

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121817\
 Data File : BF101478.D
 Acq On : 18 Dec 2017 14:09
 Operator : SJ/JU
 Sample : I6885-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-003

Quant Time: Dec 18 15:41:40 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 18 15:38:59 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	190119	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	771651	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	331665	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	582374	20.00	ng	0.00
75) Chrysene-d12	13.99	240	359476	20.00	ng	0.00
86) Perylene-d12	15.46	264	361270	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1270430	99.54	ng	0.01
7) Phenol-d6	6.46	99	1620400	102.01	ng	0.00
23) Nitrobenzene-d5	7.38	82	1009482	72.82	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	342809	107.27	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1563822	73.14	ng	0.00
78) Terphenyl-d14	12.92	244	1220612	81.86	ng	0.00

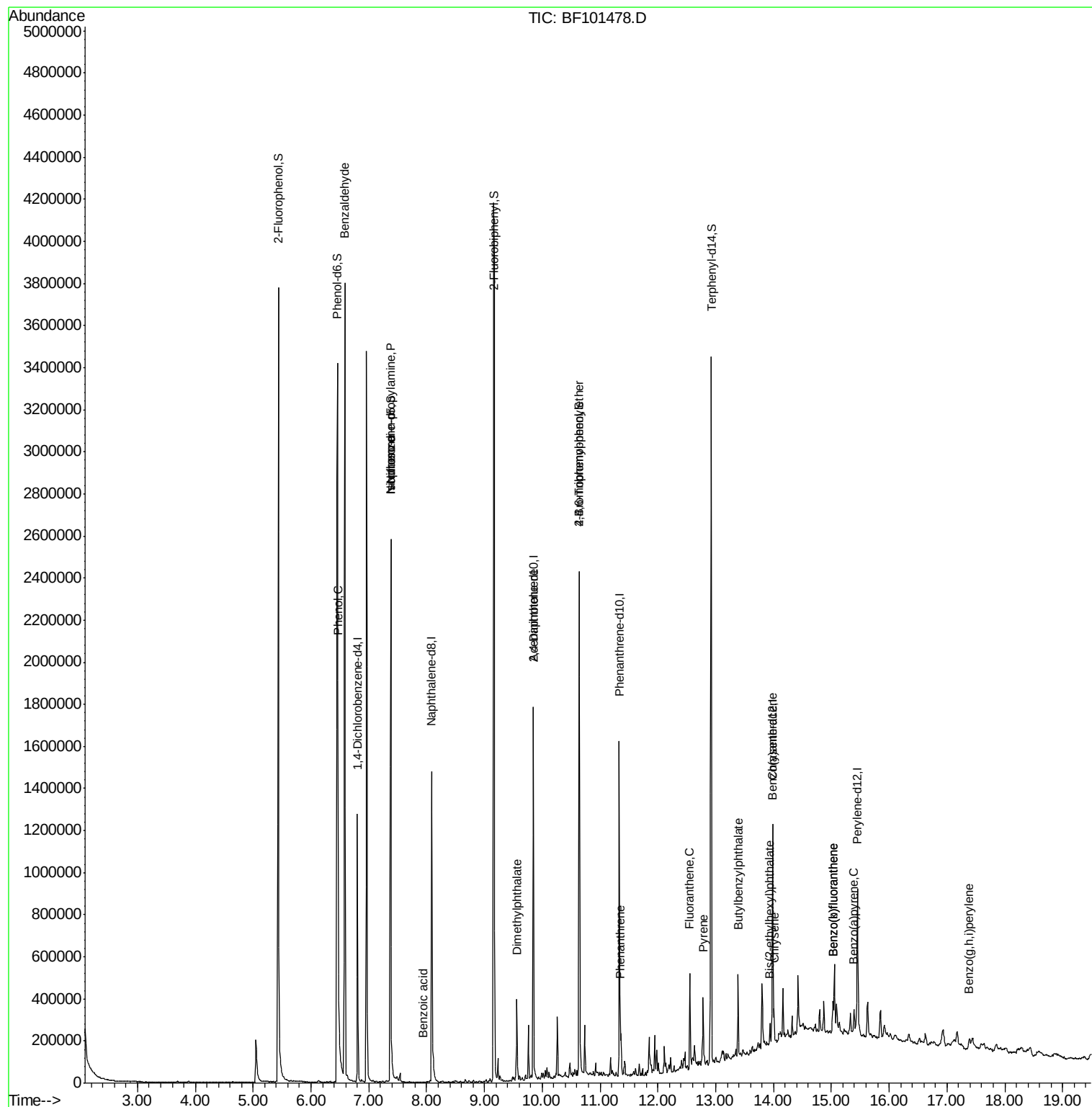
Target Compounds				Qvalue		
9) Benzaldehyde	6.59	77	26459	2.255	ng	82
10) Phenol	6.47	94	79684	4.401	ng	83
19) n-Nitroso-di-n-propylamine	7.38	70	133928	12.839	ng	# 81
25) Isophorone	7.38	82	1009482	36.301	ng	# 64
32) Benzoic acid	7.94	122	118	7.974	ng	# 34
49) Dimethylphthalate	9.56	163	154661	5.797	ng	99
56) 2,4-Dinitrotoluene	9.85	165	42396	6.940	ng	# 23
66) 4-Bromophenyl-phenylether	10.64	248	21230	3.244	ng	# 1
70) Phenanthrene	11.36	178	81839	2.527	ng	98
74) Fluoranthene	12.55	202	168943	4.970	ng	95
77) Pyrene	12.78	202	143934	5.335	ng	98
79) Butylbenzylphthalate	13.39	149	77148	6.320	ng	97
80) Benzo(a)anthracene	13.97	228	65066	2.741	ng	99
82) Chrysene	14.01	228	61463	2.742	ng	97
83) Bis(2-ethylhexyl)phthalate	13.94	149	32748	2.118	ng	98
87) Benzo(b)fluoranthene	15.03	252	114434	5.197	ng	# 94
88) Benzo(k)fluoranthene	15.03	252	114434	5.345	ng	97
89) Benzo(a)pyrene	15.39	252	58073	2.861	ng	# 91
91) Benzo(a,h,i)perylene	17.39	276	38610	2.237	ng	# 92

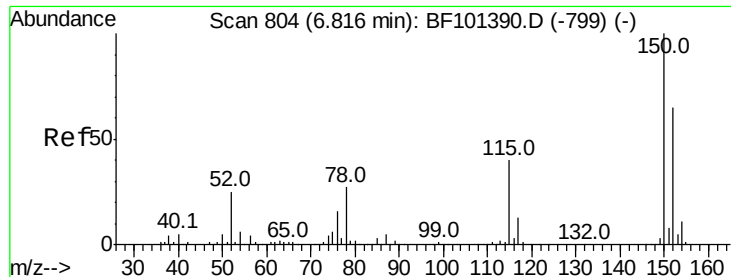
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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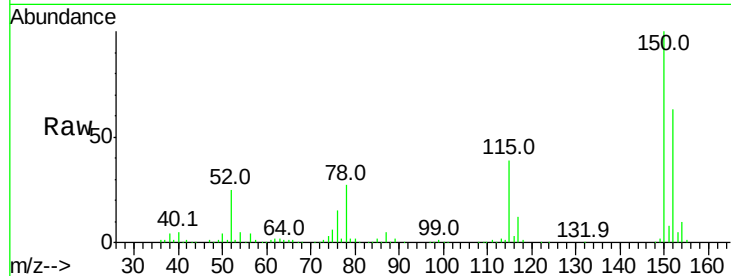


#1

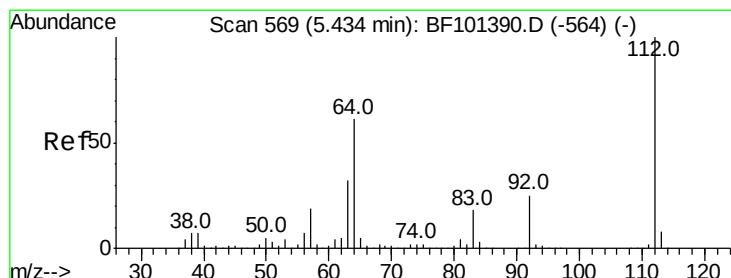
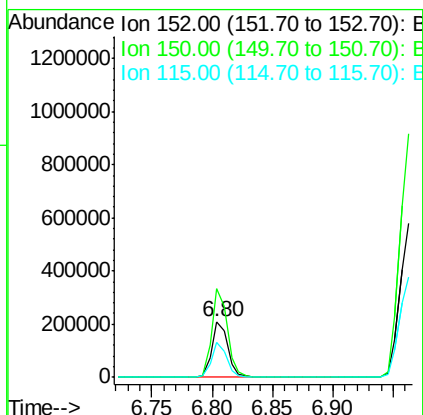
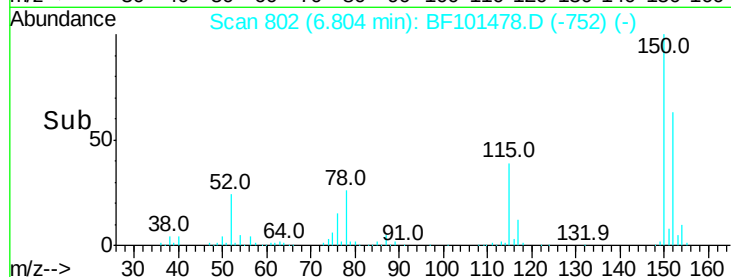
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF101478.D
Acq: 18 Dec 2017 14:09

Instrument :
BNA_F
ClientSampleId :
WC-003

Tot Ion:152 Resp: 190119
Ion Ratio Lower Upper
152 100
150 157.6 124.6 186.8
115 62.0 50.1 75.1



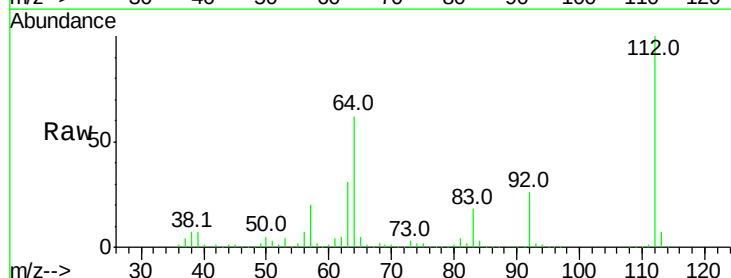
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



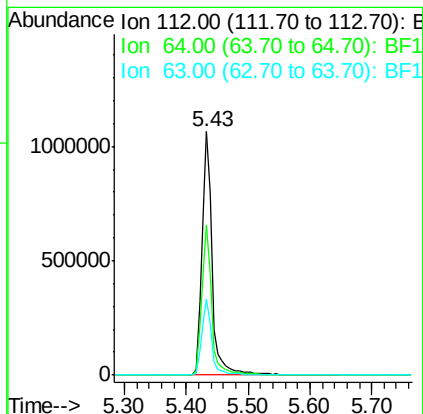
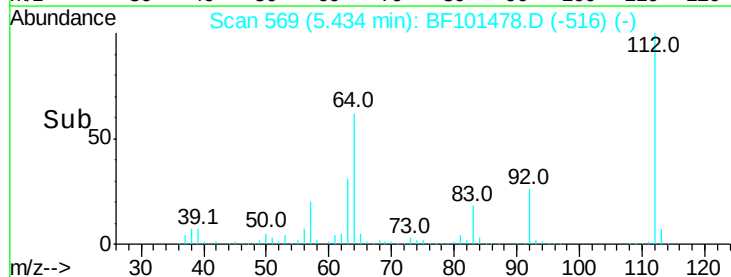
#5

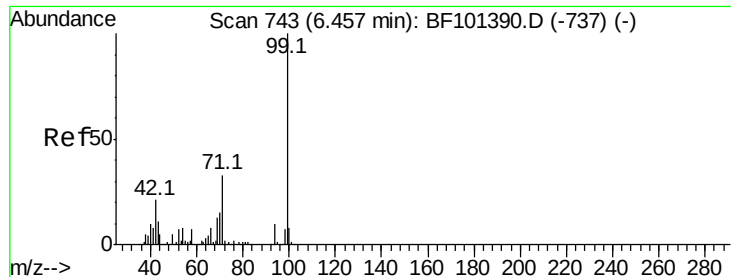
2-Fluorophenol
Concen: 99.538 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.01 min
Lab File: BF101478.D
Acq: 18 Dec 2017 14:09

Tgt Ion:112 Resp: 1270430
Ion Ratio Lower Upper
112 100
64 61.9 47.9 71.9
63 31.3 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: 102.012 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF101478.D

Acq: 18 Dec 2017 14:09

Instrument :

BNA_F

ClientSampleId :

WC-003

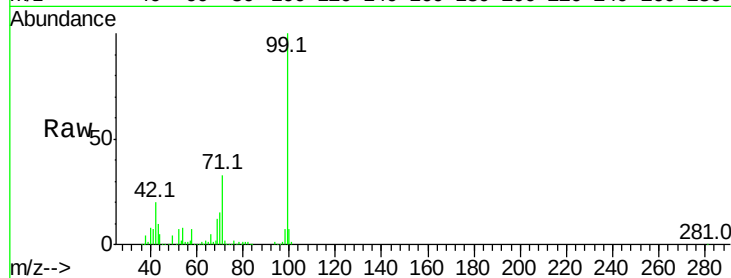
Tot Ion: 99 Resp: 1620400

Ion Ratio Lower Upper

99 100

42 20.4 14.5 21.7

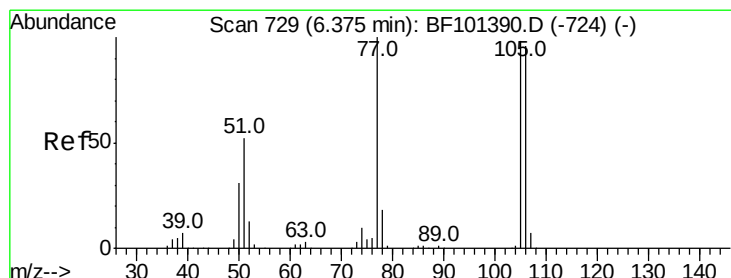
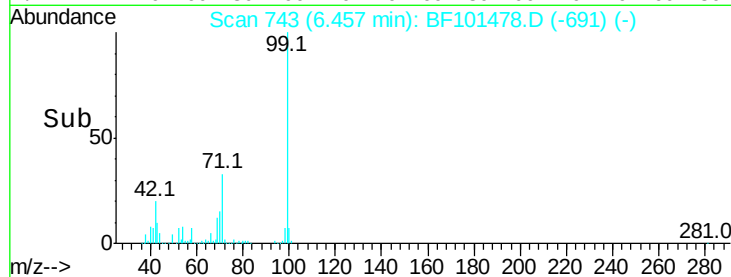
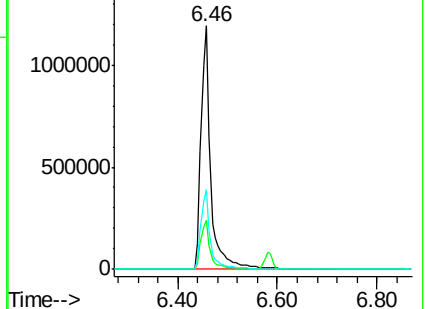
71 32.9 25.4 38.0



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: 2.255 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.22 min

Lab File: BF101478.D

Acq: 18 Dec 2017 14:09

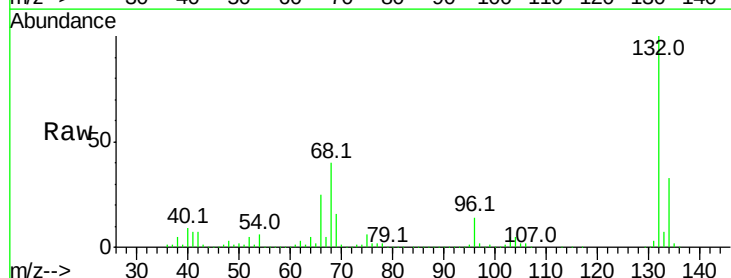
Tgt Ion: 77 Resp: 26459

Ion Ratio Lower Upper

77 100

105 82.7 81.1 121.1

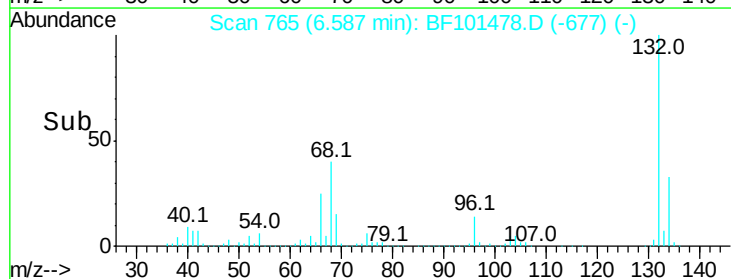
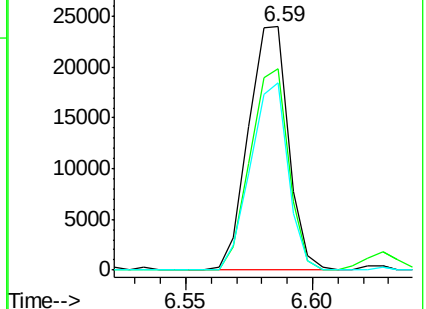
106 76.9 74.5 114.5

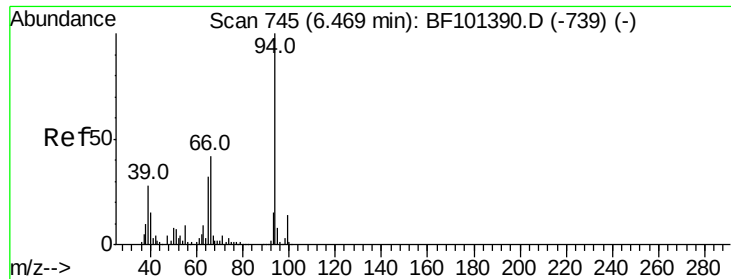


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 4.401 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF101478.D

Acq: 18 Dec 2017 14:09

Instrument :

BNA_F

ClientSampleId :

WC-003

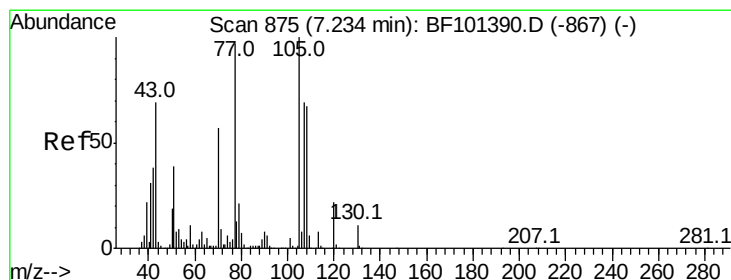
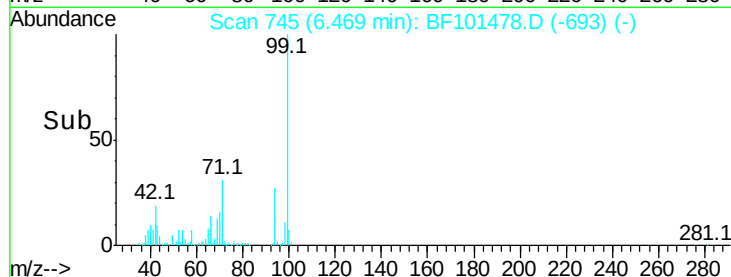
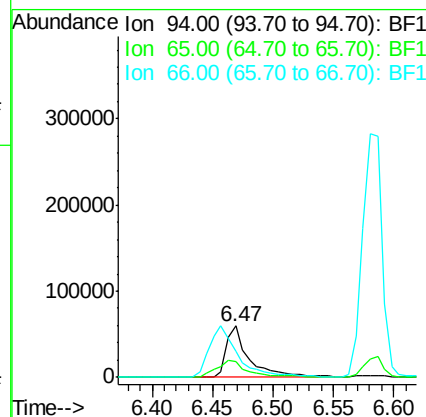
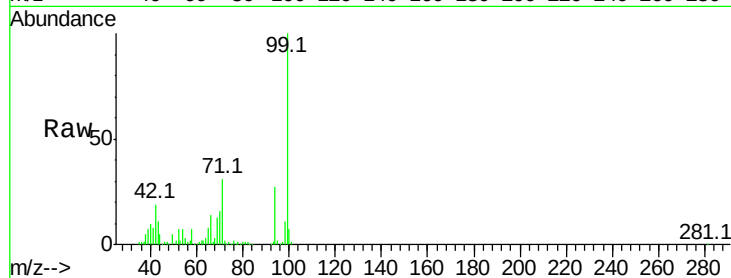
Tot Ion: 94 Resp: 79684

Ion Ratio Lower Upper

94 100

65 31.9 7.9 47.9

66 50.9 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 12.839 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.15 min

Lab File: BF101478.D

Acq: 18 Dec 2017 14:09

Tgt Ion: 70 Resp: 133928

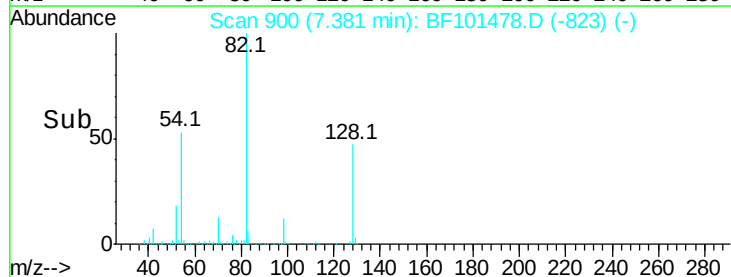
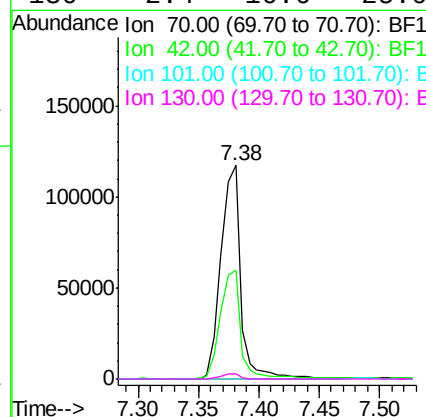
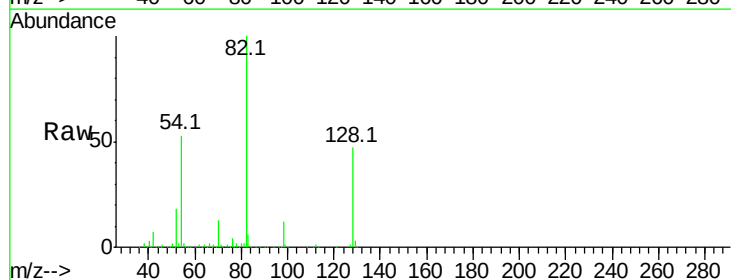
Ion Ratio Lower Upper

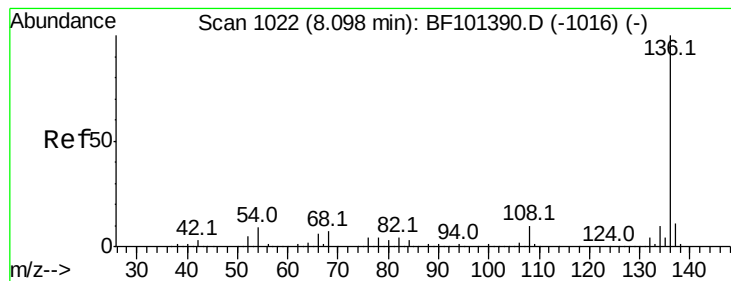
70 100

42 51.0 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: 8.09 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BF101478.D

Acq: 18 Dec 2017 14:09

Instrument :

BNA_F

ClientSampled :

WC-003

Tot Ion:136 Resp: 771651

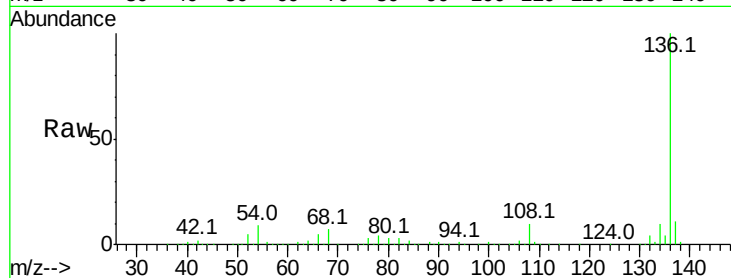
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 9.2 6.6 9.8

68 6.7 5.0 7.4

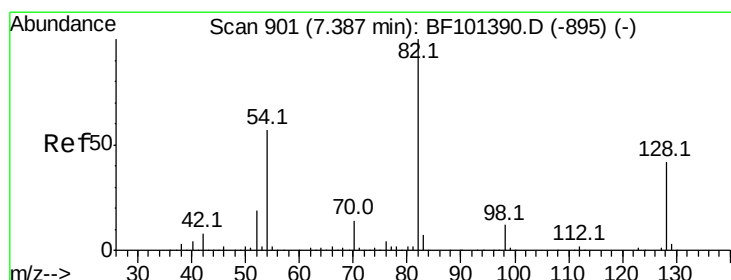
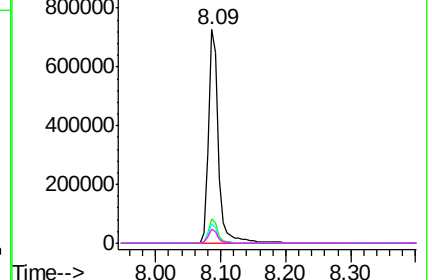
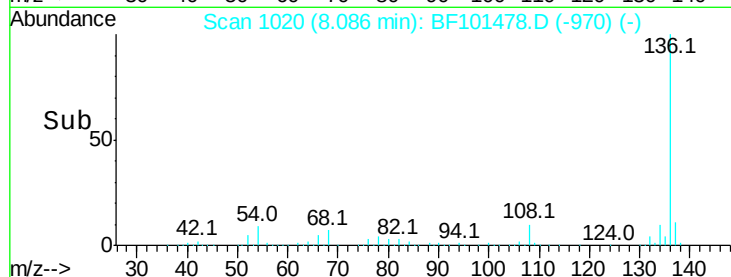


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 72.823 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.00 min

Lab File: BF101478.D

Acq: 18 Dec 2017 14:09

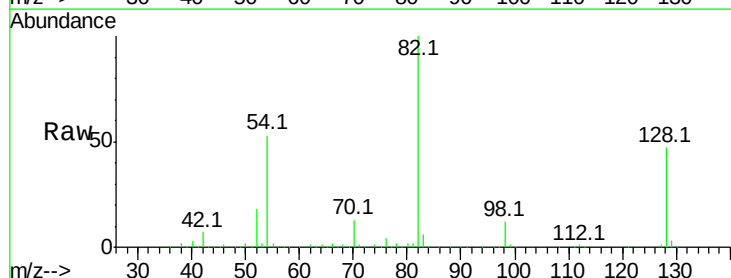
Tgt Ion: 82 Resp: 1009482

Ion Ratio Lower Upper

82 100

128 46.8 36.1 54.1

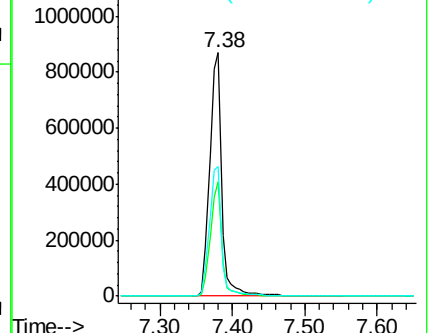
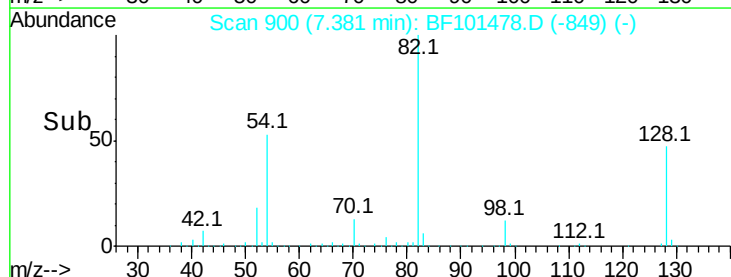
54 53.1 41.4 62.2

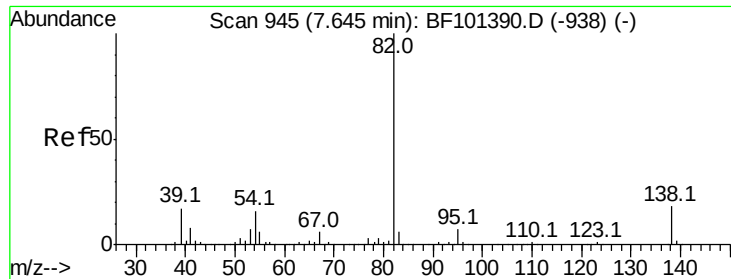


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 36.301 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.25 min

Lab File: BF101478.D

Acq: 18 Dec 2017 14:09

Instrument :

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ClientSampleId :

WC-003

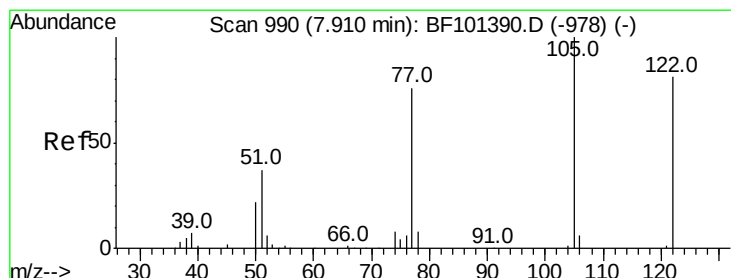
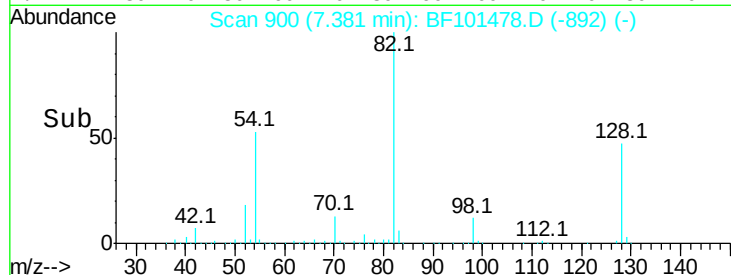
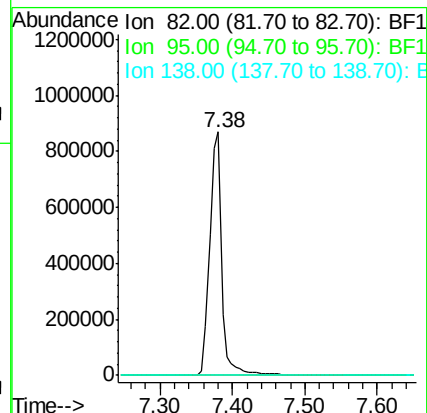
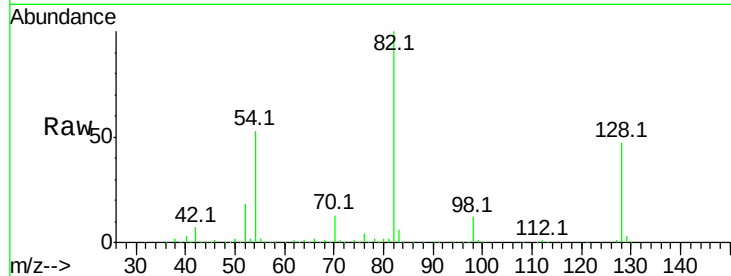
Tot Ion: 82 Resp: 1009482

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#32

Benzoic acid

Concen: 7.974 ng

RT: 7.94 min Scan# 995

Delta R.T. 0.03 min

Lab File: BF101478.D

Acq: 18 Dec 2017 14:09

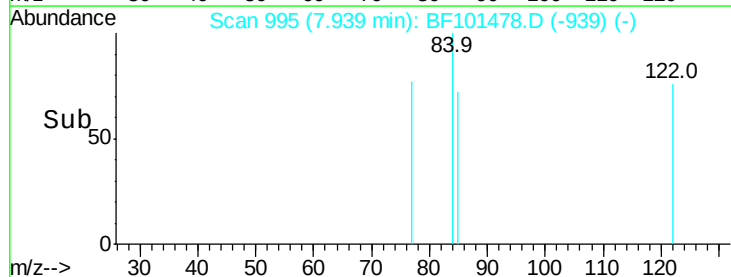
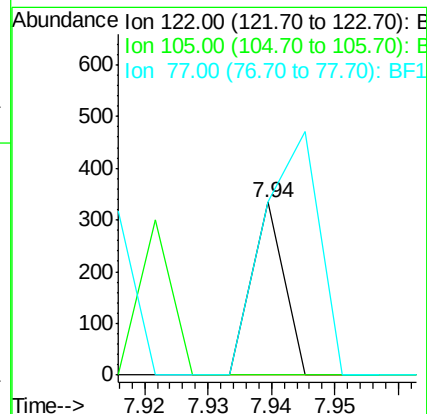
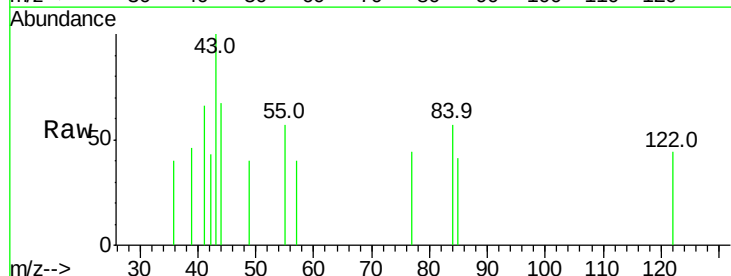
Tgt Ion: 122 Resp: 118

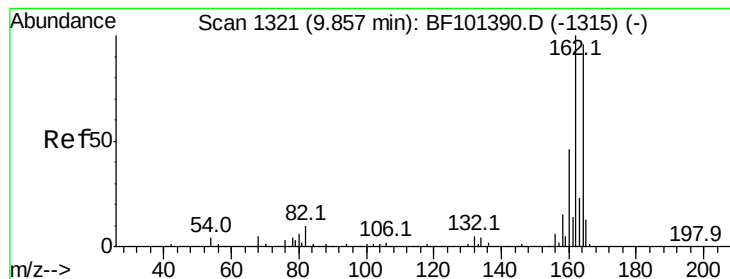
Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

77 100.3 70.7 110.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.00 min

Lab File: BF101478.D

Acq: 18 Dec 2017 14:09

Instrument :

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ClientSampleId :

WC-003

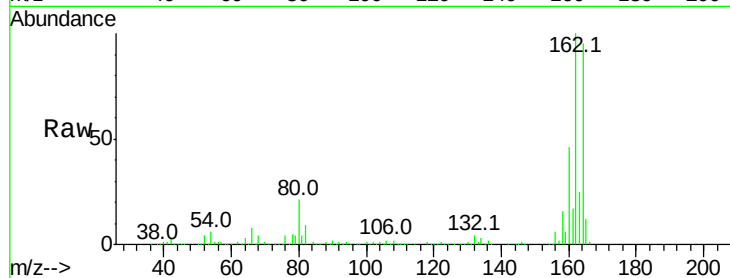
Tot Ion:164 Resp: 331665

Ion Ratio Lower Upper

164 100

162 105.6 86.1 129.1

160 48.2 38.3 57.5

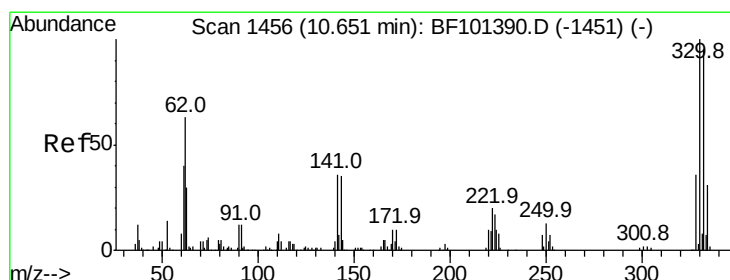
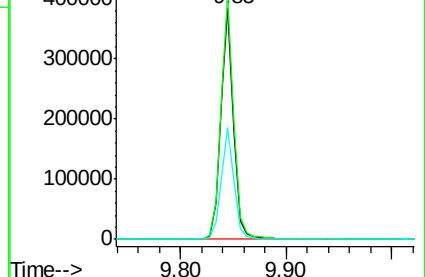
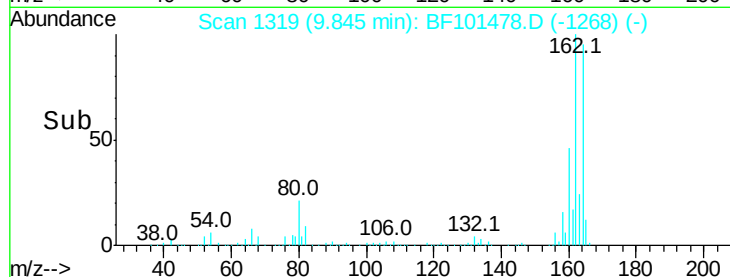


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

9.85



#41

2,4,6-Tribromophenol

Concen: 107.267 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF101478.D

Acq: 18 Dec 2017 14:09

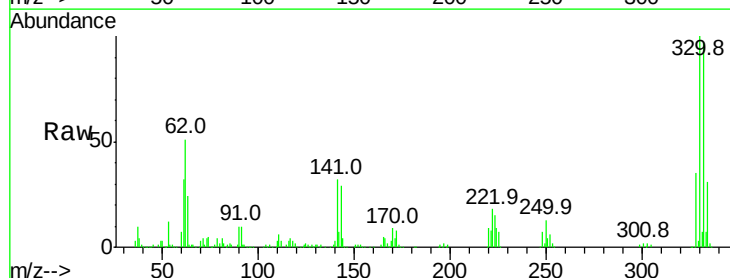
Tgt Ion:330 Resp: 342809

Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

141 30.4 29.9 44.9

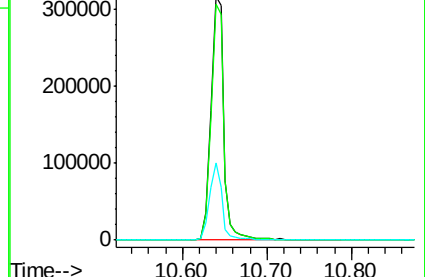
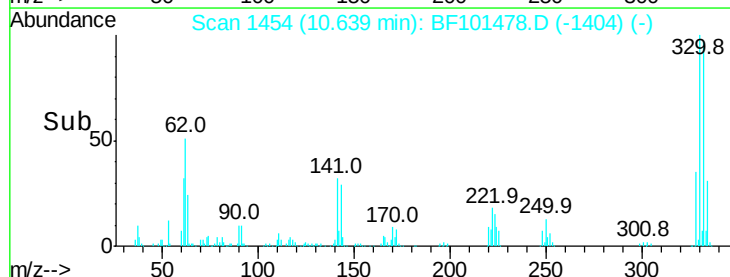


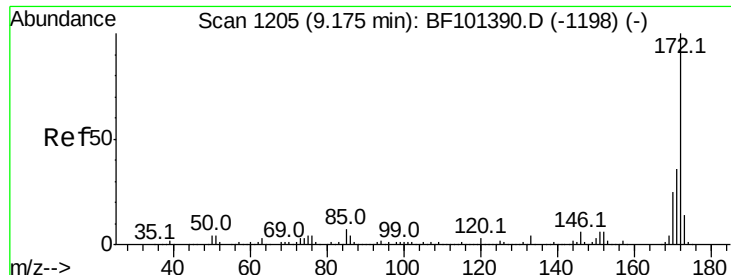
Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

10.64



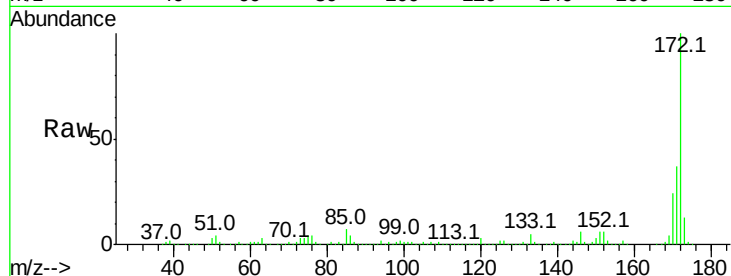


#44
 2-Fluorobiphenyl
 Concen: 73.142 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF101478.D
 Acq: 18 Dec 2017 14:09

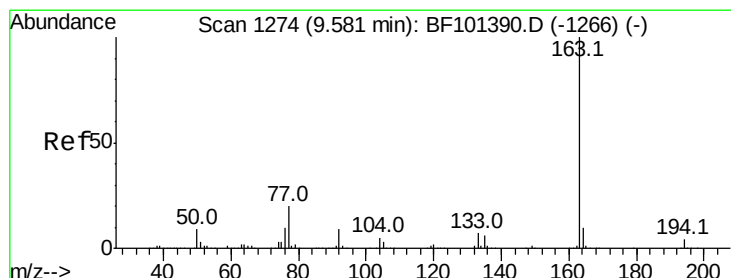
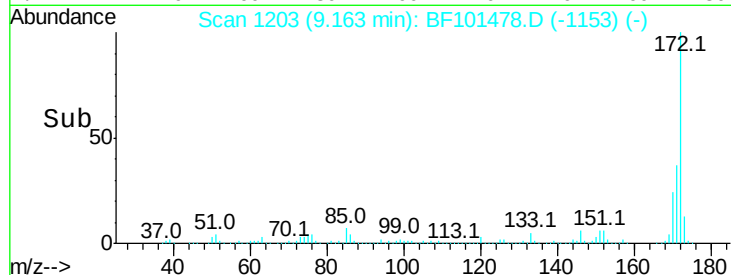
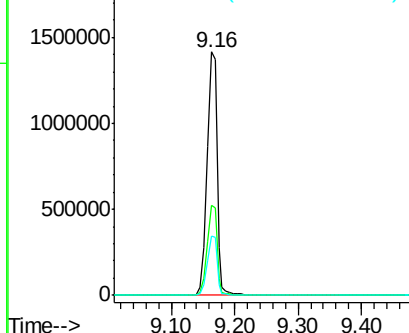
Instrument :
 BNA_F
 ClientSampleId :
 WC-003

Tot Ion:172 Resp: 1563822

Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.7	44.5
170	24.5	19.6	29.4



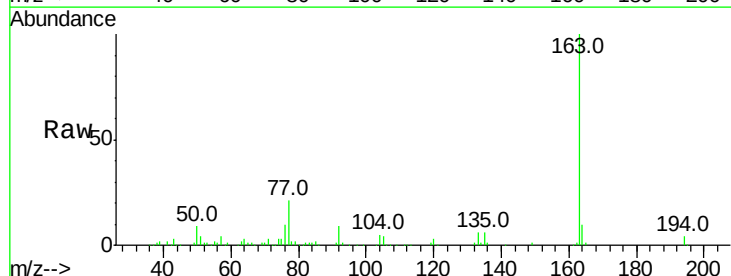
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



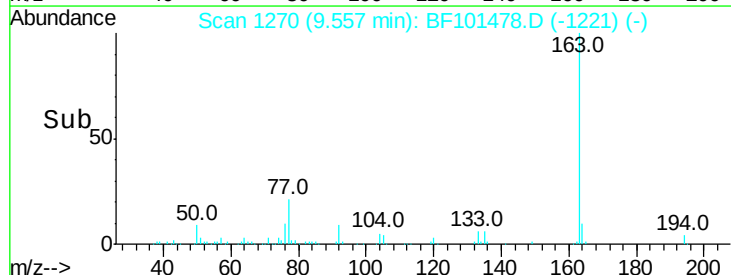
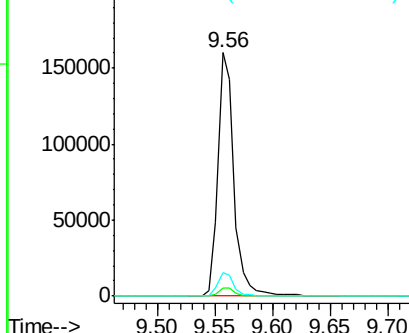
#49
 Dimethylphthalate
 Concen: 5.797 ng
 RT: 9.56 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: BF101478.D
 Acq: 18 Dec 2017 14:09

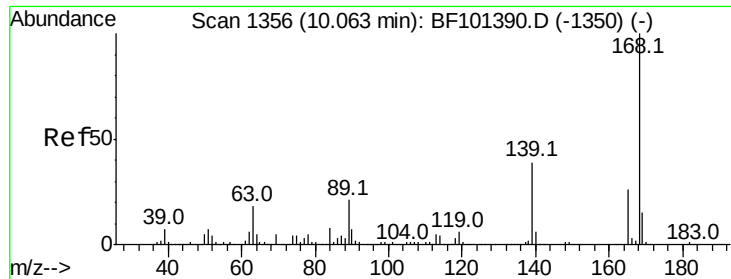
Tgt Ion:163 Resp: 154661

Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	9.8	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





#56

2,4-Dinitrotoluene

Concen: 6.940 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.21 min

Lab File: BF101478.D

Acq: 18 Dec 2017 14:09

Instrument :

BNA_F

ClientSampleId :

WC-003

Tot Ion:165 Resp: 42396

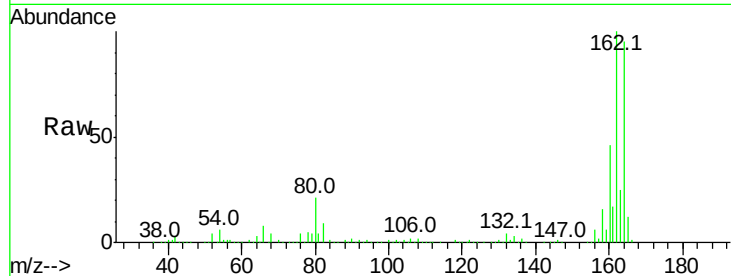
Ion Ratio Lower Upper

165 100

63 0.9 36.4 54.6#

89 1.3 57.8 86.6#

182 0.0 1.6 2.4#

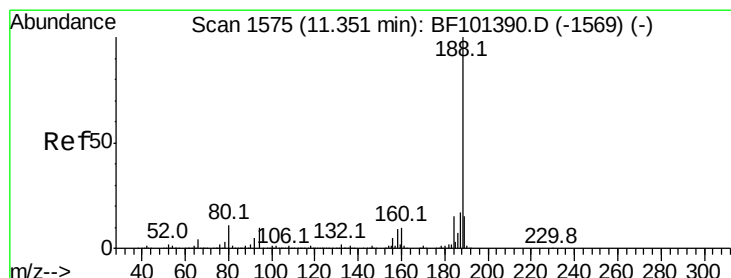
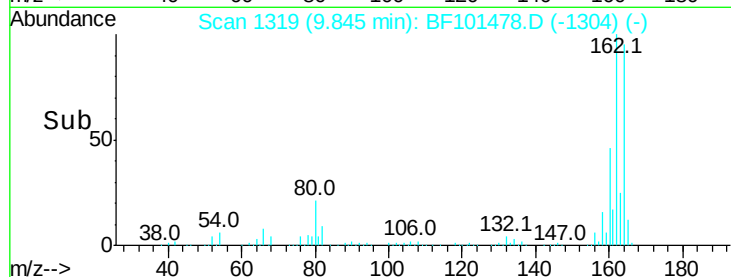
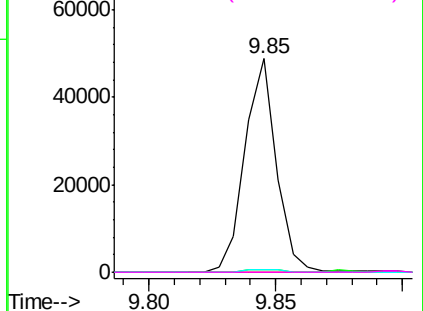


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF101478.D

Acq: 18 Dec 2017 14:09

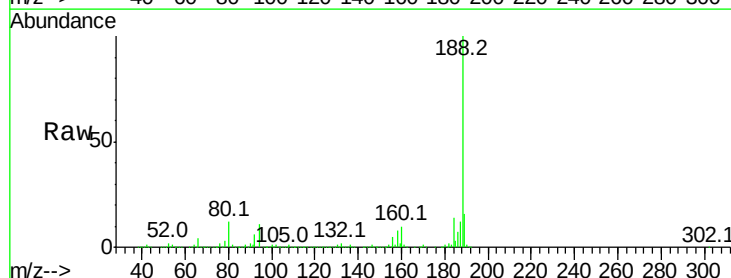
Tgt Ion:188 Resp: 582374

Ion Ratio Lower Upper

188 100

94 11.0 8.5 12.7

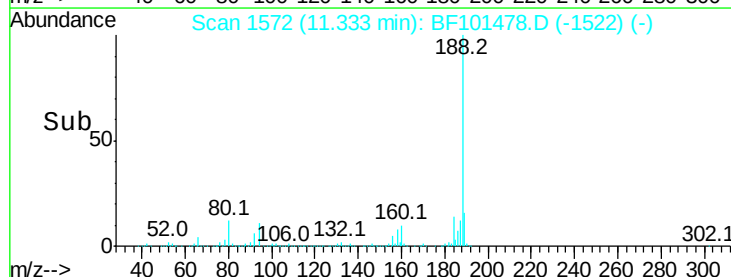
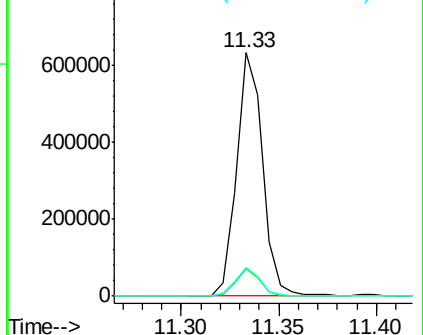
80 11.5 9.2 13.8

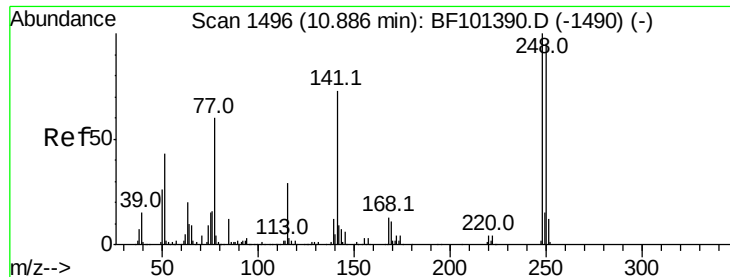


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

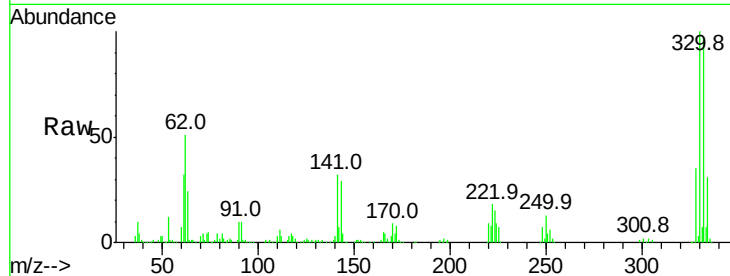




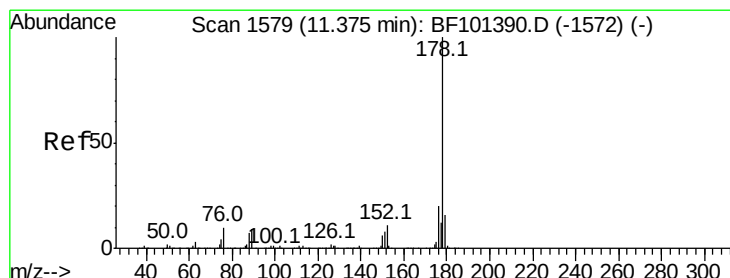
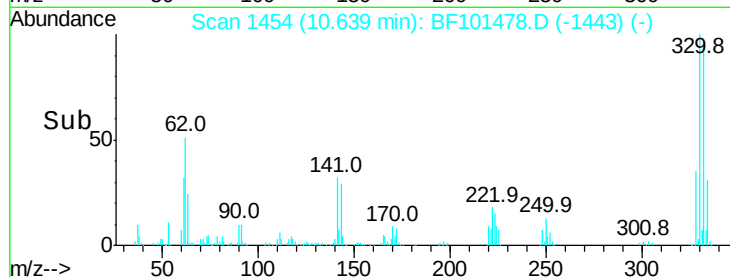
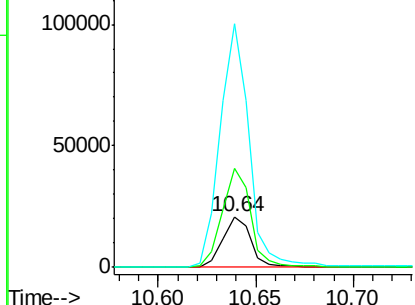
#66
 4-Bromophenyl-phenylether
 Concen: 3.244 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF101478.D
 Acq: 18 Dec 2017 14:09

Instrument :
 BNA_F
 ClientSampled :
 WC-003

Tot Ion:248 Resp: 21230
 Ion Ratio Lower Upper
 248 100
 250 196.4 76.9 115.3#
 141 480.7 74.4 111.6#

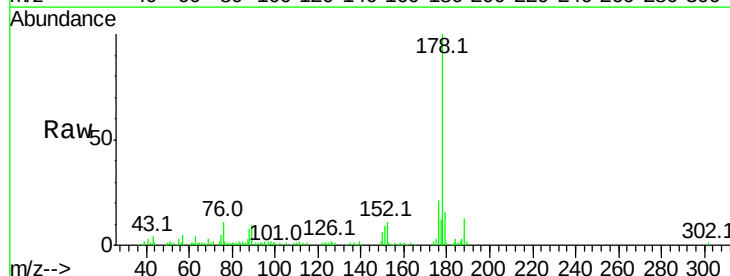


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

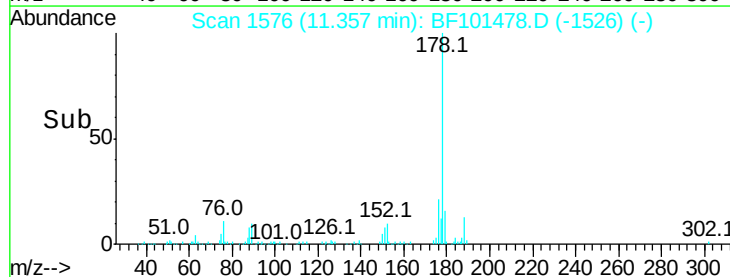
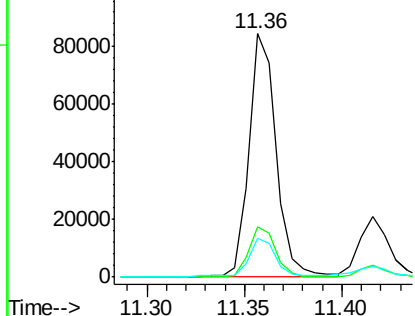


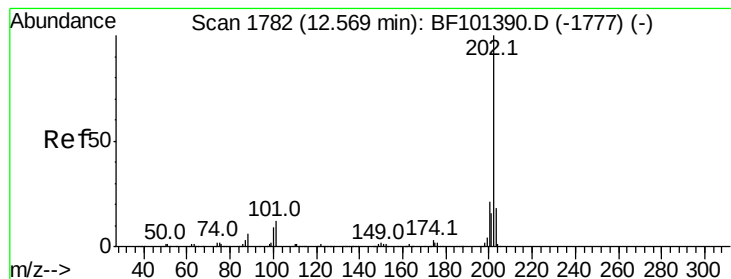
#70
 Phenanthrene
 Concen: 2.527 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF101478.D
 Acq: 18 Dec 2017 14:09

Tgt Ion:178 Resp: 81839
 Ion Ratio Lower Upper
 178 100
 176 20.7 15.8 23.8
 179 15.8 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: 4.970 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.01 min

Lab File: BF101478.D

Acq: 18 Dec 2017 14:09

Instrument :

BNA_F

ClientSampleId :

WC-003

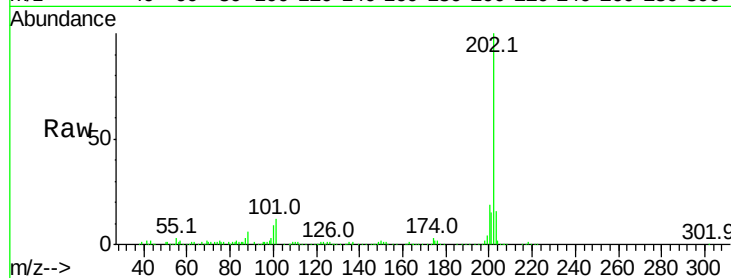
Tot Ion:202 Resp: 168943

Ion Ratio Lower Upper

202 100

101 12.4 0.0 34.1

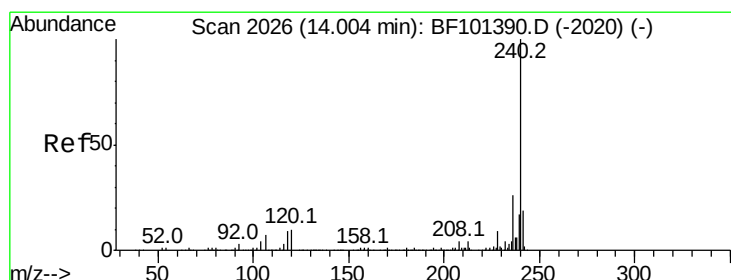
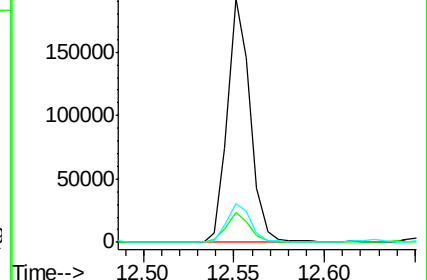
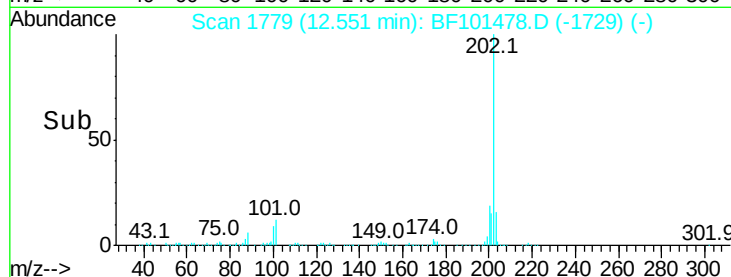
203 15.9 0.0 38.1



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: 13.99 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BF101478.D

Acq: 18 Dec 2017 14:09

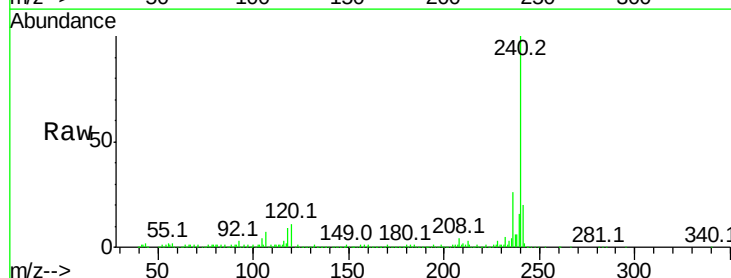
Tgt Ion:240 Resp: 359476

Ion Ratio Lower Upper

240 100

120 10.7 9.5 14.3

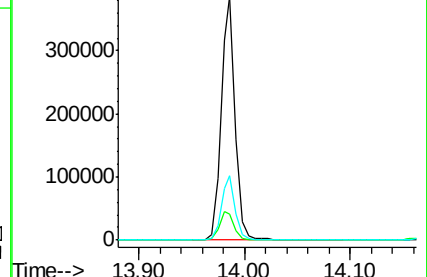
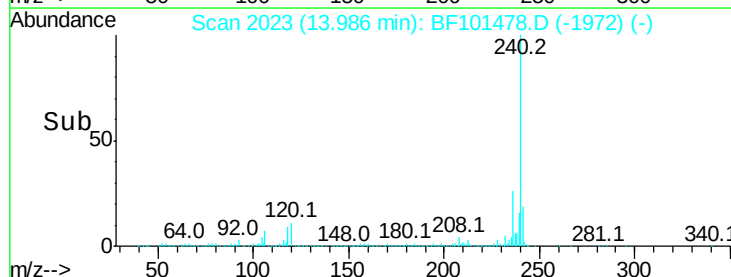
236 26.3 20.7 31.1

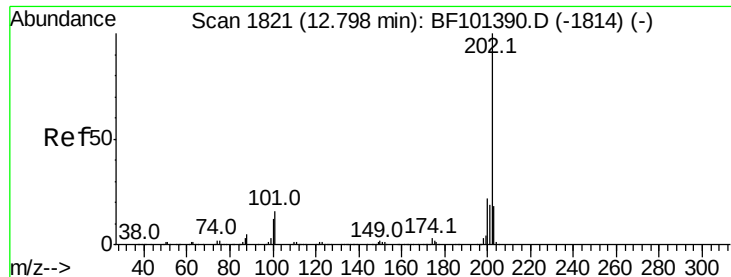


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

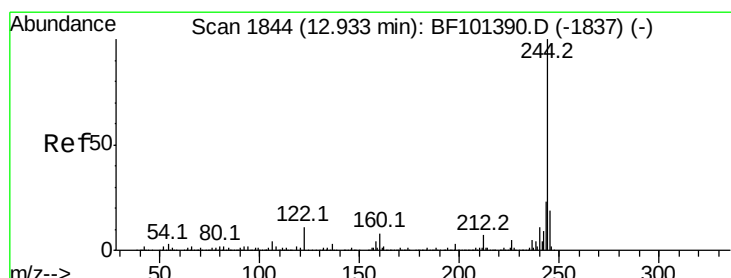
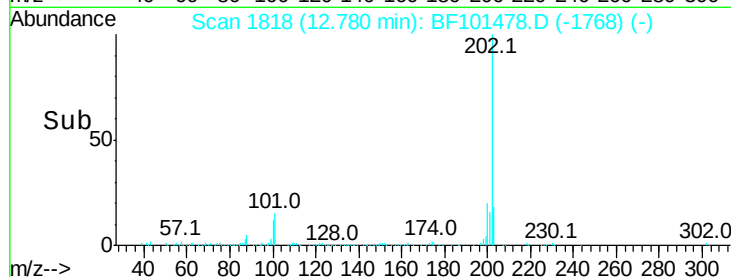
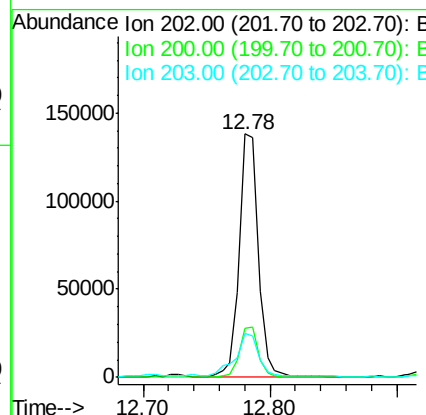
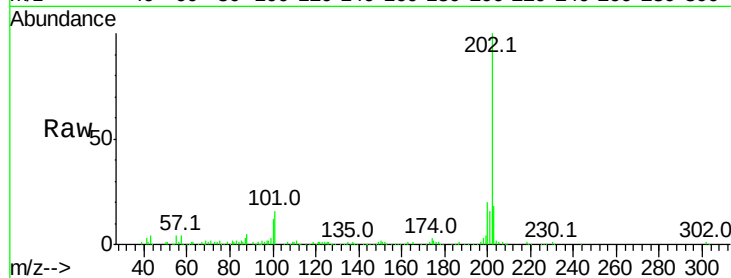




#77
Pvrene
Concen: 5.335 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BF101478.D
Acq: 18 Dec 2017 14:09

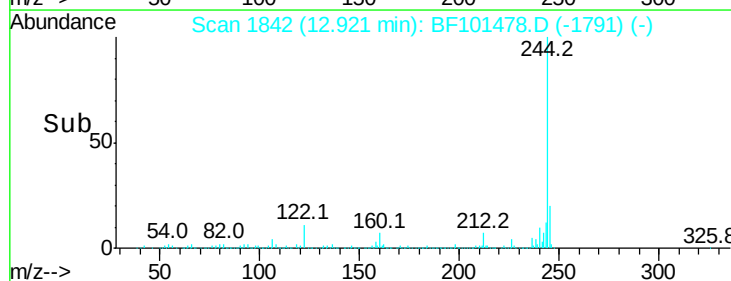
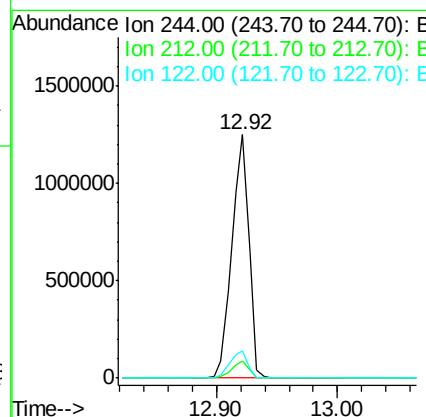
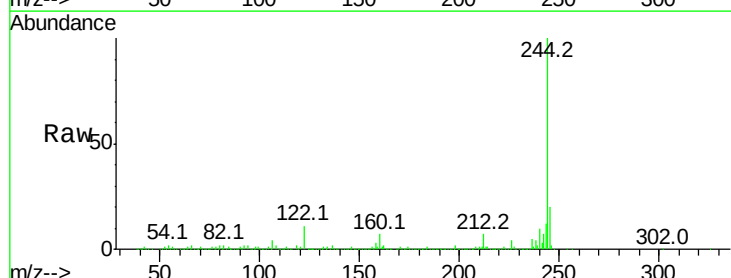
Instrument :
BNA_F
ClientSampleId :
WC-003

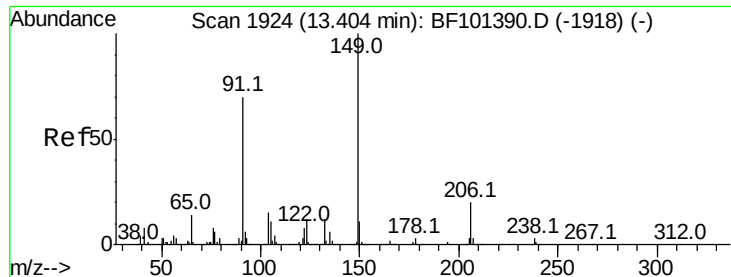
Tot Ion:202 Resp: 143934
Ion Ratio Lower Upper
202 100
200 19.9 17.4 26.2
203 18.1 14.3 21.5



#78
Terphenyl-d14
Concen: 81.858 ng
RT: 12.92 min Scan# 1842
Delta R.T. 0.00 min
Lab File: BF101478.D
Acq: 18 Dec 2017 14:09

Tgt Ion:244 Resp: 1220612
Ion Ratio Lower Upper
244 100
212 6.9 5.4 8.0
122 11.0 11.0 16.4

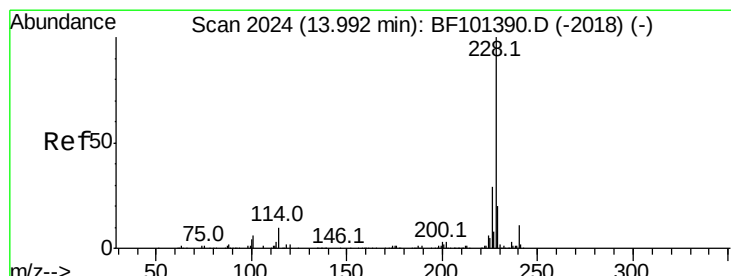
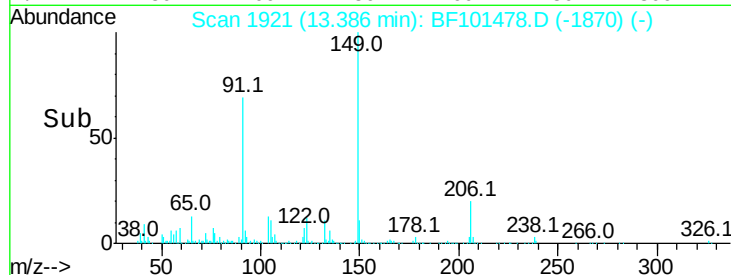
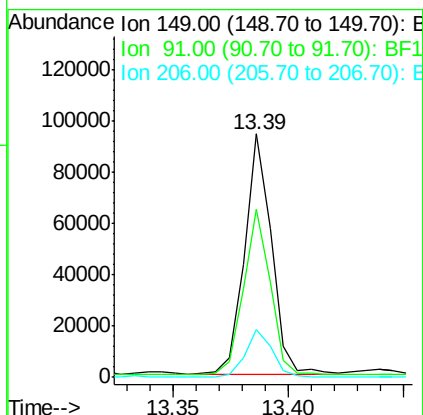
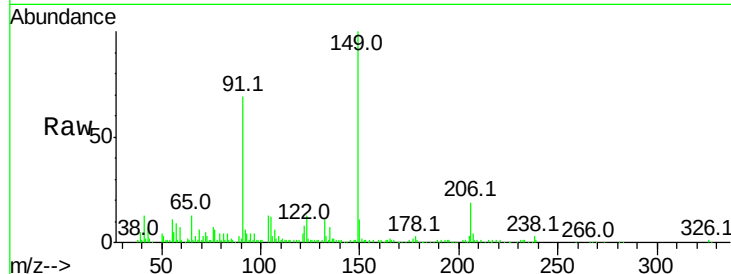




#79
Butylbenzylphthalate
Concen: 6.320 ng
RT: 13.39 min Scan# 1921
Delta R.T. 0.00 min
Lab File: BF101478.D
Acq: 18 Dec 2017 14:09

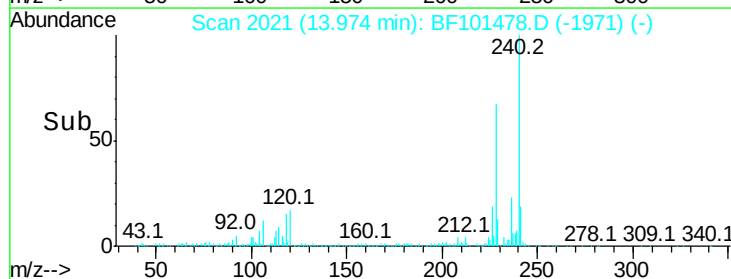
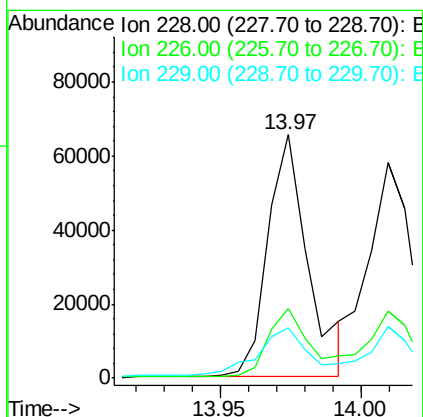
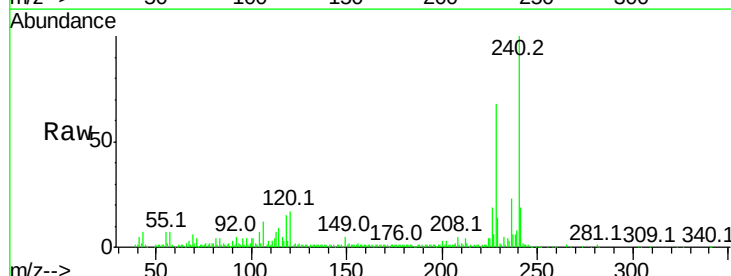
Instrument :
BNA_F
ClientSampleId :
WC-003

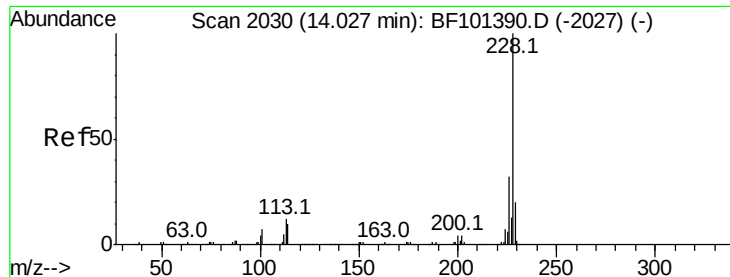
Tot Ion:149 Resp: 77148
Ion Ratio Lower Upper
149 100
91 68.9 56.8 85.2
206 19.5 14.1 21.1



#80
Benzo(a)anthracene
Concen: 2.741 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF101478.D
Acq: 18 Dec 2017 14:09

Tgt Ion:228 Resp: 65066
Ion Ratio Lower Upper
228 100
226 28.4 22.6 33.8
229 20.8 15.8 23.6





#82

Chrysene

Concen: 2.742 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF101478.D

Acq: 18 Dec 2017 14:09

Instrument :

BNA_F

ClientSampleId :

WC-003

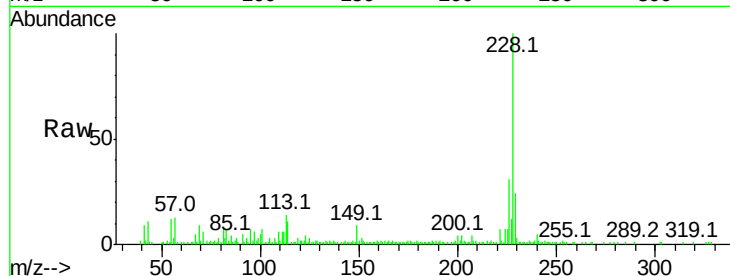
Tot Ion:228 Resp: 61463

Ion Ratio Lower Upper

228 100

226 30.9 25.0 37.6

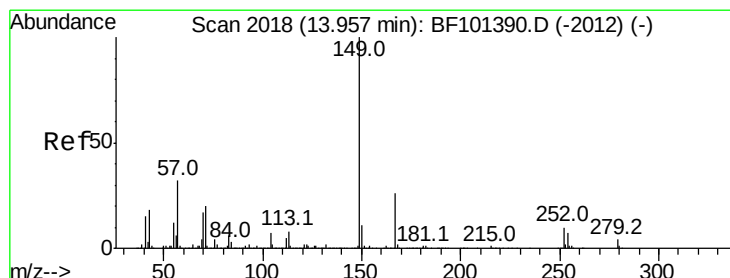
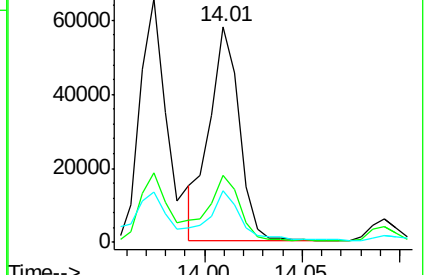
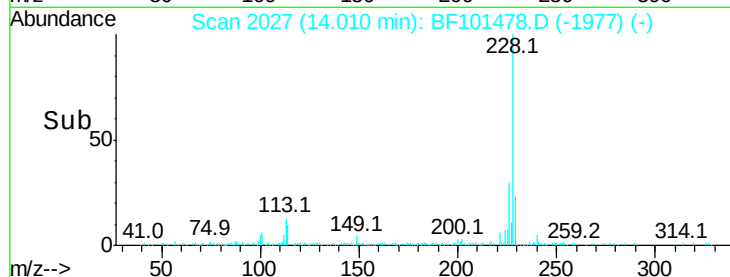
229 23.9 16.2 24.4



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: 2.118 ng

RT: 13.94 min Scan# 2015

Delta R.T. 0.00 min

Lab File: BF101478.D

Acq: 18 Dec 2017 14:09

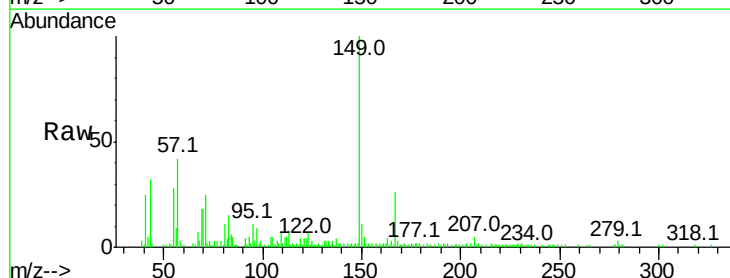
Tgt Ion:149 Resp: 32748

Ion Ratio Lower Upper

149 100

167 25.8 21.3 31.9

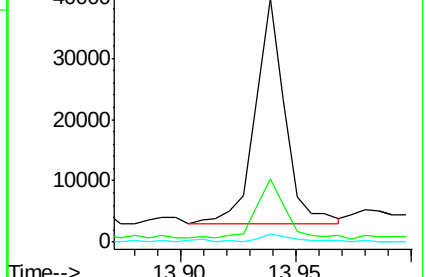
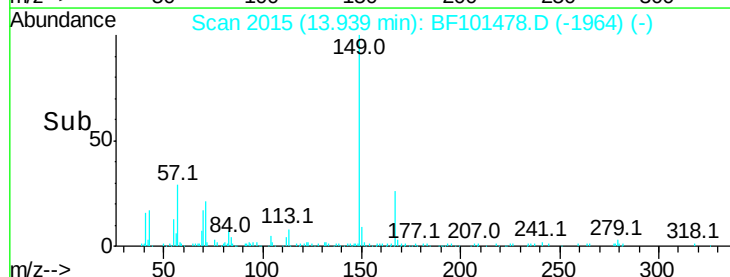
279 3.1 3.0 4.4

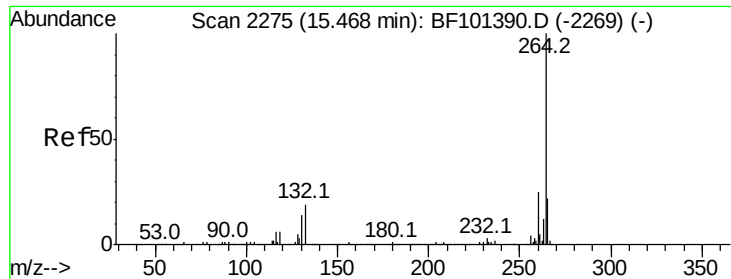


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



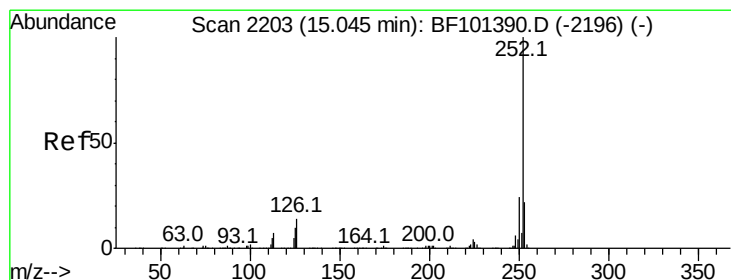
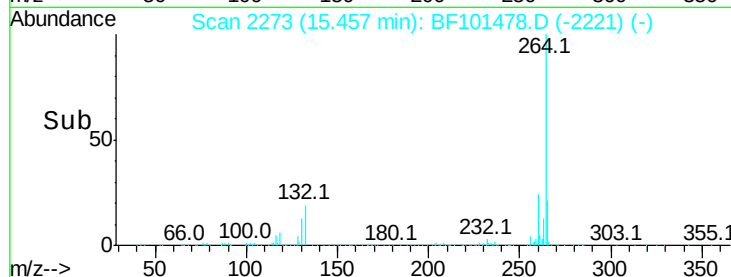
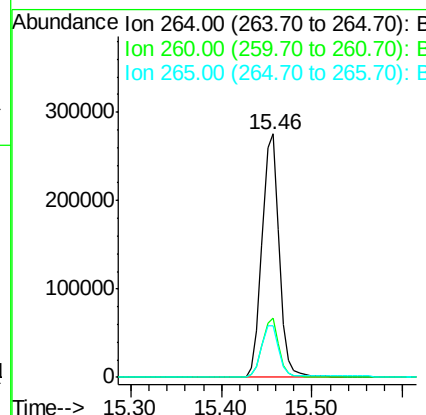
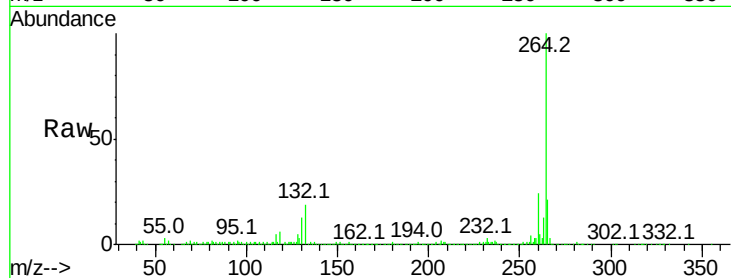


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF101478.D
Acq: 18 Dec 2017 14:09

Instrument :
BNA_F
ClientSampleId :
WC-003

Tot Ion:264 Resp: 361270

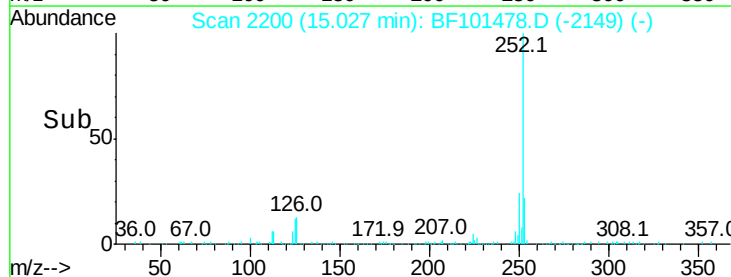
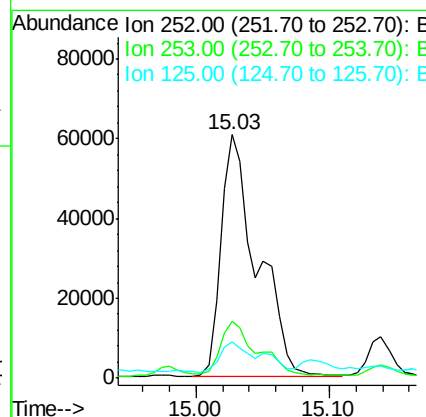
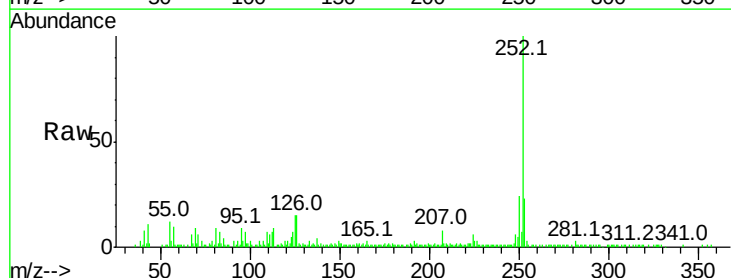
Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	21.1	17.5	26.3

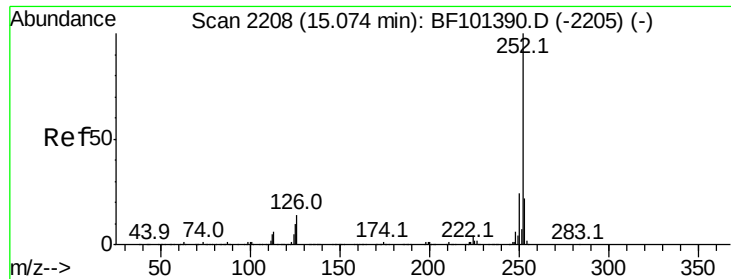


#87
Benzo(b)fluoranthene
Concen: 5.197 ng
RT: 15.03 min Scan# 2200
Delta R.T. 0.00 min
Lab File: BF101478.D
Acq: 18 Dec 2017 14:09

Tgt Ion:252 Resp: 114434

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	15.0	9.0	13.6

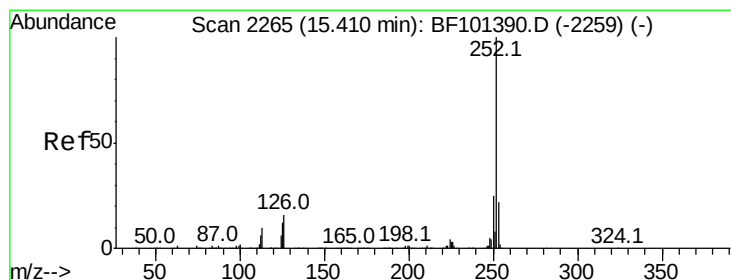
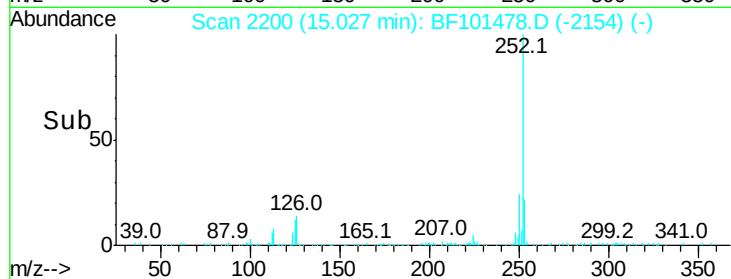
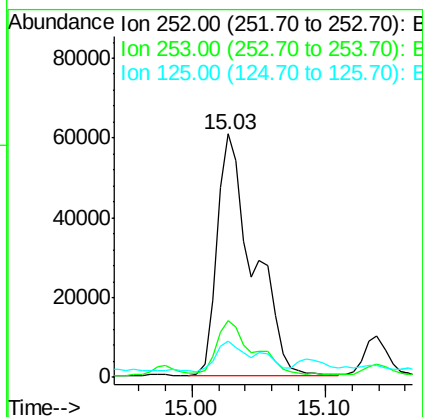
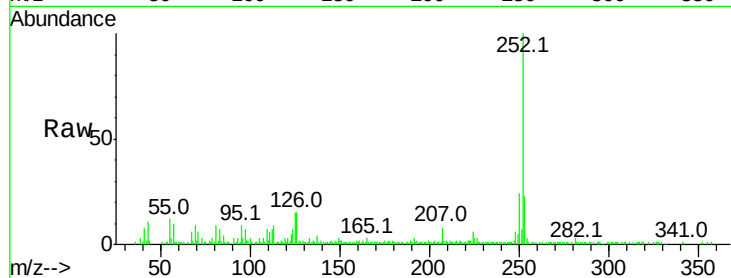




#88
Benzo(k)fluoranthene
Concen: 5.345 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.03 min
Lab File: BF101478.D
Acq: 18 Dec 2017 14:09

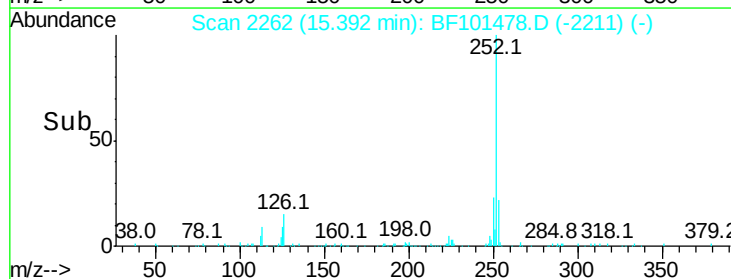
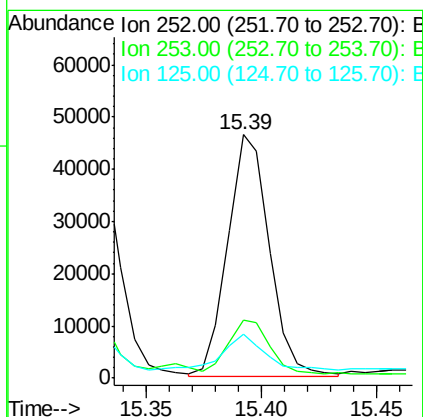
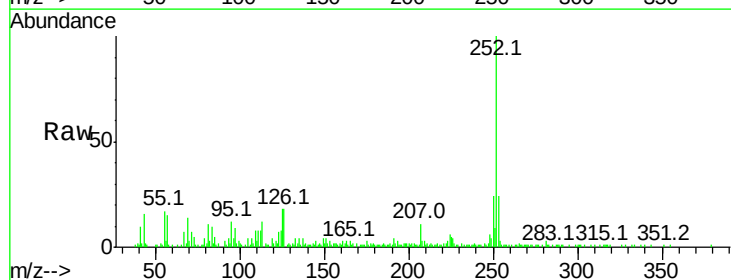
Instrument :
BNA_F
ClientSampleId :
WC-003

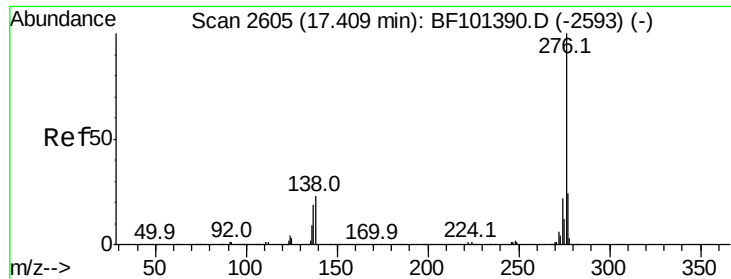
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	15.0	10.2	15.2



#89
Benzo(a)pyrene
Concen: 2.861 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.00 min
Lab File: BF101478.D
Acq: 18 Dec 2017 14:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	18.1	9.8	14.6#





#91

Benzo(a,h,i)perylene

Concen: 2.237 ng

RT: 17.39 min Scan# 2602

Delta R.T. 0.01 min

Lab File: BF101478.D

Acq: 18 Dec 2017 14:09

Instrument :

BNA_F

ClientSampleId :

WC-003

Tot Ion:276 Resp: 38610

Ion Ratio Lower Upper

276 100

277 24.1 17.9 26.9

138 21.7 21.8 32.8#

