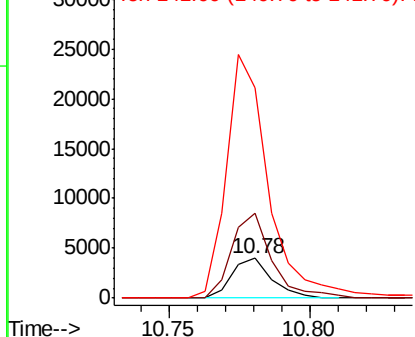


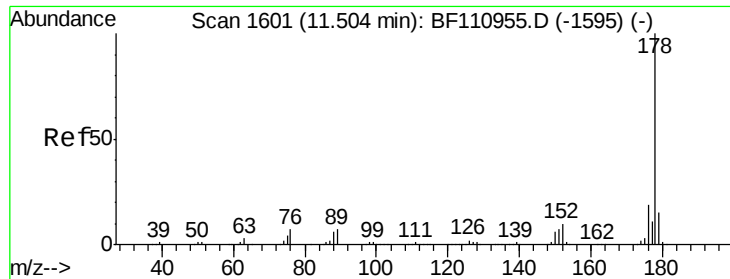
#67
4-Bromophenyl-phenylether
Concen: 2.891 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.23 min
Lab File: BF111003.D
Acq: 27 Nov 2018 12:15

Tgt Ion:248 Resp: 3971
Ion Ratio Lower Upper
248 100
250 211.3 79.4 119.2#
141 528.1 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

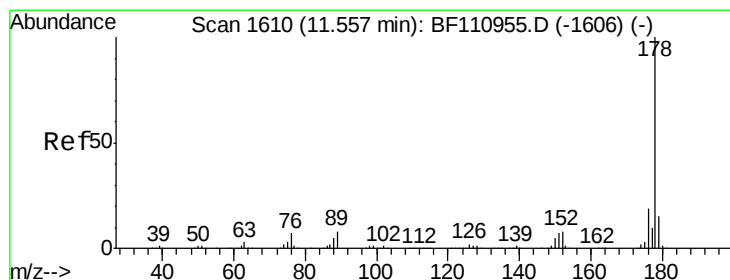
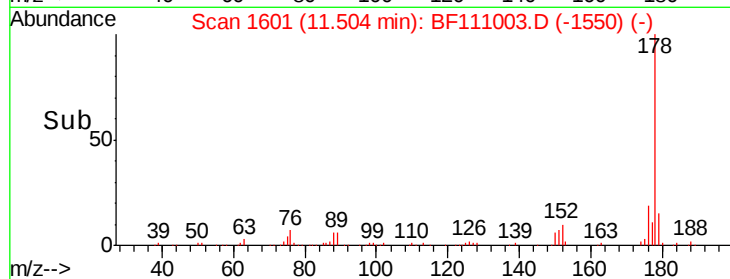
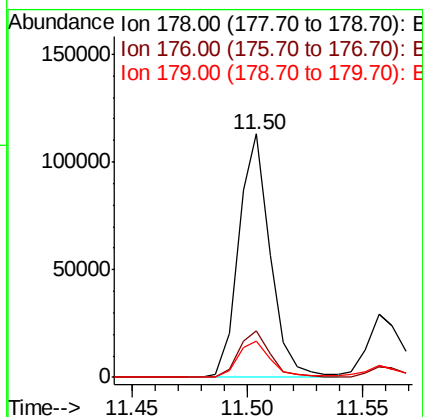
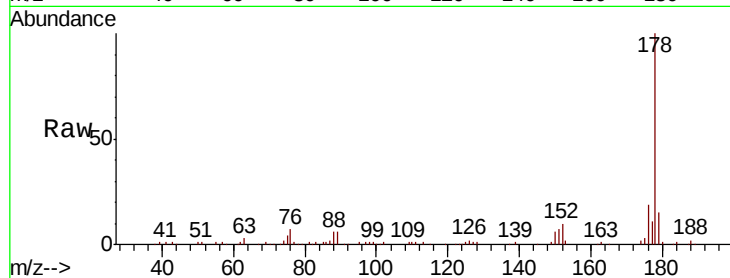




#71
Phenanthrene
Concen: 16.080 ng
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: BF111003.D
Acq: 27 Nov 2018 12:15

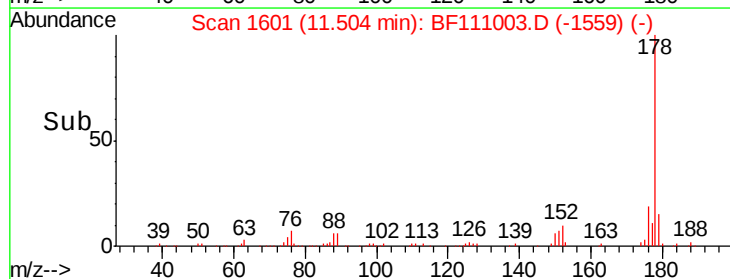
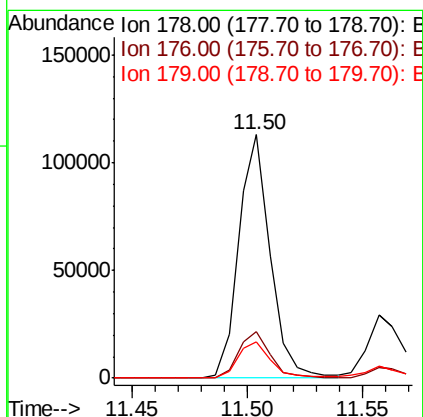
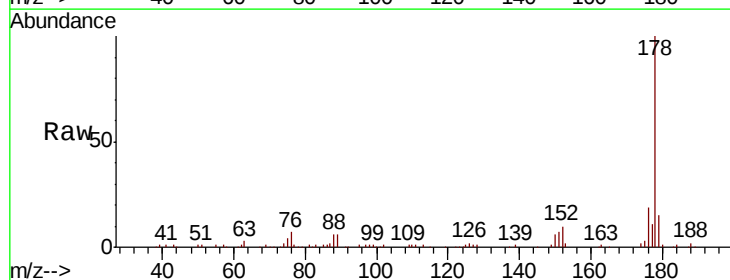
Instrument :
BNA_F
ClientSampleId :

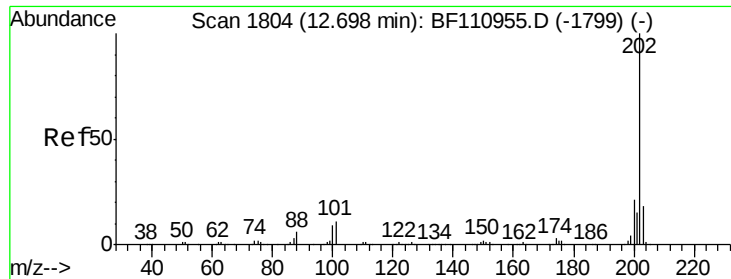
Tot Ion:178 Resp: 107414
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 14.9 12.5 18.7



#72
Anthracene
Concen: 15.790 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.05 min
Lab File: BF111003.D
Acq: 27 Nov 2018 12:15

Tgt Ion:178 Resp: 107414
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 14.9 12.6 18.8

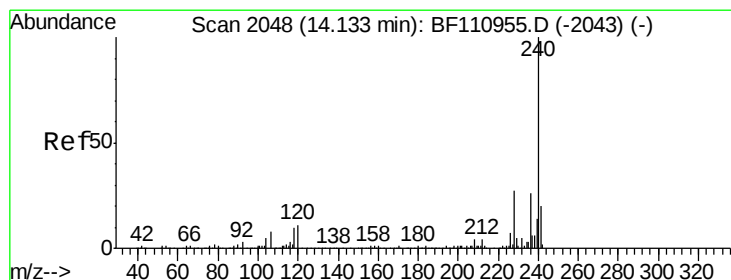
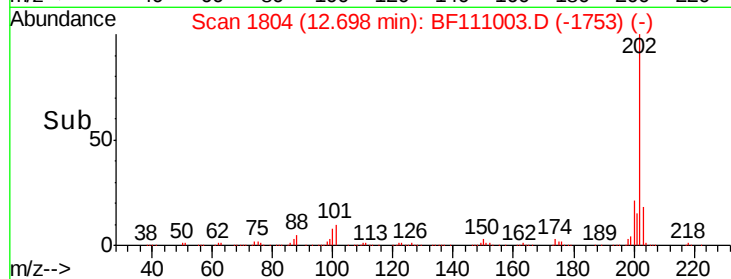
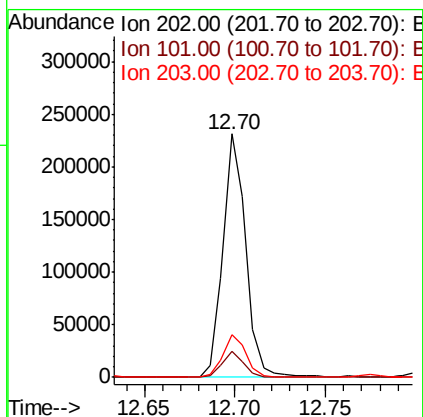
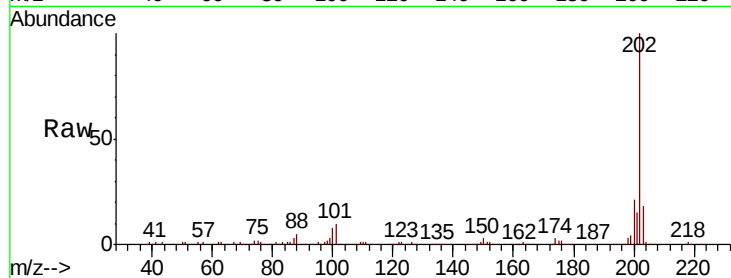




#75
 Fluoranthene
 Concen: 29.678 ng
 RT: 12.70 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: BF111003.D
 Acq: 27 Nov 2018 12:15

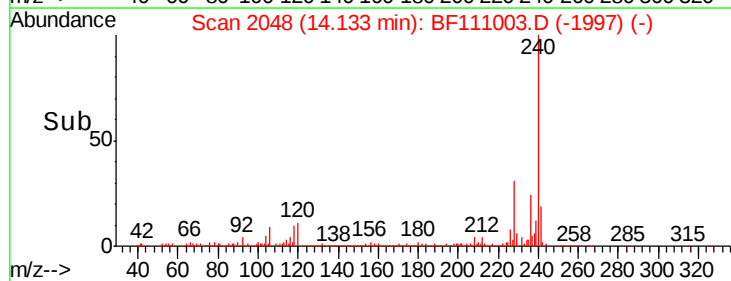
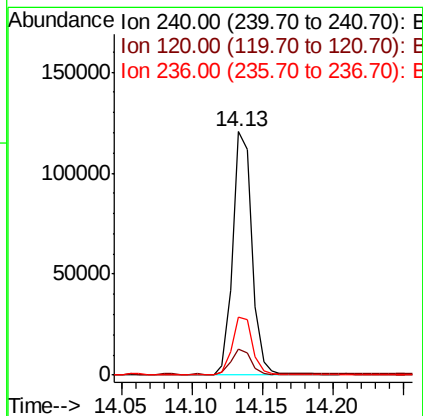
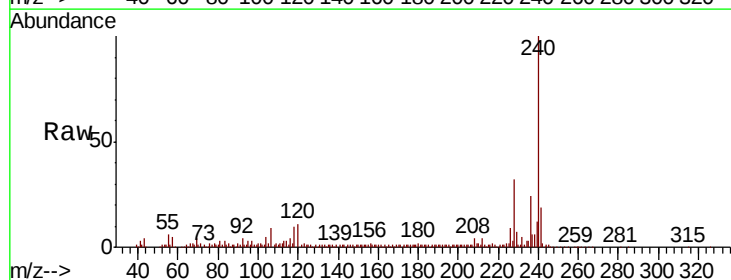
Instrument :
 BNA_F
 ClientSampleId :

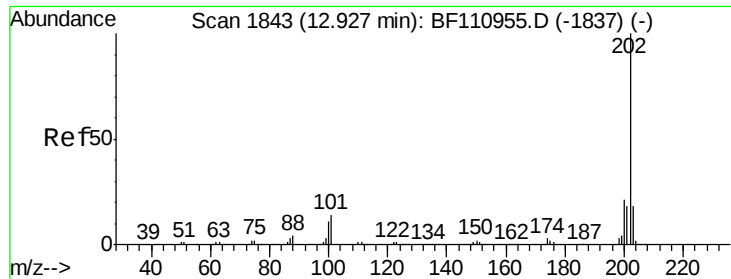
Tot Ion:202 Resp: 203752
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 31.4
 203 17.6 0.0 37.7



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.13 min Scan# 2048
 Delta R.T. 0.00 min
 Lab File: BF111003.D
 Acq: 27 Nov 2018 12:15

Tgt Ion:240 Resp: 115454
 Ion Ratio Lower Upper
 240 100
 120 10.8 8.3 12.5
 236 23.6 21.2 31.8

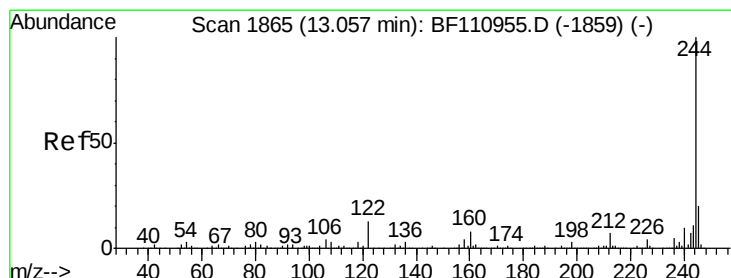
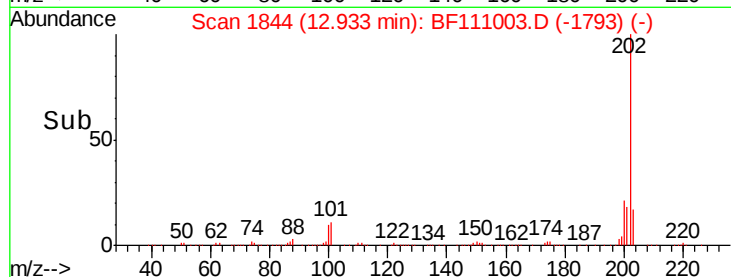
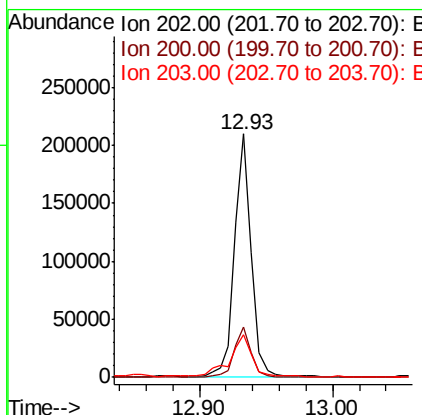
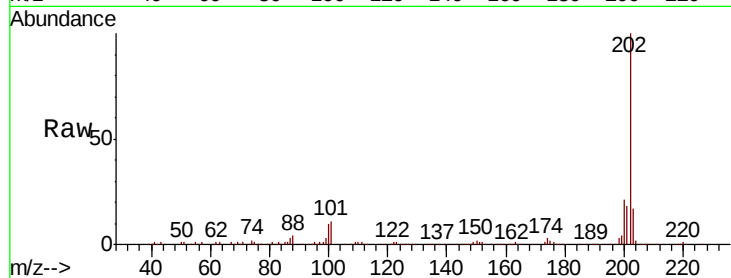




#78
Pvrene
Concen: 21.965 ng
RT: 12.93 min Scan# 1844
Delta R.T. 0.00 min
Lab File: BF111003.D
Acq: 27 Nov 2018 12:15

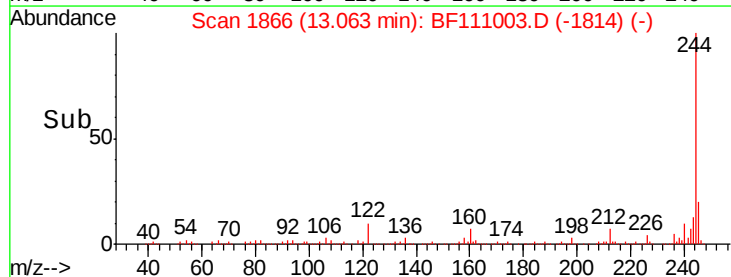
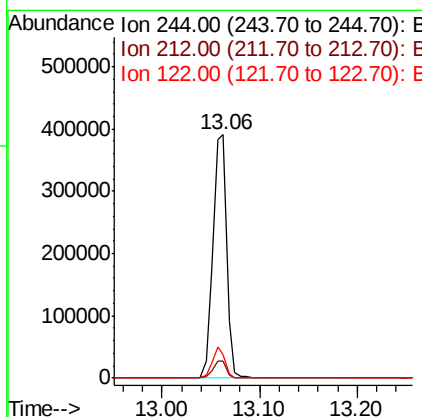
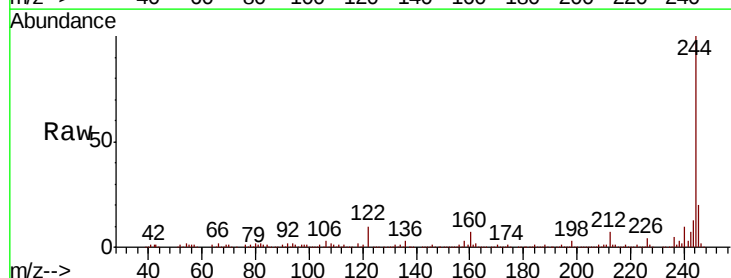
Instrument :
BNA_F
ClientSampleId :

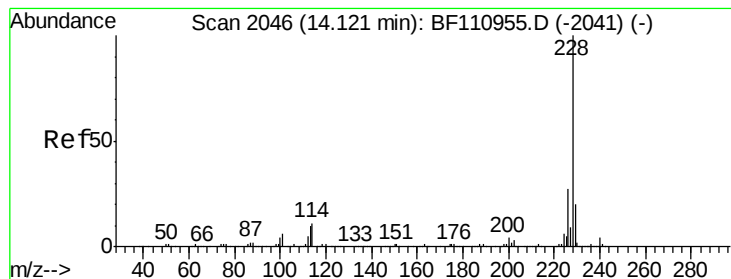
Tot Ion:202 Resp: 185219
Ion Ratio Lower Upper
202 100
200 20.9 17.8 26.6
203 17.4 14.2 21.4



#79
Terphenyl-d14
Concen: 64.403 ng
RT: 13.06 min Scan# 1866
Delta R.T. 0.01 min
Lab File: BF111003.D
Acq: 27 Nov 2018 12:15

Tgt Ion:244 Resp: 381971
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.8
122 9.6 8.7 13.1





#81

Benzo(a)anthracene

Concen: 13.058 ng

RT: 14.13 min Scan# 2047

Delta R.T. 0.01 min

Lab File: BF111003.D

Acq: 27 Nov 2018 12:15

Instrument :

BNA_F

ClientSampleId :

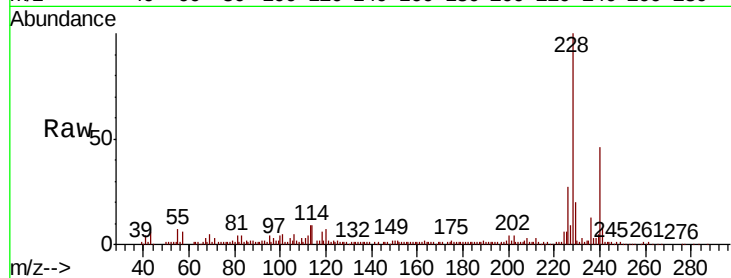
Tot Ion:228 Resp: 89009

Ion Ratio Lower Upper

228 100

226 27.3 22.1 33.1

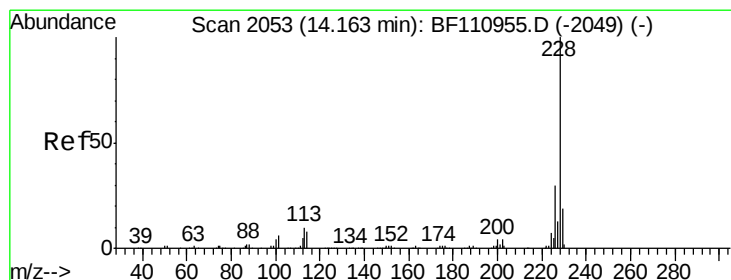
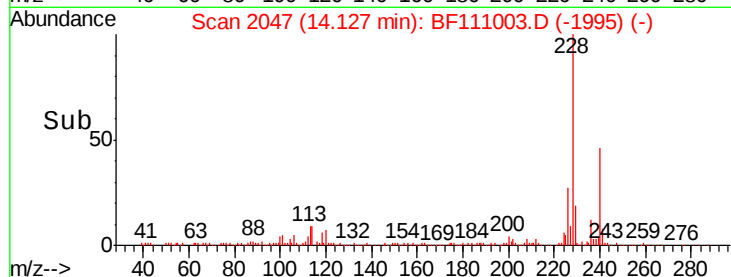
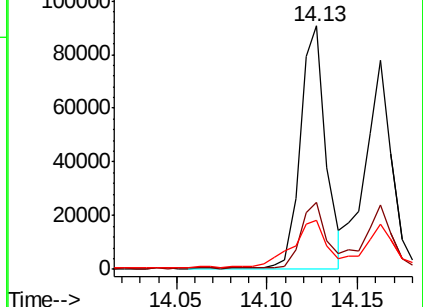
229 20.1 15.6 23.4



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: 10.744 ng

RT: 14.16 min Scan# 2053

Delta R.T. 0.00 min

Lab File: BF111003.D

Acq: 27 Nov 2018 12:15

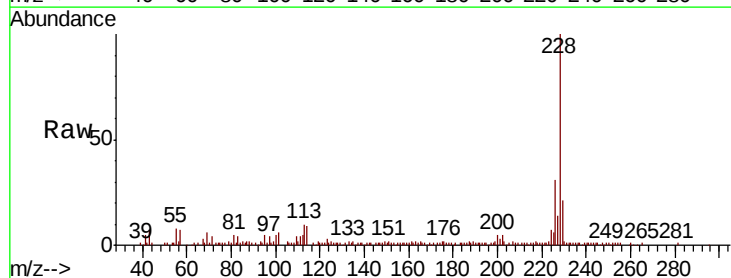
Tgt Ion:228 Resp: 72092

Ion Ratio Lower Upper

228 100

226 30.7 24.7 37.1

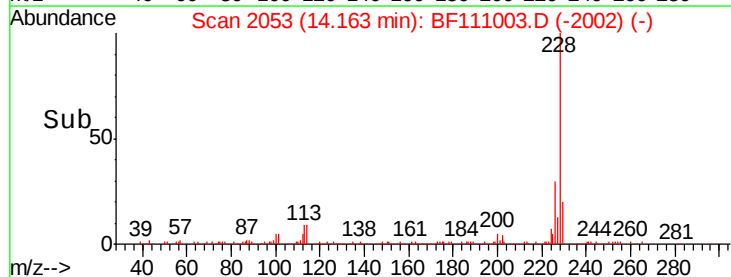
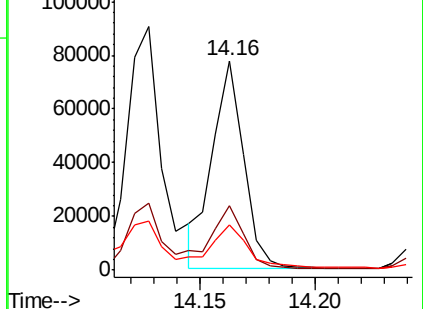
229 21.4 15.9 23.9

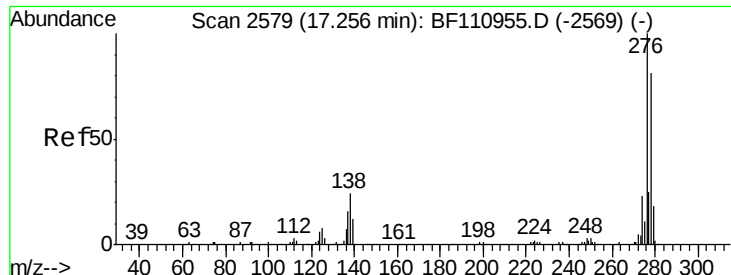


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

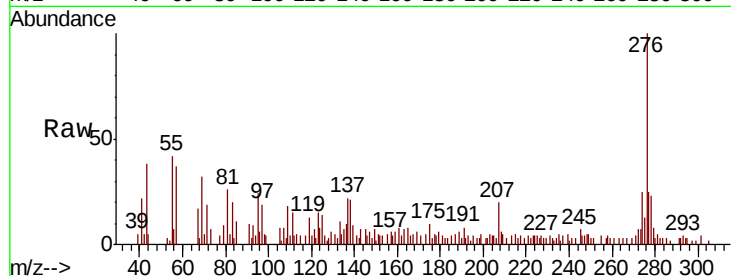




#86
Indeno(1,2,3-cd)pyrene
Concen: 6.060 ng
RT: 17.27 min Scan# 2582
Delta R.T. 0.02 min
Lab File: BF111003.D
Acq: 27 Nov 2018 12:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.9	18.5	27.7
277	25.6	20.0	30.0

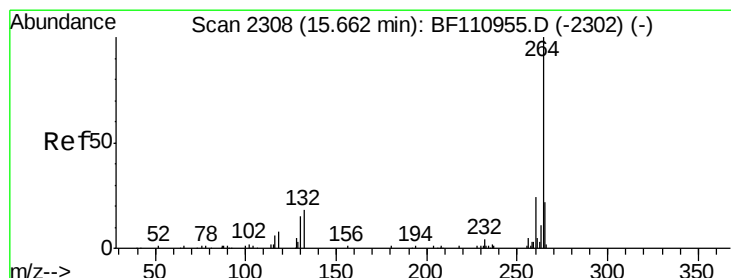
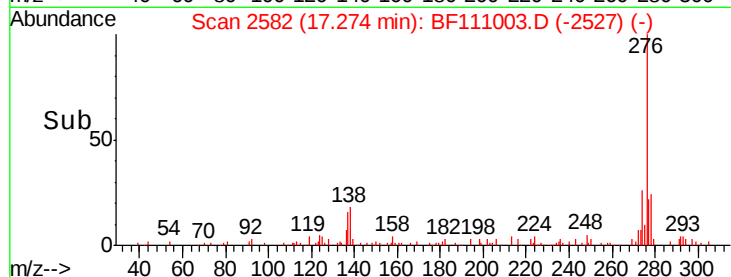
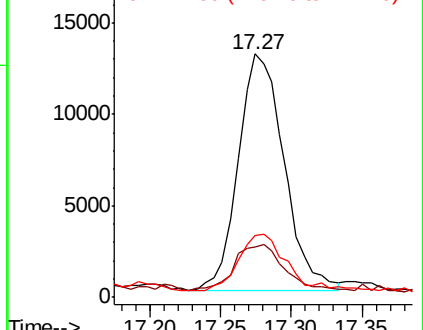


Abundance

Ion 276.00 (275.70 to 276.70): E

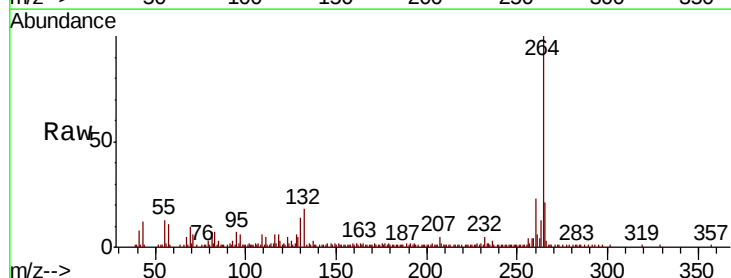
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2310
Delta R.T. 0.01 min
Lab File: BF111003.D
Acq: 27 Nov 2018 12:15

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.7	28.1
265	21.5	16.7	25.1

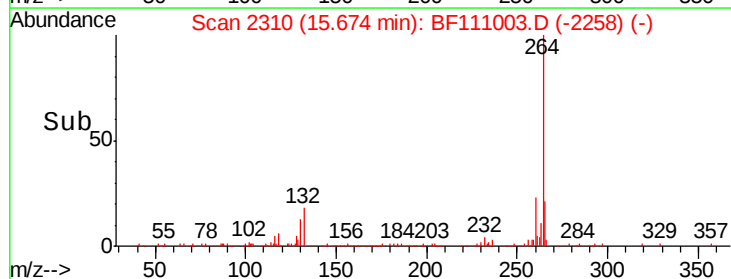
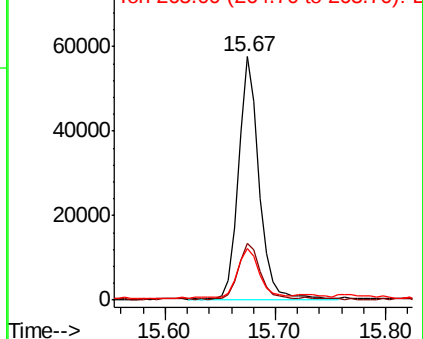


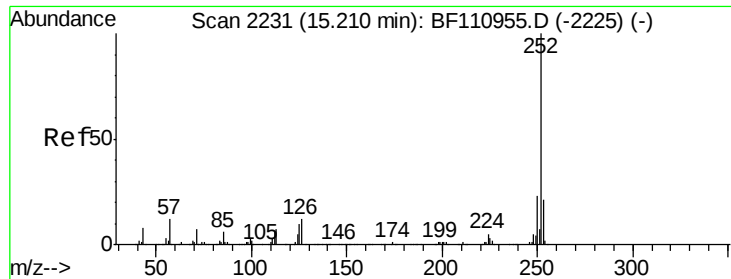
Abundance

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

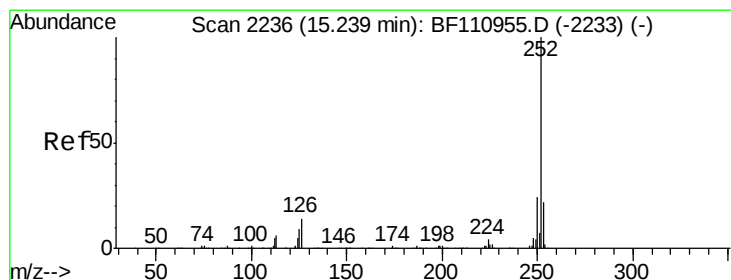
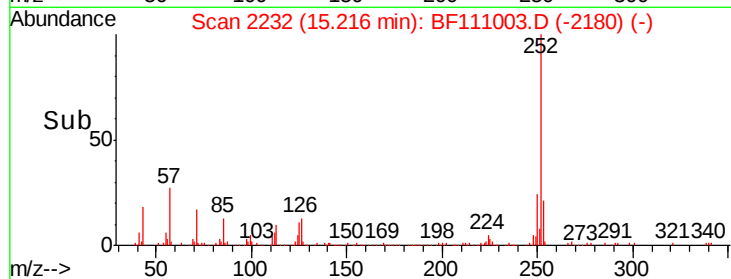
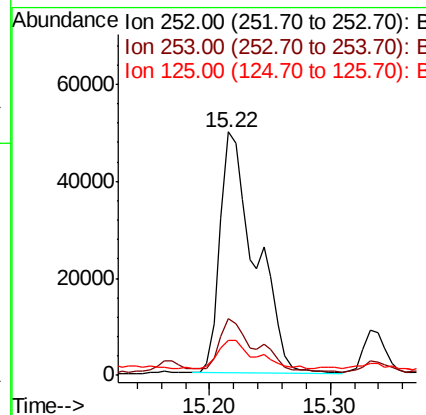
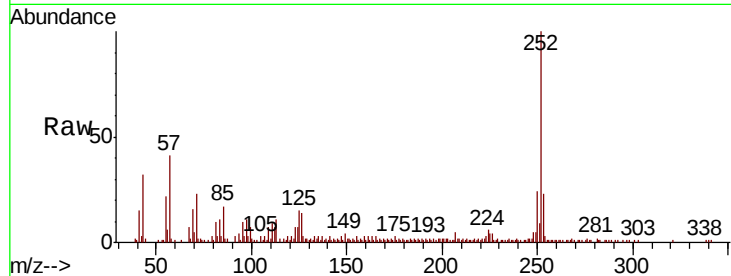




#88
Benzo(b)fluoranthene
Concen: 22.380 ng
RT: 15.22 min Scan# 2232
Delta R.T. 0.01 min
Lab File: BF111003.D
Acq: 27 Nov 2018 12:15

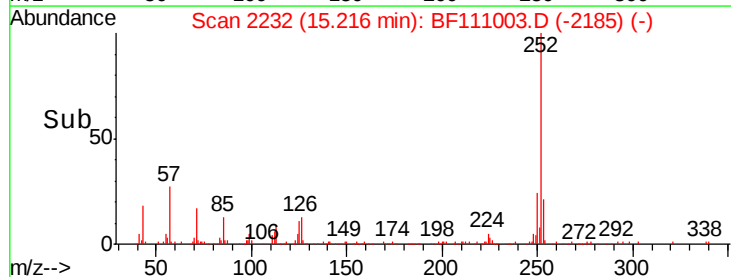
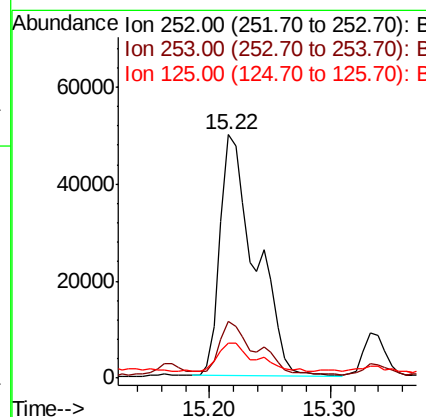
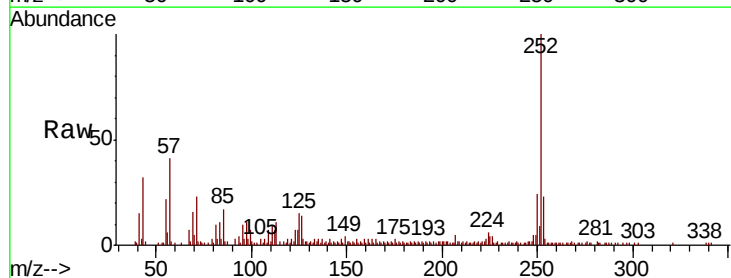
Instrument :
BNA_F
ClientSampleId :

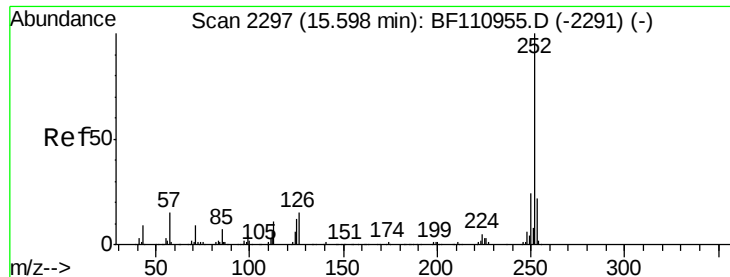
Tot Ion:252 Resp: 100537
Ion Ratio Lower Upper
252 100
253 23.3 17.2 25.8
125 14.5 8.2 12.4#



#89
Benzo(k)fluoranthene
Concen: 21.744 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.02 min
Lab File: BF111003.D
Acq: 27 Nov 2018 12:15

Tgt Ion:252 Resp: 100537
Ion Ratio Lower Upper
252 100
253 23.3 17.2 25.8
125 14.5 7.4 11.0#





#90

Benzo(a)pyrene

Concen: 12.190 ng

RT: 15.61 min Scan# 2299

Delta R.T. 0.01 min

Lab File: BF111003.D

Acq: 27 Nov 2018 12:15

Instrument :

BNA_F

ClientSampleId :

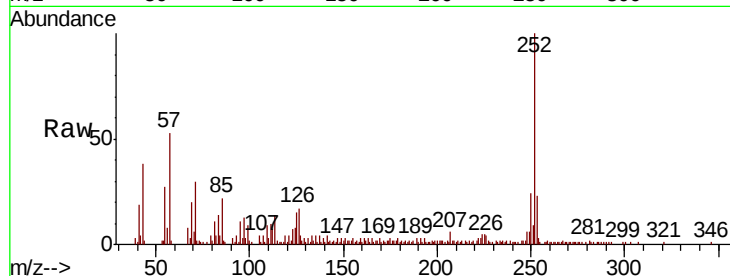
Tot Ion:252 Resp: 50971

Ion Ratio Lower Upper

252 100

253 23.0 18.2 27.4

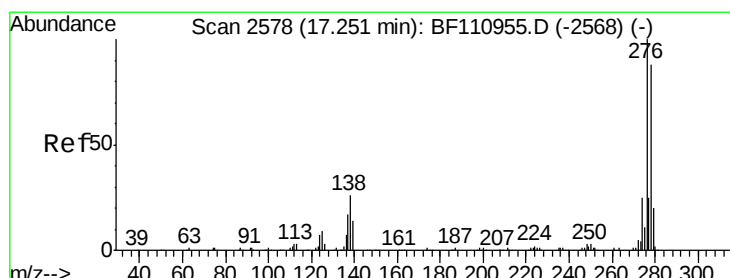
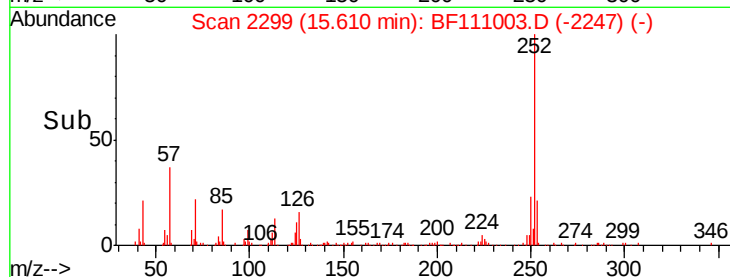
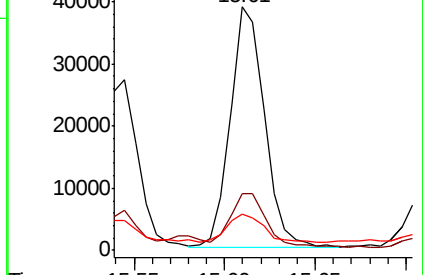
125 15.1 9.0 13.6#



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



#91

Dibenzo(a,h)anthracene

Concen: 2.020 ng

RT: 17.27 min Scan# 2582

Delta R.T. 0.02 min

Lab File: BF111003.D

Acq: 27 Nov 2018 12:15

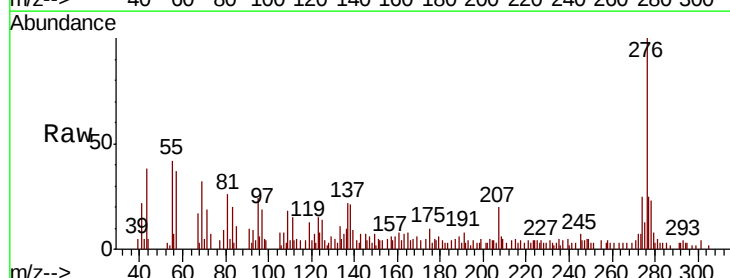
Tgt Ion:278 Resp: 6970

Ion Ratio Lower Upper

278 100

139 39.3 12.7 19.1#

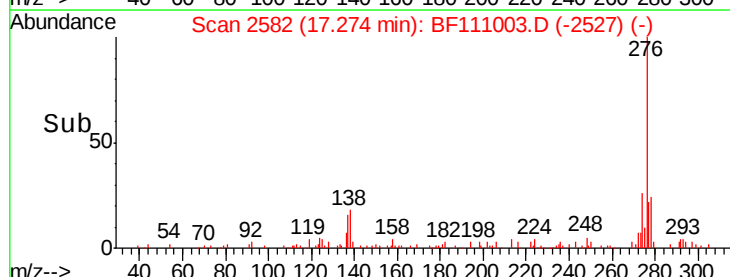
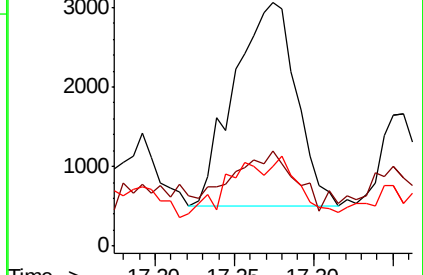
279 32.6 19.0 28.4#

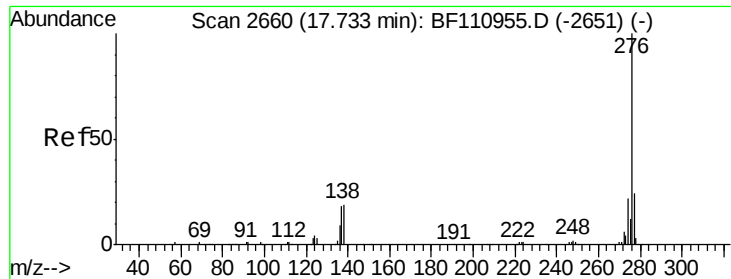


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 8.942 ng
 RT: 17.77 min Scan# 2666
 Delta R.T. 0.03 min
 Lab File: BF111003.D
 Acq: 27 Nov 2018 12:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.3	18.8	28.2
138	23.2	16.0	24.0

