

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030718\
 Data File : BF103504.D
 Acq On : 7 Mar 2018 16:41
 Operator : SJ/JU
 Sample : J1741-02DL 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 07 17:19:40 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 07 11:40:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	143829	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	620389	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	260648	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	383658	20.00	ng	0.00
75) Chrysene-d12	14.06	240	229306	20.00	ng	0.00
86) Perylene-d12	15.56	264	207398	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	103201	10.85	ng	0.02
7) Phenol-d6	6.52	99	169134	14.53	ng	0.01
23) Nitrobenzene-d5	7.45	82	107490	9.89	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	17365	7.87	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	149670	5.84	ng	0.00
78) Terphenyl-d14	12.98	244	84677	8.88	ng	0.00

Target Compounds

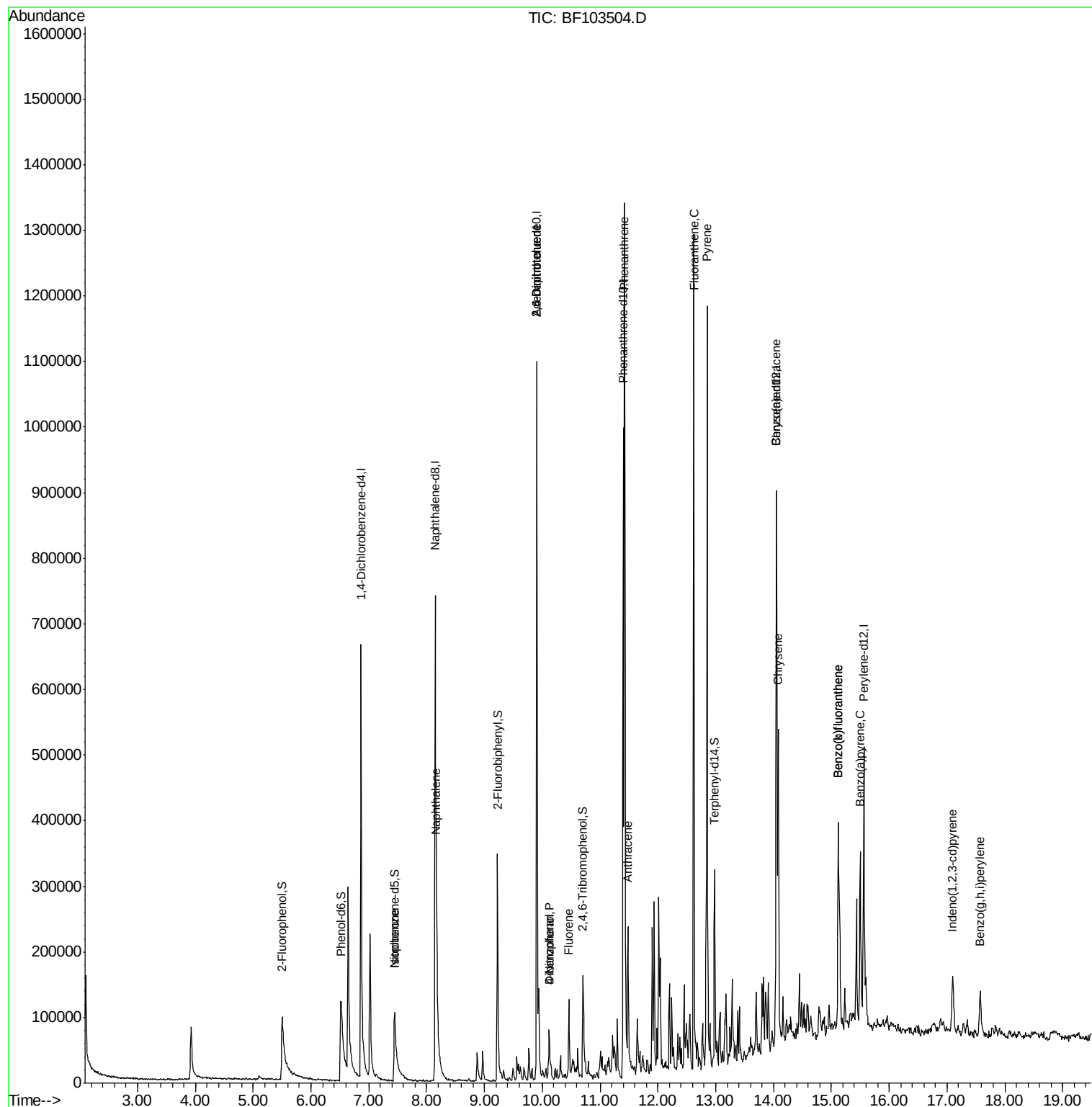
						Qvalue
9) Benzaldehyde	6.64	77	3535	Below Cal	#	68
25) Isophorone	7.45	82	107490	5.024 ng	#	64
31) Naphthalene	8.17	128	89648	2.952 ng		98
50) 2,6-Dinitrotoluene	9.90	165	34236	7.802 ng	#	26
54) Dibenzofuran	10.12	168	43481	2.043 ng		98
55) 4-Nitrophenol	10.12	139	17691	5.127 ng	#	11
56) 2,4-Dinitrotoluene	9.90	165	34390	6.197 ng	#	24
57) Fluorene	10.46	166	48646	2.683 ng		95
70) Phenanthrene	11.43	178	568252	26.914 ng		98
71) Anthracene	11.48	178	115357	5.328 ng		98
74) Fluoranthene	12.62	202	511018	24.085 ng		99
77) Pyrene	12.85	202	498560	27.887 ng		99
80) Benzo(a)anthracene	14.04	228	192828	12.960 ng		98
82) Chrysene	14.08	228	179648	12.436 ng		100
85) Indeno(1,2,3-cd)pyrene	17.10	276	60065	5.252 ng		99
87) Benzo(b)fluoranthene	15.12	252	238190	17.467 ng	#	94
88) Benzo(k)fluoranthene	15.12	252	238190	18.550 ng		96
89) Benzo(a)pyrene	15.50	252	135816	11.153 ng	#	95
91) Benzo(a,h,i)perylene	17.57	276	59208	6.438 ng		95

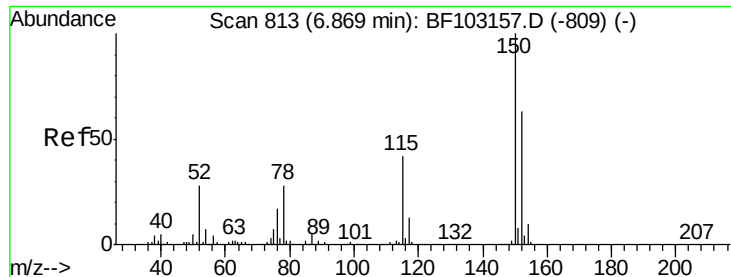
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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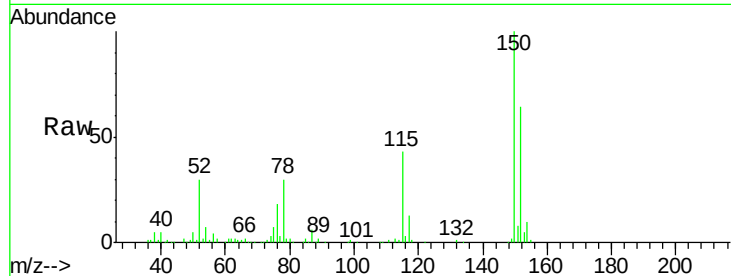


#1

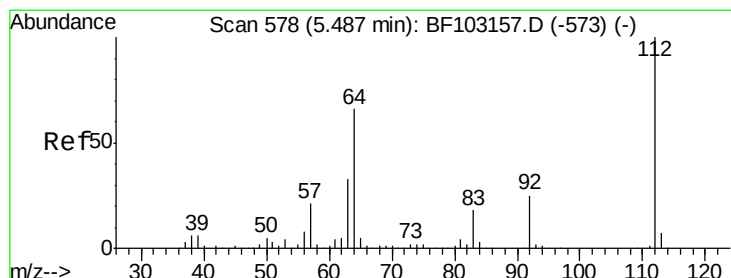
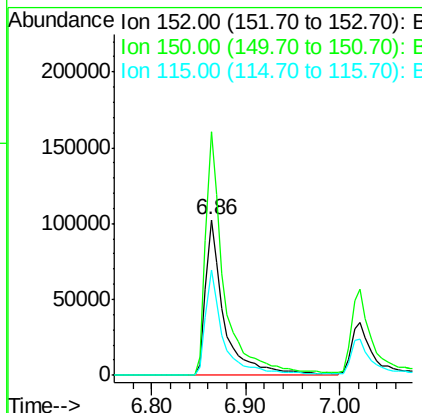
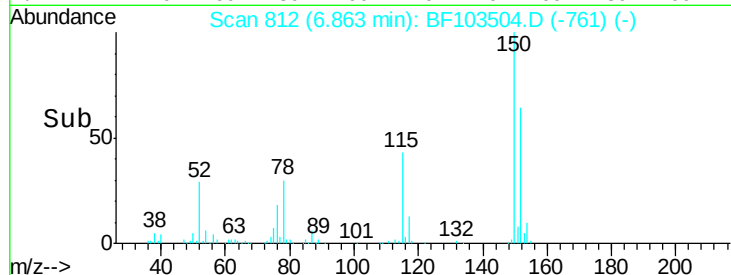
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF103504.D
Acq: 7 Mar 2018 16:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 143829
Ion Ratio Lower Upper
152 100
150 156.4 124.6 186.8
115 67.5 50.1 75.1



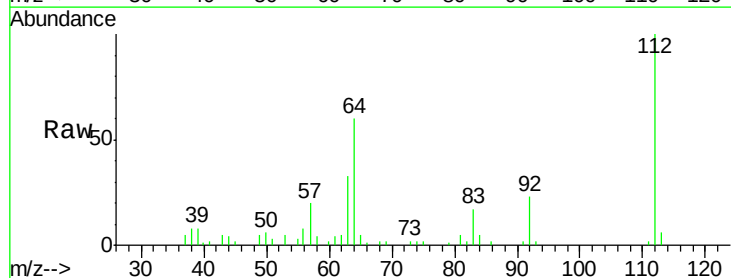
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



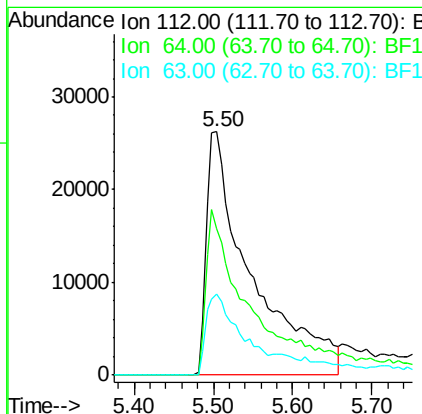
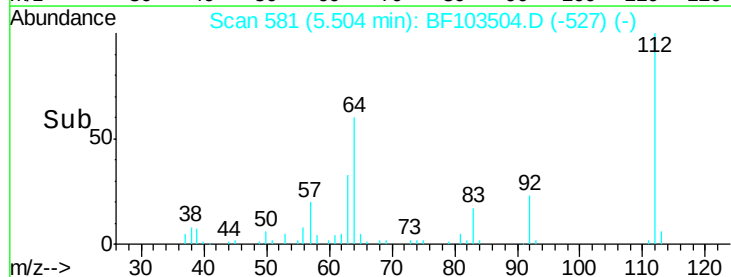
#5

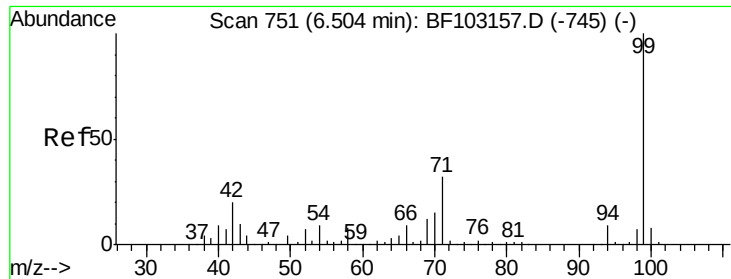
2-Fluorophenol
Concen: 10.852 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.02 min
Lab File: BF103504.D
Acq: 7 Mar 2018 16:41

Tgt Ion:112 Resp: 103201
Ion Ratio Lower Upper
112 100
64 60.3 47.9 71.9
63 33.2 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 14.535 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103504.D

Acq: 7 Mar 2018 16:41

Instrument :

BNA_F

ClientSampled :

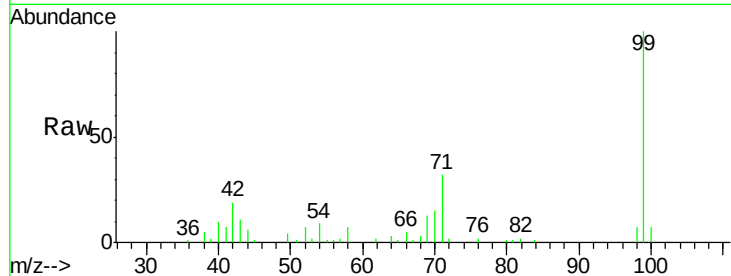
Tot Ion: 99 Resp: 169134

Ion Ratio Lower Upper

99 100

42 19.4 14.5 21.7

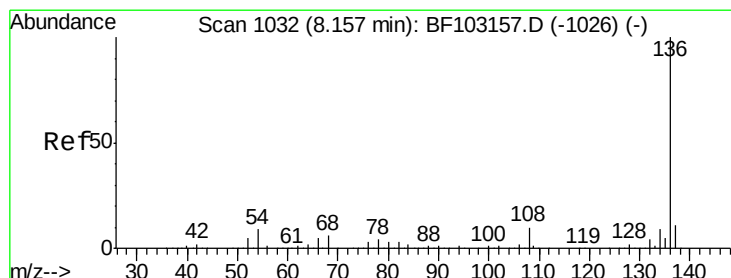
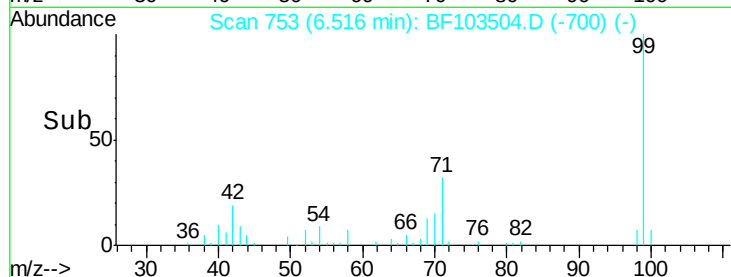
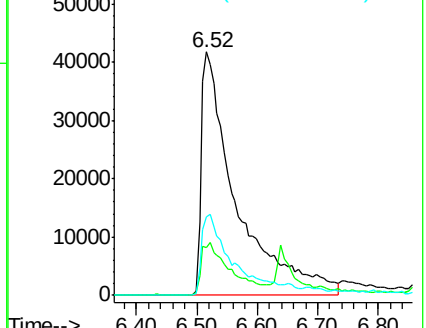
71 32.1 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1031

Delta R.T. 0.00 min

Lab File: BF103504.D

Acq: 7 Mar 2018 16:41

Tgt Ion: 136 Resp: 620389

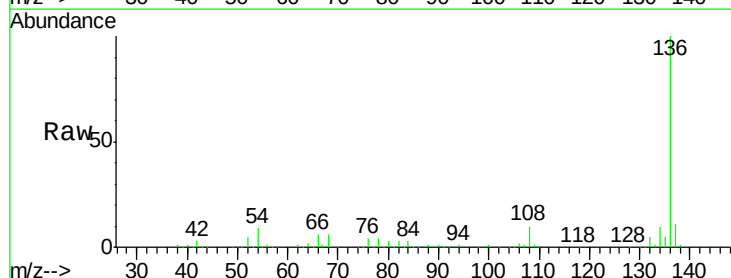
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 8.8 6.6 9.8

68 6.0 5.0 7.4

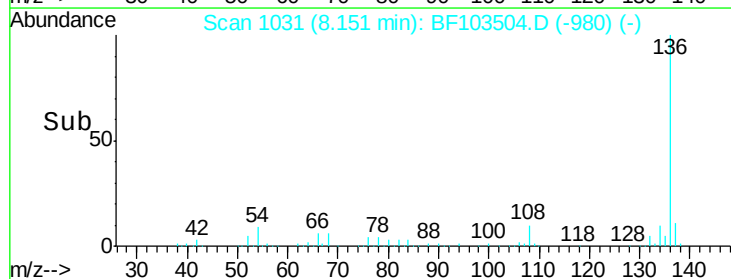
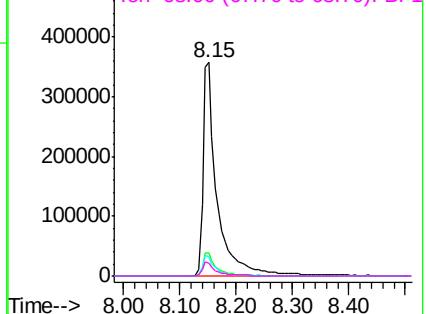


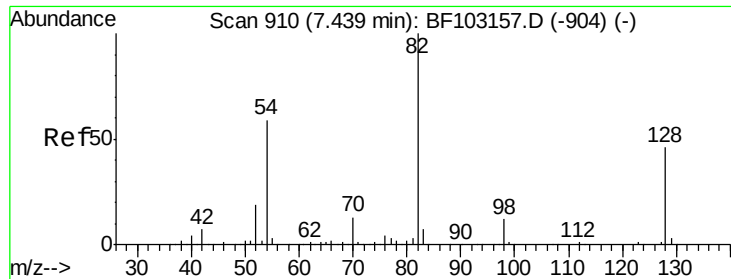
Abundance Ion 136.00 (135.70 to 136.70): E

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

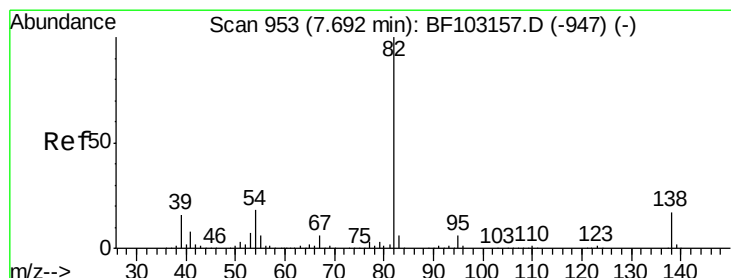
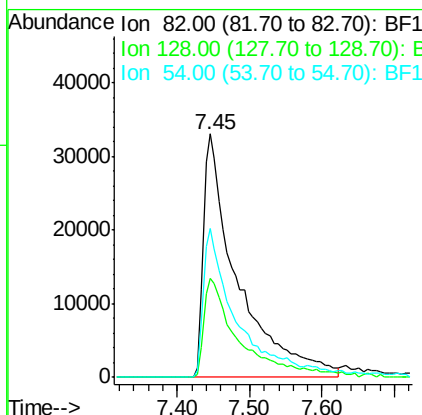
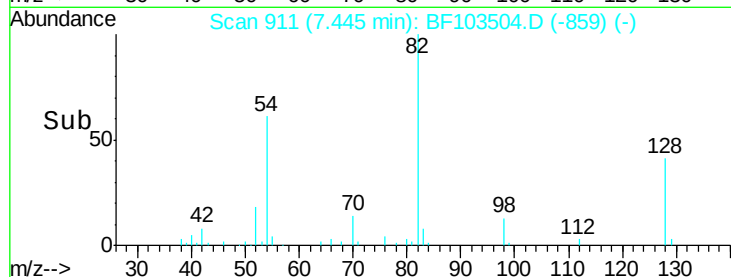
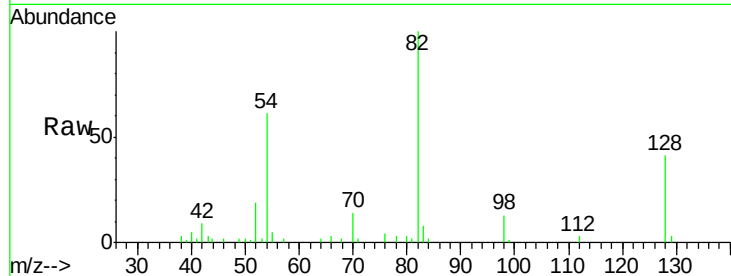




#23
Nitrobenzene-d5
Concen: 9.895 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.01 min
Lab File: BF103504.D
Acq: 7 Mar 2018 16:41

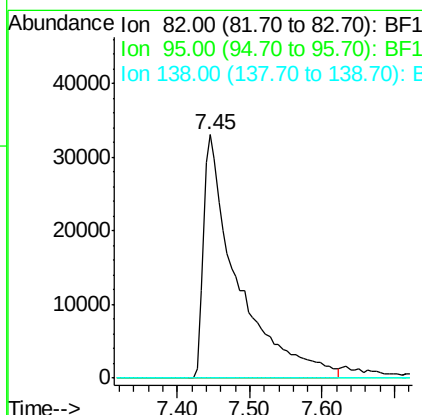
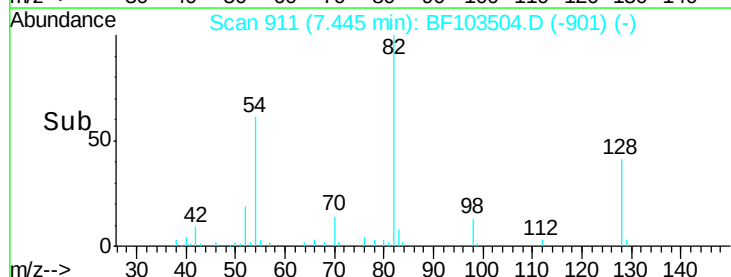
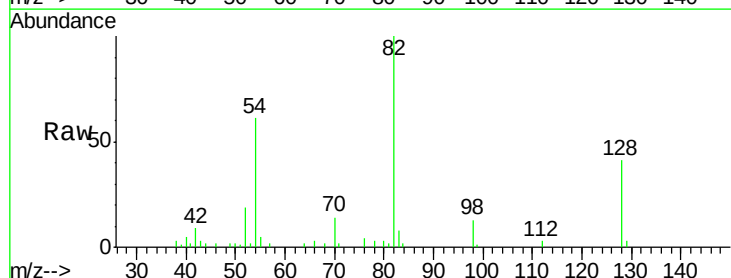
Instrument :
BNA_F
ClientSampled :

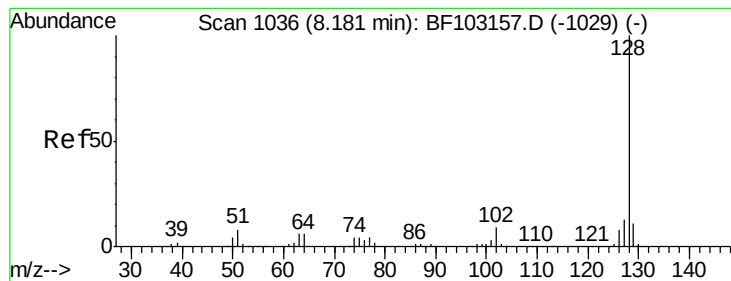
Tot Ion: 82 Resp: 107490
Ion Ratio Lower Upper
82 100
128 40.5 36.1 54.1
54 61.2 41.4 62.2



#25
Isophorone
Concen: 5.024 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.24 min
Lab File: BF103504.D
Acq: 7 Mar 2018 16:41

Tgt Ion: 82 Resp: 107490
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#





#31

Naphthalene

Concen: 2.952 ng

RT: 8.17 min Scan# 1035

Delta R.T. 0.00 min

Lab File: BF103504.D

Acq: 7 Mar 2018 16:41

Instrument :

BNA_F

ClientSampleId :

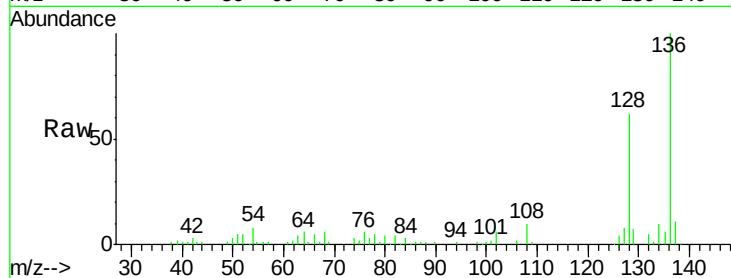
Tot Ion:128 Resp: 89648

Ion Ratio Lower Upper

128 100

129 10.5 8.8 13.2

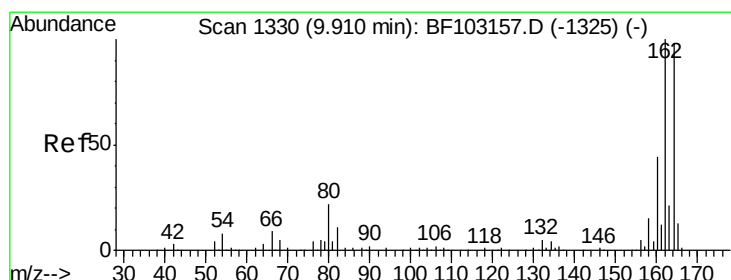
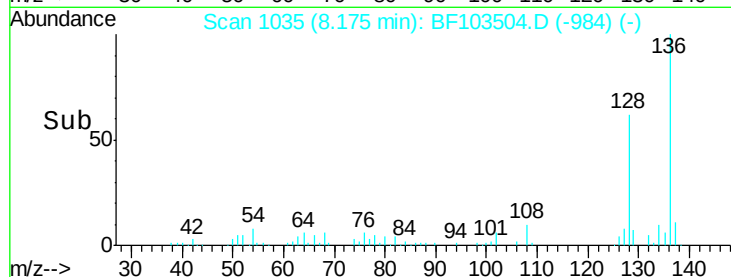
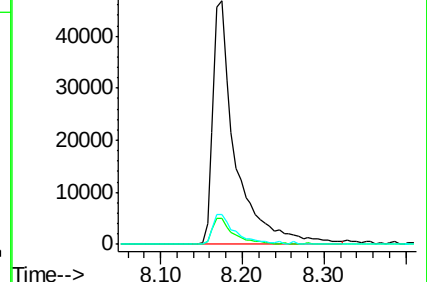
127 12.3 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BF103504.D

Acq: 7 Mar 2018 16:41

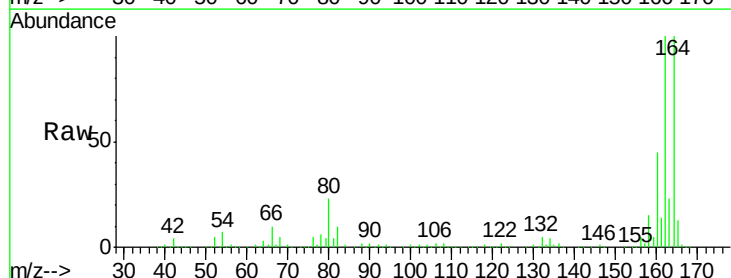
Tgt Ion:164 Resp: 260648

Ion Ratio Lower Upper

164 100

162 100.4 86.1 129.1

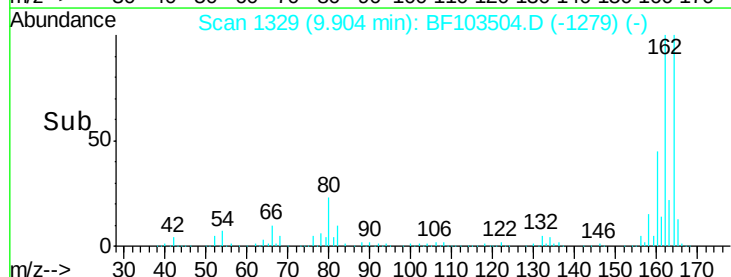
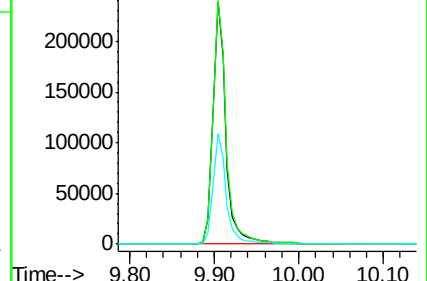
160 45.6 38.3 57.5

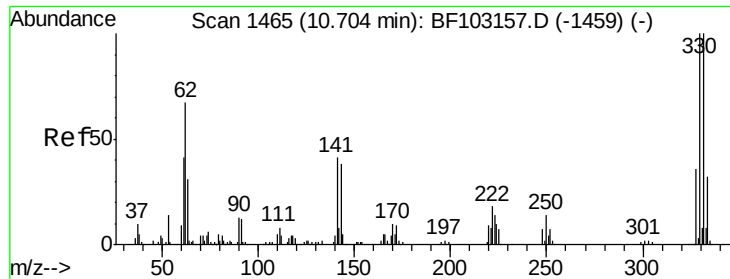


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 7.871 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.01 min

Lab File: BF103504.D

Acq: 7 Mar 2018 16:41

Instrument :

BNA_F

ClientSampleId :

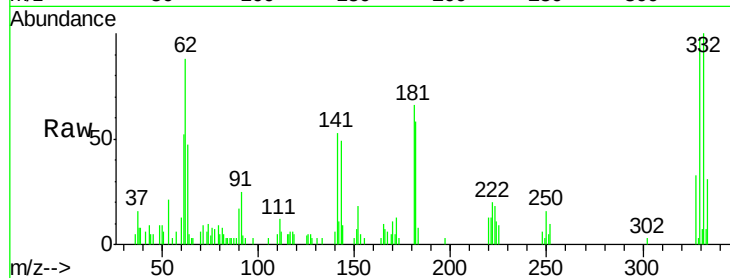
Tot Ion:330 Resp: 17365

Ion Ratio Lower Upper

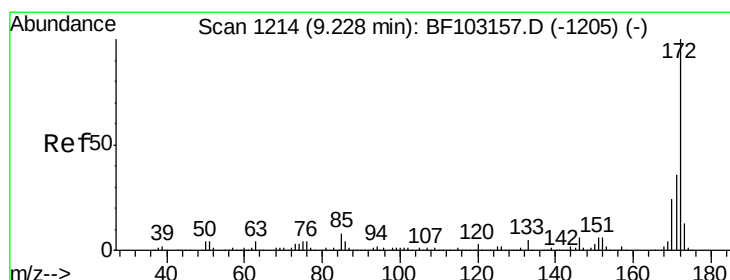
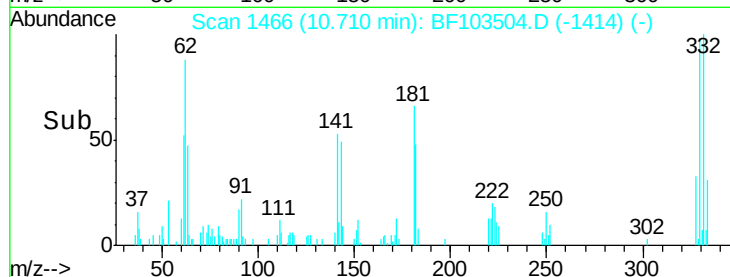
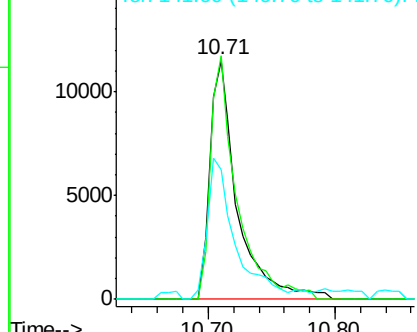
330 100

332 98.8 77.0 115.6

141 62.8 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: 5.839 ng

RT: 9.22 min Scan# 1213

Delta R.T. 0.00 min

Lab File: BF103504.D

Acq: 7 Mar 2018 16:41

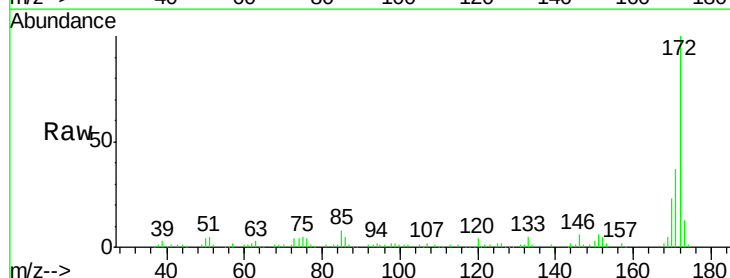
Tgt Ion:172 Resp: 149670

Ion Ratio Lower Upper

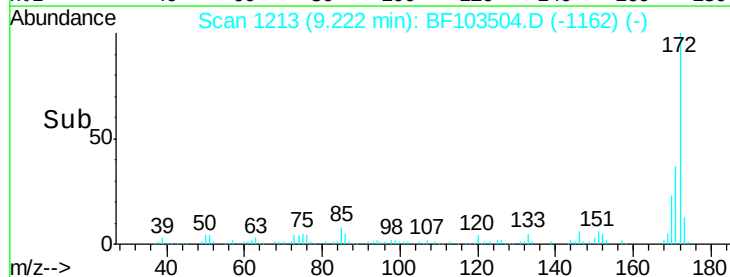
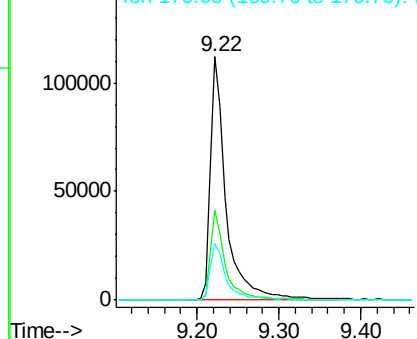
172 100

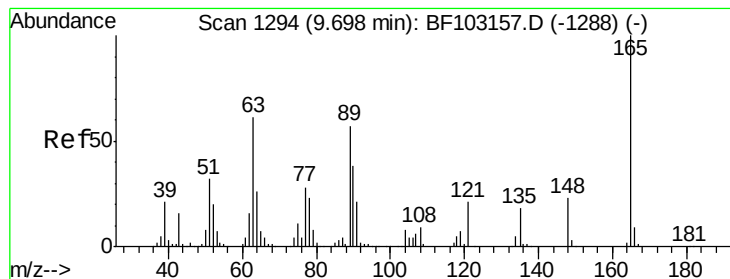
171 36.8 29.7 44.5

170 23.3 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





#50

2,6-Dinitrotoluene

Concen: 7.802 ng

RT: 9.90 min Scan# 1329

Delta R.T. 0.21 min

Lab File: BF103504.D

Acq: 7 Mar 2018 16:41

Instrument :

BNA_F

ClientSampleId :

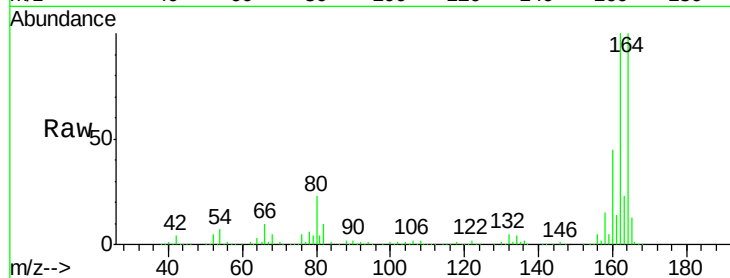
Tot Ion:165 Resp: 34236

Ion Ratio Lower Upper

165 100

63 2.1 44.7 67.1#

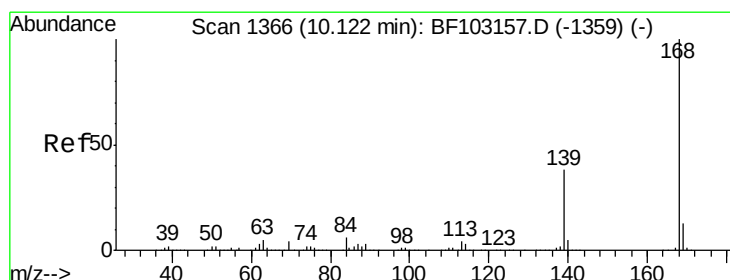
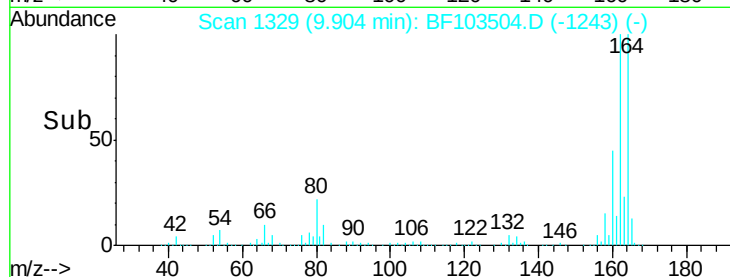
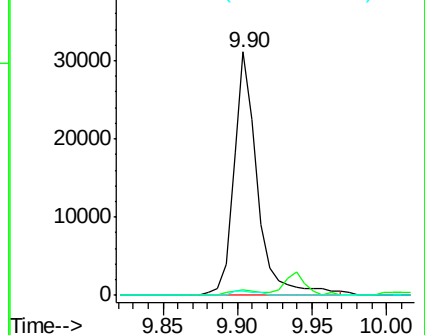
89 1.8 44.0 66.0#



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



#54

Dibenzofuran

Concen: 2.043 ng

RT: 10.12 min Scan# 1366

Delta R.T. 0.01 min

Lab File: BF103504.D

Acq: 7 Mar 2018 16:41

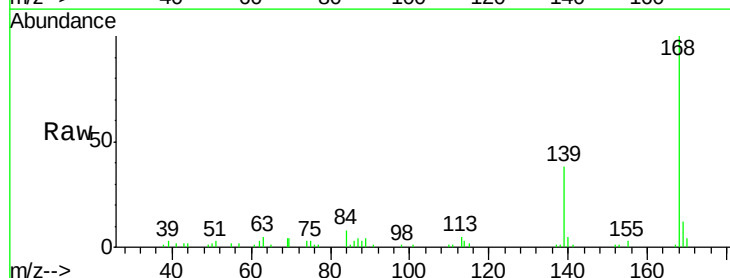
Tgt Ion:168 Resp: 43481

Ion Ratio Lower Upper

168 100

139 38.4 30.1 45.1

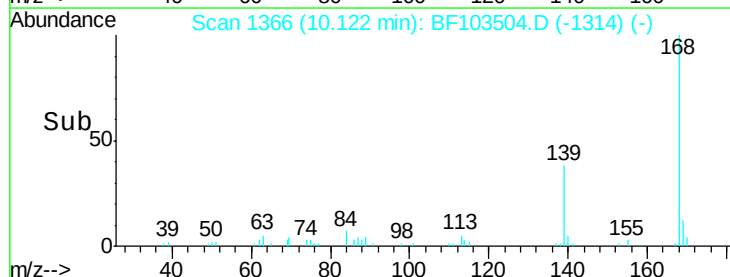
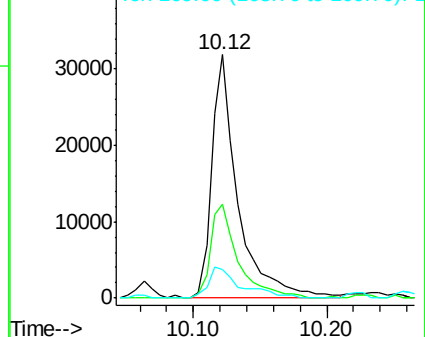
169 12.0 10.9 16.3

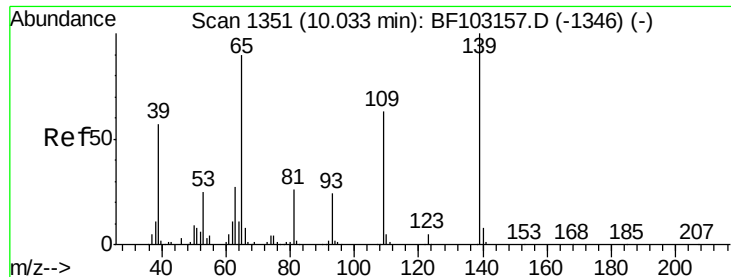


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

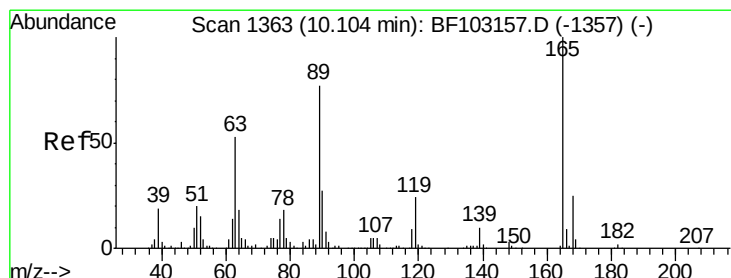
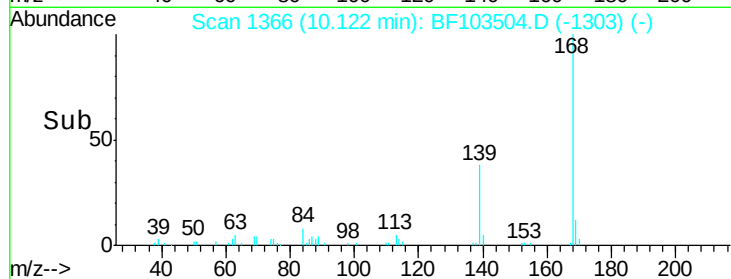
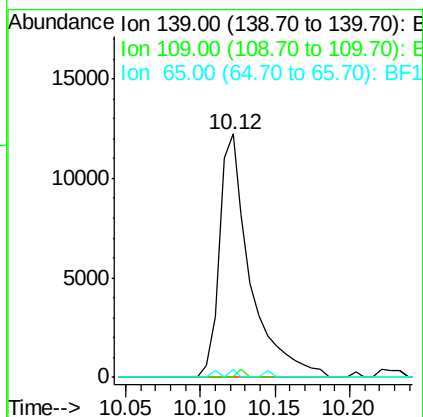
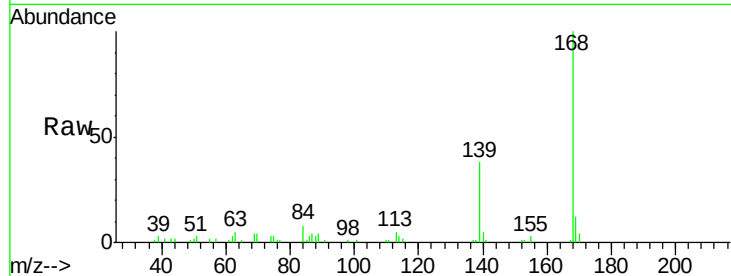




#55
4-Nitrophenol
Concen: 5.127 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.07 min
Lab File: BF103504.D
Acq: 7 Mar 2018 16:41

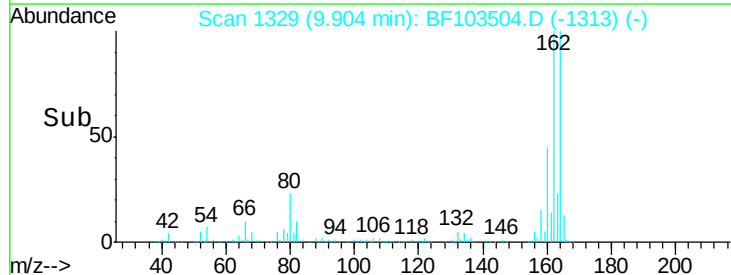
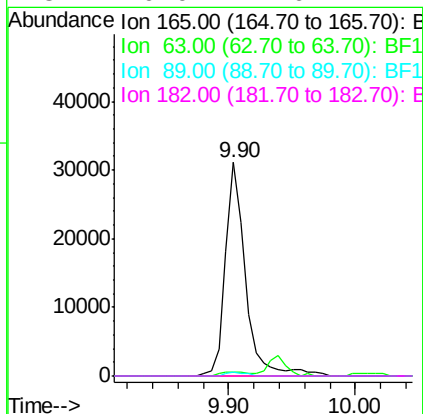
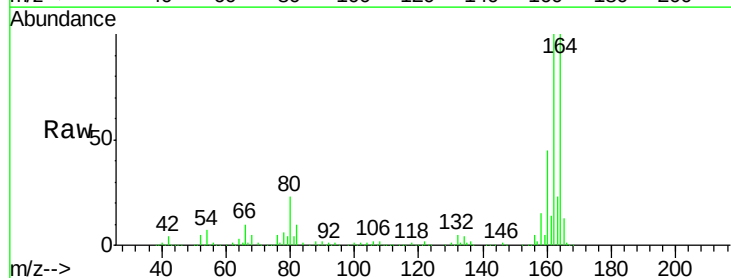
Instrument :
BNA_F
ClientSampleId :

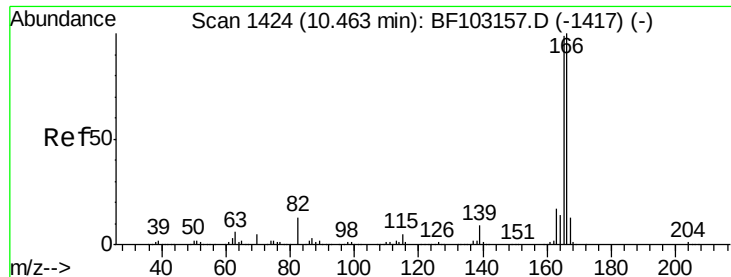
Tot Ion:139 Resp: 17691
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 3.5 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 6.197 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.21 min
Lab File: BF103504.D
Acq: 7 Mar 2018 16:41

Tgt Ion:165 Resp: 34390
Ion Ratio Lower Upper
165 100
63 2.1 36.4 54.6#
89 1.8 57.8 86.6#
182 0.0 1.6 2.4#

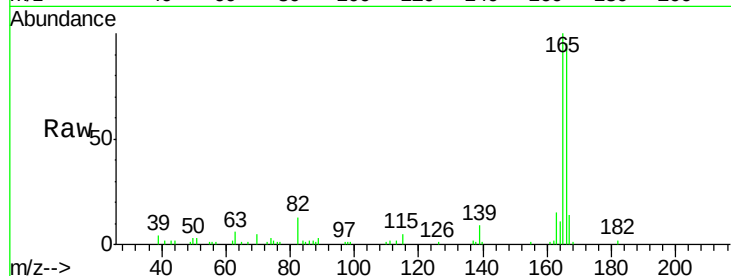




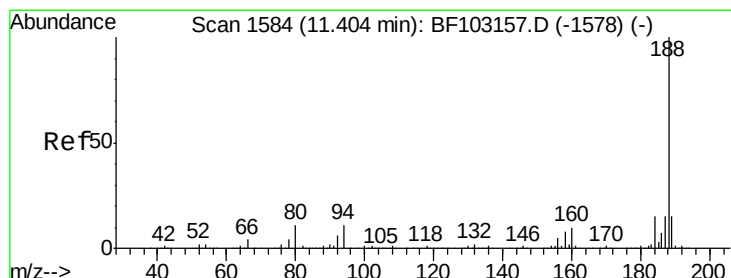
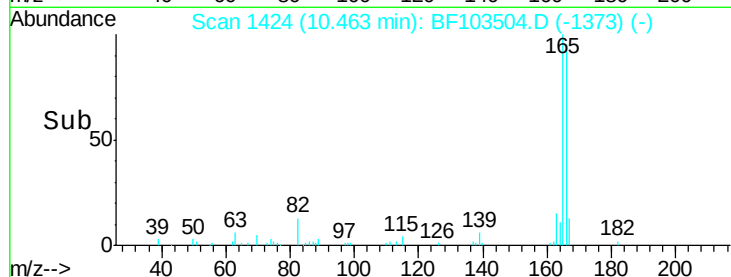
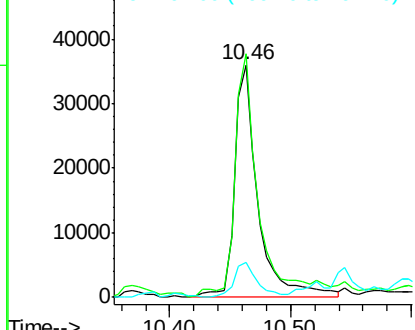
#57
 Fluorene
 Concen: 2.683 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. 0.00 min
 Lab File: BF103504.D
 Acq: 7 Mar 2018 16:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 48646
 Ion Ratio Lower Upper
 166 100
 165 104.9 79.8 119.8
 167 15.2 10.6 16.0

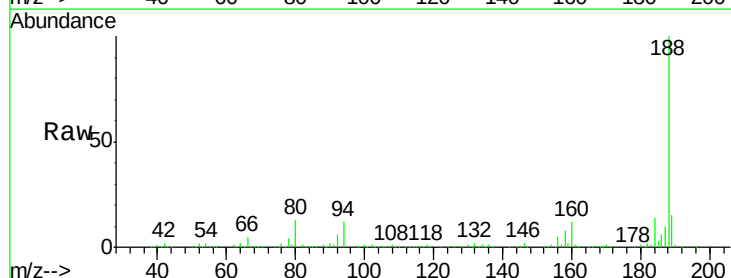


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

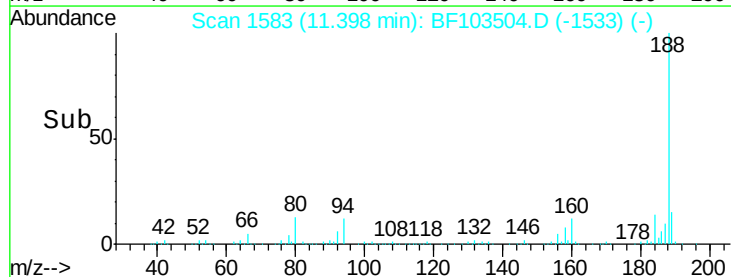
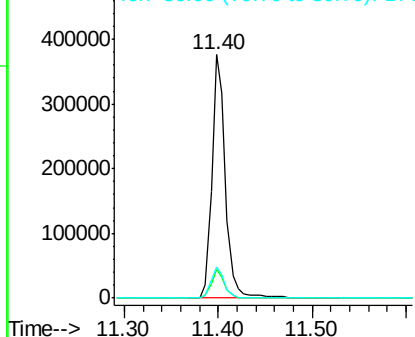


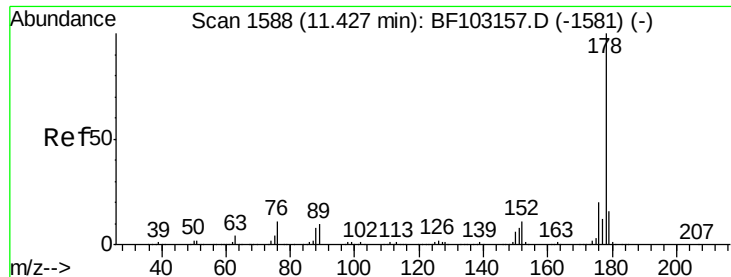
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF103504.D
 Acq: 7 Mar 2018 16:41

Tgt Ion:188 Resp: 383658
 Ion Ratio Lower Upper
 188 100
 94 11.9 8.5 12.7
 80 12.6 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

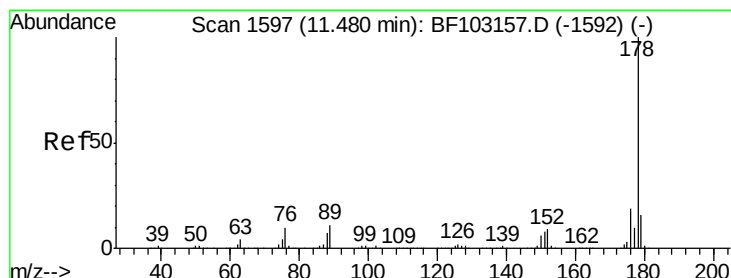
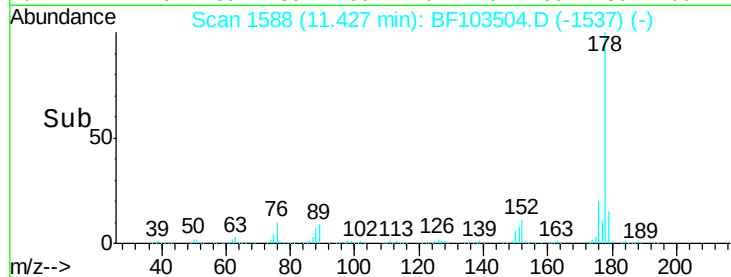
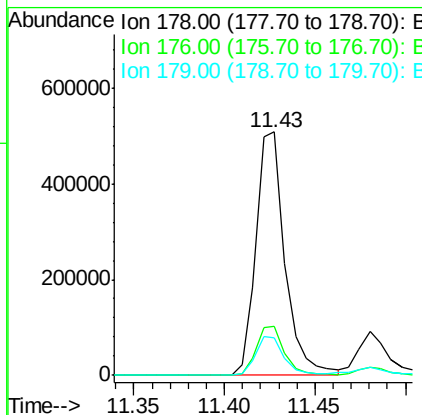
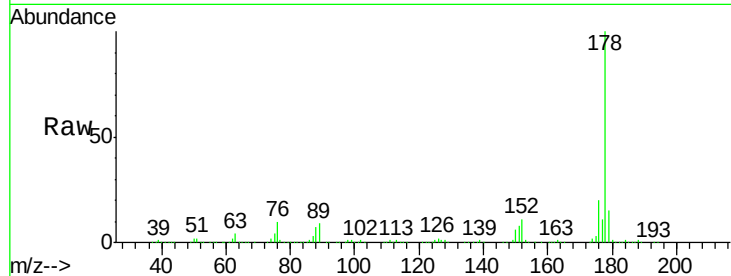




#70
 Phenanthrene
 Concen: 26.914 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: BF103504.D
 Acq: 7 Mar 2018 16:41

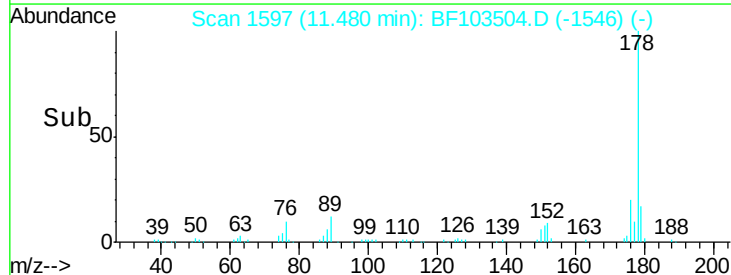
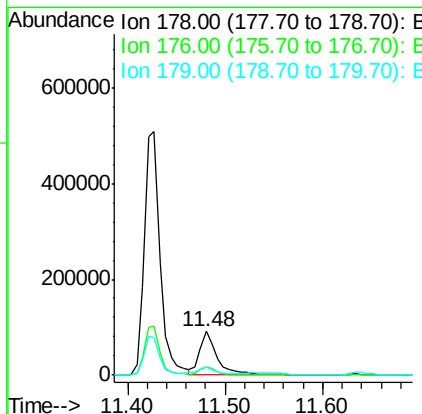
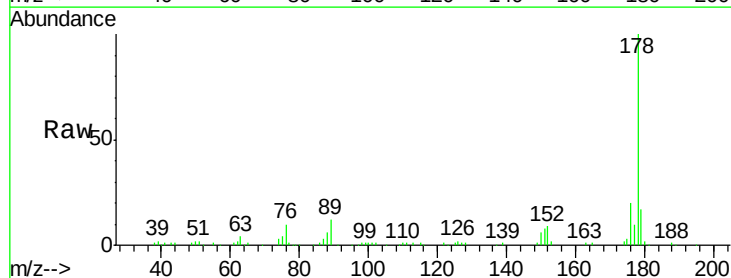
Instrument :
 BNA_F
 ClientSampleId :

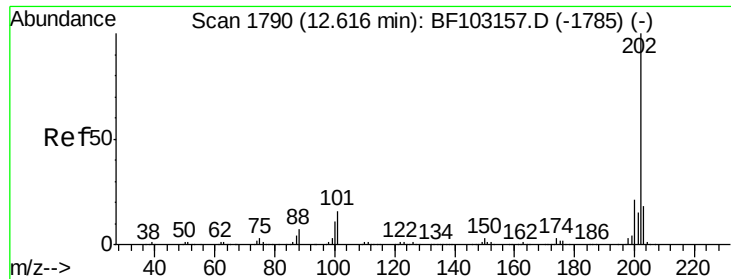
Tot Ion:178 Resp: 568252
 Ion Ratio Lower Upper
 178 100
 176 20.2 15.8 23.8
 179 15.4 13.0 19.6



#71
 Anthracene
 Concen: 5.328 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: BF103504.D
 Acq: 7 Mar 2018 16:41

Tgt Ion:178 Resp: 115357
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.4 23.2
 179 17.4 12.6 19.0

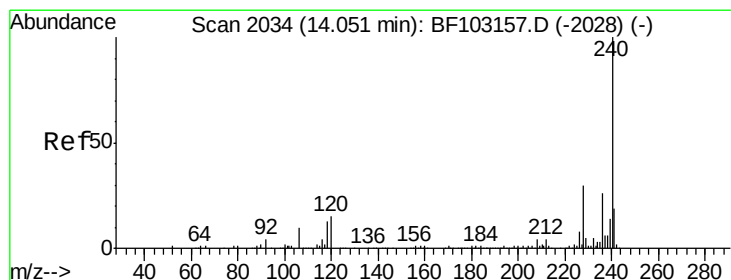
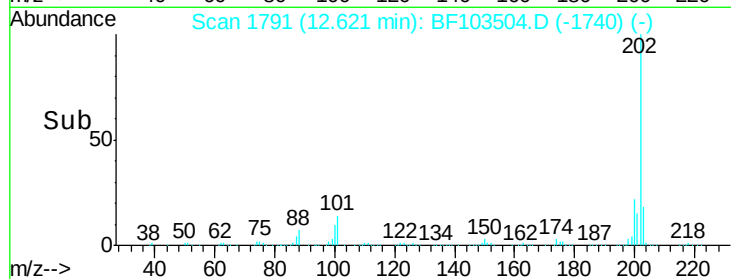
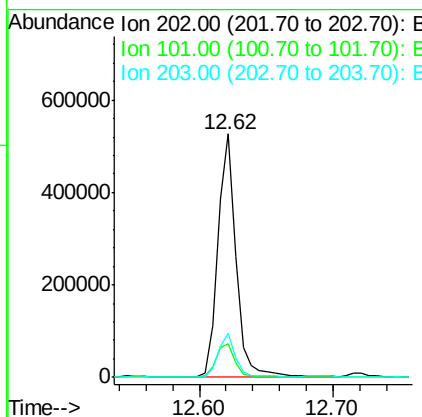
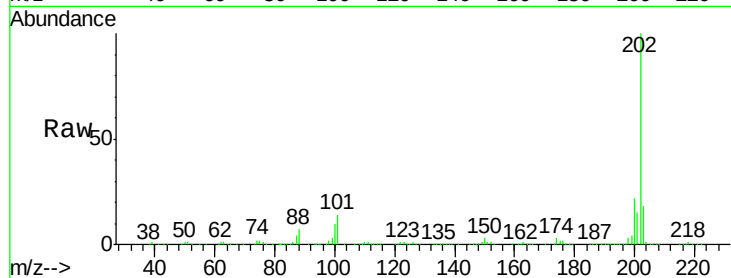




#74
Fluoranthene
Concen: 24.085 ng
RT: 12.62 min Scan# 1791
Delta R.T. 0.00 min
Lab File: BF103504.D
Acq: 7 Mar 2018 16:41

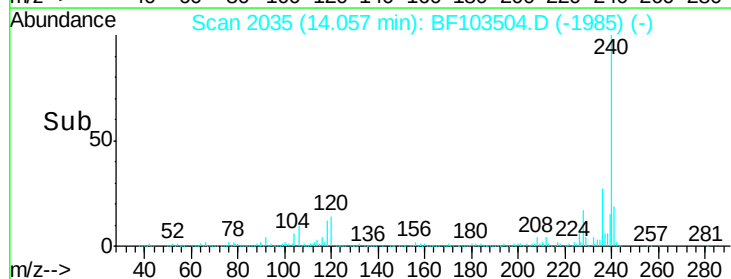
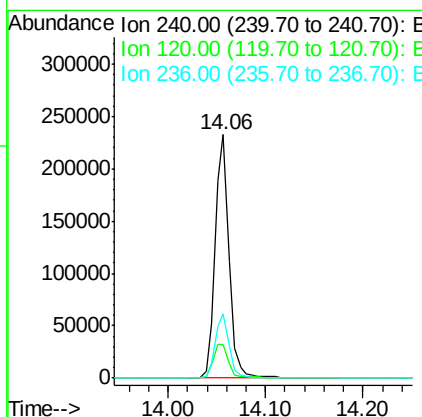
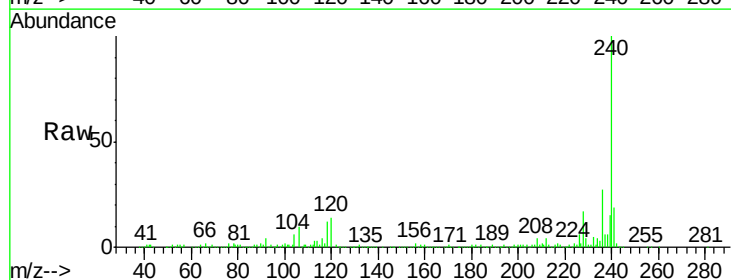
Instrument :
BNA_F
ClientSampleId :

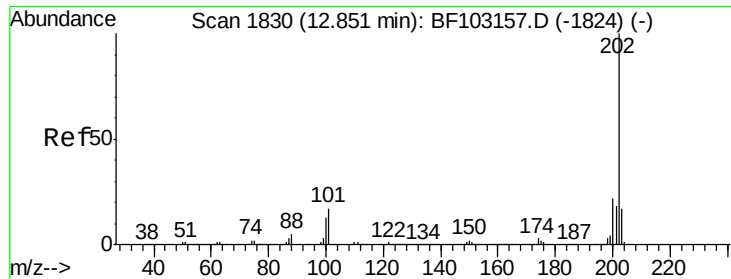
Tot Ion:202 Resp: 511018
Ion Ratio Lower Upper
202 100
101 13.7 0.0 34.1
203 18.2 0.0 38.1



#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF103504.D
Acq: 7 Mar 2018 16:41

Tgt Ion:240 Resp: 229306
Ion Ratio Lower Upper
240 100
120 14.0 9.5 14.3
236 26.6 20.7 31.1

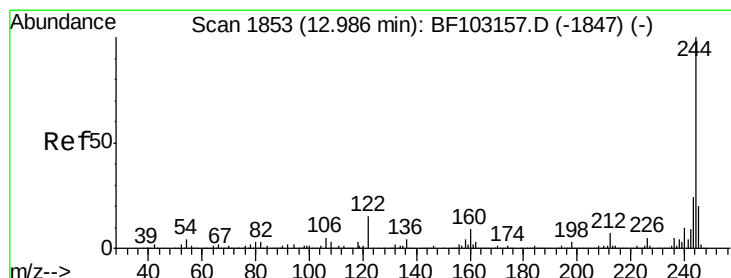
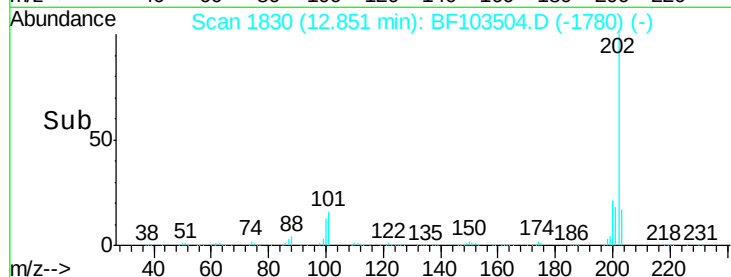
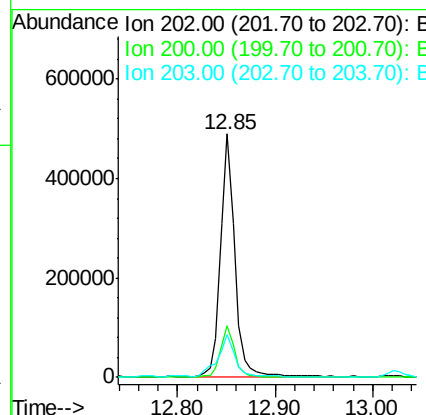
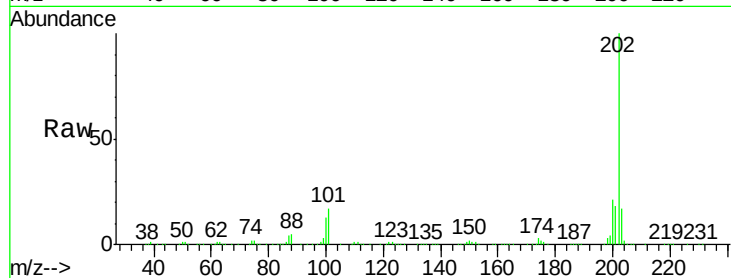




#77
Pvrene
Concen: 27.887 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF103504.D
Acq: 7 Mar 2018 16:41

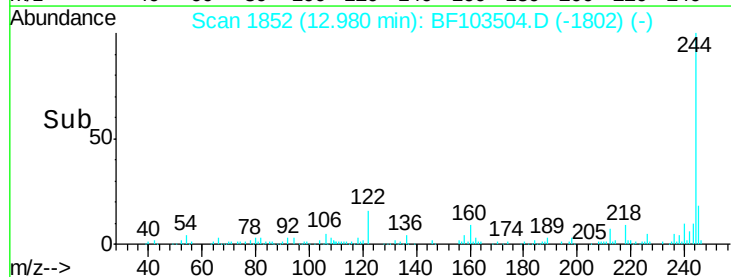
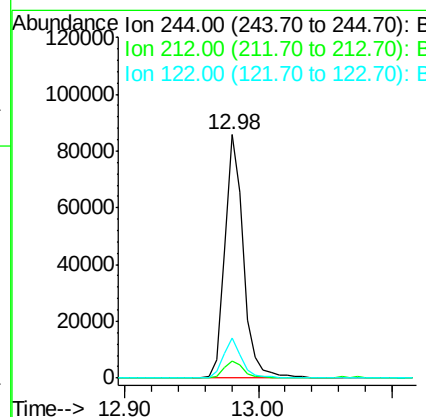
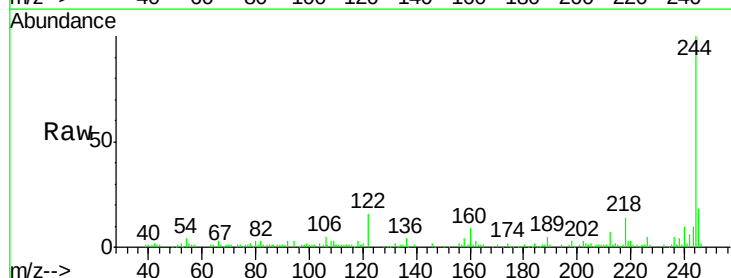
Instrument :
BNA_F
ClientSampleId :

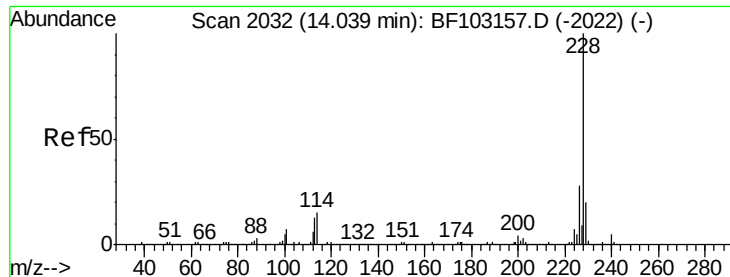
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	17.3	14.3	21.5



#78
Terphenyl-d14
Concen: 8.877 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BF103504.D
Acq: 7 Mar 2018 16:41

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.4	8.0
122	16.4	11.0	16.4





#80

Benzo(a)anthracene

Concen: 12.960 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF103504.D

Acq: 7 Mar 2018 16:41

Instrument :

BNA_F

ClientSampleId :

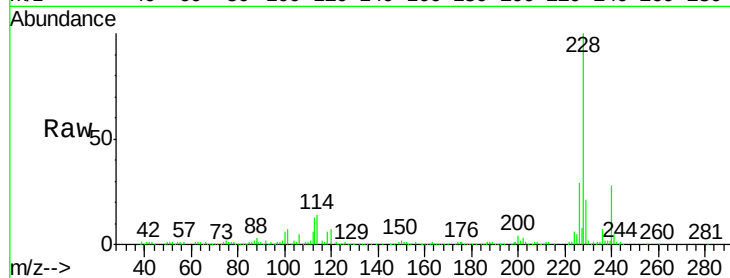
Tot Ion:228 Resp: 192828

Ion Ratio Lower Upper

228 100

226 28.6 22.6 33.8

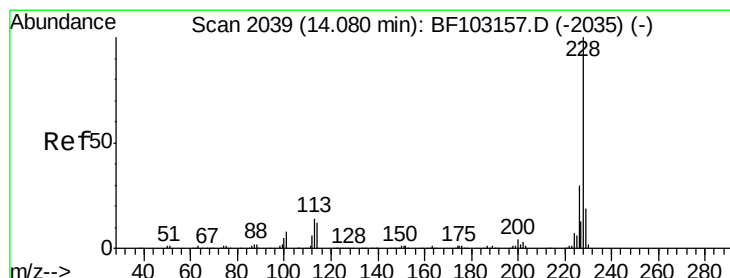
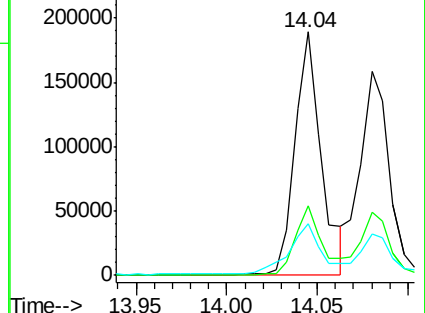
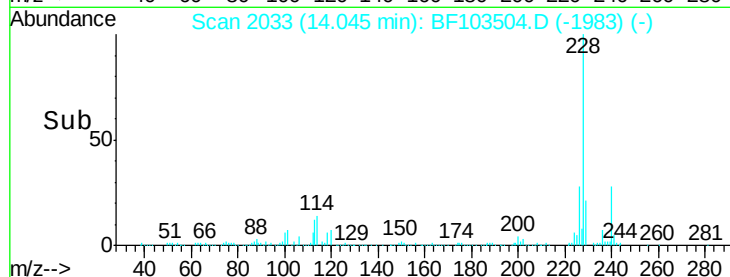
229 21.3 15.8 23.6



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: 12.436 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF103504.D

Acq: 7 Mar 2018 16:41

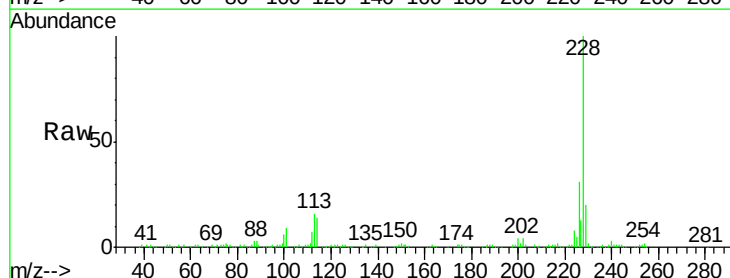
Tgt Ion:228 Resp: 179648

Ion Ratio Lower Upper

228 100

226 31.1 25.0 37.6

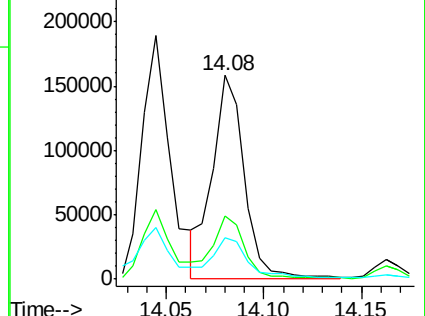
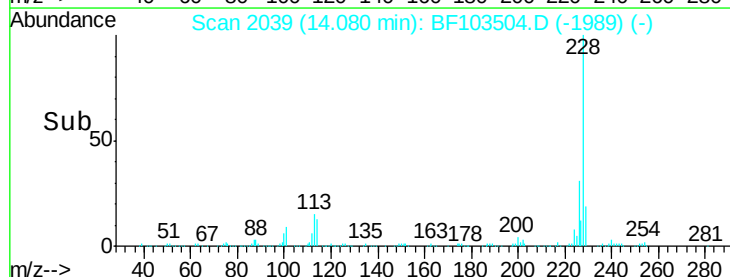
229 20.4 16.2 24.4

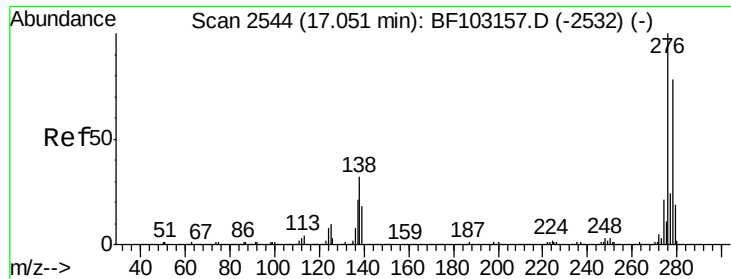


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

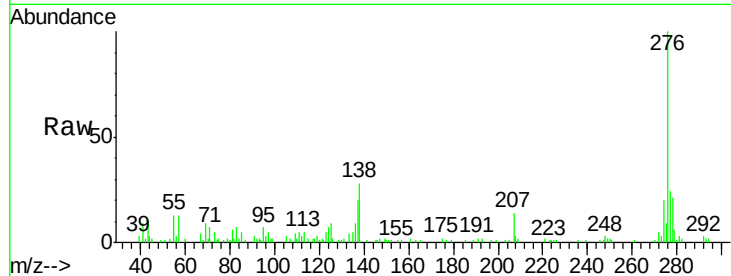




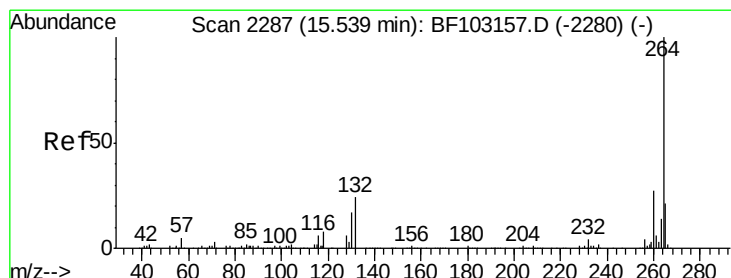
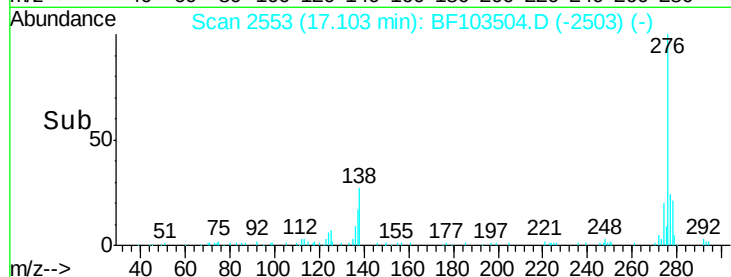
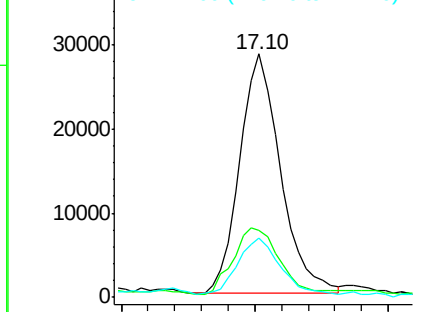
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.252 ng
 RT: 17.10 min Scan# 2553
 Delta R.T. -0.01 min
 Lab File: BF103504.D
 Acq: 7 Mar 2018 16:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.8	25.0	37.6
277	24.5	20.1	30.1

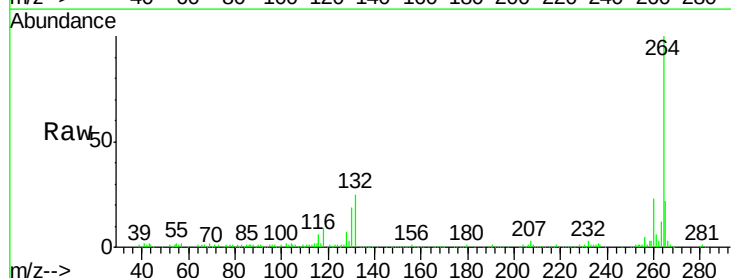


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

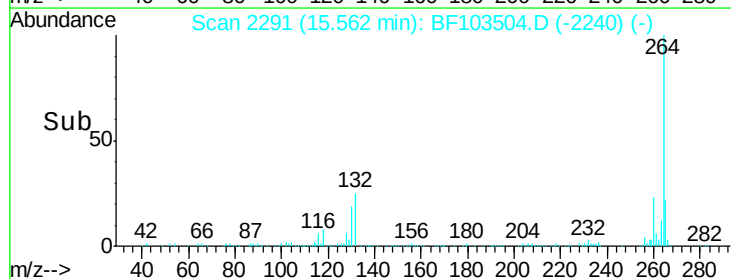
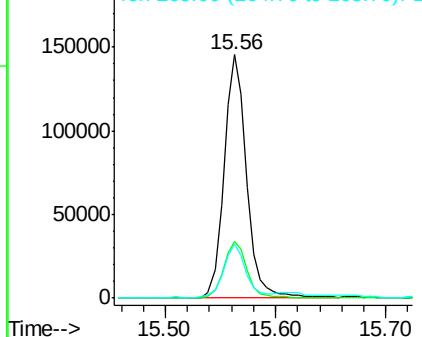


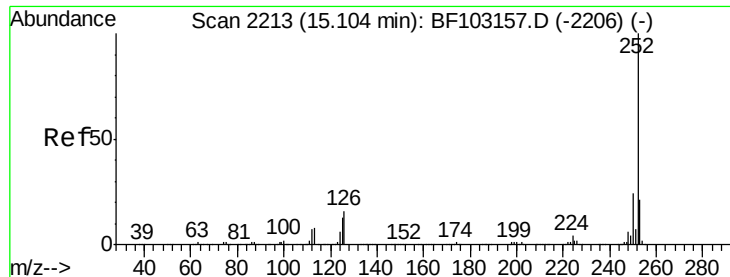
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.56 min Scan# 2291
 Delta R.T. 0.00 min
 Lab File: BF103504.D
 Acq: 7 Mar 2018 16:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	22.2	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: 17.467 ng

RT: 15.12 min Scan# 2216

Delta R.T. 0.00 min

Lab File: BF103504.D

Acq: 7 Mar 2018 16:41

Instrument :

BNA_F

ClientSampleId :

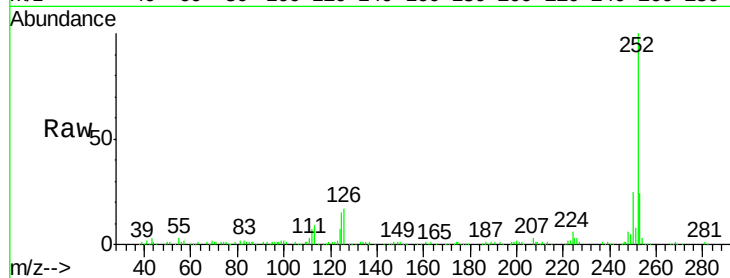
Tot Ion:252 Resp: 238190

Ion Ratio Lower Upper

252 100

253 23.6 17.0 25.6

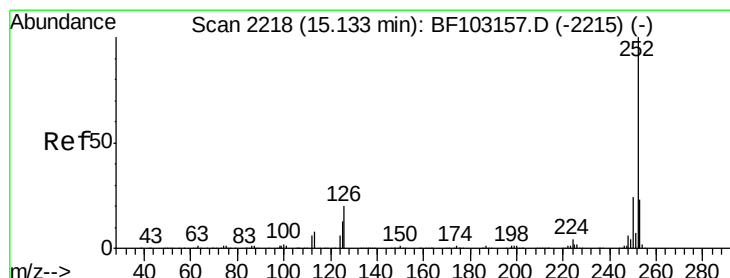
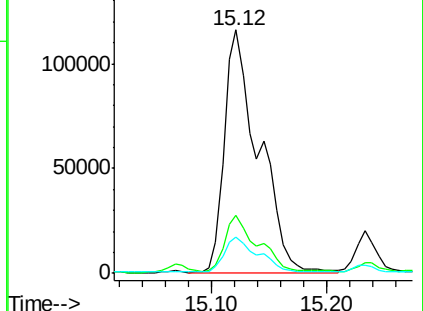
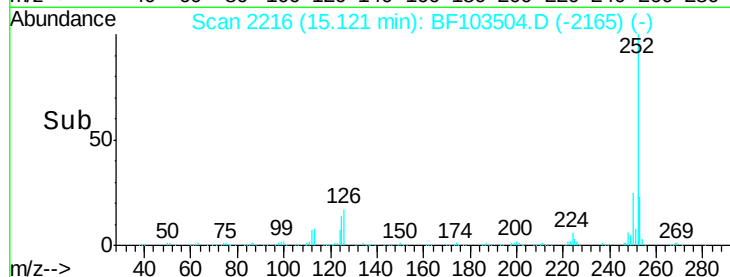
125 14.9 9.0 13.6#



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: 18.550 ng

RT: 15.12 min Scan# 2216

Delta R.T. -0.03 min

Lab File: BF103504.D

Acq: 7 Mar 2018 16:41

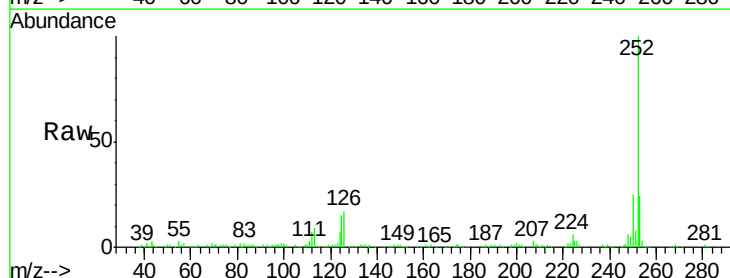
Tgt Ion:252 Resp: 238190

Ion Ratio Lower Upper

252 100

253 23.6 17.9 26.9

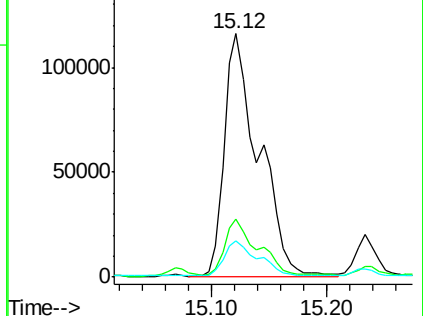
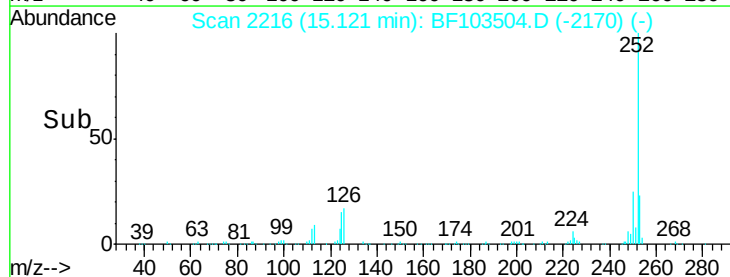
125 14.9 10.2 15.2

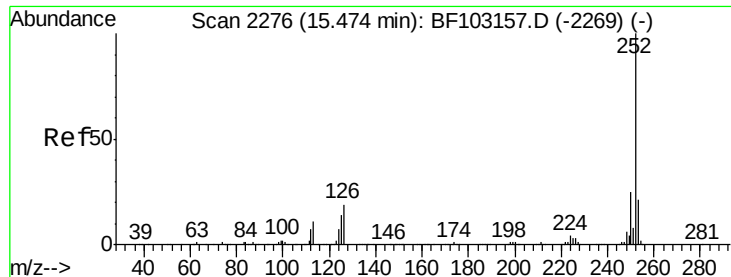


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

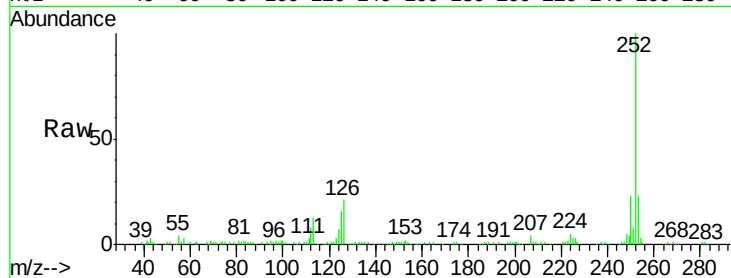




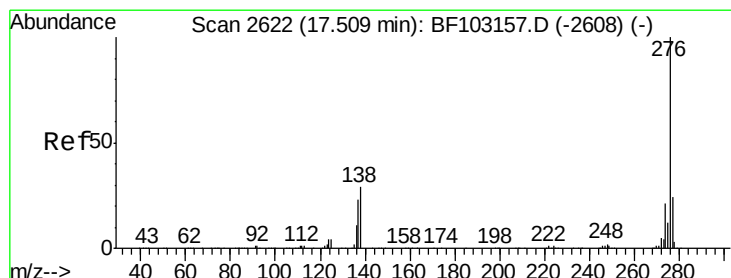
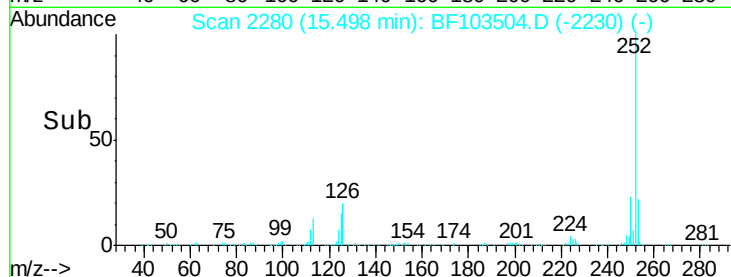
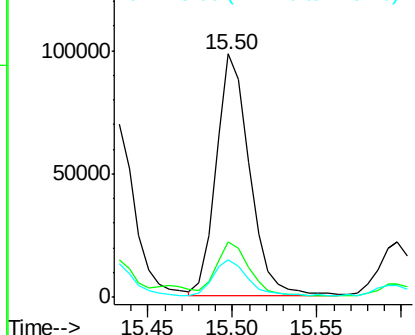
#89
Benzo(a)pyrene
Concen: 11.153 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF103504.D
Acq: 7 Mar 2018 16:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 135816
Ion Ratio Lower Upper
252 100
253 22.5 17.1 25.7
125 15.7 9.8 14.6#

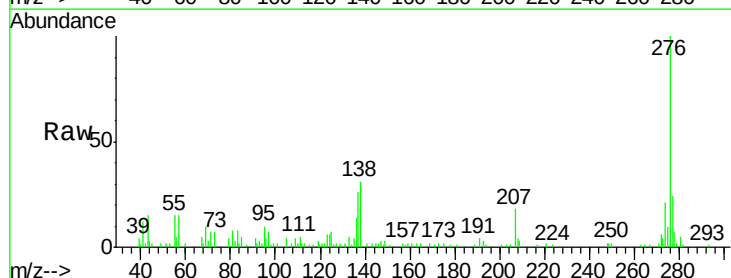


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 6.438 ng
RT: 17.57 min Scan# 2633
Delta R.T. 0.00 min
Lab File: BF103504.D
Acq: 7 Mar 2018 16:41

Tgt Ion:276 Resp: 59208
Ion Ratio Lower Upper
276 100
277 24.3 17.9 26.9
138 30.5 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

