

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091317\
 Data File : BF098496.D
 Acq On : 13 Sep 2017 18:20
 Operator : SJ/JU
 Sample : I5209-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 14 05:04:23 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	185161	20.00	ng	-0.02
21) Naphthalene-d8	7.94	136	770501	20.00	ng	-0.01
38) Acenaphthene-d10	9.69	164	330007	20.00	ng	-0.02
63) Phenanthrene-d10	11.17	188	528662	20.00	ng	-0.02
75) Chrysene-d12	13.80	240	381991	20.00	ng	-0.01
86) Perylene-d12	15.20	264	359712	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	713584	56.98	ng	-0.02
7) Phenol-d6	6.30	99	885507	55.69	ng	-0.02
23) Nitrobenzene-d5	7.22	82	514281	37.21	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	137945	62.63	ng	-0.02
44) 2-Fluorobiphenyl	9.02	172	888860	45.65	ng	-0.02
78) Terphenyl-d14	12.75	244	592745	33.49	ng	-0.02

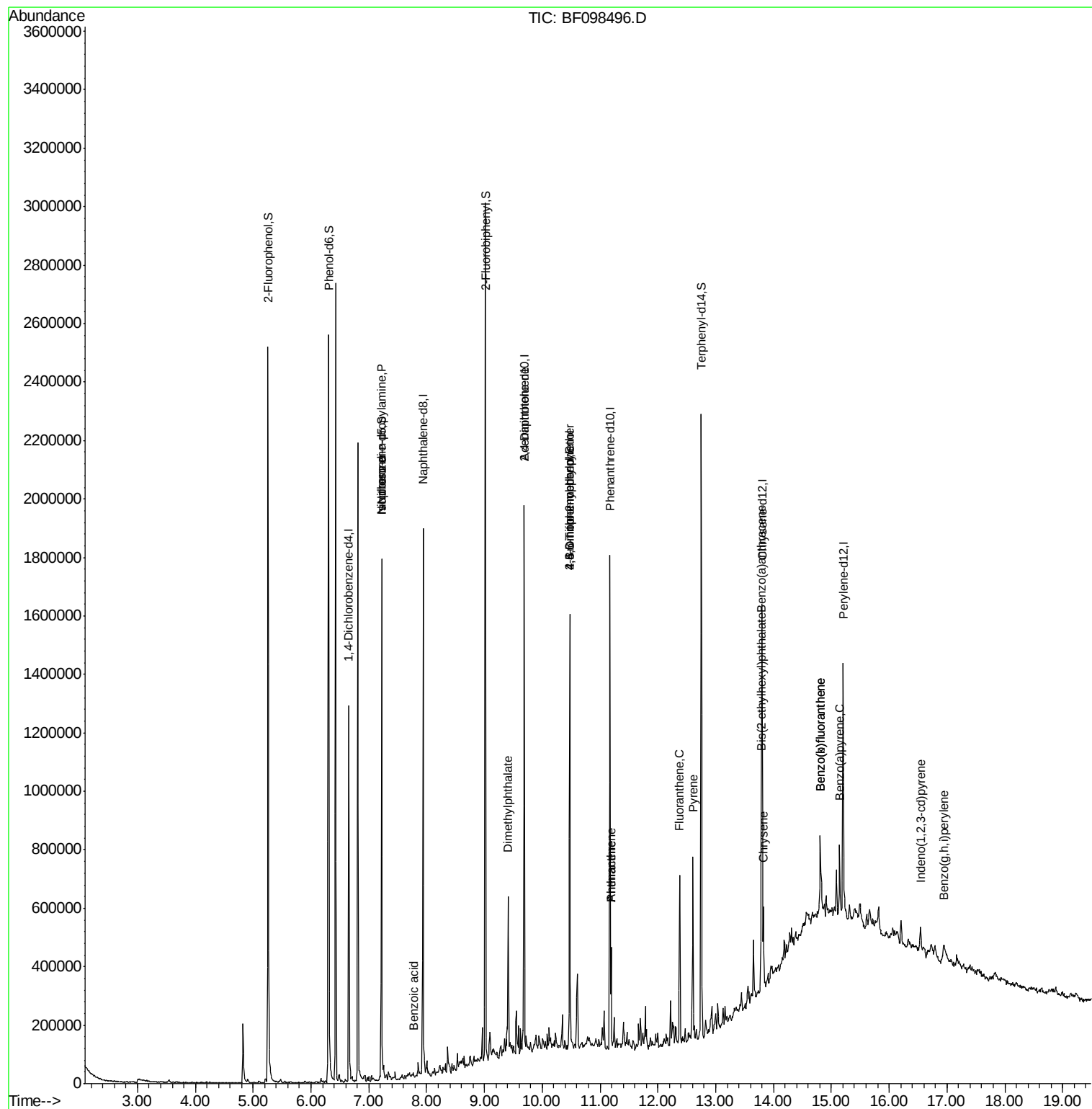
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.22	70	67981	6.797	ng	# 80
25) Isophorone	7.22	82	504940	18.057	ng	# 67
32) Benzoic acid	7.77	122	141	7.984	ng	# 62
49) Dimethylphthalate	9.41	163	152226	5.959	ng	100
56) 2,4-Dinitrotoluene	9.69	165	42865	6.719	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.47	198	336	5.057	ng	# 1
66) 4-Bromophenyl-phenylether	10.47	248	10298	2.052	ng	# 1
70) Phenanthrene	11.19	178	112204	4.004	ng	99
71) Anthracene	11.19	178	112204	3.899	ng	99
74) Fluoranthene	12.38	202	232816	8.298	ng	97
77) Pyrene	12.60	202	231990	7.699	ng	99
80) Benzo(a)anthracene	13.79	228	98734	4.409	ng	93
82) Chrysene	13.83	228	96182	4.249	ng	98
83) Bis(2-ethylhexyl)phthalate	13.79	149	52412	3.195	ng	# 99
85) Indeno(1,2,3-cd)pyrene	16.54	276	41078	2.586	ng	97
87) Benzo(b)fluoranthene	14.81	252	164570	7.276	ng	# 94
88) Benzo(k)fluoranthene	14.81	252	164570	7.794	ng	98
89) Benzo(a)pyrene	15.14	252	86994	4.317	ng	# 93
91) Benzo(a,h,i)perylene	16.94	276	43778	2.969	ng	97

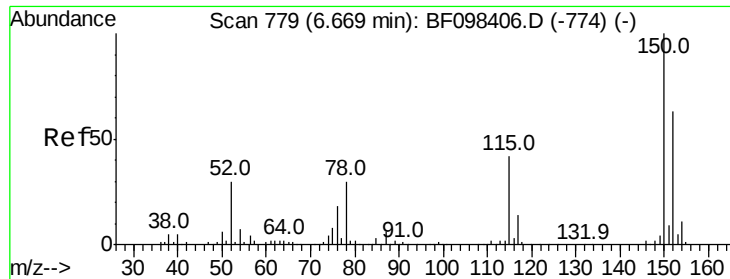
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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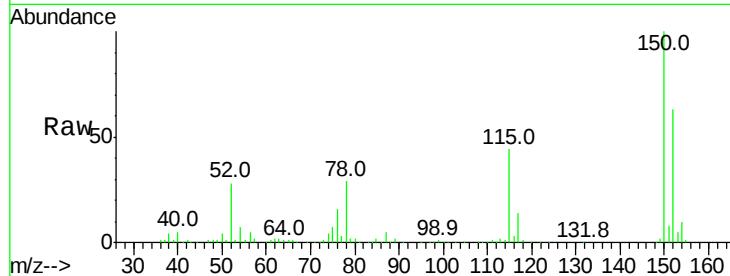


#1

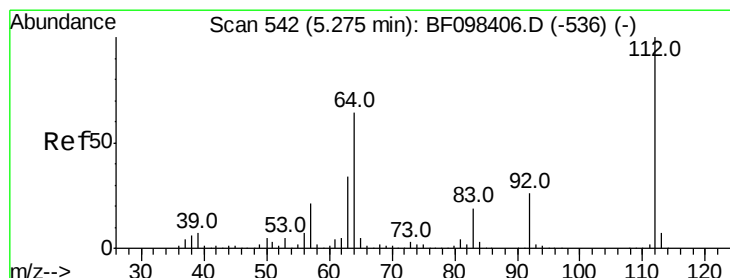
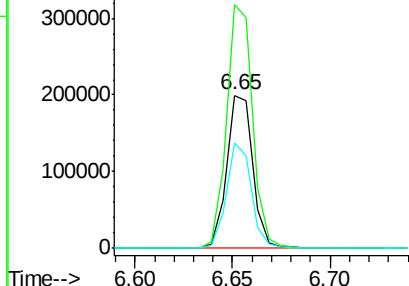
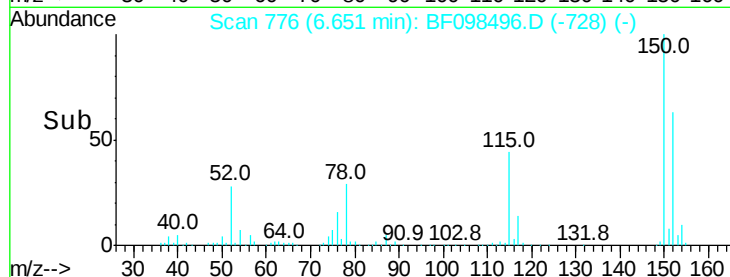
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 776
Delta R.T. -0.02 min
Lab File: BF098496.D
Acq: 13 Sep 2017 18:20

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 185161
Ion Ratio Lower Upper
152 100
150 158.9 126.2 189.2
115 69.2 52.2 78.2



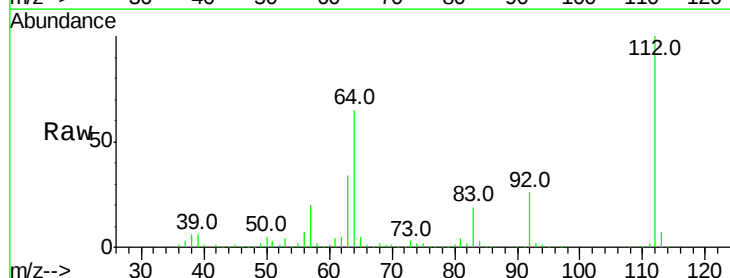
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



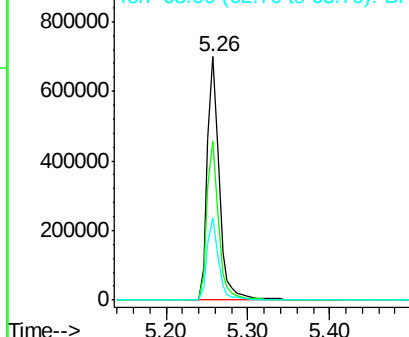
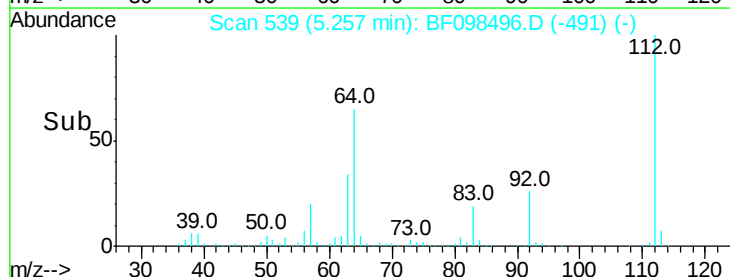
#5

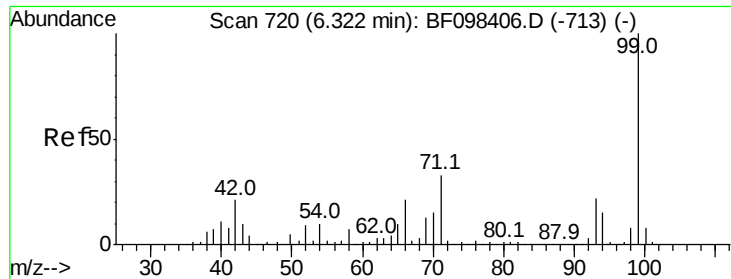
2-Fluorophenol
Concen: 56.980 ng
RT: 5.26 min Scan# 539
Delta R.T. -0.02 min
Lab File: BF098496.D
Acq: 13 Sep 2017 18:20

Tgt Ion:112 Resp: 713584
Ion Ratio Lower Upper
112 100
64 65.4 46.0 69.0
63 33.6 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 55.691 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.02 min

Lab File: BF098496.D

Acq: 13 Sep 2017 18:20

Instrument :

BNA_F

ClientSampleId :

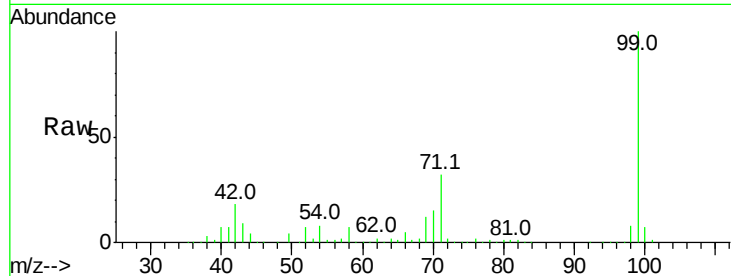
Tot Ion: 99 Resp: 885507

Ion Ratio Lower Upper

99 100

42 18.5 13.5 20.3

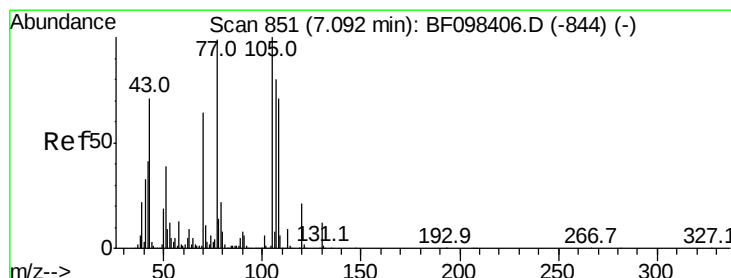
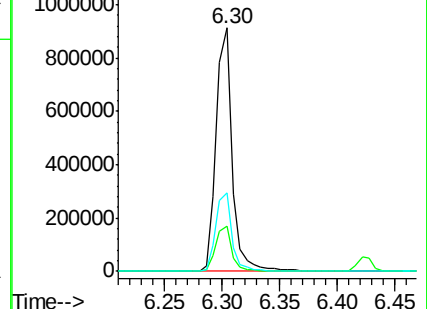
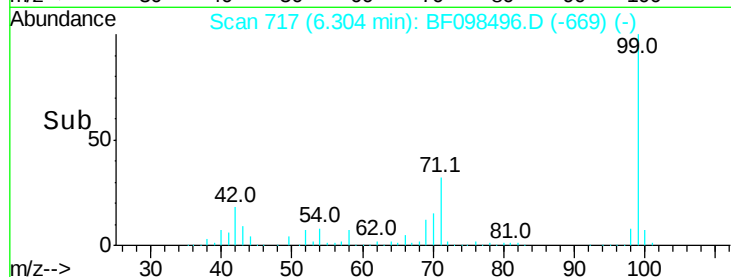
71 32.5 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 6.797 ng

RT: 7.22 min Scan# 873

Delta R.T. 0.13 min

Lab File: BF098496.D

Acq: 13 Sep 2017 18:20

Tgt Ion: 70 Resp: 67981

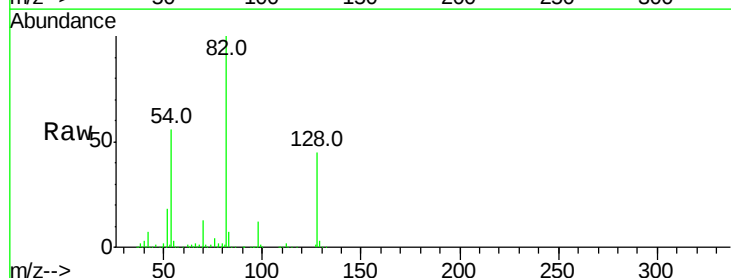
Ion Ratio Lower Upper

70 100

42 49.0 47.2 70.8

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#

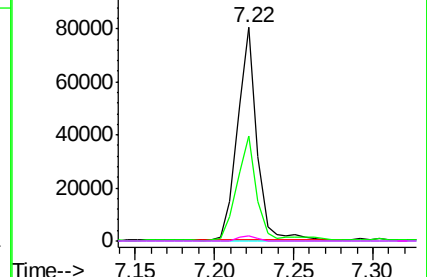
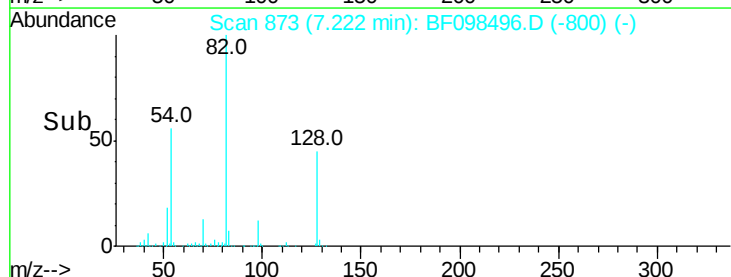


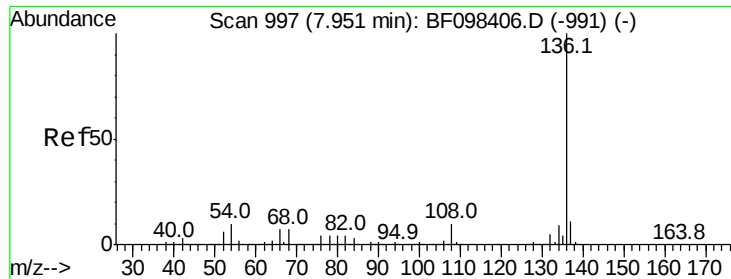
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.94 min Scan# 995

Delta R.T. -0.01 min

Lab File: BF098496.D

Acq: 13 Sep 2017 18:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 770501

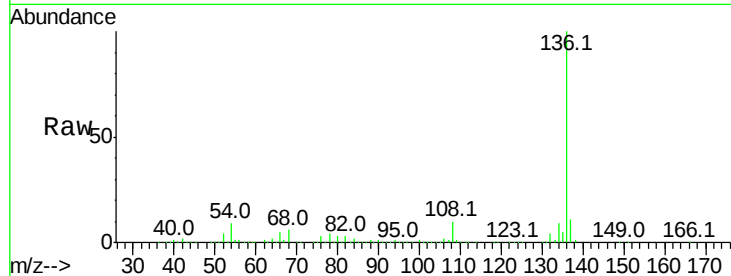
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 8.6 4.9 7.3#

68 6.0 4.1 6.1

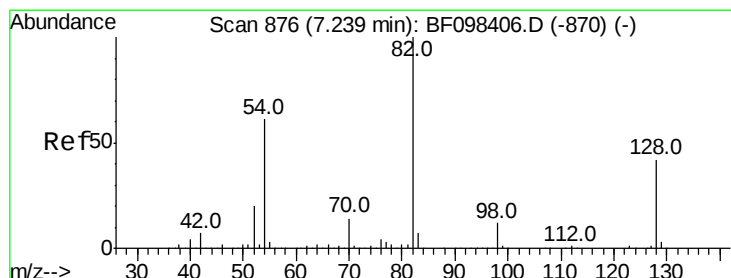
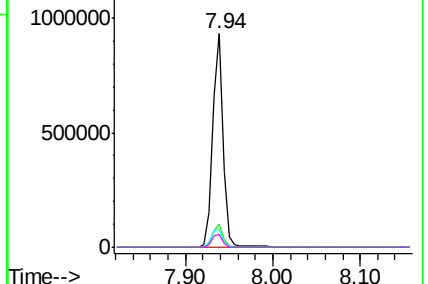
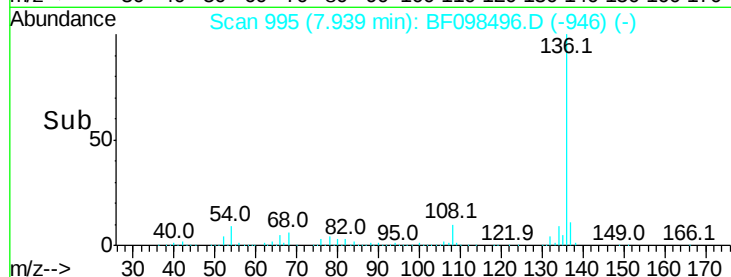


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 37.211 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.02 min

Lab File: BF098496.D

Acq: 13 Sep 2017 18:20

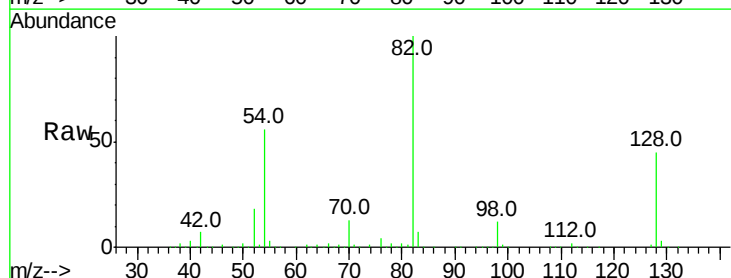
Tgt Ion: 82 Resp: 514281

Ion Ratio Lower Upper

82 100

128 45.1 34.0 51.0

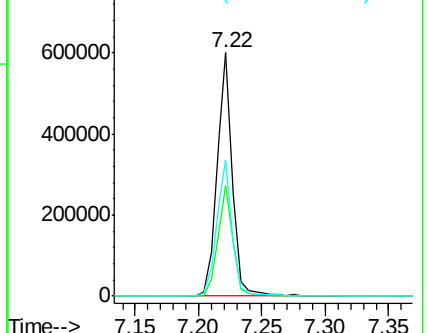
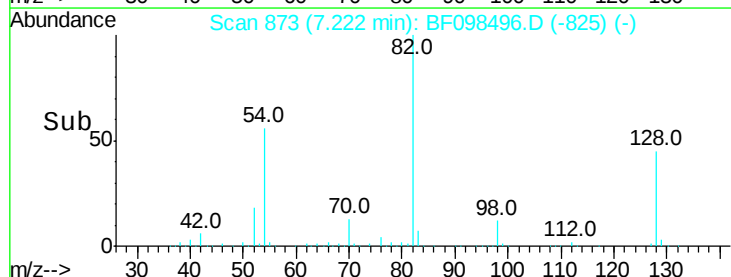
54 56.0 42.2 63.2

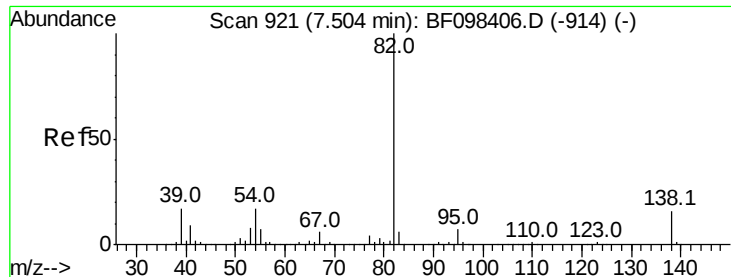


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 18.057 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.28 min

Lab File: BF098496.D

Acq: 13 Sep 2017 18:20

Instrument :

BNA_F

ClientSampled :

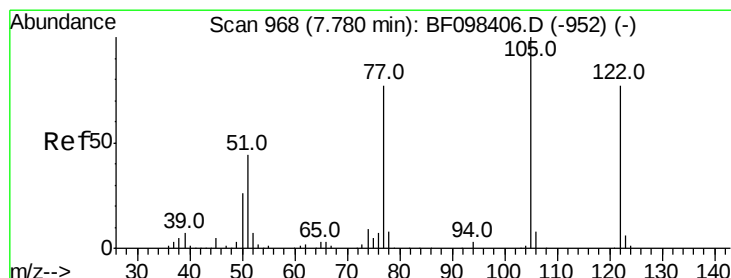
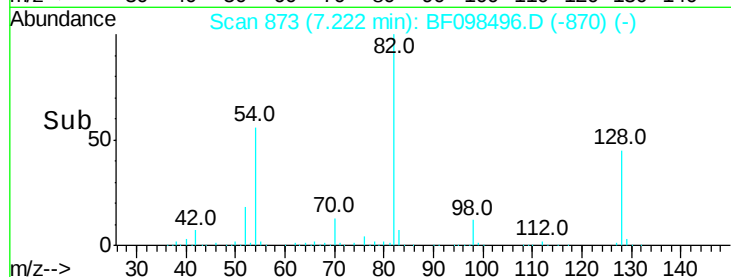
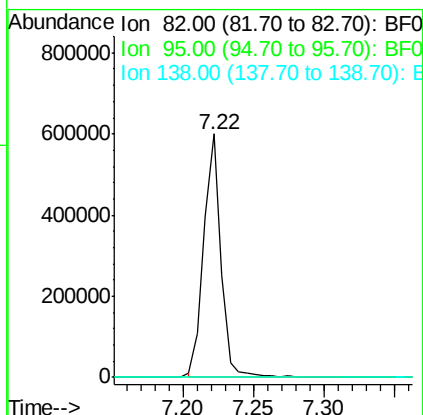
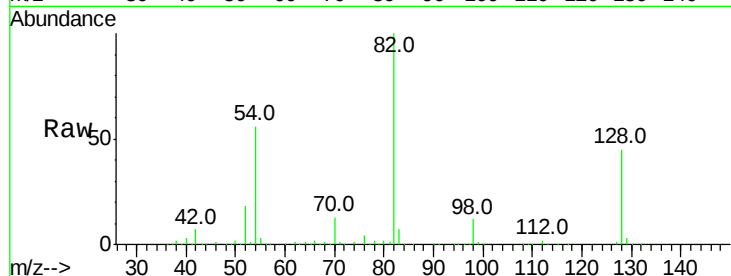
Tot Ion: 82 Resp: 504940

Ion Ratio Lower Upper

82 100

95 0.1 5.3 7.9#

138 0.0 13.1 19.7#



#32

Benzoic acid

Concen: 7.984 ng

RT: 7.77 min Scan# 967

Delta R.T. -0.01 min

Lab File: BF098496.D

Acq: 13 Sep 2017 18:20

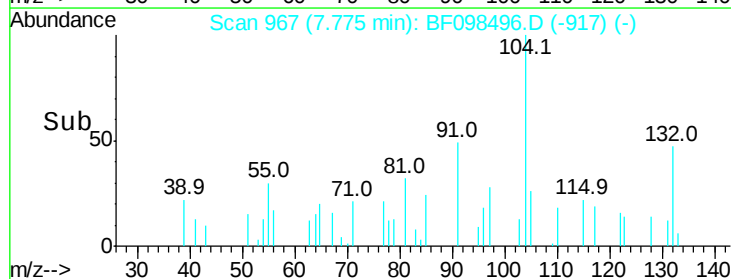
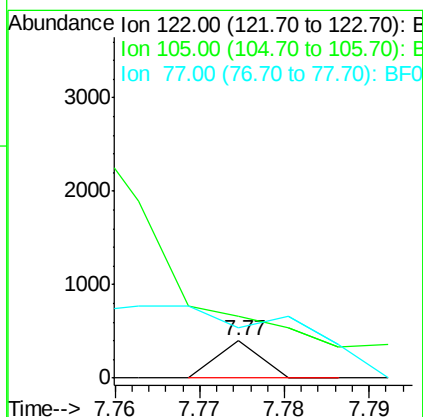
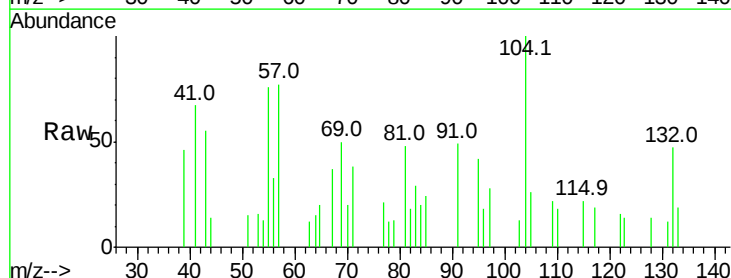
Tgt Ion: 122 Resp: 141

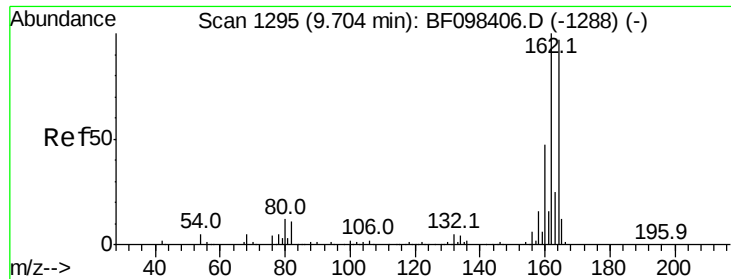
Ion Ratio Lower Upper

122 100

105 163.8 103.3 143.3#

77 133.7 73.7 113.7#

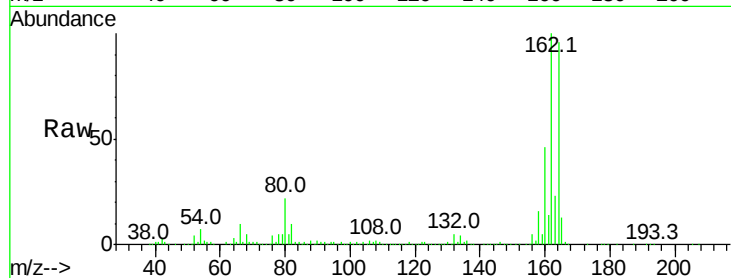




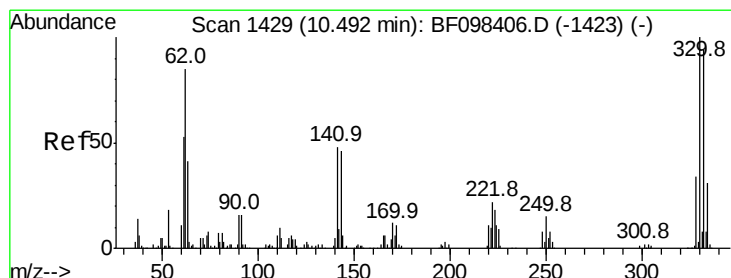
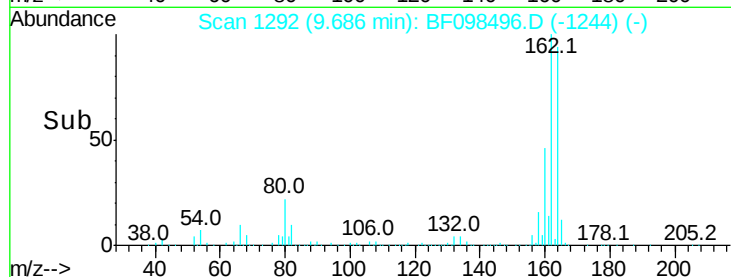
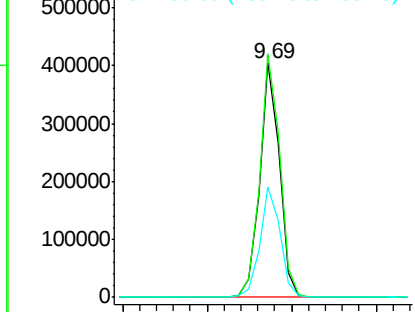
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BF098496.D
Acq: 13 Sep 2017 18:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.0	82.6	123.8
160	47.4	36.2	54.2

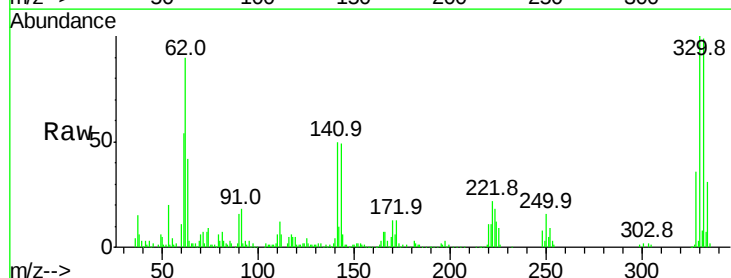


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

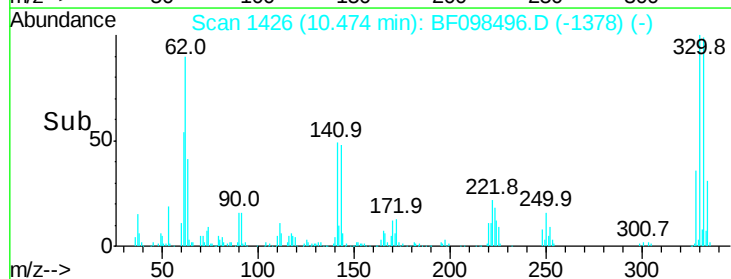
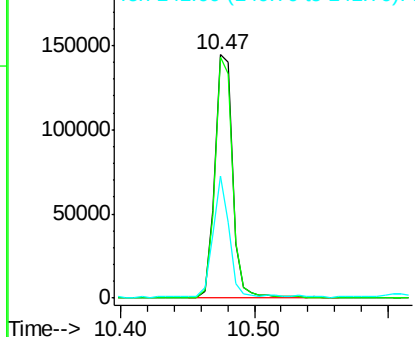


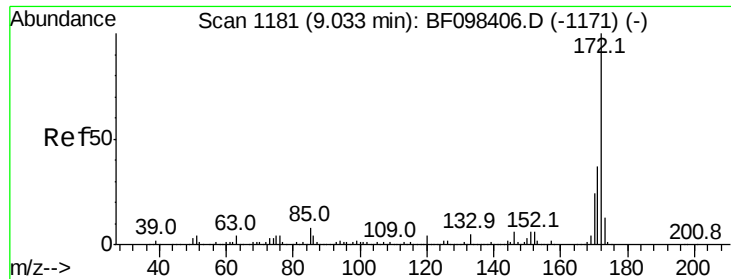
#41
2,4,6-Tribromophenol
Concen: 62.630 ng
RT: 10.47 min Scan# 1426
Delta R.T. -0.02 min
Lab File: BF098496.D
Acq: 13 Sep 2017 18:20

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.5	76.6	115.0
141	43.8	31.4	47.2



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

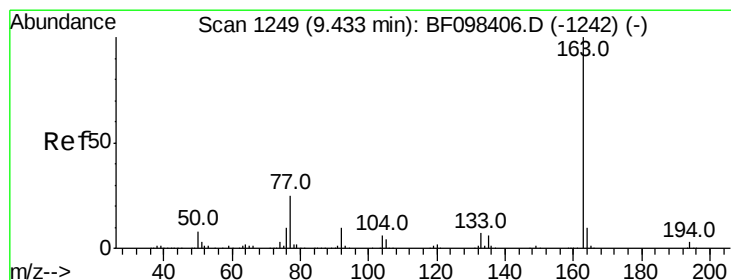
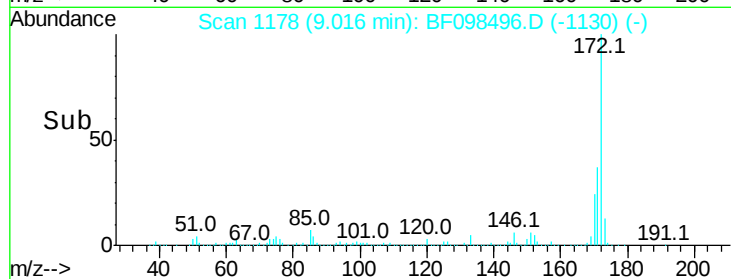
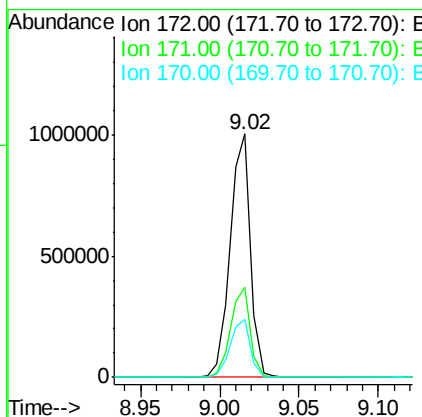
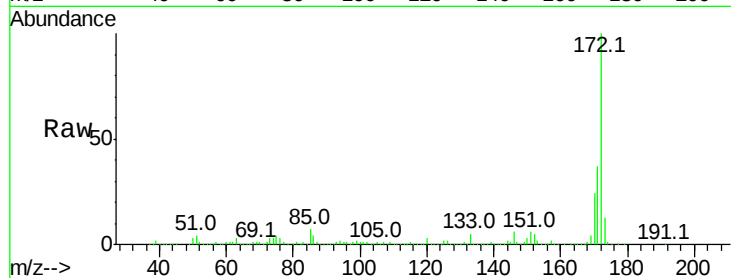




#44
2-Fluorobiphenyl
Concen: 45.652 ng
RT: 9.02 min Scan# 1178
Delta R.T. -0.02 min
Lab File: BF098496.D
Acq: 13 Sep 2017 18:20

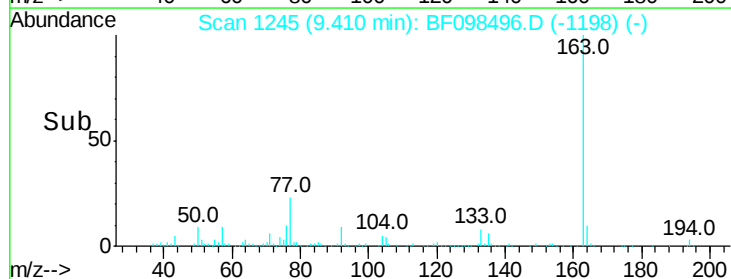
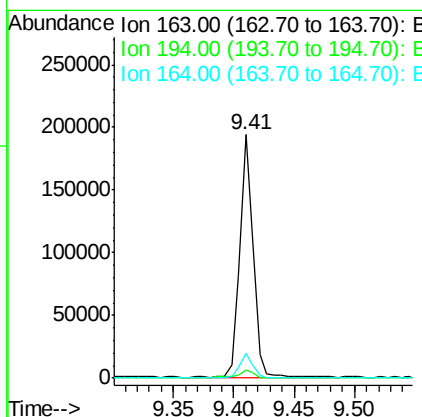
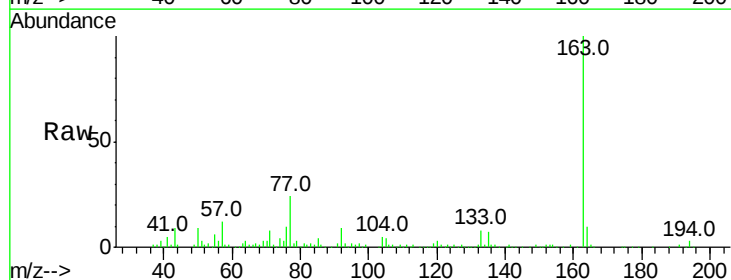
Instrument :
BNA_F
ClientSampleId :

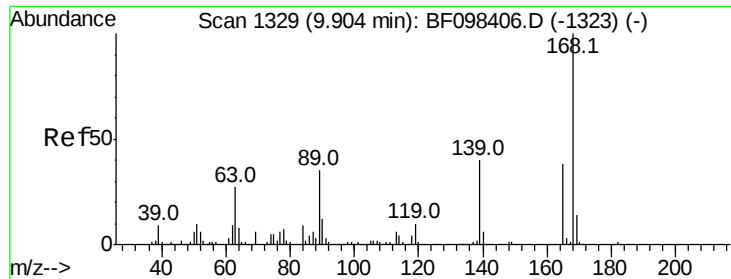
Tot Ion:172 Resp: 888860
Ion Ratio Lower Upper
172 100
171 36.9 29.6 44.4
170 23.9 19.8 29.8



#49
Dimethylphthalate
Concen: 5.959 ng
RT: 9.41 min Scan# 1245
Delta R.T. -0.02 min
Lab File: BF098496.D
Acq: 13 Sep 2017 18:20

Tgt Ion:163 Resp: 152226
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 10.4 8.4 12.6

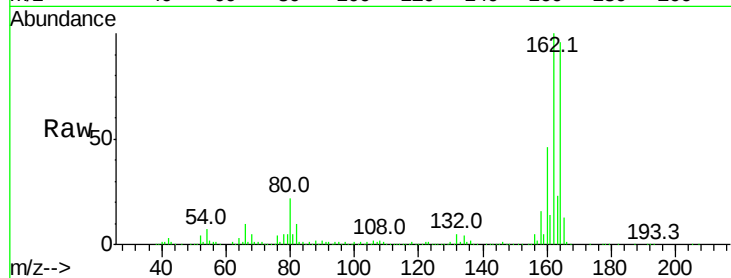




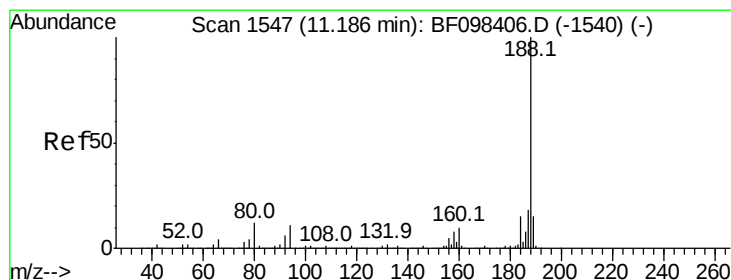
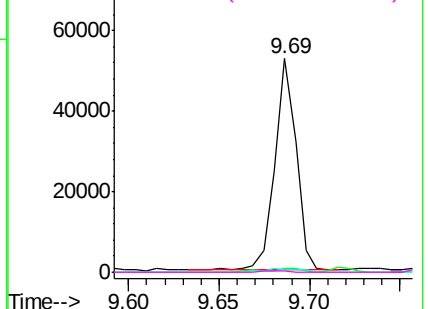
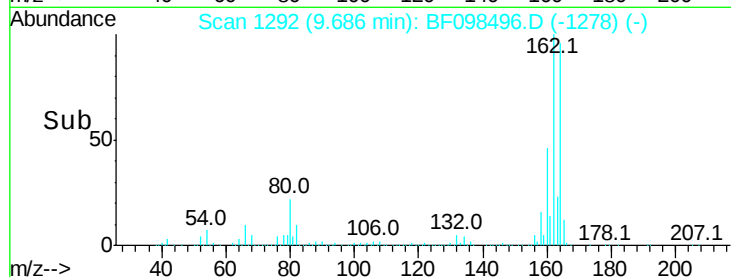
#56
 2,4-Dinitrotoluene
 Concen: 6.719 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.22 min
 Lab File: BF098496.D
 Acq: 13 Sep 2017 18:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 42865
 Ion Ratio Lower Upper
 165 100
 63 1.7 25.4 38.0#
 89 1.5 46.4 69.6#
 182 0.7 1.8 2.6#

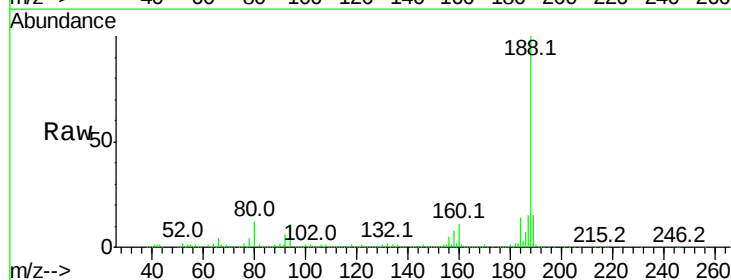


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

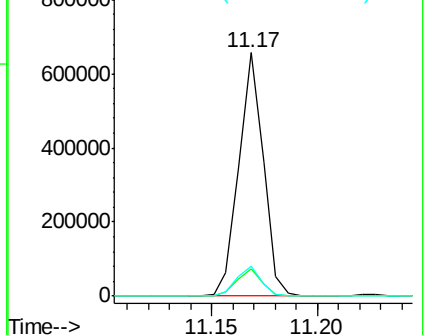
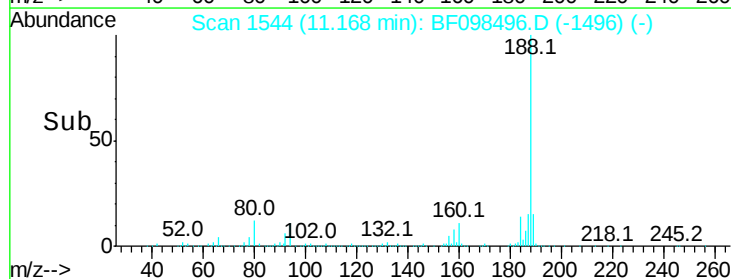


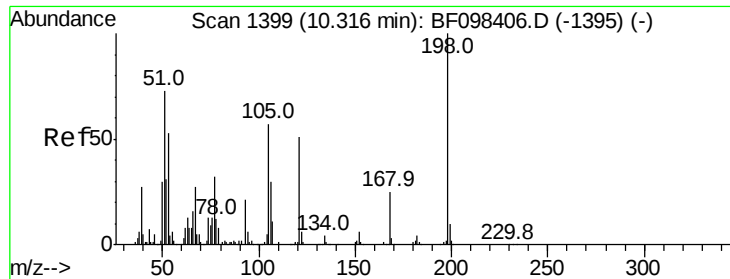
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.17 min Scan# 1544
 Delta R.T. -0.02 min
 Lab File: BF098496.D
 Acq: 13 Sep 2017 18:20

Tgt Ion:188 Resp: 528662
 Ion Ratio Lower Upper
 188 100
 94 11.5 9.4 14.2
 80 12.0 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

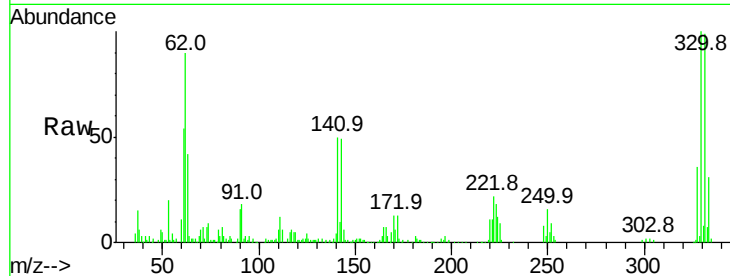




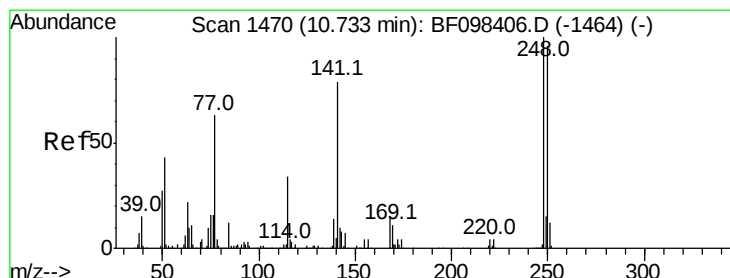
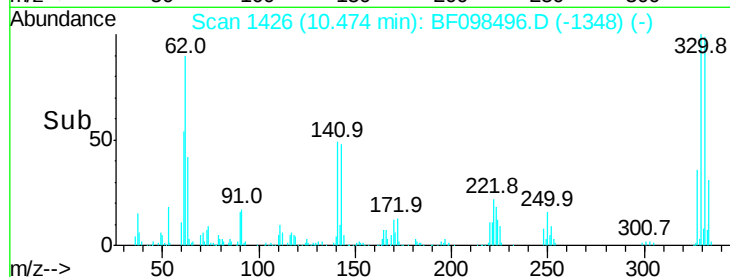
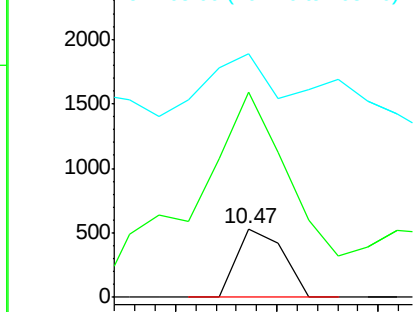
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.057 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. 0.16 min
 Lab File: BF098496.D
 Acq: 13 Sep 2017 18:20

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:198 Resp: 336
 Ion Ratio Lower Upper
 198 100
 51 299.1 53.2 93.2#
 105 354.0 45.8 85.8#

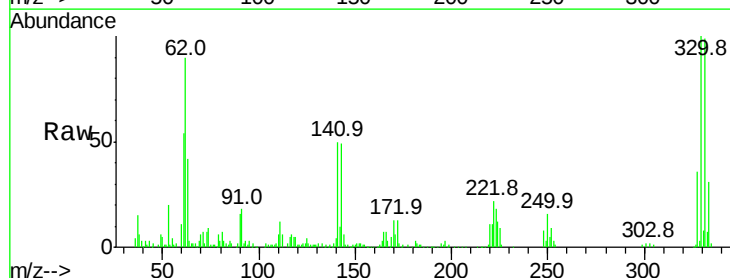


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

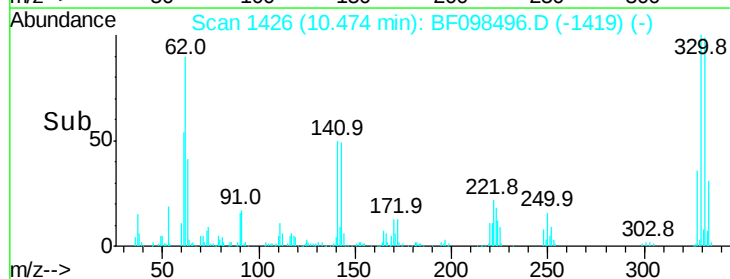
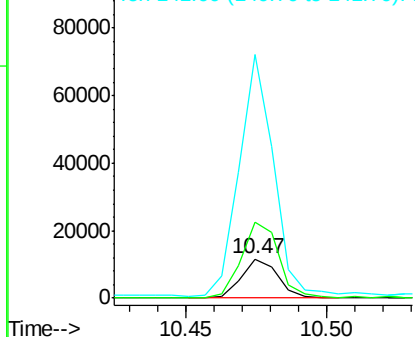


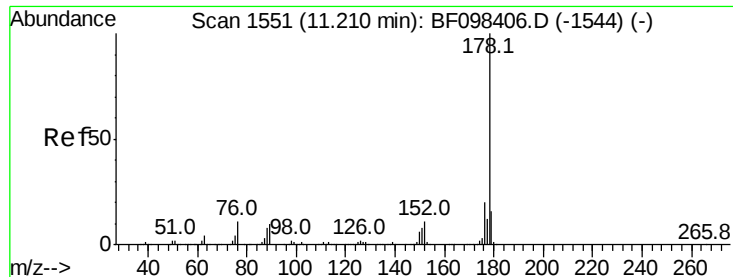
#66
 4-Bromophenyl-phenylether
 Concen: 2.052 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.26 min
 Lab File: BF098496.D
 Acq: 13 Sep 2017 18:20

Tgt Ion:248 Resp: 10298
 Ion Ratio Lower Upper
 248 100
 250 196.7 76.8 115.2#
 141 626.0 68.6 103.0#



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

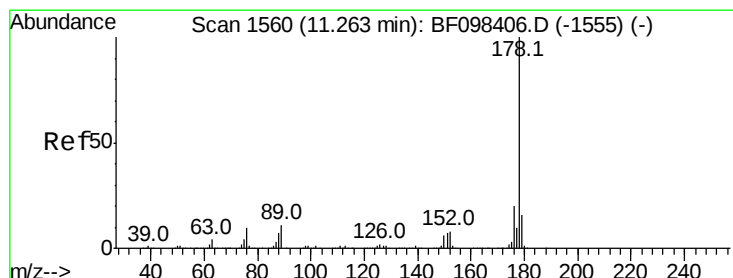
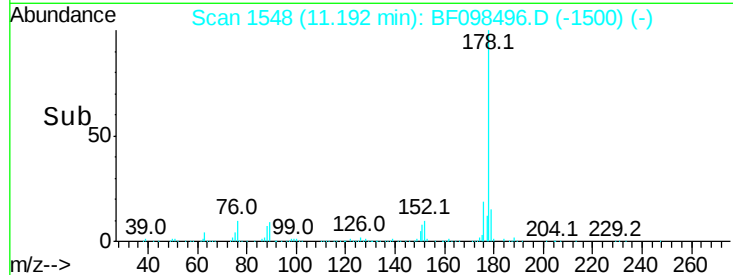
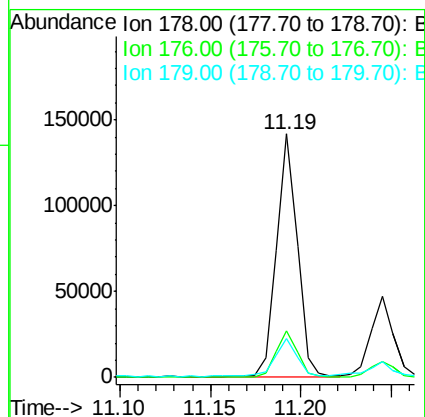
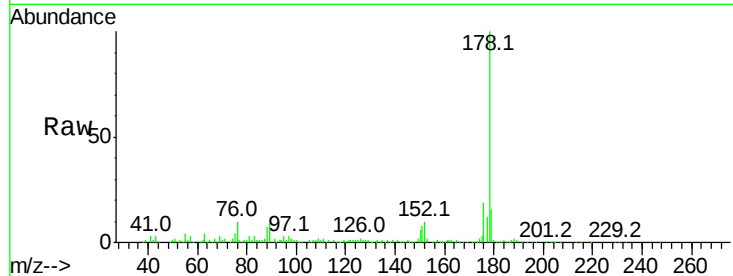




#70
Phenanthrene
Concen: 4.004 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.02 min
Lab File: BF098496.D
Acq: 13 Sep 2017 18:20

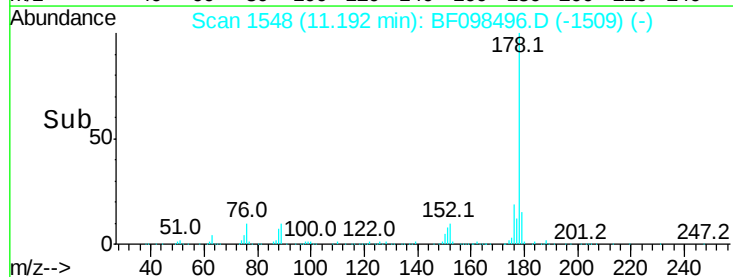
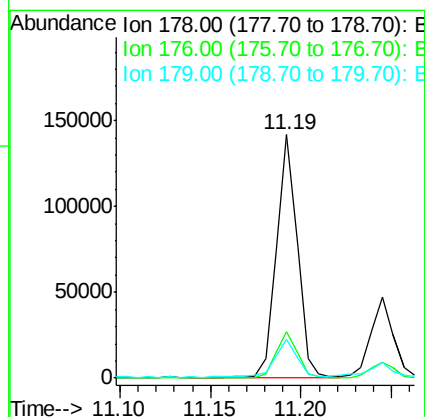
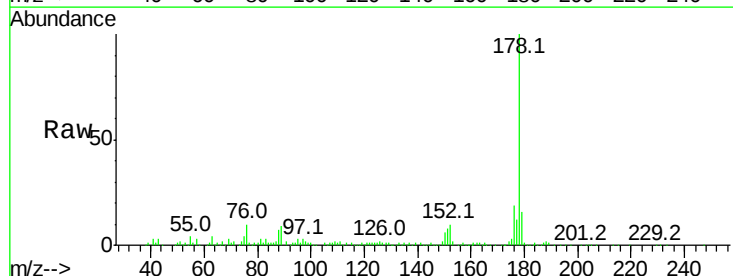
Instrument :
BNA_F
ClientSampleId :

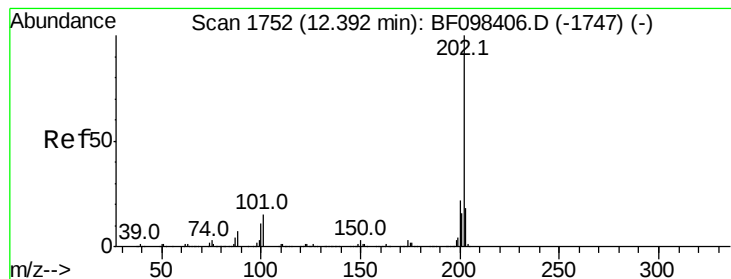
Tot Ion:178 Resp: 112204
Ion Ratio Lower Upper
178 100
176 19.3 16.2 24.4
179 15.7 12.6 19.0



#71
Anthracene
Concen: 3.899 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.07 min
Lab File: BF098496.D
Acq: 13 Sep 2017 18:20

Tgt Ion:178 Resp: 112204
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 15.7 12.7 19.1





#74

Fluoranthene

Concen: 8.298 ng

RT: 12.38 min Scan# 1750

Delta R.T. -0.01 min

Lab File: BF098496.D

Acq: 13 Sep 2017 18:20

Instrument :

BNA_F

ClientSampleId :

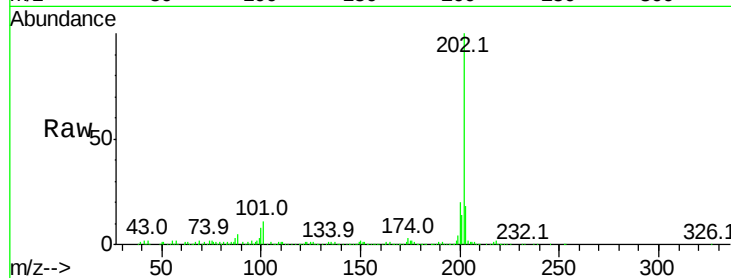
Tot Ion:202 Resp: 232816

Ion Ratio Lower Upper

202 100

101 11.0 0.0 33.2

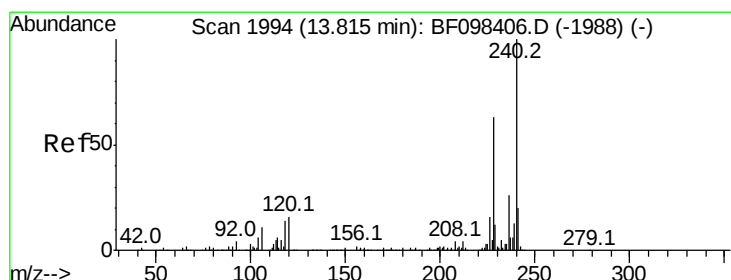
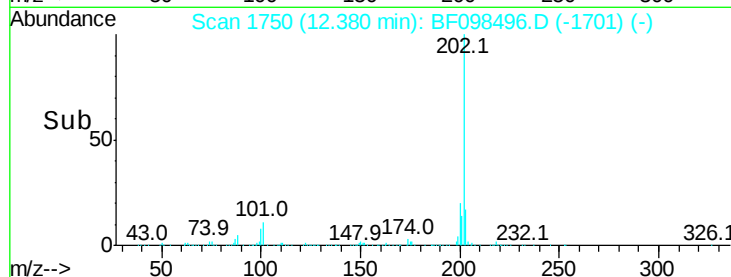
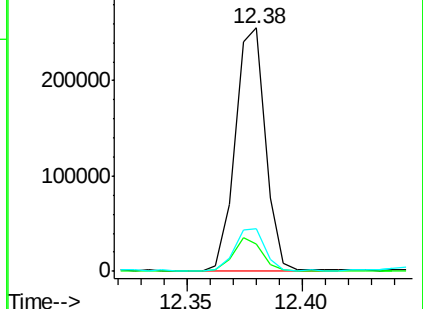
203 17.5 0.0 38.1



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.80 min Scan# 1992

Delta R.T. -0.01 min

Lab File: BF098496.D

Acq: 13 Sep 2017 18:20

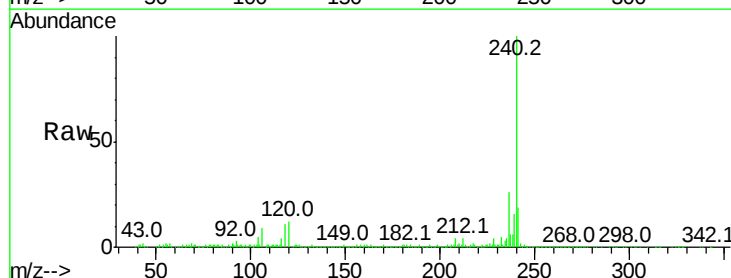
Tgt Ion:240 Resp: 381991

Ion Ratio Lower Upper

240 100

120 12.5 5.8 8.8#

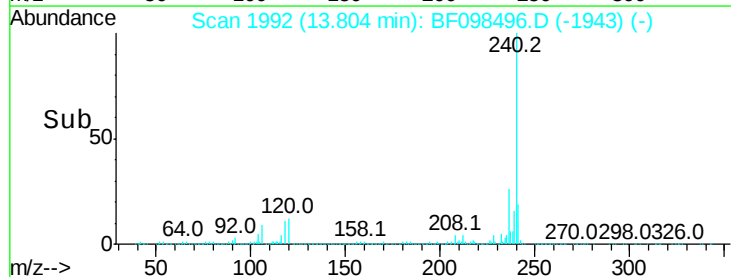
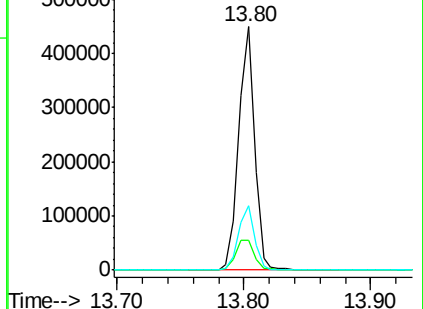
236 26.2 20.5 30.7

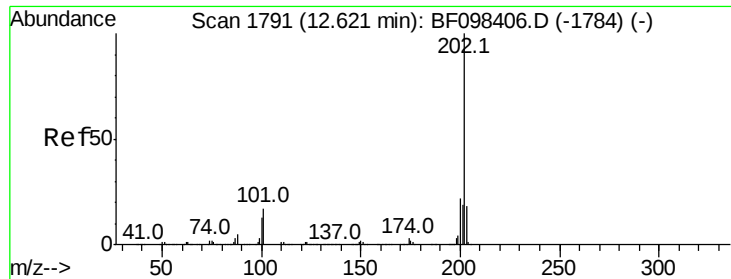


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 7.699 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.02 min

Lab File: BF098496.D

Acq: 13 Sep 2017 18:20

Instrument :

BNA_F

ClientSampleId :

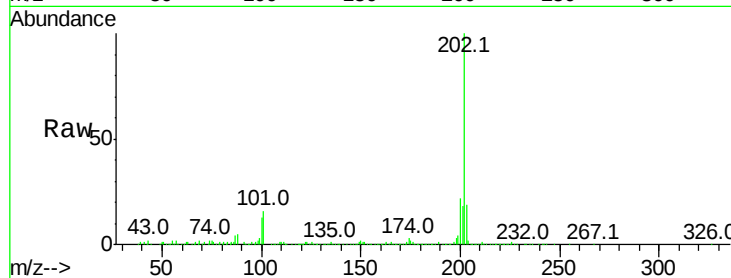
Tot Ion:202 Resp: 231990

Ion Ratio Lower Upper

202 100

200 22.1 17.6 26.4

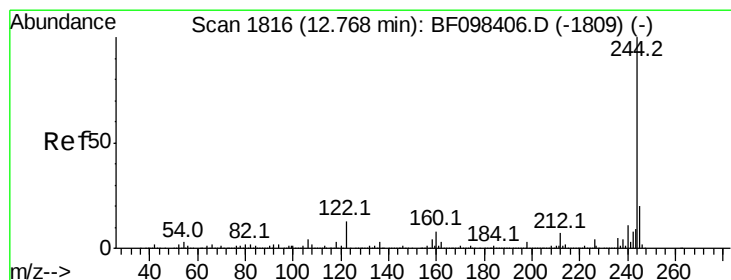
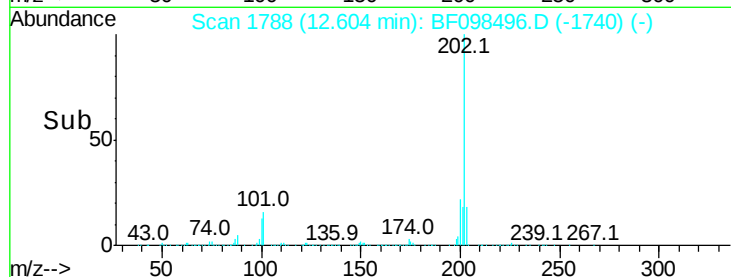
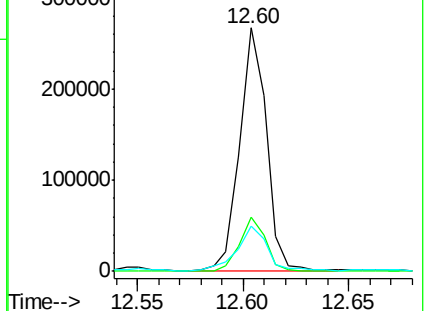
203 18.6 14.4 21.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 33.493 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.02 min

Lab File: BF098496.D

Acq: 13 Sep 2017 18:20

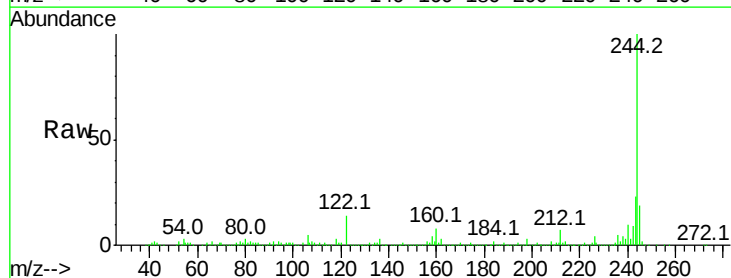
Tgt Ion:244 Resp: 592745

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

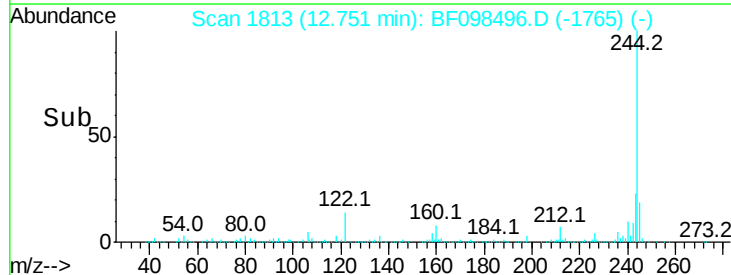
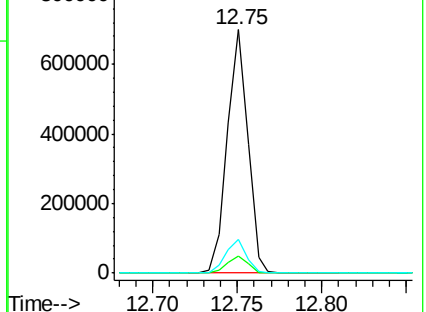
122 13.6 10.3 15.5

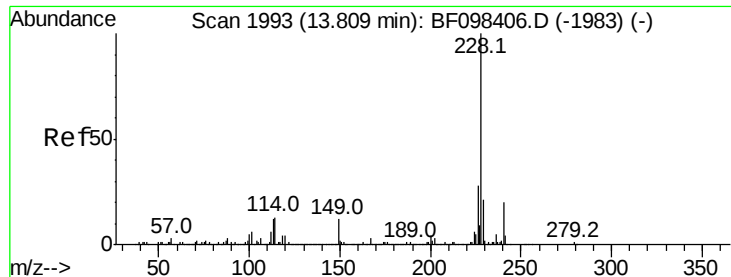


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

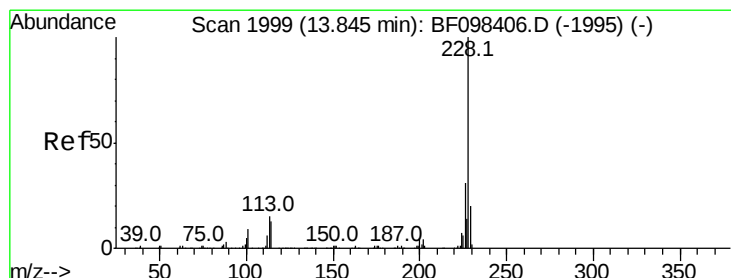
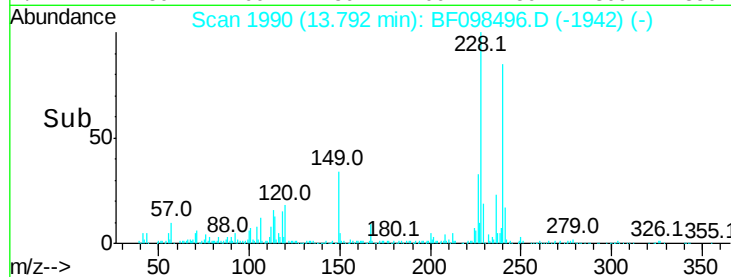
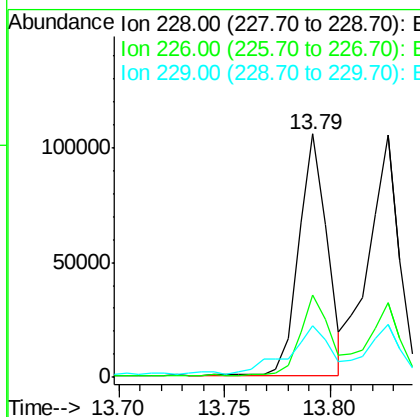
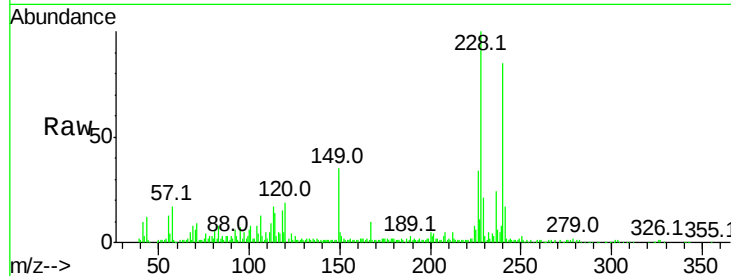




#80
Benzo(a)anthracene
Concen: 4.409 ng
RT: 13.79 min Scan# 1990
Delta R.T. -0.02 min
Lab File: BF098496.D
Acq: 13 Sep 2017 18:20

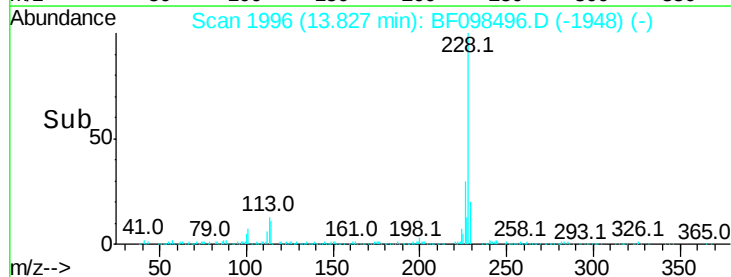
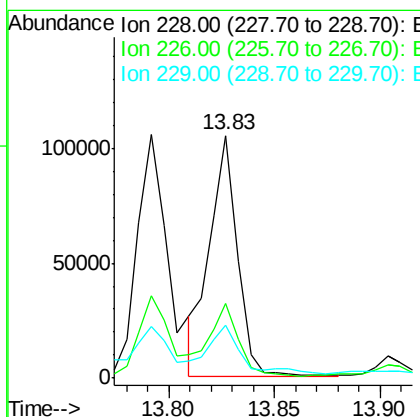
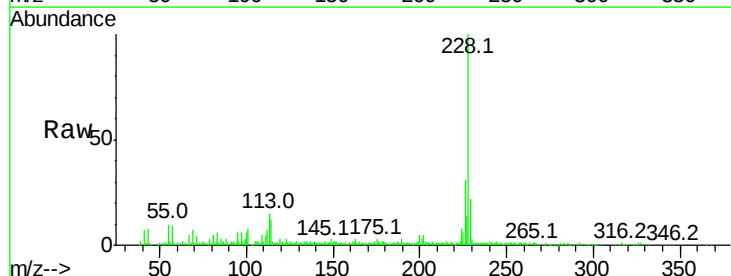
Instrument :
BNA_F
ClientSampleId :

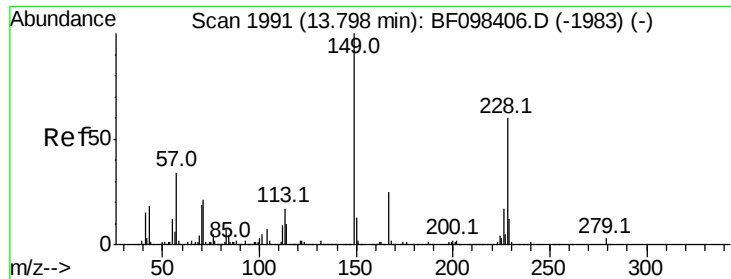
Tot Ion	Ratio	Lower	Upper
228	100		
226	33.8	22.6	33.8
229	21.4	16.3	24.5



#82
Chrysene
Concen: 4.249 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.02 min
Lab File: BF098496.D
Acq: 13 Sep 2017 18:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.9	37.3
229	21.7	15.8	23.6

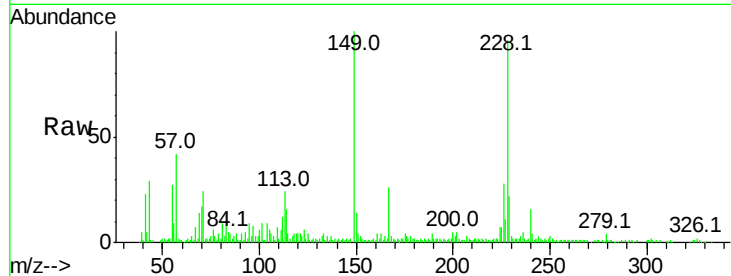




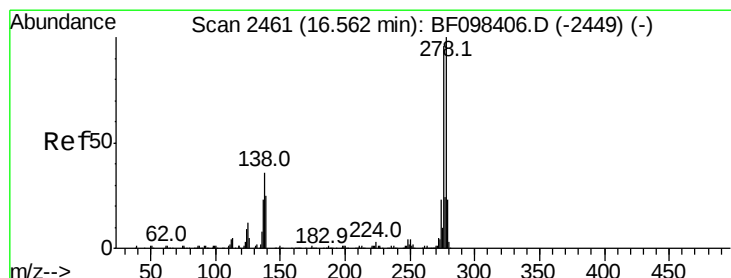
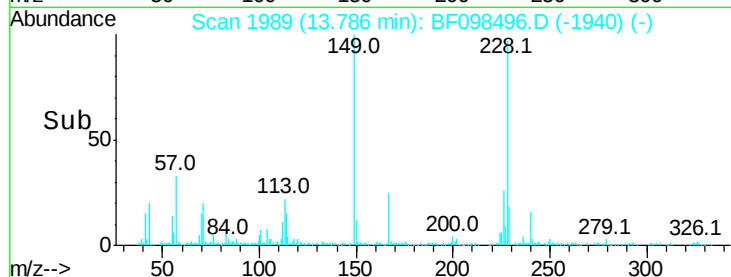
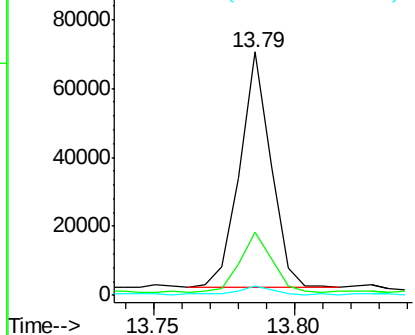
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.195 ng
 RT: 13.79 min Scan# 1989
 Delta R.T. -0.01 min
 Lab File: BF098496.D
 Acq: 13 Sep 2017 18:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:149 Resp: 52412
 Ion Ratio Lower Upper
 149 100
 167 25.7 21.0 31.4
 279 3.9 1.9 2.9#

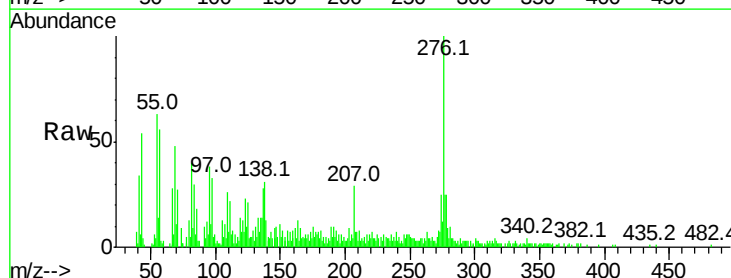


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

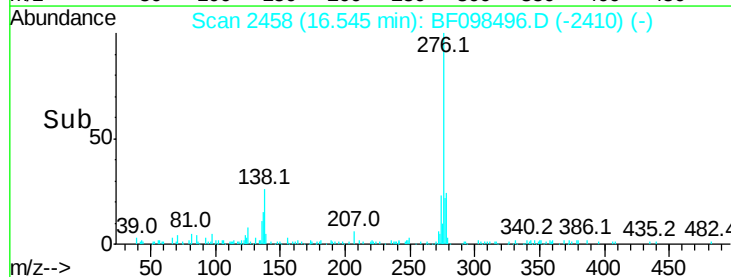
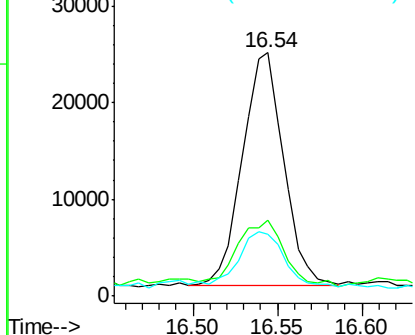


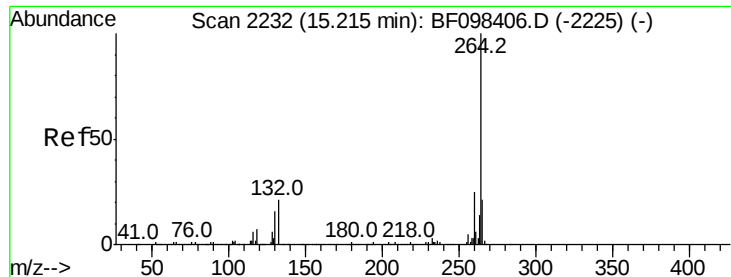
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.586 ng
 RT: 16.54 min Scan# 2458
 Delta R.T. -0.02 min
 Lab File: BF098496.D
 Acq: 13 Sep 2017 18:20

Tgt Ion:276 Resp: 41078
 Ion Ratio Lower Upper
 276 100
 138 32.3 27.8 41.6
 277 25.6 20.2 30.4



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

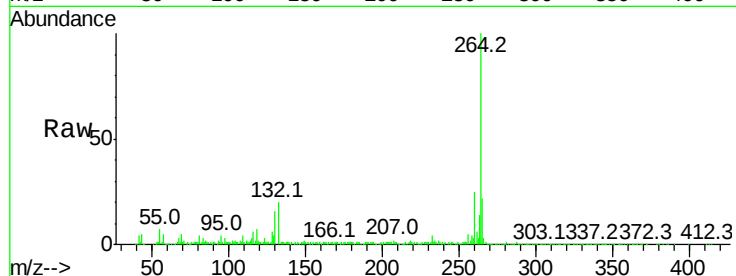




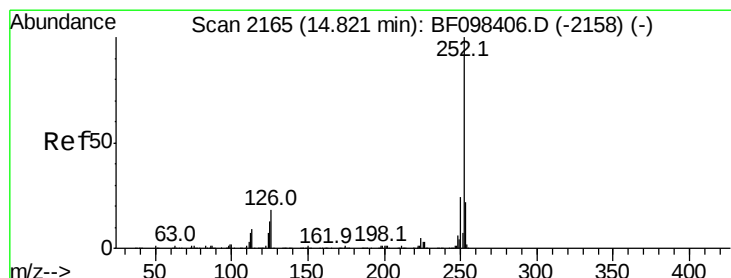
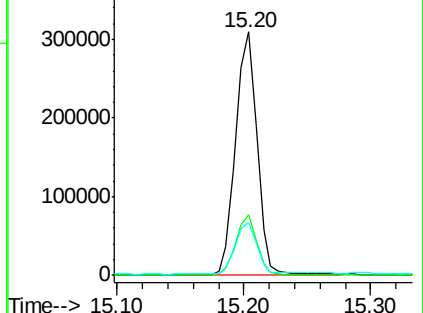
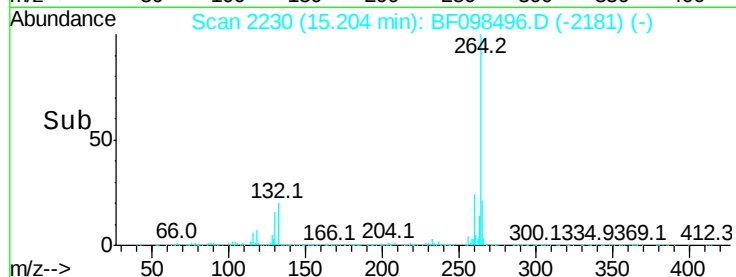
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF098496.D
Acq: 13 Sep 2017 18:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 359712
Ion Ratio Lower Upper
264 100
260 24.8 19.5 29.3
265 21.7 17.2 25.8

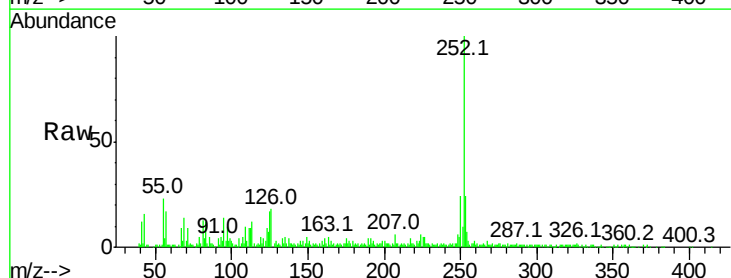


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

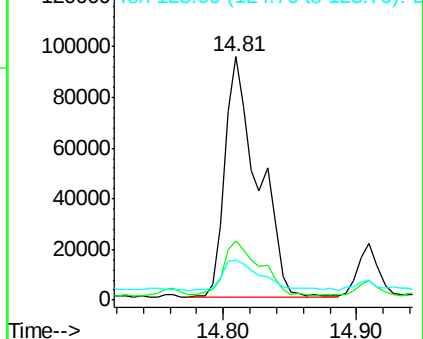
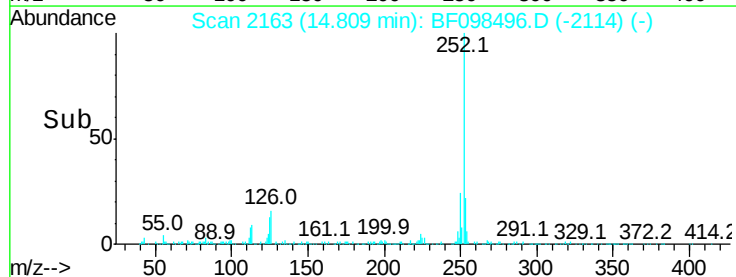


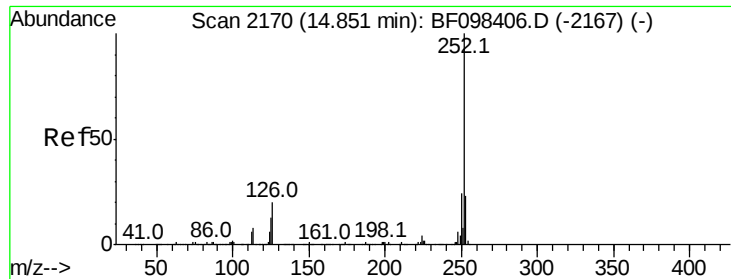
#87
Benzo(b)fluoranthene
Concen: 7.276 ng
RT: 14.81 min Scan# 2163
Delta R.T. -0.01 min
Lab File: BF098496.D
Acq: 13 Sep 2017 18:20

Tgt Ion:252 Resp: 164570
Ion Ratio Lower Upper
252 100
253 24.2 18.1 27.1
125 16.7 9.8 14.8#



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

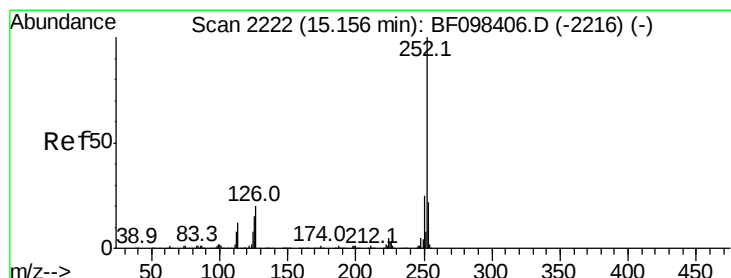
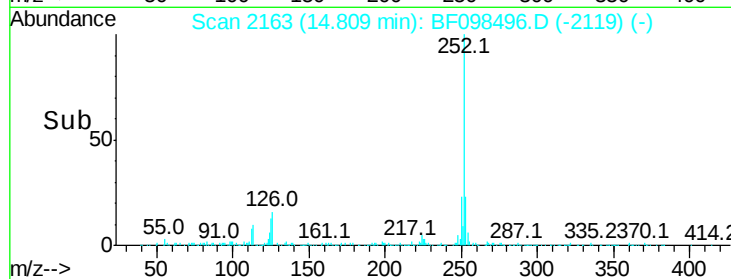
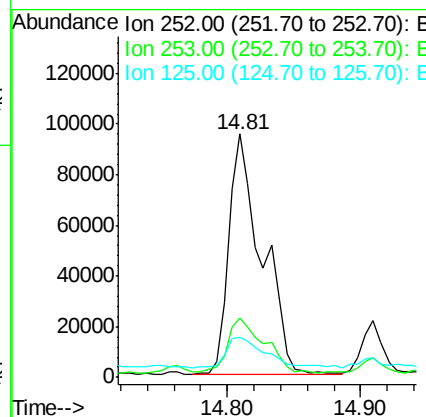
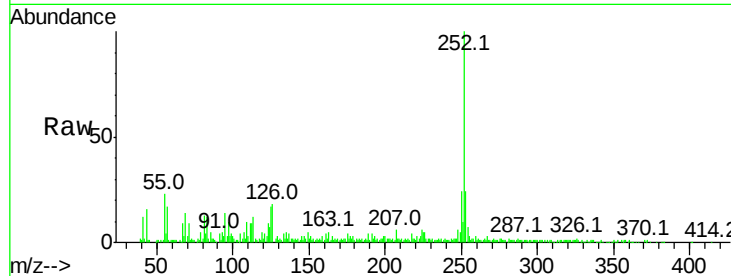




#88
Benzo(k)fluoranthene
Concen: 7.794 ng
RT: 14.81 min Scan# 2163
Delta R.T. -0.04 min
Lab File: BF098496.D
Acq: 13 Sep 2017 18:20

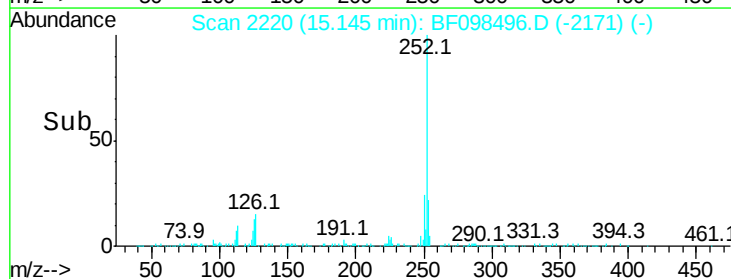
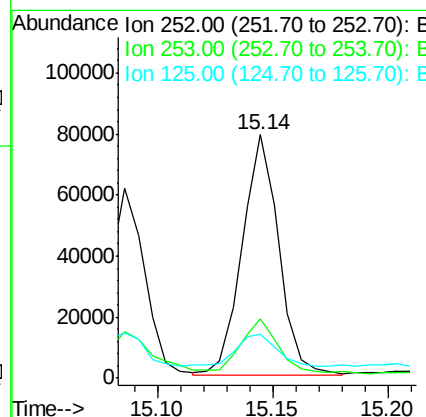
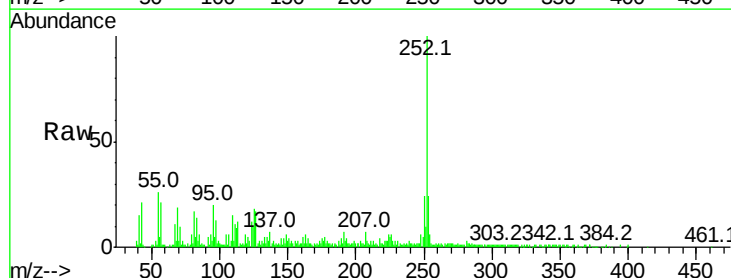
Instrument :
BNA_F
ClientSampleId :

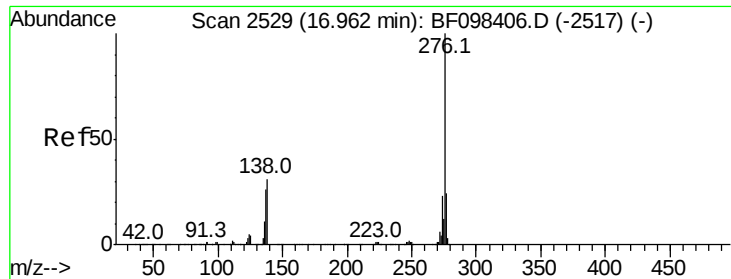
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.4	27.6
125	16.7	13.1	19.7



#89
Benzo(a)pyrene
Concen: 4.317 ng
RT: 15.14 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF098496.D
Acq: 13 Sep 2017 18:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.5	26.3
125	18.0	11.0	16.4





#91

Benzo(a,h,i)perylene

Concen: 2.969 ng

RT: 16.94 min Scan# 2526

Delta R.T. -0.02 min

Lab File: BF098496.D

Acq: 13 Sep 2017 18:20

Instrument :

BNA_F

ClientSampleId :

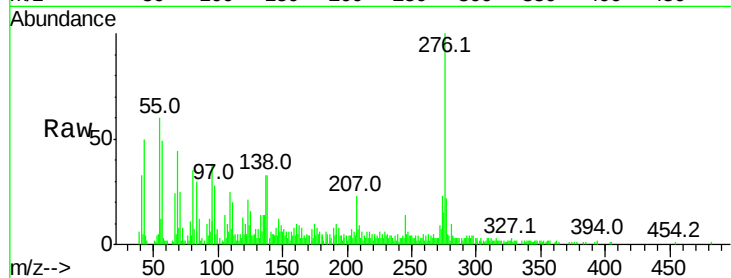
Tot Ion:276 Resp: 43778

Ion Ratio Lower Upper

276 100

277 22.2 18.6 28.0

138 33.2 25.4 38.0



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

