

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
 Data File : BF103212.D
 Acq On : 26 Feb 2018 12:21
 Operator : SJ/JU
 Sample : J1648-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 26 13:21:27 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 02:43:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	155414	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	632276	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	258563	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	366135	20.00	ng	0.00
75) Chrysene-d12	14.04	240	269462	20.00	ng	0.00
86) Perylene-d12	15.54	264	284849	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	1030599	100.29	ng	0.00
7) Phenol-d6	6.50	99	1202030	95.60	ng	0.00
23) Nitrobenzene-d5	7.43	82	796496	71.94	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	189826	86.73	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1062161	67.29	ng	0.00
78) Terphenyl-d14	12.98	244	707220	63.09	ng	0.00

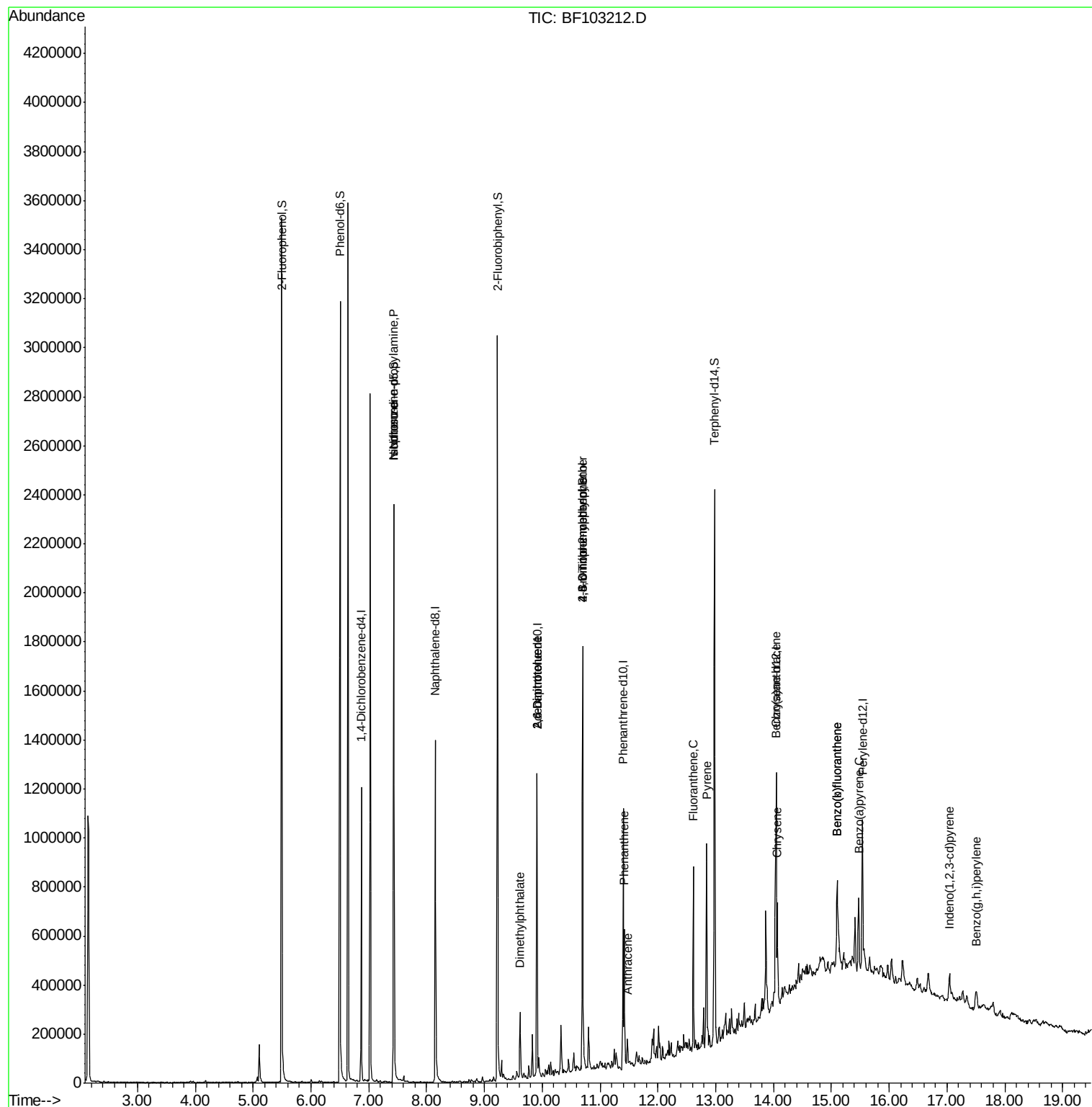
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.43	70	105593	13.493	ng	# 81
25) Isophorone	7.43	82	796491	36.527	ng	# 64
49) Dimethylphthalate	9.62	163	92526	4.461	ng	99
50) 2,6-Dinitrotoluene	9.90	165	34377	7.898	ng	# 25
56) 2,4-Dinitrotoluene	9.90	165	34377	6.244	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	336	5.081	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	12651	3.317	ng	# 1
70) Phenanthrene	11.42	178	186895	9.275	ng	98
71) Anthracene	11.47	178	46855	2.268	ng	99
74) Fluoranthene	12.61	202	291160	14.380	ng	97
77) Pyrene	12.84	202	329415	15.680	ng	99
80) Benzo(a)anthracene	14.03	228	176058	10.070	ng	98
82) Chrysene	14.07	228	144573	8.516	ng	96
85) Indeno(1,2,3-cd)pyrene	17.04	276	68288	5.081	ng	97
87) Benzo(b)fluoranthene	15.10	252	270013	14.417	ng	# 95
88) Benzo(k)fluoranthene	15.10	252	270013	15.310	ng	98
89) Benzo(a)pyrene	15.47	252	143947	8.607	ng	# 93
91) Benzo(a,h,i)perylene	17.50	276	64484	5.105	ng	93

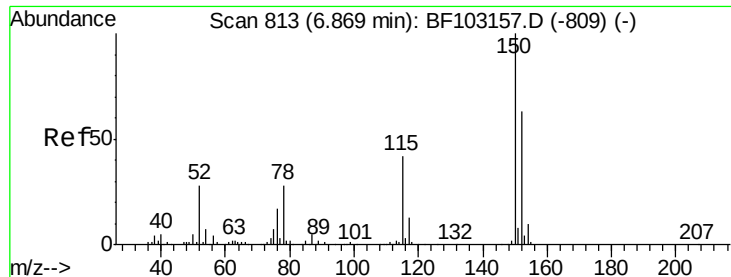
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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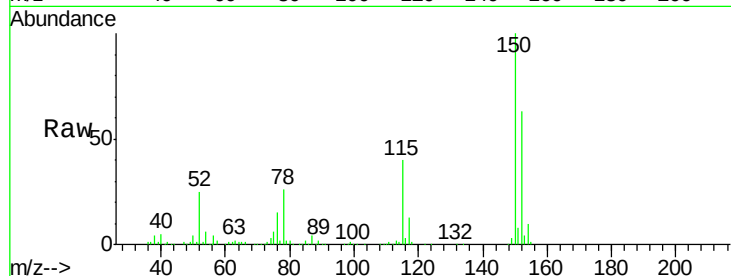


#1

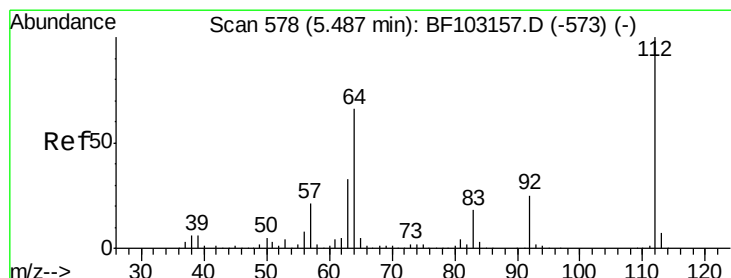
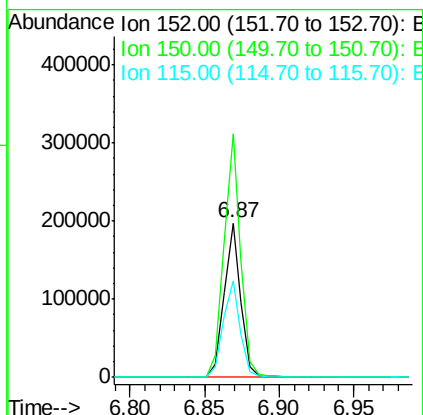
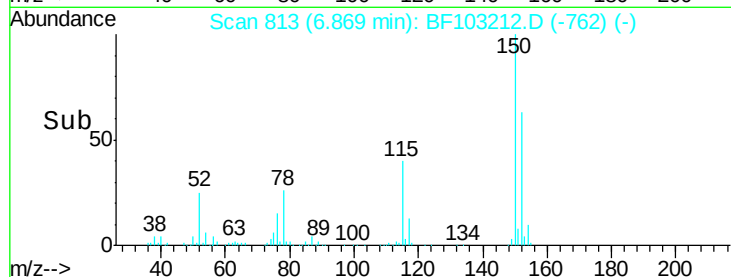
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF103212.D
Acq: 26 Feb 2018 12:21

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 155414
Ion Ratio Lower Upper
152 100
150 157.6 124.6 186.8
115 62.8 50.1 75.1



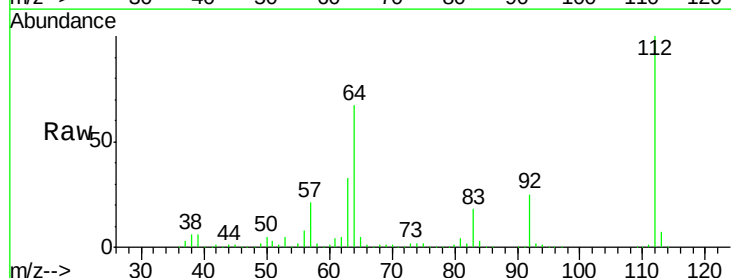
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



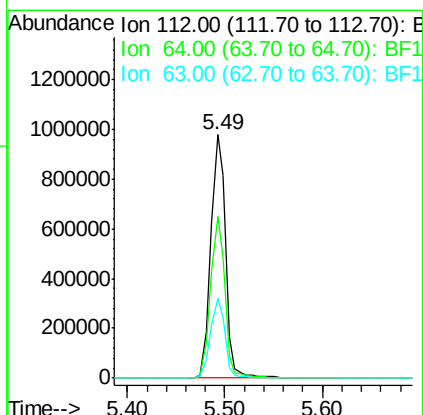
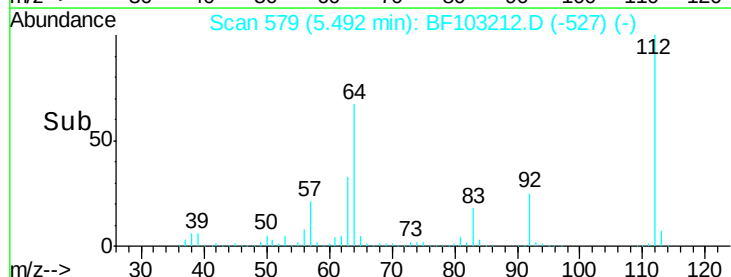
#5

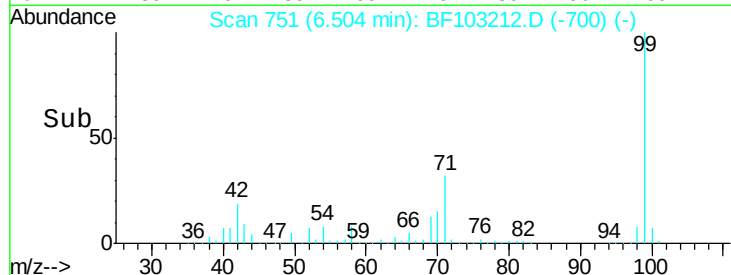
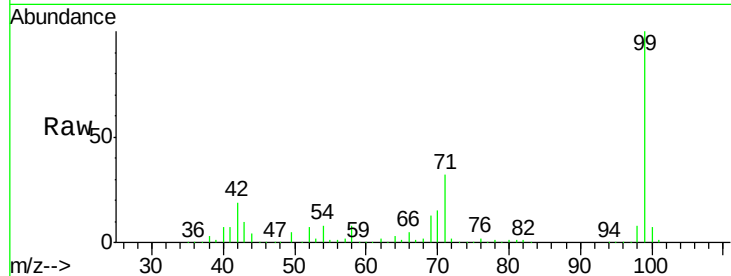
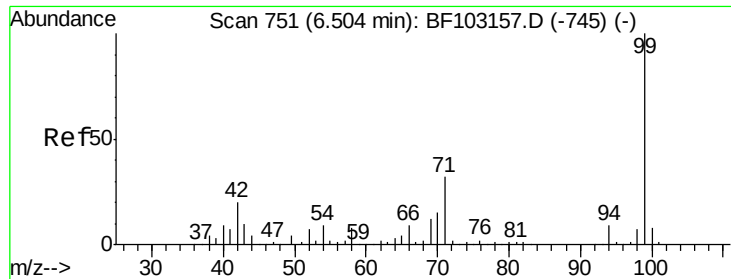
2-Fluorophenol
Concen: 100.294 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF103212.D
Acq: 26 Feb 2018 12:21

Tgt Ion:112 Resp: 1030599
Ion Ratio Lower Upper
112 100
64 66.5 47.9 71.9
63 33.0 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: 95.597 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF103212.D

Acq: 26 Feb 2018 12:21

Instrument :

BNA_F

ClientSampled :

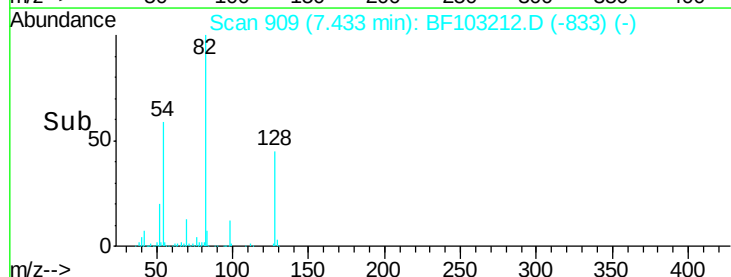
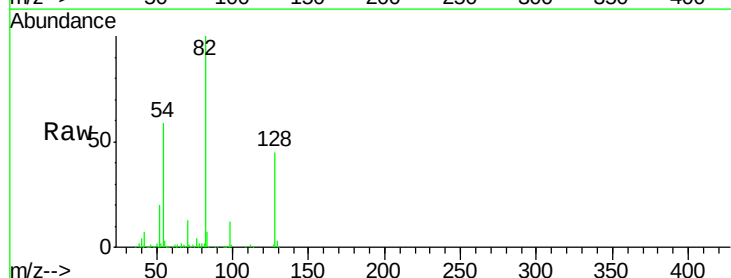
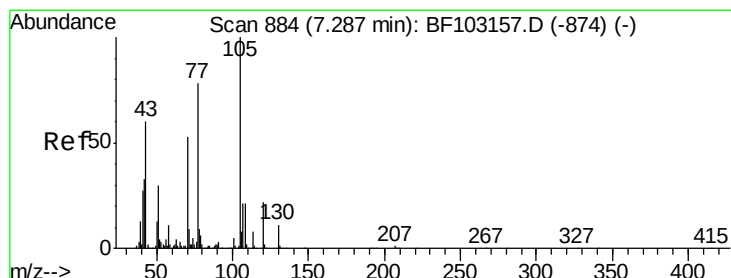
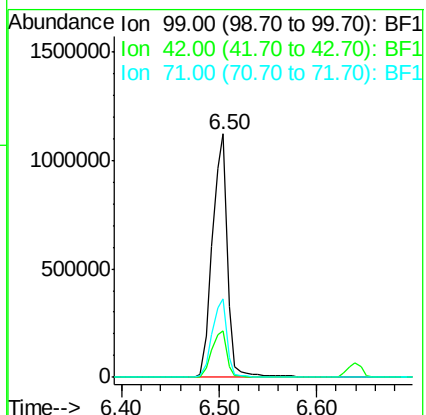
Tot Ion: 99 Resp: 1202030

Ion Ratio Lower Upper

99 100

42 19.0 14.5 21.7

71 32.2 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 13.493 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.15 min

Lab File: BF103212.D

Acq: 26 Feb 2018 12:21

Tgt Ion: 70 Resp: 105593

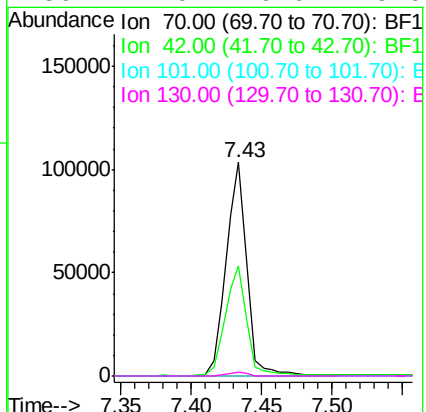
Ion Ratio Lower Upper

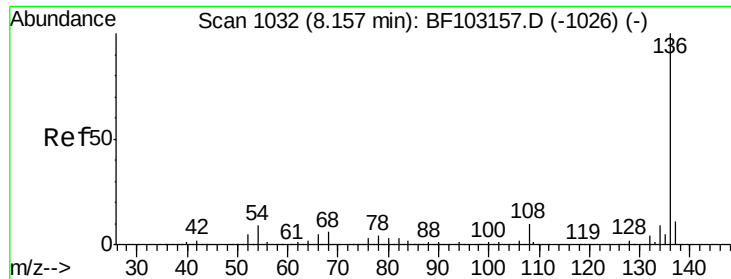
70 100

42 51.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

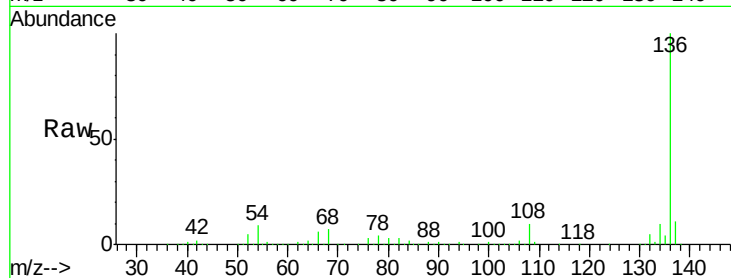




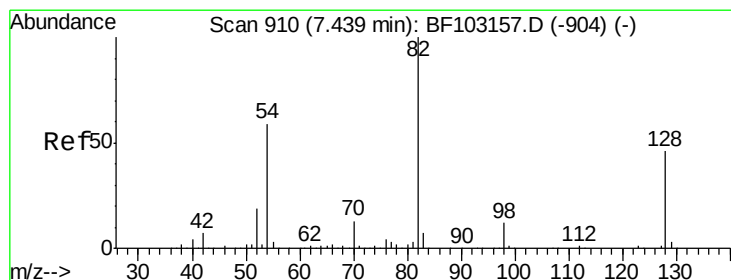
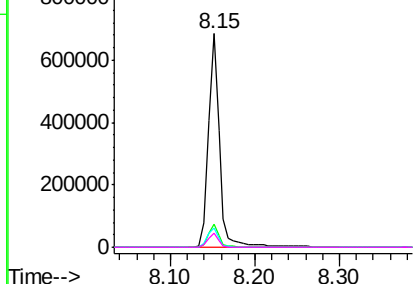
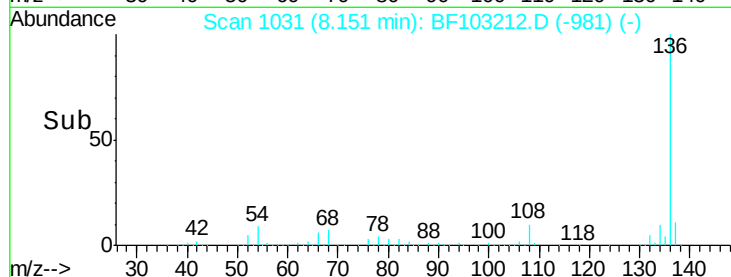
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF103212.D
Acq: 26 Feb 2018 12:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	632276
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.9 13.3
54	9.1	6.6 9.8
68	6.6	5.0 7.4

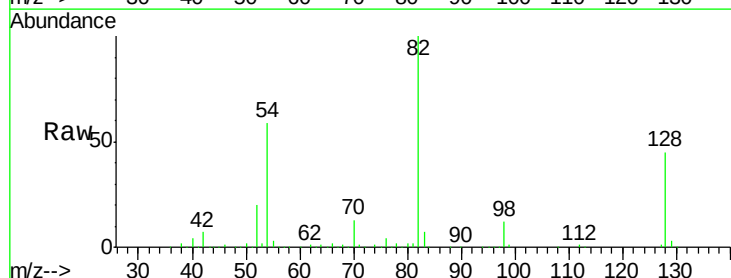


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

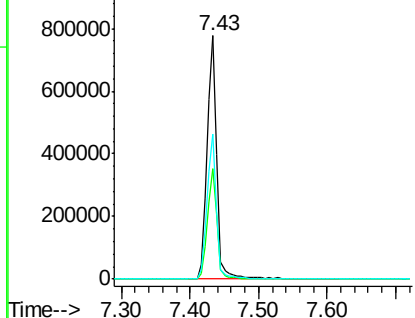
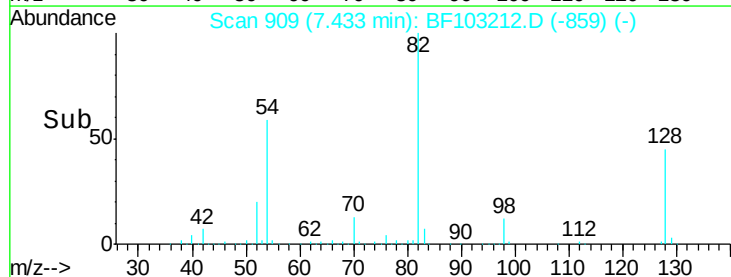


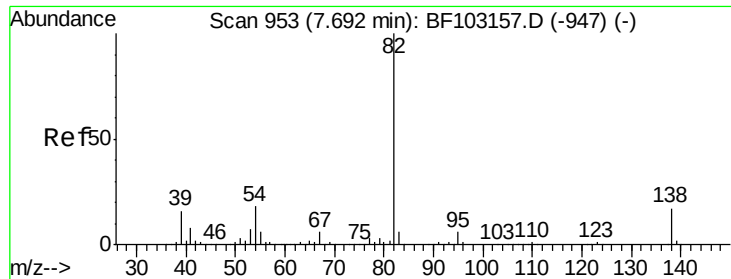
#23
Nitrobenzene-d5
Concen: 71.941 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF103212.D
Acq: 26 Feb 2018 12:21

Tgt Ion: 82	Resp:	796496
Ion Ratio	Lower	Upper
82	100	
128	45.5	36.1 54.1
54	59.4	41.4 62.2



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





#25

Isophorone

Concen: 36.527 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.26 min

Lab File: BF103212.D

Acq: 26 Feb 2018 12:21

Instrument :

BNA_F

ClientSampleId :

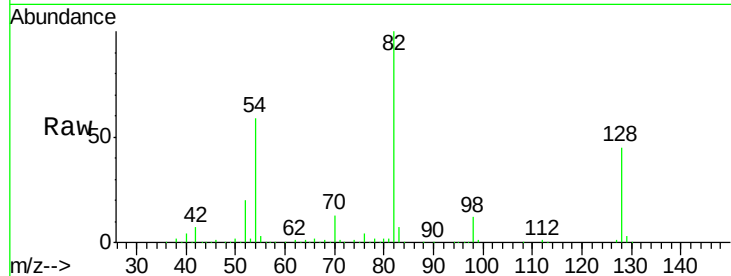
Tot Ion: 82 Resp: 796491

Ion Ratio Lower Upper

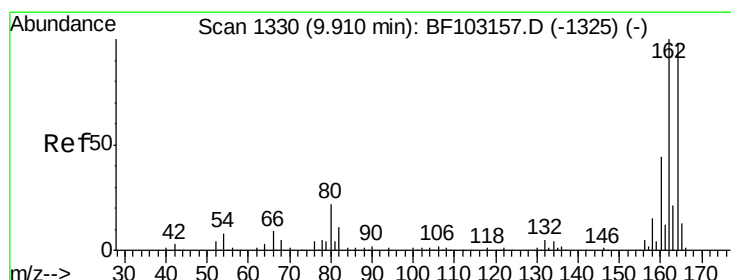
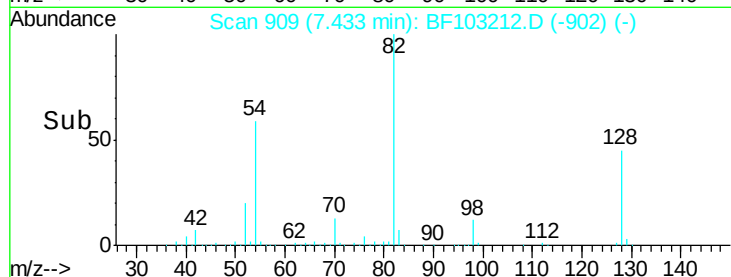
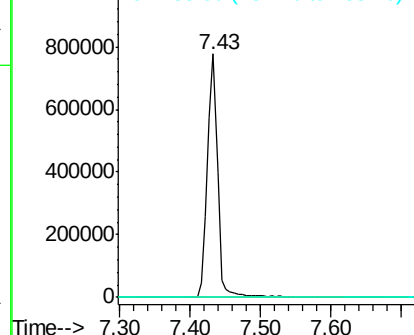
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.00 min

Lab File: BF103212.D

Acq: 26 Feb 2018 12:21

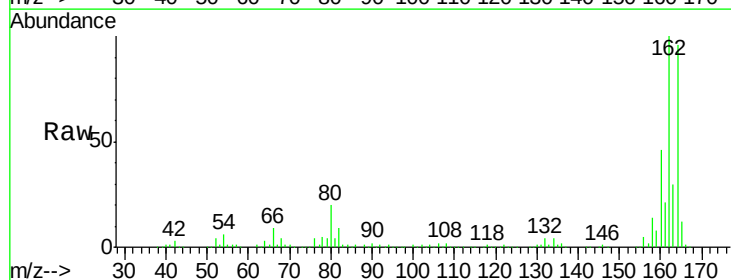
Tgt Ion: 164 Resp: 258563

Ion Ratio Lower Upper

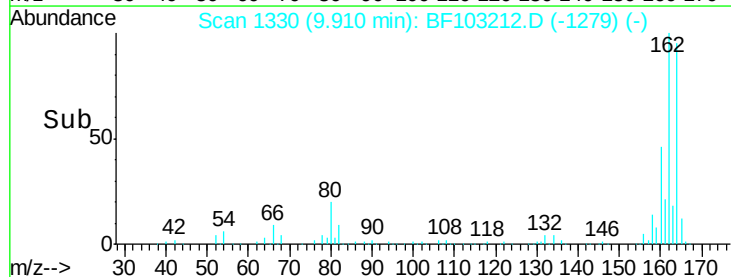
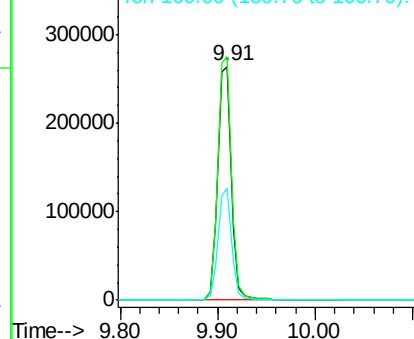
164 100

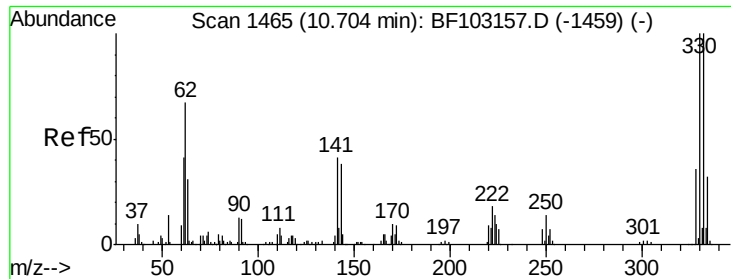
162 104.2 86.1 129.1

160 47.8 38.3 57.5



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

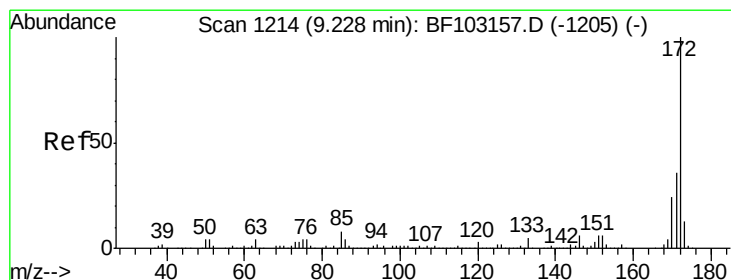
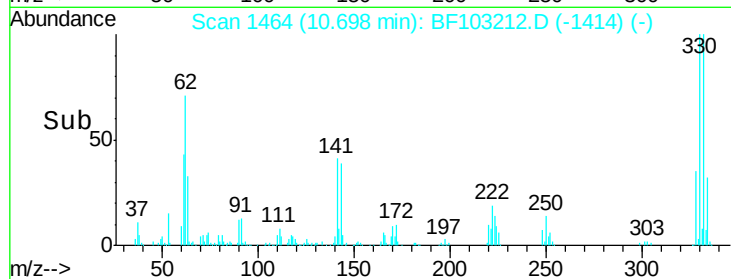
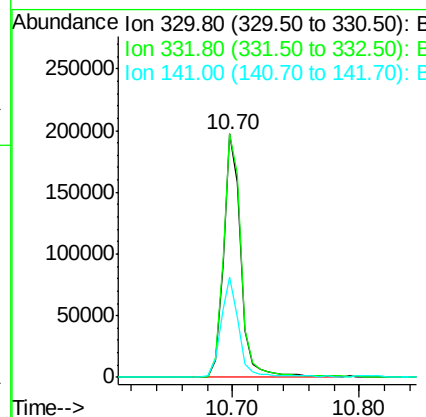
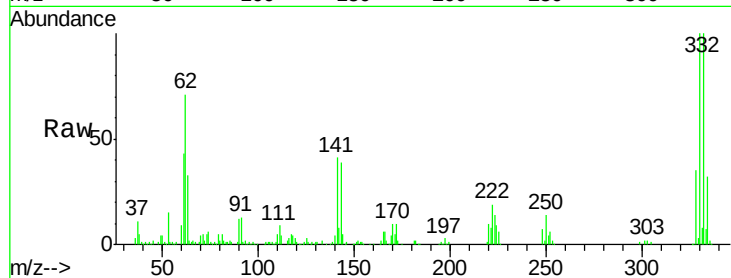




#41
 2,4,6-Tribromophenol
 Concen: 86.734 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF103212.D
 Acq: 26 Feb 2018 12:21

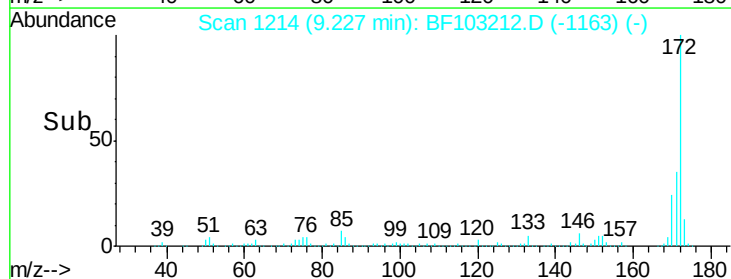
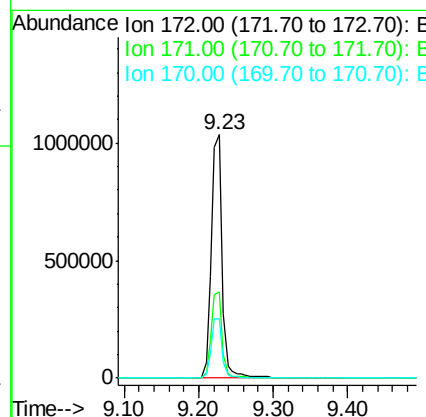
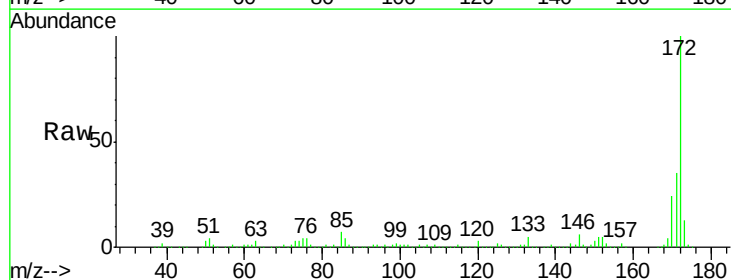
Instrument :
 BNA_F
 ClientSampleId :

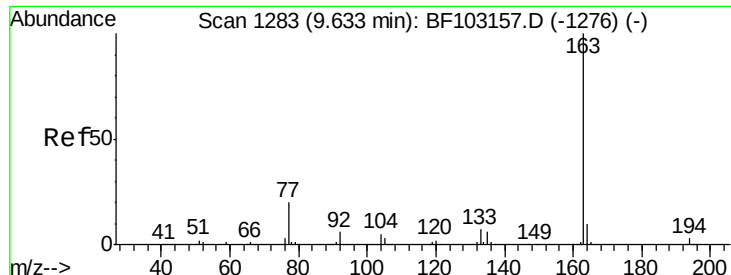
Tot Ion:330 Resp: 189826
 Ion Ratio Lower Upper
 330 100
 332 102.8 77.0 115.6
 141 43.8 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 67.293 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: BF103212.D
 Acq: 26 Feb 2018 12:21

Tgt Ion:172 Resp: 1062161
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.7 44.5
 170 24.2 19.6 29.4

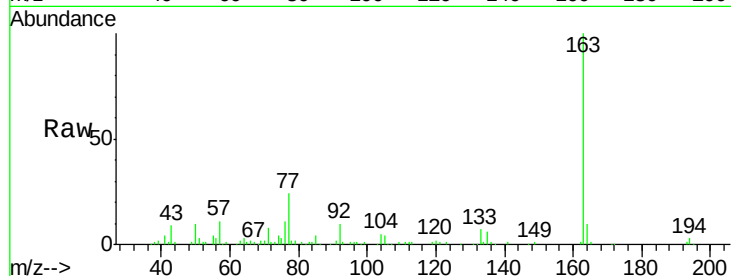




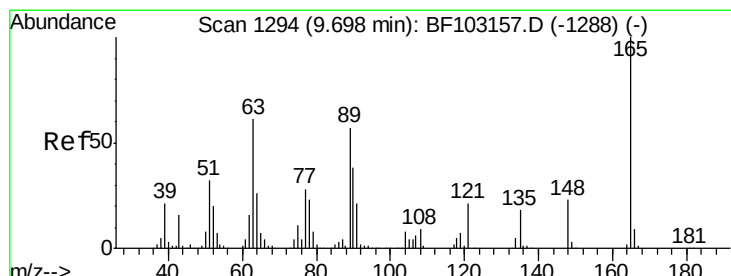
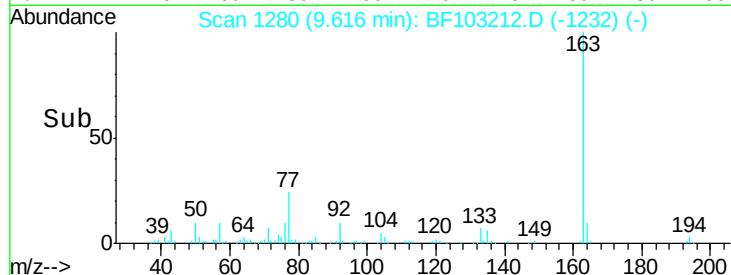
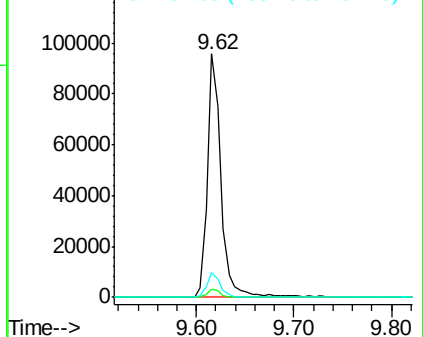
#49
Dimethylphthalate
Concen: 4.461 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BF103212.D
Acq: 26 Feb 2018 12:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 92526
Ion Ratio Lower Upper
163 100
194 3.1 2.7 4.1
164 9.9 8.2 12.2

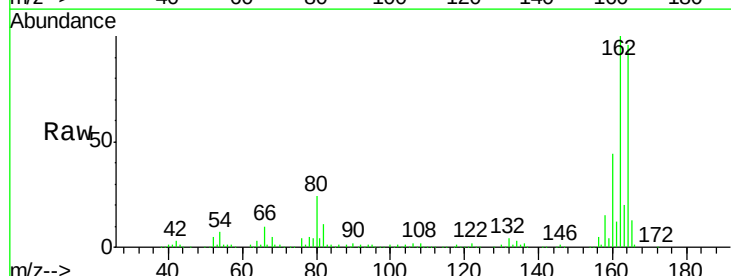


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

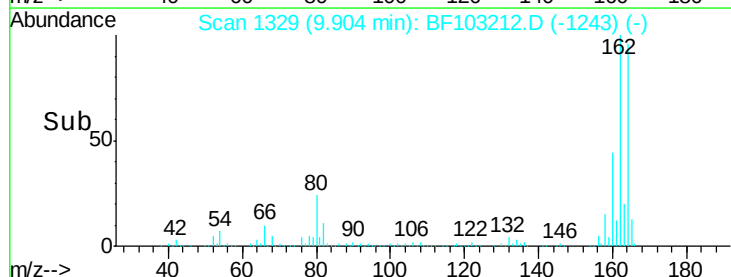
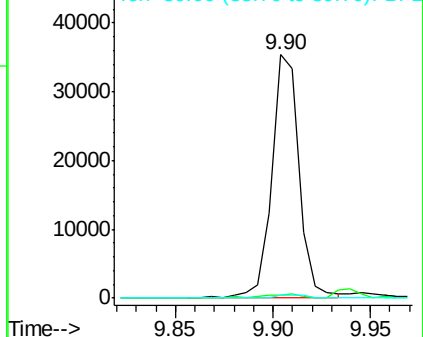


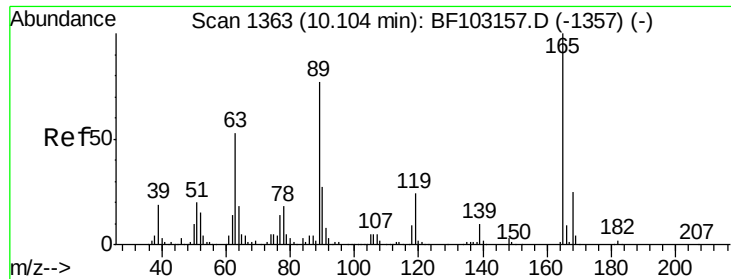
#50
2,6-Dinitrotoluene
Concen: 7.898 ng
RT: 9.90 min Scan# 1329
Delta R.T. 0.21 min
Lab File: BF103212.D
Acq: 26 Feb 2018 12:21

Tgt Ion:165 Resp: 34377
Ion Ratio Lower Upper
165 100
63 1.3 44.7 67.1#
89 1.3 44.0 66.0#



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

2,4-Dinitrotoluene

Concen: 6.244 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.20 min

Lab File: BF103212.D

Acq: 26 Feb 2018 12:21

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 34377

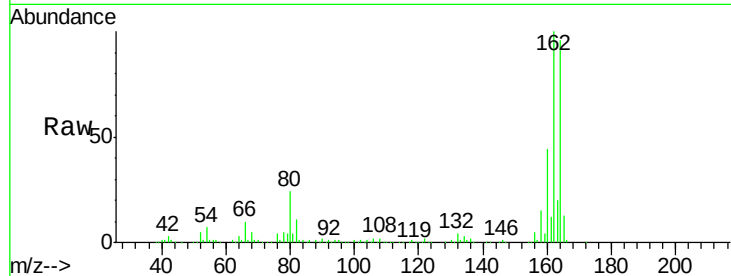
Ion Ratio Lower Upper

165 100

63 1.3 36.4 54.6#

89 1.3 57.8 86.6#

182 0.0 1.6 2.4#

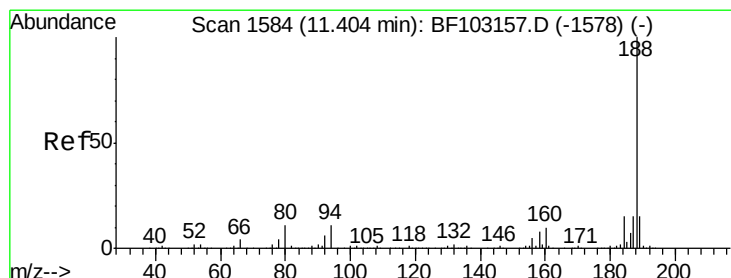
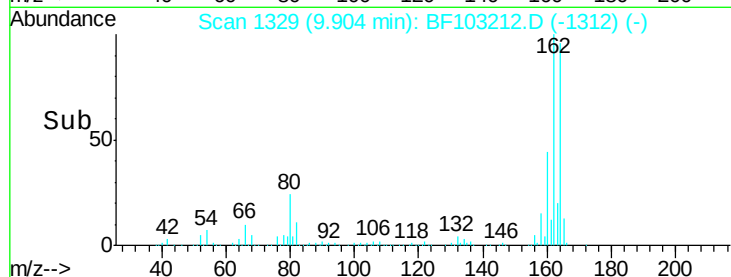
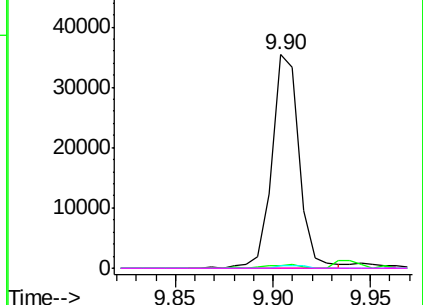


Abundance Ion 165.00 (164.70 to 165.70): E

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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF103212.D

Acq: 26 Feb 2018 12:21

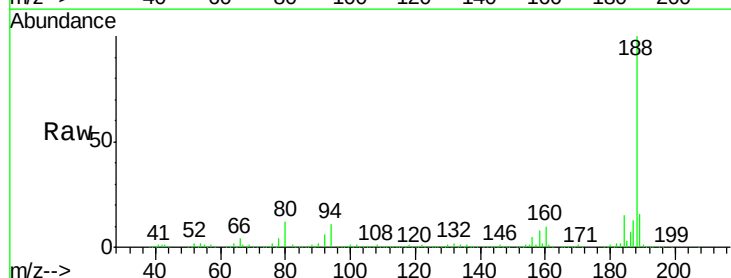
Tgt Ion:188 Resp: 366135

Ion Ratio Lower Upper

188 100

94 11.4 8.5 12.7

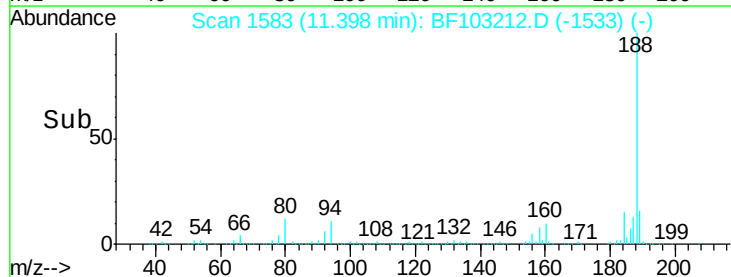
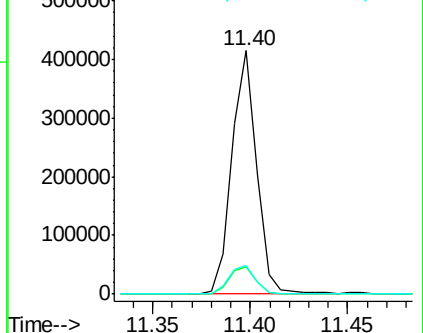
80 11.8 9.2 13.8

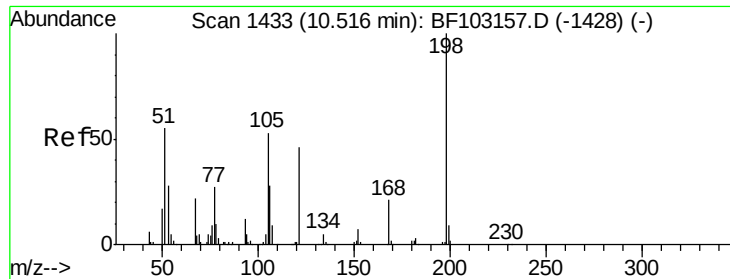


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

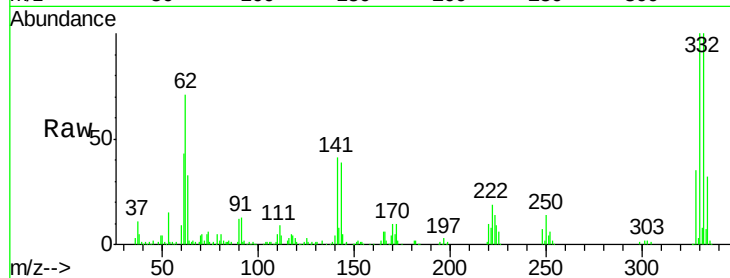




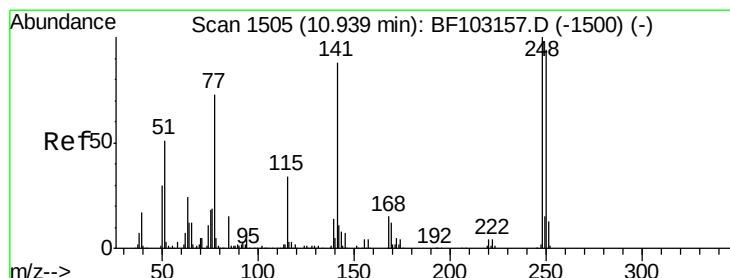
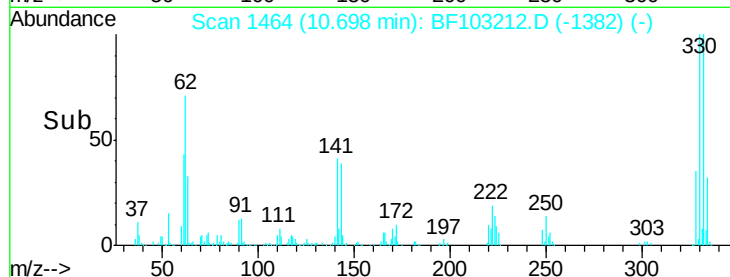
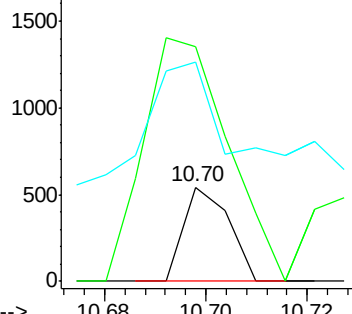
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.081 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.18 min
 Lab File: BF103212.D
 Acq: 26 Feb 2018 12:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 336
 Ion Ratio Lower Upper
 198 100
 51 248.5 37.7 77.7#
 105 232.5 36.3 76.3#

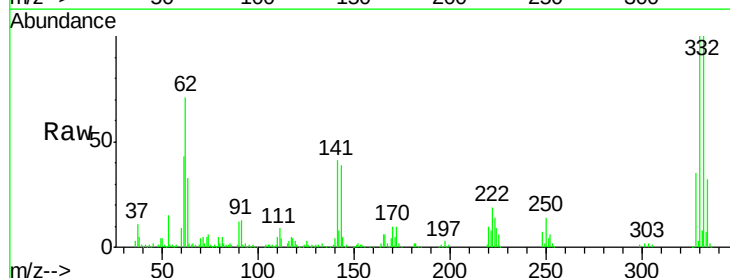


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

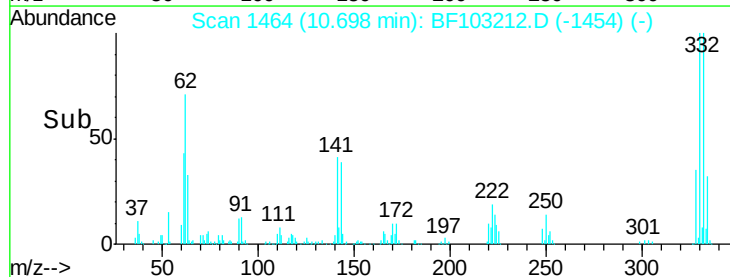
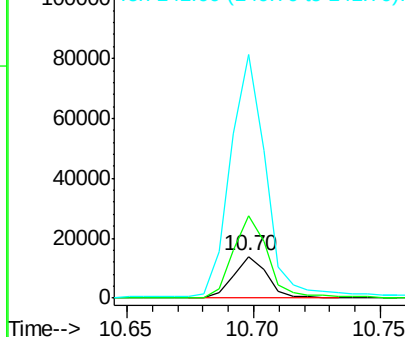


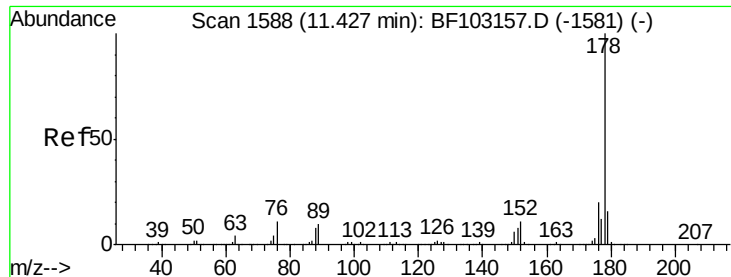
#66
 4-Bromophenyl-phenylether
 Concen: 3.317 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.24 min
 Lab File: BF103212.D
 Acq: 26 Feb 2018 12:21

Tgt Ion:248 Resp: 12651
 Ion Ratio Lower Upper
 248 100
 250 197.4 76.9 115.3#
 141 582.9 74.4 111.6#



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

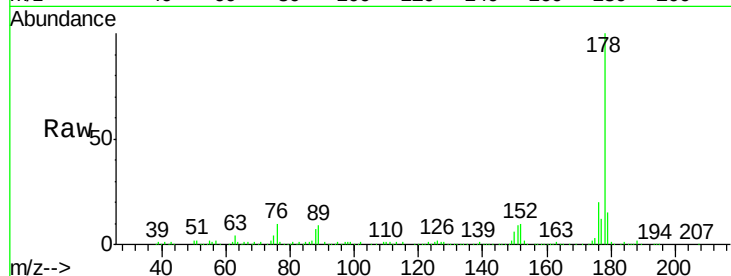




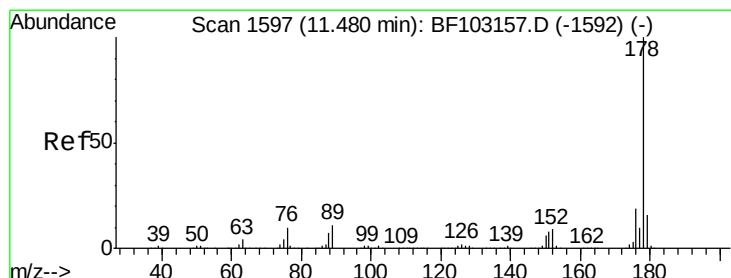
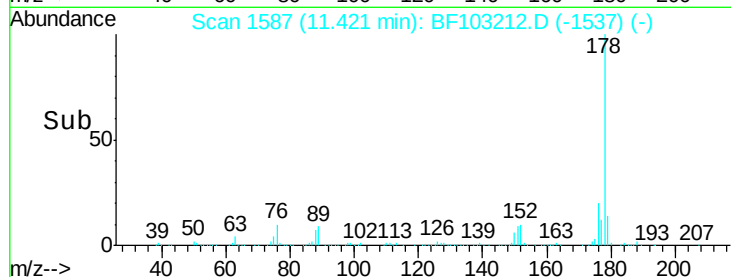
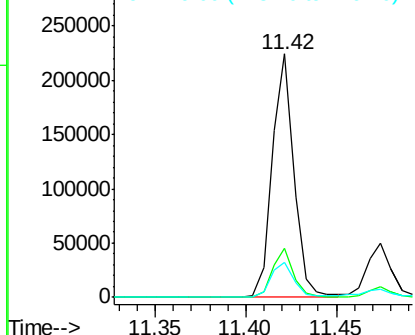
#70
Phenanthrene
Concen: 9.275 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF103212.D
Acq: 26 Feb 2018 12:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.8
179	14.5	13.0	19.6

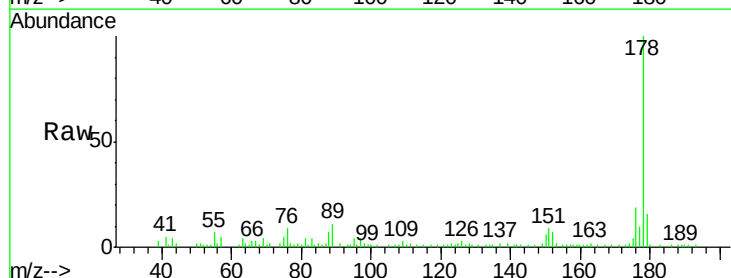


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

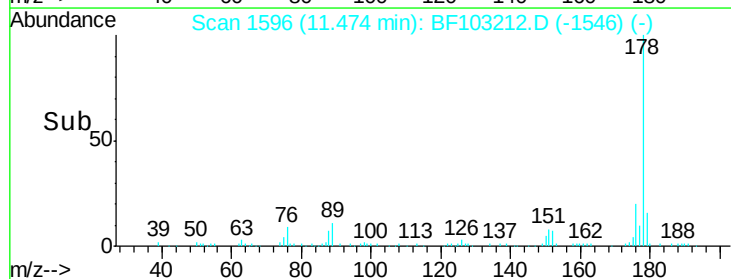
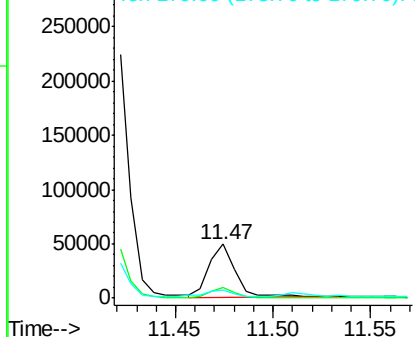


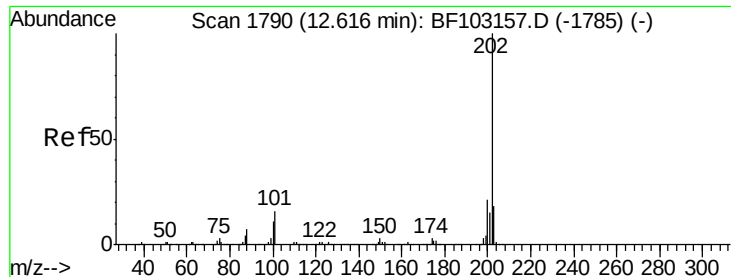
#71
Anthracene
Concen: 2.268 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.01 min
Lab File: BF103212.D
Acq: 26 Feb 2018 12:21

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	16.2	12.6	19.0



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

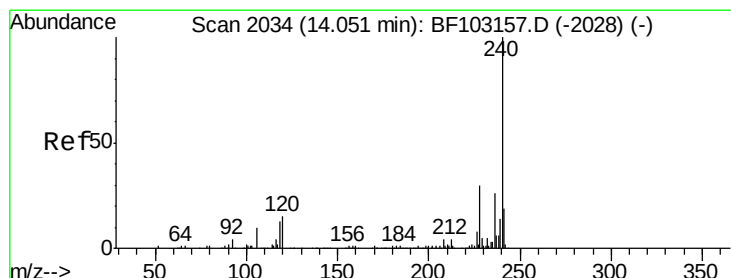
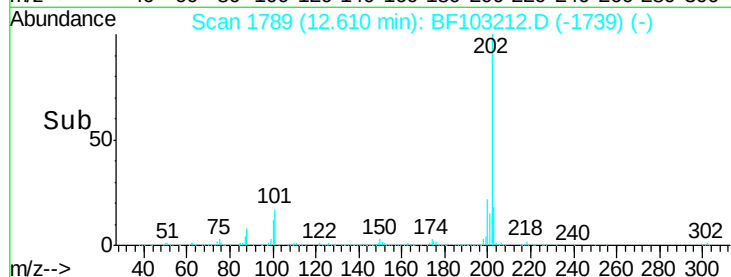
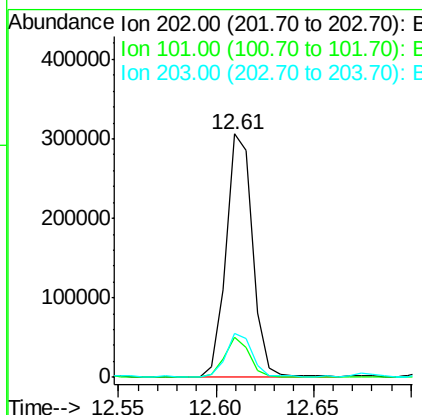
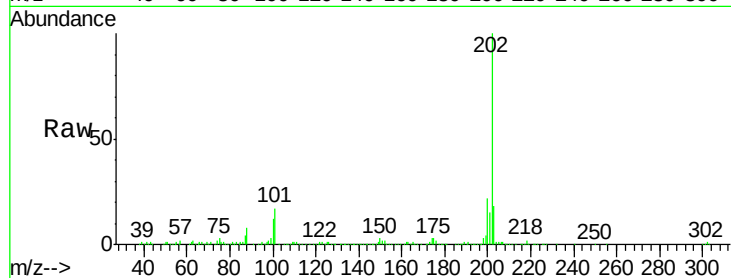




#74
 Fluoranthene
 Concen: 14.380 ng
 RT: 12.61 min Scan# 1789
 Delta R.T. -0.01 min
 Lab File: BF103212.D
 Acq: 26 Feb 2018 12:21

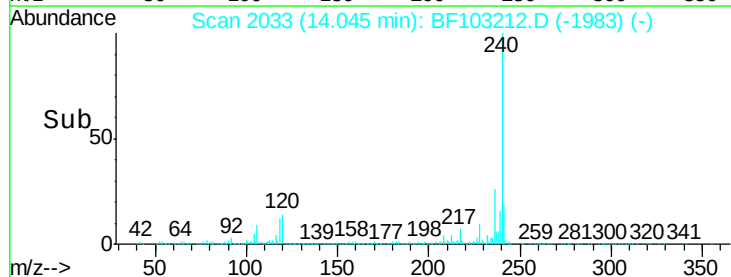
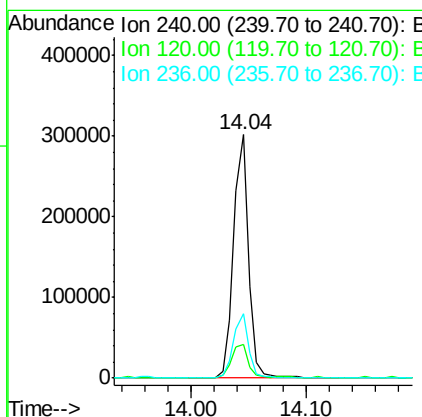
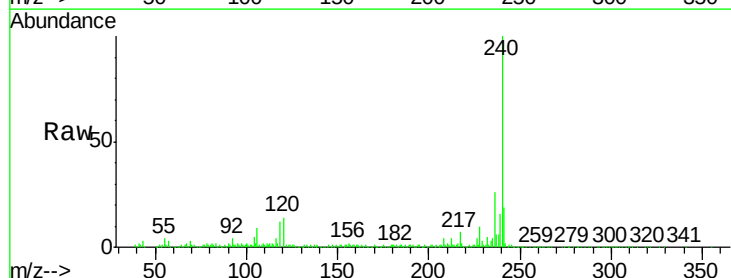
Instrument :
 BNA_F
 ClientSampleId :

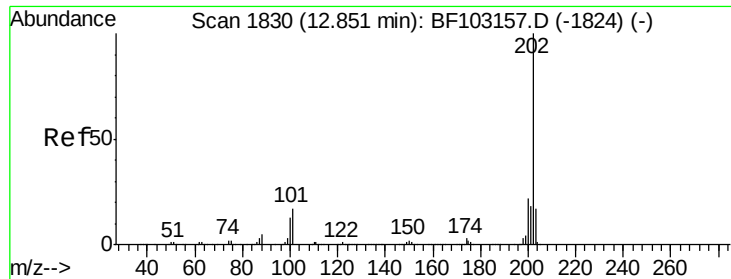
Tot Ion	Ratio	Lower	Upper
202	100		
101	16.7	0.0	34.1
203	17.9	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF103212.D
 Acq: 26 Feb 2018 12:21

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.0	9.5	14.3
236	26.4	20.7	31.1





#77

Pvrene

Concen: 15.680 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF103212.D

Acq: 26 Feb 2018 12:21

Instrument :

BNA_F

ClientSampleId :

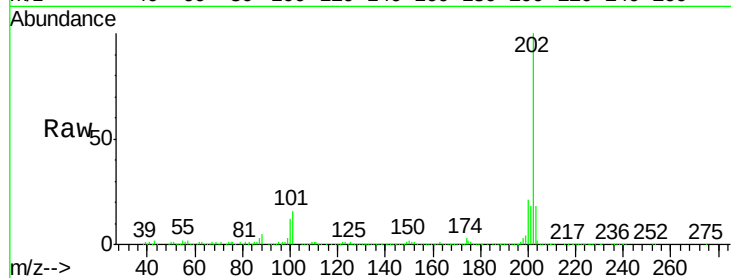
Tot Ion:202 Resp: 329415

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

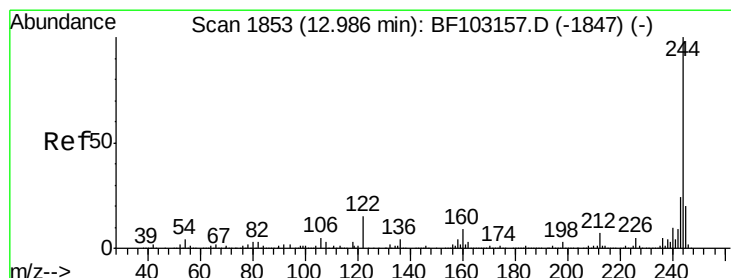
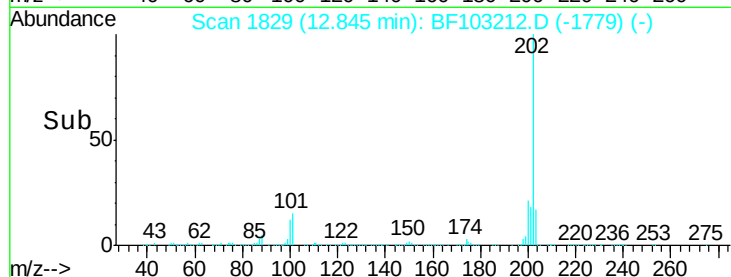
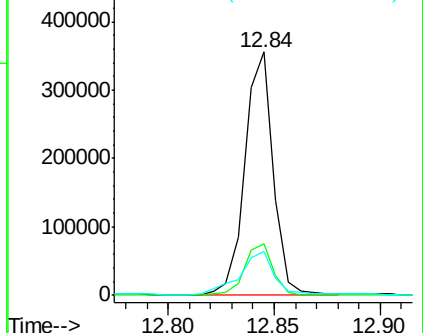
203 17.9 14.3 21.5



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: 63.091 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF103212.D

Acq: 26 Feb 2018 12:21

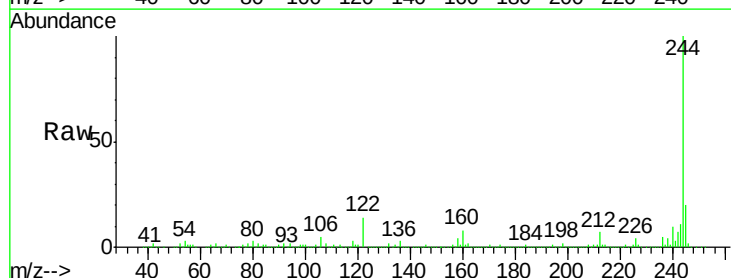
Tgt Ion:244 Resp: 707220

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

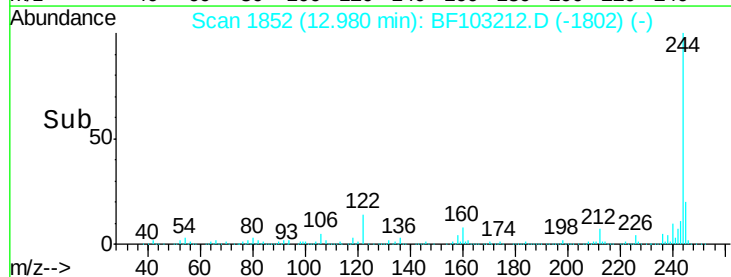
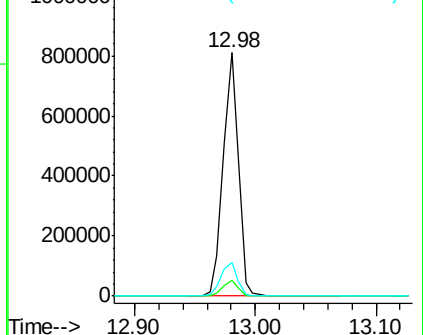
122 13.9 11.0 16.4

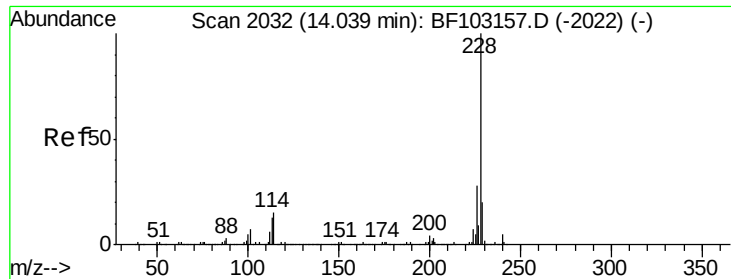


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

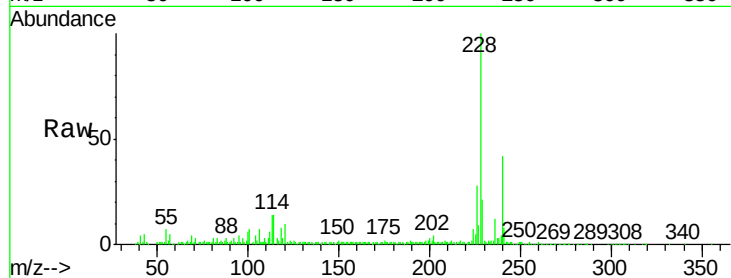




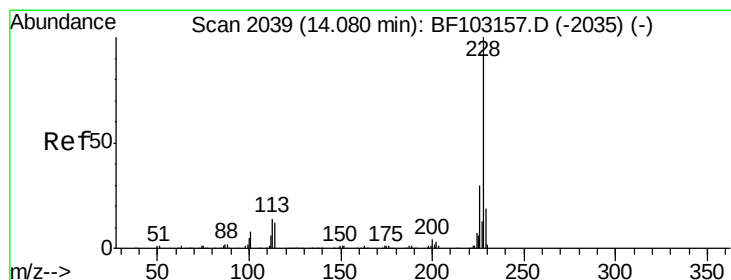
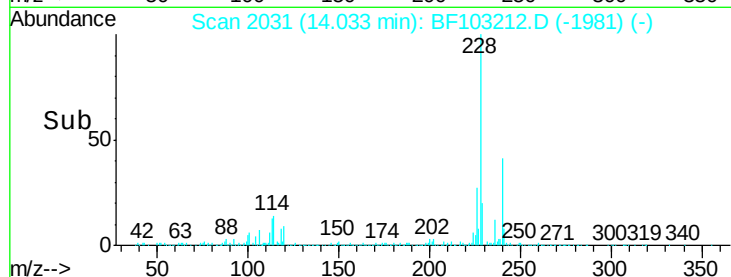
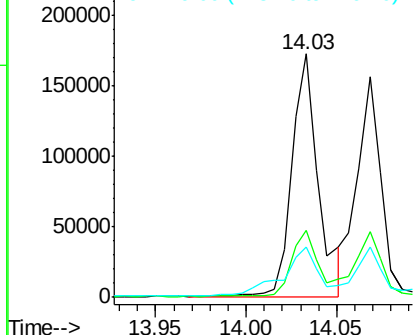
#80
Benzo(a)anthracene
Concen: 10.070 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF103212.D
Acq: 26 Feb 2018 12:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 176058
Ion Ratio Lower Upper
228 100
226 27.7 22.6 33.8
229 20.8 15.8 23.6

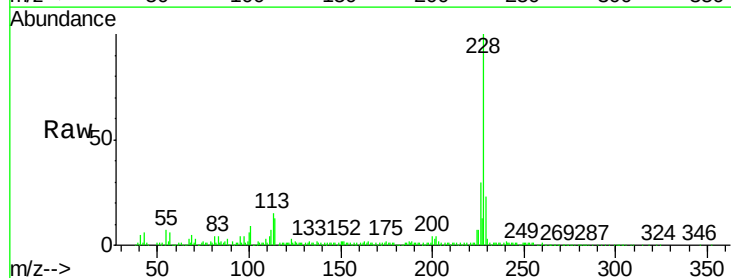


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

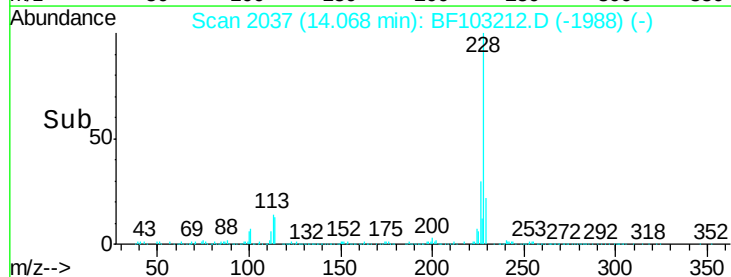
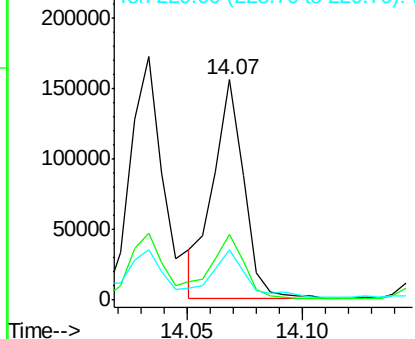


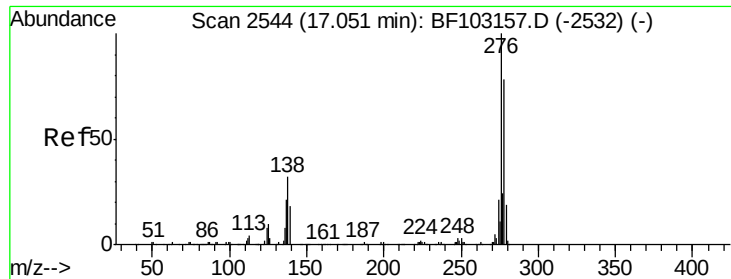
#82
Chrysene
Concen: 8.516 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF103212.D
Acq: 26 Feb 2018 12:21

Tgt Ion:228 Resp: 144573
Ion Ratio Lower Upper
228 100
226 30.1 25.0 37.6
229 23.0 16.2 24.4



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

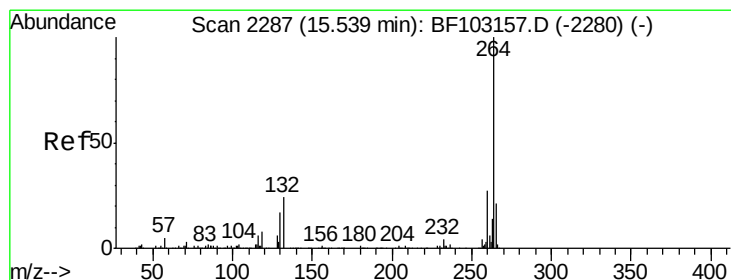
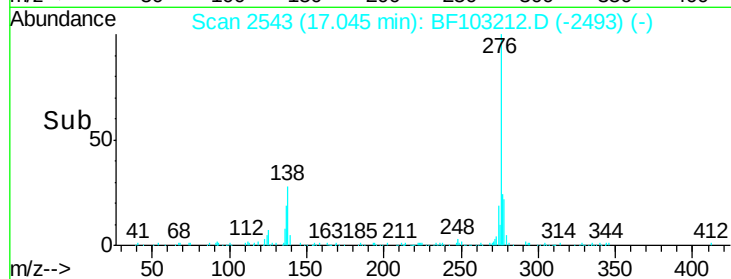
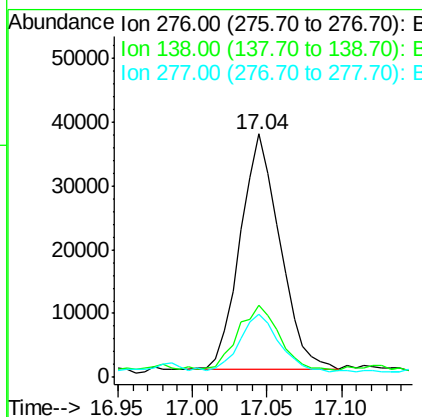
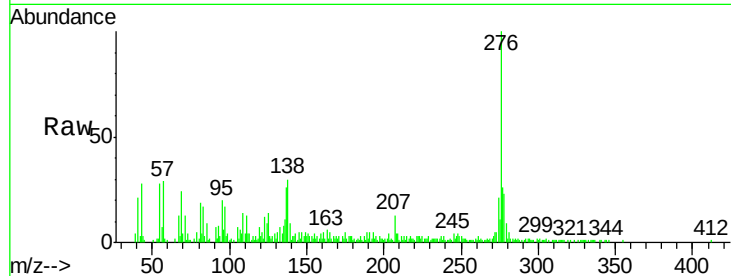




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.081 ng
 RT: 17.04 min Scan# 2543
 Delta R.T. -0.01 min
 Lab File: BF103212.D
 Acq: 26 Feb 2018 12:21

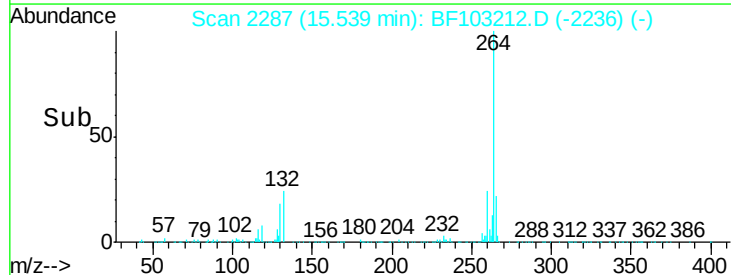
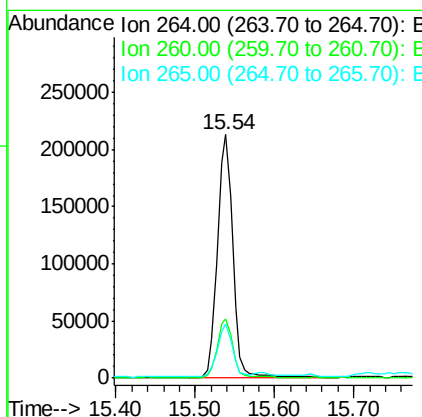
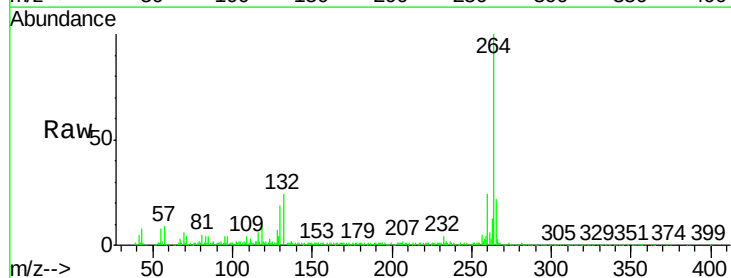
Instrument :
 BNA_F
 ClientSampleId :

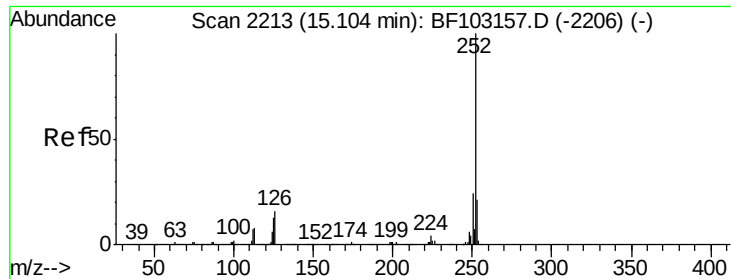
Tot Ion:276 Resp: 68288
 Ion Ratio Lower Upper
 276 100
 138 29.9 25.0 37.6
 277 23.7 20.1 30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2287
 Delta R.T. -0.00 min
 Lab File: BF103212.D
 Acq: 26 Feb 2018 12:21

Tgt Ion:264 Resp: 284849
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.2 28.8
 265 22.1 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 14.417 ng

RT: 15.10 min Scan# 2212

Delta R.T. -0.01 min

Lab File: BF103212.D

Acq: 26 Feb 2018 12:21

Instrument :

BNA_F

ClientSampleId :

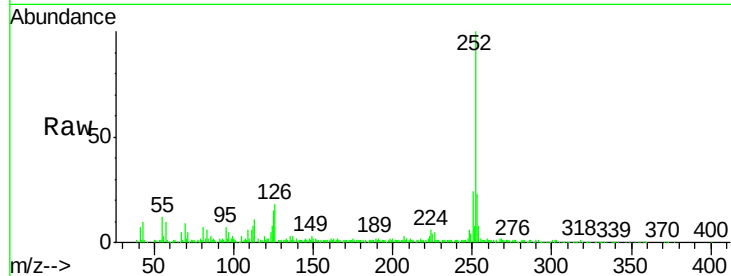
Tot Ion:252 Resp: 270013

Ion Ratio Lower Upper

252 100

253 22.8 17.0 25.6

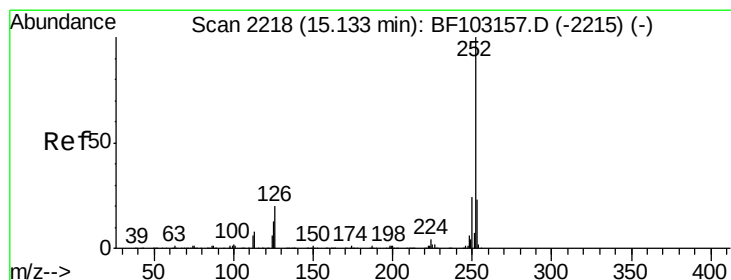
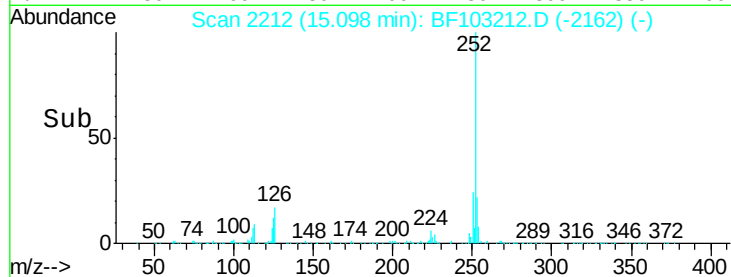
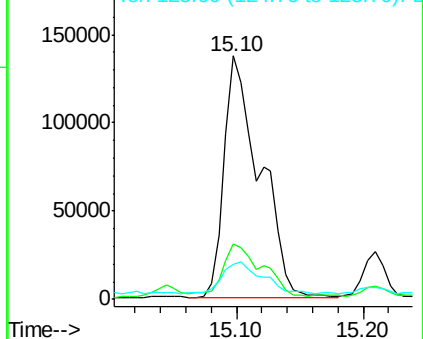
125 14.6 9.0 13.6#



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



#88

Benzo(k)fluoranthene

Concen: 15.310 ng

RT: 15.10 min Scan# 2212

Delta R.T. -0.04 min

Lab File: BF103212.D

Acq: 26 Feb 2018 12:21

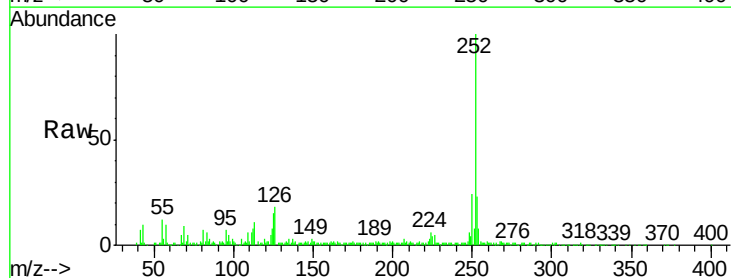
Tgt Ion:252 Resp: 270013

Ion Ratio Lower Upper

252 100

253 22.8 17.9 26.9

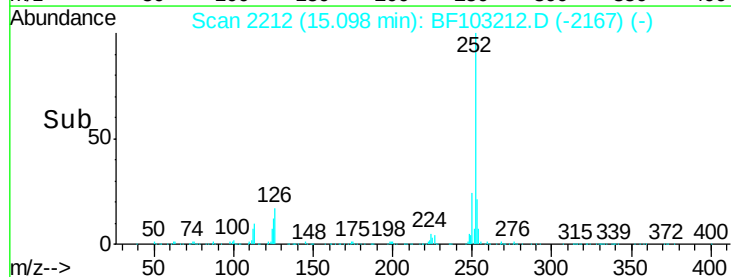
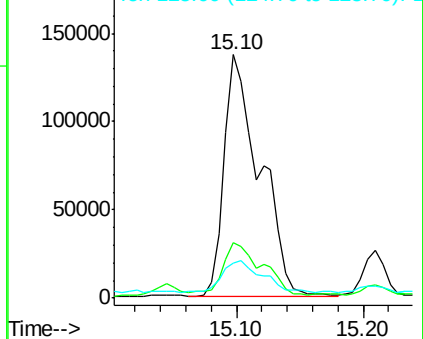
125 14.6 10.2 15.2

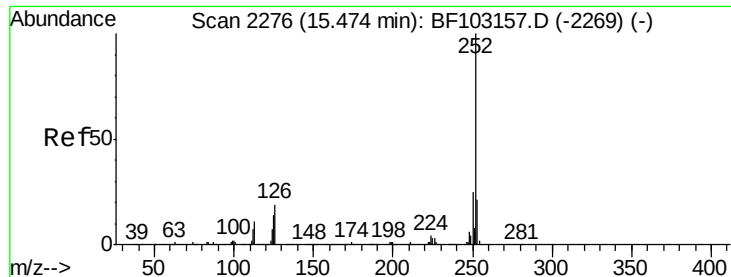


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

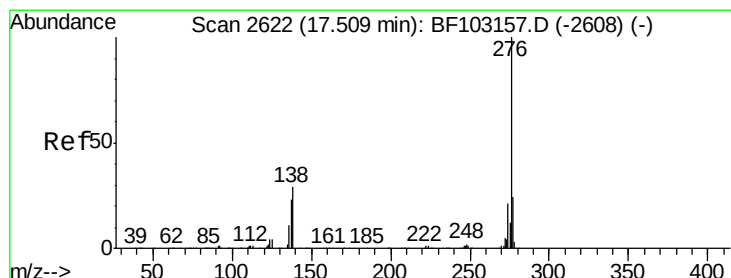
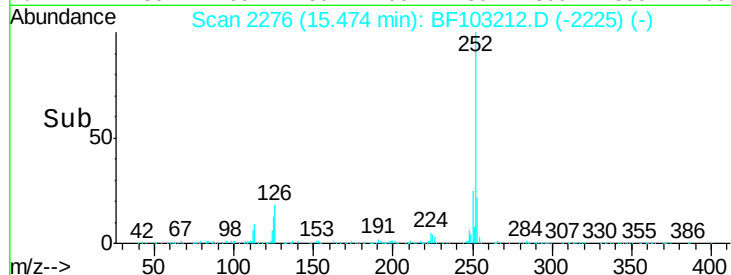
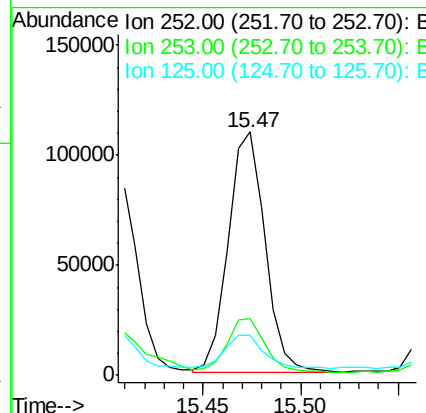
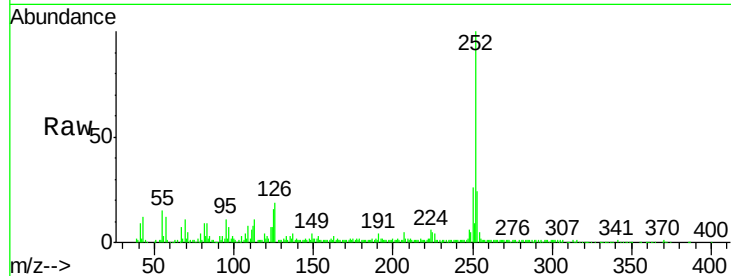




#89
Benzo(a)pyrene
Concen: 8.607 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.00 min
Lab File: BF103212.D
Acq: 26 Feb 2018 12:21

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 143947
Ion Ratio Lower Upper
252 100
253 23.5 17.1 25.7
125 16.2 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 5.105 ng
RT: 17.50 min Scan# 2621
Delta R.T. -0.01 min
Lab File: BF103212.D
Acq: 26 Feb 2018 12:21

Tgt Ion:276 Resp: 64484
Ion Ratio Lower Upper
276 100
277 24.8 17.9 26.9
138 31.6 21.8 32.8

