

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030718\
 Data File : BF103510.D
 Acq On : 7 Mar 2018 19:19
 Operator : SJ/JU
 Sample : J1808-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 08 03:46:43 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 07 11:40:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	141649	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	594390	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	223015	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	321603	20.00	ng	0.00
75) Chrysene-d12	14.06	240	216905	20.00	ng	0.00
86) Perylene-d12	15.56	264	168184	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	906568	96.80	ng	0.00
7) Phenol-d6	6.50	99	1181184	103.07	ng	0.00
23) Nitrobenzene-d5	7.43	82	744692	71.55	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	153161	81.14	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	985085	73.70	ng	0.00
78) Terphenyl-d14	12.98	244	608002	67.38	ng	0.00

Target Compounds

					Qvalue	
9) Benzaldehyde	6.50	77	2417	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.43	70	99846	13.999 ng	#	81
25) Isophorone	7.43	82	744692	36.328 ng	#	64
49) Dimethylphthalate	9.62	163	95014	5.311 ng		99
56) 2,4-Dinitrotoluene	9.90	165	28556	6.014 ng	#	23
64) 4,6-Dinitro-2-methylphenol	10.70	198	244	5.057 ng	#	1
66) 4-Bromophenyl-phenylether	10.70	248	10528	3.143 ng	#	1
70) Phenanthrene	11.43	178	46559	2.631 ng		98
71) Anthracene	11.43	178	46559	2.565 ng		98
74) Fluoranthene	12.62	202	68272	3.839 ng		98
77) Pyrene	12.85	202	66402	3.927 ng		98
80) Benzo(a)anthracene	14.04	228	29923	2.126 ng		97
87) Benzo(b)fluoranthene	15.12	252	38294	3.463 ng	#	89
88) Benzo(k)fluoranthene	15.12	252	38294	3.678 ng	#	92
89) Benzo(a)pyrene	15.50	252	20638	2.090 ng	#	87

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

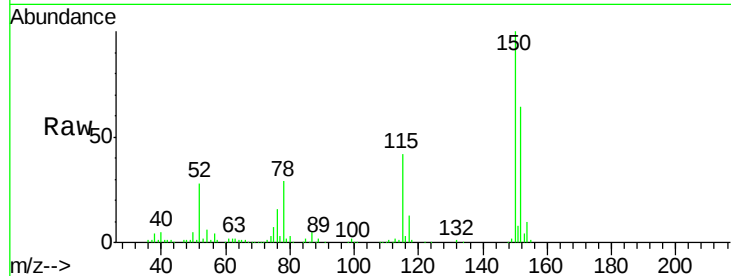


#1

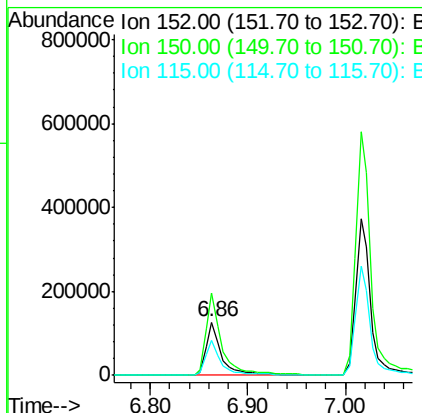
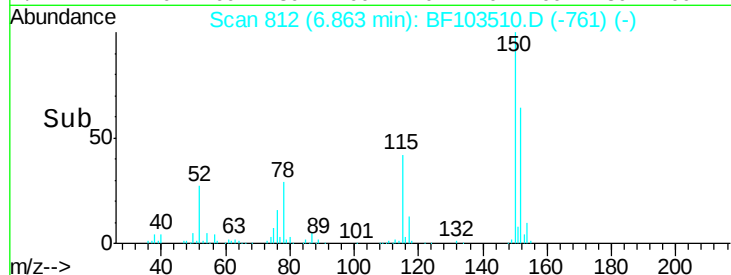
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF103510.D
Acq: 7 Mar 2018 19:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion	152	Resp	141649
Ion Ratio	Lower	Upper	
152	100		
150	155.8	124.6	186.8
115	65.0	50.1	75.1



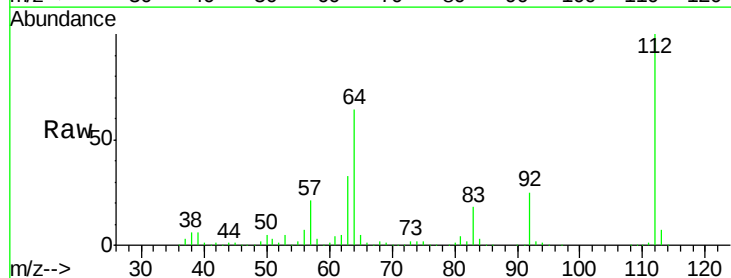
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



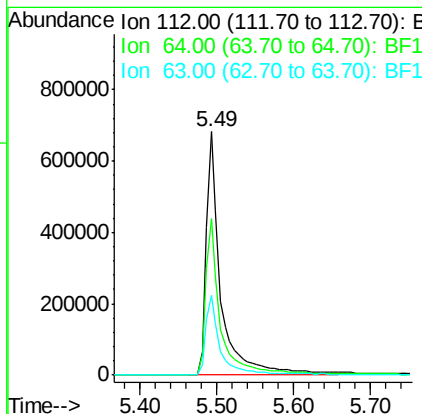
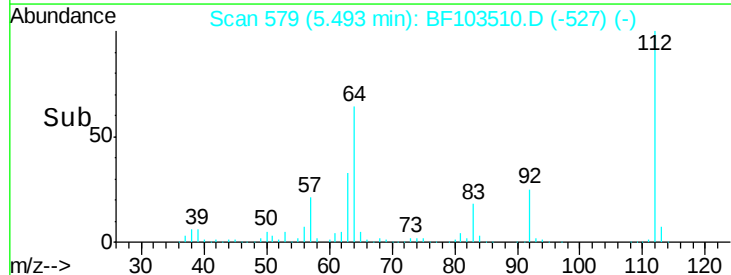
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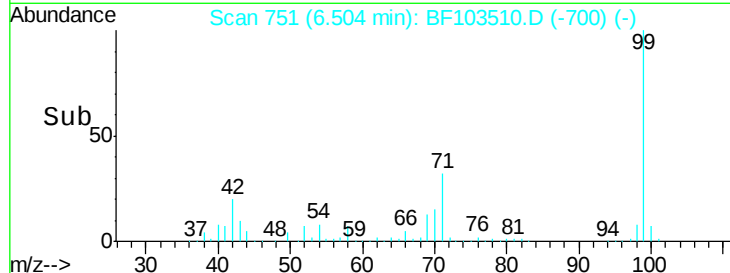
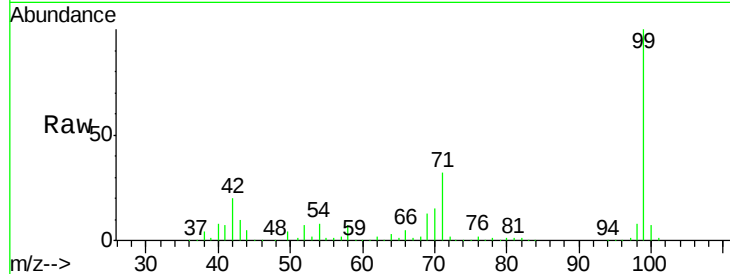
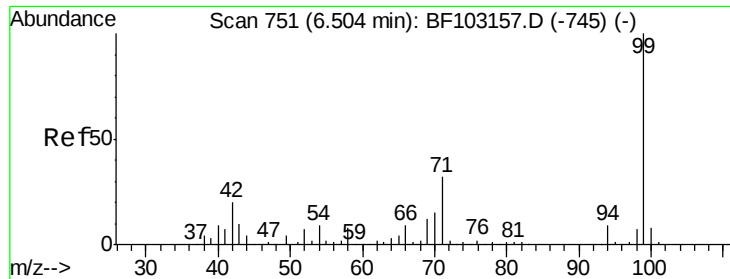
2-Fluorophenol
Concen: 96.797 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF103510.D
Acq: 7 Mar 2018 19:19

Tgt Ion	112	Resp	906568
Ion Ratio	Lower	Upper	
112	100		
64	64.4	47.9	71.9
63	32.9	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: 103.068 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF103510.D

Acq: 7 Mar 2018 19:19

Instrument :

BNA_F

ClientSampled :

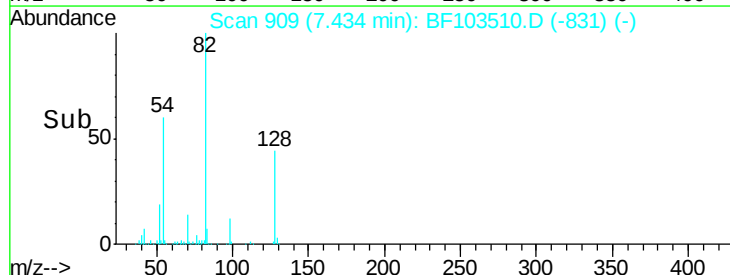
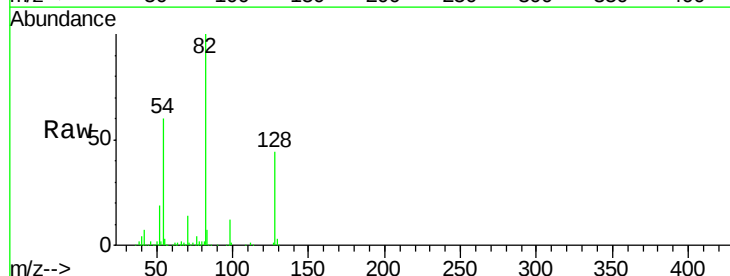
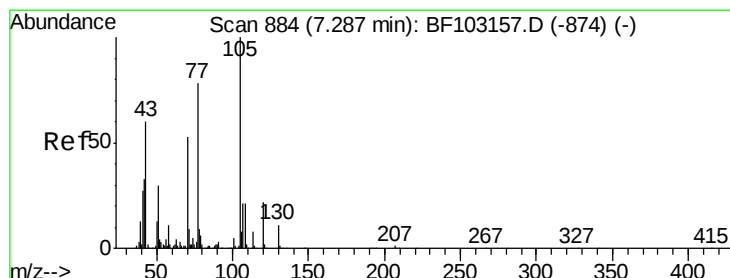
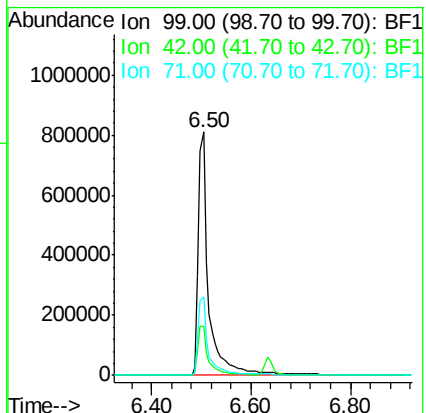
Tot Ion: 99 Resp: 1181184

Ion Ratio Lower Upper

99 100

42 20.0 14.5 21.7

71 32.0 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 13.999 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.16 min

Lab File: BF103510.D

Acq: 7 Mar 2018 19:19

Tgt Ion: 70 Resp: 99846

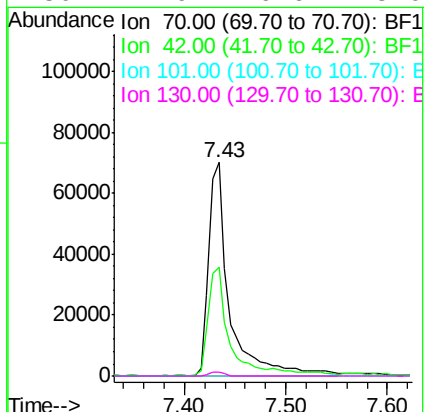
Ion Ratio Lower Upper

70 100

42 51.2 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

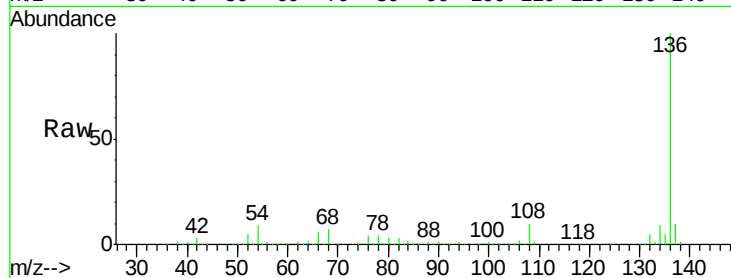




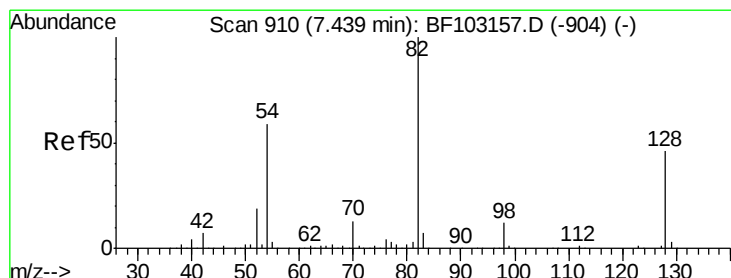
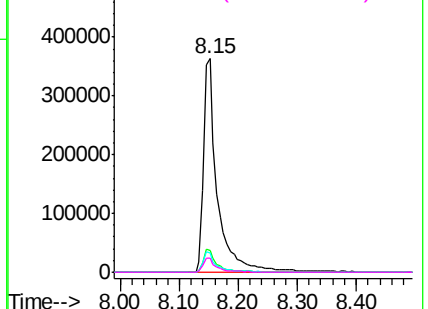
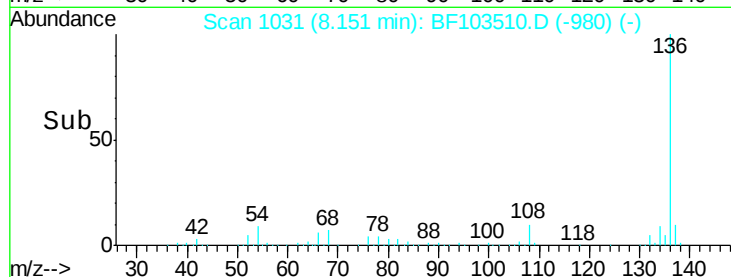
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BF103510.D
Acq: 7 Mar 2018 19:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	594390
Ion Ratio	Lower	Upper
136	100	
137	10.4	8.9 13.3
54	9.1	6.6 9.8
68	6.7	5.0 7.4

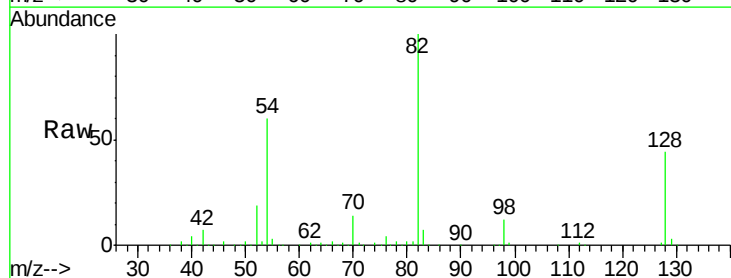


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

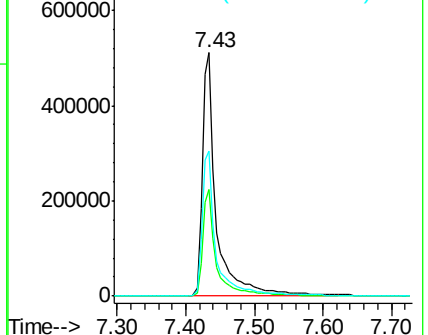
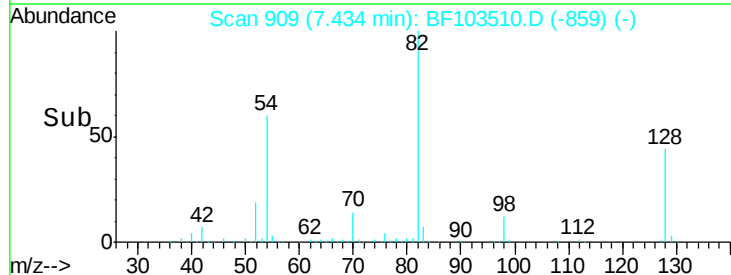


#23
Nitrobenzene-d5
Concen: 71.549 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF103510.D
Acq: 7 Mar 2018 19:19

Tgt Ion: 82	Resp:	744692
Ion Ratio	Lower	Upper
82	100	
128	43.9	36.1 54.1
54	59.6	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

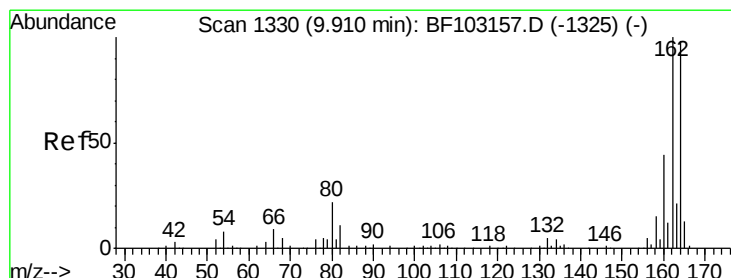
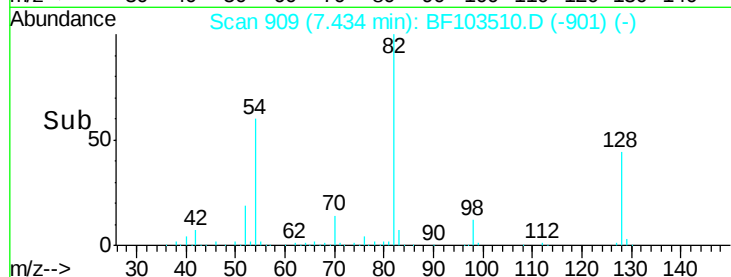
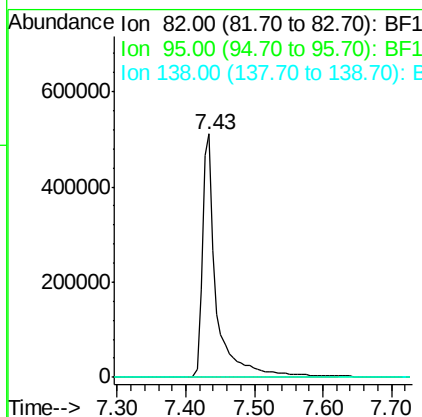
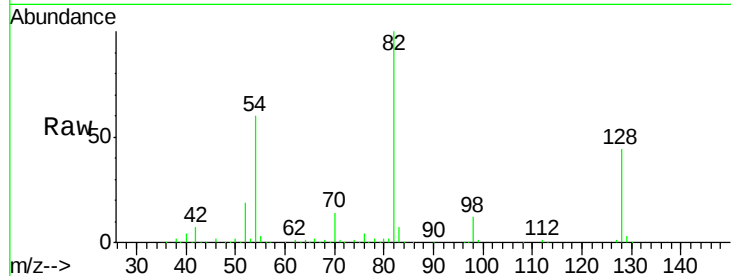




#25
Isophorone
Concen: 36.328 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.25 min
Lab File: BF103510.D
Acq: 7 Mar 2018 19:19

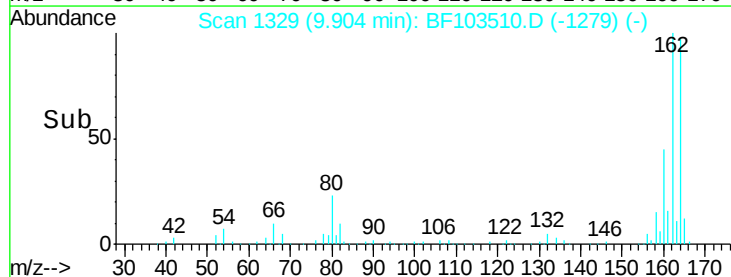
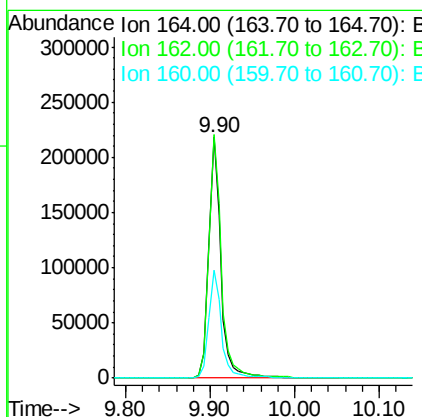
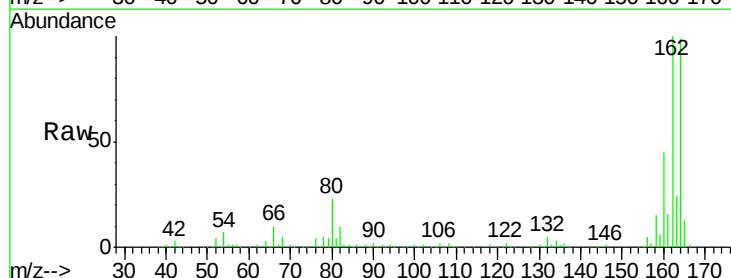
Instrument :
BNA_F
ClientSampleId :

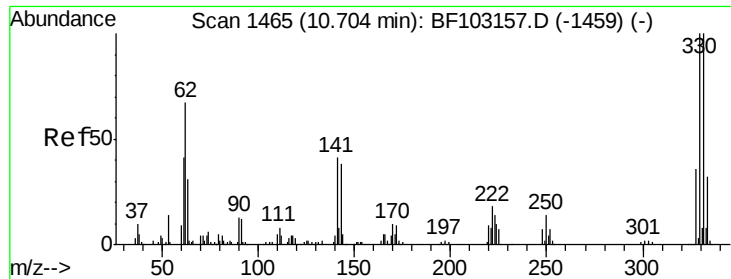
Tot Ion: 82 Resp: 744692
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BF103510.D
Acq: 7 Mar 2018 19:19

Tgt Ion: 164 Resp: 223015
Ion Ratio Lower Upper
164 100
162 101.2 86.1 129.1
160 45.1 38.3 57.5

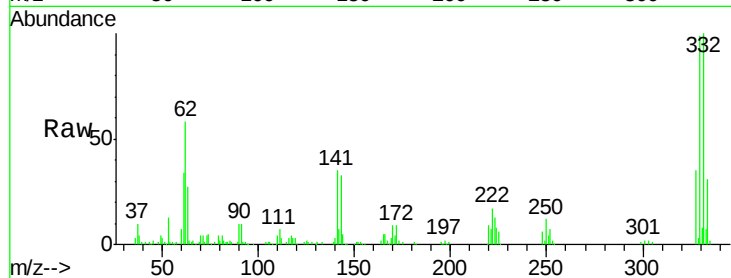




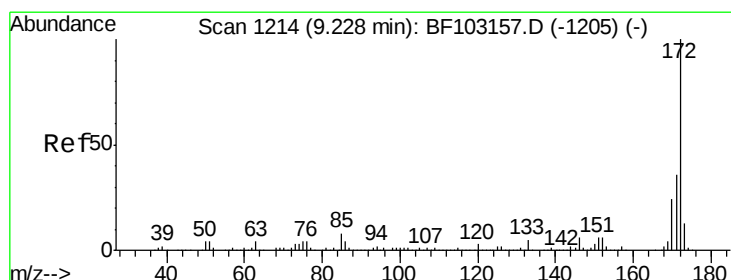
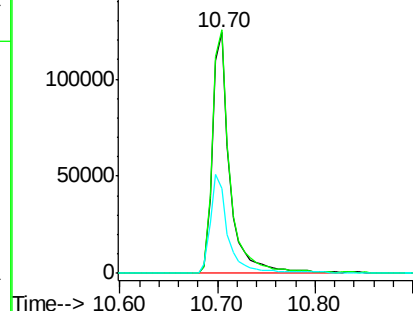
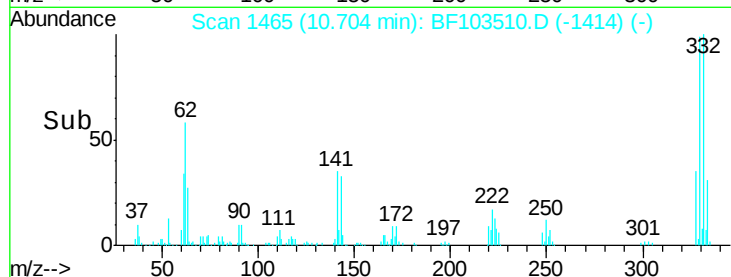
#41
 2,4,6-Tribromophenol
 Concen: 81.136 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: BF103510.D
 Acq: 7 Mar 2018 19:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	102.2	77.0	115.6
141	42.6	29.9	44.9

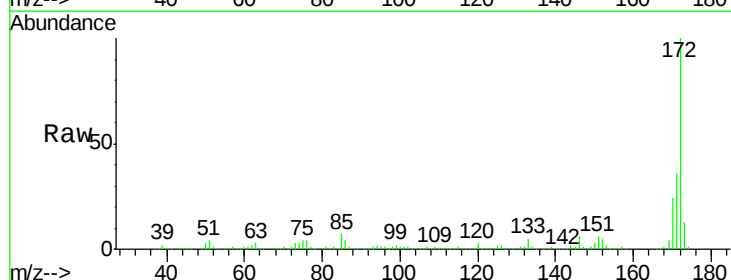


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

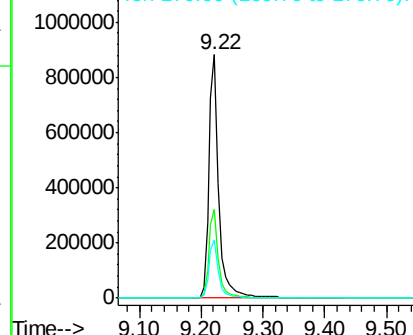
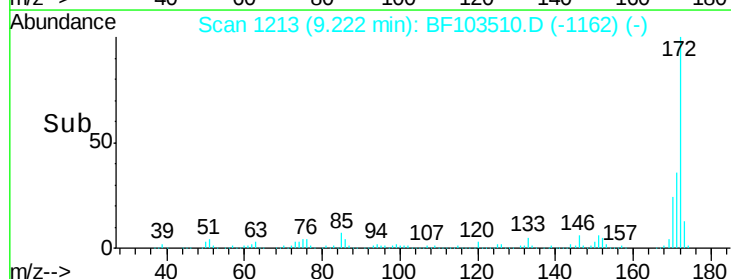


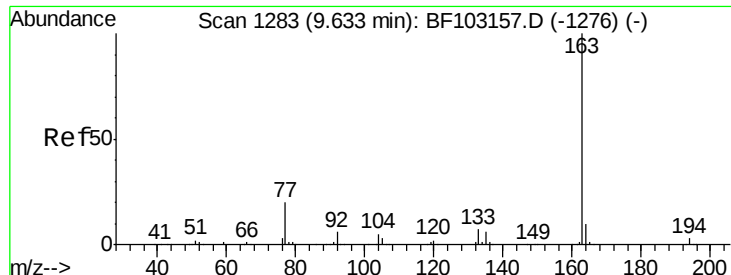
#44
 2-Fluorobiphenyl
 Concen: 73.701 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. 0.00 min
 Lab File: BF103510.D
 Acq: 7 Mar 2018 19:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	23.9	19.6	29.4



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

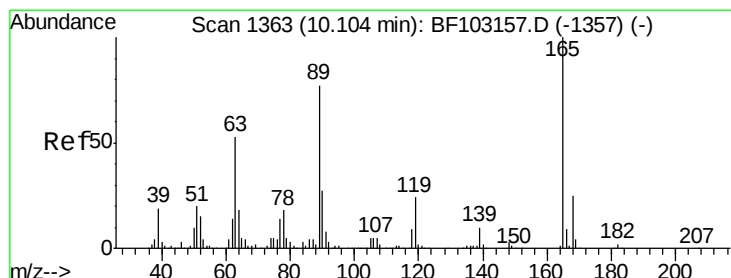
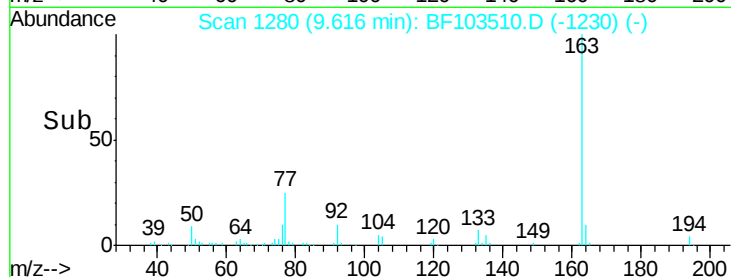
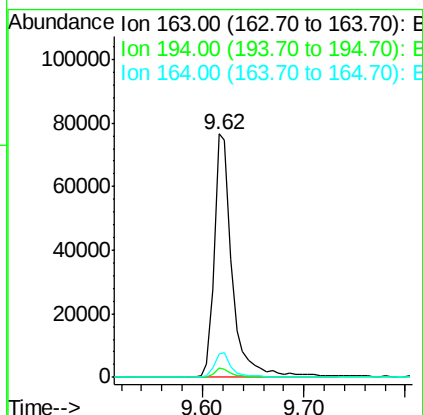
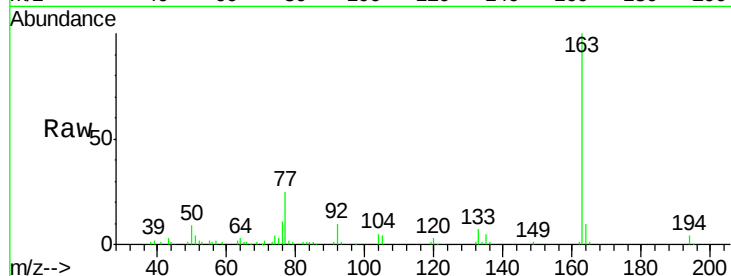




#49
Dimethylphthalate
Concen: 5.311 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BF103510.D
Acq: 7 Mar 2018 19:19

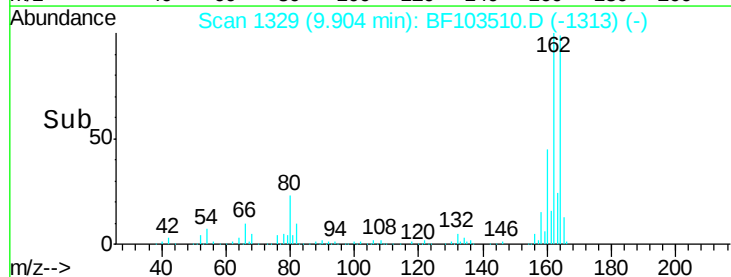
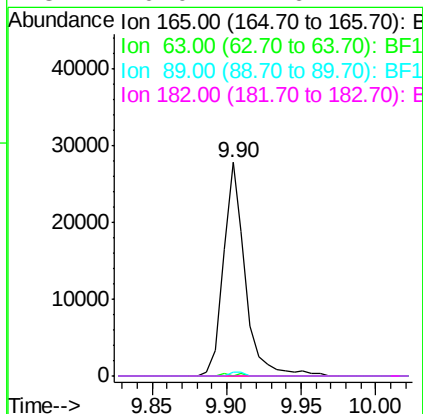
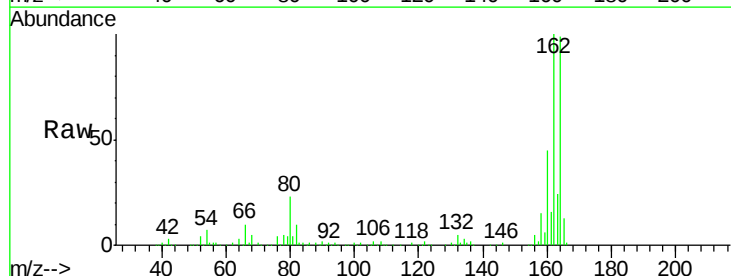
Instrument :
BNA_F
ClientSampled :

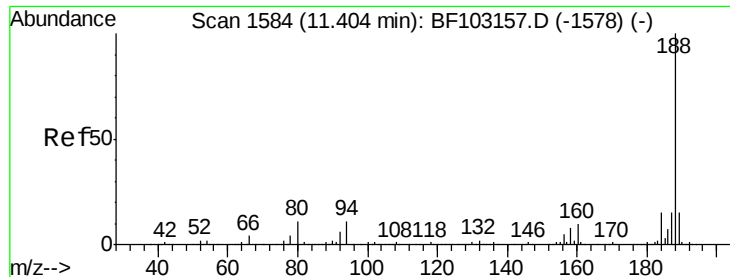
Tot Ion:163 Resp: 95014
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 9.9 8.2 12.2



#56
2,4-Dinitrotoluene
Concen: 6.014 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.21 min
Lab File: BF103510.D
Acq: 7 Mar 2018 19:19

Tgt Ion:165 Resp: 28556
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 2.0 57.8 86.6#
182 0.0 1.6 2.4#

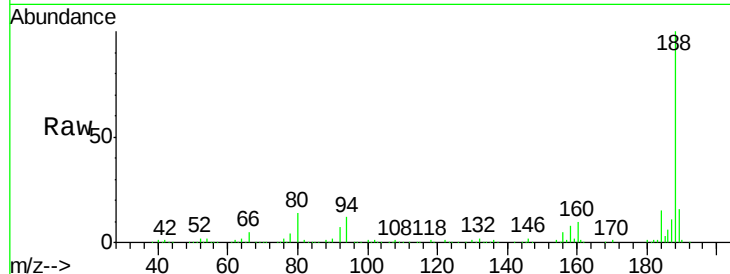




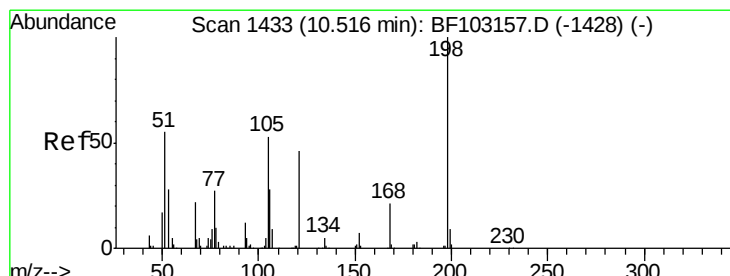
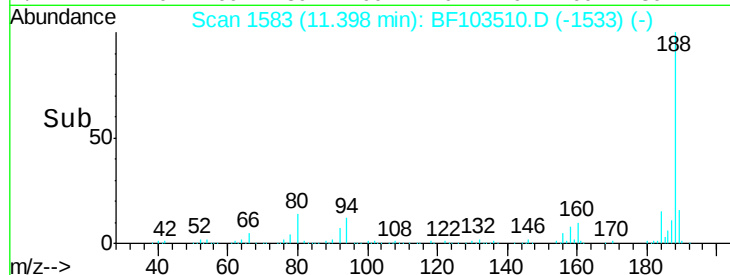
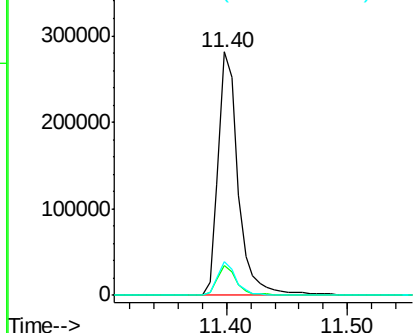
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF103510.D
Acq: 7 Mar 2018 19:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 321603
Ion Ratio Lower Upper
188 100
94 12.2 8.5 12.7
80 13.7 9.2 13.8

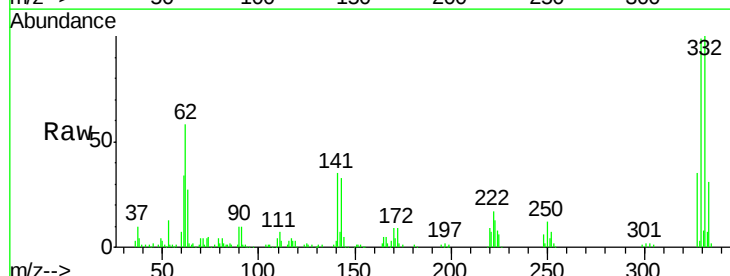


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

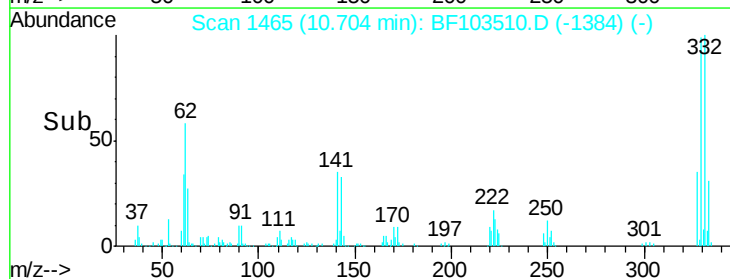
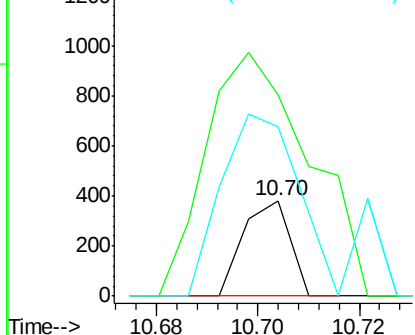


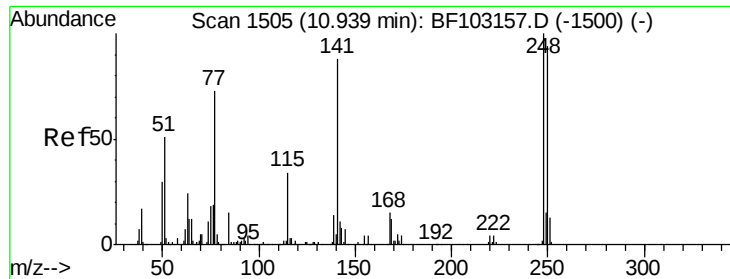
#64
4,6-Dinitro-2-methylphenol
Concen: 5.057 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.18 min
Lab File: BF103510.D
Acq: 7 Mar 2018 19:19

Tgt Ion:198 Resp: 244
Ion Ratio Lower Upper
198 100
51 210.5 37.7 77.7#
105 177.5 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

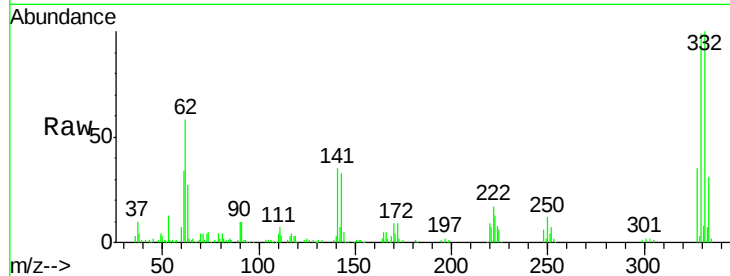




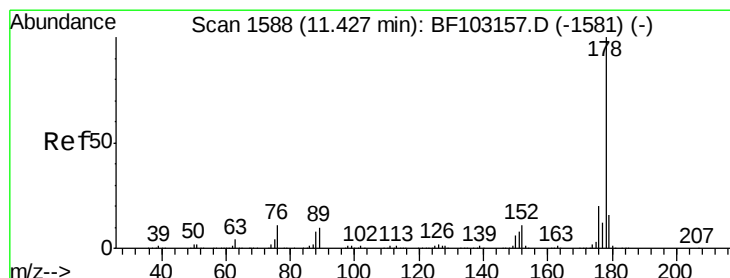
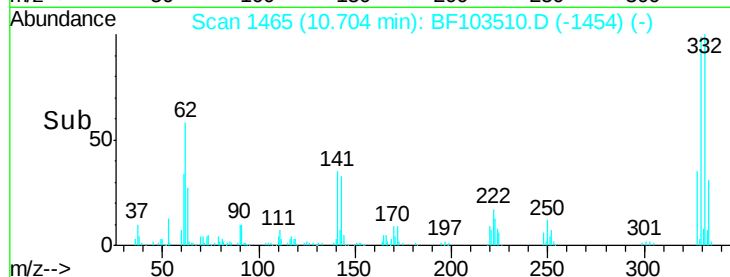
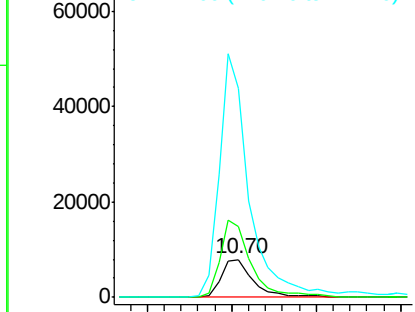
#66
4-Bromophenyl-phenylether
Concen: 3.143 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.24 min
Lab File: BF103510.D
Acq: 7 Mar 2018 19:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 10528
Ion Ratio Lower Upper
248 100
250 188.8 76.9 115.3#
141 551.2 74.4 111.6#

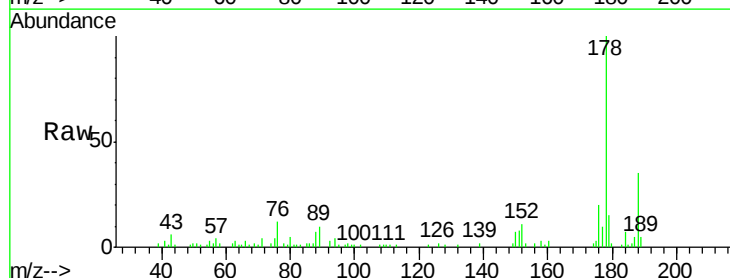


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

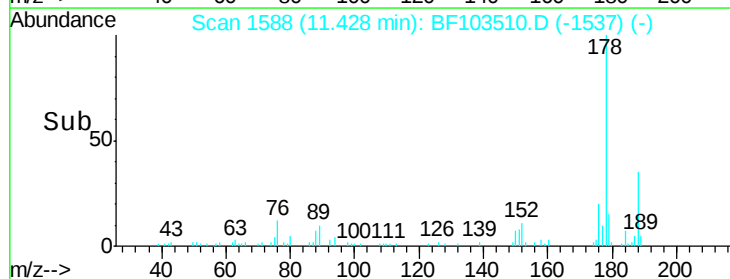
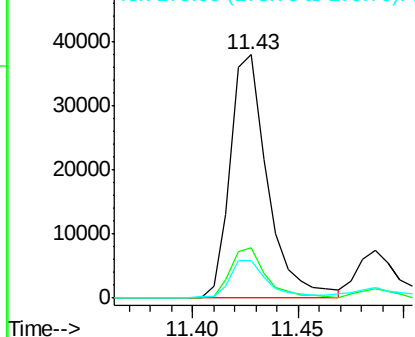


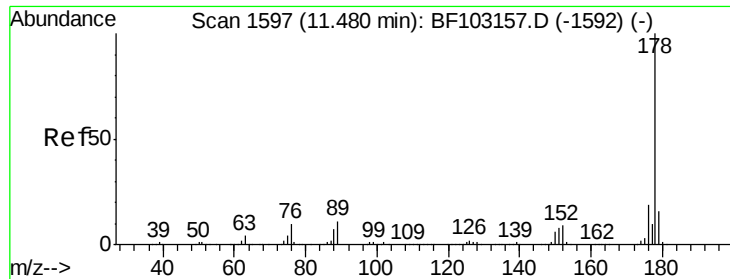
#70
Phenanthrene
Concen: 2.631 ng
RT: 11.43 min Scan# 1588
Delta R.T. 0.00 min
Lab File: BF103510.D
Acq: 7 Mar 2018 19:19

Tgt Ion:178 Resp: 46559
Ion Ratio Lower Upper
178 100
176 20.5 15.8 23.8
179 15.2 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

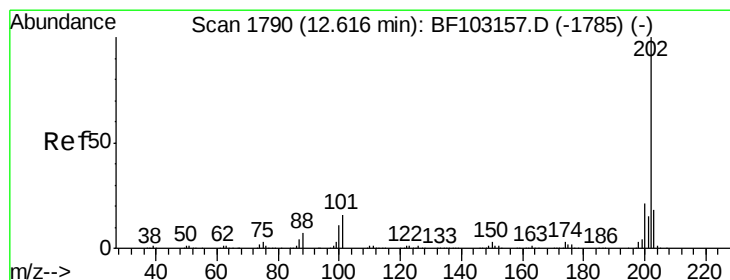
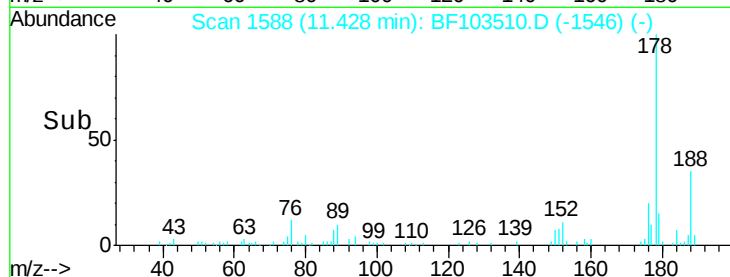
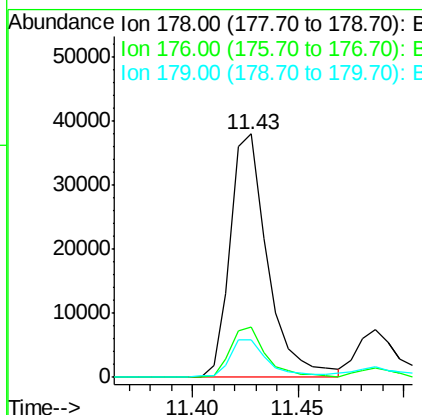
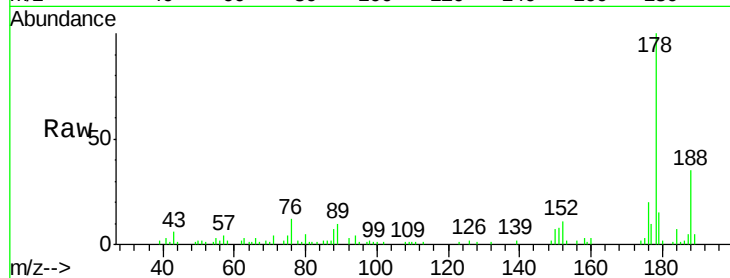




#71
 Anthracene
 Concen: 2.565 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. -0.05 min
 Lab File: BF103510.D
 Acq: 7 Mar 2018 19:19

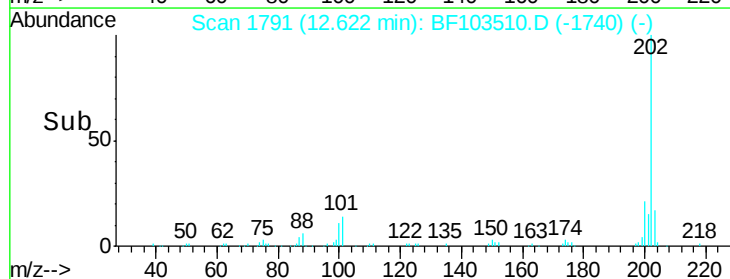
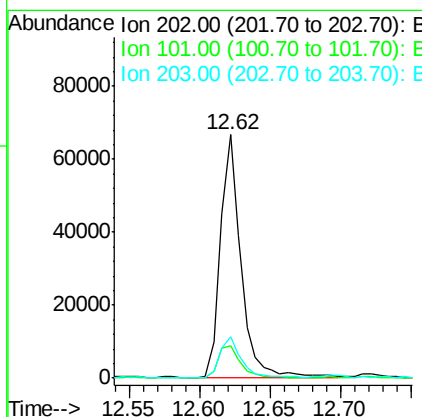
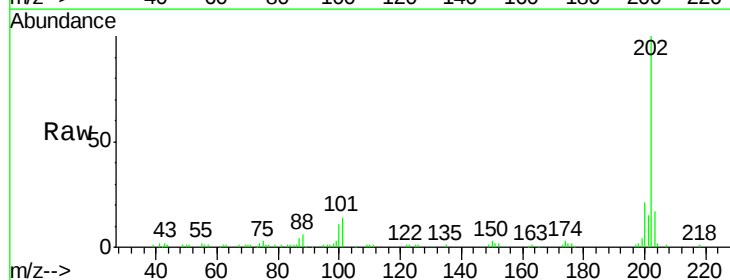
Instrument :
 BNA_F
 ClientSampleId :

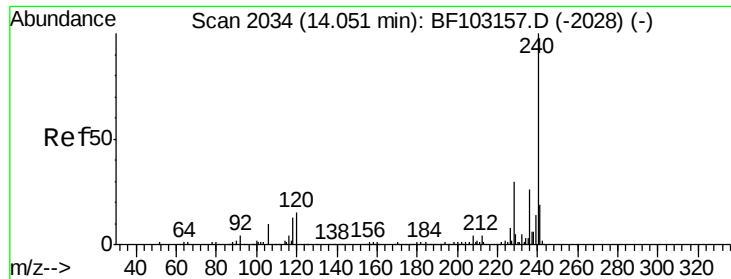
Tot Ion:178 Resp: 46559
 Ion Ratio Lower Upper
 178 100
 176 20.5 15.4 23.2
 179 15.2 12.6 19.0



#74
 Fluoranthene
 Concen: 3.839 ng
 RT: 12.62 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: BF103510.D
 Acq: 7 Mar 2018 19:19

Tgt Ion:202 Resp: 68272
 Ion Ratio Lower Upper
 202 100
 101 13.5 0.0 34.1
 203 17.2 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF103510.D

Acq: 7 Mar 2018 19:19

Instrument :

BNA_F

ClientSampleId :

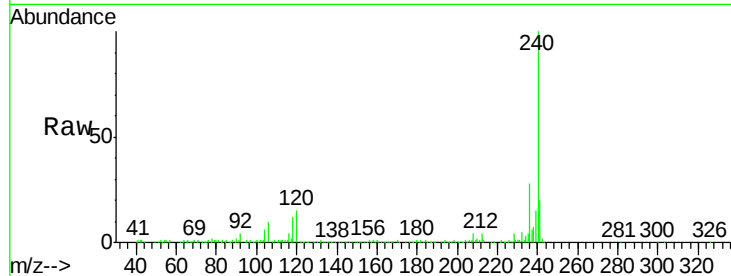
Tot Ion:240 Resp: 216905

Ion Ratio Lower Upper

240 100

120 14.7 9.5 14.3#

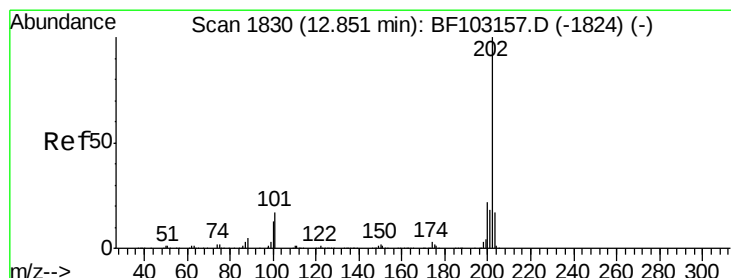
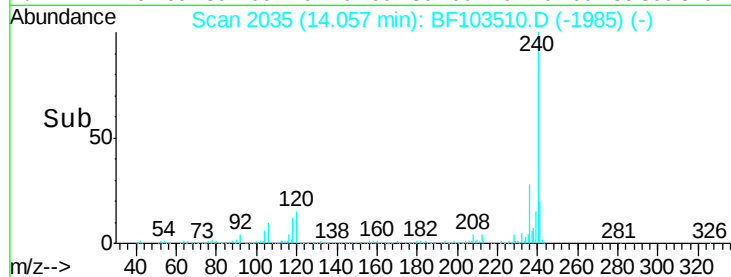
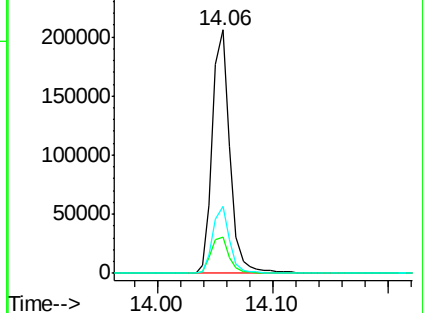
236 27.5 20.7 31.1



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

Pyrene

Concen: 3.927 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF103510.D

Acq: 7 Mar 2018 19:19

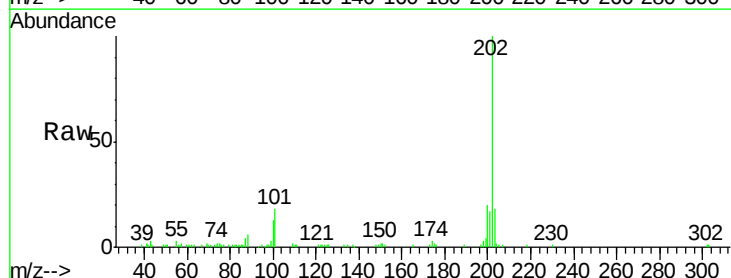
Tgt Ion:202 Resp: 66402

Ion Ratio Lower Upper

202 100

200 20.2 17.4 26.2

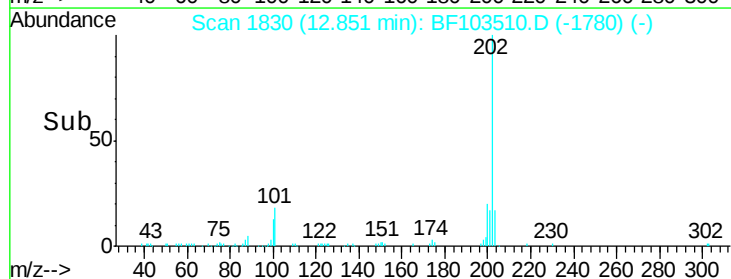
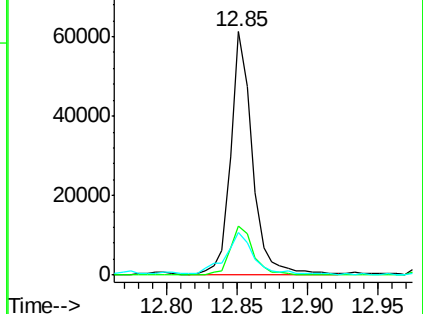
203 17.6 14.3 21.5

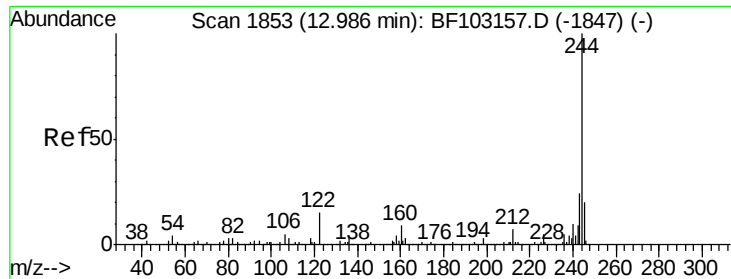


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 67.382 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF103510.D

Acq: 7 Mar 2018 19:19

Instrument :

BNA_F

ClientSampleId :

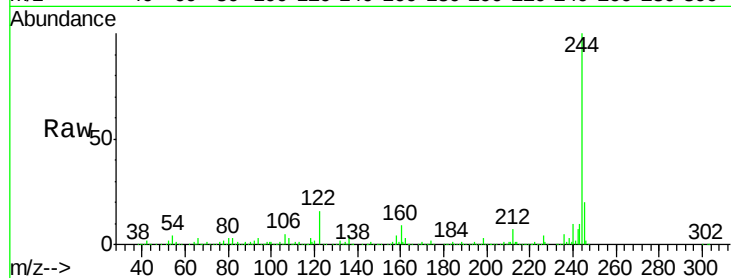
Tot Ion:244 Resp: 608002

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

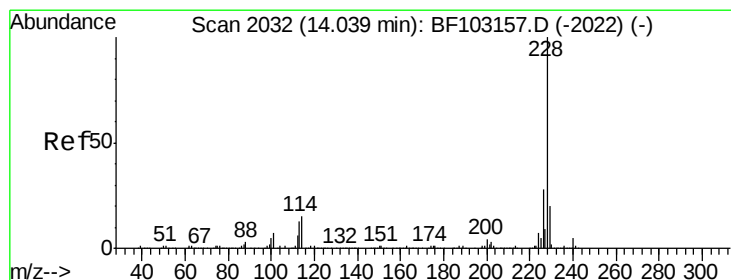
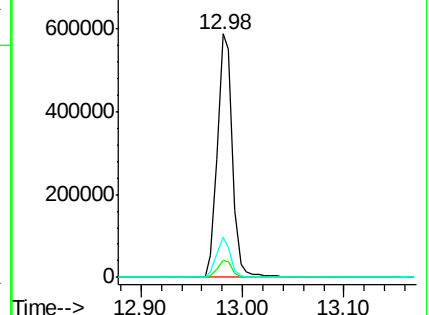
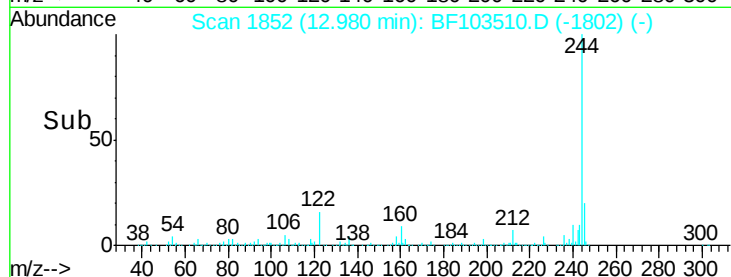
122 16.3 11.0 16.4



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: 2.126 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF103510.D

Acq: 7 Mar 2018 19:19

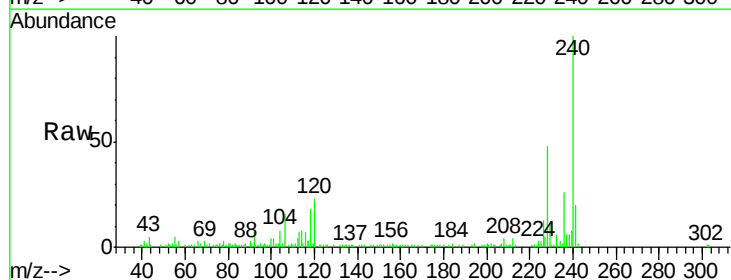
Tgt Ion:228 Resp: 29923

Ion Ratio Lower Upper

228 100

226 27.6 22.6 33.8

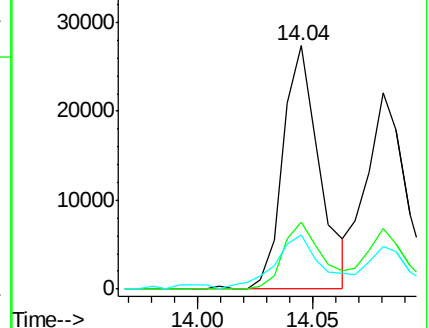
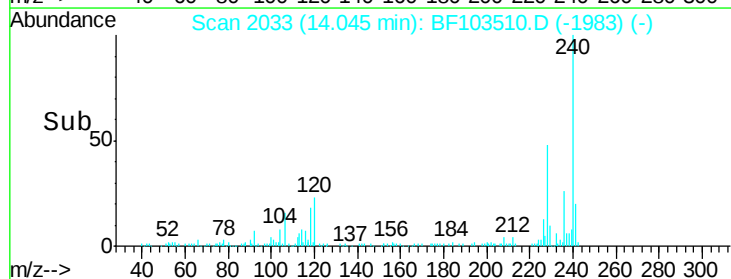
229 22.2 15.8 23.6

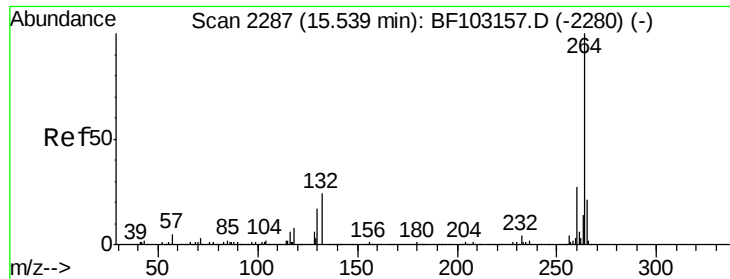


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

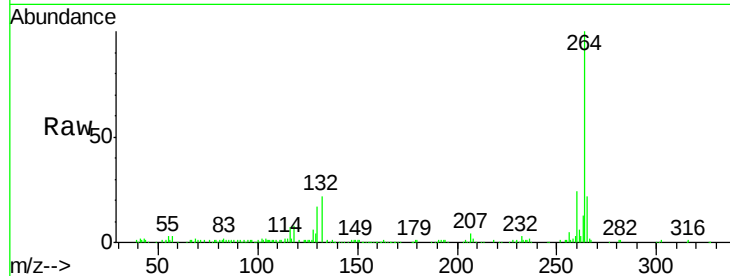




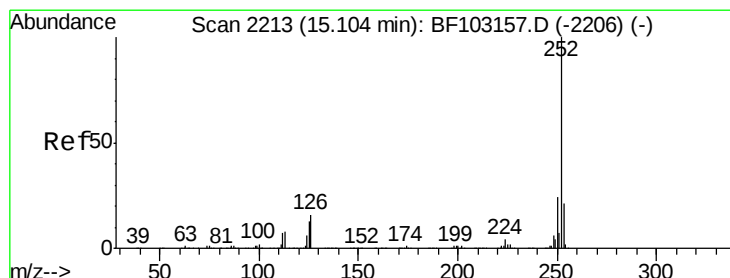
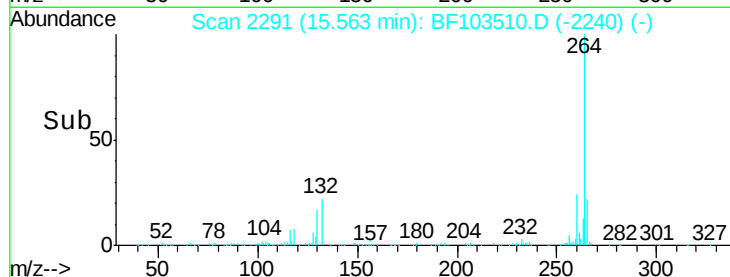
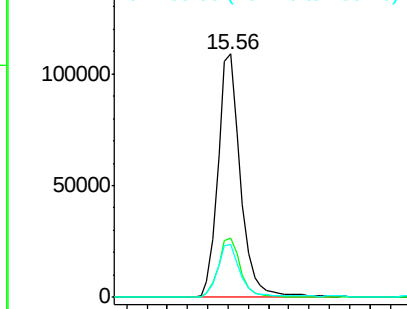
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2291
Delta R.T. 0.00 min
Lab File: BF103510.D
Acq: 7 Mar 2018 19:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 168184
Ion Ratio Lower Upper
264 100
260 24.4 19.2 28.8
265 21.7 17.5 26.3

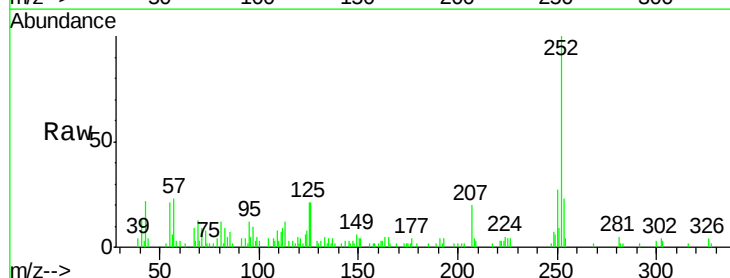


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

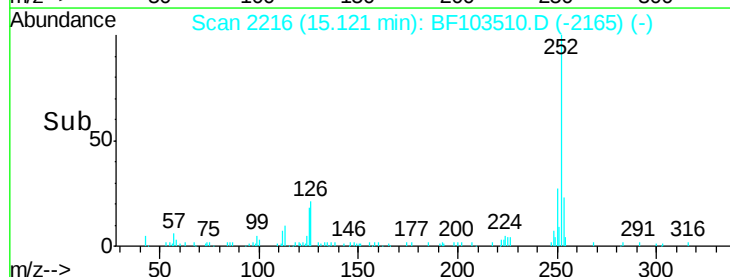
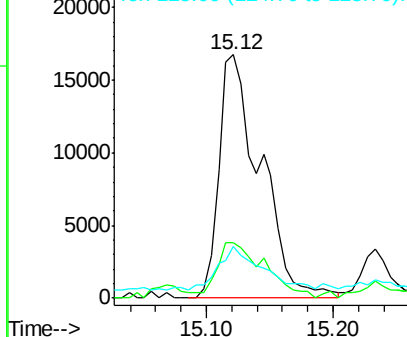


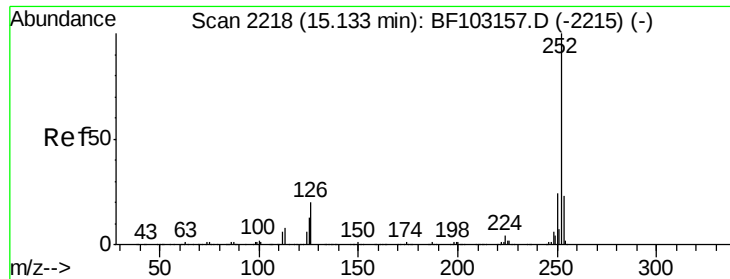
#87
Benzo(b)fluoranthene
Concen: 3.463 ng
RT: 15.12 min Scan# 2216
Delta R.T. 0.00 min
Lab File: BF103510.D
Acq: 7 Mar 2018 19:19

Tgt Ion:252 Resp: 38294
Ion Ratio Lower Upper
252 100
253 22.9 17.0 25.6
125 21.2 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

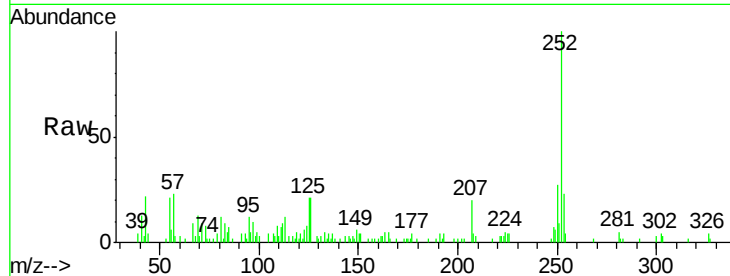




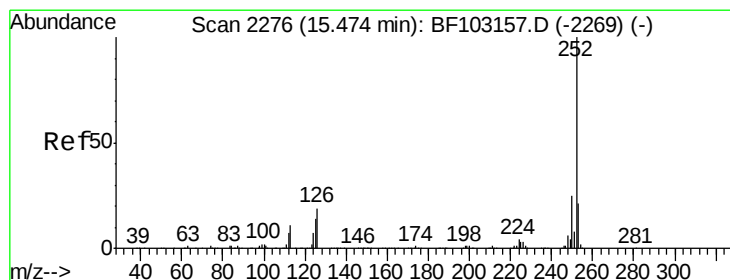
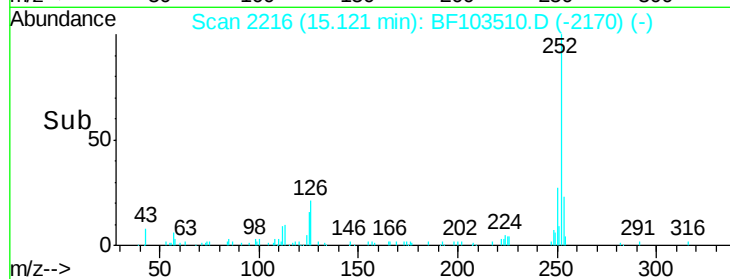
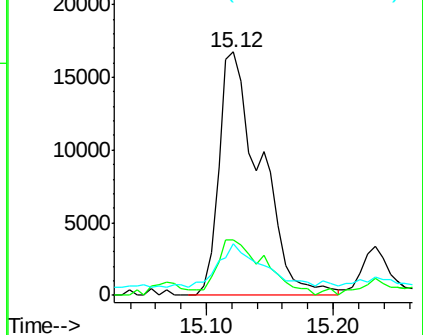
#88
Benzo(k)fluoranthene
Concen: 3.678 ng
RT: 15.12 min Scan# 2216
Delta R.T. -0.03 min
Lab File: BF103510.D
Acq: 7 Mar 2018 19:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 38294
Ion Ratio Lower Upper
252 100
253 22.9 17.9 26.9
125 21.2 10.2 15.2#

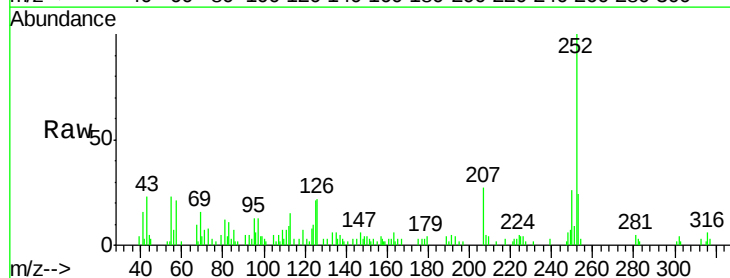


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 2.090 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF103510.D
Acq: 7 Mar 2018 19:19

Tgt Ion:252 Resp: 20638
Ion Ratio Lower Upper
252 100
253 24.5 17.1 25.7
125 21.4 9.8 14.6#



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

