

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121117\
 Data File : BF101310.D
 Acq On : 12 Dec 2017 3:22
 Operator : SJ/JU
 Sample : I6744-10
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 12 06:06:09 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	46721	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	165958	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	67702	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	115860	20.00	ng	0.00
75) Chrysene-d12	14.01	240	96930	20.00	ng	0.00
86) Perylene-d12	15.49	264	74263	20.00	ng	0.02

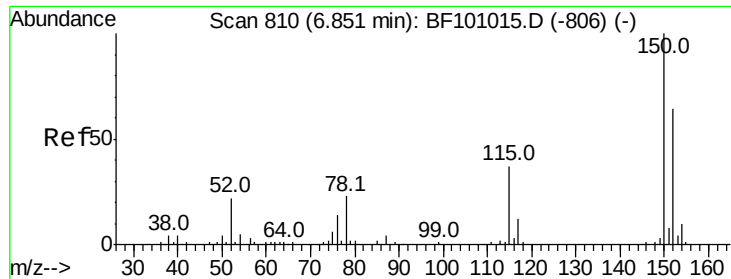
System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	391084	138.32	ng	0.02
7) Phenol-d6	6.47	99	474780	138.31	ng	0.01
23) Nitrobenzene-d5	7.40	82	276040	99.22	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	92229	113.40	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	522233	105.54	ng	0.00
78) Terphenyl-d14	12.95	244	403426	91.03	ng	0.01

Target Compounds

						Qvalue
10) Phenol	6.49	94	18016	4.720	ng	86
19) n-Nitroso-di-n-propylamine	7.40	70	37982	16.430	ng	# 82
25) Isophorone	7.40	82	276036	58.088	ng	# 64
49) Dimethylphthalate	9.58	163	44191	8.094	ng	99
56) 2,4-Dinitrotoluene	9.87	165	8558	5.553	ng	# 21
66) 4-Bromophenyl-phenylether	10.66	248	5534	4.267	ng	# 1
70) Phenanthrene	11.39	178	15134	2.372	ng	97
74) Fluoranthene	12.58	202	30847	4.362	ng	96
77) Pyrene	12.81	202	27904	4.172	ng	98
80) Benzo(a)anthracene	14.00	228	15555	2.542	ng	97
82) Chrysene	14.00	228	15555	2.737	ng	95
83) Bis(2-ethylhexyl)phthalate	13.97	149	14893	3.542	ng	# 96
87) Benzo(b)fluoranthene	15.06	252	19699	4.429	ng	# 84
88) Benzo(k)fluoranthene	15.06	252	19699	4.495	ng	# 87
89) Benzo(a)pyrene	15.43	252	12331	3.049	ng	# 85
91) Benzo(g,h,i)perylene	17.44	276	23424	6.972	ng	94

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

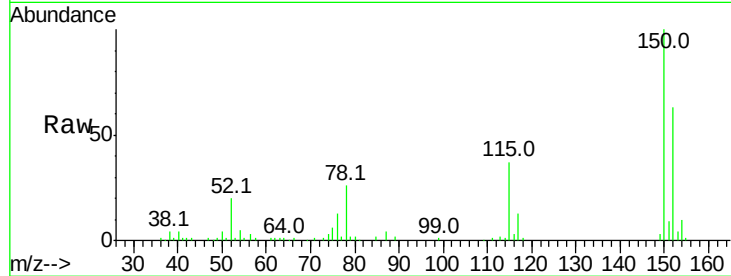


#1

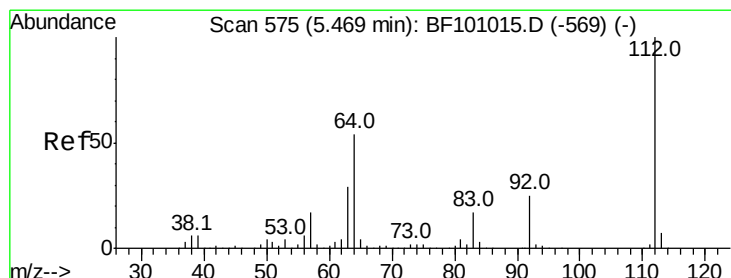
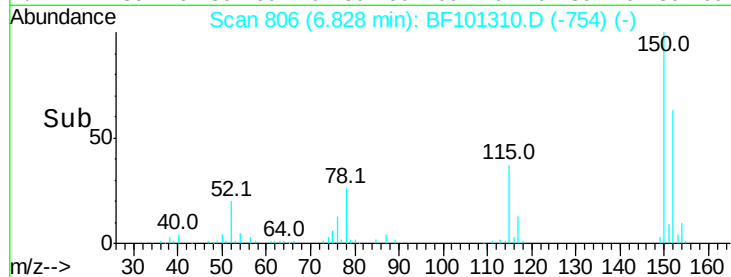
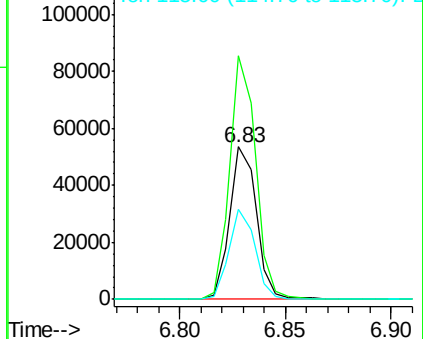
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF101310.D
Acq: 12 Dec 2017 3:22

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 46721
Ion Ratio Lower Upper
152 100
150 159.9 124.6 186.8
115 58.8 50.1 75.1



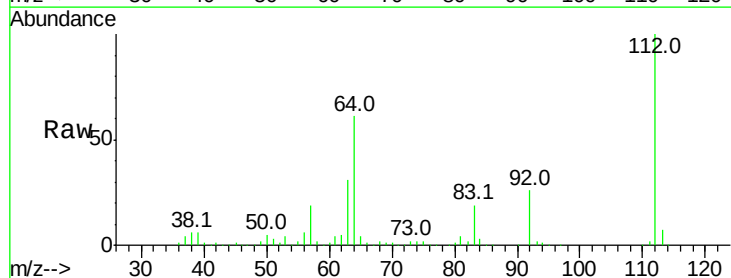
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



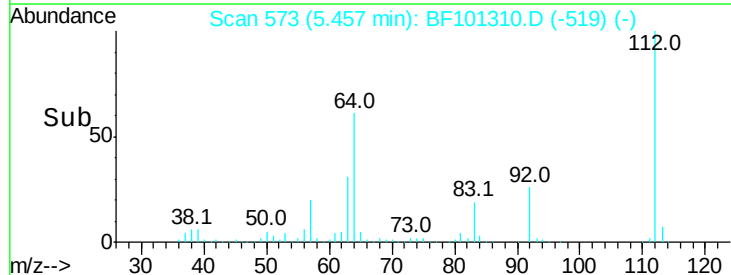
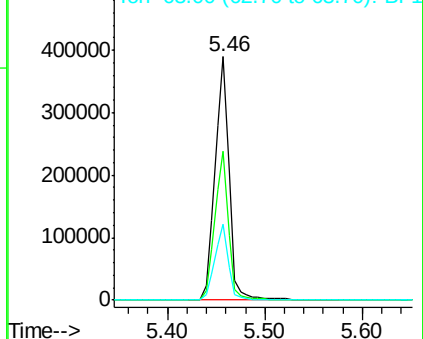
#5

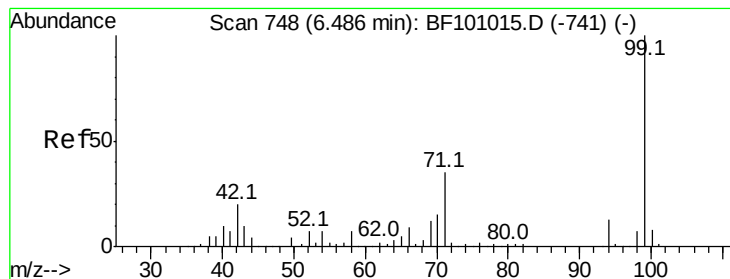
2-Fluorophenol
Concen: 138.320 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.02 min
Lab File: BF101310.D
Acq: 12 Dec 2017 3:22

Tgt Ion:112 Resp: 391084
Ion Ratio Lower Upper
112 100
64 61.0 47.9 71.9
63 31.2 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: 138.310 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.01 min

Lab File: BF101310.D

Acq: 12 Dec 2017 3:22

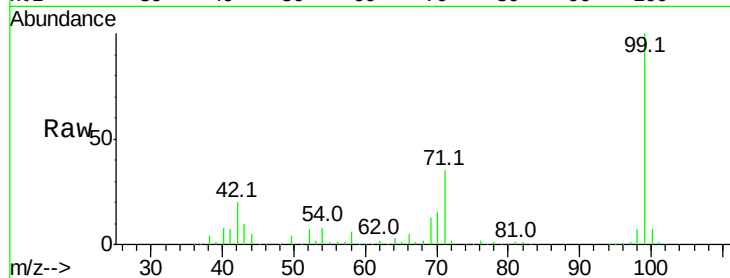
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 474780

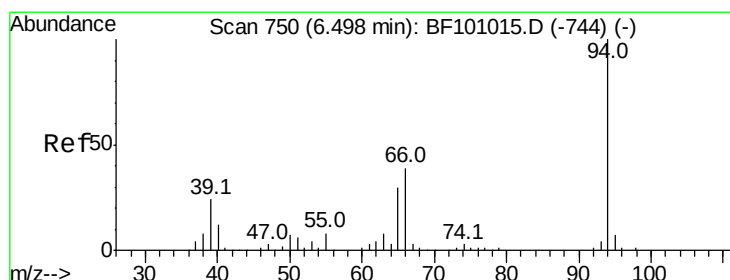
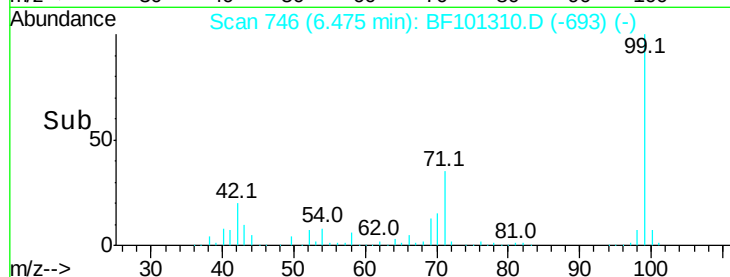
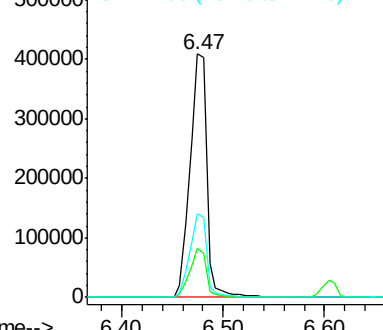
Ion	Ratio	Lower	Upper
99	100		
42	20.2	14.5	21.7
71	34.6	25.4	38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.720 ng

RT: 6.49 min Scan# 748

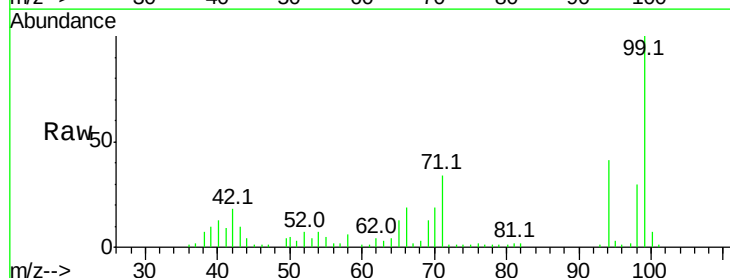
Delta R.T. 0.01 min

Lab File: BF101310.D

Acq: 12 Dec 2017 3:22

Tgt Ion: 94 Resp: 18016

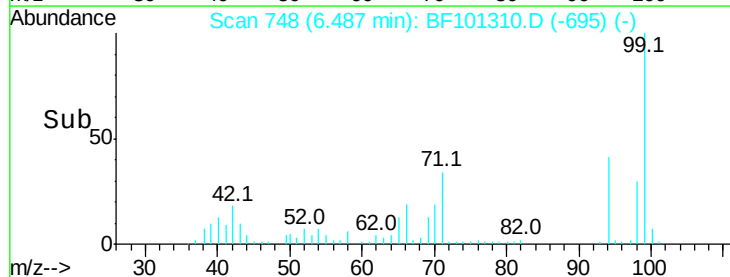
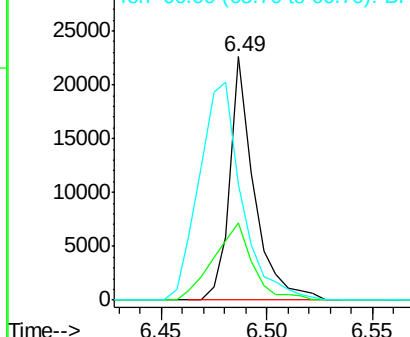
Ion	Ratio	Lower	Upper
94	100		
65	31.6	7.9	47.9
66	47.4	16.2	56.2

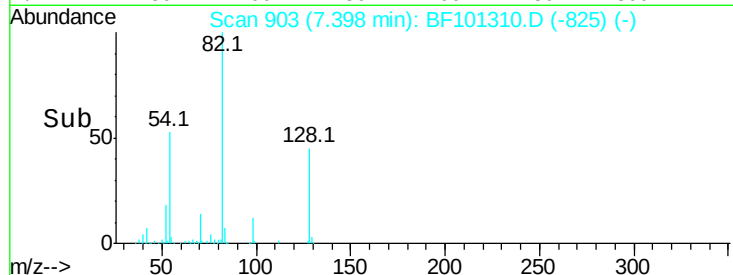
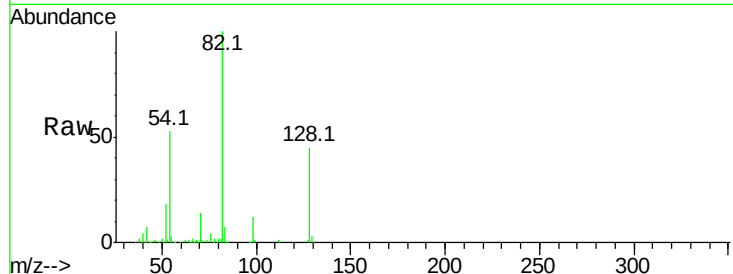
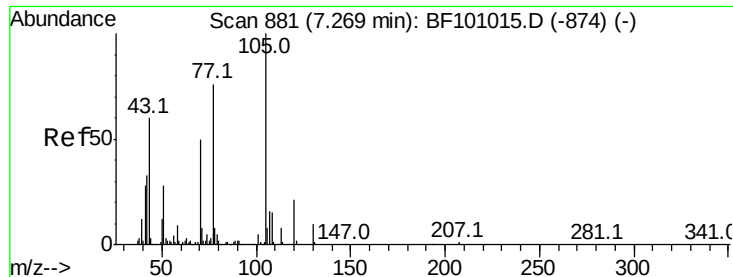


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

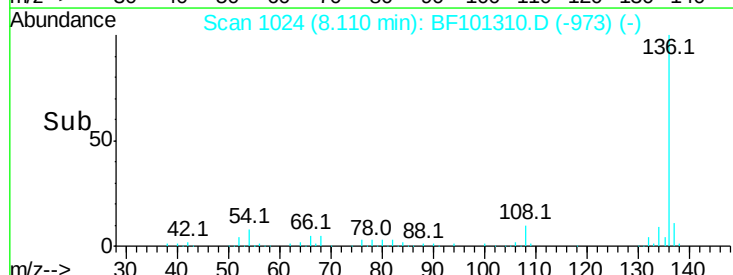
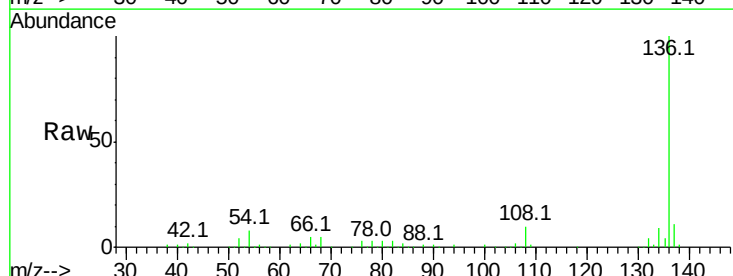
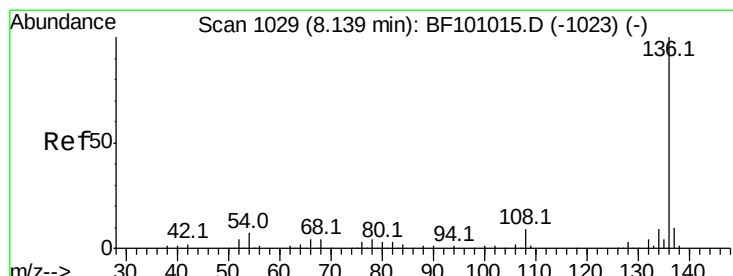
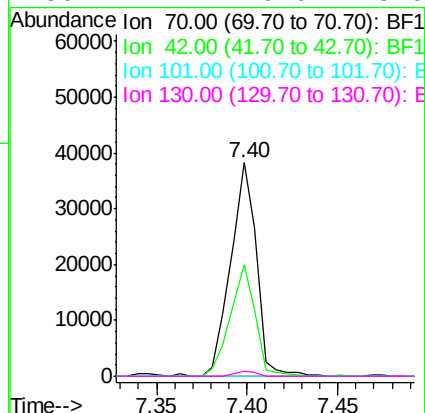




#19
n-Nitroso-di-n-propylamine
Concen: 16.430 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.16 min
Lab File: BF101310.D
Acq: 12 Dec 2017 3:22

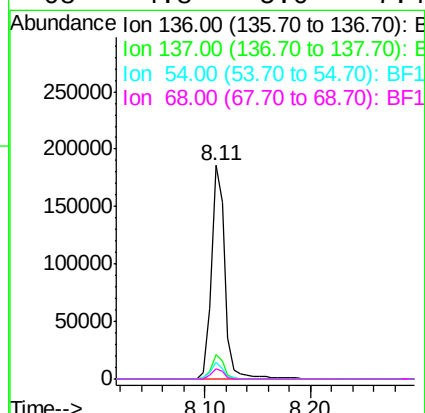
Instrument :
BNA_F
ClientSampled :

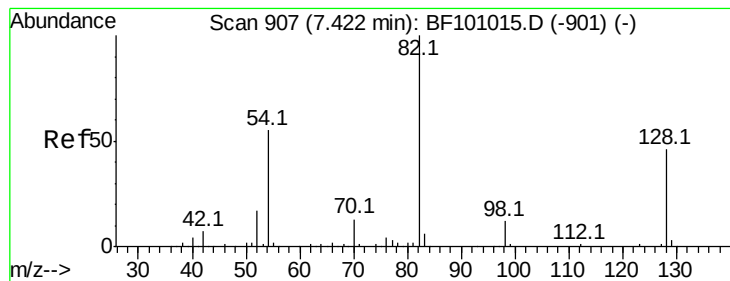
Tot Ion: 70 Resp: 37982
Ion Ratio Lower Upper
70 100
42 52.0 47.5 71.3
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BF101310.D
Acq: 12 Dec 2017 3:22

Tgt Ion: 136 Resp: 165958
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 7.6 6.6 9.8
68 4.8 5.0 7.4#





#23

Nitrobenzene-d5

Concen: 99.222 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.00 min

Lab File: BF101310.D

Acq: 12 Dec 2017 3:22

Instrument :

BNA_F

ClientSampled :

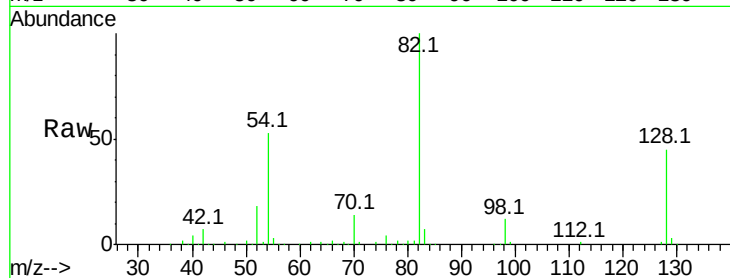
Tot Ion: 82 Resp: 276040

Ion Ratio Lower Upper

82 100

128 45.5 36.1 54.1

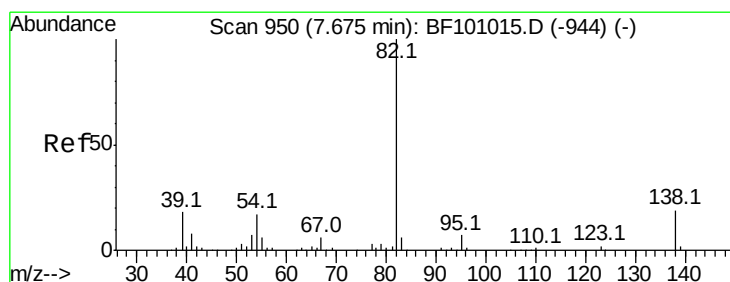
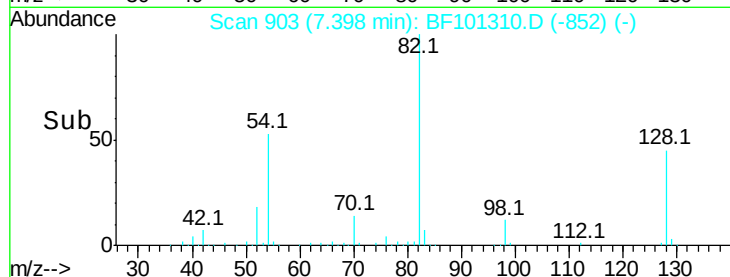
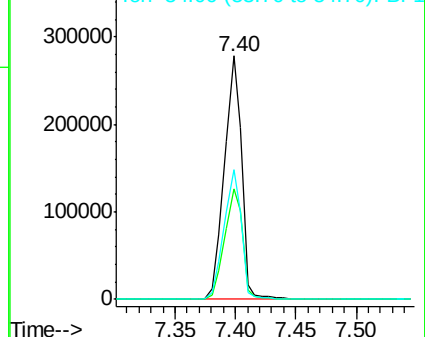
54 53.4 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 58.088 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.25 min

Lab File: BF101310.D

Acq: 12 Dec 2017 3:22

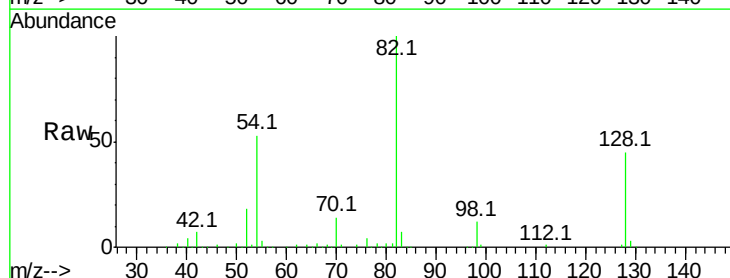
Tgt Ion: 82 Resp: 276036

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

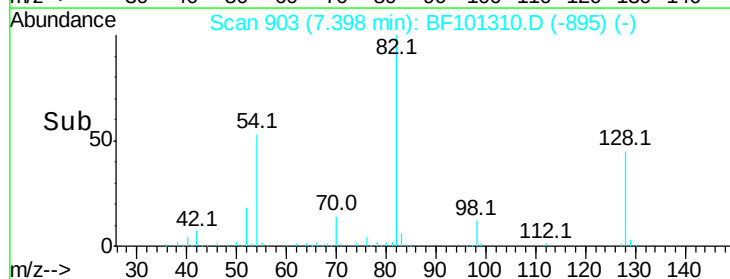
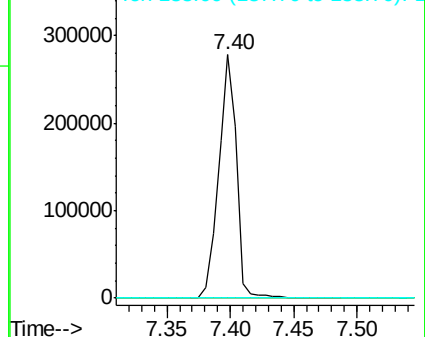
138 0.0 14.9 22.3#

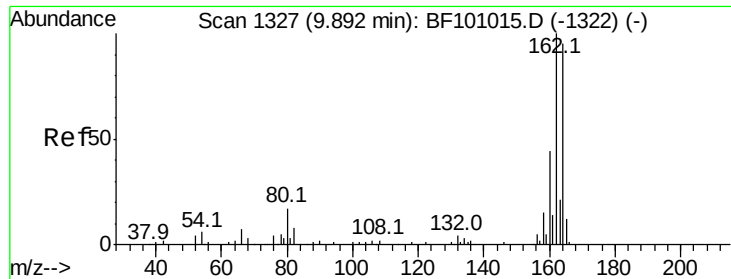


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

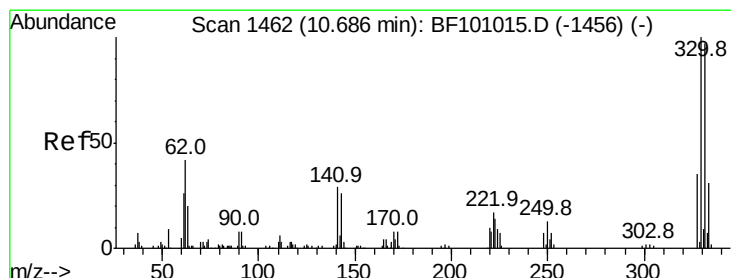
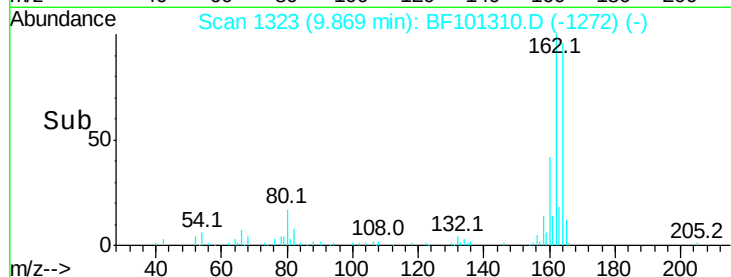
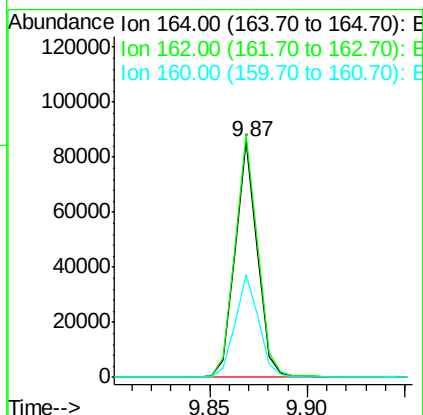
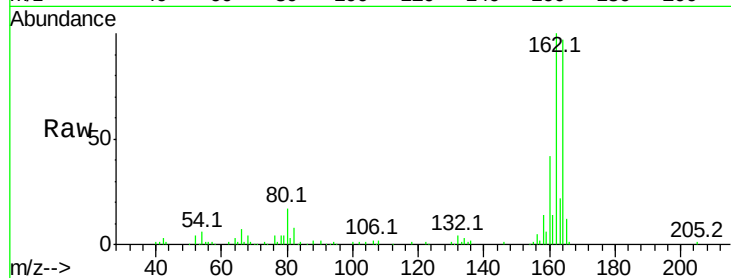




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: BF101310.D
 Acq: 12 Dec 2017 3:22

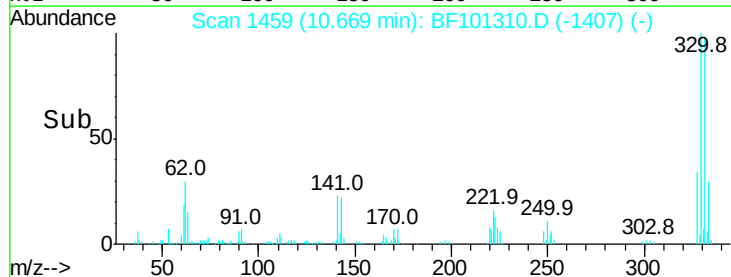
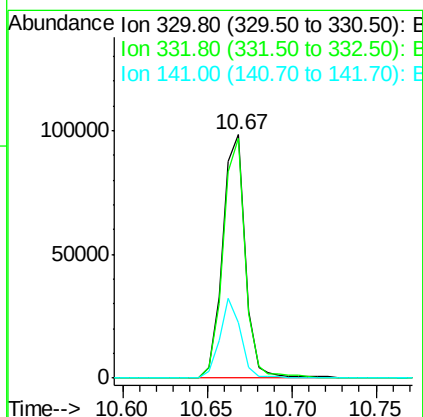
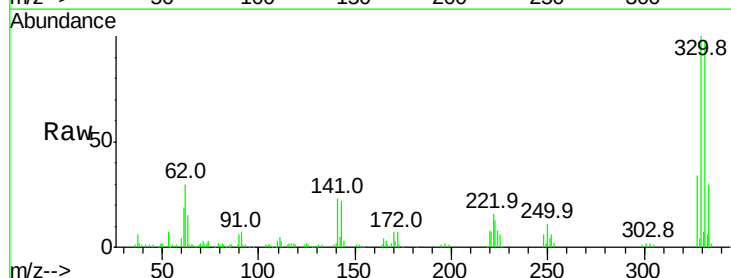
Instrument :
 BNA_F
 ClientSampled :

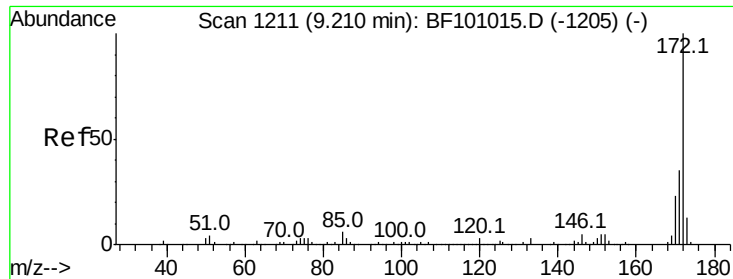
Tot Ion:164 Resp: 67702
 Ion Ratio Lower Upper
 164 100
 162 103.3 86.1 129.1
 160 43.7 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 113.402 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. 0.01 min
 Lab File: BF101310.D
 Acq: 12 Dec 2017 3:22

Tgt Ion:330 Resp: 92229
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.0 115.6
 141 30.5 29.9 44.9

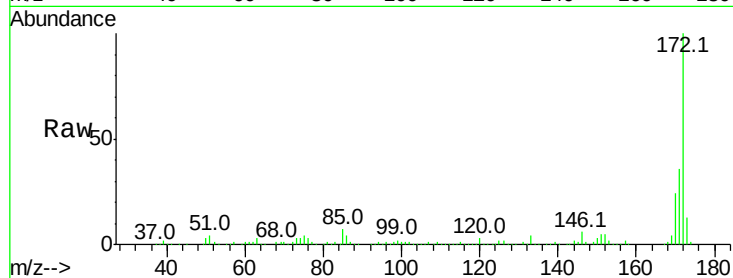




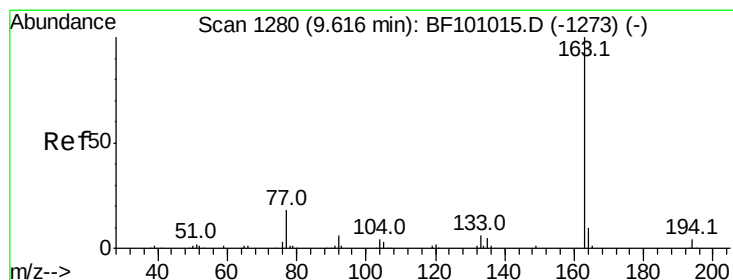
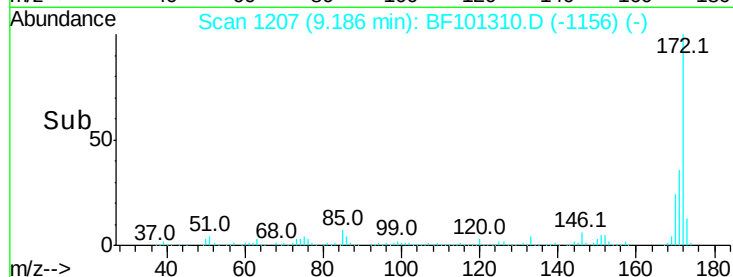
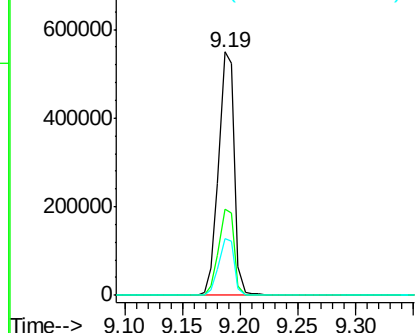
#44
2-Fluorobiphenyl
Concen: 105.539 ng
RT: 9.19 min Scan# 1207
Delta R.T. 0.00 min
Lab File: BF101310.D
Acq: 12 Dec 2017 3:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 522233
Ion Ratio Lower Upper
172 100
171 35.6 29.7 44.5
170 23.5 19.6 29.4

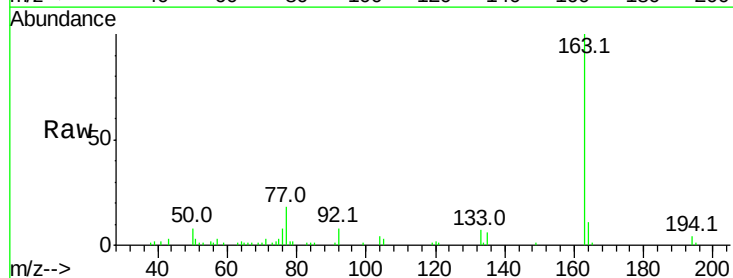


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

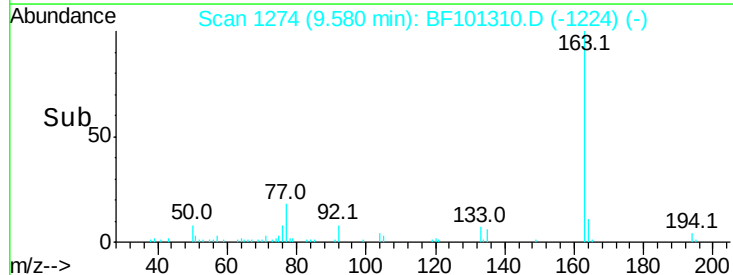
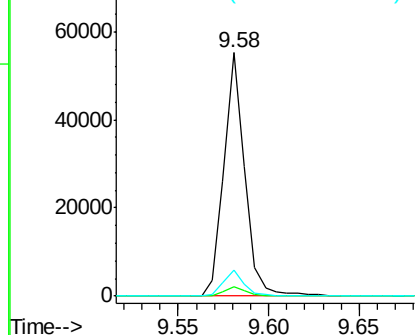


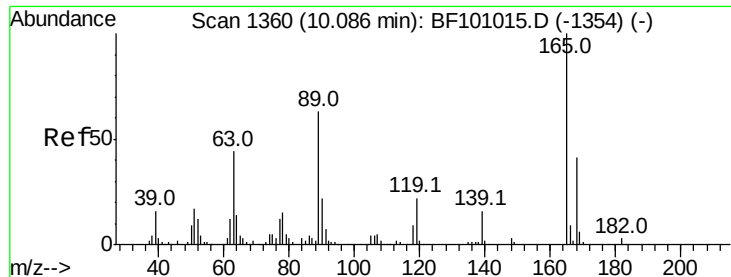
#49
Dimethylphthalate
Concen: 8.094 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BF101310.D
Acq: 12 Dec 2017 3:22

Tgt Ion:163 Resp: 44191
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 10.6 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

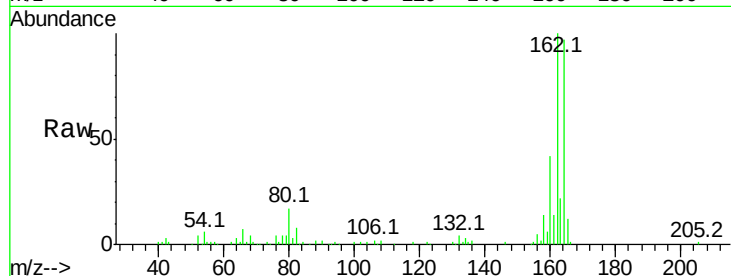




#56
 2,4-Dinitrotoluene
 Concen: 5.553 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.19 min
 Lab File: BF101310.D
 Acq: 12 Dec 2017 3:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#

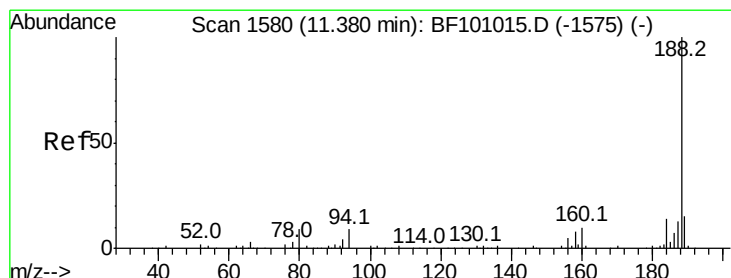
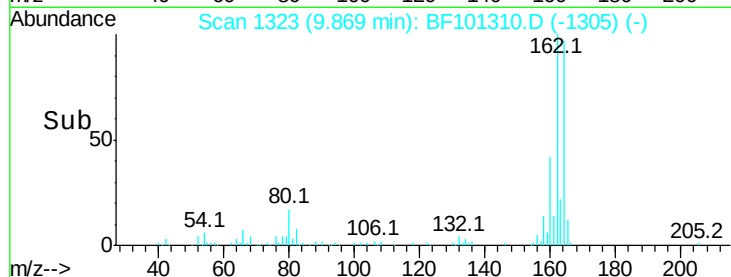
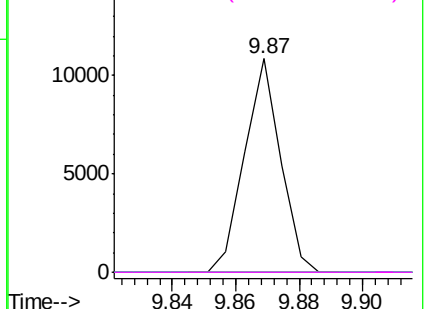


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

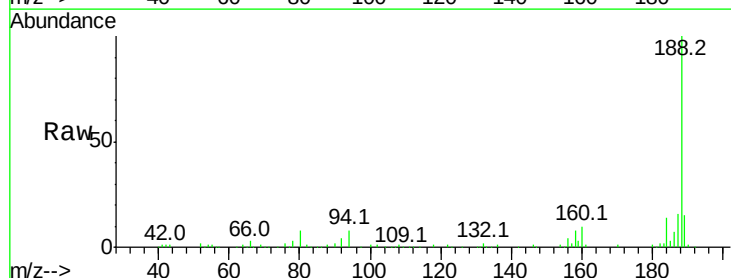
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. 0.01 min
 Lab File: BF101310.D
 Acq: 12 Dec 2017 3:22

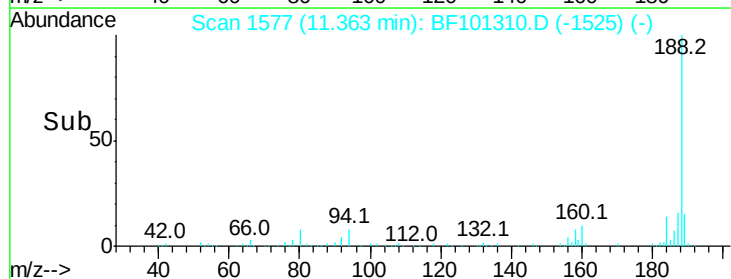
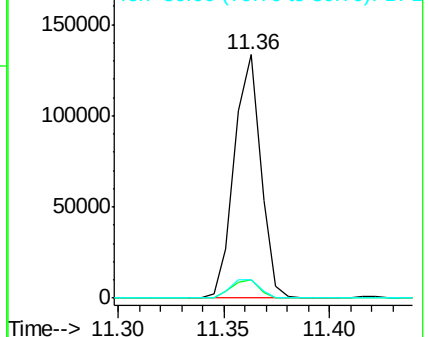
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.7	8.5	12.7#
80	7.8	9.2	13.8#

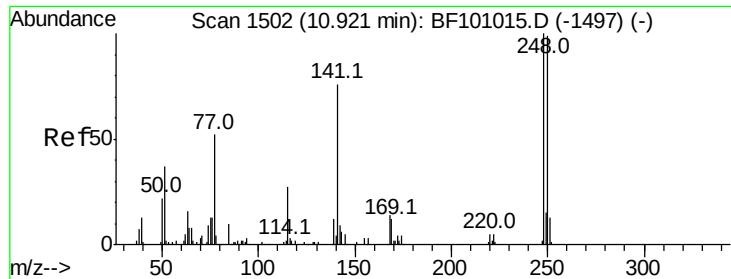


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

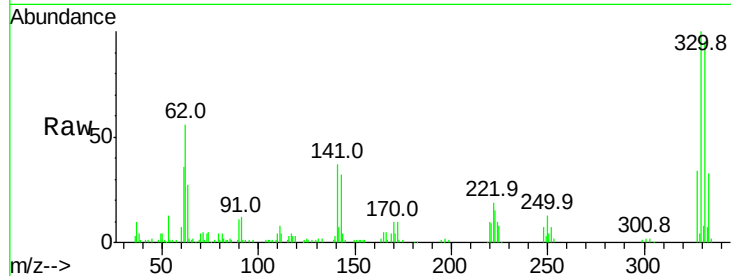




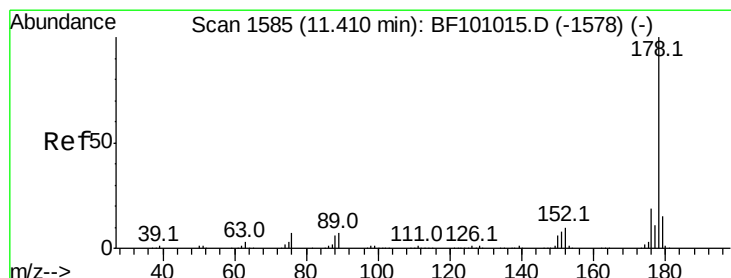
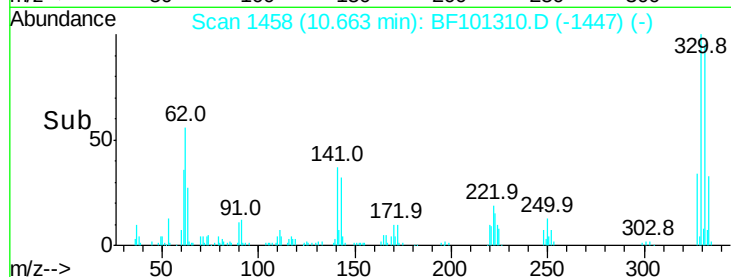
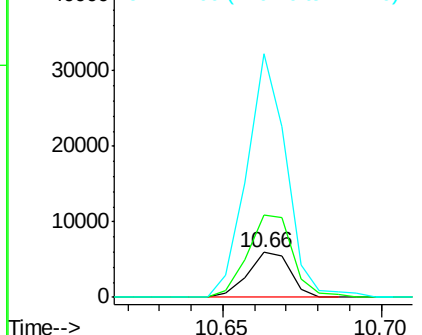
#66
 4-Bromophenyl-phenylether
 Concen: 4.267 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.24 min
 Lab File: BF101310.D
 Acq: 12 Dec 2017 3:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 5534
 Ion Ratio Lower Upper
 248 100
 250 184.5 76.9 115.3#
 141 542.7 74.4 111.6#

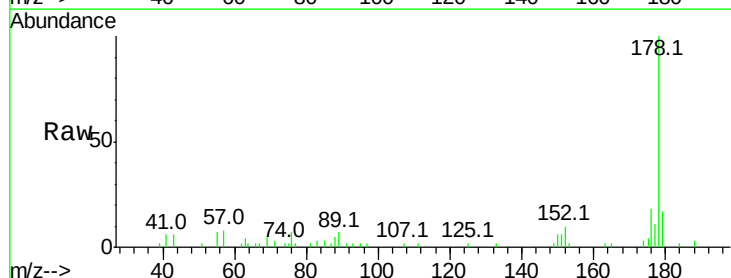


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

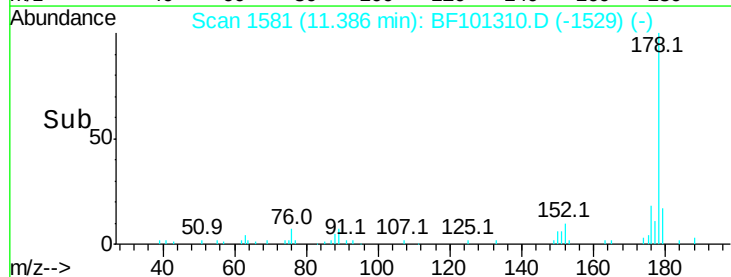
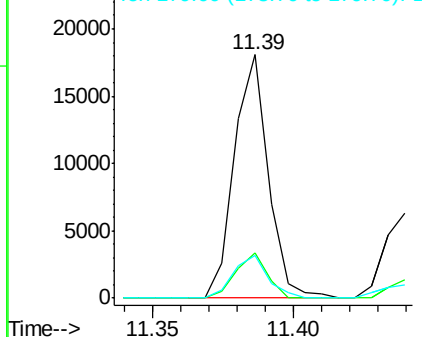


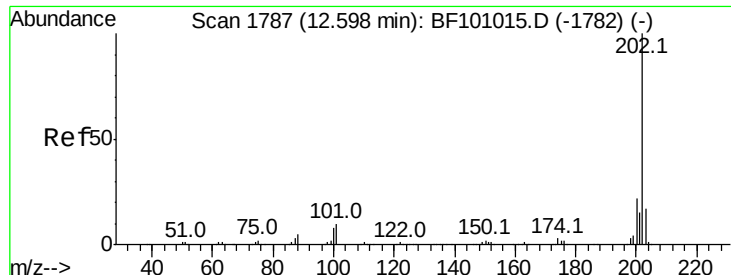
#70
 Phenanthrene
 Concen: 2.372 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. 0.01 min
 Lab File: BF101310.D
 Acq: 12 Dec 2017 3:22

Tgt Ion:178 Resp: 15134
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.8 23.8
 179 17.3 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





#74

Fluoranthene

Concen: 4.362 ng

RT: 12.58 min Scan# 1784

Delta R.T. 0.01 min

Lab File: BF101310.D

Acq: 12 Dec 2017 3:22

Instrument :

BNA_F

ClientSampled :

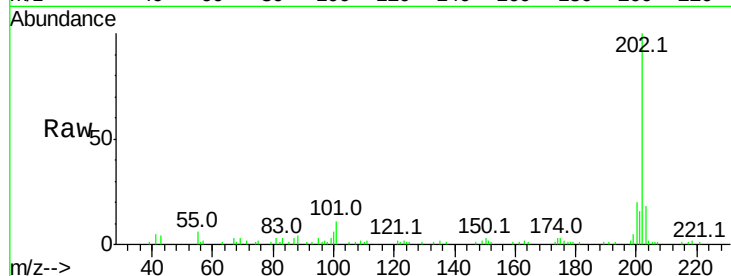
Tot Ion:202 Resp: 30847

Ion Ratio Lower Upper

202 100

101 10.8 0.0 34.1

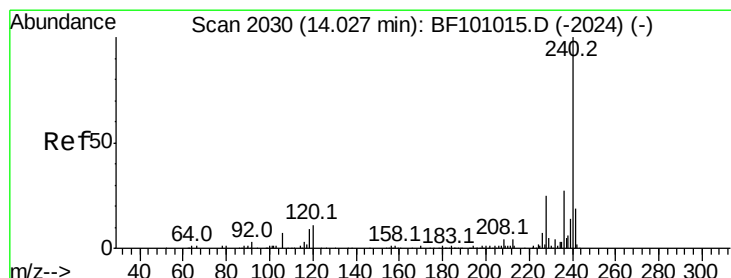
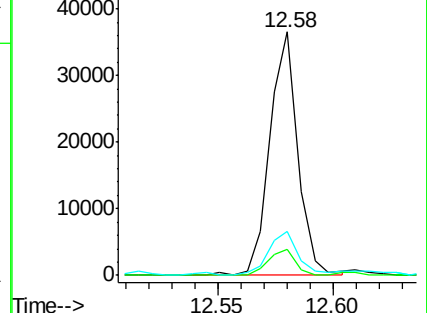
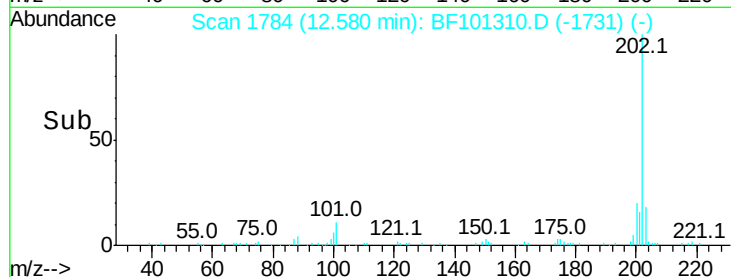
203 18.1 0.0 38.1



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: 14.01 min Scan# 2027

Delta R.T. 0.01 min

Lab File: BF101310.D

Acq: 12 Dec 2017 3:22

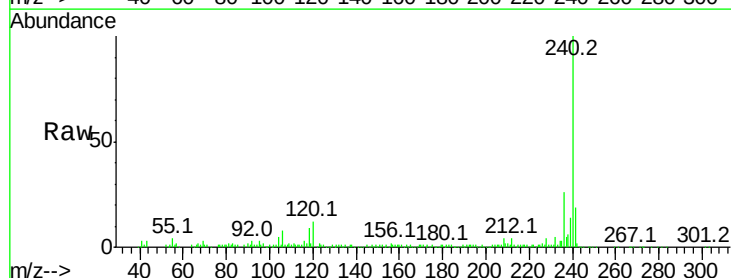
Tgt Ion:240 Resp: 96930

Ion Ratio Lower Upper

240 100

120 12.1 9.5 14.3

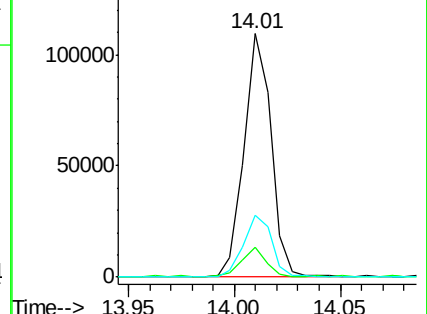
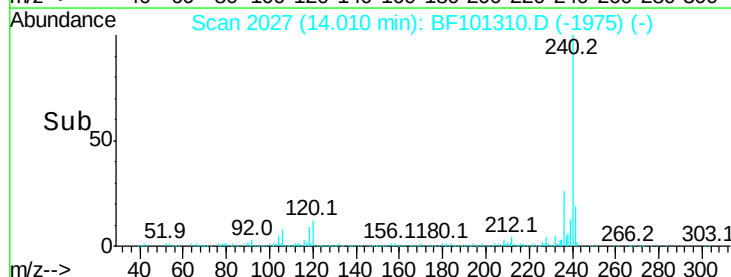
236 25.6 20.7 31.1

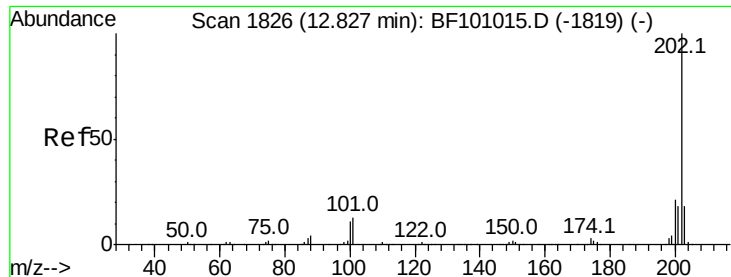


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

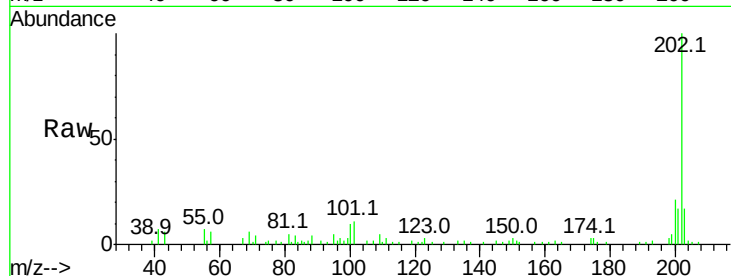




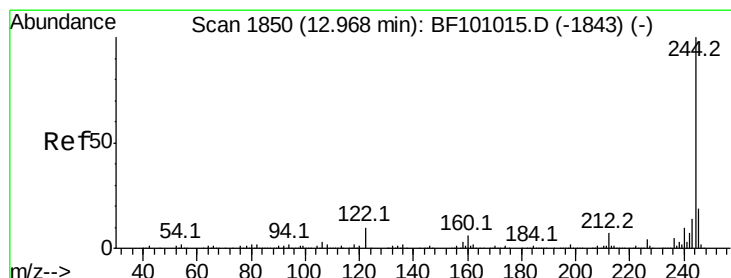
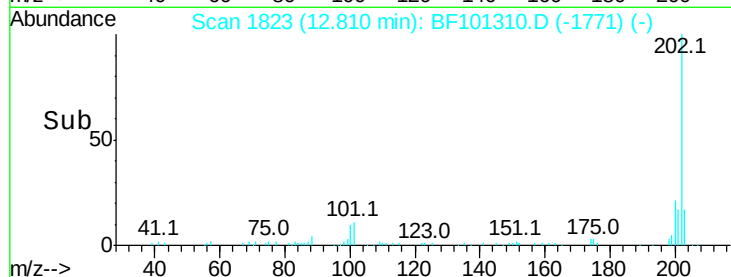
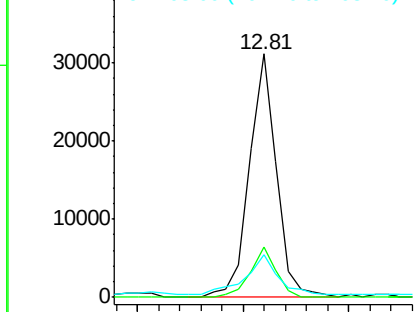
#77
 Pvrene
 Concen: 4.172 ng
 RT: 12.81 min Scan# 1823
 Delta R.T. 0.01 min
 Lab File: BF101310.D
 Acq: 12 Dec 2017 3:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:202 Resp: 27904
 Ion Ratio Lower Upper
 202 100
 200 20.5 17.4 26.2
 203 17.4 14.3 21.5

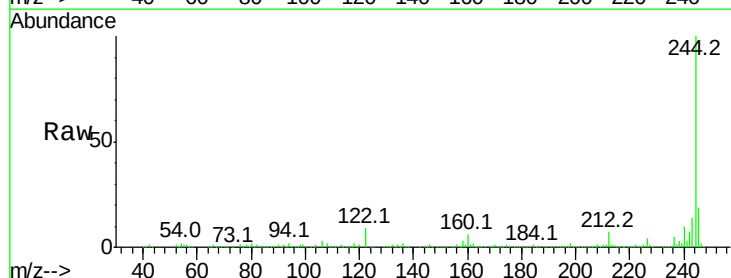


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

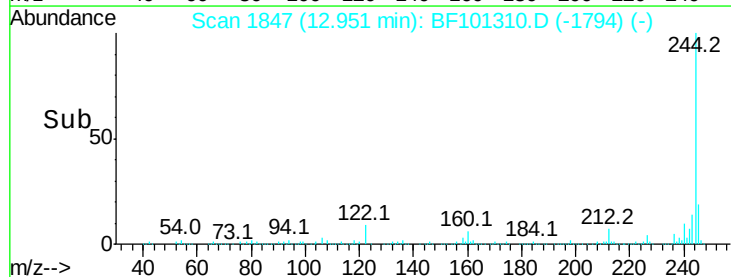
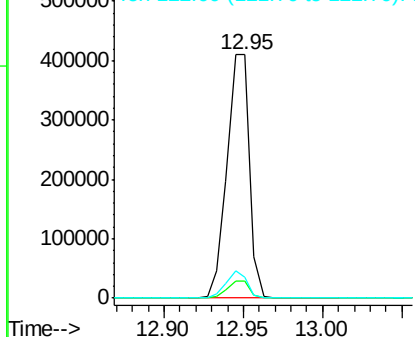


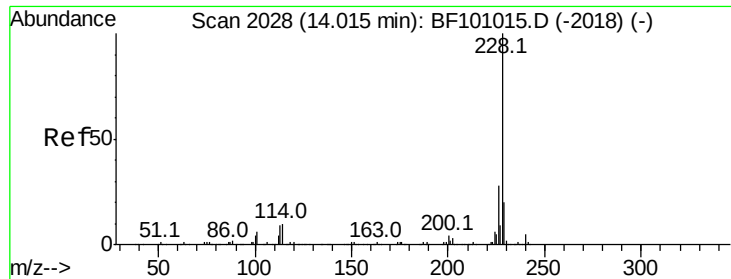
#78
 Terphenyl-d14
 Concen: 91.035 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. 0.01 min
 Lab File: BF101310.D
 Acq: 12 Dec 2017 3:22

Tgt Ion:244 Resp: 403426
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 8.8 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: 2.542 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.01 min

Lab File: BF101310.D

Acq: 12 Dec 2017 3:22

Instrument :

BNA_F

ClientSampleId :

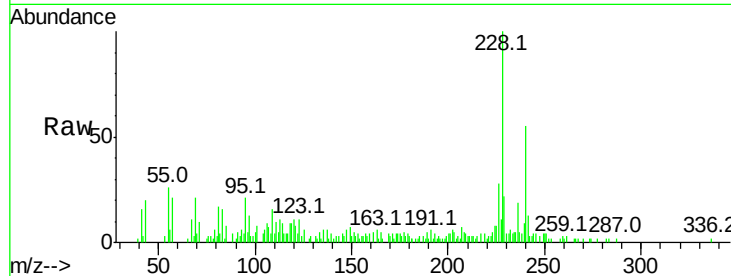
Tot Ion:228 Resp: 15555

Ion Ratio Lower Upper

228 100

226 27.6 22.6 33.8

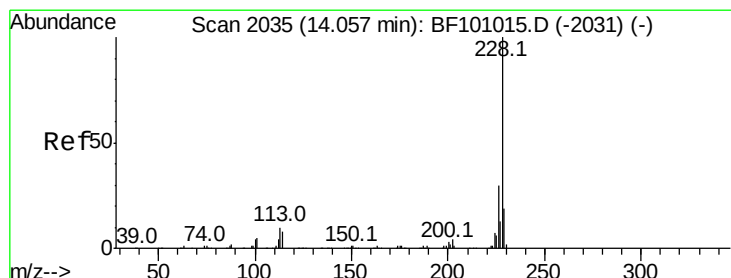
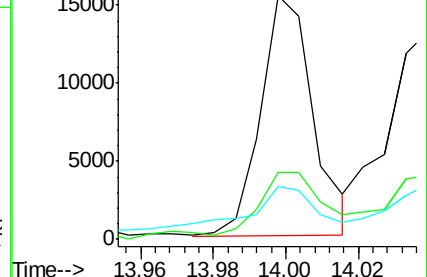
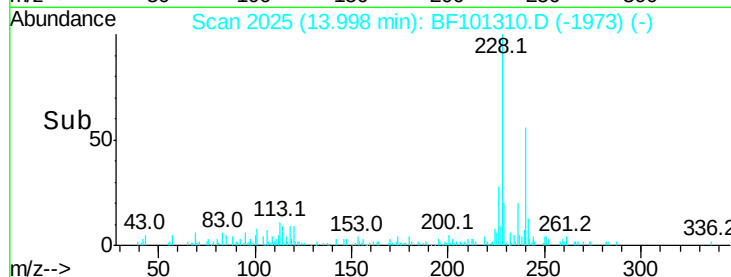
229 21.9 15.8 23.6



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: 2.737 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.04 min

Lab File: BF101310.D

Acq: 12 Dec 2017 3:22

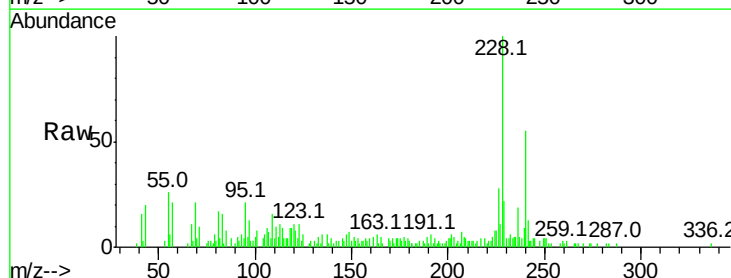
Tgt Ion:228 Resp: 15555

Ion Ratio Lower Upper

228 100

226 27.6 25.0 37.6

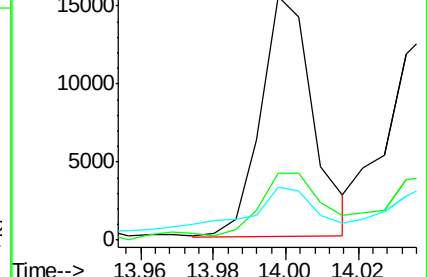
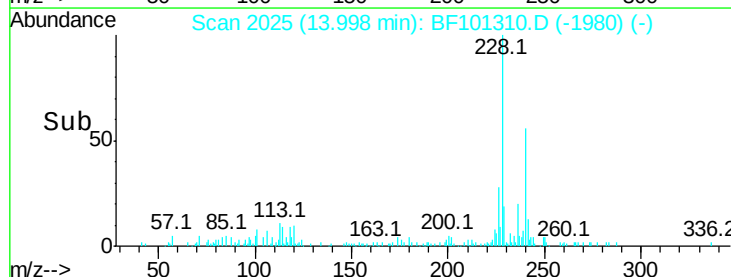
229 21.9 16.2 24.4

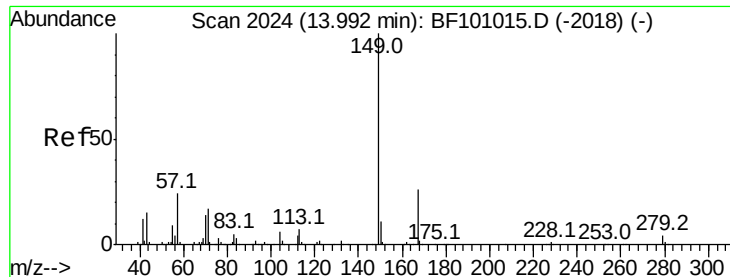


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 3.542 ng

RT: 13.97 min Scan# 2020

Delta R.T. 0.01 min

Lab File: BF101310.D

Acq: 12 Dec 2017 3:22

Instrument :

BNA_F

ClientSampled :

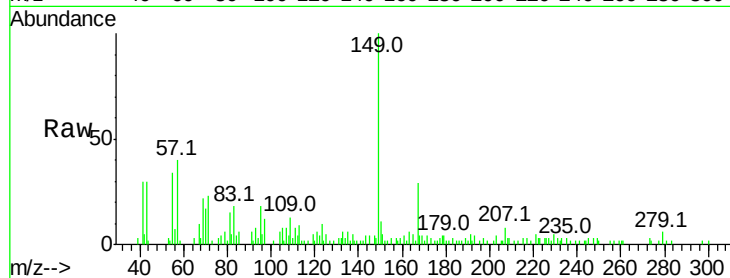
Tot Ion:149 Resp: 14893

Ion Ratio Lower Upper

149 100

167 28.6 21.3 31.9

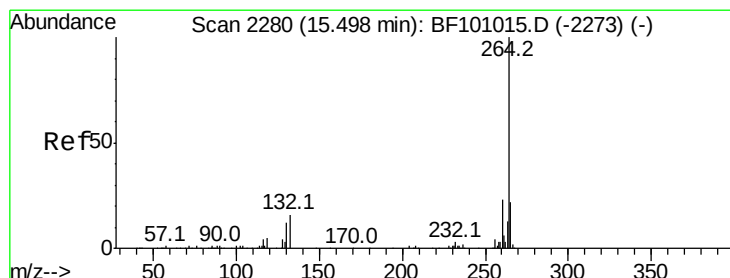
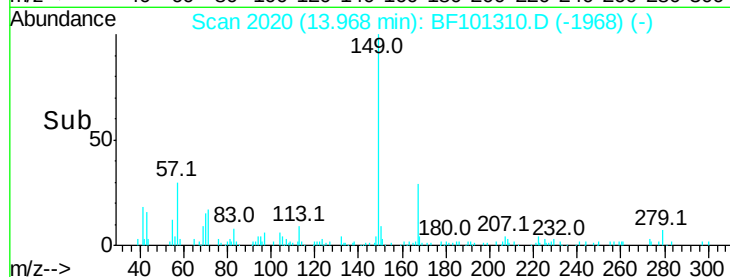
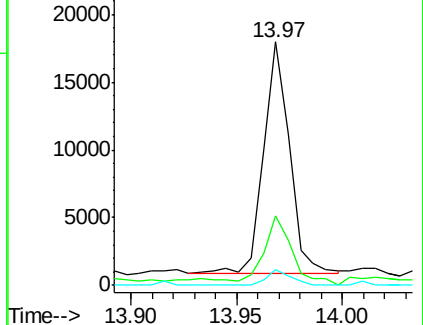
279 6.4 3.0 4.4#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2279

Delta R.T. 0.02 min

Lab File: BF101310.D

Acq: 12 Dec 2017 3:22

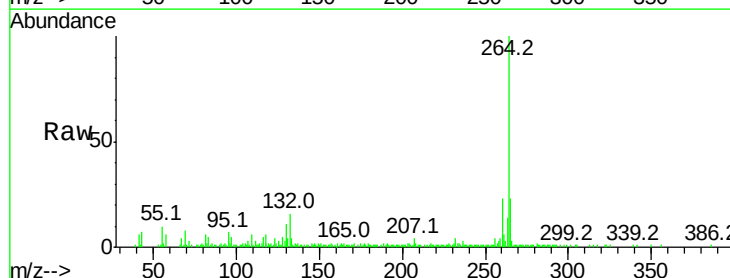
Tgt Ion:264 Resp: 74263

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

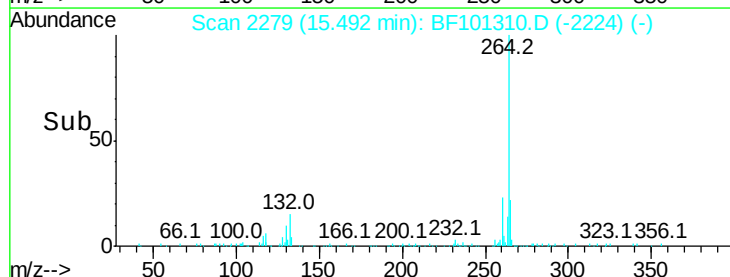
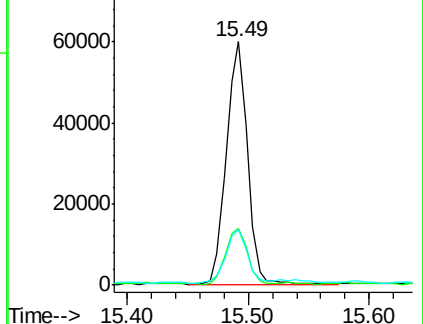
265 22.8 17.5 26.3

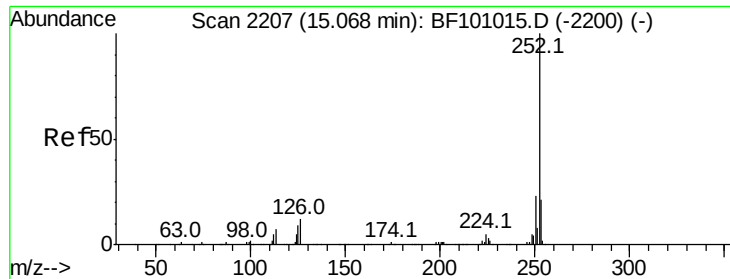


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

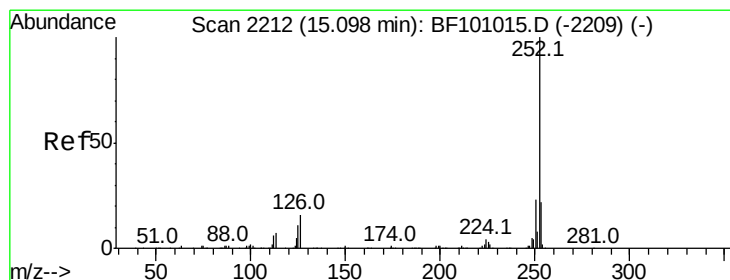
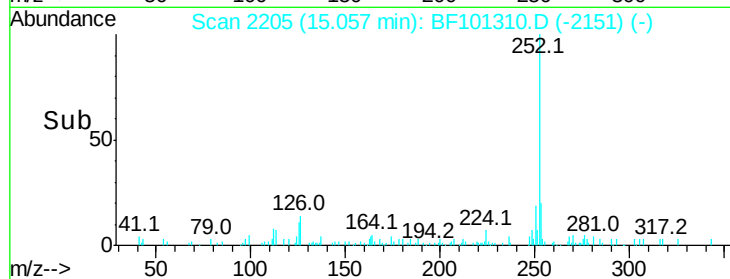
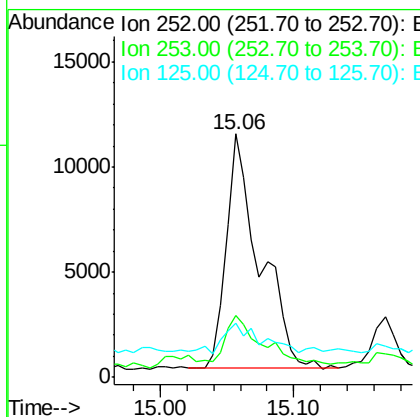
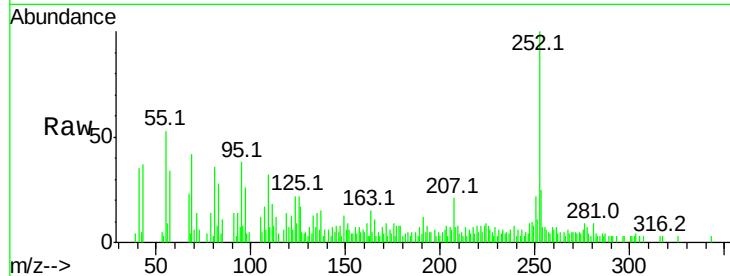




#87
 Benzo(b)fluoranthene
 Concen: 4.429 ng
 RT: 15.06 min Scan# 2205
 Delta R.T. 0.02 min
 Lab File: BF101310.D
 Acq: 12 Dec 2017 3:22

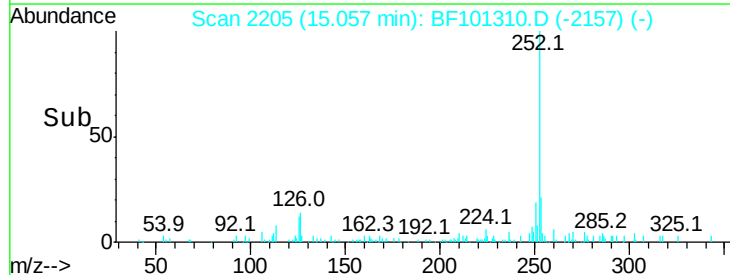
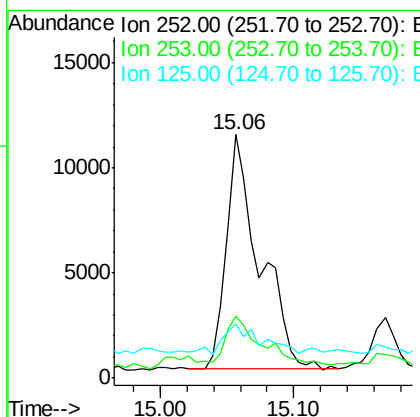
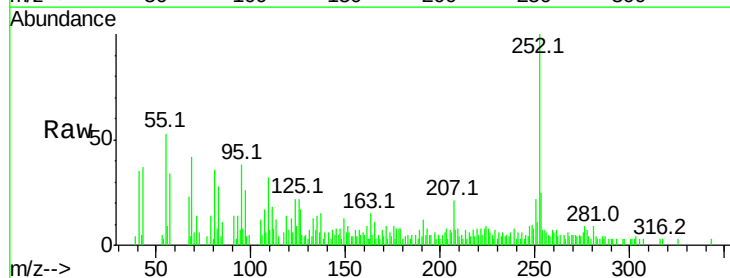
Instrument :
 BNA_F
 ClientSampleId :

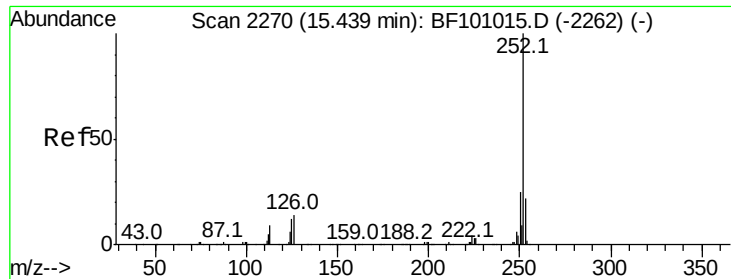
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.0	25.6
125	22.2	9.0	13.6



#88
 Benzo(k)fluoranthene
 Concen: 4.495 ng
 RT: 15.06 min Scan# 2205
 Delta R.T. -0.02 min
 Lab File: BF101310.D
 Acq: 12 Dec 2017 3:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.9	26.9
125	22.2	10.2	15.2

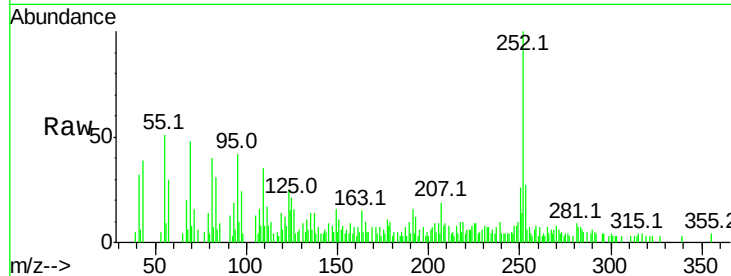




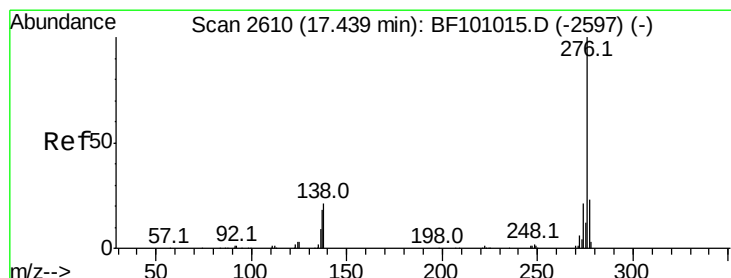
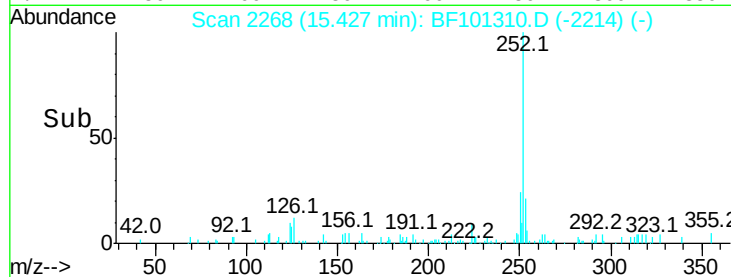
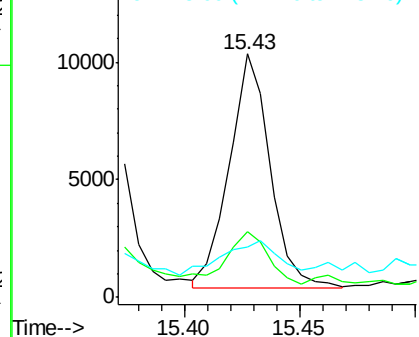
#89
Benzo(a)pyrene
Concen: 3.049 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.02 min
Lab File: BF101310.D
Acq: 12 Dec 2017 3:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.9	17.1	25.7#
125	20.7	9.8	14.6#

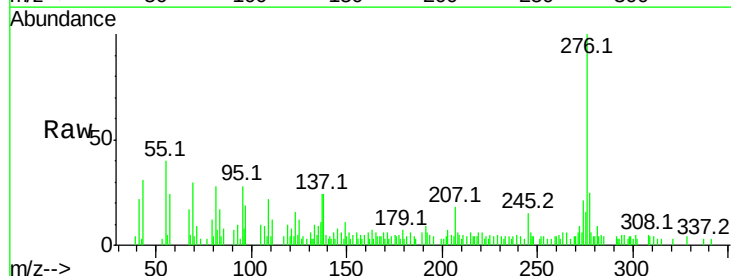


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 6.972 ng
RT: 17.44 min Scan# 2610
Delta R.T. 0.05 min
Lab File: BF101310.D
Acq: 12 Dec 2017 3:22

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	17.9	26.9
138	24.1	21.8	32.8



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

