

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF120817\
 Data File : BF101254.D
 Acq On : 8 Dec 2017 23:34
 Operator : SJ/JU
 Sample : I6615-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 09 01:06:31 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	44085	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	163510	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	69816	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	121346	20.00	ng	0.00
75) Chrysene-d12	14.00	240	98440	20.00	ng	0.00
86) Perylene-d12	15.48	264	81531	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	299242	112.17	ng	0.02
7) Phenol-d6	6.47	99	356500	110.06	ng	0.01
23) Nitrobenzene-d5	7.39	82	200998	73.33	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	82087	97.88	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	422770	82.85	ng	0.00
78) Terphenyl-d14	12.95	244	363419	80.75	ng	0.00

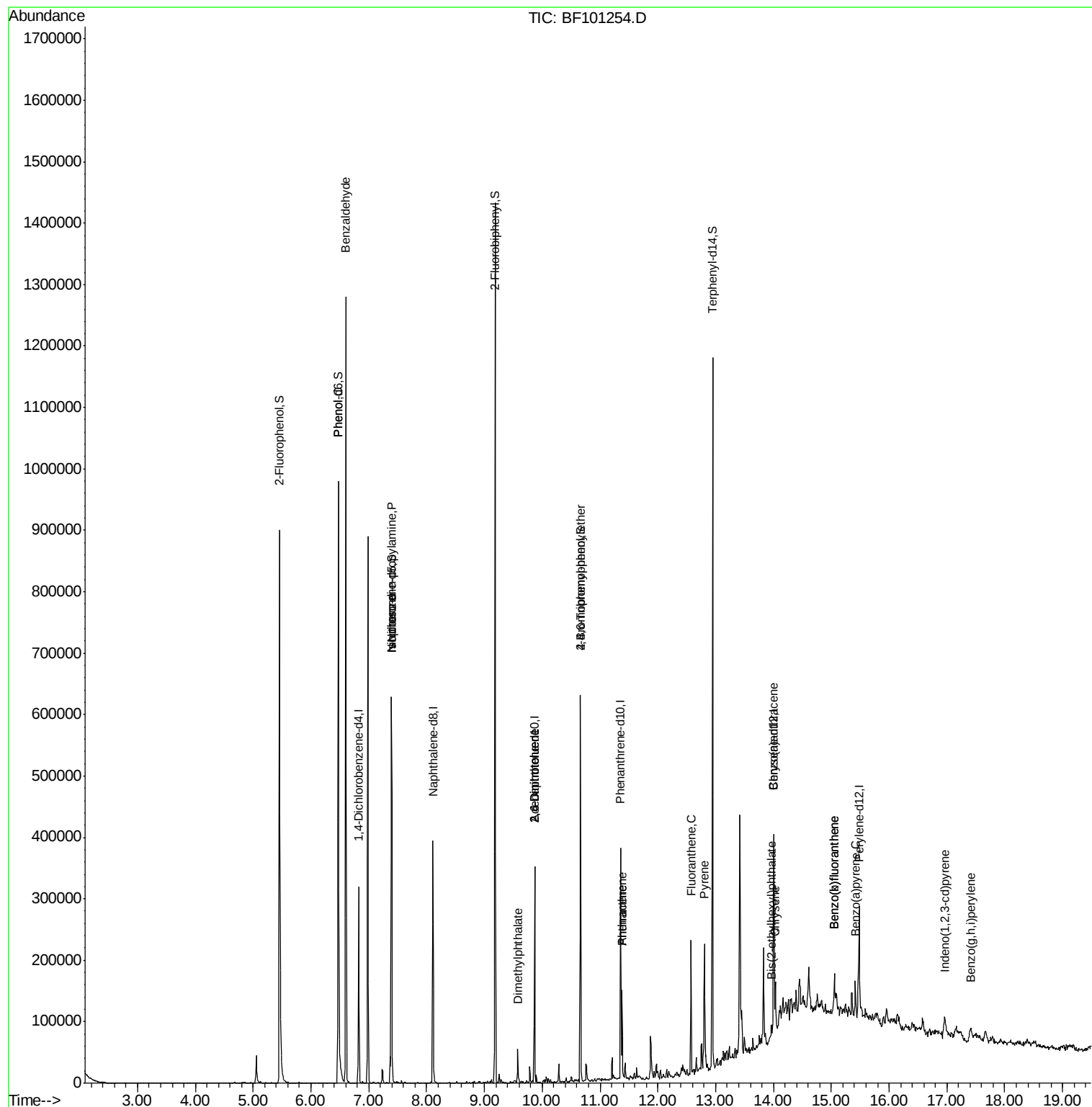
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.60	77	6620	3.339	ng	81
10) Phenol	6.48	94	13986	3.883	ng	# 63
19) n-Nitroso-di-n-propylamine	7.39	70	25806	11.830	ng	# 82
25) Isophorone	7.39	82	200995	42.930	ng	# 64
49) Dimethylphthalate	9.57	163	19508	3.465	ng	99
50) 2,6-Dinitrotoluene	9.86	165	9206	7.763	ng	# 24
56) 2,4-Dinitrotoluene	9.86	165	9206	5.792	ng	# 21
66) 4-Bromophenyl-phenylether	10.66	248	5318	3.915	ng	# 1
70) Phenanthrene	11.38	178	45253	6.772	ng	97
71) Anthracene	11.38	178	45253	6.691	ng	98
74) Fluoranthene	12.57	202	74661	10.079	ng	94
77) Pylene	12.80	202	73058	10.755	ng	99
80) Benzo(a)anthracene	14.00	228	34506	5.552	ng	97
82) Chrysene	14.03	228	31912	5.528	ng	96
83) Bis(2-ethylhexyl)phthalate	13.97	149	8718	2.042	ng	# 89
85) Indeno(1,2,3-cd)pyrene	16.96	276	15185	2.959	ng	# 90
87) Benzo(b)fluoranthene	15.05	252	42764	8.757	ng	95
88) Benzo(k)fluoranthene	15.05	252	42764	8.888	ng	98
89) Benzo(a)pyrene	15.42	252	25682	5.785	ng	# 90
91) Benzo(a,h,i)perylene	17.42	276	15667	4.247	ng	# 90

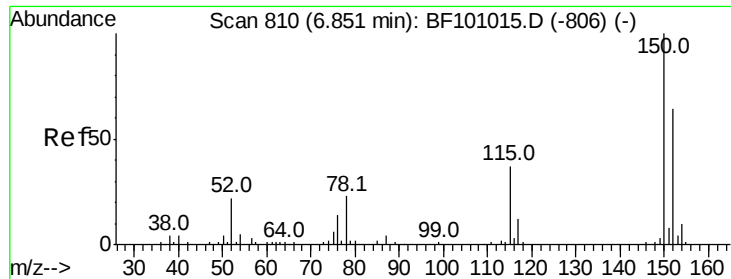
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF120817\
Data File : BF101254.D
Acq On : 8 Dec 2017 23:34
Operator : SJ/JU
Sample : I6615-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Dec 09 01:06:31 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



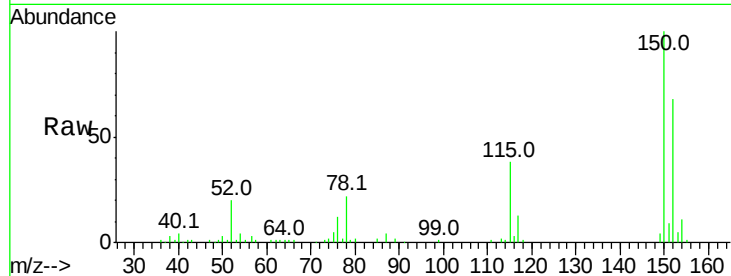


#1

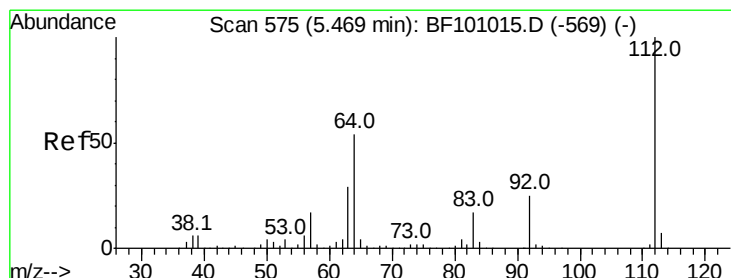
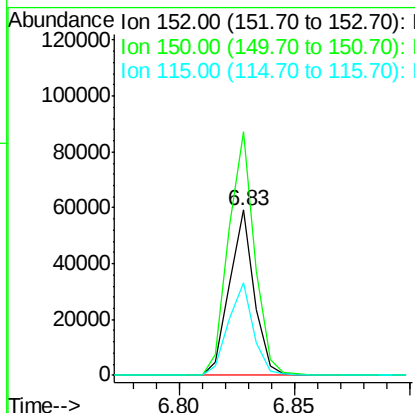
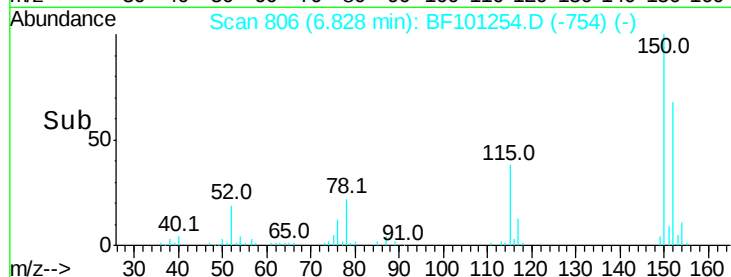
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF101254.D
Acq: 8 Dec 2017 23:34

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 44085
Ion Ratio Lower Upper
152 100
150 147.2 124.6 186.8
115 55.9 50.1 75.1



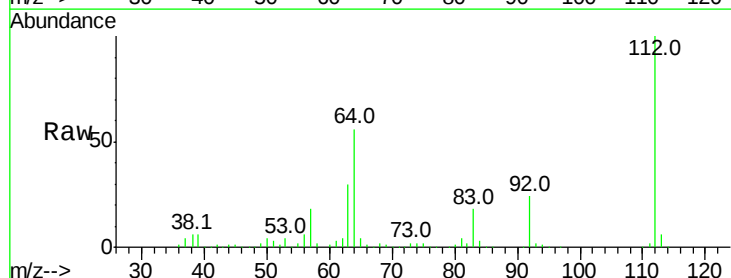
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



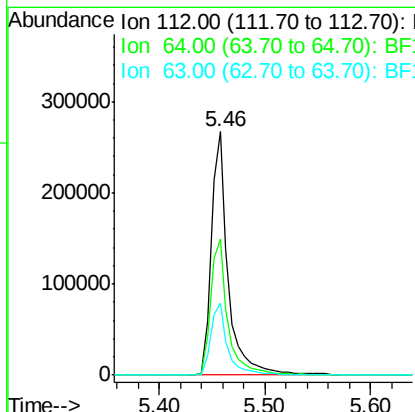
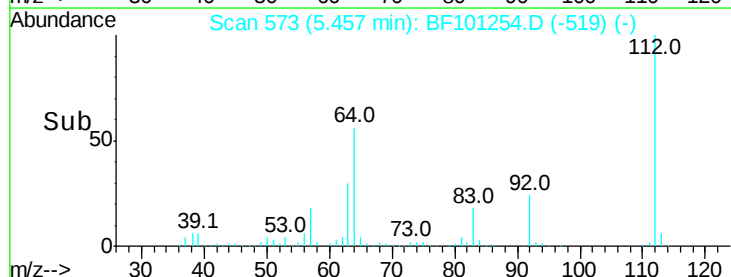
#5

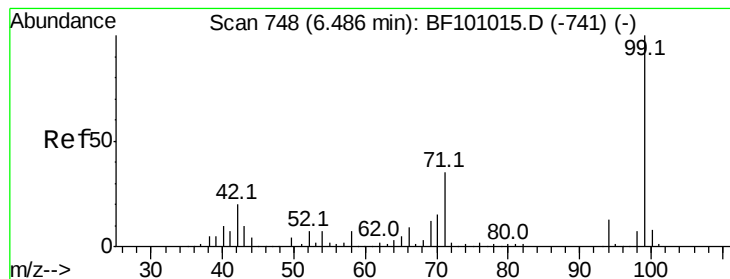
2-Fluorophenol
Concen: 112.165 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.02 min
Lab File: BF101254.D
Acq: 8 Dec 2017 23:34

Tgt Ion:112 Resp: 299242
Ion Ratio Lower Upper
112 100
64 55.8 47.9 71.9
63 29.8 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: 110.063 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.01 min

Lab File: BF101254.D

Acq: 8 Dec 2017 23:34

Instrument :

BNA_F

ClientSampleId :

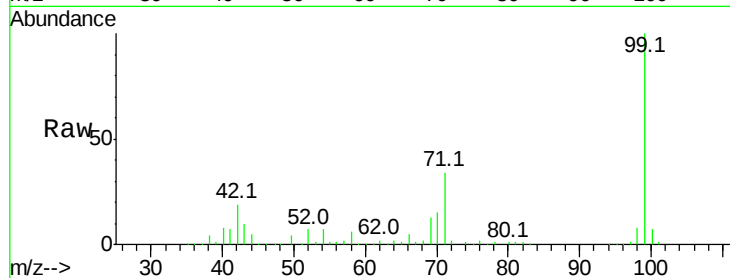
Tot Ion: 99 Resp: 356500

Ion Ratio Lower Upper

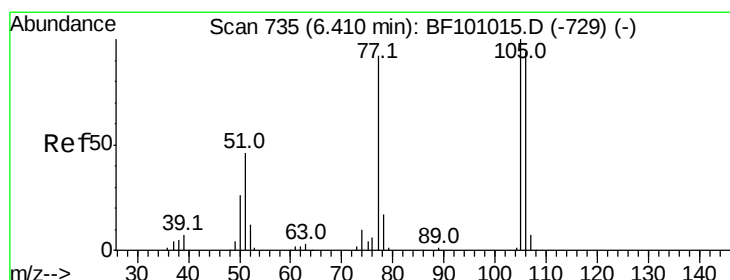
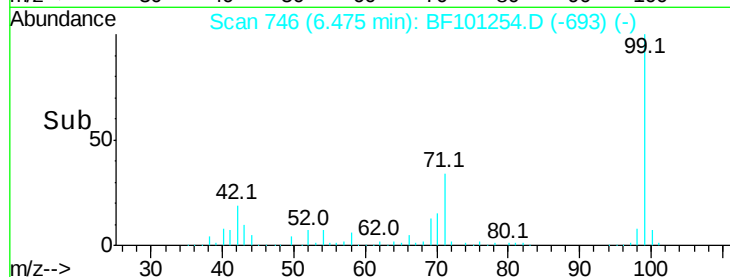
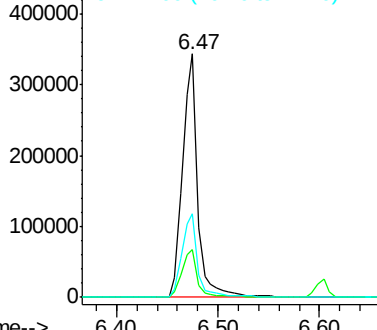
99 100

42 19.5 14.5 21.7

71 34.4 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



#9

Benzaldehyde

Concen: 3.339 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.22 min

Lab File: BF101254.D

Acq: 8 Dec 2017 23:34

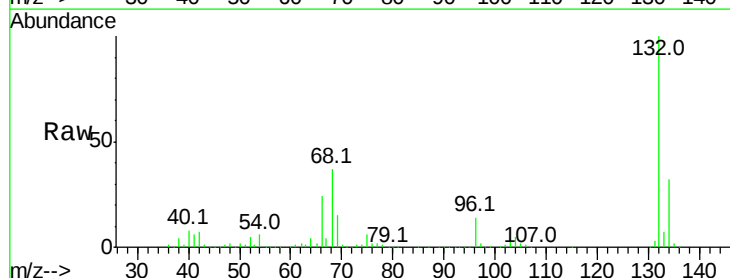
Tgt Ion: 77 Resp: 6620

Ion Ratio Lower Upper

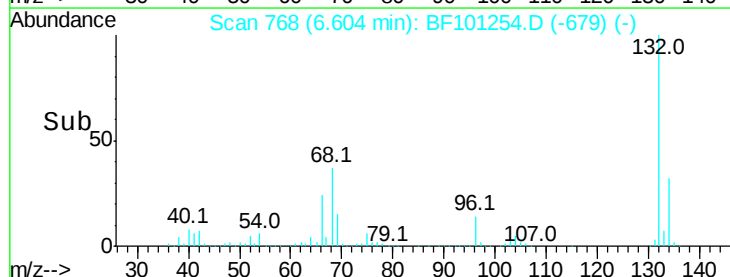
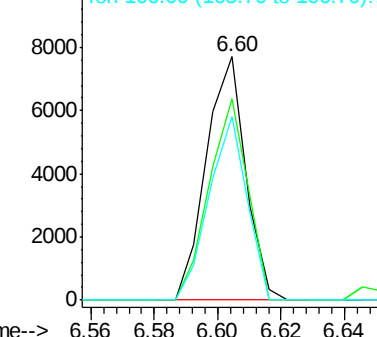
77 100

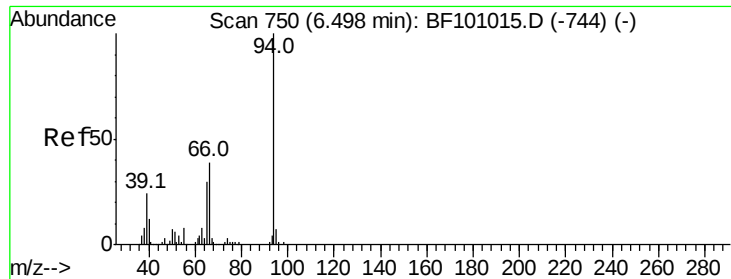
105 83.0 81.1 121.1

106 75.1 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 3.883 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.01 min

Lab File: BF101254.D

Acq: 8 Dec 2017 23:34

Instrument :

BNA_F

ClientSampleId :

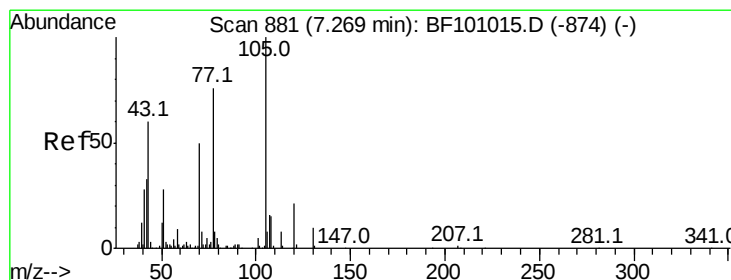
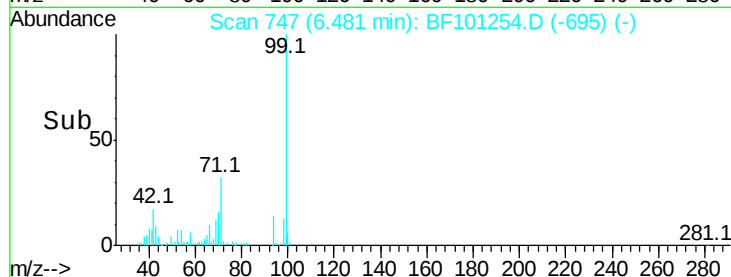
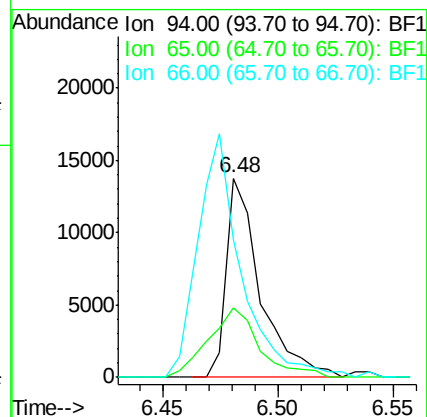
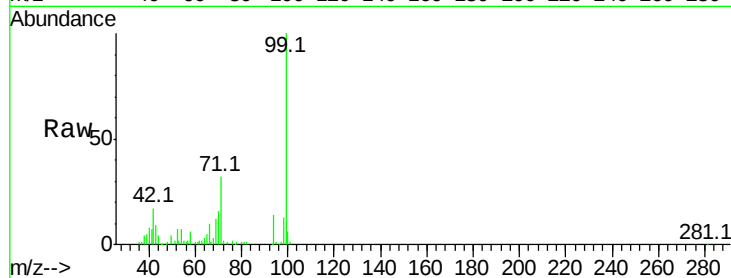
Tot Ion: 94 Resp: 13986

Ion Ratio Lower Upper

94 100

65 34.7 7.9 47.9

66 69.1 16.2 56.2#



#19

n-Nitroso-di-n-propylamine

Concen: 11.830 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.15 min

Lab File: BF101254.D

Acq: 8 Dec 2017 23:34

Tgt Ion: 70 Resp: 25806

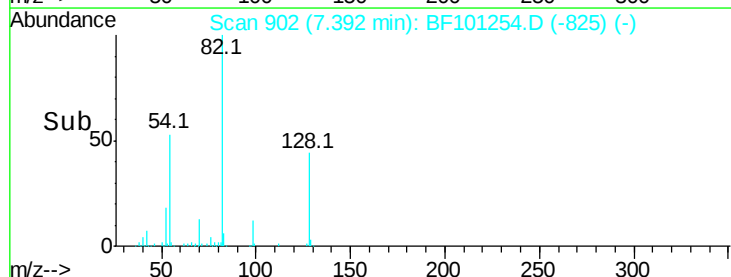
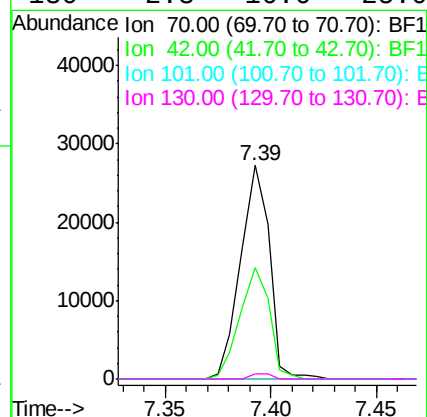
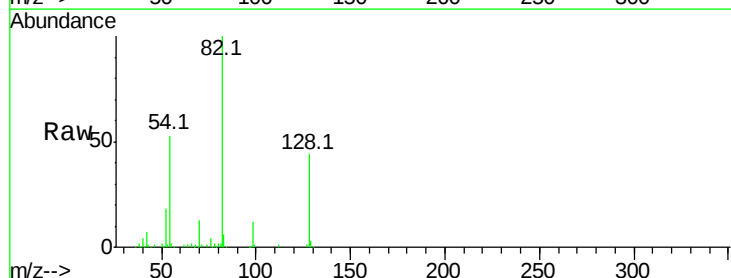
Ion Ratio Lower Upper

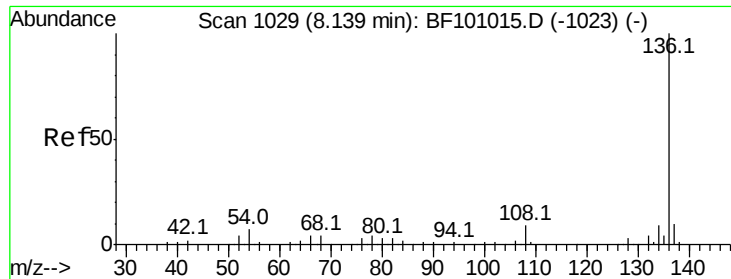
70 100

42 52.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

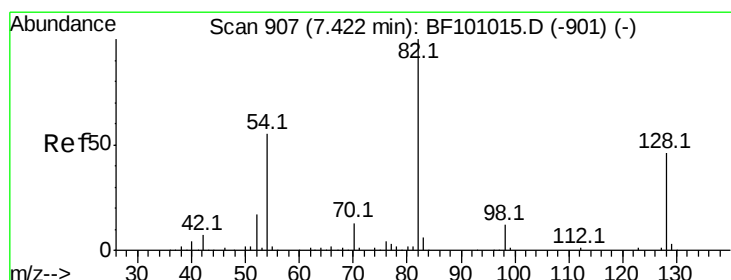
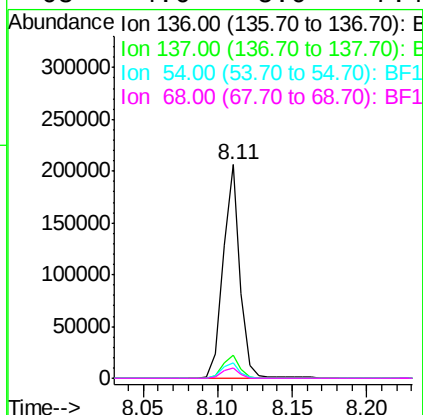
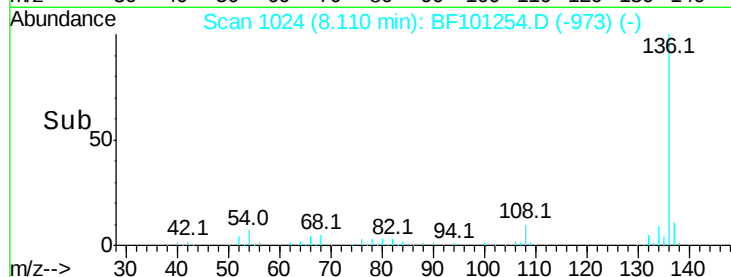
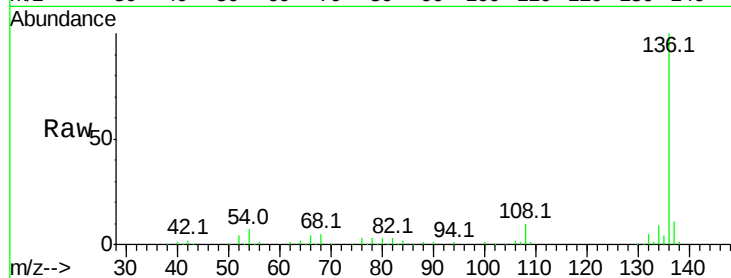




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BF101254.D
Acq: 8 Dec 2017 23:34

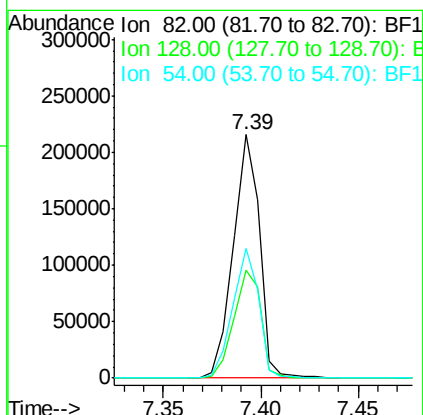
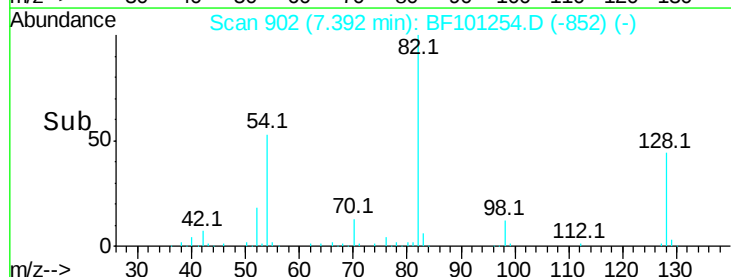
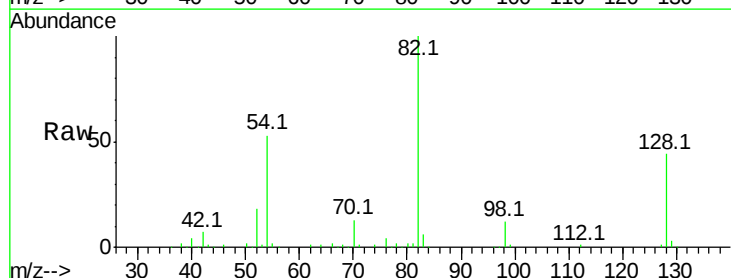
Instrument :
BNA_F
ClientSampleId :

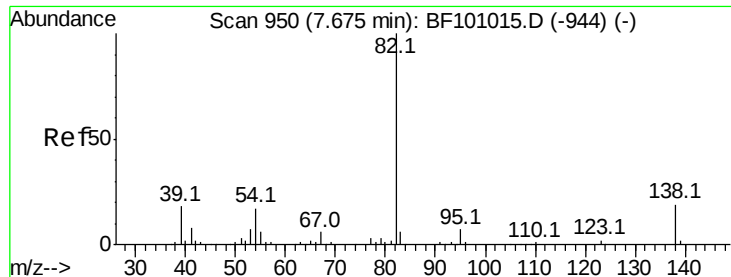
Tot Ion:	136	Resp:	163510
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.4	6.6	9.8
68	4.6	5.0	7.4#



#23
Nitrobenzene-d5
Concen: 73.330 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF101254.D
Acq: 8 Dec 2017 23:34

Tgt Ion:	82	Resp:	200998
Ion	Ratio	Lower	Upper
82	100		
128	44.2	36.1	54.1
54	53.2	41.4	62.2





#25

Isophorone

Concen: 42.930 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.26 min

Lab File: BF101254.D

Acq: 8 Dec 2017 23:34

Instrument :

BNA_F

ClientSampled :

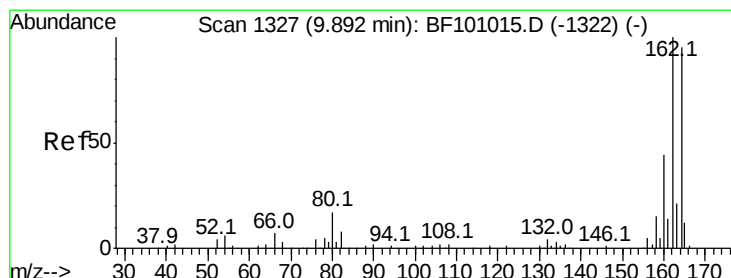
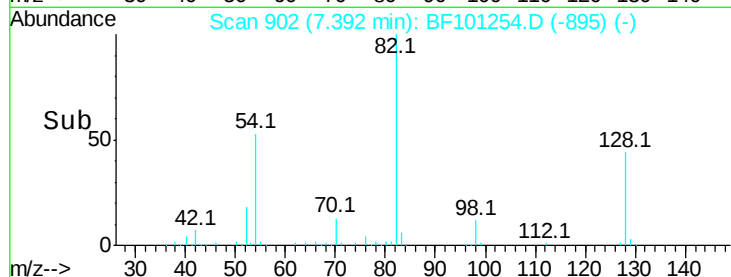
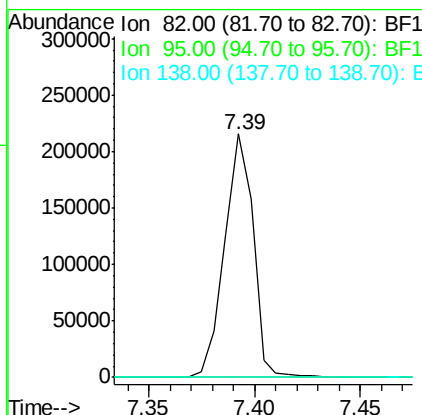
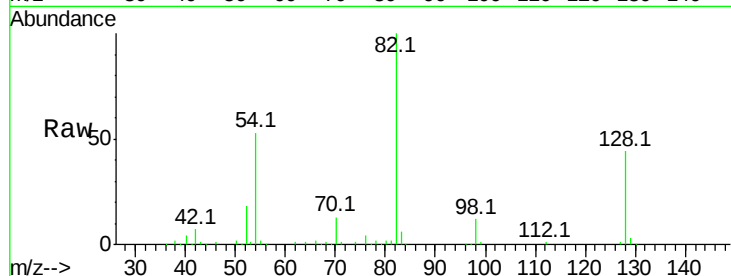
Tot Ion: 82 Resp: 200995

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: 9.87 min Scan# 1323

Delta R.T. 0.00 min

Lab File: BF101254.D

Acq: 8 Dec 2017 23:34

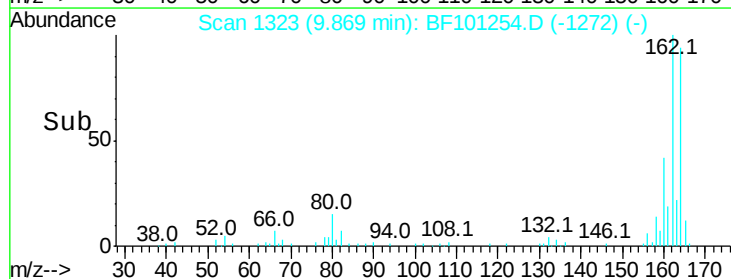
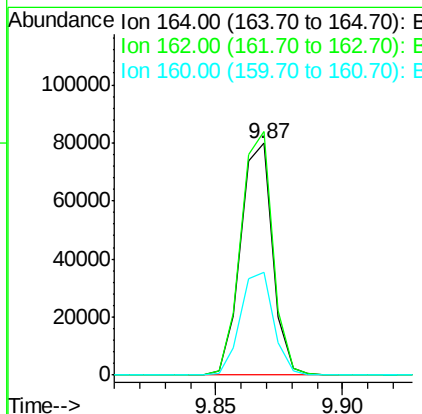
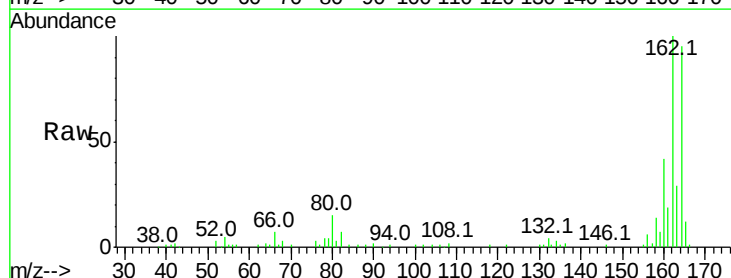
Tgt Ion:164 Resp: 69816

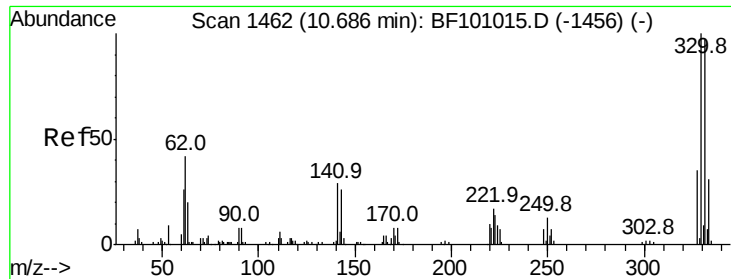
Ion Ratio Lower Upper

164 100

162 105.0 86.1 129.1

160 44.4 38.3 57.5

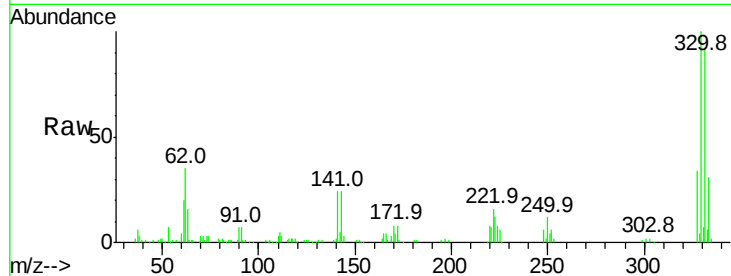




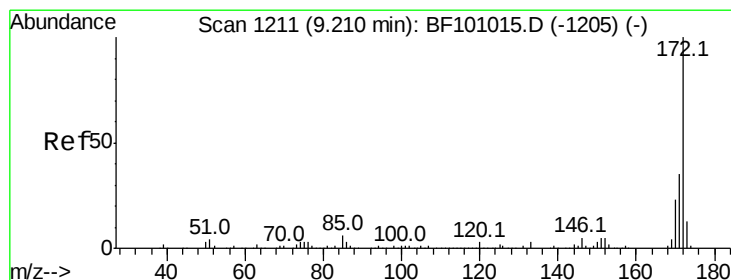
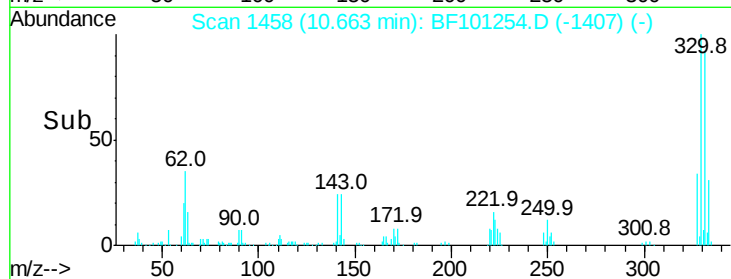
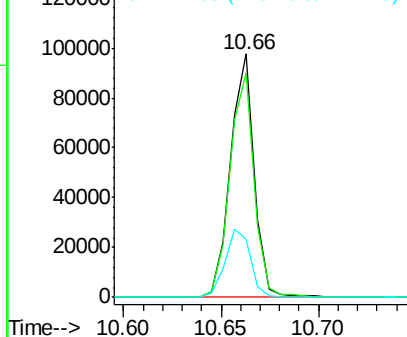
#41
 2,4,6-Tribromophenol
 Concen: 97.875 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: BF101254.D
 Acq: 8 Dec 2017 23:34

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 82087
 Ion Ratio Lower Upper
 330 100
 332 94.4 77.0 115.6
 141 30.0 29.9 44.9

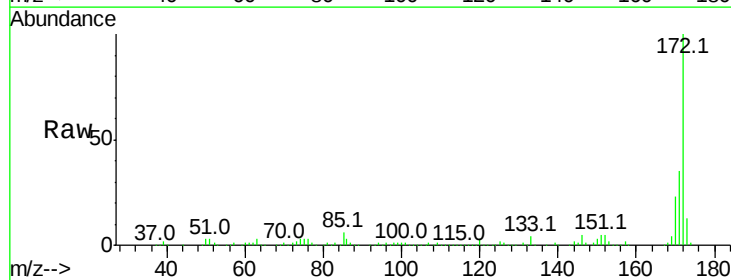


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

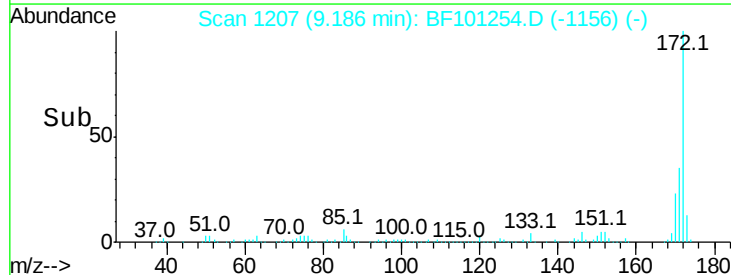
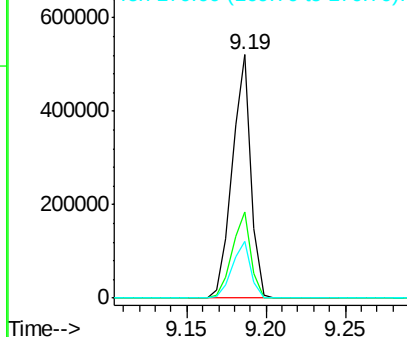


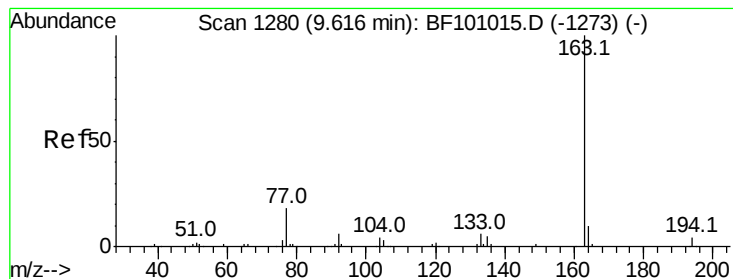
#44
 2-Fluorobiphenyl
 Concen: 82.851 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. 0.00 min
 Lab File: BF101254.D
 Acq: 8 Dec 2017 23:34

Tgt Ion:172 Resp: 422770
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.7 44.5
 170 23.2 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: 3.465 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.01 min

Lab File: BF101254.D

Acq: 8 Dec 2017 23:34

Instrument :

BNA_F

ClientSampleId :

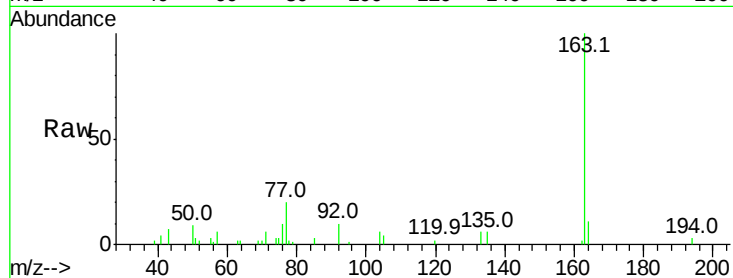
Tot Ion:163 Resp: 19508

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

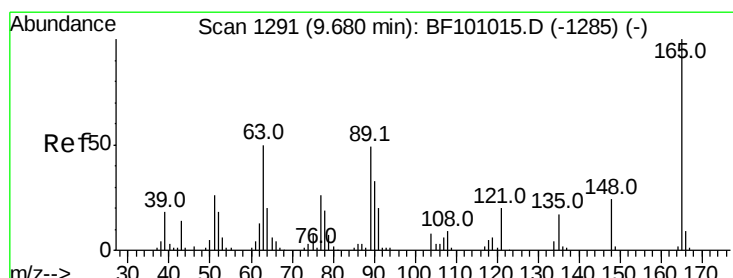
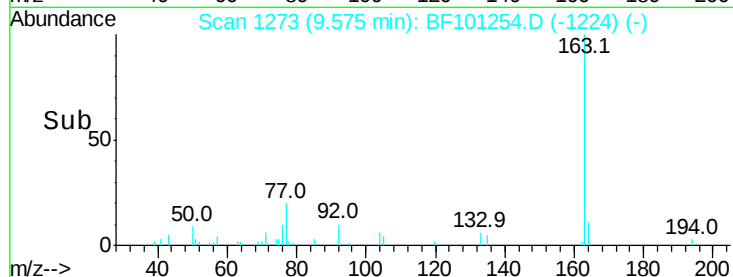
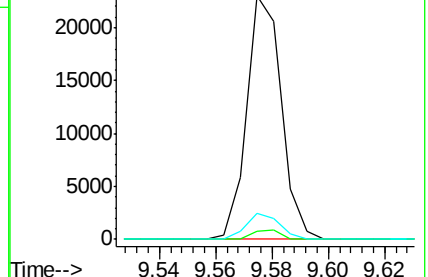
164 10.8 8.2 12.2



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: 7.763 ng

RT: 9.86 min Scan# 1322

Delta R.T. 0.21 min

Lab File: BF101254.D

Acq: 8 Dec 2017 23:34

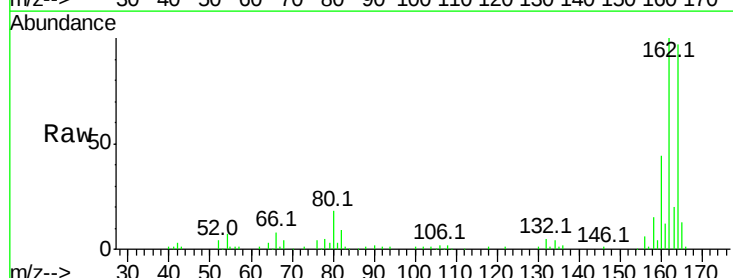
Tgt Ion:165 Resp: 9206

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

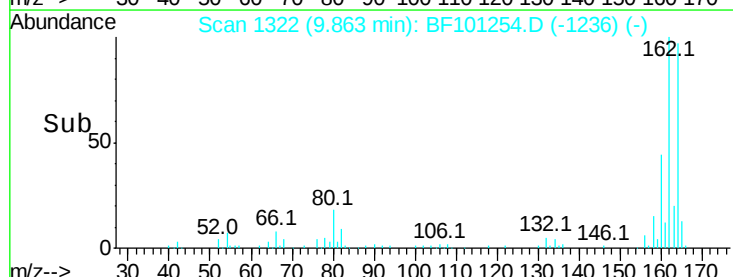
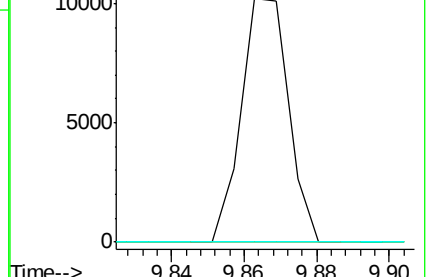
89 0.0 44.0 66.0#

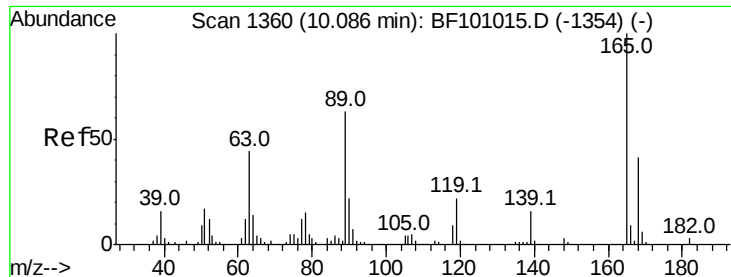


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#56

2,4-Dinitrotoluene

Concen: 5.792 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.20 min

Lab File: BF101254.D

Acq: 8 Dec 2017 23:34

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 9206

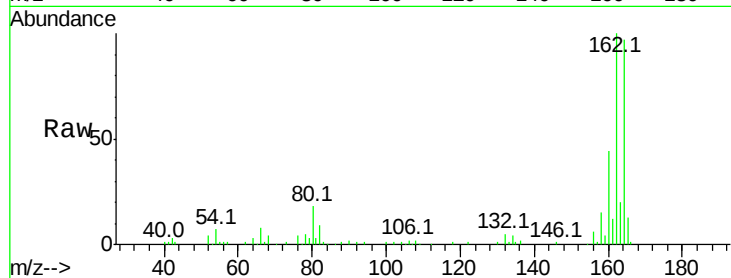
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

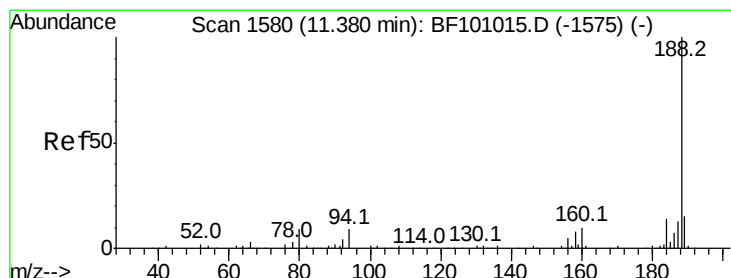
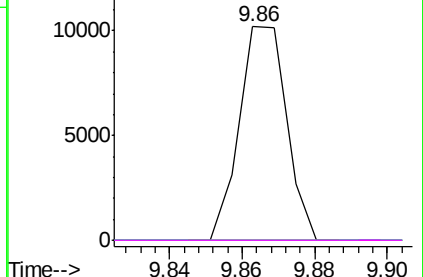
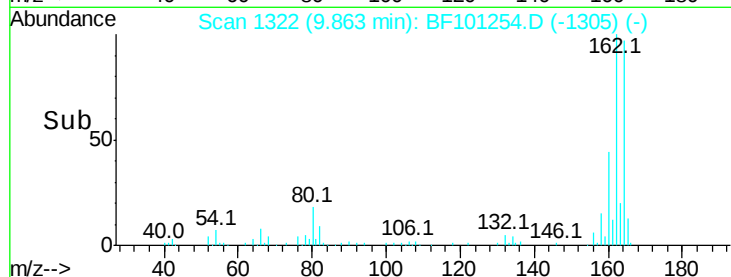


Abundance Ion 165.00 (164.70 to 165.70): E

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# 1576

Delta R.T. 0.00 min

Lab File: BF101254.D

Acq: 8 Dec 2017 23:34

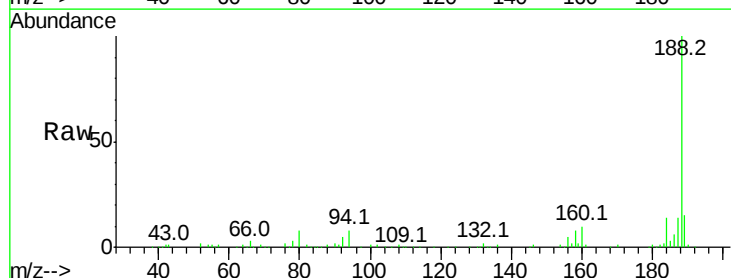
Tgt Ion:188 Resp: 121346

Ion Ratio Lower Upper

188 100

94 7.8 8.5 12.7#

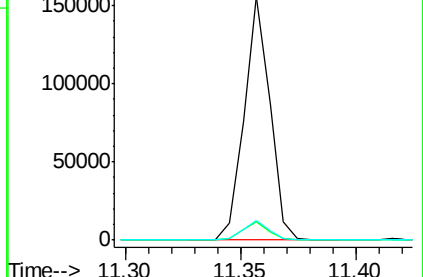
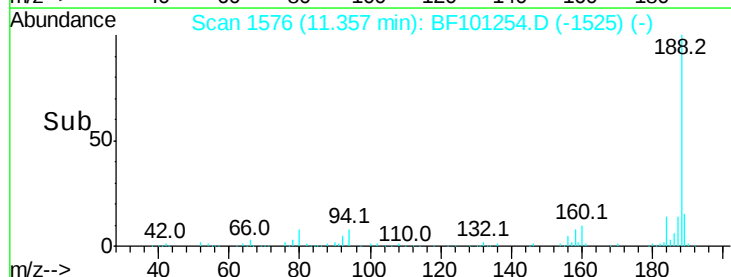
80 8.3 9.2 13.8#

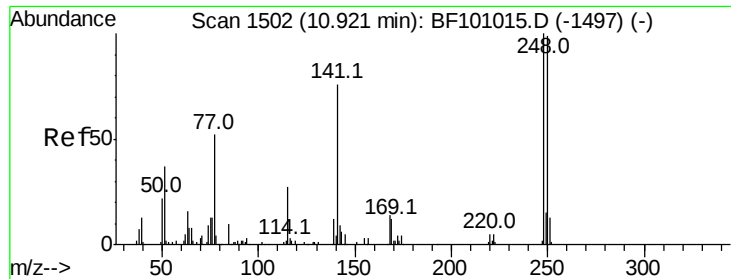


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

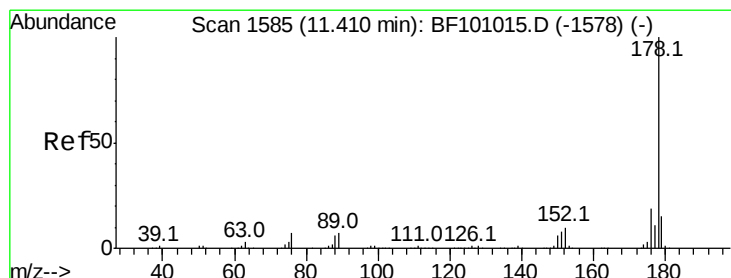
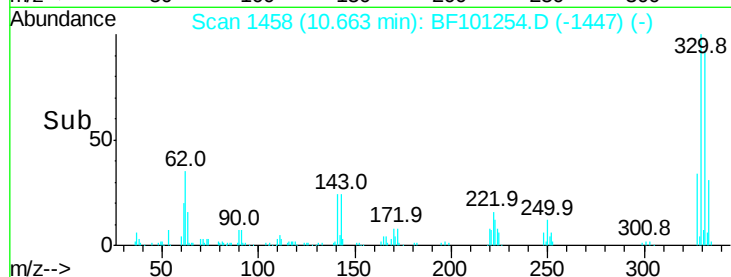
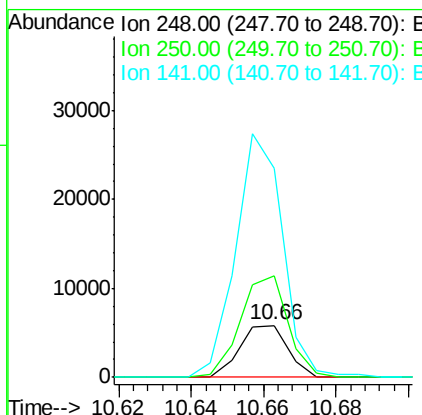
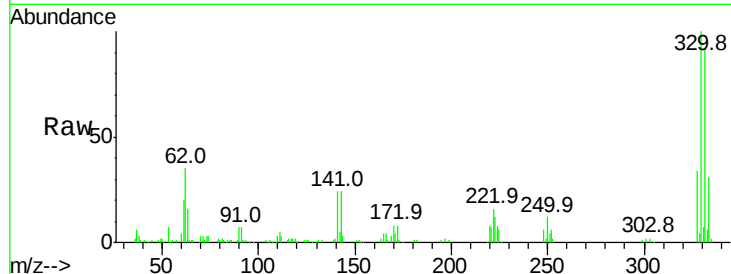




#66
 4-Bromophenyl-phenylether
 Concen: 3.915 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.24 min
 Lab File: BF101254.D
 Acq: 8 Dec 2017 23:34

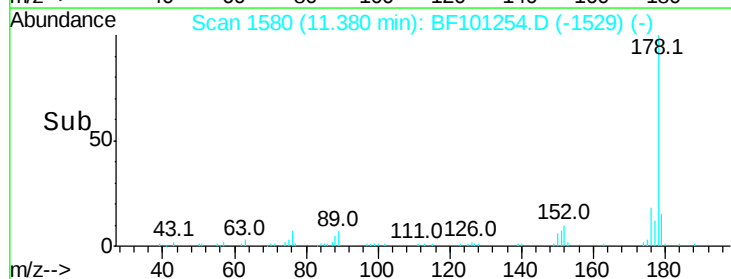
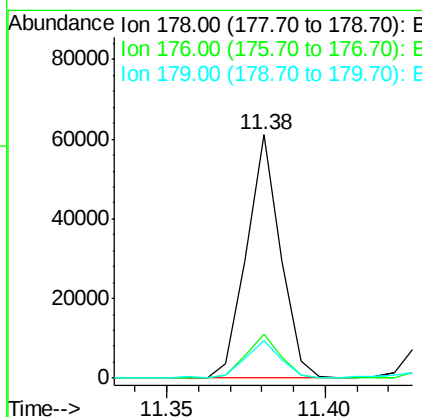
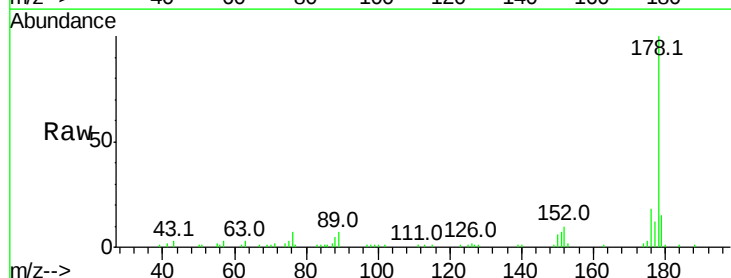
Instrument :
 BNA_F
 ClientSampleId :

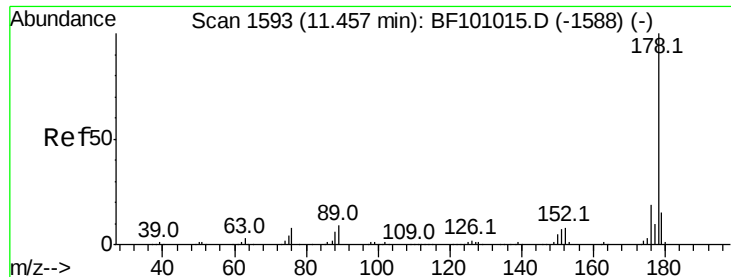
Tot Ion	Ratio	Lower	Upper
248	100		
250	195.9	76.9	115.3#
141	403.4	74.4	111.6#



#70
 Phenanthrene
 Concen: 6.772 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. 0.00 min
 Lab File: BF101254.D
 Acq: 8 Dec 2017 23:34

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.8	23.8
179	15.4	13.0	19.6

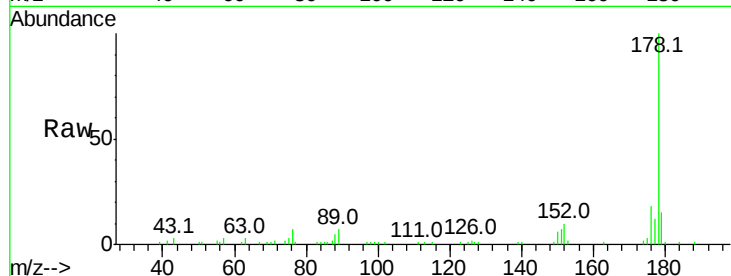




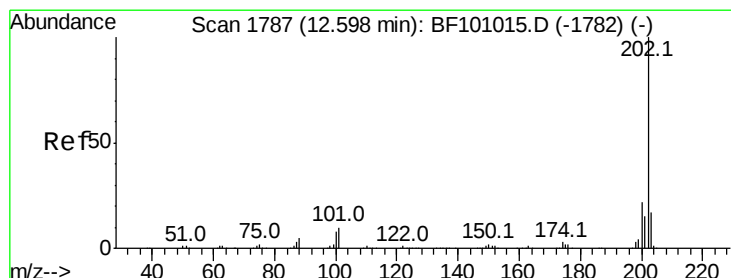
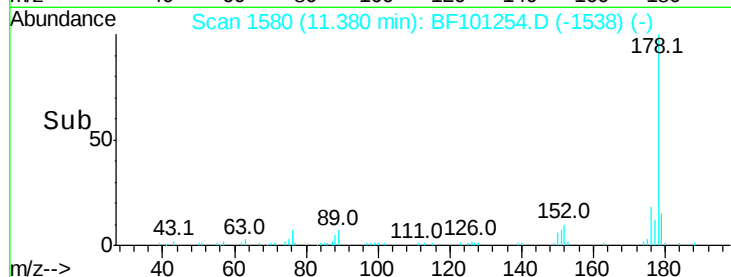
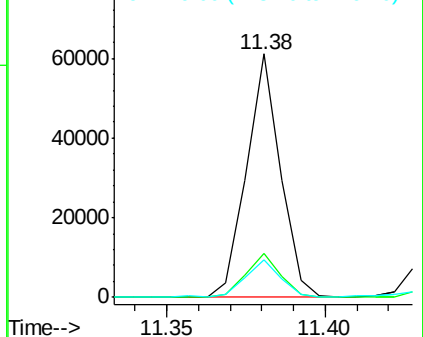
#71
 Anthracene
 Concen: 6.691 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.05 min
 Lab File: BF101254.D
 Acq: 8 Dec 2017 23:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 45253
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.4 23.2
 179 15.4 12.6 19.0

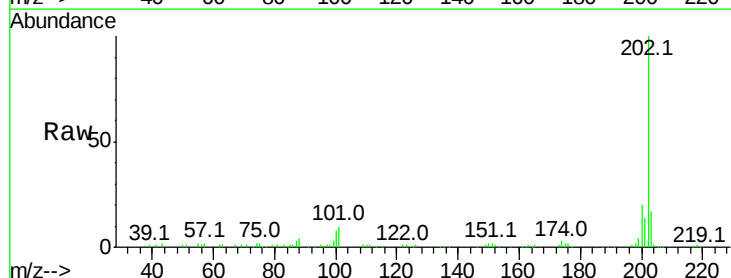


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

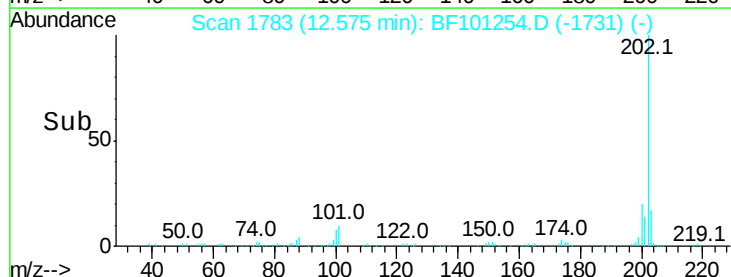
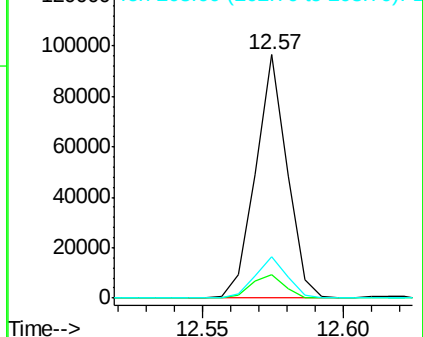


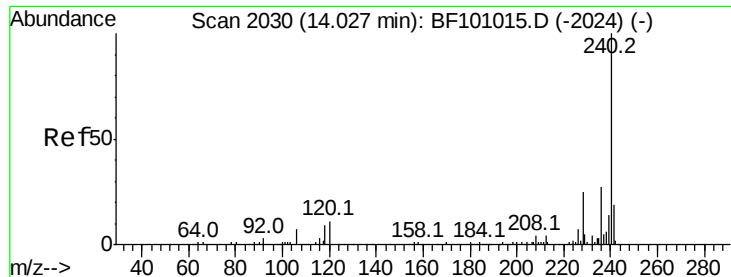
#74
 Fluoranthene
 Concen: 10.079 ng
 RT: 12.57 min Scan# 1783
 Delta R.T. 0.01 min
 Lab File: BF101254.D
 Acq: 8 Dec 2017 23:34

Tgt Ion:202 Resp: 74661
 Ion Ratio Lower Upper
 202 100
 101 9.8 0.0 34.1
 203 16.9 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: 14.00 min Scan# 2026

Delta R.T. 0.00 min

Lab File: BF101254.D

Acq: 8 Dec 2017 23:34

Instrument :

BNA_F

ClientSampleId :

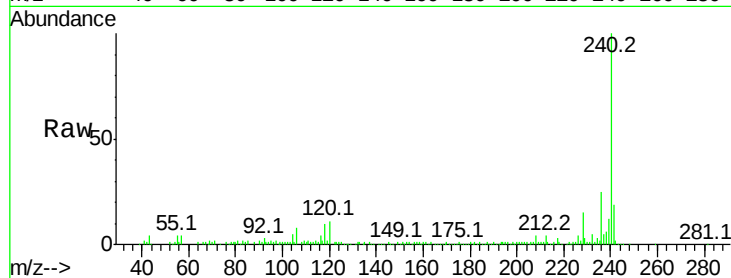
Tot Ion:240 Resp: 98440

Ion Ratio Lower Upper

240 100

120 11.0 9.5 14.3

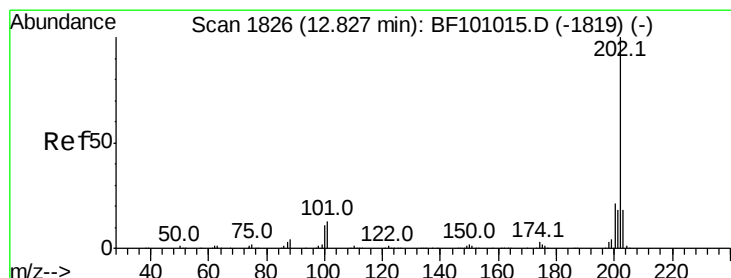
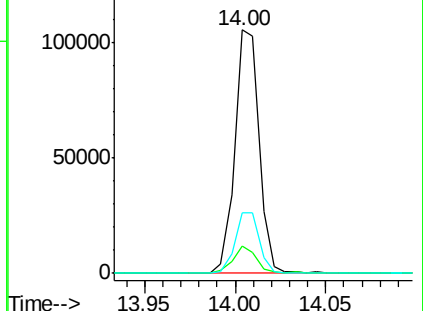
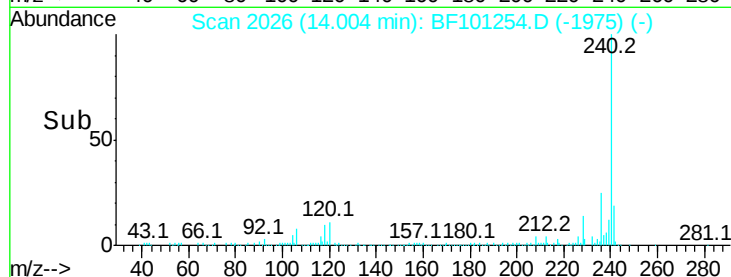
236 24.7 20.7 31.1



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: 10.755 ng

RT: 12.80 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BF101254.D

Acq: 8 Dec 2017 23:34

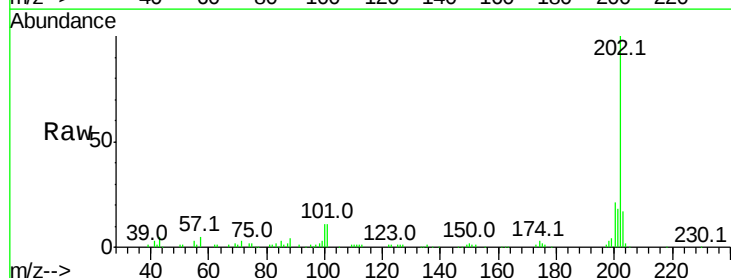
Tgt Ion:202 Resp: 73058

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

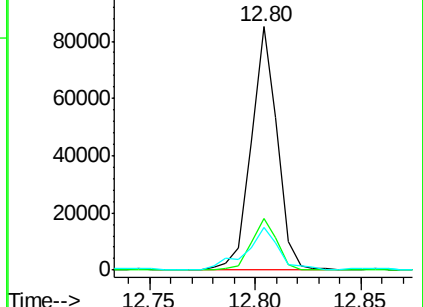
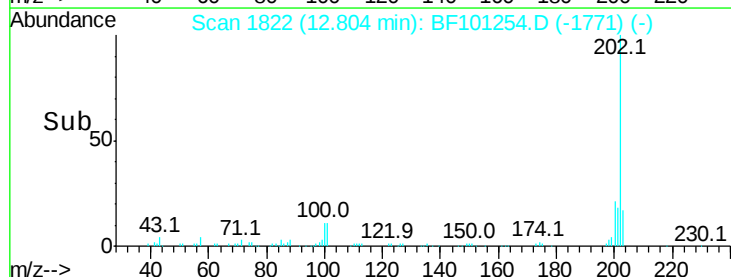
203 17.5 14.3 21.5

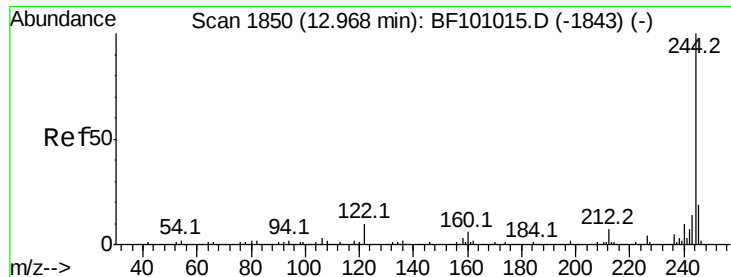


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

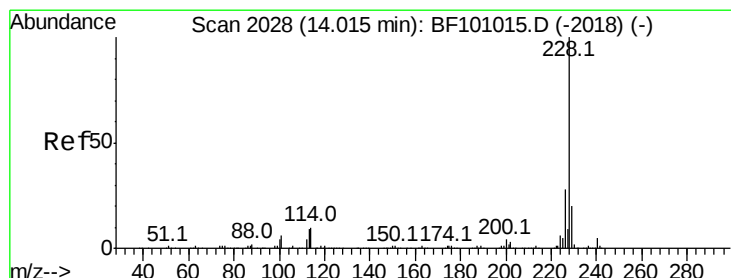
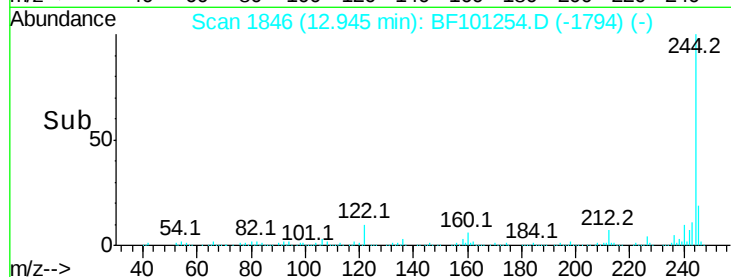
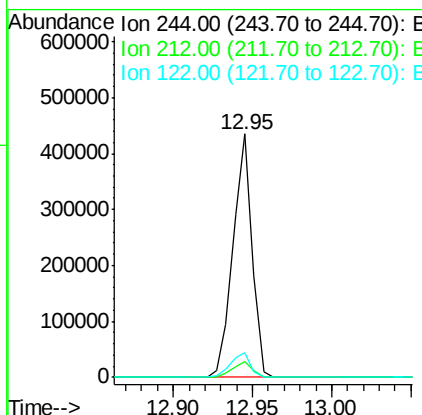
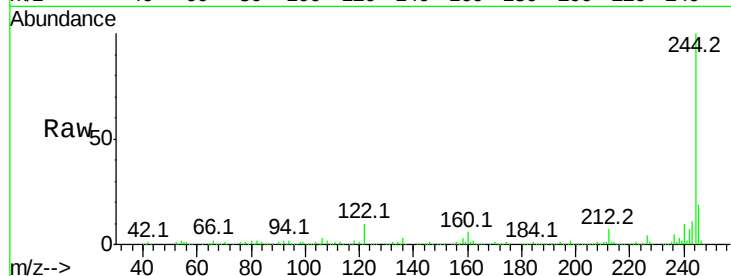




#78
 Terphenyl-d14
 Concen: 80.749 ng
 RT: 12.95 min Scan# 1846
 Delta R.T. 0.01 min
 Lab File: BF101254.D
 Acq: 8 Dec 2017 23:34

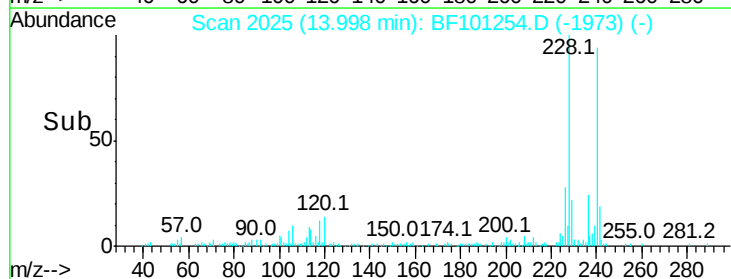
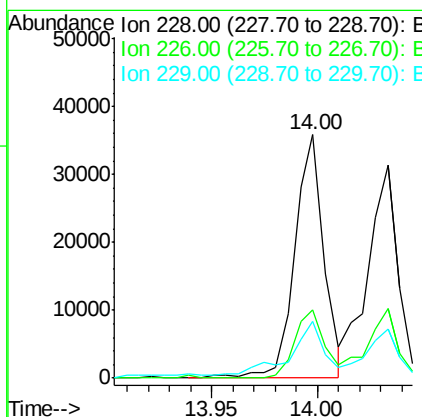
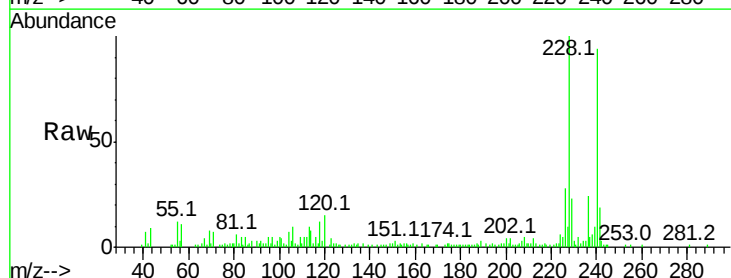
Instrument :
 BNA_F
 ClientSampleId :

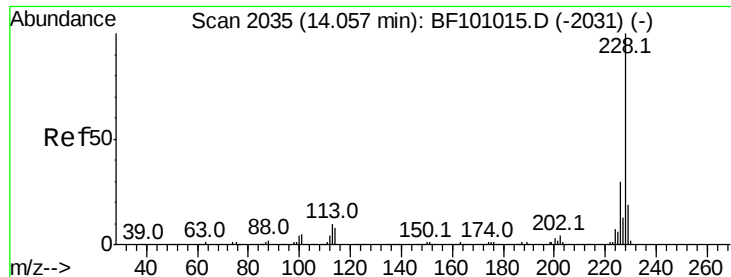
Tot Ion:244 Resp: 363419
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 10.2 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 5.552 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. 0.01 min
 Lab File: BF101254.D
 Acq: 8 Dec 2017 23:34

Tgt Ion:228 Resp: 34506
 Ion Ratio Lower Upper
 228 100
 226 27.8 22.6 33.8
 229 23.1 15.8 23.6





#82

Chrysene

Concen: 5.528 ng

RT: 14.03 min Scan# 2031

Delta R.T. 0.00 min

Lab File: BF101254.D

Acq: 8 Dec 2017 23:34

Instrument :

BNA_F

ClientSampled :

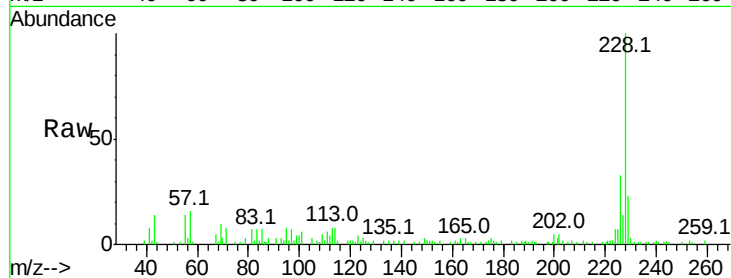
Tot Ion:228 Resp: 31912

Ion Ratio Lower Upper

228 100

226 32.9 25.0 37.6

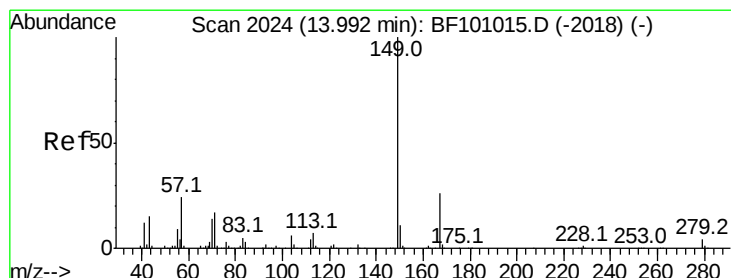
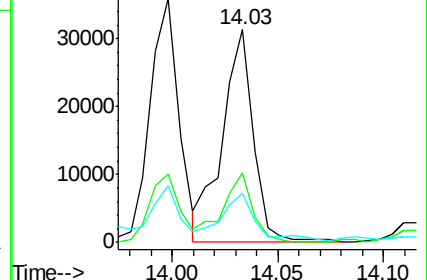
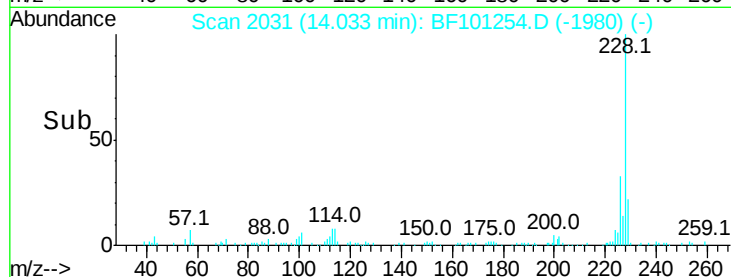
229 23.1 16.2 24.4



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: 2.042 ng

RT: 13.97 min Scan# 2020

Delta R.T. 0.01 min

Lab File: BF101254.D

Acq: 8 Dec 2017 23:34

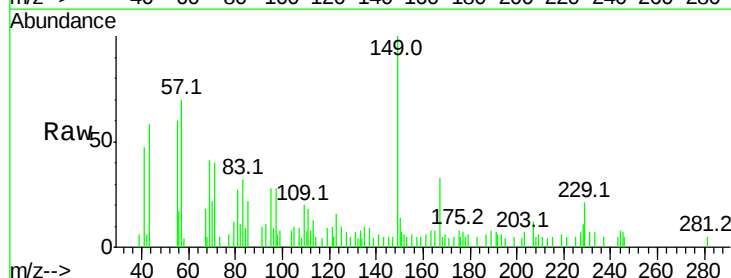
Tgt Ion:149 Resp: 8718

Ion Ratio Lower Upper

149 100

167 32.5 21.3 31.9#

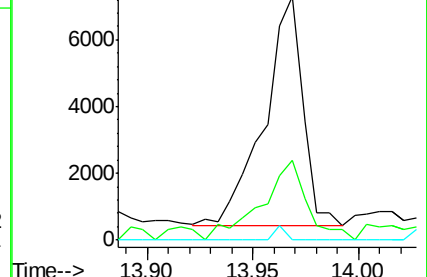
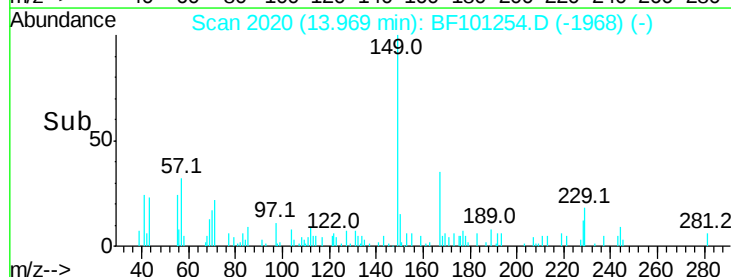
279 0.0 3.0 4.4#

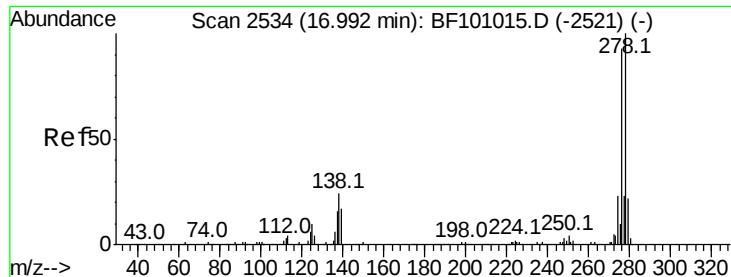


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

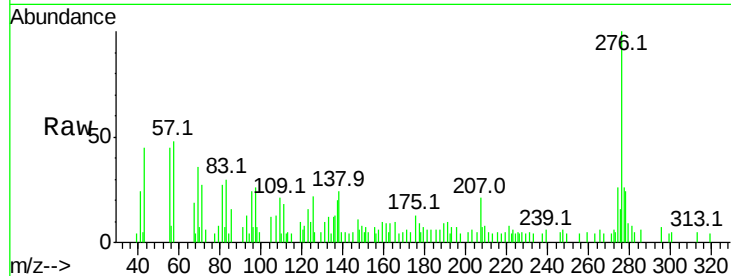




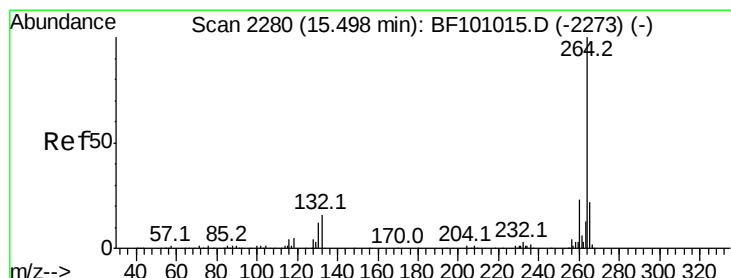
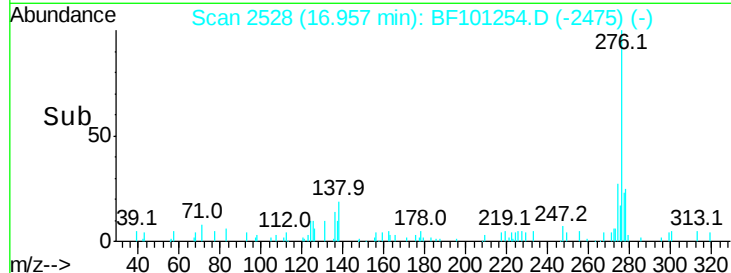
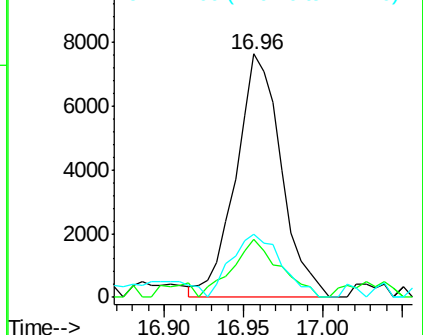
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.959 ng
RT: 16.96 min Scan# 2528
Delta R.T. 0.01 min
Lab File: BF101254.D
Acq: 8 Dec 2017 23:34

Instrument :
BNA_F
ClientSampled :

Tot Ion:276 Resp: 15185
Ion Ratio Lower Upper
276 100
138 24.6 25.0 37.6#
277 28.5 20.1 30.1

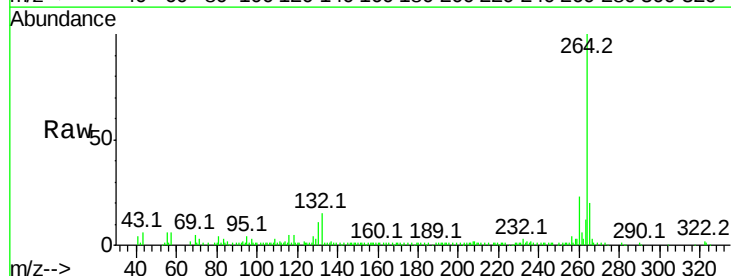


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

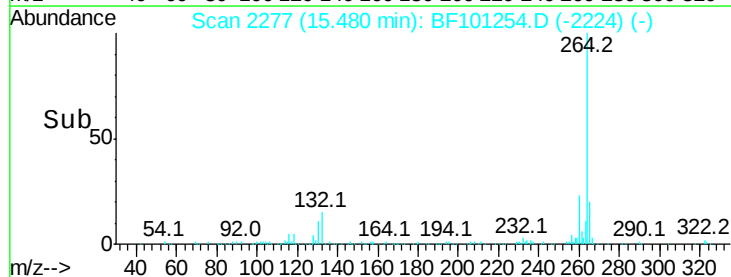
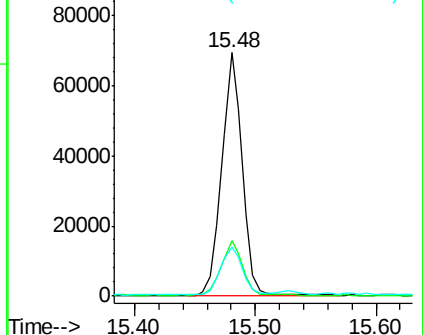


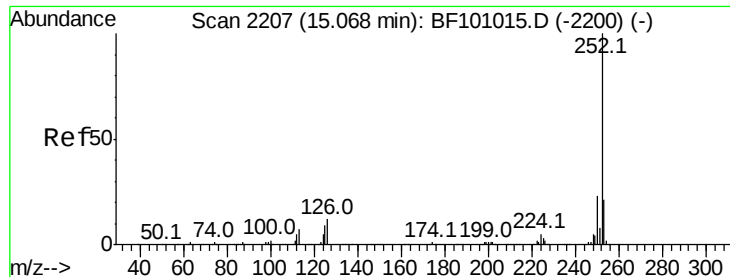
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.01 min
Lab File: BF101254.D
Acq: 8 Dec 2017 23:34

Tgt Ion:264 Resp: 81531
Ion Ratio Lower Upper
264 100
260 22.6 19.2 28.8
265 20.4 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

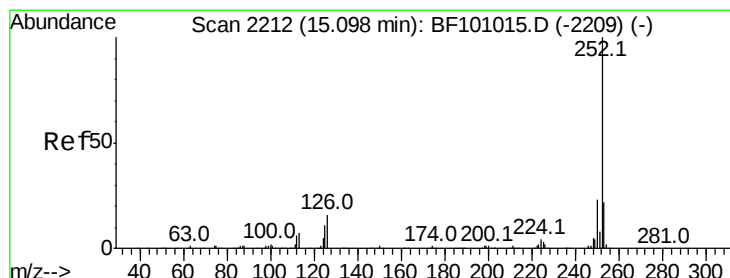
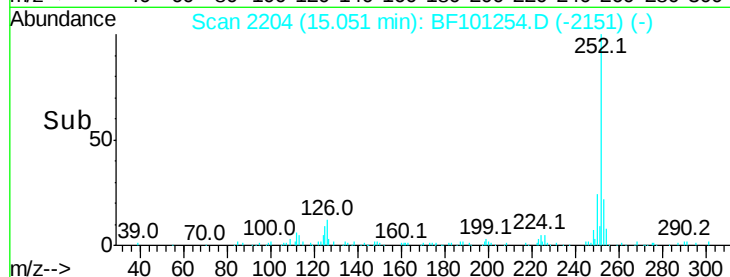
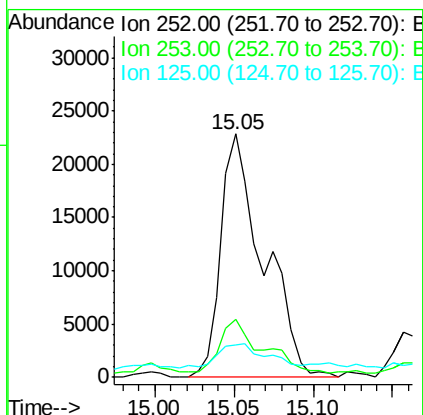
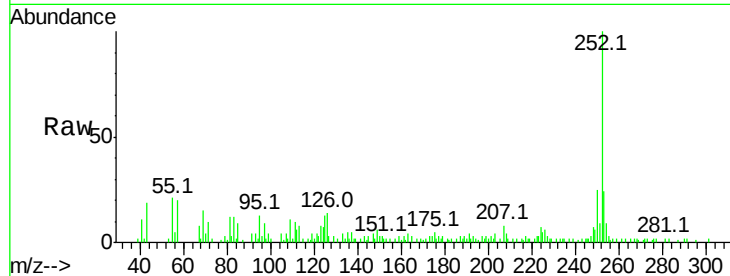




#87
Benzo(b)fluoranthene
Concen: 8.757 ng
RT: 15.05 min Scan# 2204
Delta R.T. 0.01 min
Lab File: BF101254.D
Acq: 8 Dec 2017 23:34

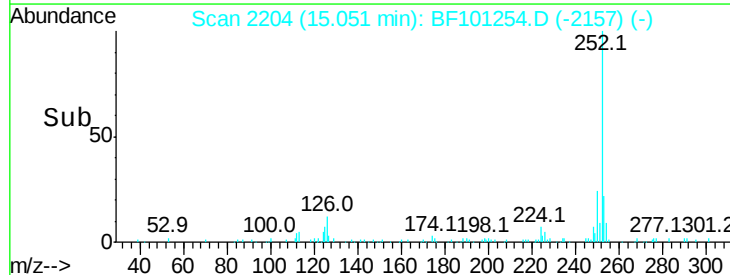
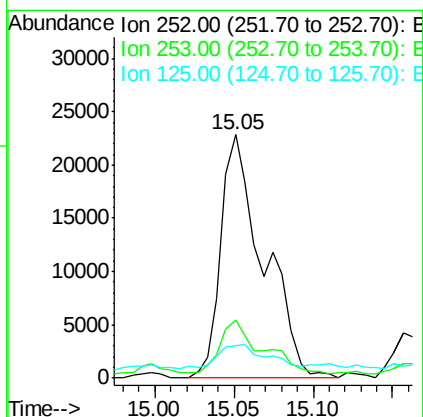
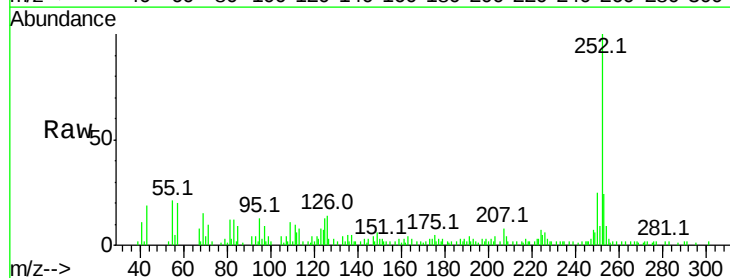
Instrument :
BNA_F
ClientSampleId :

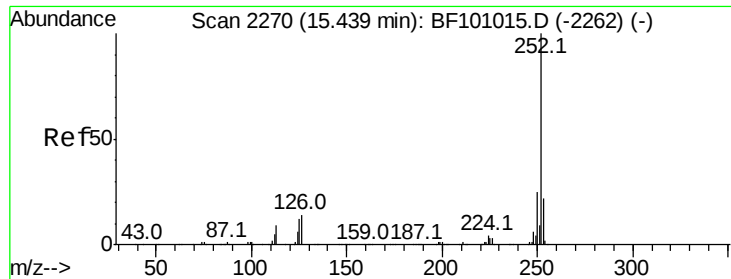
Tot Ion:252 Resp: 42764
Ion Ratio Lower Upper
252 100
253 23.6 17.0 25.6
125 13.3 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 8.888 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.02 min
Lab File: BF101254.D
Acq: 8 Dec 2017 23:34

Tgt Ion:252 Resp: 42764
Ion Ratio Lower Upper
252 100
253 23.6 17.9 26.9
125 13.3 10.2 15.2

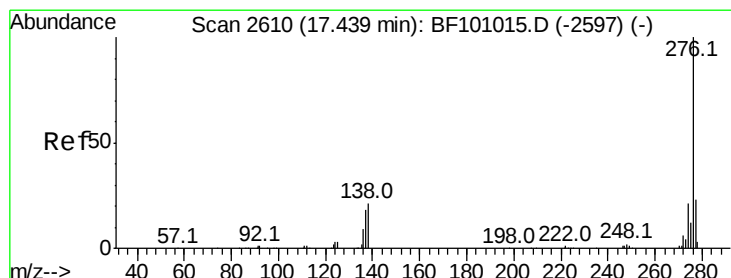
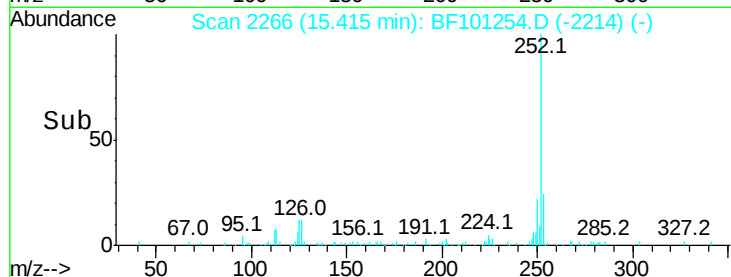
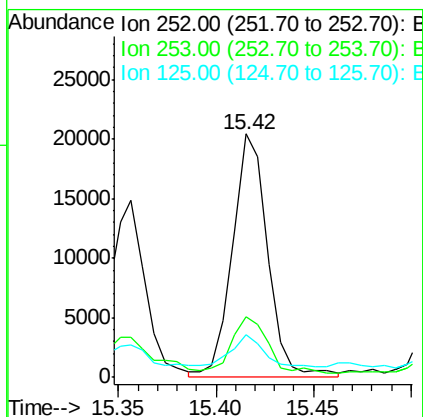
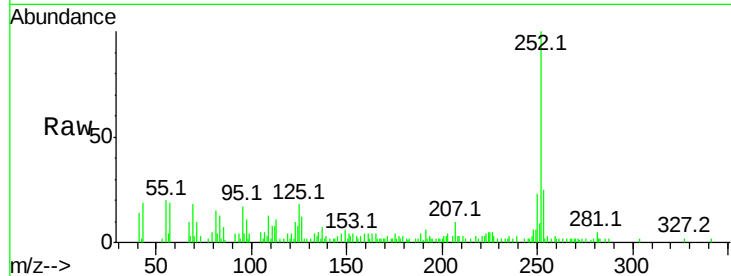




#89
Benzo(a)pyrene
Concen: 5.785 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.01 min
Lab File: BF101254.D
Acq: 8 Dec 2017 23:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 25682
Ion Ratio Lower Upper
252 100
253 25.1 17.1 25.7
125 17.8 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 4.247 ng
RT: 17.42 min Scan# 2606
Delta R.T. 0.02 min
Lab File: BF101254.D
Acq: 8 Dec 2017 23:34

Tgt Ion:276 Resp: 15667
Ion Ratio Lower Upper
276 100
277 26.3 17.9 26.9
138 20.8 21.8 32.8#

