

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112718\
 Data File : BF111004.D
 Acq On : 27 Nov 2018 12:43
 Operator : JU/SJ
 Sample : J6028-08RE
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 27 13:57:11 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	45475	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	162945	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	65035	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	126412	20.00	ng	0.00
76) Chrysene-d12	14.14	240	109178	20.00	ng	0.00
87) Perylene-d12	15.67	264	73458	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.56	112	289042	105.40	ng	0.01
7) Phenol-d6	6.57	99	342017	95.71	ng	0.00
23) Nitrobenzene-d5	7.50	82	210626	73.98	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	68709	106.38	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	335925	74.83	ng	0.00
79) Terphenyl-d14	13.06	244	346897	61.85	ng	0.00

Target Compounds

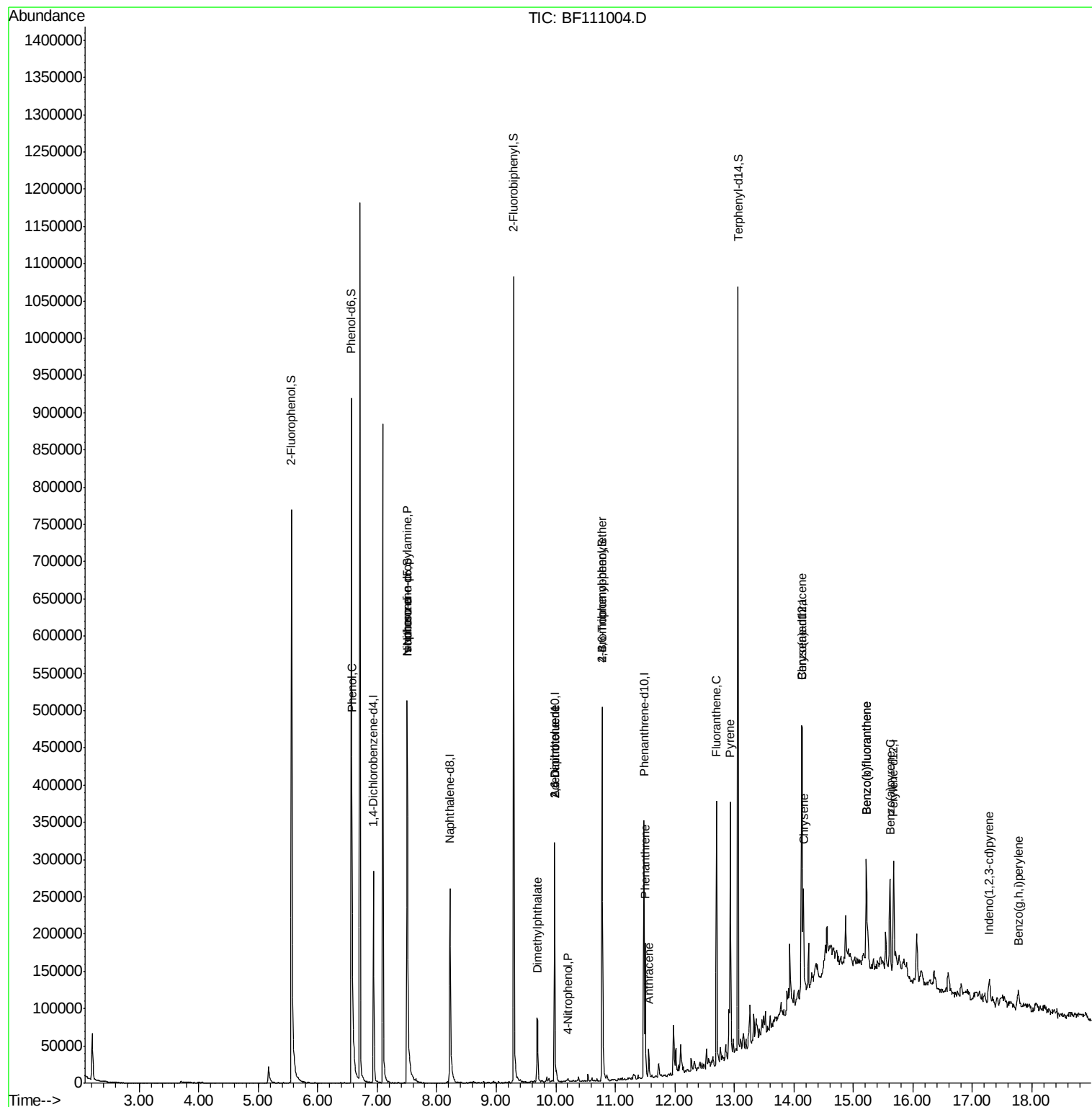
						Qvalue
9) Benzaldehyde	6.57	77	426	Below Cal	#	1
10) Phenol	6.58	94	17959	4.462 ng		87
19) n-Nitroso-di-n-propylamine	7.50	70	27356	11.752 ng	#	80
25) Isophorone	7.50	82	210626	45.098 ng	#	67
50) Dimethylphthalate	9.69	163	45430	9.525 ng		99
51) 2,6-Dinitrotoluene	9.98	165	8139	7.665 ng	#	21
56) 4-Nitrophenol	10.20	139	778	5.308 ng	#	6
57) 2,4-Dinitrotoluene	9.98	165	8139	5.908 ng	#	17
67) 4-Bromophenyl-phenylether	10.78	248	4068	2.955 ng	#	1
71) Phenanthrene	11.50	178	68885	10.289 ng		99
72) Anthracene	11.56	178	22894	3.358 ng		98
75) Fluoranthene	12.70	202	144582	21.011 ng		99
78) Pvrene	12.93	202	135013	16.932 ng		98
81) Benzo(a)anthracene	14.13	228	64519	10.010 ng		99
83) Chrysene	14.16	228	49899	7.864 ng		96
86) Indeno(1,2,3-cd)pyrene	17.28	276	20012	4.394 ng	#	85
88) Benzo(b)fluoranthene	15.22	252	66753	15.469 ng	#	94
89) Benzo(k)fluoranthene	15.22	252	66753	15.029 ng	#	94
90) Benzo(a)pvrene	15.62	252	32435	8.075 ng	#	96
92) Benzo(a,h,i)perylene	17.77	276	21189	6.631 ng	#	89

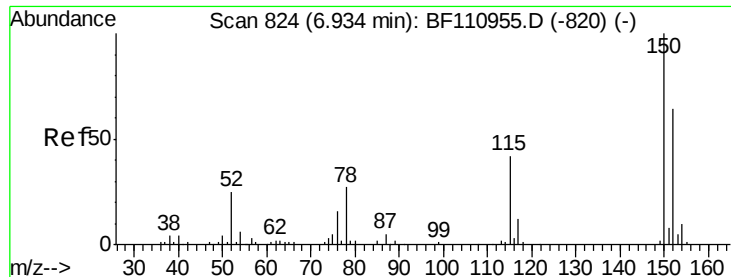
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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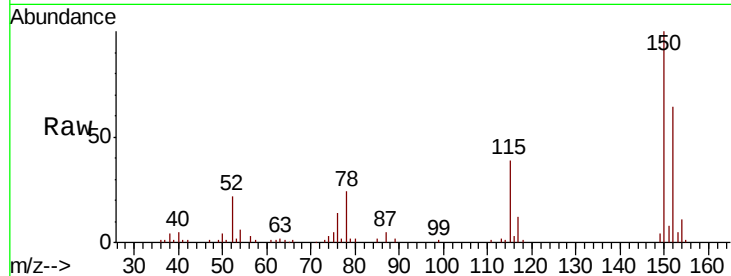


#1

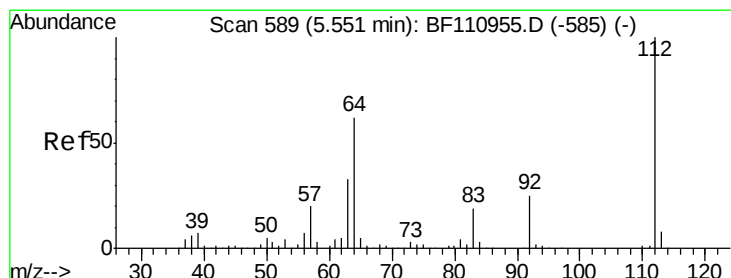
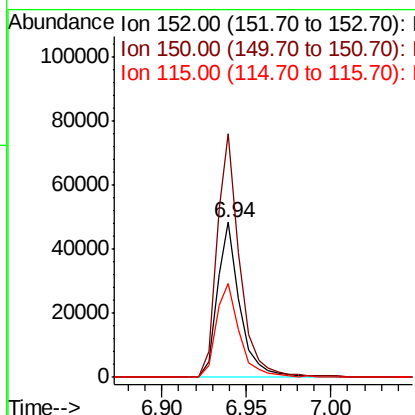
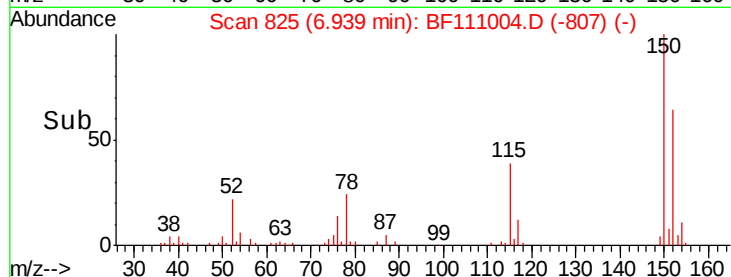
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. 0.01 min
Lab File: BF111004.D
Acq: 27 Nov 2018 12:43

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 45475
Ion Ratio Lower Upper
152 100
150 157.1 122.7 184.1
115 61.0 49.1 73.7



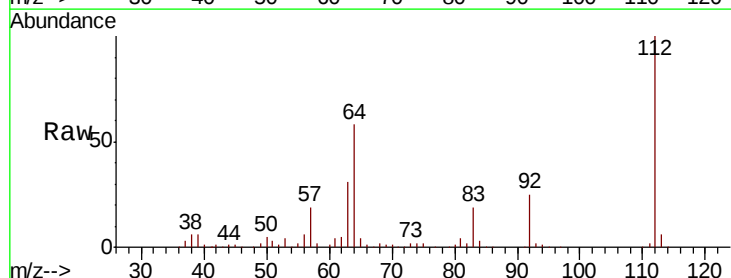
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



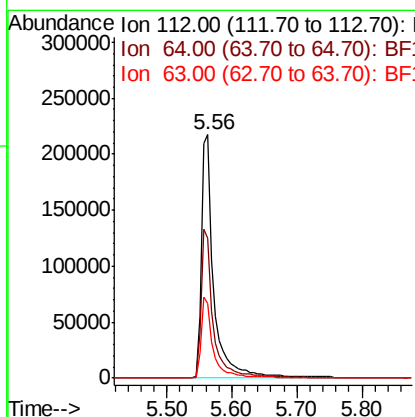
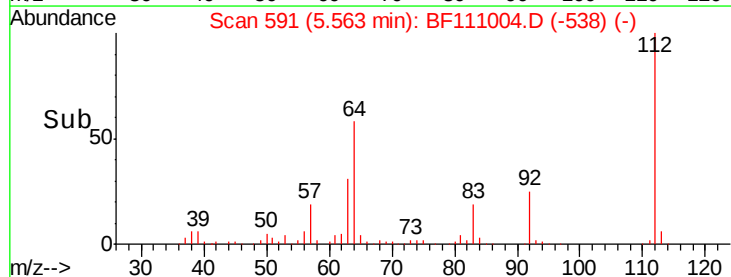
#5

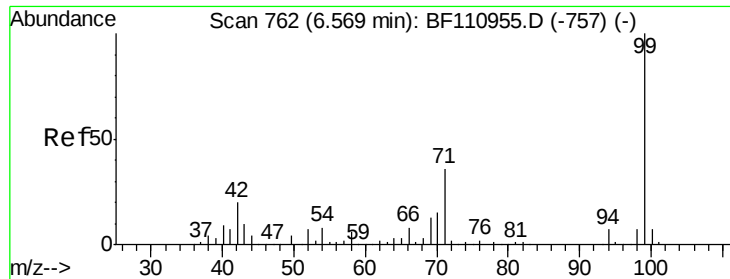
2-Fluorophenol
Concen: 105.404 ng
RT: 5.56 min Scan# 591
Delta R.T. 0.01 min
Lab File: BF111004.D
Acq: 27 Nov 2018 12:43

Tgt Ion:112 Resp: 289042
Ion Ratio Lower Upper
112 100
64 57.6 44.1 66.1
63 30.8 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: 95.707 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.00 min

Lab File: BF111004.D

Acq: 27 Nov 2018 12:43

Instrument :

BNA_F

ClientSampleId :

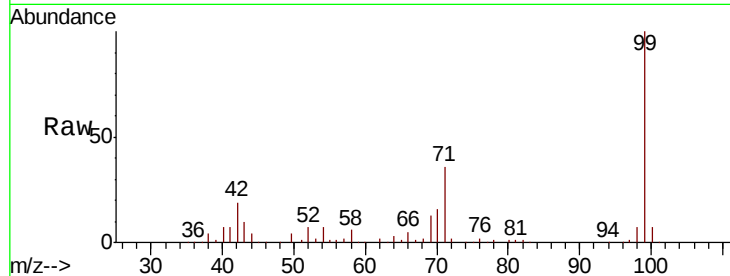
Tot Ion: 99 Resp: 342017

Ion Ratio Lower Upper

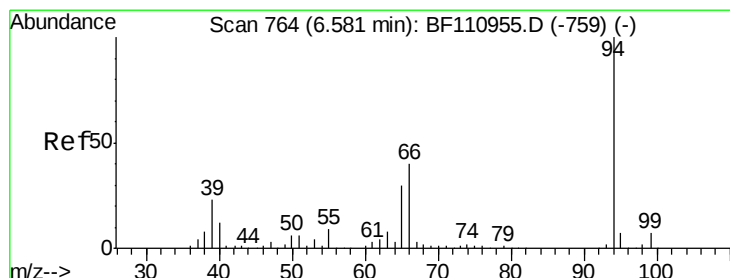
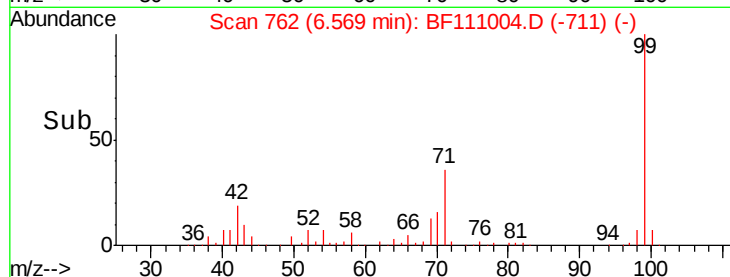
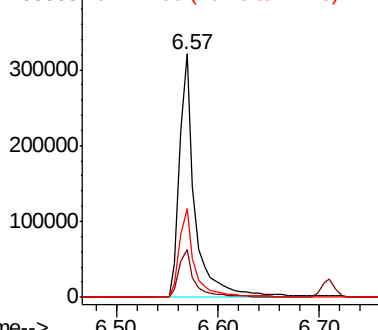
99 100

42 19.4 15.8 23.6

71 36.3 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: 4.462 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.00 min

Lab File: BF111004.D

Acq: 27 Nov 2018 12:43

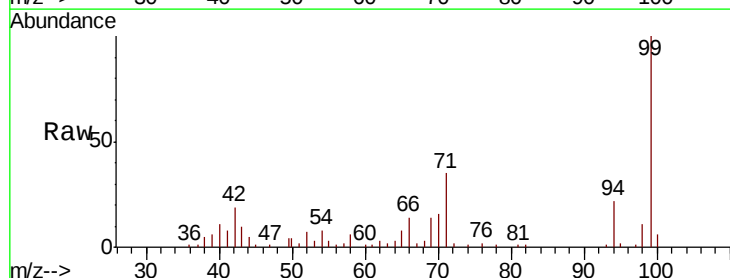
Tgt Ion: 94 Resp: 17959

Ion Ratio Lower Upper

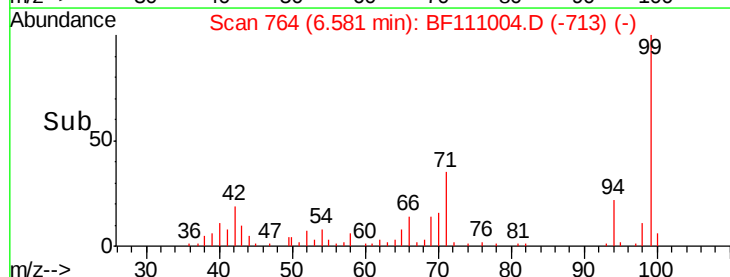
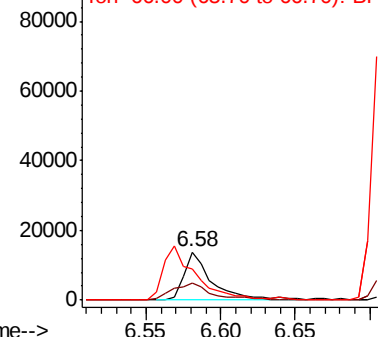
94 100

65 35.6 25.3 65.3

66 65.1 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

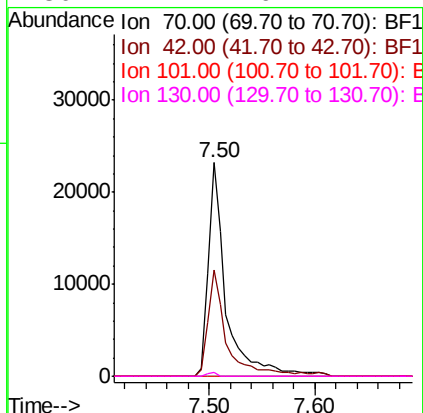
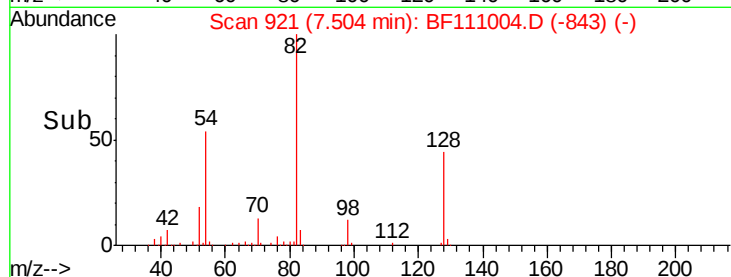
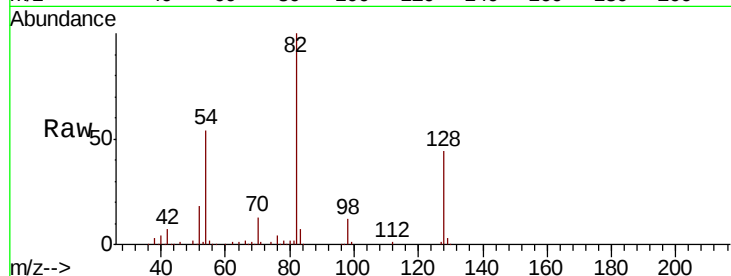




#19
n-Nitroso-di-n-propylamine
Concen: 11.752 ng
RT: 7.50 min Scan# 921
Delta R.T. 0.16 min
Lab File: BF111004.D
Acq: 27 Nov 2018 12:43

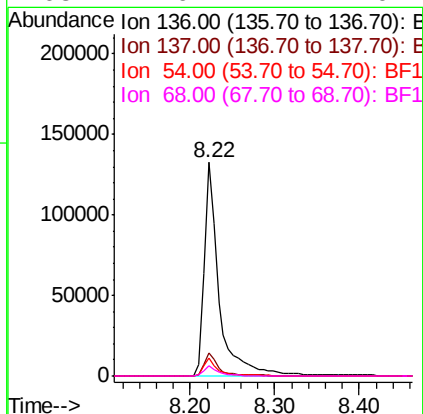
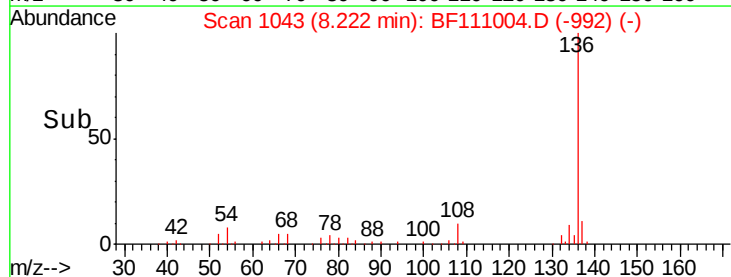
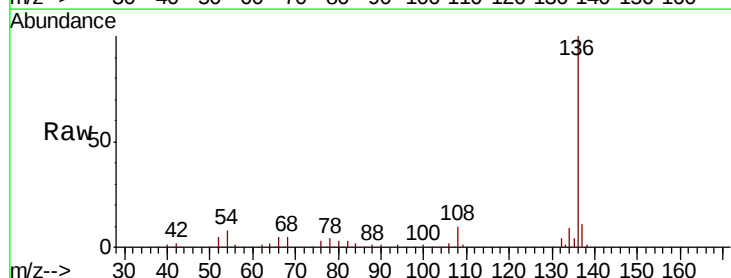
Instrument :
BNA_F
ClientSampleId :

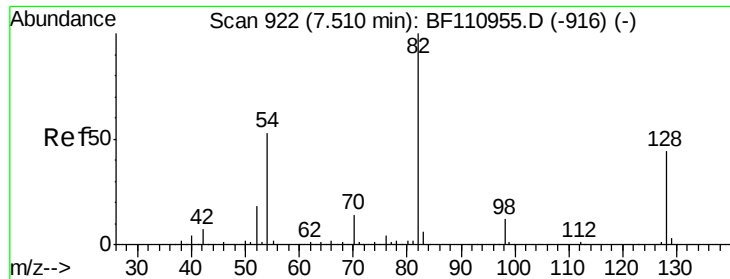
Tot Ion: 70 Resp: 27356
Ion Ratio Lower Upper
70 100
42 49.8 47.4 71.2
101 0.0 7.3 10.9#
130 1.7 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BF111004.D
Acq: 27 Nov 2018 12:43

Tgt Ion: 136 Resp: 162945
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 8.3 5.4 8.2#
68 4.6 4.2 6.2

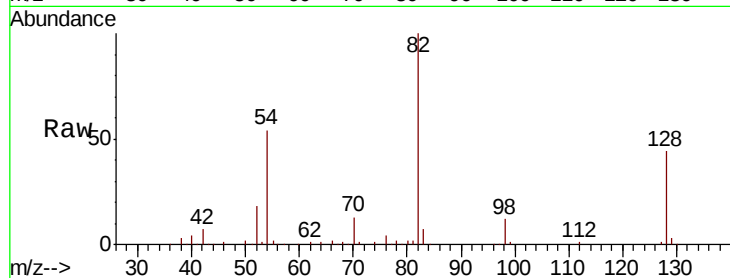




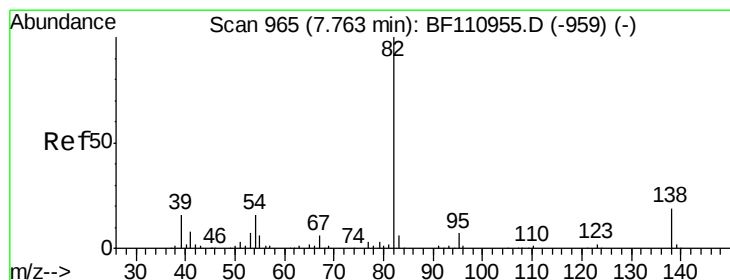
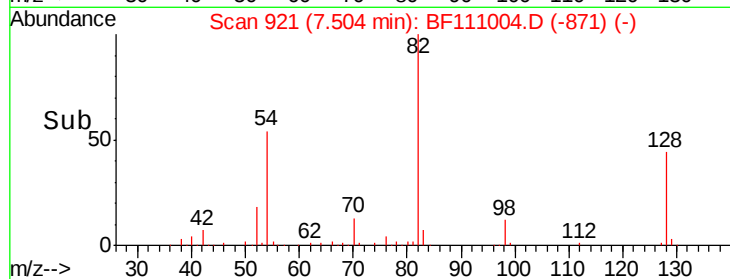
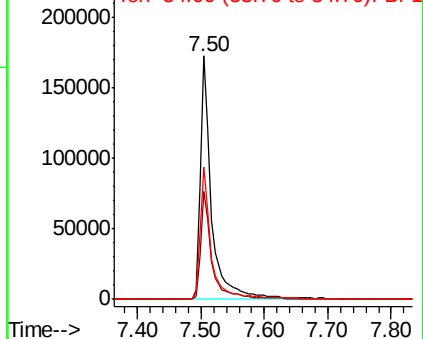
#23
Nitrobenzene-d5
Concen: 73.978 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF111004.D
Acq: 27 Nov 2018 12:43

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	210626
Ion Ratio	Lower	Upper	
82	100		
128	44.2	34.2	51.2
54	54.4	38.6	58.0

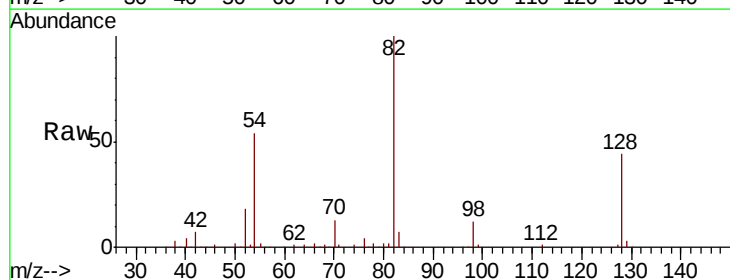


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

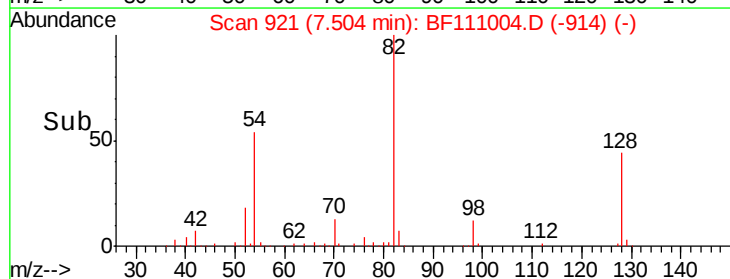
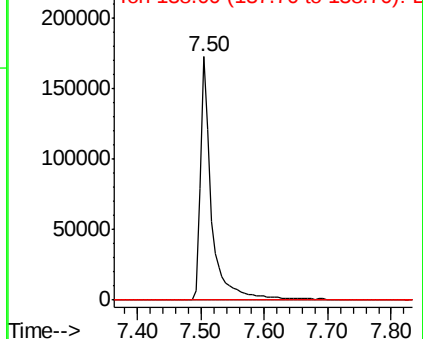


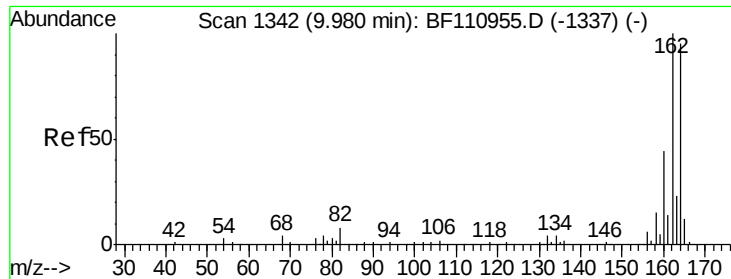
#25
Isophorone
Concen: 45.098 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.26 min
Lab File: BF111004.D
Acq: 27 Nov 2018 12:43

Tgt Ion	82	Resp	210626
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: BF111004.D

Acq: 27 Nov 2018 12:43

Instrument :

BNA_F

ClientSampleId :

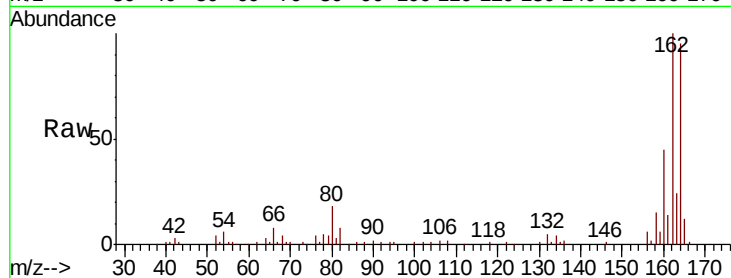
Tot Ion:164 Resp: 65035

Ion Ratio Lower Upper

164 100

162 105.0 83.0 124.6

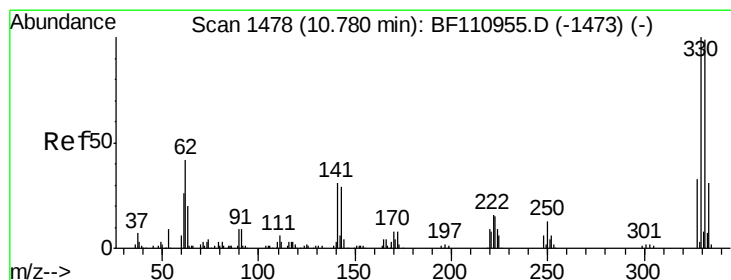
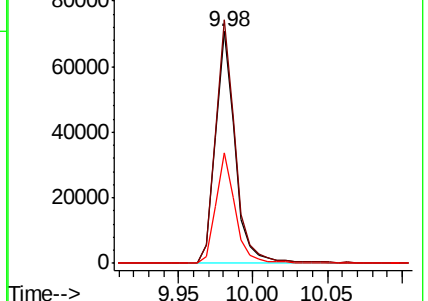
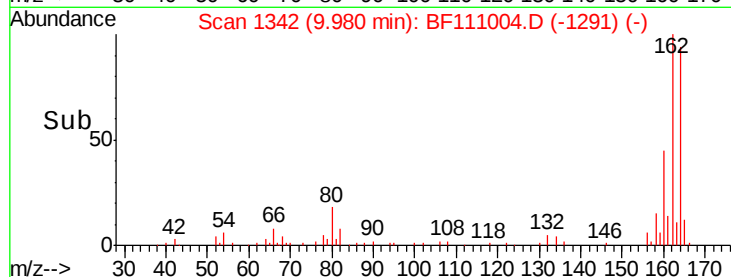
160 47.7 37.0 55.6



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: 106.380 ng

RT: 10.78 min Scan# 1478

Delta R.T. -0.00 min

Lab File: BF111004.D

Acq: 27 Nov 2018 12:43

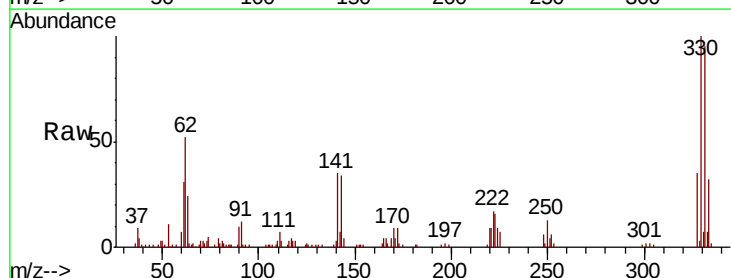
Tgt Ion:330 Resp: 68709

Ion Ratio Lower Upper

330 100

332 95.1 77.1 115.7

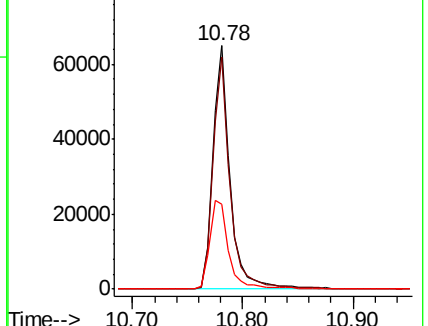
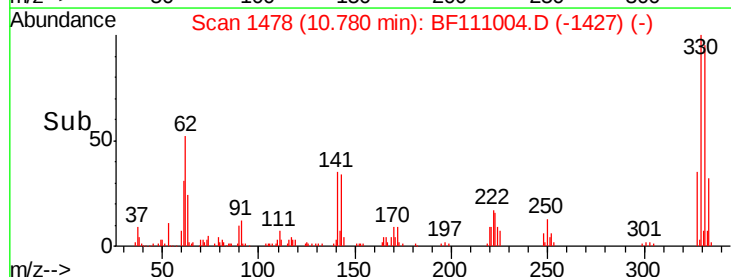
141 39.7 27.0 40.4



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

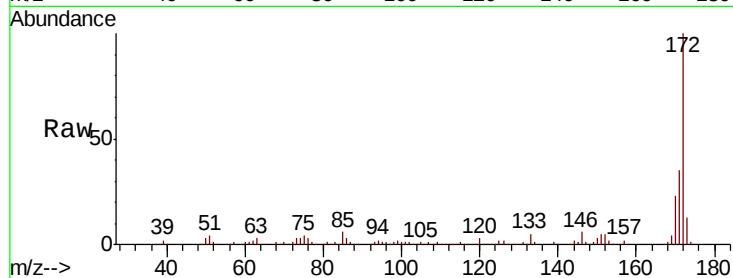




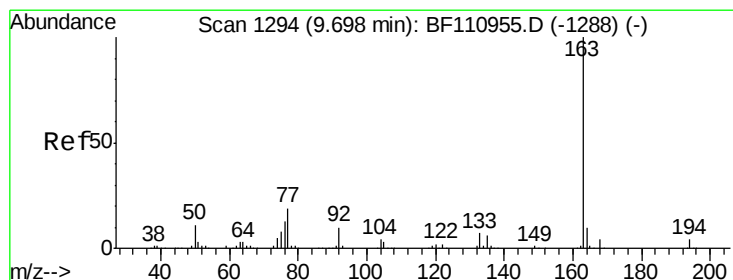
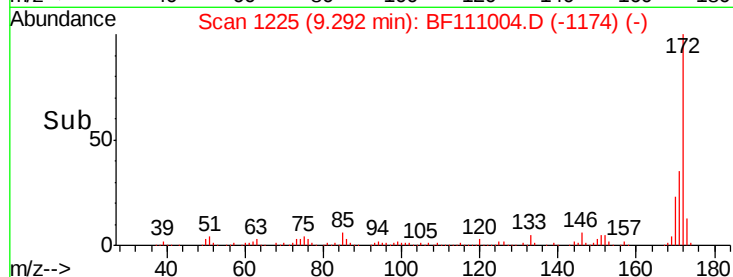
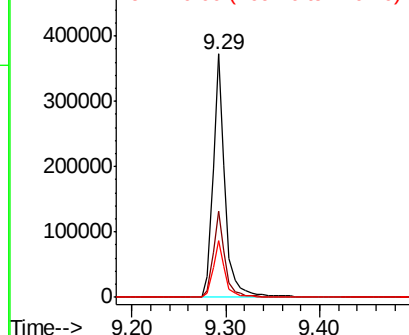
#45
2-Fluorobiphenyl
Concen: 74.833 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.00 min
Lab File: BF111004.D
Acq: 27 Nov 2018 12:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 335925
Ion Ratio Lower Upper
172 100
171 35.2 28.6 43.0
170 23.4 19.7 29.5

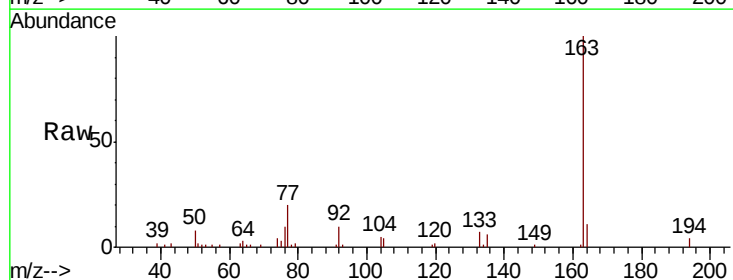


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

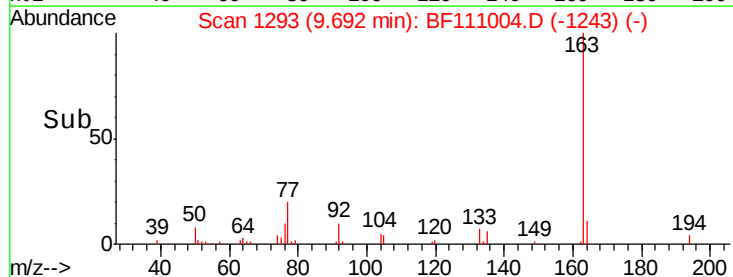
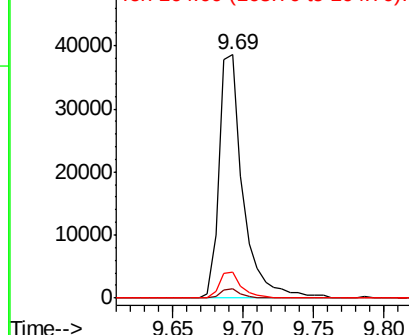


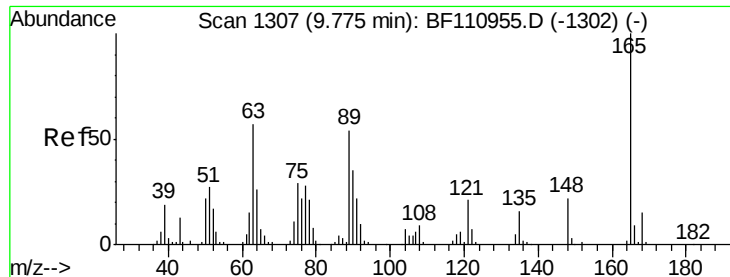
#50
Dimethylphthalate
Concen: 9.525 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF111004.D
Acq: 27 Nov 2018 12:43

Tgt Ion:163 Resp: 45430
Ion Ratio Lower Upper
163 100
194 3.8 3.2 4.8
164 10.6 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: 7.665 ng

RT: 9.98 min Scan# 1342

Delta R.T. 0.21 min

Lab File: BF111004.D

Acq: 27 Nov 2018 12:43

Instrument :

BNA_F

ClientSampleId :

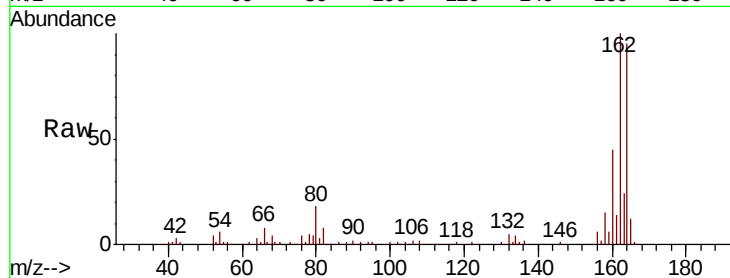
Tot Ion:165 Resp: 8139

Ion Ratio Lower Upper

165 100

63 0.0 48.9 73.3#

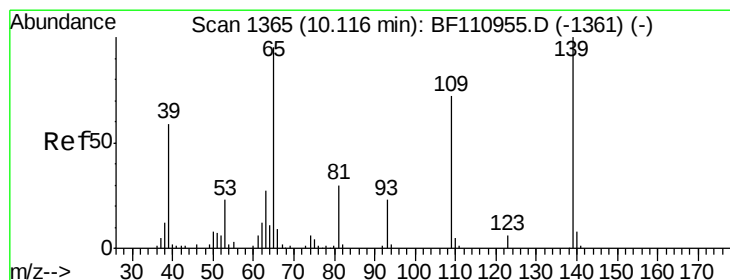
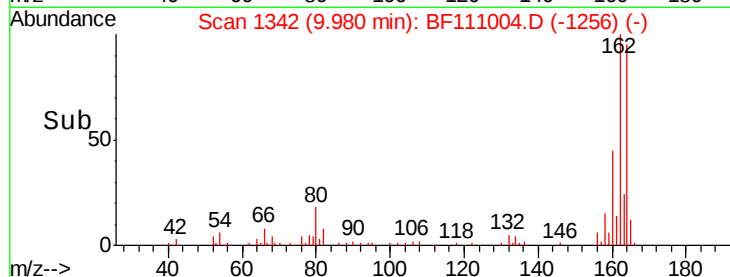
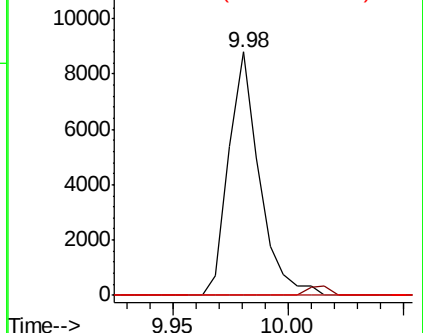
89 0.0 46.6 69.8#



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



#56

4-Nitrophenol

Concen: 5.308 ng

RT: 10.20 min Scan# 1379

Delta R.T. 0.08 min

Lab File: BF111004.D

Acq: 27 Nov 2018 12:43

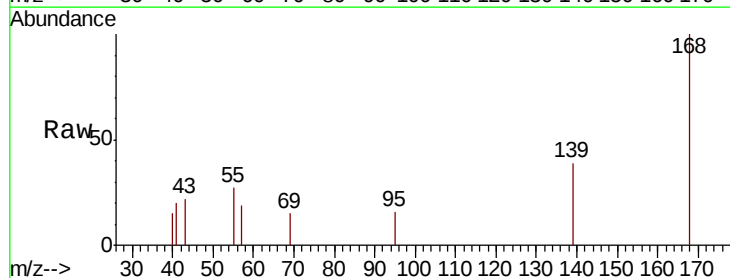
Tgt Ion:139 Resp: 778

Ion Ratio Lower Upper

139 100

109 0.0 55.8 95.8#

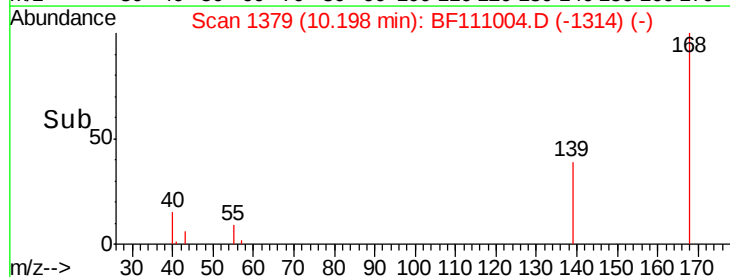
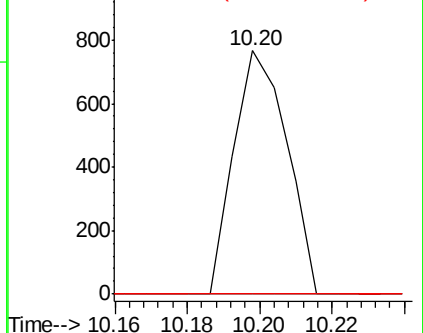
65 0.0 77.9 117.9#

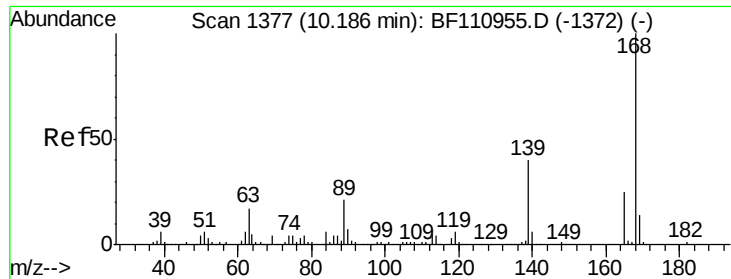


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

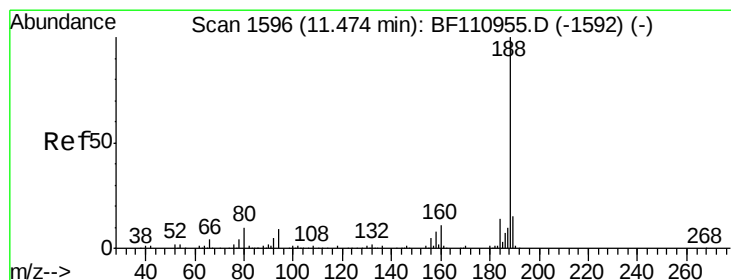
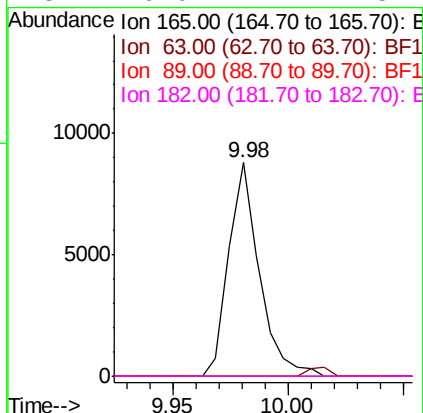
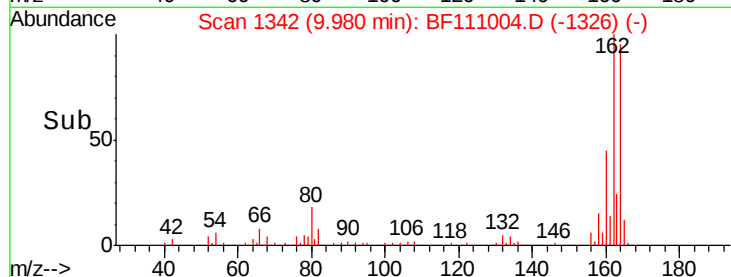
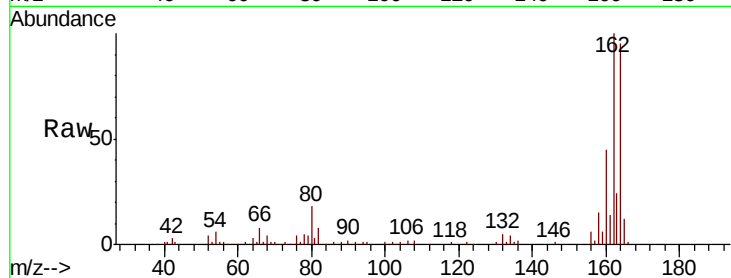




#57
 2,4-Dinitrotoluene
 Concen: 5.908 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. -0.21 min
 Lab File: BF111004.D
 Acq: 27 Nov 2018 12:43

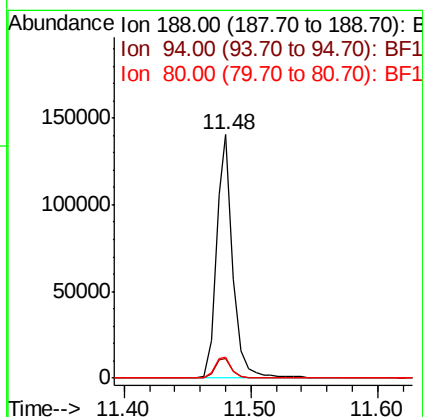
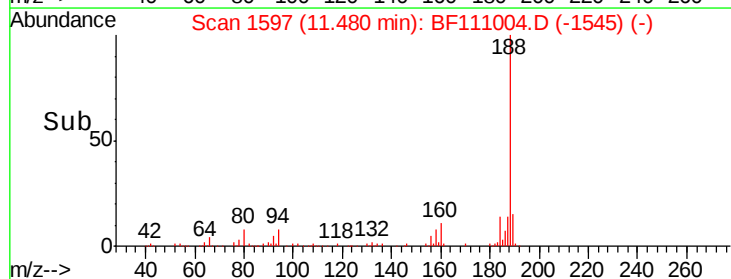
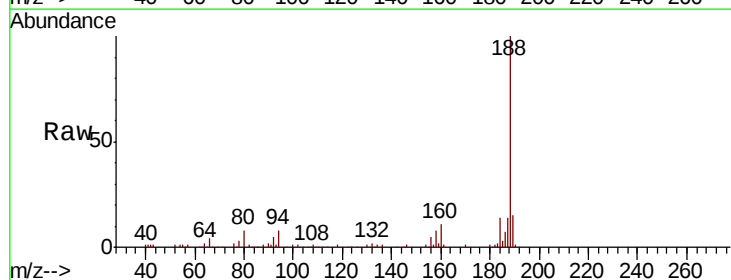
Instrument :
 BNA_F
 ClientSampleId :

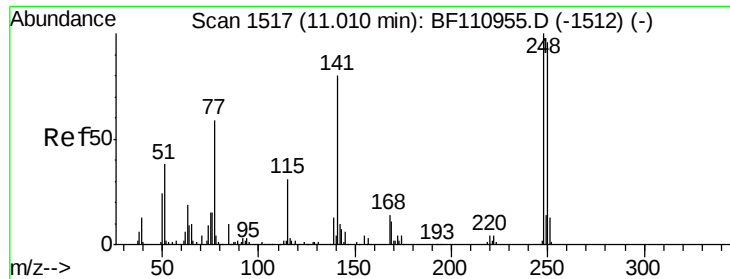
Tot Ion:165 Resp: 8139
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.8 67.2#
 89 0.0 62.2 93.4#
 182 0.0 2.1 3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. 0.01 min
 Lab File: BF111004.D
 Acq: 27 Nov 2018 12:43

Tgt Ion:188 Resp: 126412
 Ion Ratio Lower Upper
 188 100
 94 8.2 7.2 10.8
 80 8.5 7.9 11.9

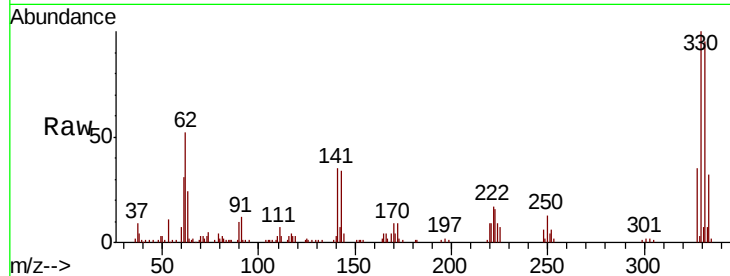




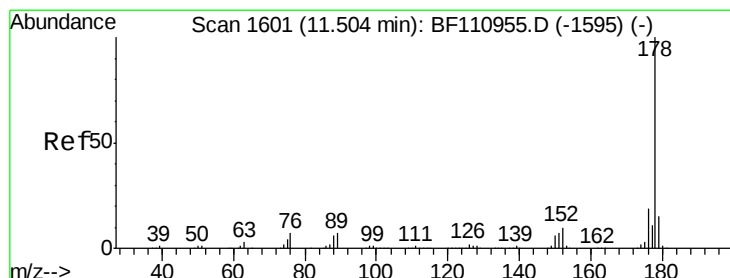
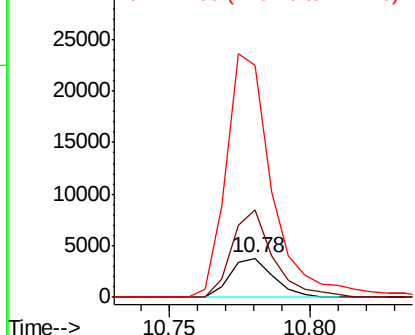
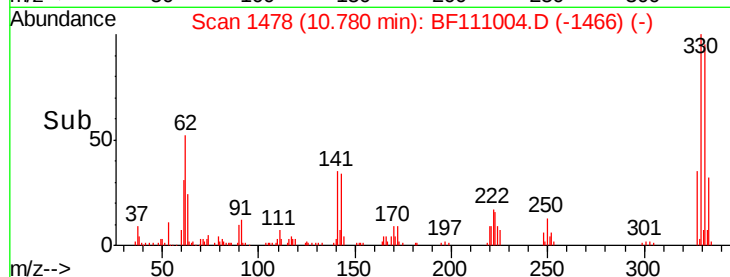
#67
 4-Bromophenyl-phenylether
 Concen: 2.955 ng
 RT: 10.78 min Scan# 1478
 Delta R.T. -0.23 min
 Lab File: BF111004.D
 Acq: 27 Nov 2018 12:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 4068
 Ion Ratio Lower Upper
 248 100
 250 222.7 79.4 119.2#
 141 592.5 55.9 83.9#

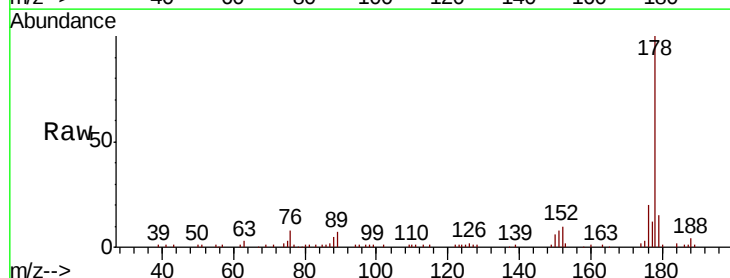


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

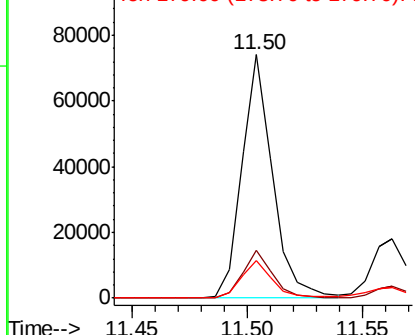
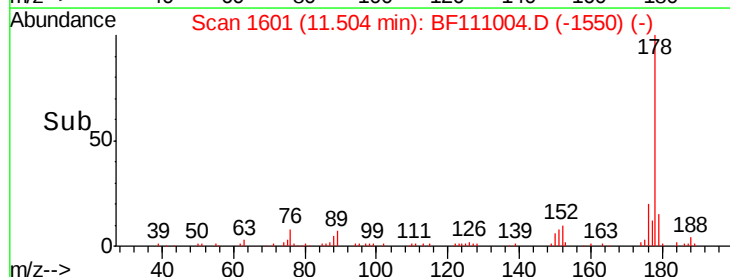


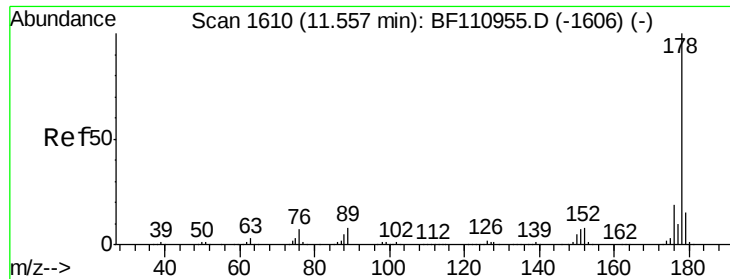
#71
 Phenanthrene
 Concen: 10.289 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.00 min
 Lab File: BF111004.D
 Acq: 27 Nov 2018 12:43

Tgt Ion:178 Resp: 68885
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.5 23.3
 179 15.4 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

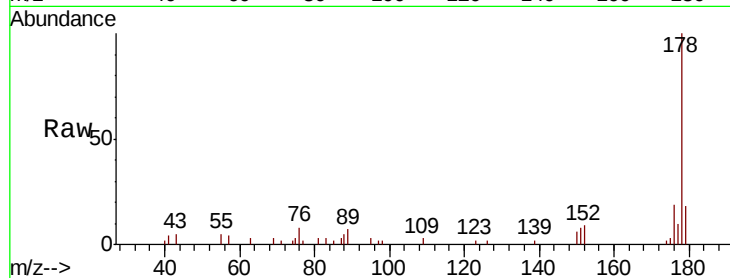




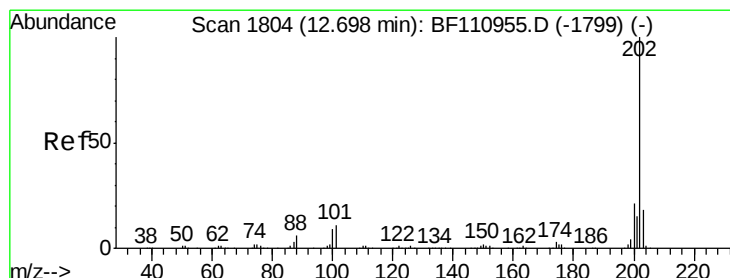
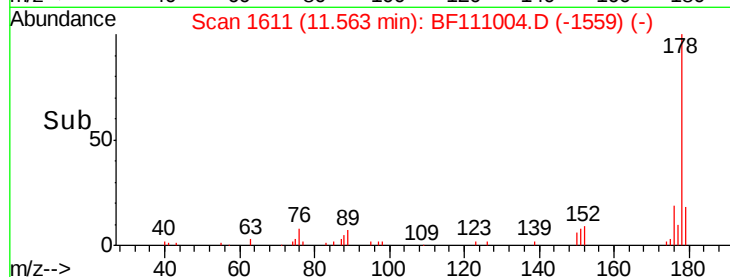
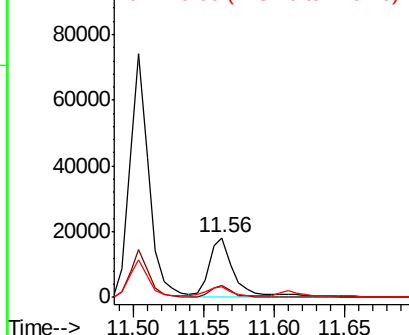
#72
 Anthracene
 Concen: 3.358 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. 0.01 min
 Lab File: BF111004.D
 Acq: 27 Nov 2018 12:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 22894
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.4 23.2
 179 17.6 12.6 18.8

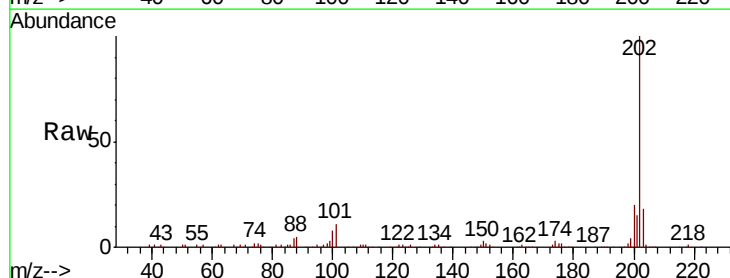


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

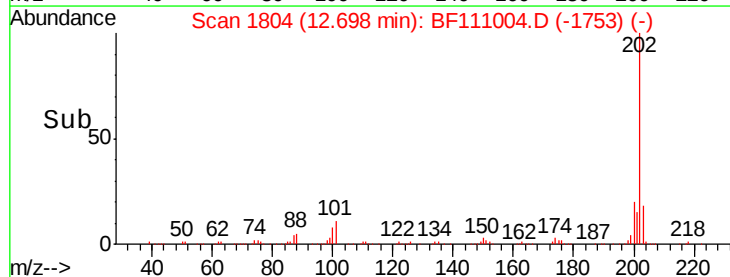
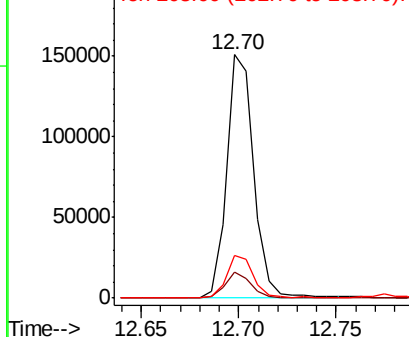


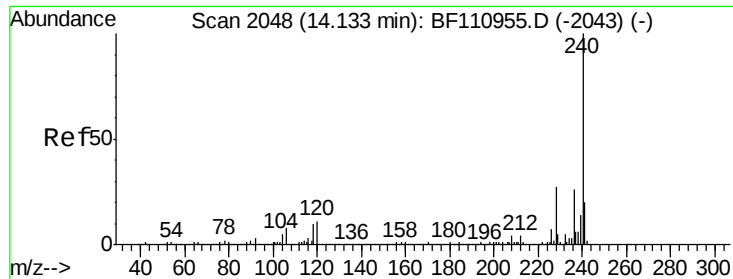
#75
 Fluoranthene
 Concen: 21.011 ng
 RT: 12.70 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: BF111004.D
 Acq: 27 Nov 2018 12:43

Tgt Ion:202 Resp: 144582
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 31.4
 203 17.7 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

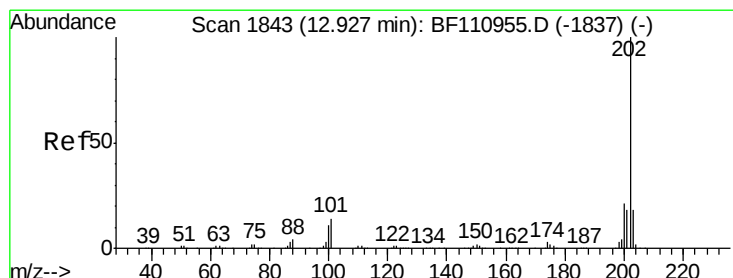
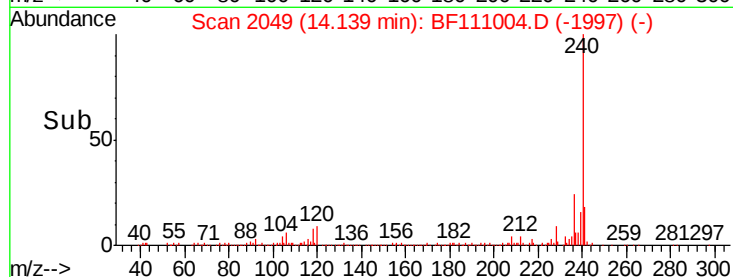
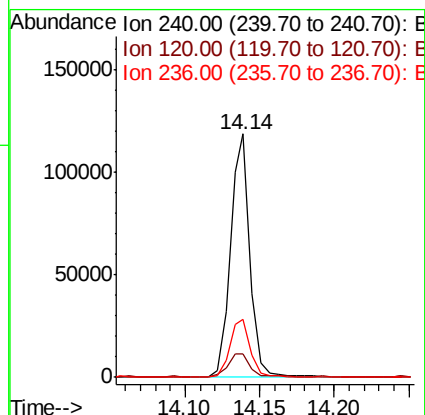
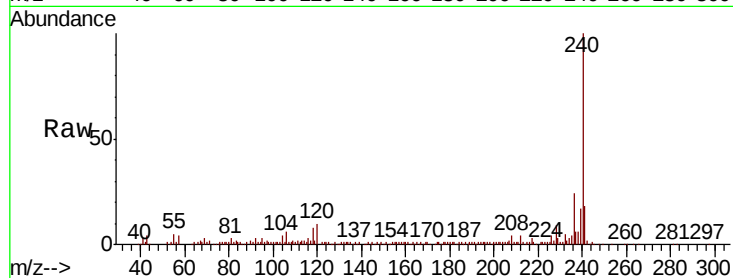




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 14.14 min Scan# 2049
 Delta R.T. 0.01 min
 Lab File: BF111004.D
 Acq: 27 Nov 2018 12:43

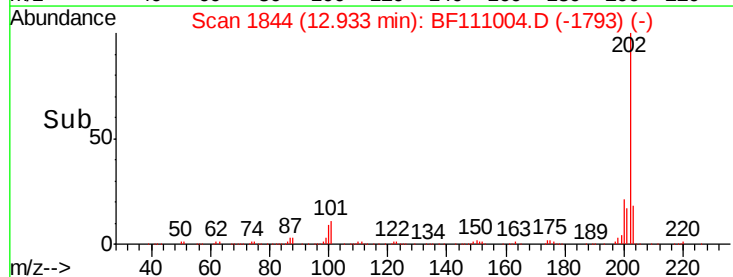
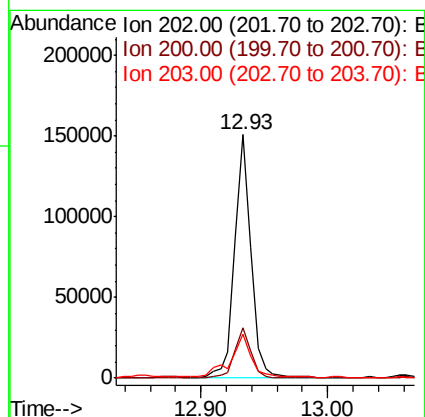
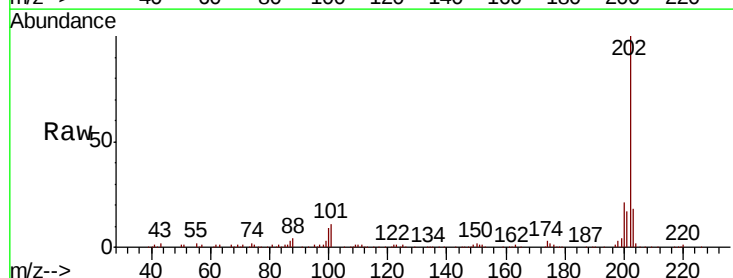
Instrument :
 BNA_F
 ClientSampleId :

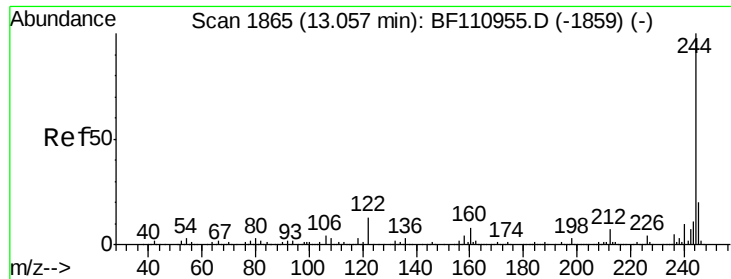
Tot Ion	Ratio	Lower	Upper
240	100		
120	9.5	8.3	12.5
236	24.0	21.2	31.8



#78
 Pyrene
 Concen: 16.932 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. -0.00 min
 Lab File: BF111004.D
 Acq: 27 Nov 2018 12:43

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.8	26.6
203	17.9	14.2	21.4

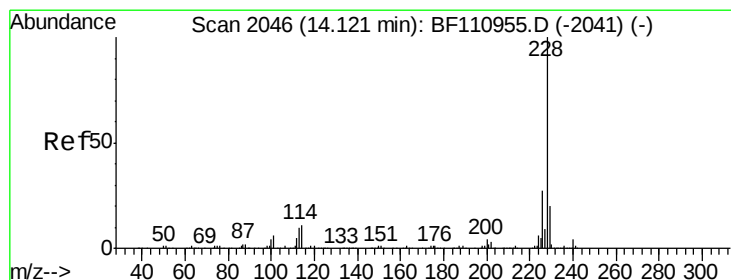
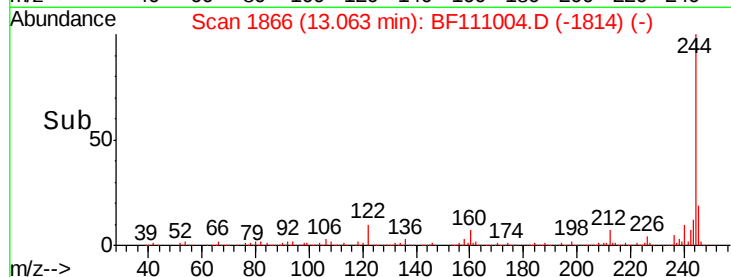
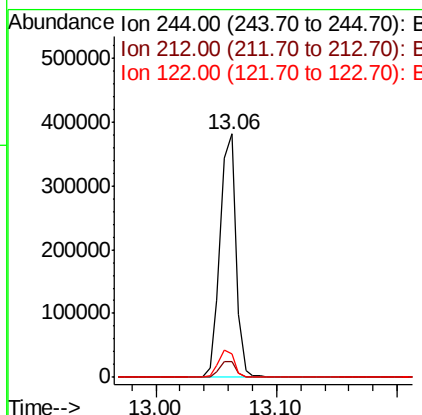
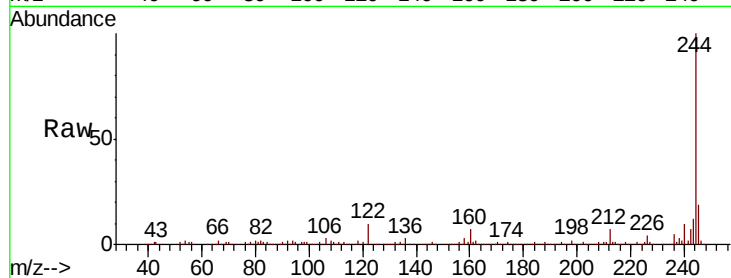




#79
 Terphenyl-d14
 Concen: 61.852 ng
 RT: 13.06 min Scan# 1866
 Delta R.T. 0.01 min
 Lab File: BF111004.D
 Acq: 27 Nov 2018 12:43

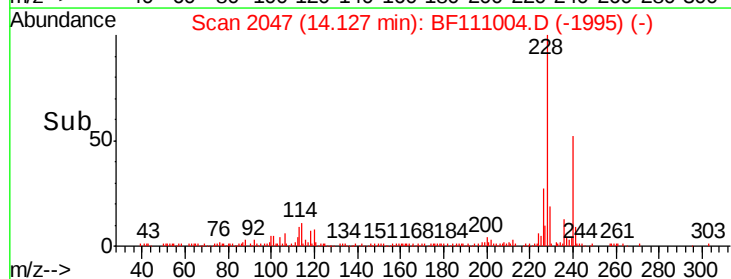
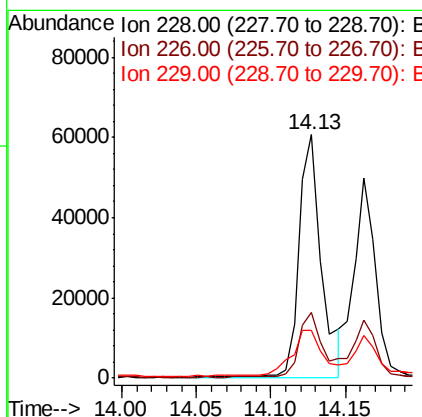
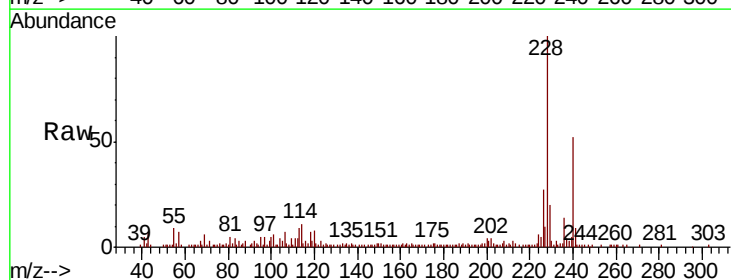
Instrument :
 BNA_F
 ClientSampled :

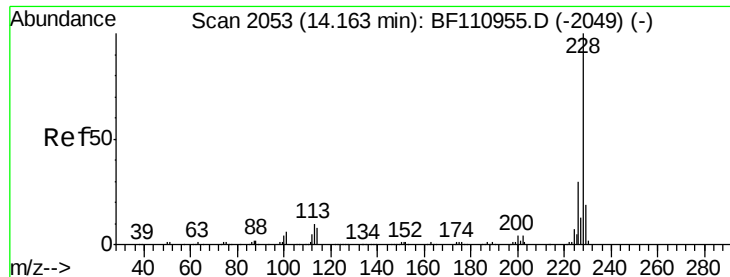
Tot Ion:244 Resp: 346897
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.8 8.8
 122 9.6 8.7 13.1



#81
 Benzo(a)anthracene
 Concen: 10.010 ng
 RT: 14.13 min Scan# 2047
 Delta R.T. 0.01 min
 Lab File: BF111004.D
 Acq: 27 Nov 2018 12:43

Tgt Ion:228 Resp: 64519
 Ion Ratio Lower Upper
 228 100
 226 26.9 22.1 33.1
 229 19.9 15.6 23.4





#83

Chrysene

Concen: 7.864 ng

RT: 14.16 min Scan# 2053

Delta R.T. -0.00 min

Lab File: BF111004.D

Acq: 27 Nov 2018 12:43

Instrument :

BNA_F

ClientSampleId :

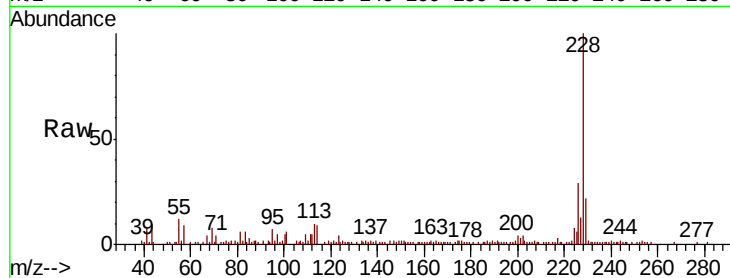
Tot Ion:228 Resp: 49899

Ion Ratio Lower Upper

228 100

226 29.0 24.7 37.1

229 21.6 15.9 23.9

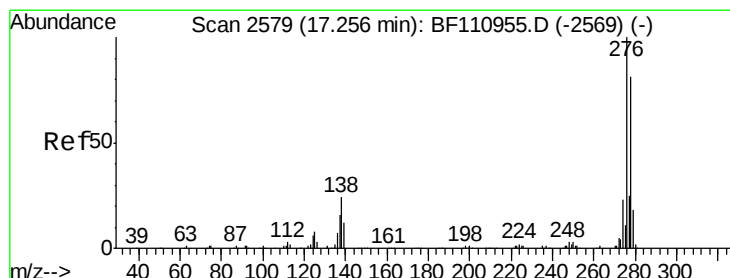
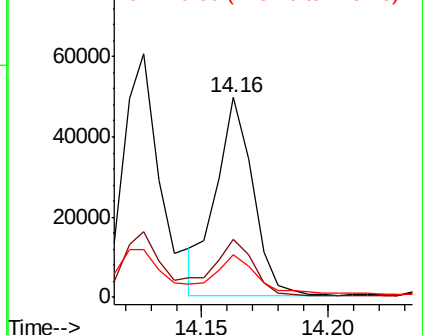
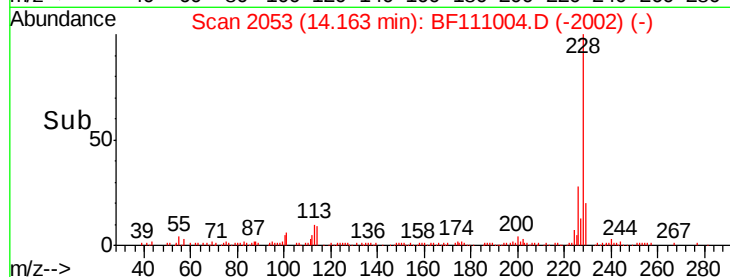


Abundance

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: 4.394 ng

RT: 17.28 min Scan# 2583

Delta R.T. 0.03 min

Lab File: BF111004.D

Acq: 27 Nov 2018 12:43

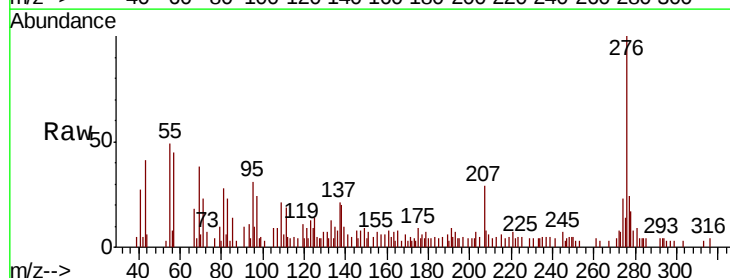
Tgt Ion:276 Resp: 20012

Ion Ratio Lower Upper

276 100

138 28.8 18.5 27.7#

277 33.9 20.0 30.0#

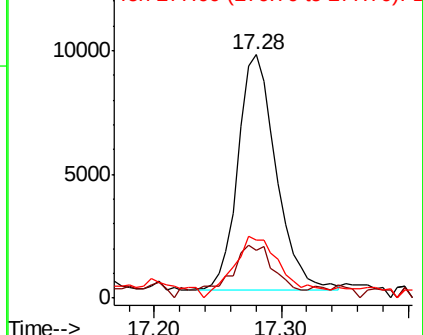
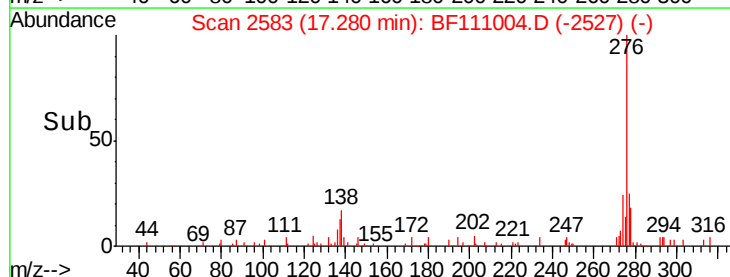


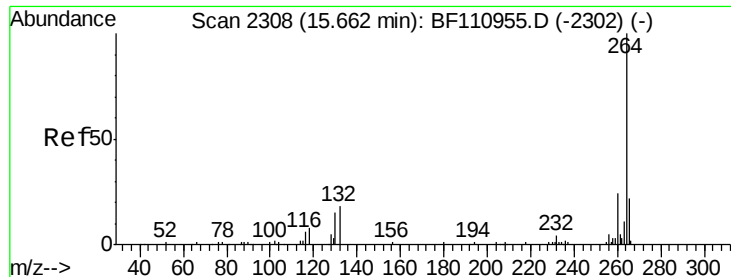
Abundance

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

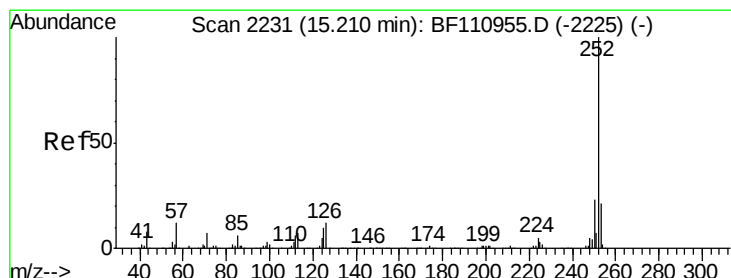
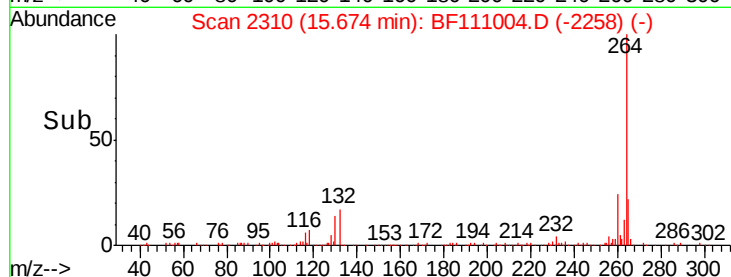
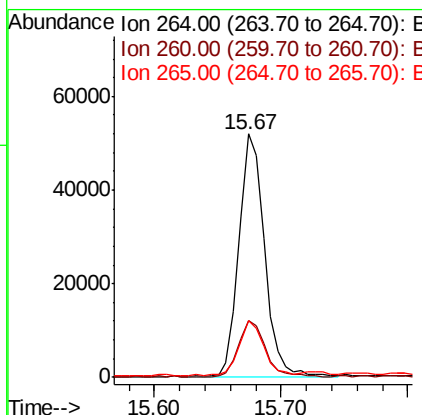
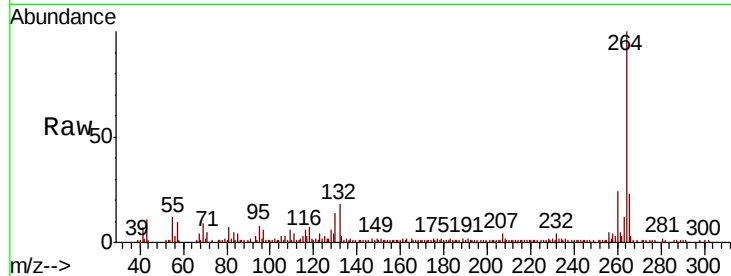




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.67 min Scan# 2310
 Delta R.T. 0.01 min
 Lab File: BF111004.D
 Acq: 27 Nov 2018 12:43

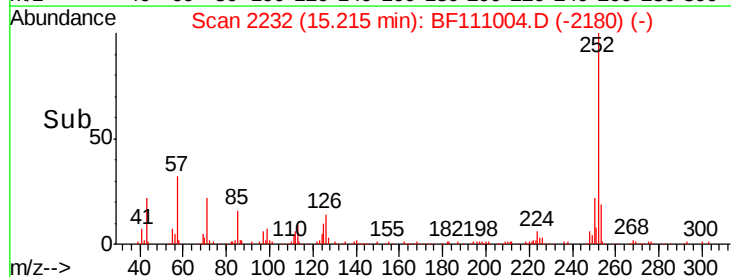
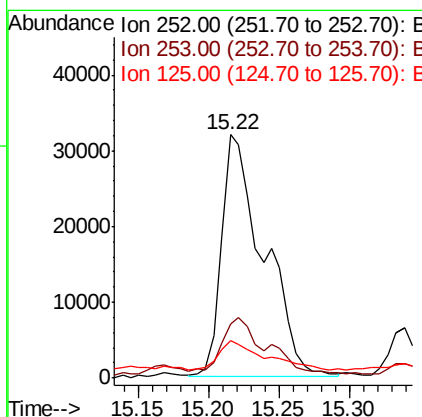
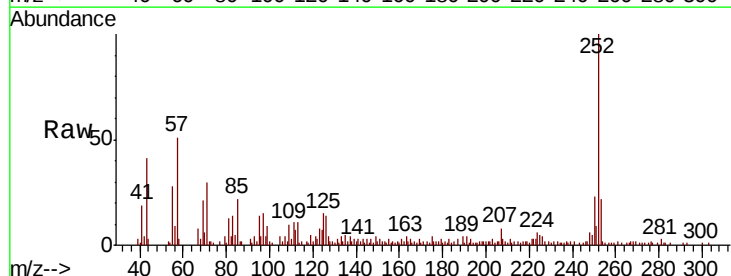
Instrument :
 BNA_F
 ClientSampleId :

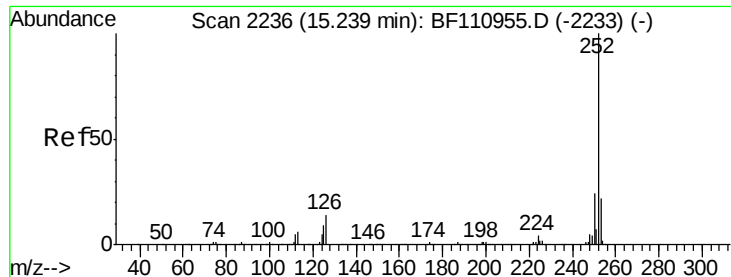
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.7	28.1
265	23.1	16.7	25.1



#88
 Benzo(b)fluoranthene
 Concen: 15.469 ng
 RT: 15.22 min Scan# 2232
 Delta R.T. 0.01 min
 Lab File: BF111004.D
 Acq: 27 Nov 2018 12:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.2	25.8
125	15.2	8.2	12.4#

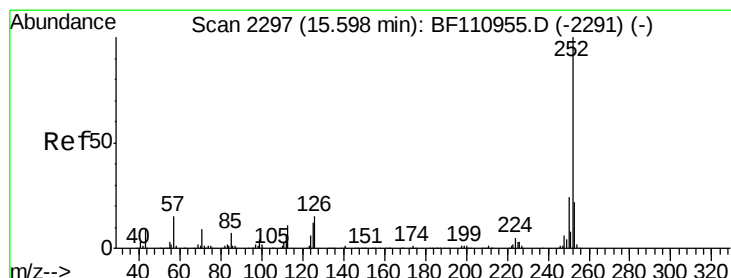
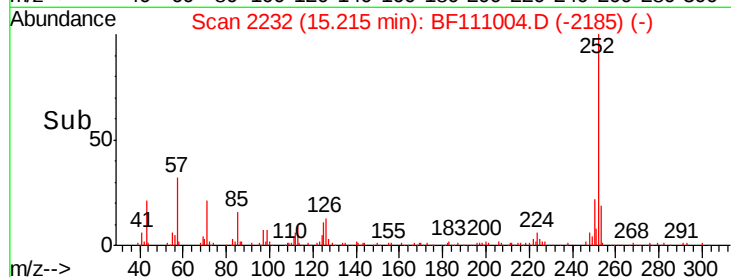
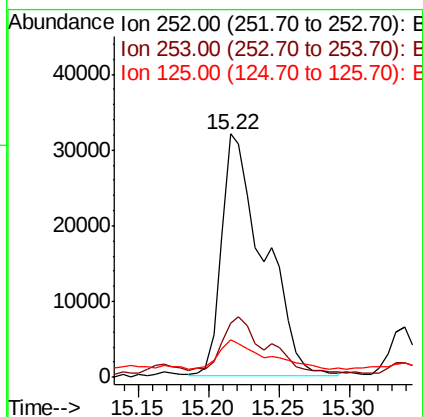
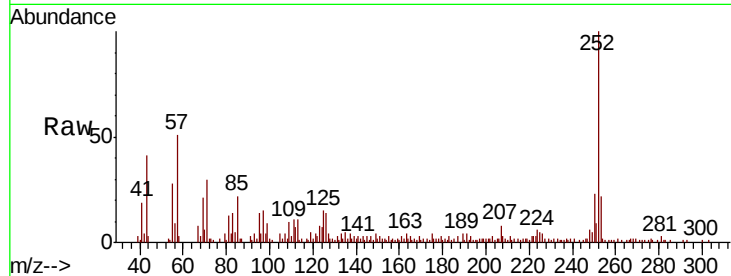




#89
Benzo(k)fluoranthene
Concen: 15.029 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.02 min
Lab File: BF111004.D
Acq: 27 Nov 2018 12:43

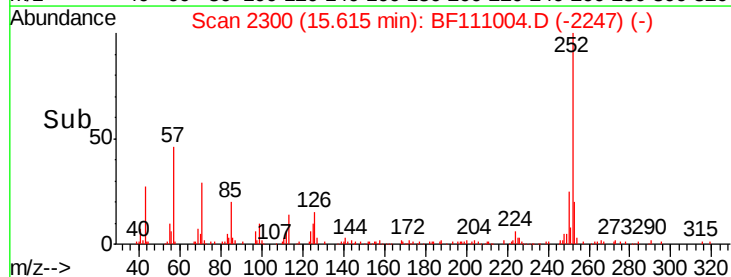
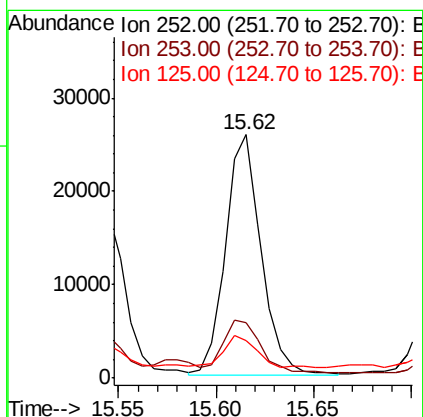
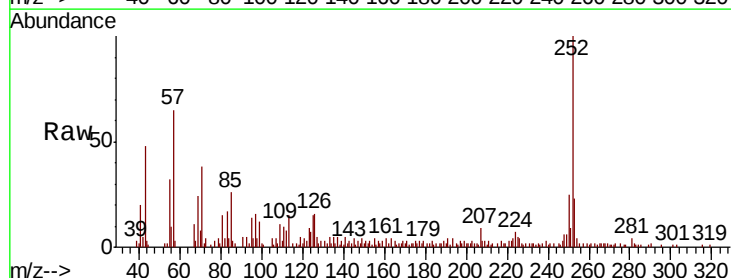
Instrument :
BNA_F
ClientSampleId :

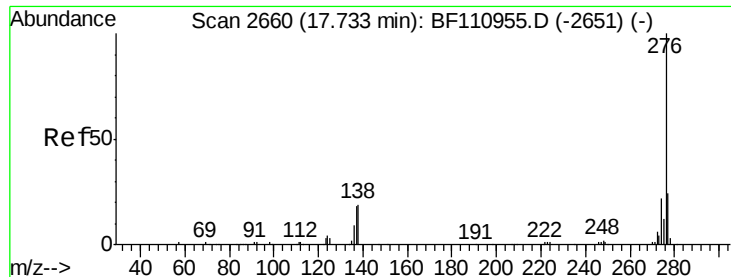
Tot Ion:252 Resp: 66753
Ion Ratio Lower Upper
252 100
253 22.5 17.2 25.8
125 15.2 7.4 11.0#



#90
Benzo(a)pyrene
Concen: 8.075 ng
RT: 15.62 min Scan# 2300
Delta R.T. 0.01 min
Lab File: BF111004.D
Acq: 27 Nov 2018 12:43

Tgt Ion:252 Resp: 32435
Ion Ratio Lower Upper
252 100
253 22.5 18.2 27.4
125 15.2 9.0 13.6#

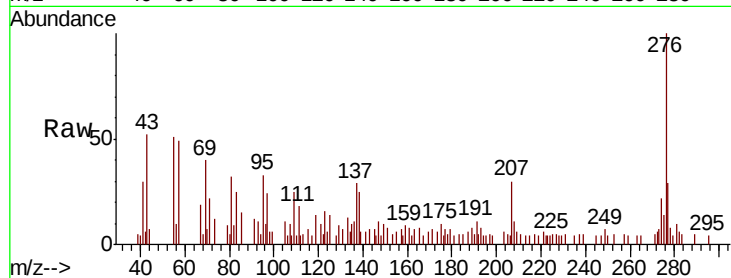




#92
 Benzo(a,h,i)perylene
 Concen: 6.631 ng
 RT: 17.77 min Scan# 2666
 Delta R.T. 0.03 min
 Lab File: BF111004.D
 Acq: 27 Nov 2018 12:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	29.5	18.8	28.2	
138	24.9	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

