

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
 Data File : BF101804.D
 Acq On : 28 Dec 2017 16:04
 Operator : SJ/JU
 Sample : I6970-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 28 16:33:01 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 26 10:48:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	151842	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	577717	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	224024	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	345709	20.00	ng	0.00
75) Chrysene-d12	13.96	240	308140	20.00	ng	0.00
86) Perylene-d12	15.43	264	294729	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	1090954	107.02	ng	0.00
7) Phenol-d6	6.43	99	1294013	102.00	ng	0.00
23) Nitrobenzene-d5	7.36	82	798462	76.94	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	213504	98.91	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	1175246	81.38	ng	0.00
78) Terphenyl-d14	12.89	244	858257	67.15	ng	0.00

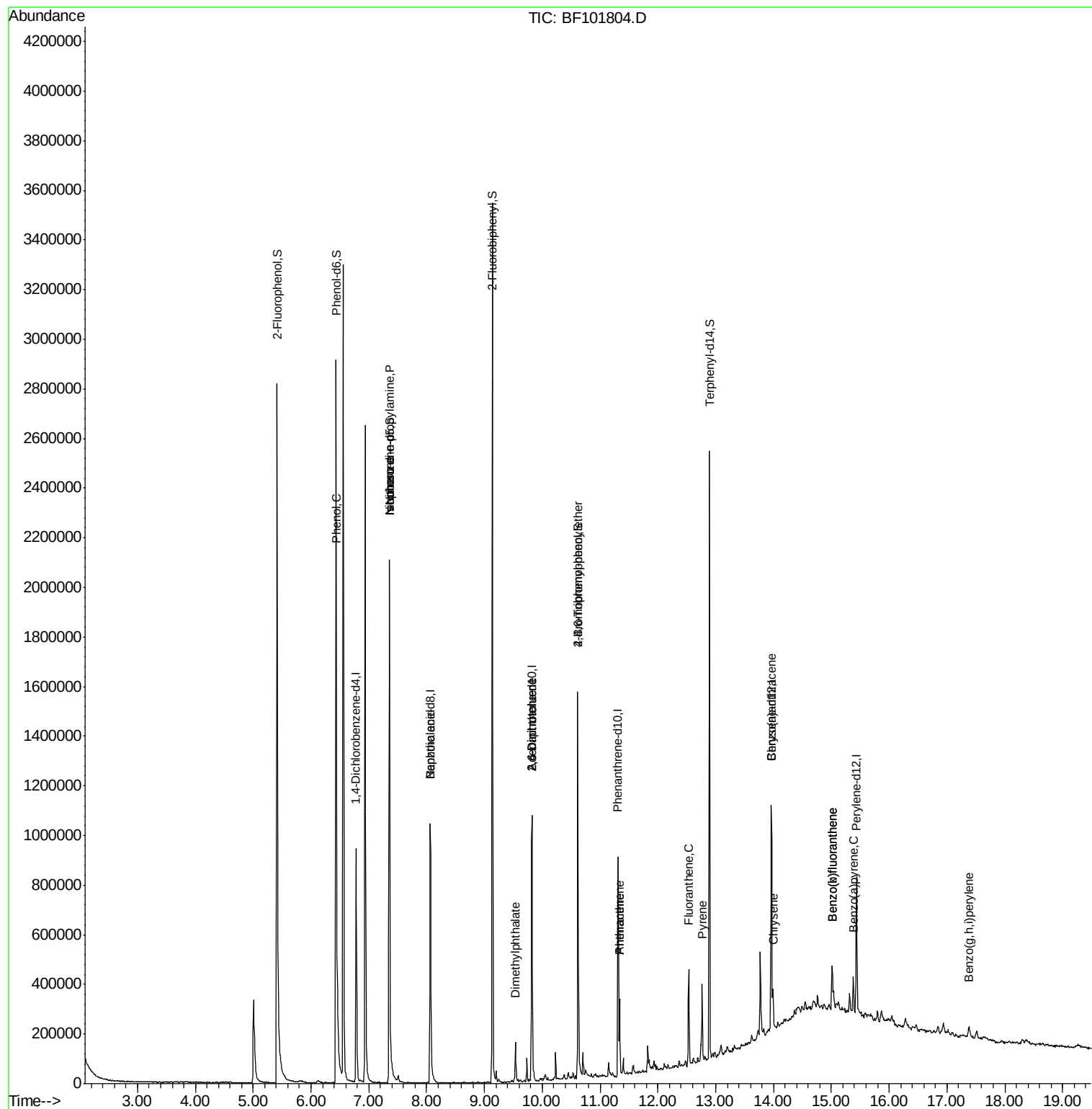
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.45	94	56501	3.908	ng	# 73
19) n-Nitroso-di-n-propylamine	7.36	70	102470	12.299	ng	# 79
25) Isophorone	7.36	82	798462	38.351	ng	# 64
32) Benzoic acid	8.06	122	115	7.978	ng	# 1
49) Dimethylphthalate	9.54	163	75763	4.204	ng	# 99
50) 2,6-Dinitrotoluene	9.82	165	28441	7.766	ng	# 26
56) 2,4-Dinitrotoluene	9.82	165	28441	6.893	ng	# 24
66) 4-Bromophenyl-phenylether	10.62	248	12916	3.325	ng	# 1
70) Phenanthrene	11.34	178	117666	6.120	ng	# 98
71) Anthracene	11.34	178	117666	5.992	ng	# 99
74) Fluoranthene	12.53	202	156591	7.760	ng	# 96
77) Pylene	12.76	202	134389	5.811	ng	# 99
80) Benzo(a)anthracene	13.96	228	73520	3.613	ng	# 97
82) Chrysene	13.99	228	60288	3.138	ng	# 98
87) Benzo(b)fluoranthene	15.02	252	100248	5.580	ng	# 94
88) Benzo(k)fluoranthene	15.02	252	100248	5.740	ng	# 97
89) Benzo(a)pyrene	15.38	252	52315	3.159	ng	# 92
91) Benzo(g,h,i)perylene	17.38	276	30024	2.132	ng	# 99

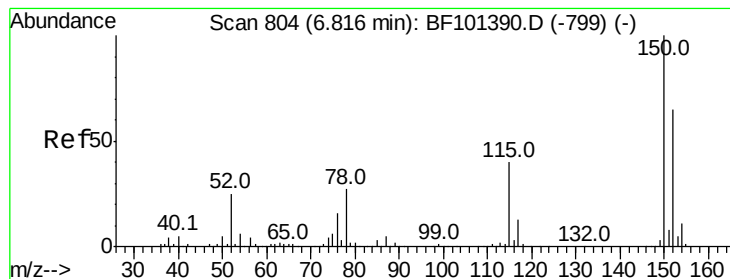
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.78 min Scan# 798

Delta R.T. -0.01 min

Lab File: BF101804.D

Acq: 28 Dec 2017 16:04

Instrument :

BNA_F

ClientSampleId :

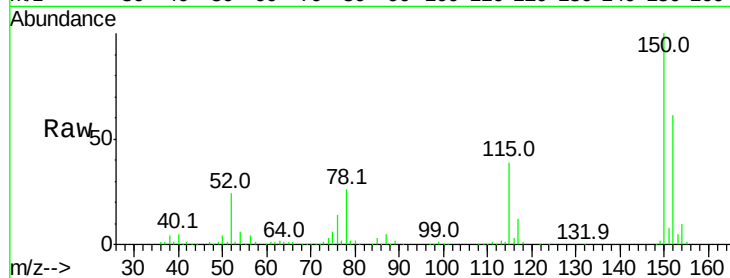
Tot Ion:152 Resp: 151842

Ion Ratio Lower Upper

152 100

150 163.3 124.6 186.8

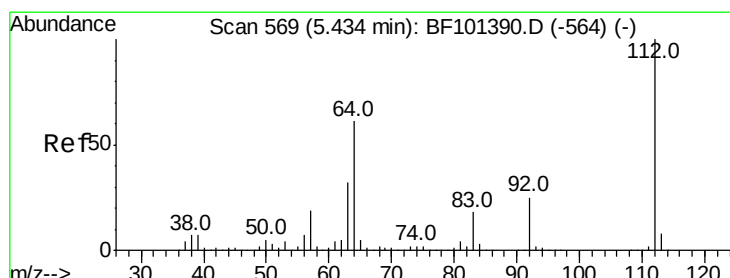
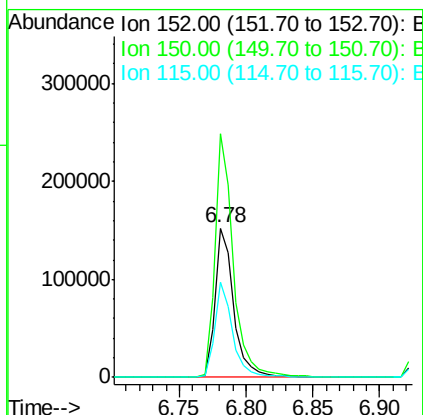
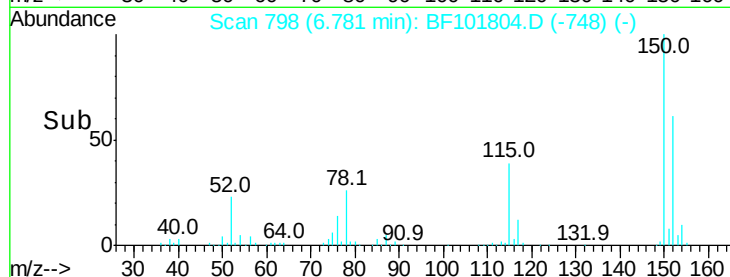
115 63.9 50.1 75.1



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: 107.023 ng

RT: 5.41 min Scan# 565

Delta R.T. 0.01 min

Lab File: BF101804.D

Acq: 28 Dec 2017 16:04

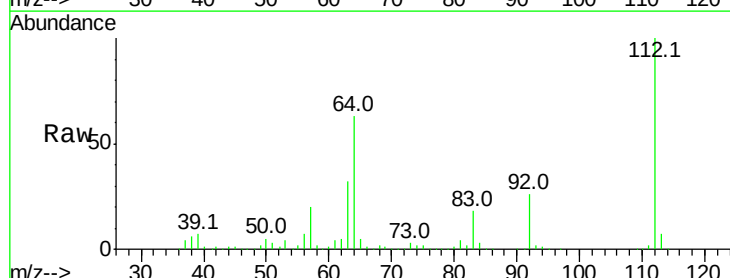
Tgt Ion:112 Resp: 1090954

Ion Ratio Lower Upper

112 100

64 62.6 47.9 71.9

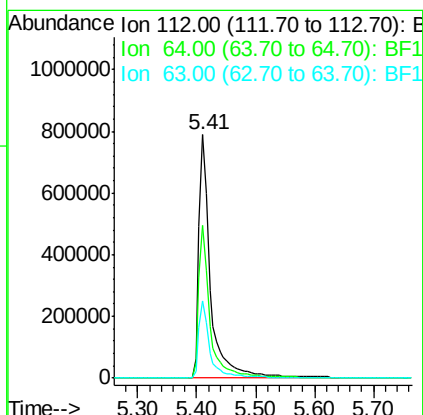
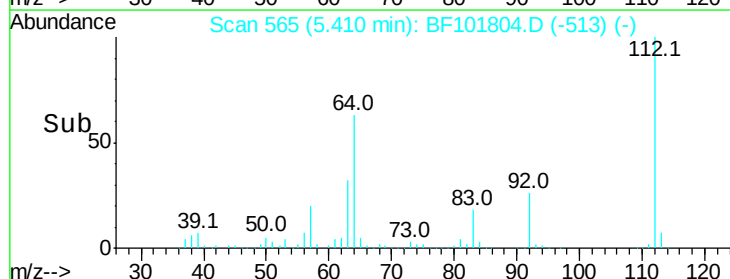
63 31.9 23.7 35.5

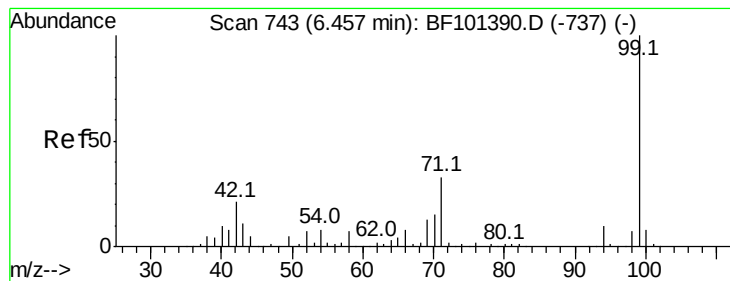


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 102.000 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF101804.D

Acq: 28 Dec 2017 16:04

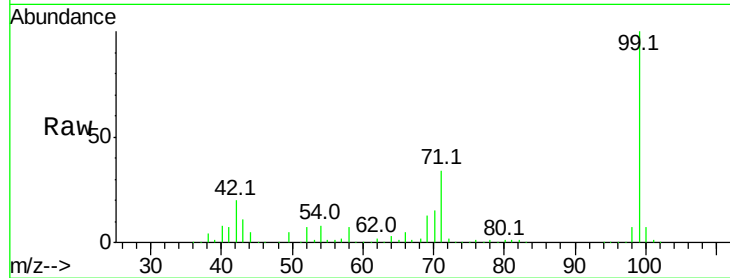
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1294013

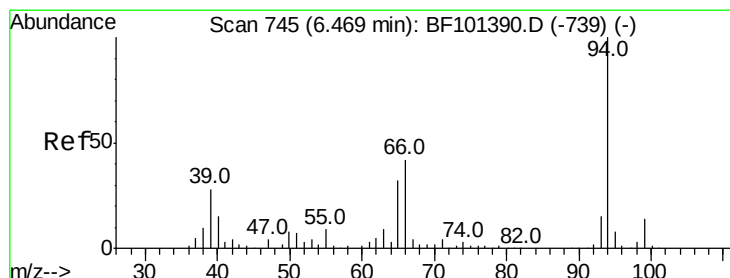
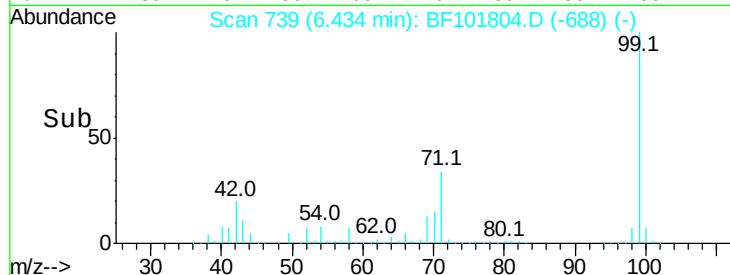
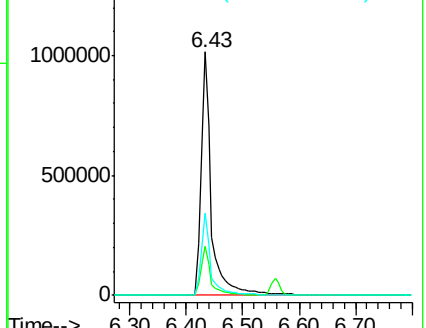
Ion	Ratio	Lower	Upper
99	100		
42	20.3	14.5	21.7
71	33.6	25.4	38.0



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: 3.908 ng

RT: 6.45 min Scan# 741

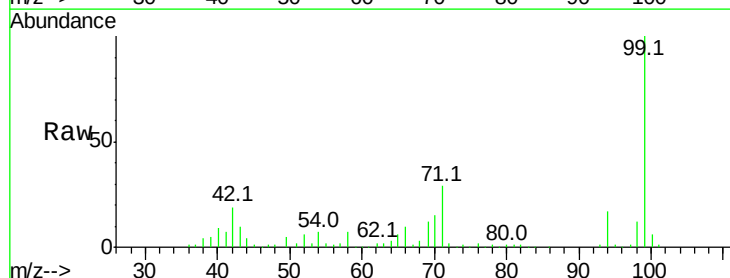
Delta R.T. -0.00 min

Lab File: BF101804.D

Acq: 28 Dec 2017 16:04

Tgt Ion: 94 Resp: 56501

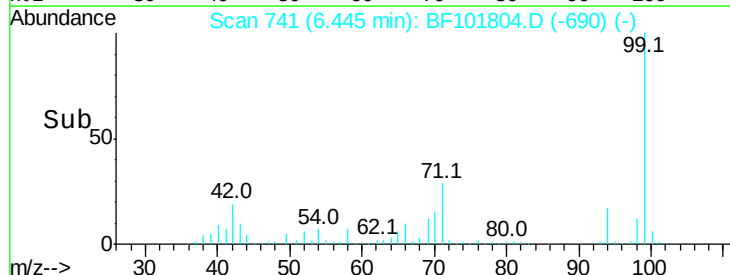
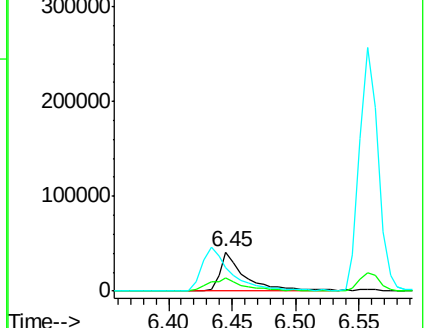
Ion	Ratio	Lower	Upper
94	100		
65	33.6	7.9	47.9
66	59.9	16.2	56.2

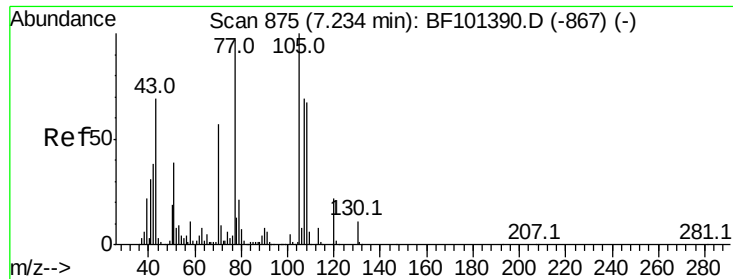


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

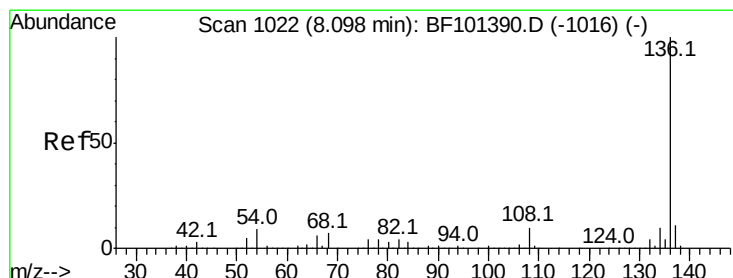
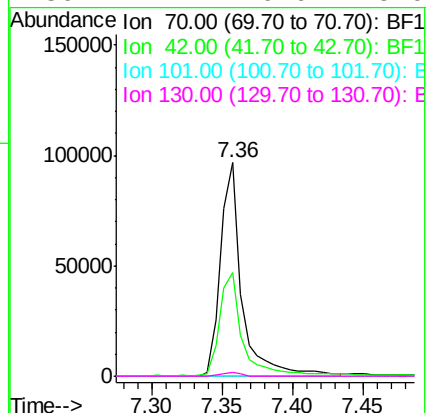
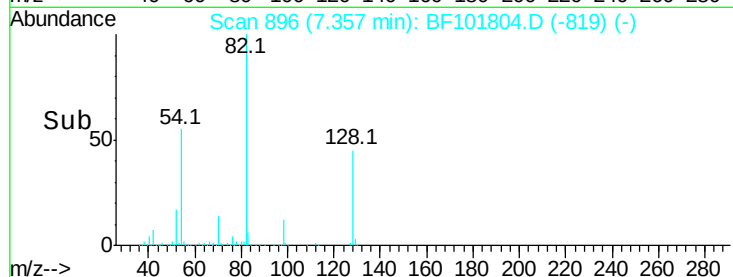
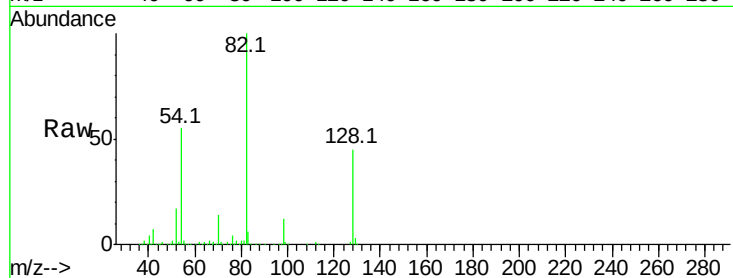




#19
n-Nitroso-di-n-propylamine
Concen: 12.299 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.15 min
Lab File: BF101804.D
Acq: 28 Dec 2017 16:04

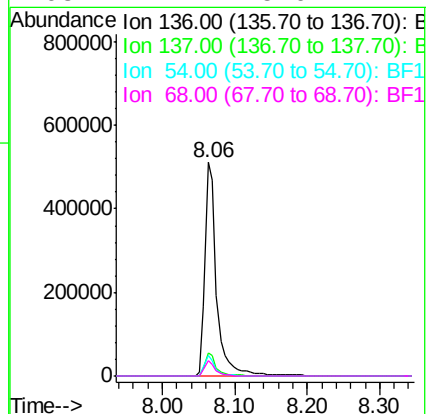
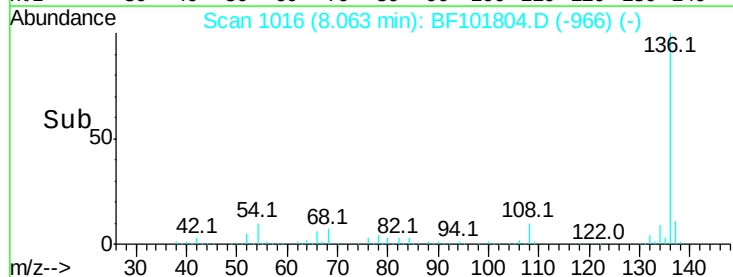
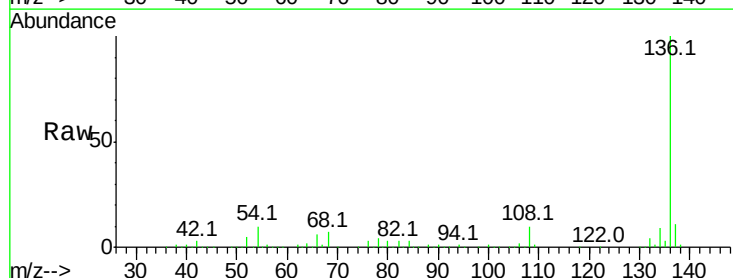
Instrument :
BNA_F
ClientSampled :

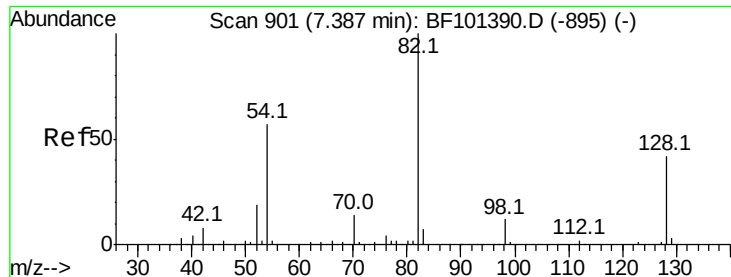
Tot Ion: 70 Resp: 102470
Ion Ratio Lower Upper
70 100
42 48.8 47.5 71.3
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BF101804.D
Acq: 28 Dec 2017 16:04

Tgt Ion: 136 Resp: 577717
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 9.7 6.6 9.8
68 7.1 5.0 7.4

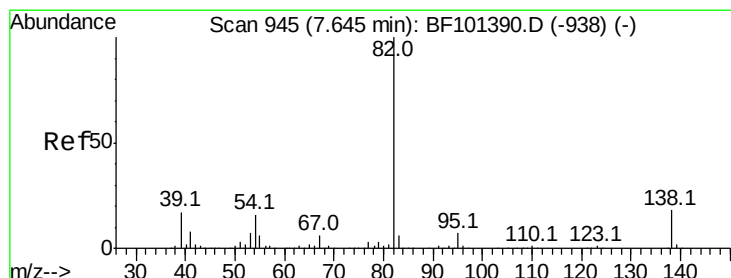
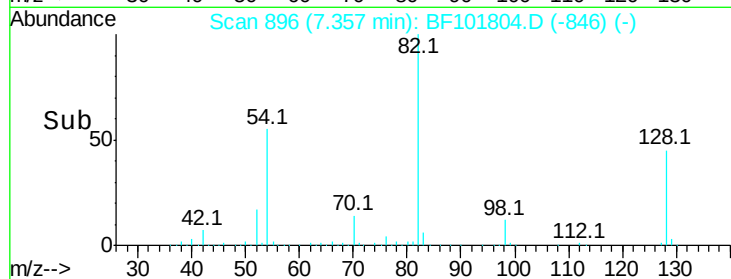
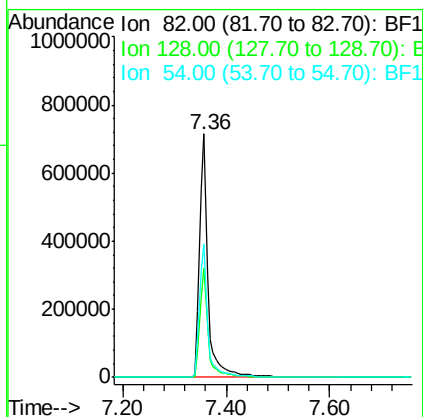
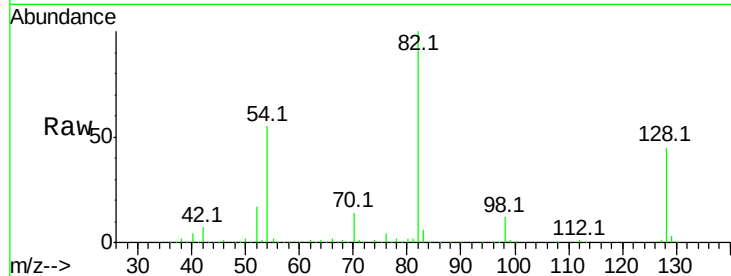




#23
Nitrobenzene-d5
Concen: 76.936 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF101804.D
Acq: 28 Dec 2017 16:04

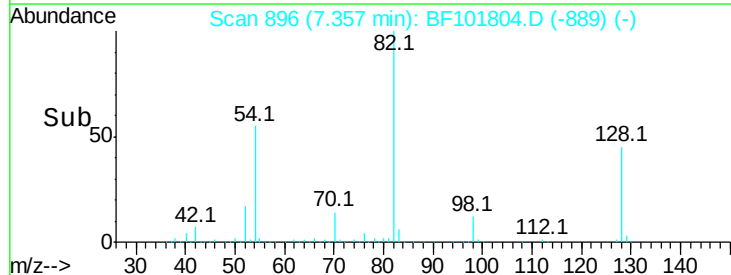
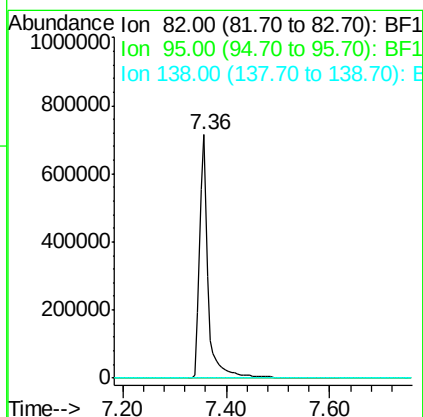
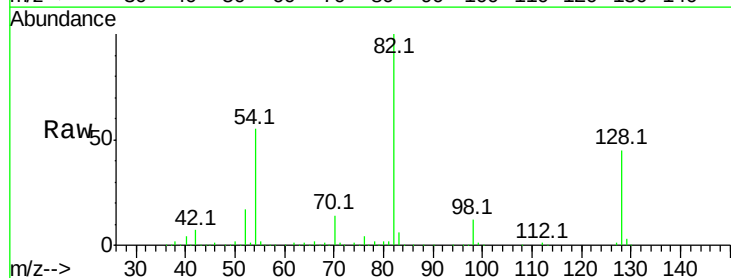
Instrument :
BNA_F
ClientSampled :

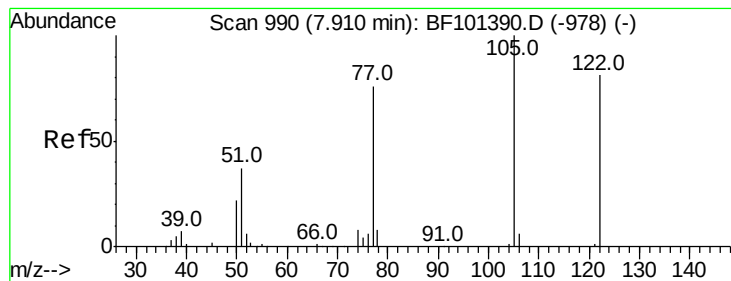
Tot Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.1	54.1
54	55.0	41.4	62.2



#25
Isophorone
Concen: 38.351 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.26 min
Lab File: BF101804.D
Acq: 28 Dec 2017 16:04

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#





#32

Benzoic acid

Concen: 7.978 ng

RT: 8.06 min Scan# 1016

Delta R.T. 0.16 min

Lab File: BF101804.D

Acq: 28 Dec 2017 16:04

Instrument :

BNA_F

ClientSampleId :

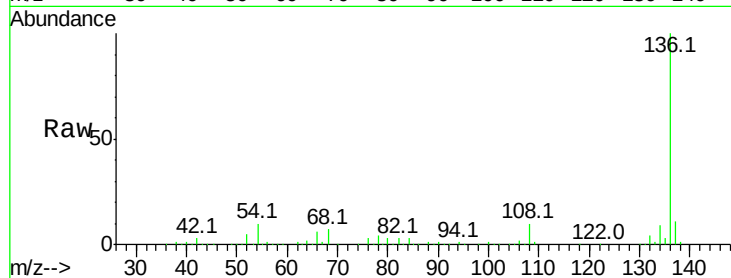
Tot Ion:122 Resp: 115

Ion Ratio Lower Upper

122 100

105 125.1 101.1 141.1

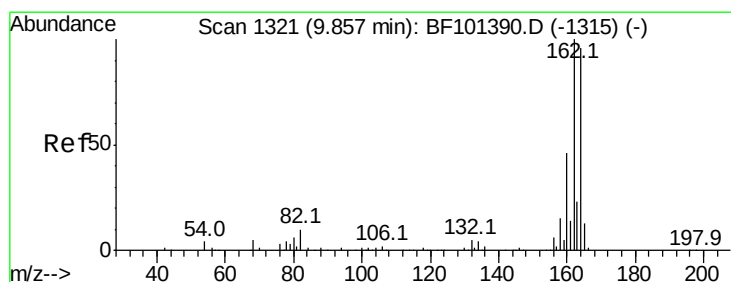
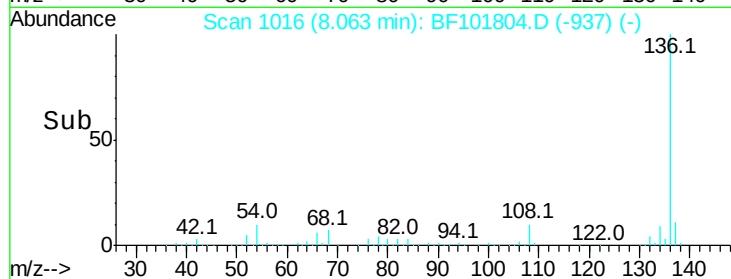
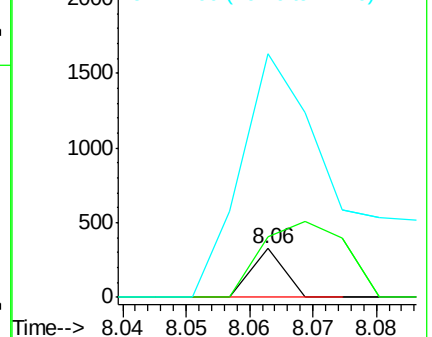
77 498.2 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF101804.D

Acq: 28 Dec 2017 16:04

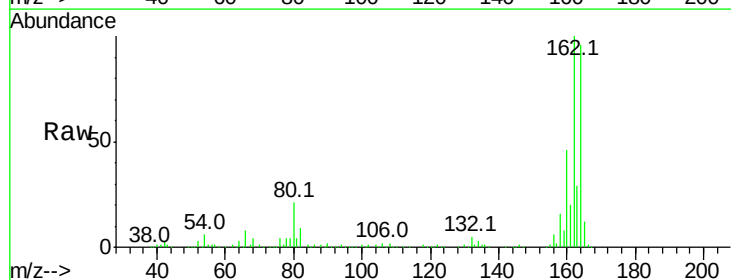
Tgt Ion:164 Resp: 224024

Ion Ratio Lower Upper

164 100

162 103.7 86.1 129.1

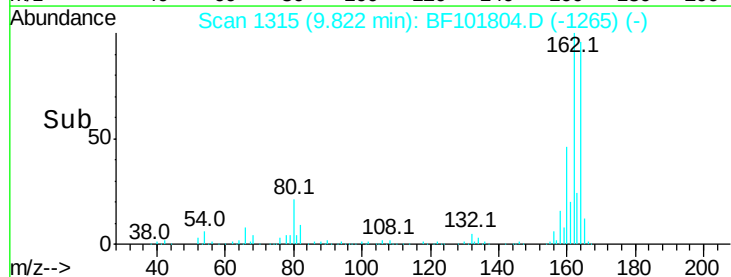
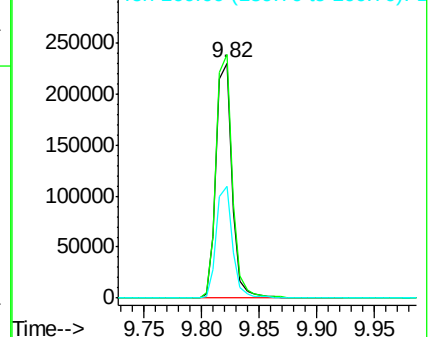
160 47.4 38.3 57.5

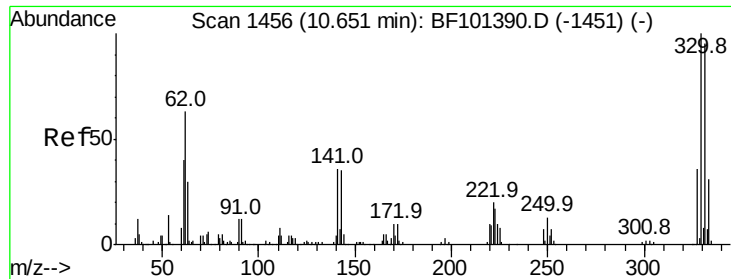


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

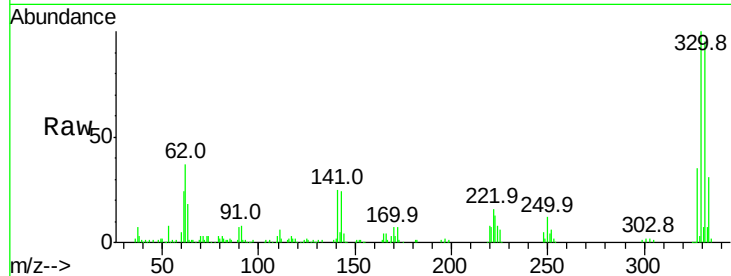




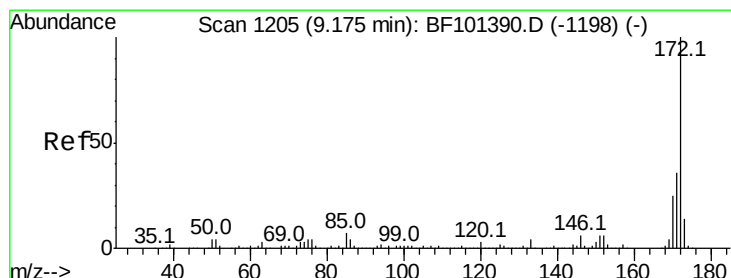
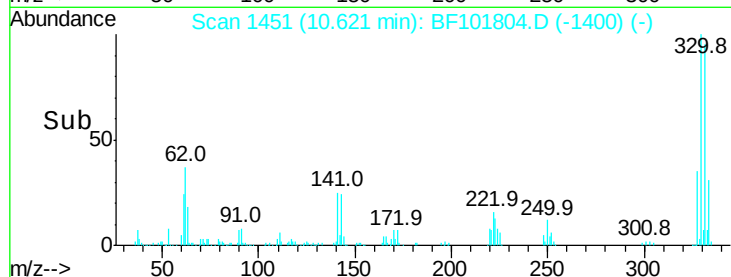
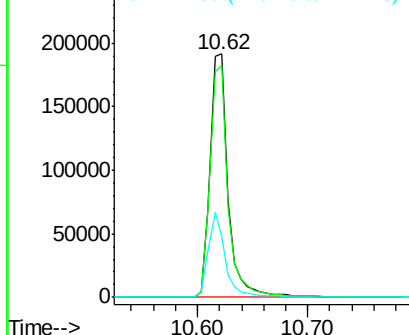
#41
 2,4,6-Tribromophenol
 Concen: 98.906 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.00 min
 Lab File: BF101804.D
 Acq: 28 Dec 2017 16:04

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 213504
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.0 115.6
 141 32.5 29.9 44.9

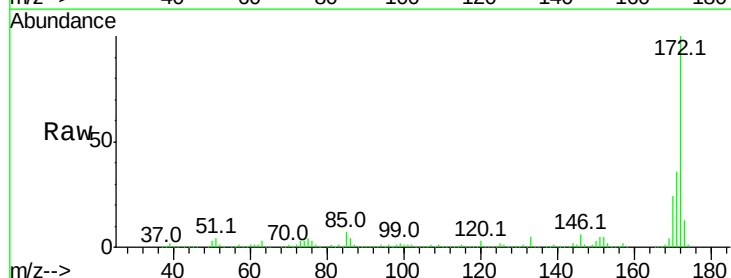


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

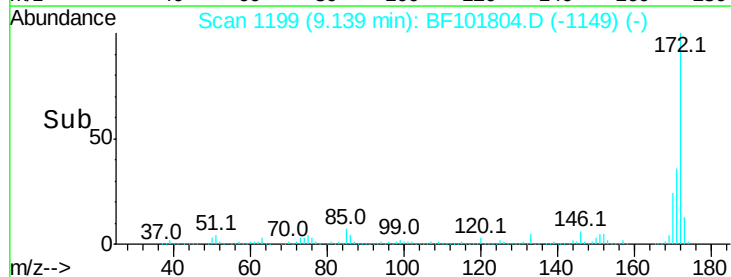
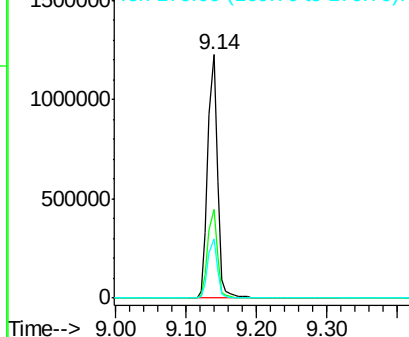


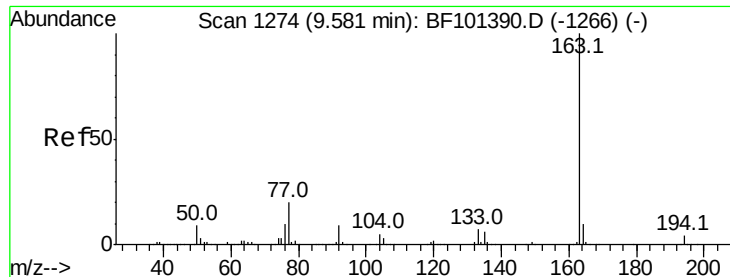
#44
 2-Fluorobiphenyl
 Concen: 81.379 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF101804.D
 Acq: 28 Dec 2017 16:04

Tgt Ion:172 Resp: 1175246
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.7 44.5
 170 24.4 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

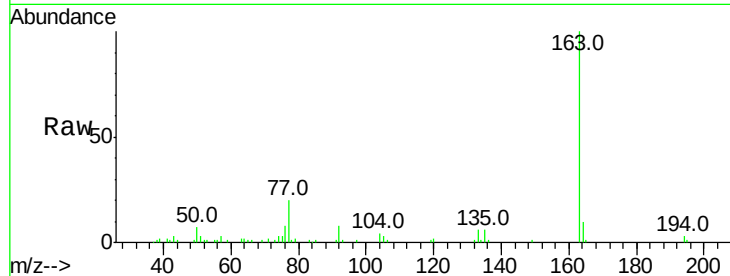




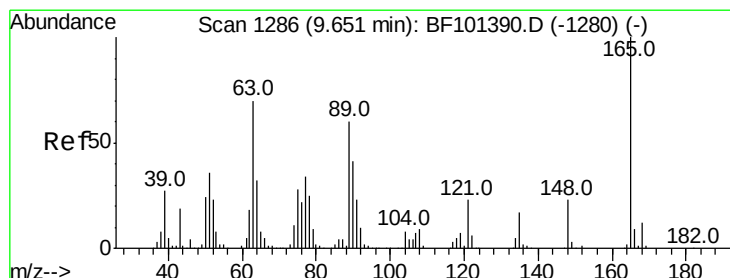
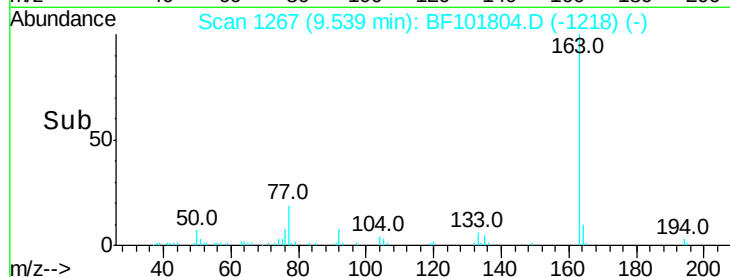
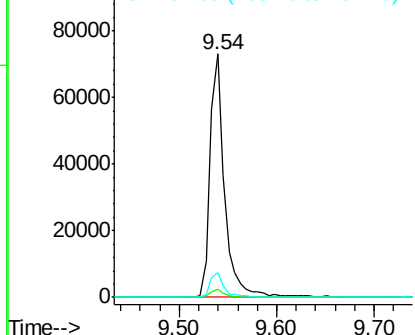
#49
Dimethylphthalate
Concen: 4.204 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF101804.D
Acq: 28 Dec 2017 16:04

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 75763
Ion Ratio Lower Upper
163 100
194 3.1 2.7 4.1
164 10.0 8.2 12.2

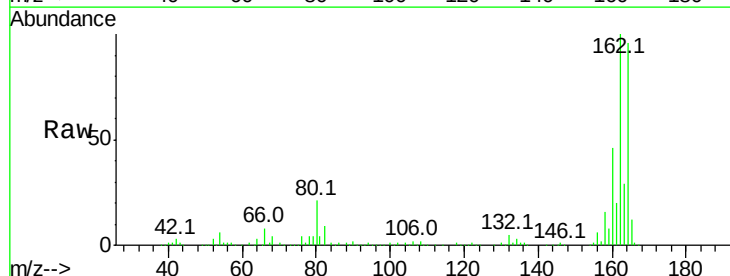


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

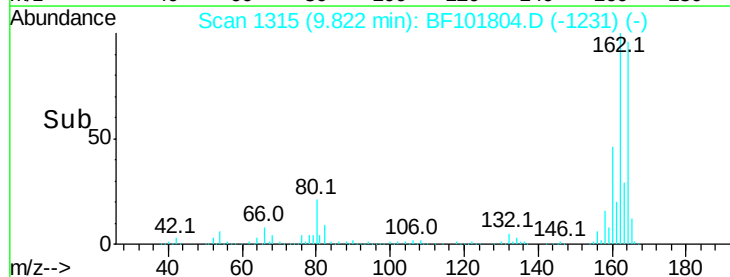
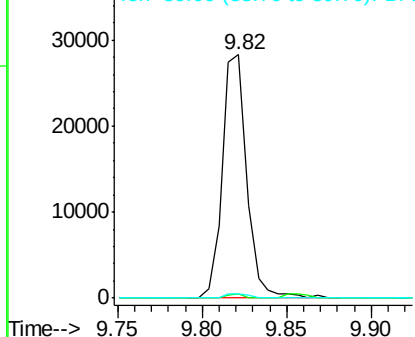


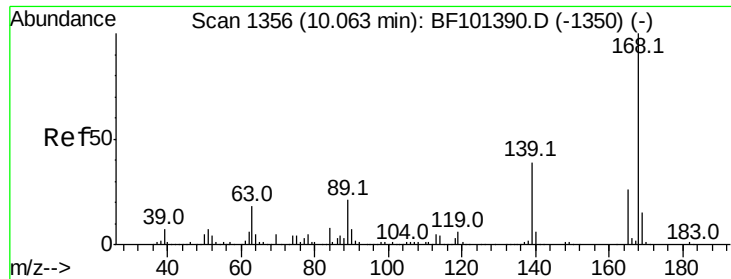
#50
2,6-Dinitrotoluene
Concen: 7.766 ng
RT: 9.82 min Scan# 1315
Delta R.T. 0.19 min
Lab File: BF101804.D
Acq: 28 Dec 2017 16:04

Tgt Ion:165 Resp: 28441
Ion Ratio Lower Upper
165 100
63 1.6 44.7 67.1#
89 1.8 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

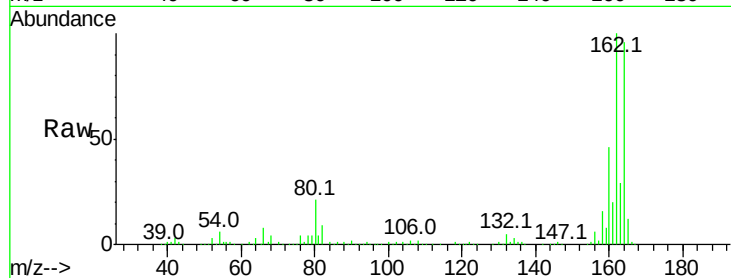




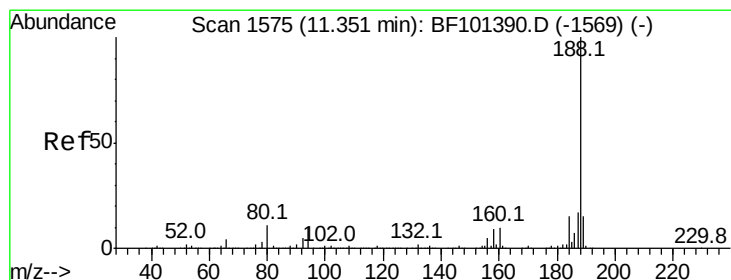
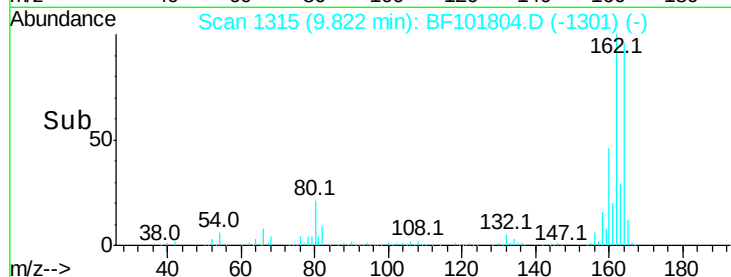
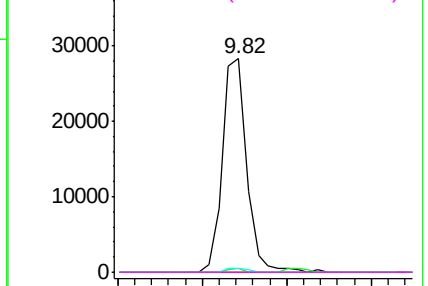
#56
 2,4-Dinitrotoluene
 Concen: 6.893 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.22 min
 Lab File: BF101804.D
 Acq: 28 Dec 2017 16:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 28441
 Ion Ratio Lower Upper
 165 100
 63 1.6 36.4 54.6#
 89 1.8 57.8 86.6#
 182 0.0 1.6 2.4#

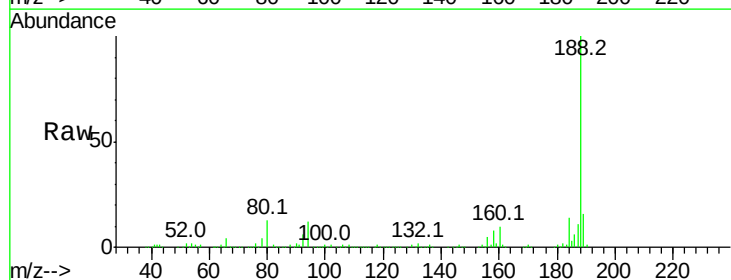


Abundance Ion 165.00 (164.70 to 165.70): E

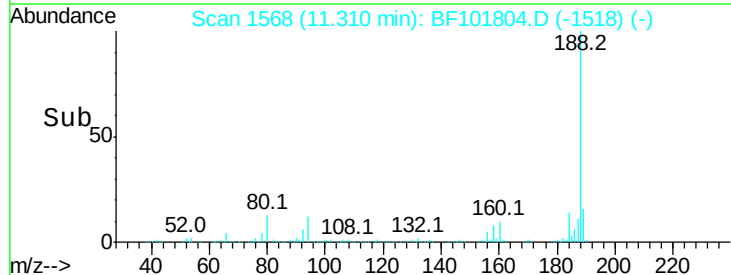
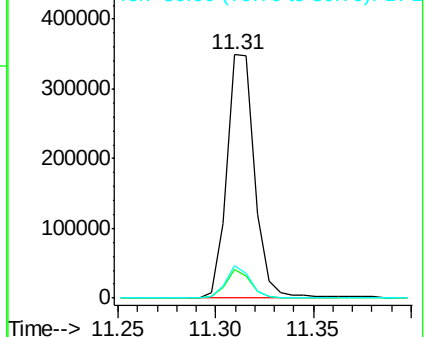


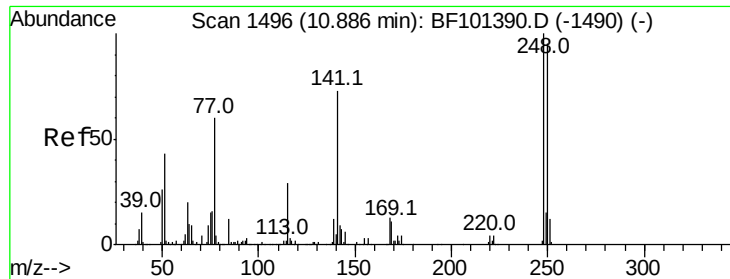
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF101804.D
 Acq: 28 Dec 2017 16:04

Tgt Ion:188 Resp: 345709
 Ion Ratio Lower Upper
 188 100
 94 11.7 8.5 12.7
 80 13.1 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

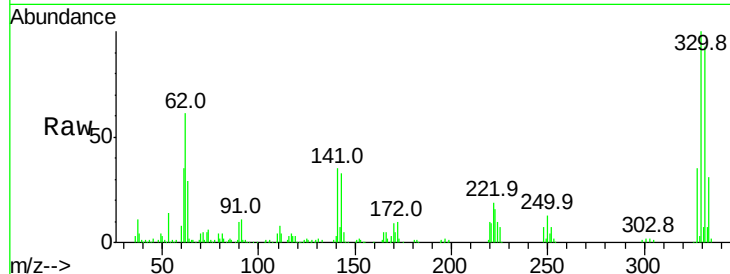




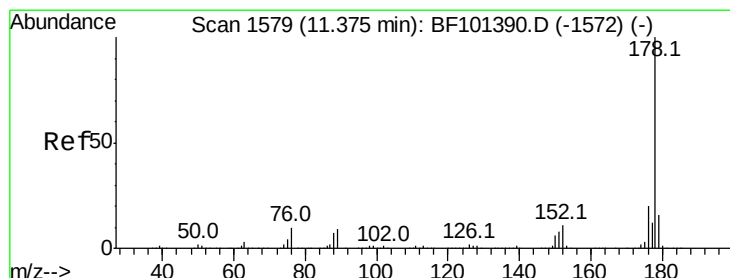
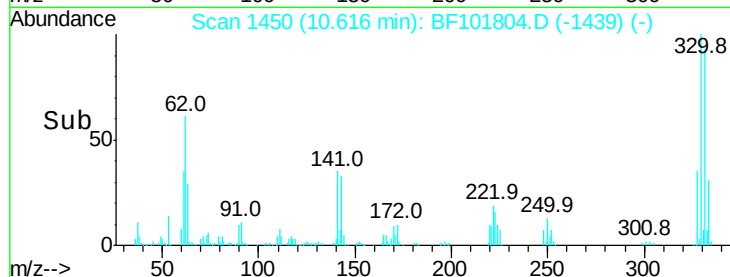
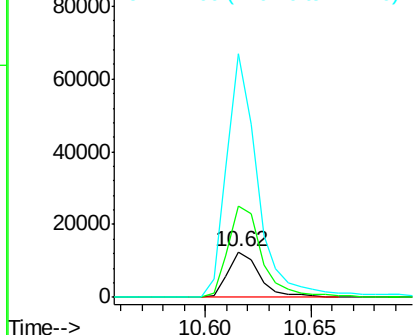
#66
 4-Bromophenyl-phenylether
 Concen: 3.325 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.24 min
 Lab File: BF101804.D
 Acq: 28 Dec 2017 16:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 12916
 Ion Ratio Lower Upper
 248 100
 250 200.7 76.9 115.3#
 141 536.8 74.4 111.6#

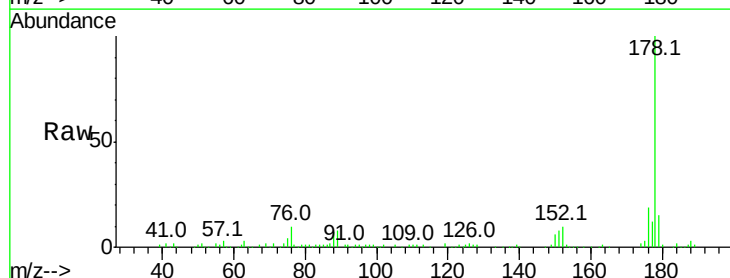


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

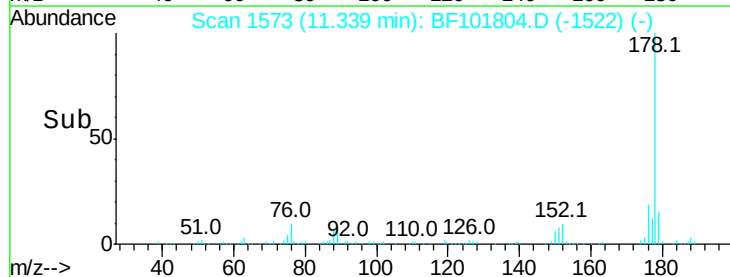
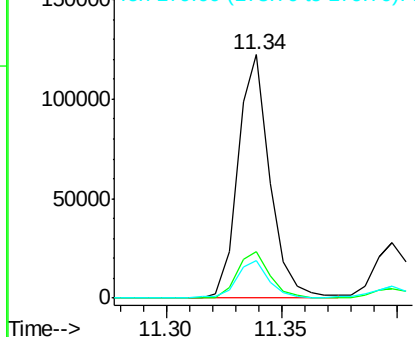


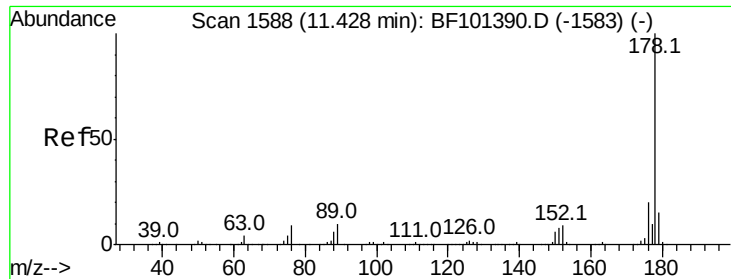
#70
 Phenanthrene
 Concen: 6.120 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: BF101804.D
 Acq: 28 Dec 2017 16:04

Tgt Ion:178 Resp: 117666
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.8 23.8
 179 15.4 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

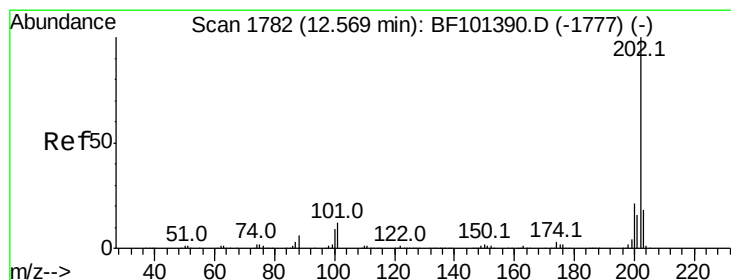
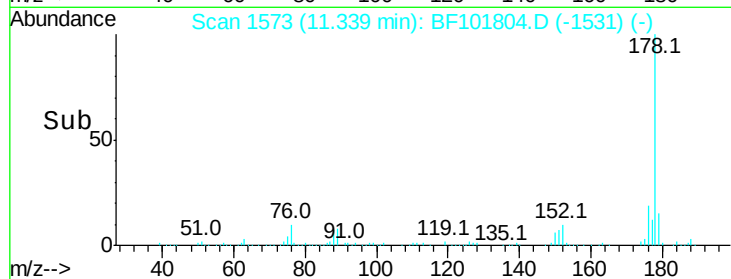
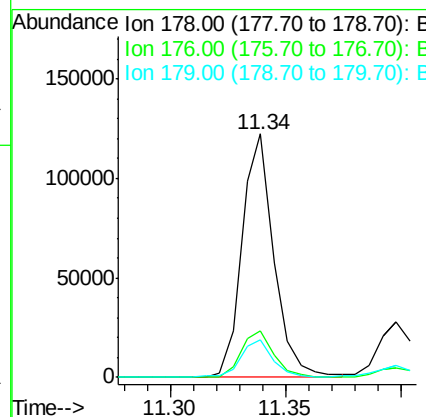
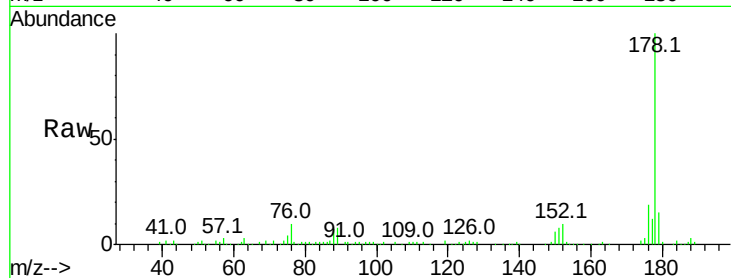




#71
 Anthracene
 Concen: 5.992 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.05 min
 Lab File: BF101804.D
 Acq: 28 Dec 2017 16:04

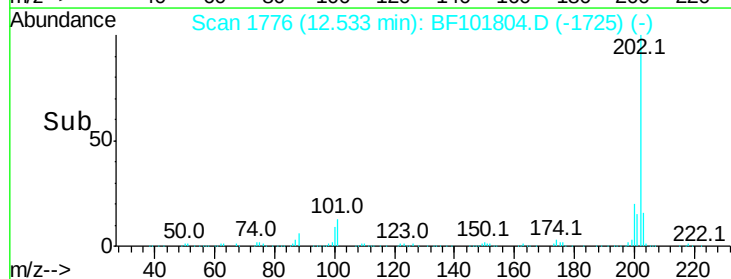
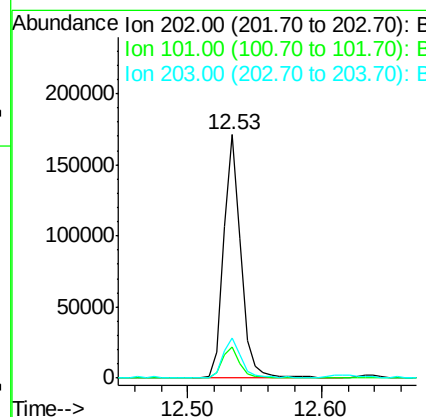
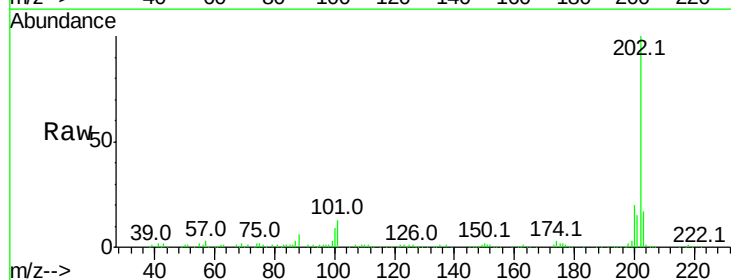
Instrument :
 BNA_F
 ClientSampleId :

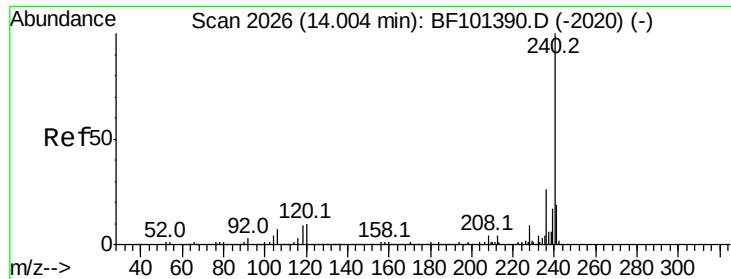
Tot Ion:178 Resp: 117666
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.4 23.2
 179 15.4 12.6 19.0



#74
 Fluoranthene
 Concen: 7.760 ng
 RT: 12.53 min Scan# 1776
 Delta R.T. -0.00 min
 Lab File: BF101804.D
 Acq: 28 Dec 2017 16:04

Tgt Ion:202 Resp: 156591
 Ion Ratio Lower Upper
 202 100
 101 12.7 0.0 34.1
 203 16.5 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF101804.D

Acq: 28 Dec 2017 16:04

Instrument :

BNA_F

ClientSampleId :

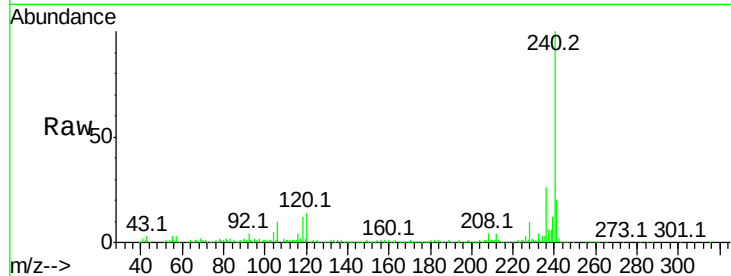
Tot Ion:240 Resp: 308140

Ion Ratio Lower Upper

240 100

120 13.9 9.5 14.3

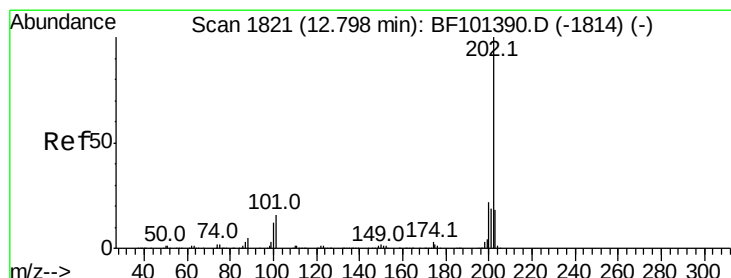
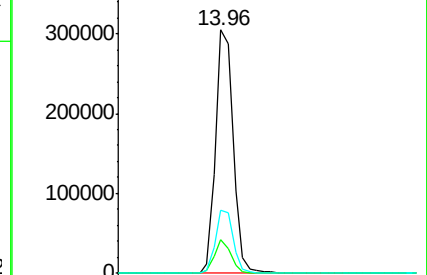
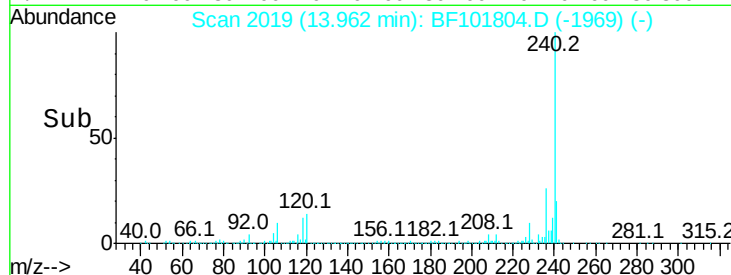
236 26.1 20.7 31.1



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: 5.811 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.00 min

Lab File: BF101804.D

Acq: 28 Dec 2017 16:04

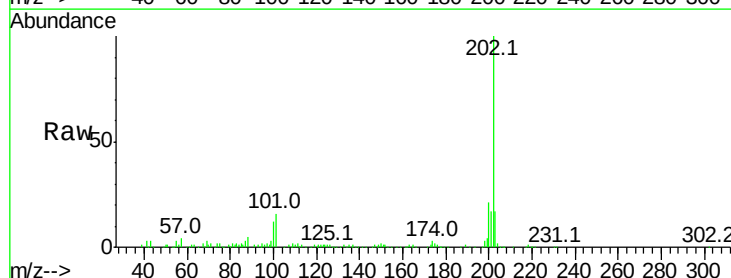
Tgt Ion:202 Resp: 134389

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

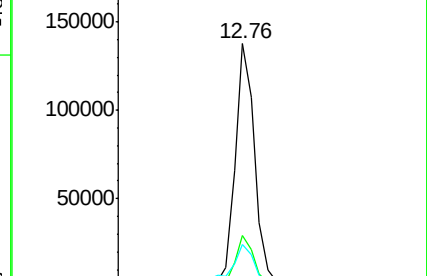
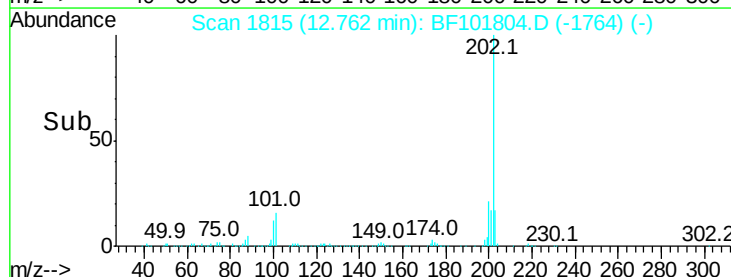
203 17.3 14.3 21.5

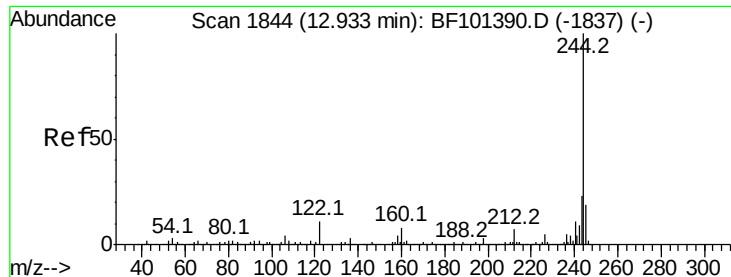


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 67.147 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF101804.D

Acq: 28 Dec 2017 16:04

Instrument :

BNA_F

ClientSampleId :

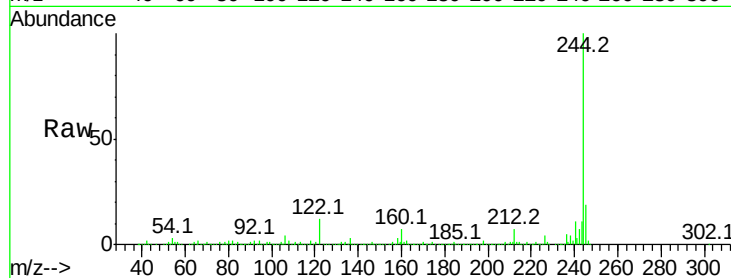
Tot Ion:244 Resp: 858257

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

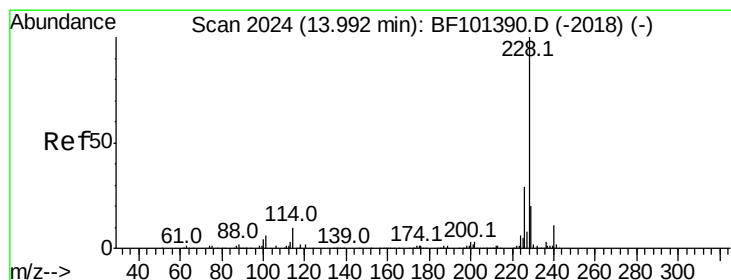
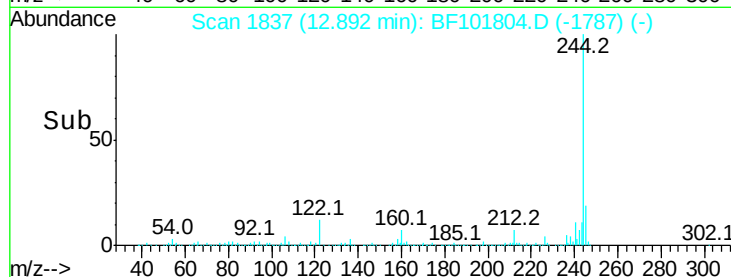
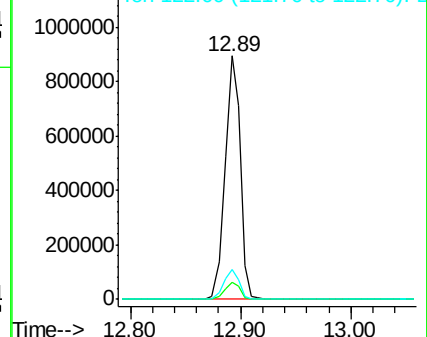
122 12.2 11.0 16.4



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: 3.613 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.00 min

Lab File: BF101804.D

Acq: 28 Dec 2017 16:04

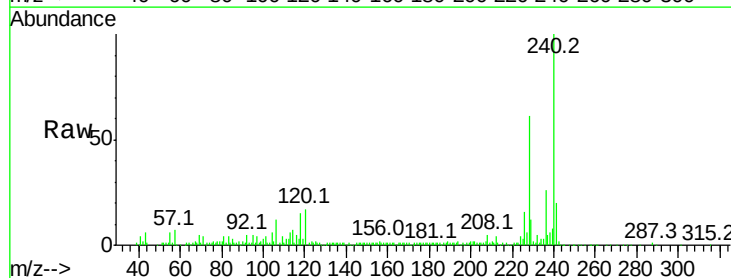
Tgt Ion:228 Resp: 73520

Ion Ratio Lower Upper

228 100

226 26.1 22.6 33.8

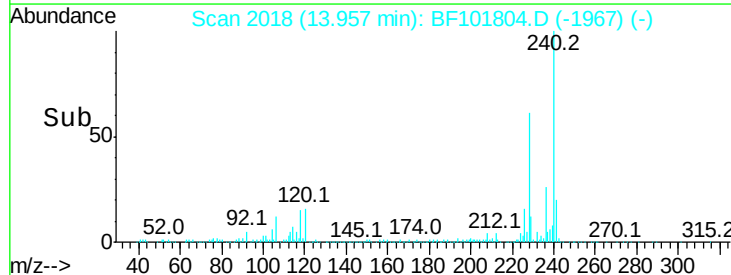
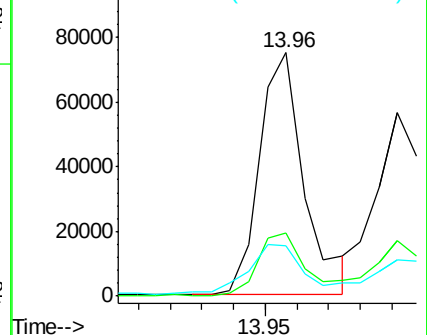
229 20.5 15.8 23.6

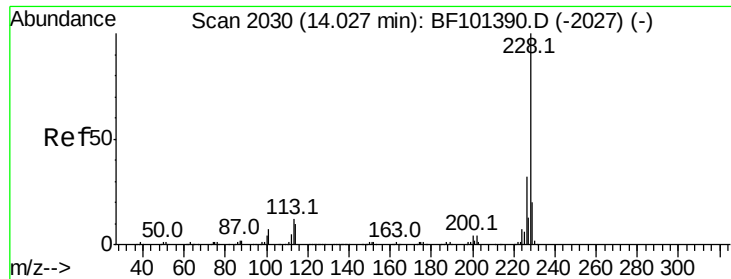


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

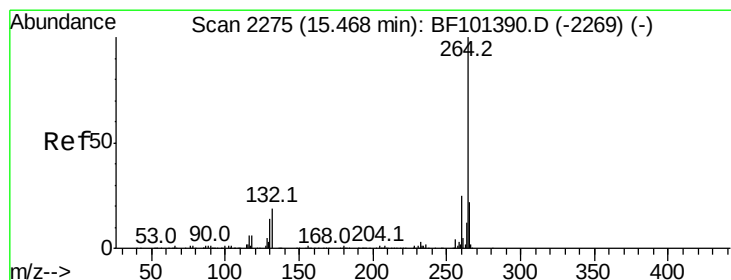
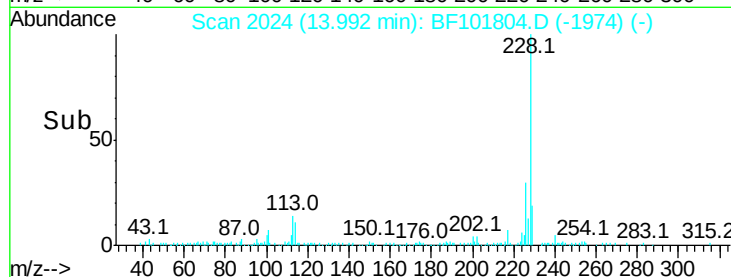
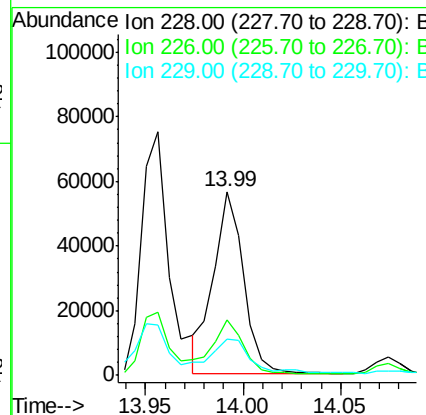
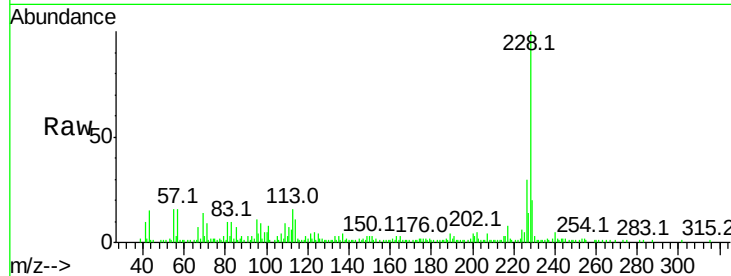




#82
 Chrysene
 Concen: 3.138 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF101804.D
 Acq: 28 Dec 2017 16:04

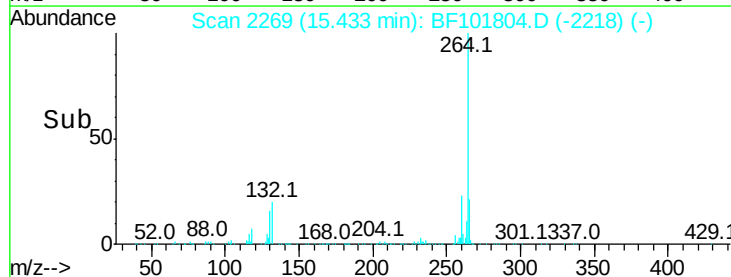
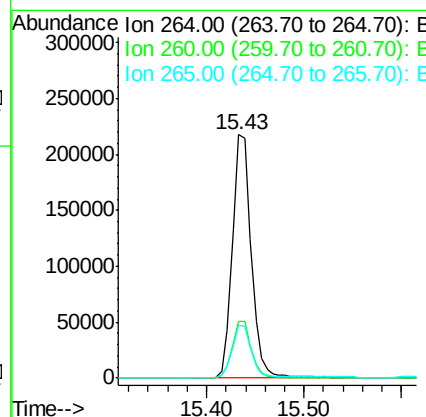
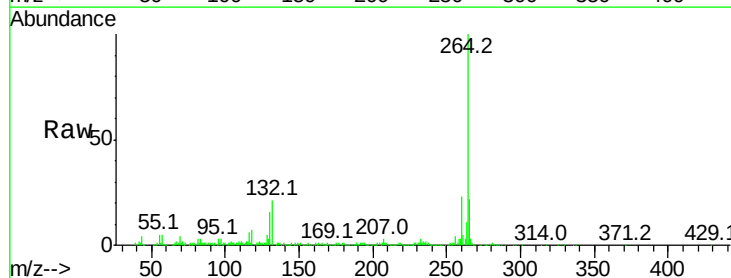
Instrument :
 BNA_F
 ClientSampleId :

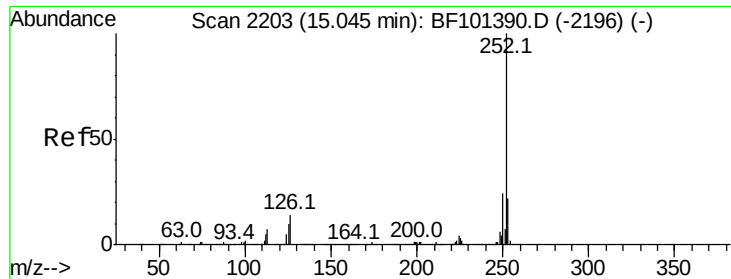
Tot Ion:228 Resp: 60288
 Ion Ratio Lower Upper
 228 100
 226 30.3 25.0 37.6
 229 19.6 16.2 24.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: BF101804.D
 Acq: 28 Dec 2017 16:04

Tgt Ion:264 Resp: 294729
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 21.6 17.5 26.3

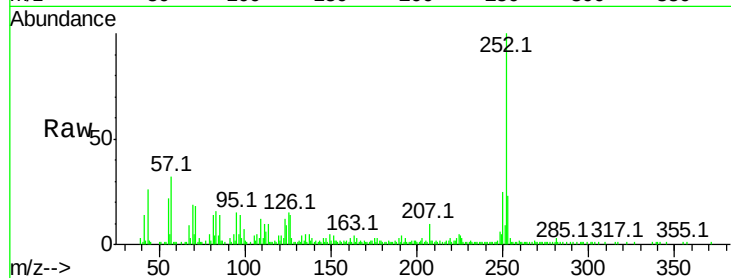




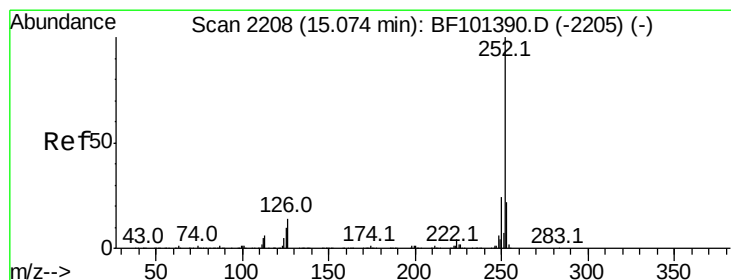
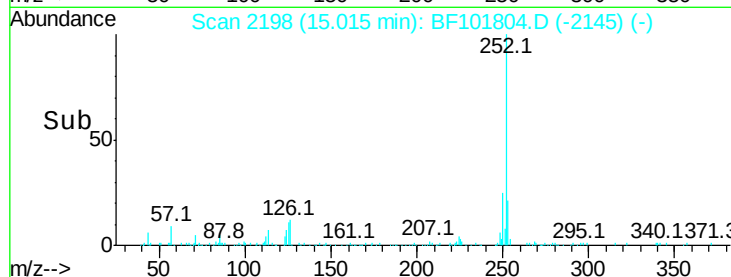
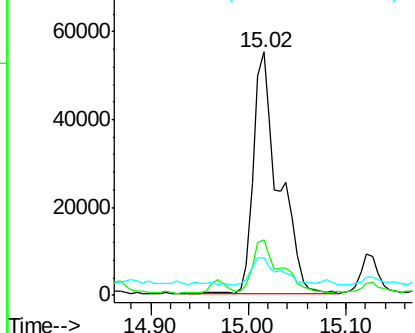
#87
Benzo(b)fluoranthene
Concen: 5.580 ng
RT: 15.02 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF101804.D
Acq: 28 Dec 2017 16:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	15.4	9.0	13.6

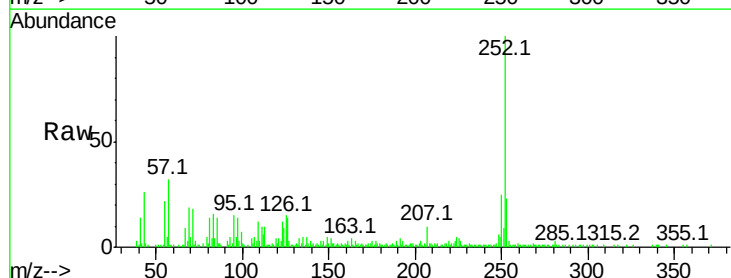


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

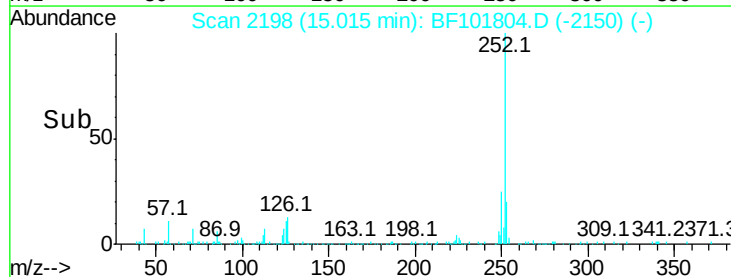
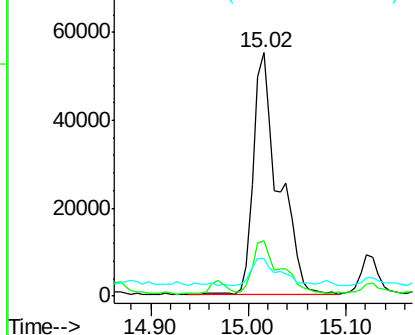


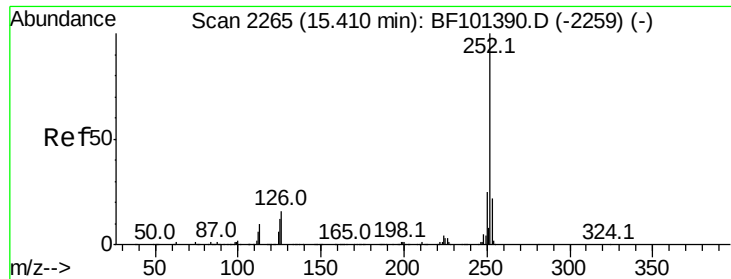
#88
Benzo(k)fluoranthene
Concen: 5.740 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.02 min
Lab File: BF101804.D
Acq: 28 Dec 2017 16:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	15.4	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

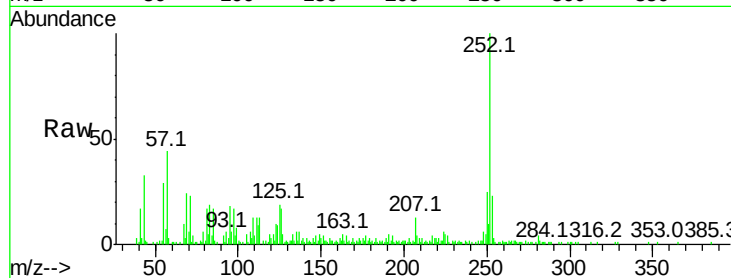




#89
Benzo(a)pyrene
Concen: 3.159 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.01 min
Lab File: BF101804.D
Acq: 28 Dec 2017 16:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	18.8	9.8	14.6

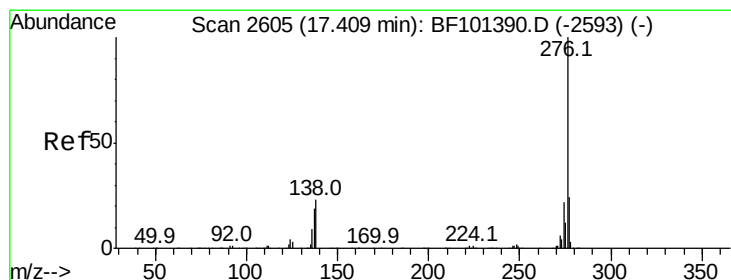
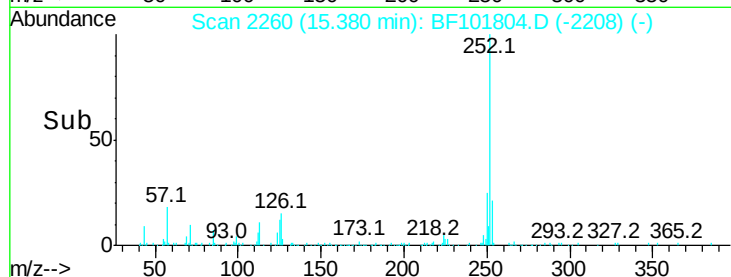
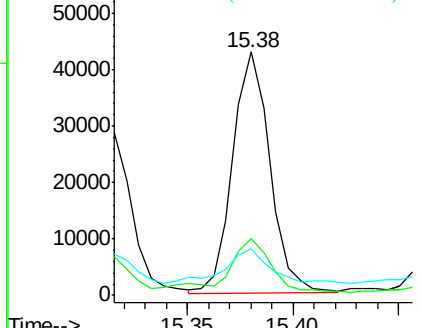


Abundance

Ion 252.00 (251.70 to 252.70): E

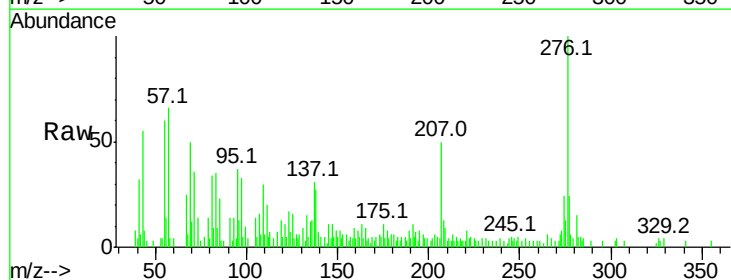
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.132 ng
RT: 17.38 min Scan# 2600
Delta R.T. 0.03 min
Lab File: BF101804.D
Acq: 28 Dec 2017 16:04

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	17.9	26.9
138	27.5	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

