

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032018\
 Data File : BF103807.D
 Acq On : 20 Mar 2018 17:31
 Operator : JU/SJ
 Sample : J1982-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 21 00:56:12 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	162567	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	601019	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	272694	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	470075	20.00	ng	0.01
75) Chrysene-d12	14.16	240	260547	20.00	ng	0.01
86) Perylene-d12	15.70	264	255550	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	1180334	110.43	ng	0.02
7) Phenol-d6	6.60	99	1634177	124.97	ng	0.01
23) Nitrobenzene-d5	7.54	82	927973	107.67	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	287327	122.55	ng	0.01
44) 2-Fluorobiphenyl	9.33	172	1389042	81.25	ng	0.00
78) Terphenyl-d14	13.10	244	1026924	91.49	ng	0.01

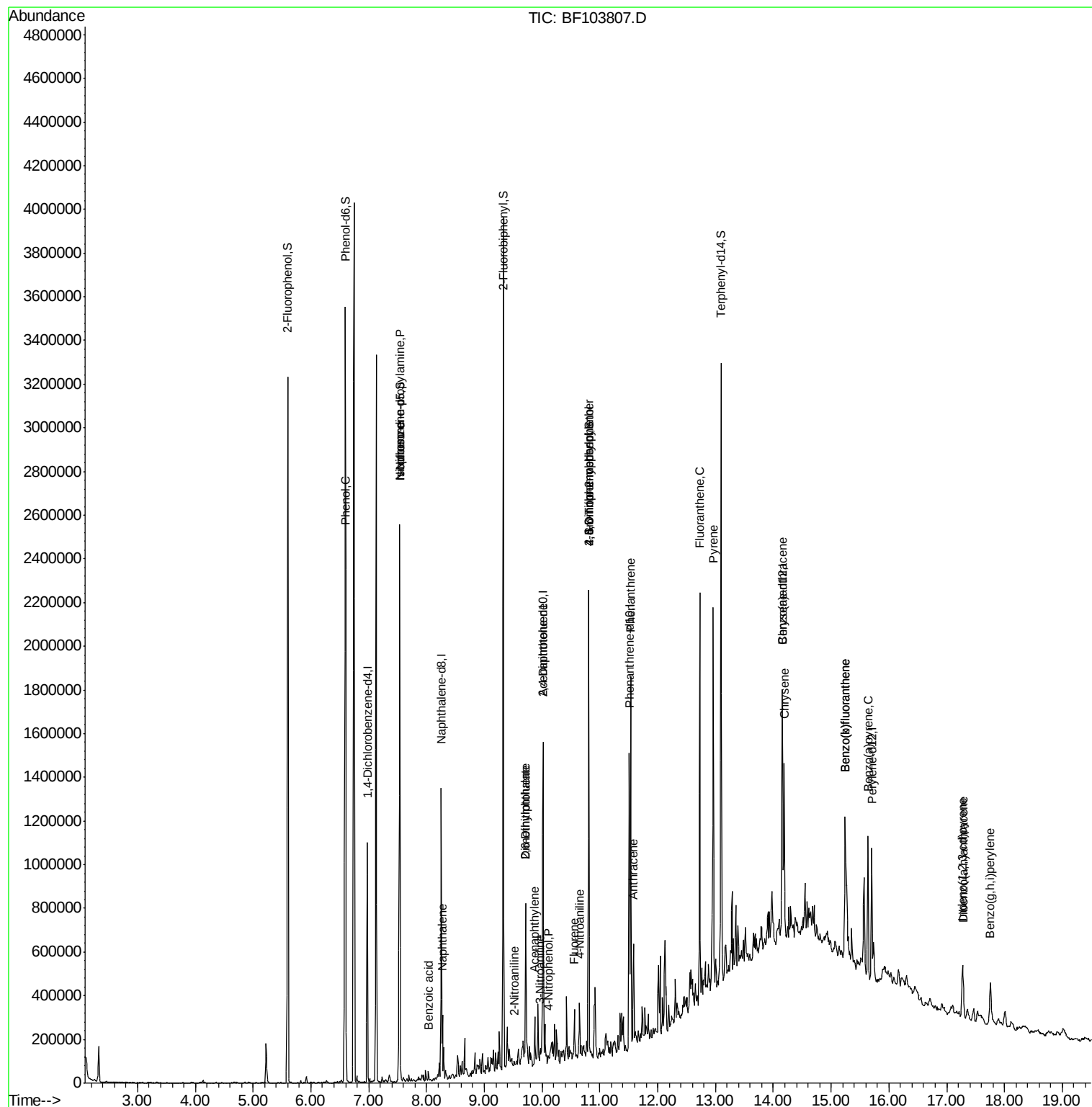
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.61	94	38473	2.769	ng	93
19) n-Nitroso-di-n-propylamine	7.54	70	121883	14.544	ng	# 73
25) Isophorone	7.54	82	926197	46.423	ng	# 64
31) Naphthalene	8.27	128	103062	3.395	ng	99
32) Benzoic acid	8.02	122	890	10.022	ng	# 17
47) 2-Nitroaniline	9.52	65	183	6.847	ng	# 2
48) Acenaphthylene	9.87	152	71334	2.547	ng	99
49) Dimethylphthalate	9.72	163	181816	8.739	ng	99
50) 2,6-Dinitrotoluene	9.72	165	2421	4.535	ng	# 31
52) 3-Nitroaniline	9.96	138	492	3.908	ng	# 1
55) 4-Nitrophenol	10.11	139	810	5.169	ng	# 1
56) 2,4-Dinitrotoluene	10.02	165	37929	12.689	ng	# 24
57) Fluorene	10.56	166	52032	2.823	ng	98
61) 4-Nitroaniline	10.65	138	306	3.810	ng	84
64) 4,6-Dinitro-2-methylphenol	10.81	198	414	8.380	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	17491	3.624	ng	# 1
70) Phenanthrene	11.53	178	569360	22.142	ng	99
71) Anthracene	11.58	178	177236	6.786	ng	98
74) Fluoranthene	12.73	202	766784	28.945	ng	100
77) Pvrene	12.96	202	726697	37.979	ng	100
80) Benzo(a)anthracene	14.15	228	377295	22.877	ng	96
82) Chrysene	14.19	228	323163	20.555	ng	97
85) Indeno(1,2,3-cd)pyrene	17.27	276	169740	12.363	ng	93
87) Benzo(b)fluoranthene	15.24	252	541413	33.534	ng	# 94
88) Benzo(k)fluoranthene	15.24	252	541413	34.886	ng	97
89) Benzo(a)pyrene	15.64	252	318222	21.731	ng	# 95
90) Dibenzo(a,h)anthracene	17.29	278	43865	3.459	ng	# 89
91) Benzo(g,h,i)perylene	17.76	276	159291	12.913	ng	96

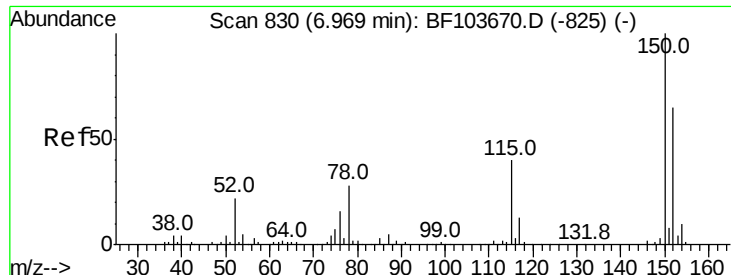
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF032018\
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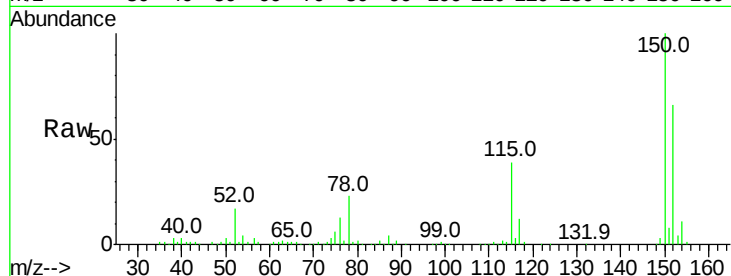


#1

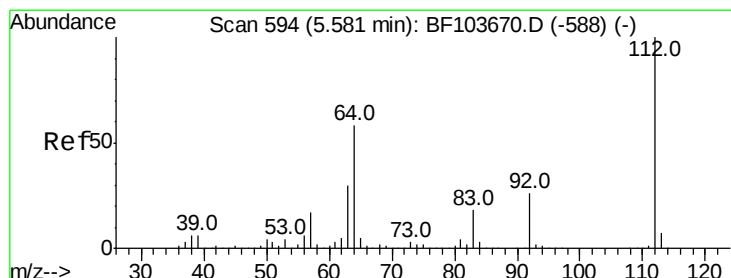
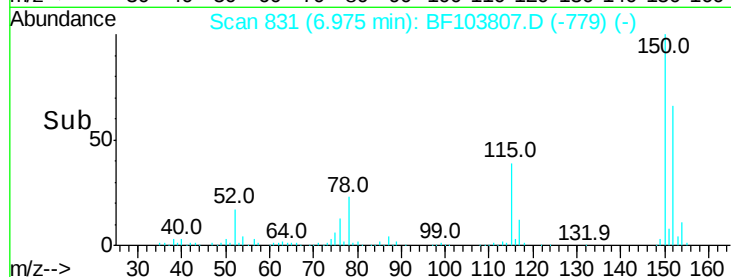
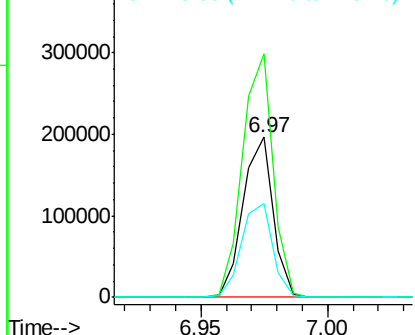
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. 0.01 min
Lab File: BF103807.D
Acq: 20 Mar 2018 17:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 162567
Ion Ratio Lower Upper
152 100
150 152.3 124.6 186.8
115 58.8 50.1 75.1



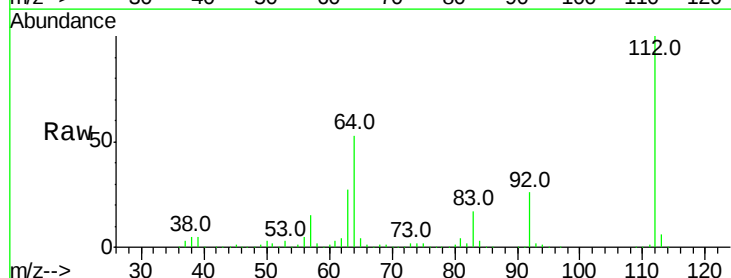
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



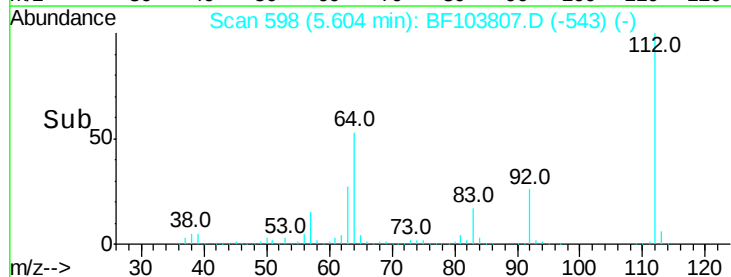
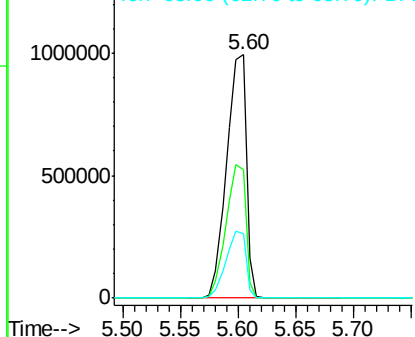
#5

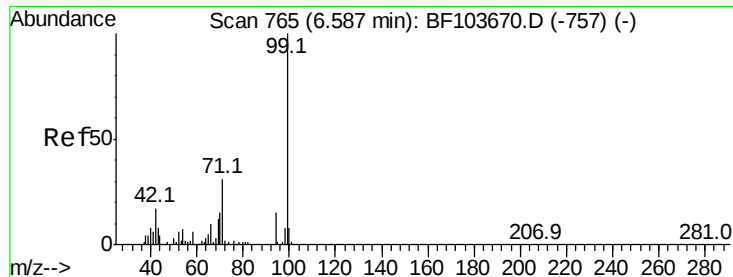
2-Fluorophenol
Concen: 110.433 ng
RT: 5.60 min Scan# 598
Delta R.T. 0.02 min
Lab File: BF103807.D
Acq: 20 Mar 2018 17:31

Tgt Ion:112 Resp: 1180334
Ion Ratio Lower Upper
112 100
64 52.8 47.9 71.9
63 26.5 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: 124.973 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.01 min

Lab File: BF103807.D

Acq: 20 Mar 2018 17:31

Instrument :

BNA_F

ClientSampleId :

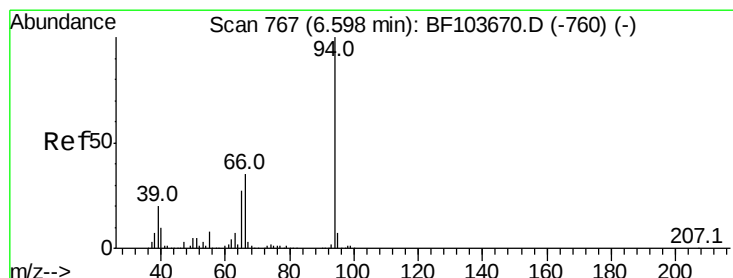
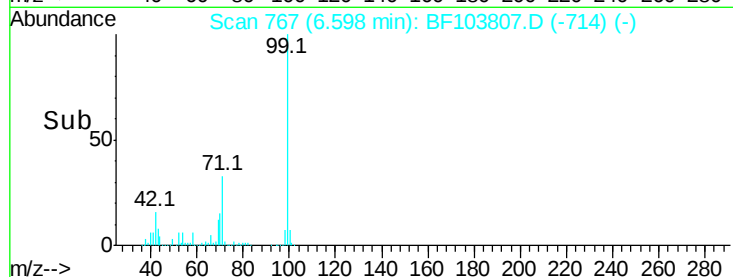
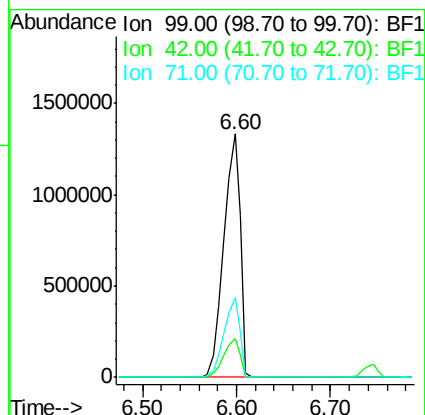
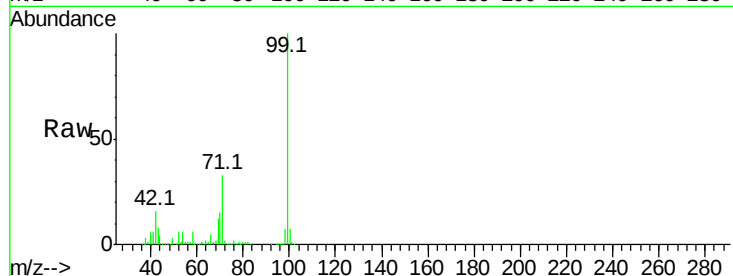
Tot Ion: 99 Resp: 1634177

Ion Ratio Lower Upper

99 100

42 15.8 14.5 21.7

71 33.0 25.4 38.0



#10

Phenol

Concen: 2.769 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.01 min

Lab File: BF103807.D

Acq: 20 Mar 2018 17:31

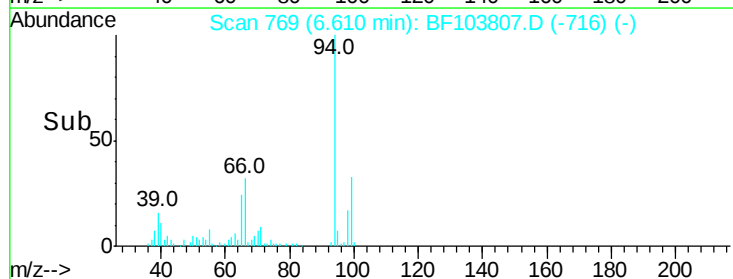
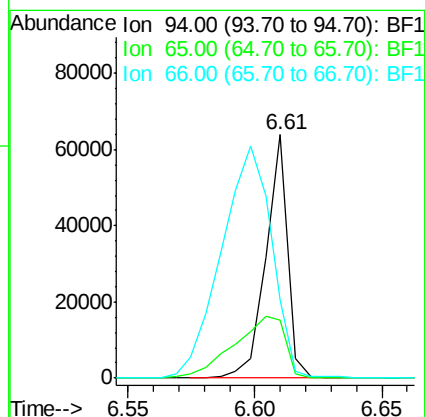
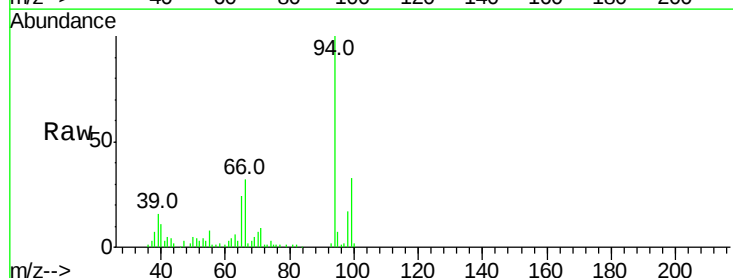
Tgt Ion: 94 Resp: 38473

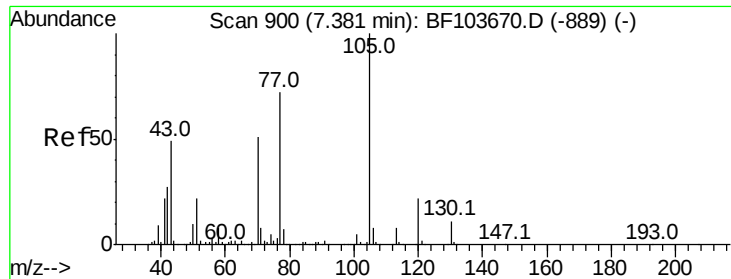
Ion Ratio Lower Upper

94 100

65 23.9 7.9 47.9

66 32.5 16.2 56.2

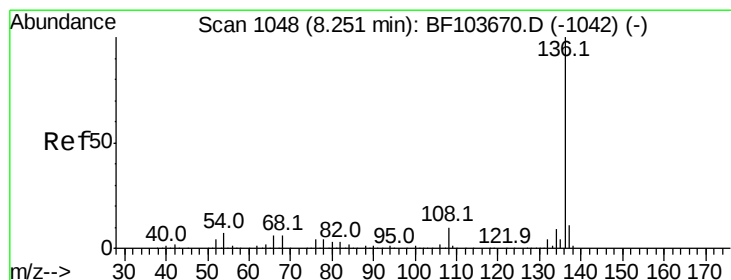
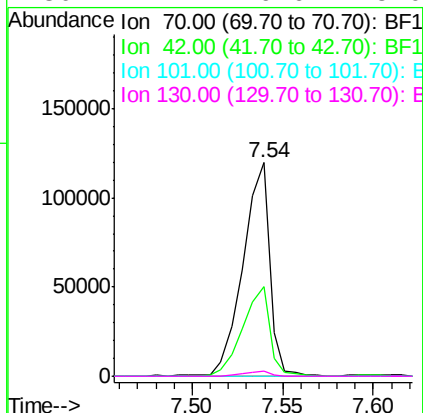
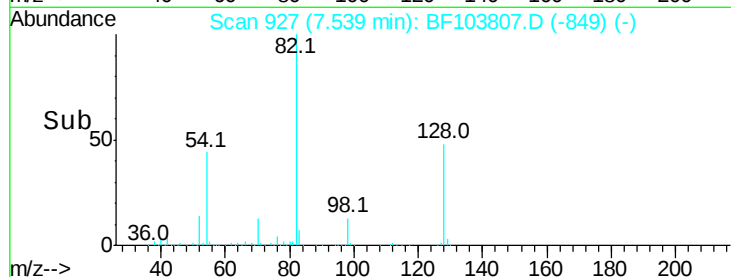
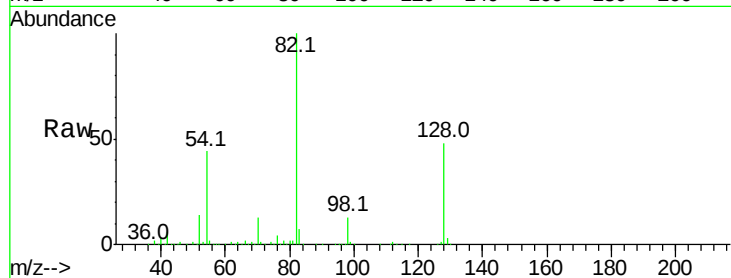




#19
n-Nitroso-di-n-propylamine
Concen: 14.544 ng
RT: 7.54 min Scan# 927
Delta R.T. 0.16 min
Lab File: BF103807.D
Acq: 20 Mar 2018 17:31

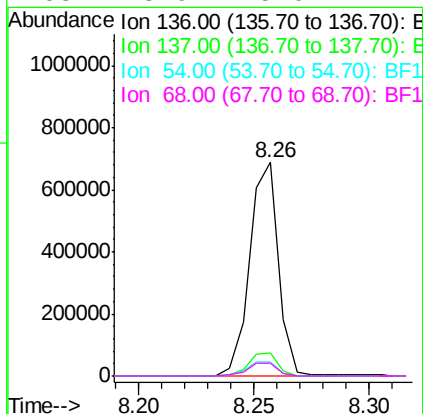
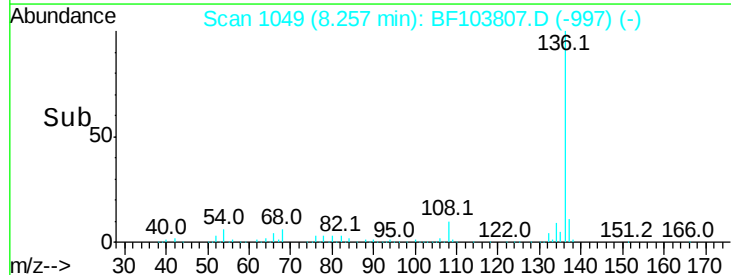
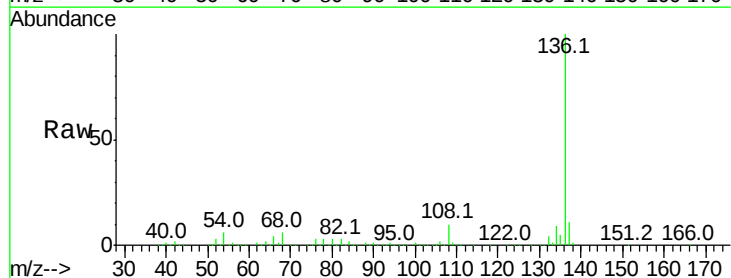
Instrument :
BNA_F
ClientSampleId :

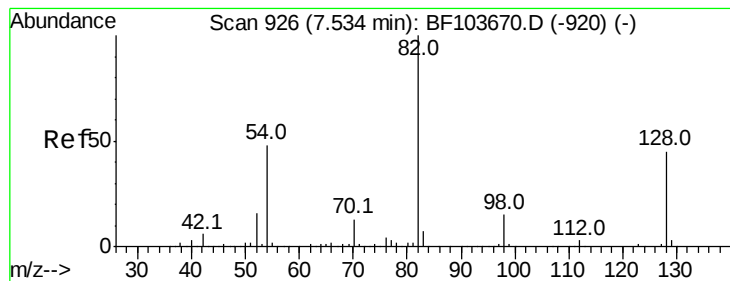
Tot Ion: 70 Resp: 121883
Ion Ratio Lower Upper
70 100
42 41.7 47.5 71.3#
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1049
Delta R.T. 0.01 min
Lab File: BF103807.D
Acq: 20 Mar 2018 17:31

Tgt Ion:136 Resp: 601019
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 6.5 6.6 9.8#
68 5.9 5.0 7.4





#23

Nitrobenzene-d5

Concen: 107.672 ng

RT: 7.54 min Scan# 927

Delta R.T. 0.01 min

Lab File: BF103807.D

Acq: 20 Mar 2018 17:31

Instrument :

BNA_F

ClientSampleId :

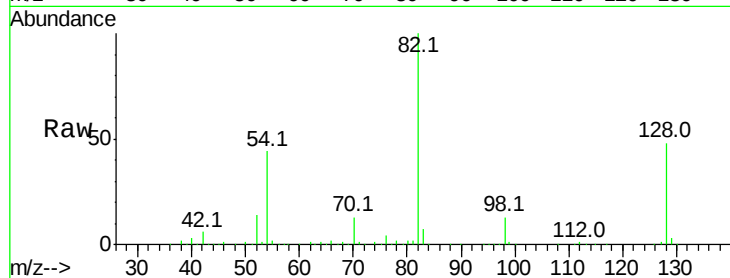
Tot Ion: 82 Resp: 927973

Ion Ratio Lower Upper

82 100

128 47.5 36.1 54.1

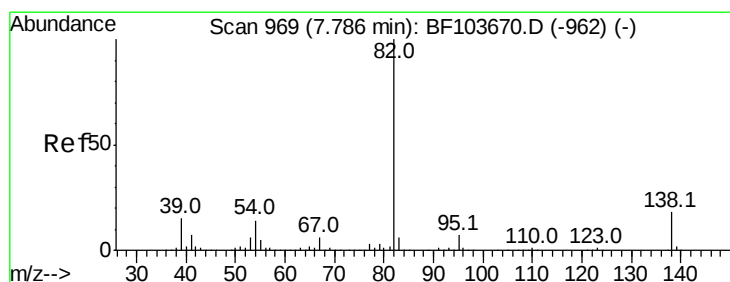
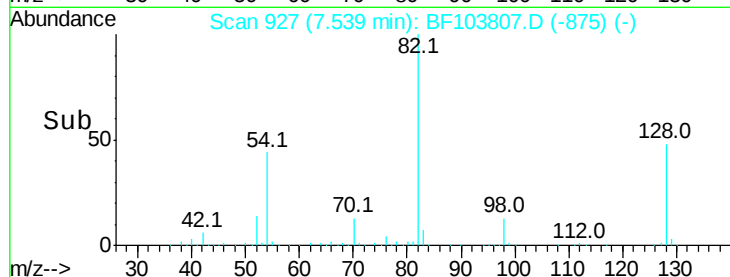
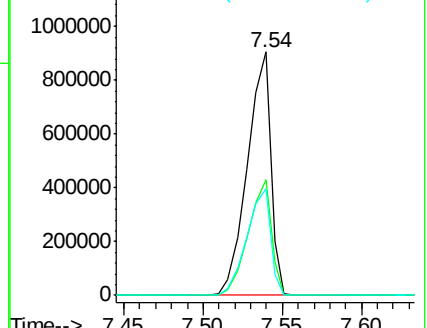
54 43.6 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 46.423 ng

RT: 7.54 min Scan# 927

Delta R.T. -0.25 min

Lab File: BF103807.D

Acq: 20 Mar 2018 17:31

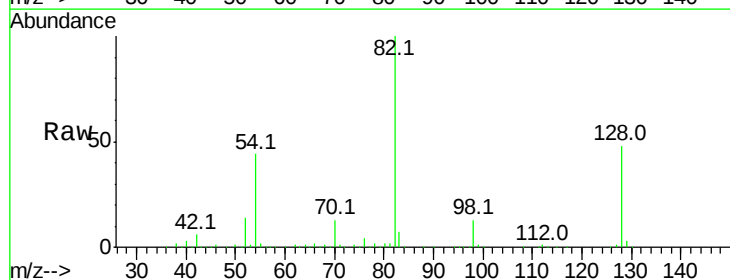
Tgt Ion: 82 Resp: 926197

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

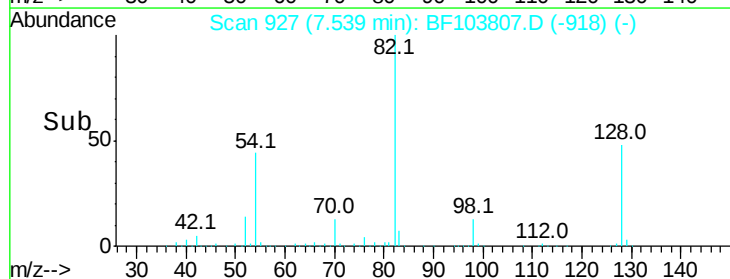
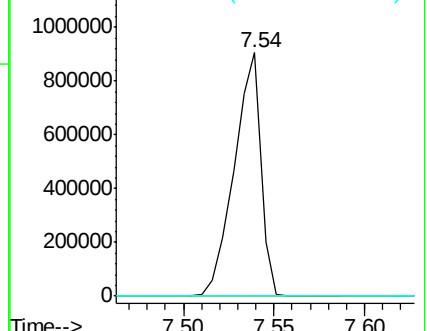
138 0.0 14.9 22.3#

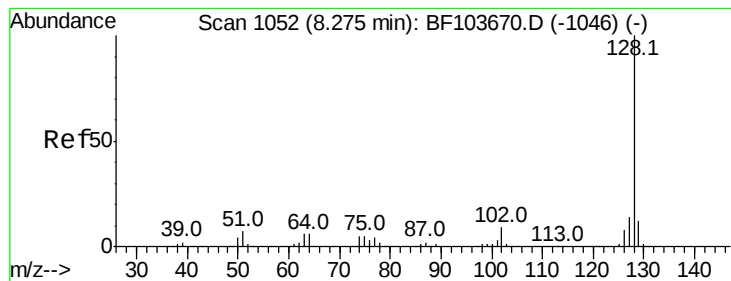


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1





#31

Naphthalene

Concen: 3.395 ng

RT: 8.27 min Scan# 1052

Delta R.T. -0.00 min

Lab File: BF103807.D

Acq: 20 Mar 2018 17:31

Instrument :

BNA_F

ClientSampleId :

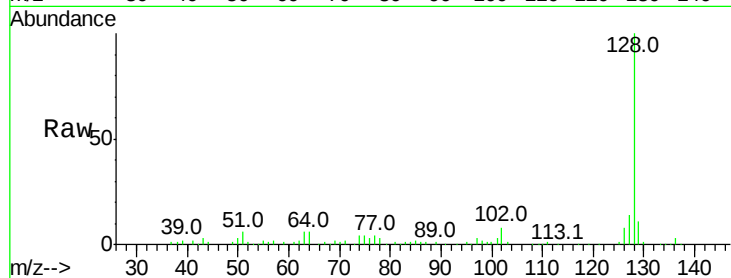
Tot Ion:128 Resp: 103062

Ion Ratio Lower Upper

128 100

129 11.4 8.8 13.2

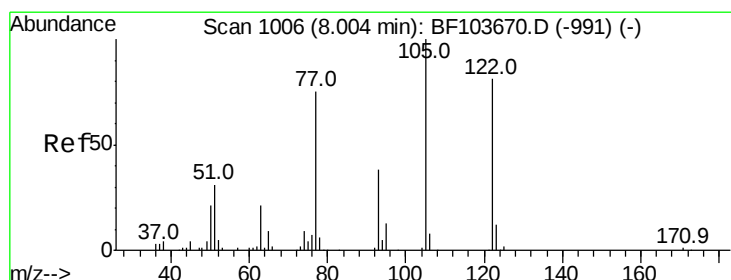
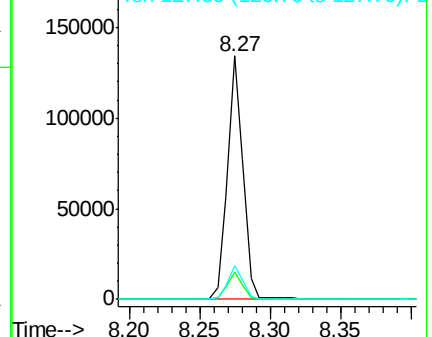
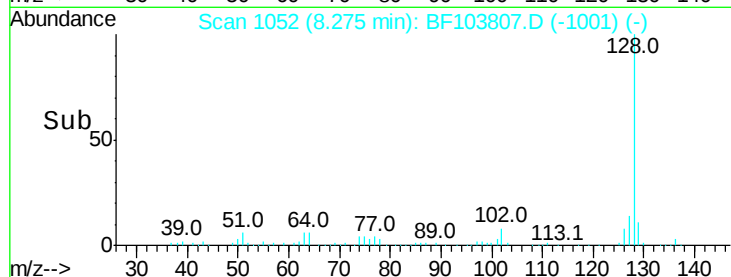
127 13.9 10.9 16.3



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



#32

Benzoic acid

Concen: 10.022 ng

RT: 8.02 min Scan# 1009

Delta R.T. 0.02 min

Lab File: BF103807.D

Acq: 20 Mar 2018 17:31

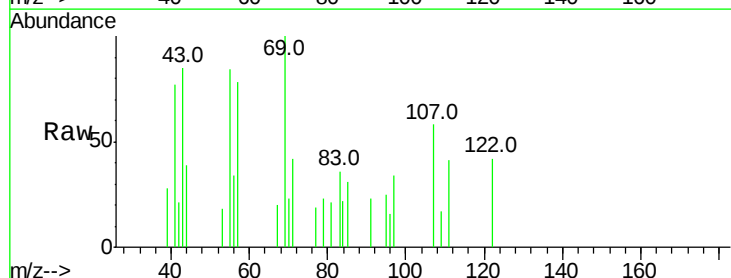
Tgt Ion:122 Resp: 890

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

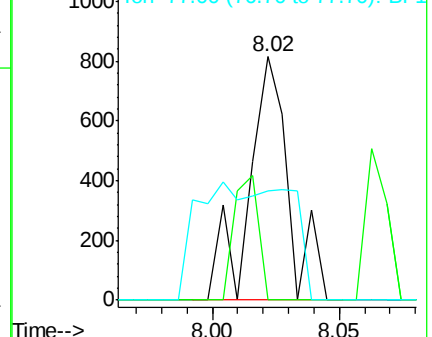
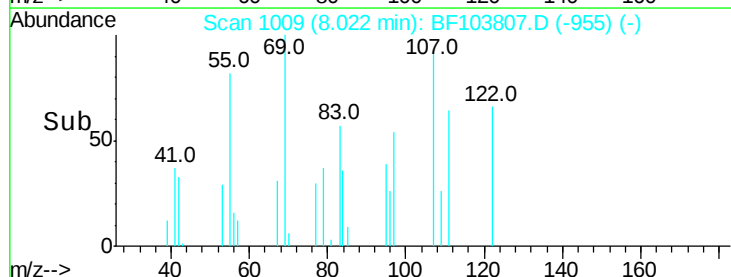
77 45.0 70.7 110.7#

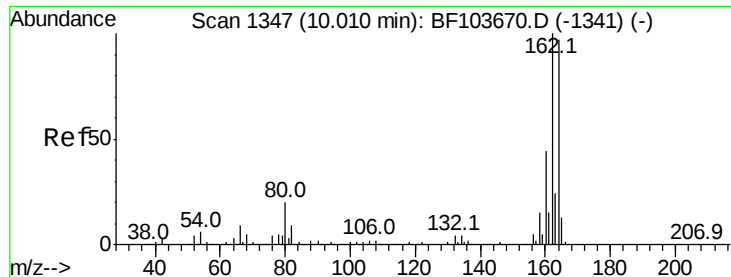


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

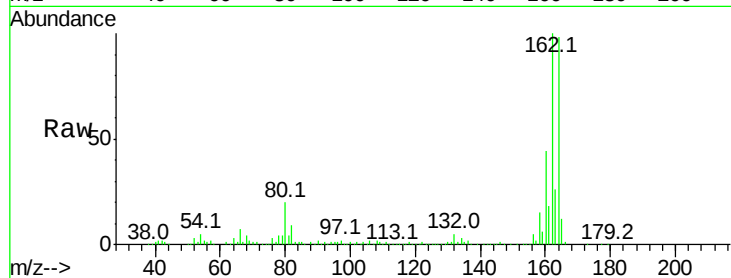




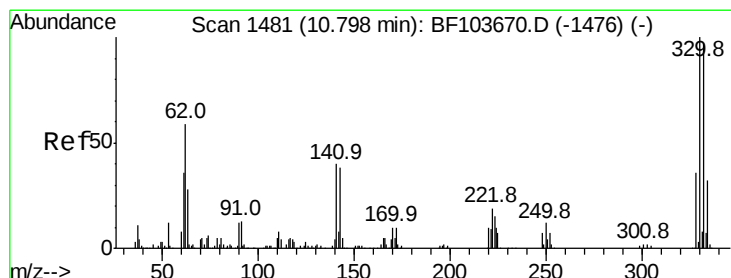
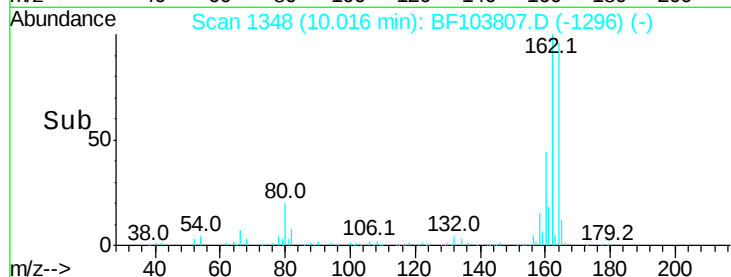
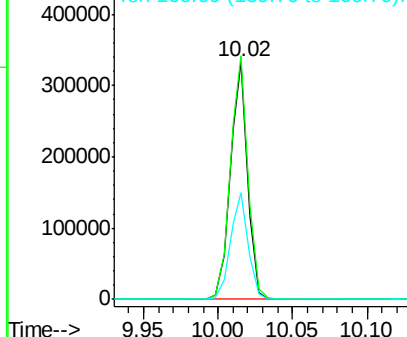
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.01 min
Lab File: BF103807.D
Acq: 20 Mar 2018 17:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 272694
Ion Ratio Lower Upper
164 100
162 102.5 86.1 129.1
160 44.8 38.3 57.5

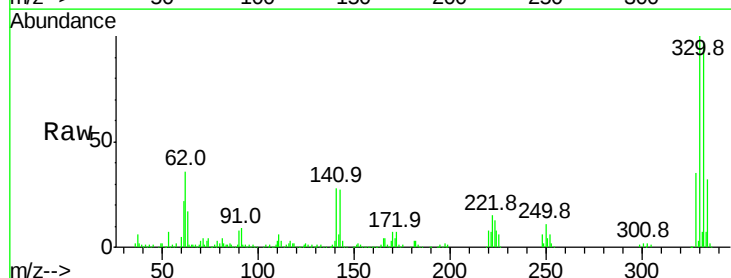


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

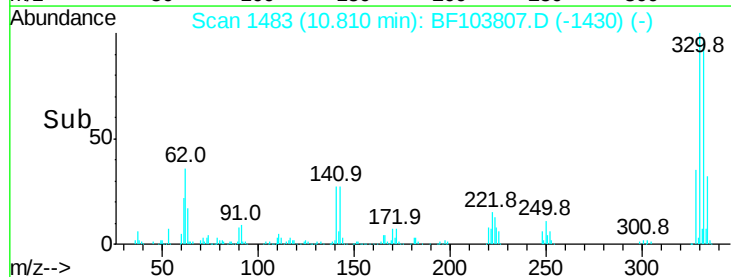
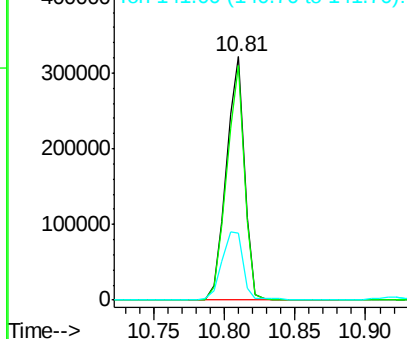


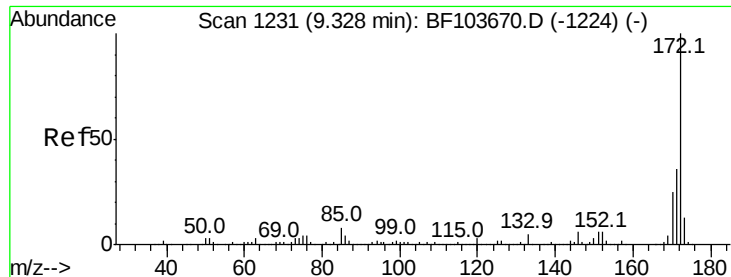
#41
2,4,6-Tribromophenol
Concen: 122.546 ng
RT: 10.81 min Scan# 1483
Delta R.T. 0.01 min
Lab File: BF103807.D
Acq: 20 Mar 2018 17:31

Tgt Ion:330 Resp: 287327
Ion Ratio Lower Upper
330 100
332 94.9 77.0 115.6
141 32.3 29.9 44.9



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

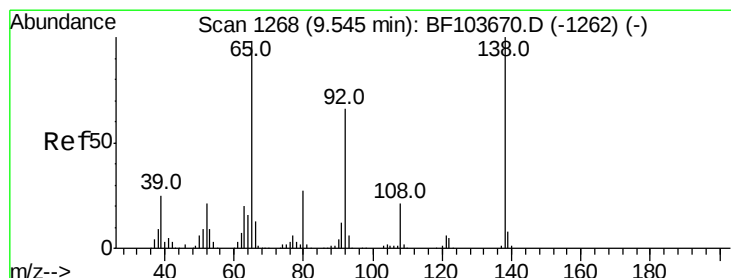
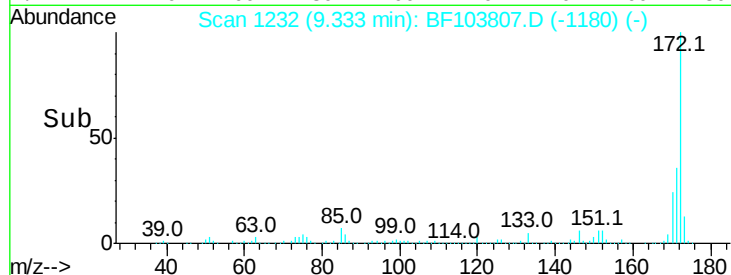
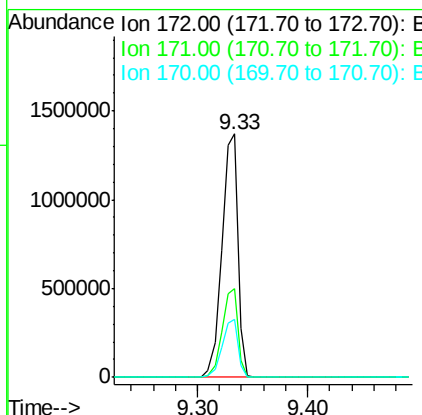
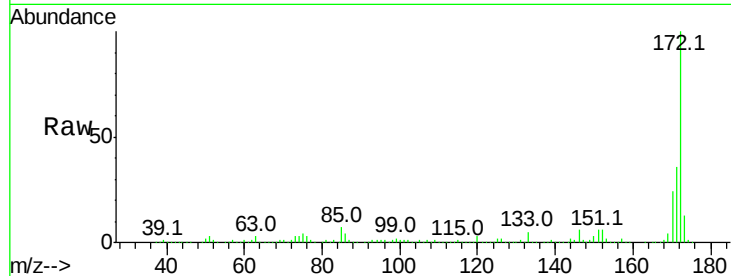




#44
 2-Fluorobiphenyl
 Concen: 81.253 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. 0.01 min
 Lab File: BF103807.D
 Acq: 20 Mar 2018 17:31

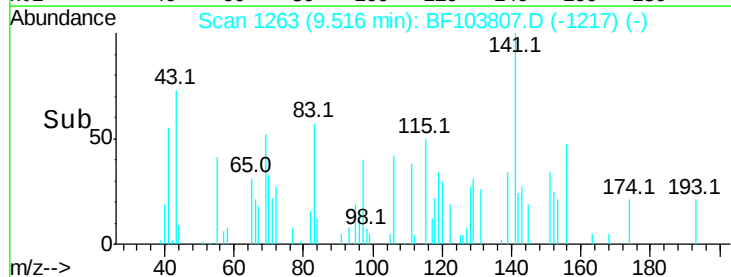
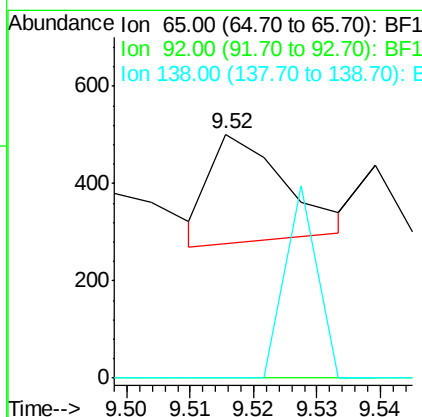
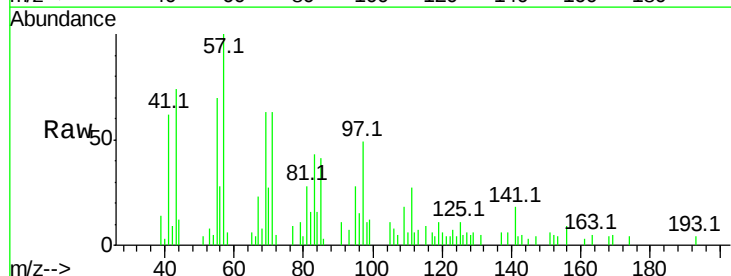
Instrument :
 BNA_F
 ClientSampleId :

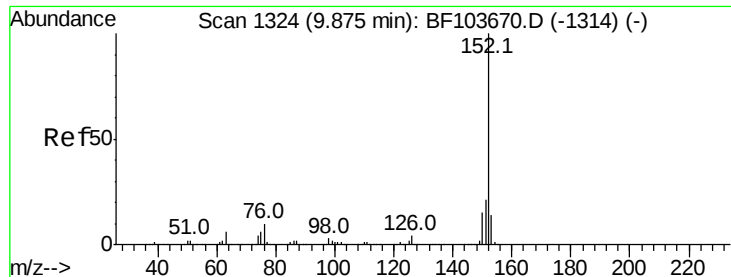
Tot Ion:172 Resp: 1389042
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.7 44.5
 170 24.0 19.6 29.4



#47
 2-Nitroaniline
 Concen: 6.847 ng
 RT: 9.52 min Scan# 1263
 Delta R.T. -0.03 min
 Lab File: BF103807.D
 Acq: 20 Mar 2018 17:31

Tgt Ion: 65 Resp: 183
 Ion Ratio Lower Upper
 65 100
 92 0.0 55.8 83.6#
 138 0.0 91.2 136.8#





#48

Acenaphthylene

Concen: 2.547 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.00 min

Lab File: BF103807.D

Acq: 20 Mar 2018 17:31

Instrument :

BNA_F

ClientSampleId :

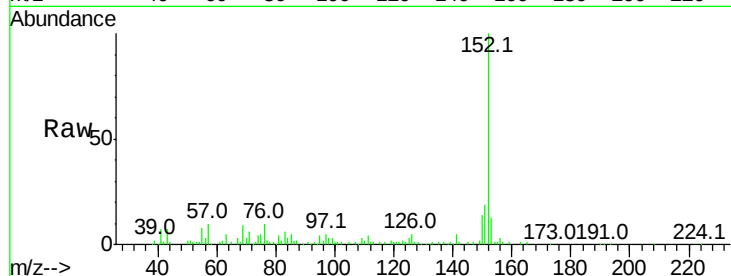
Tot Ion:152 Resp: 71334

Ion Ratio Lower Upper

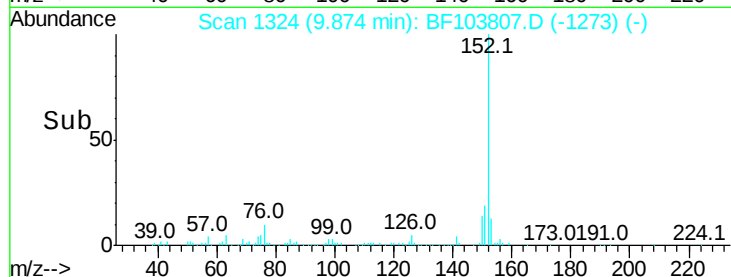
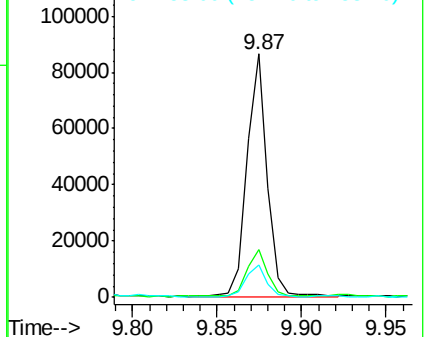
152 100

151 19.5 16.3 24.5

153 13.4 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 8.739 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF103807.D

Acq: 20 Mar 2018 17:31

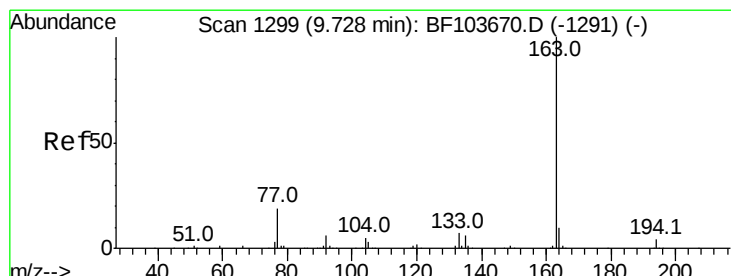
Tgt Ion:163 Resp: 181816

Ion Ratio Lower Upper

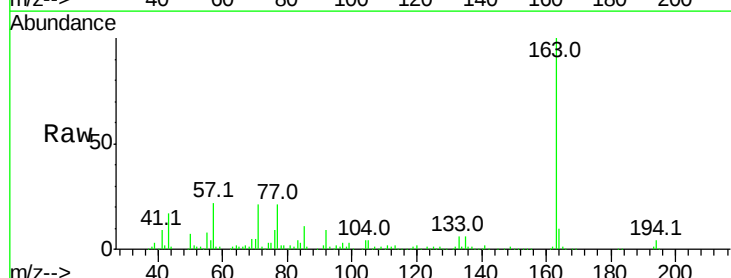
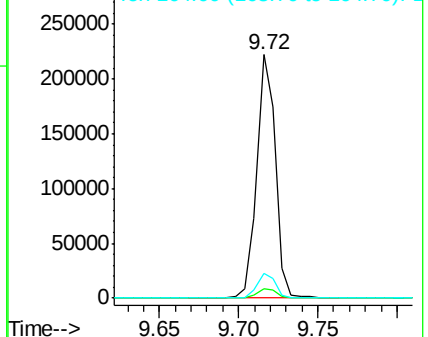
163 100

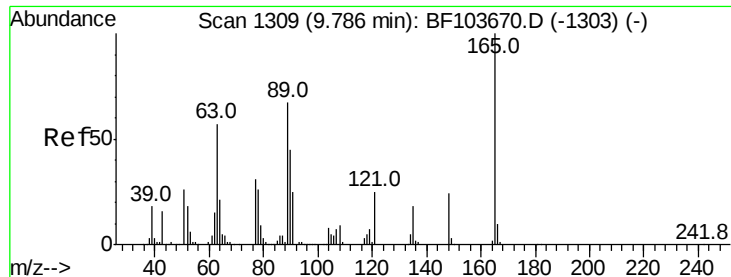
194 3.7 2.7 4.1

164 10.0 8.2 12.2



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

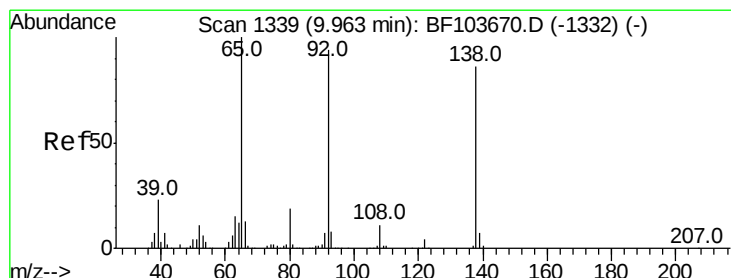
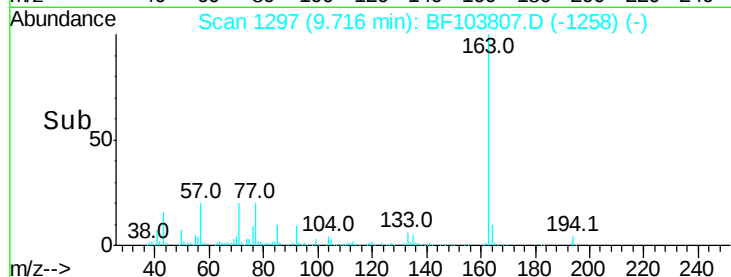
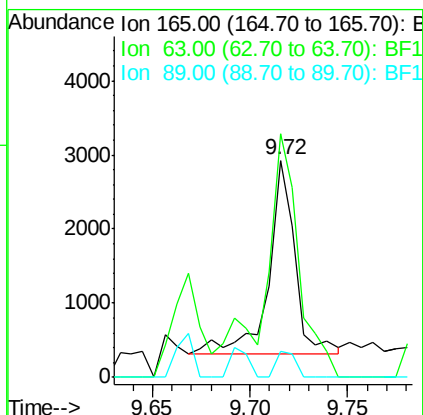
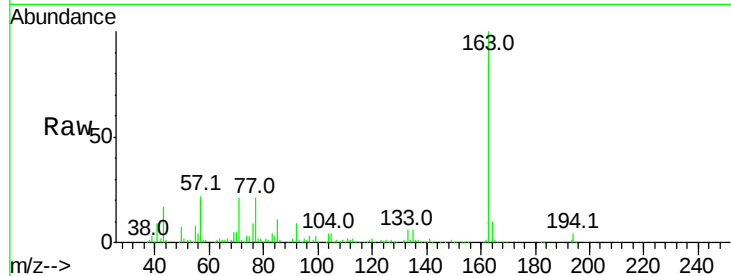




#50
 2,6-Dinitrotoluene
 Concen: 4.535 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.07 min
 Lab File: BF103807.D
 Acq: 20 Mar 2018 17:31

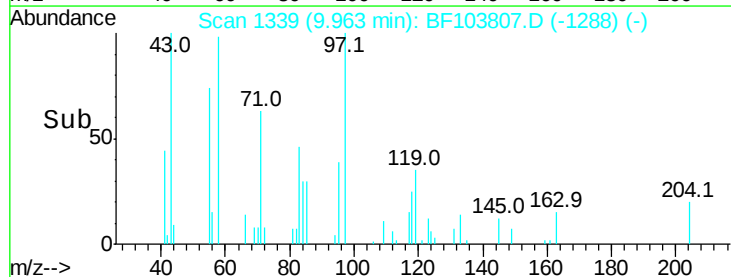
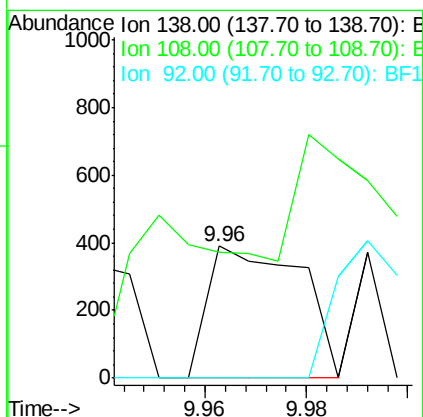
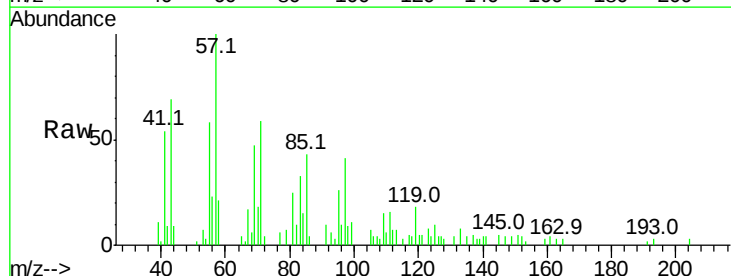
Instrument :
 BNA_F
 ClientSampleId :

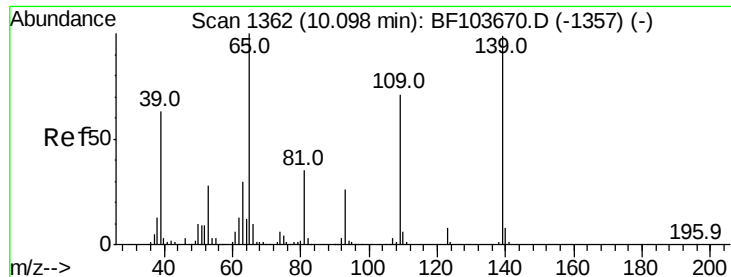
Tot Ion:165 Resp: 2421
 Ion Ratio Lower Upper
 165 100
 63 112.4 44.7 67.1#
 89 11.7 44.0 66.0#



#52
 3-Nitroaniline
 Concen: 3.908 ng
 RT: 9.96 min Scan# 1339
 Delta R.T. 0.00 min
 Lab File: BF103807.D
 Acq: 20 Mar 2018 17:31

Tgt Ion:138 Resp: 492
 Ion Ratio Lower Upper
 138 100
 108 95.6 9.4 14.0#
 92 0.0 89.4 134.2#

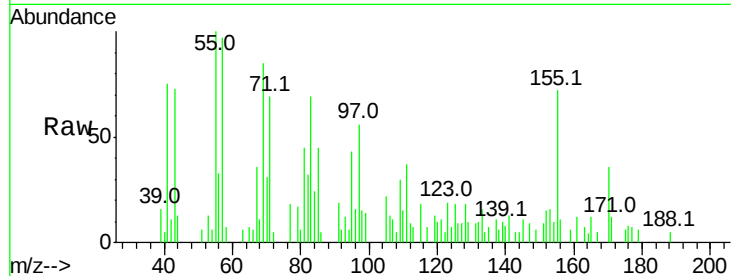




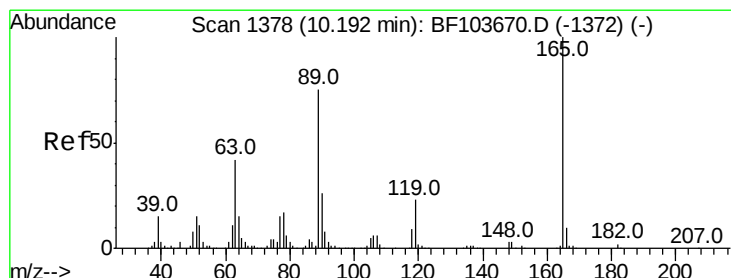
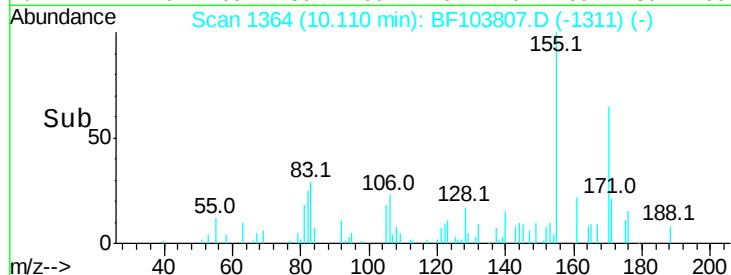
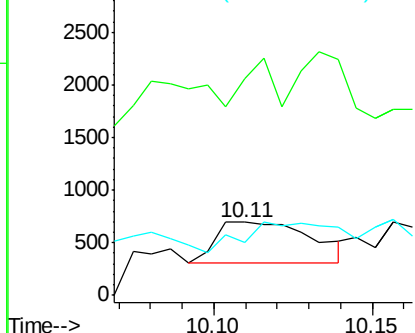
#55
4-Nitrophenol
Concen: 5.169 ng
RT: 10.11 min Scan# 1364
Delta R.T. 0.01 min
Lab File: BF103807.D
Acq: 20 Mar 2018 17:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 810
Ion Ratio Lower Upper
139 100
109 295.3 48.4 88.4#
65 72.4 72.6 112.6#

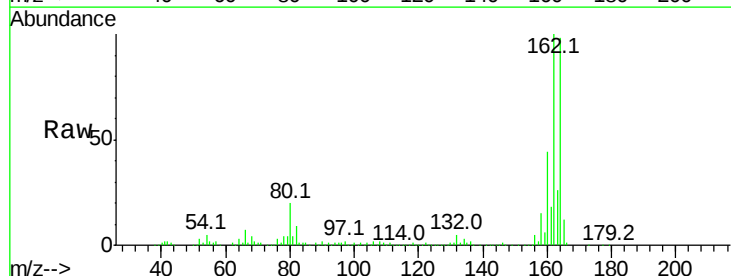


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

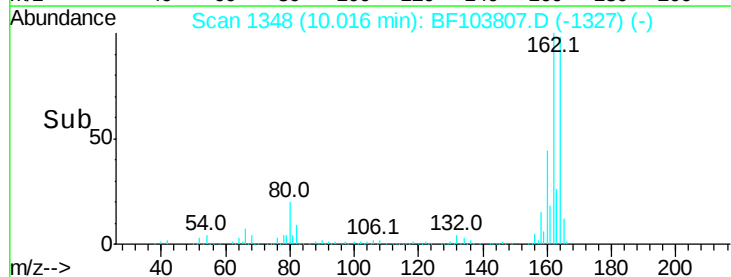
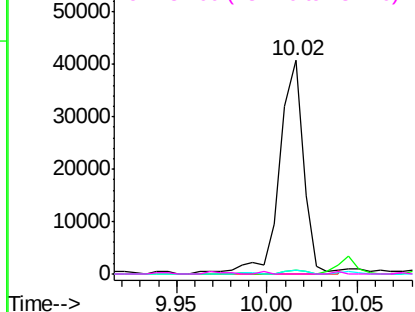


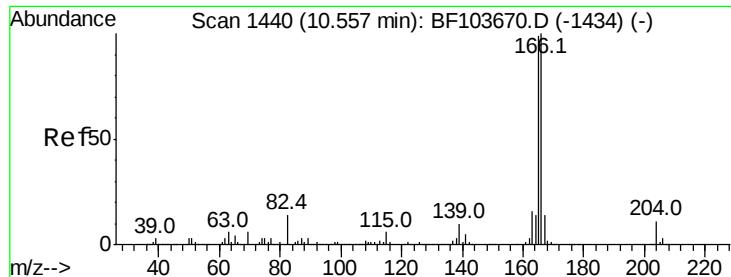
#56
2,4-Dinitrotoluene
Concen: 12.689 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.18 min
Lab File: BF103807.D
Acq: 20 Mar 2018 17:31

Tgt Ion:165 Resp: 37929
Ion Ratio Lower Upper
165 100
63 1.7 36.4 54.6#
89 1.9 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

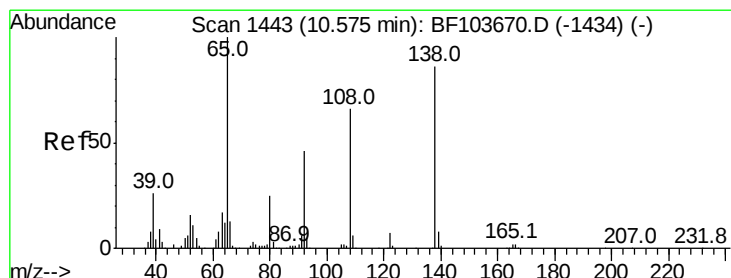
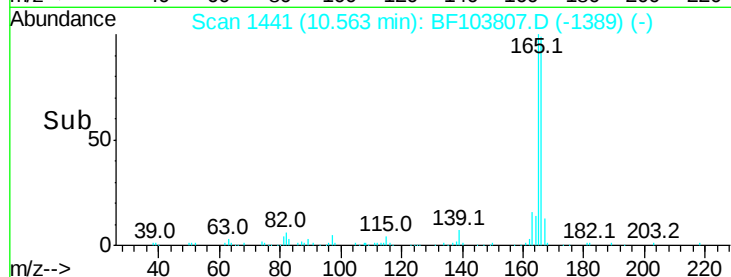
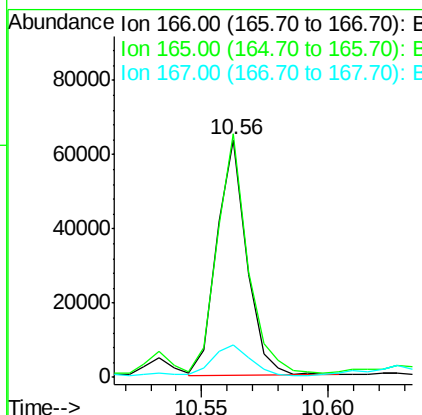
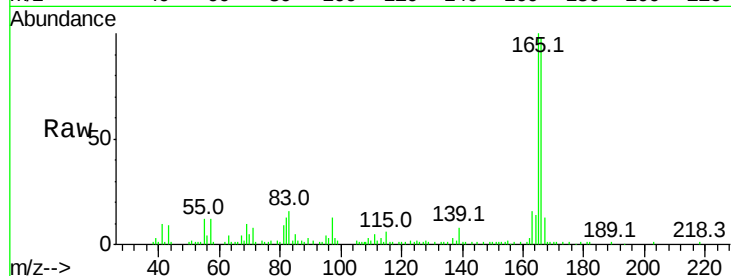




#57
Fluorene
Concen: 2.823 ng
RT: 10.56 min Scan# 1441
Delta R.T. 0.01 min
Lab File: BF103807.D
Acq: 20 Mar 2018 17:31

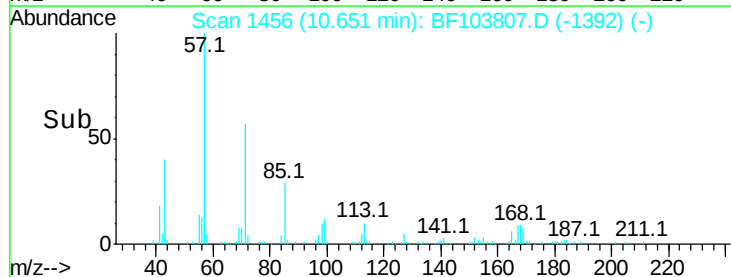
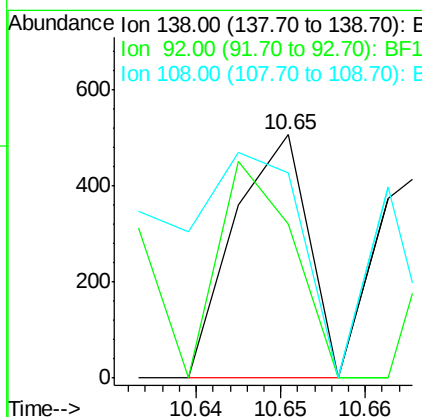
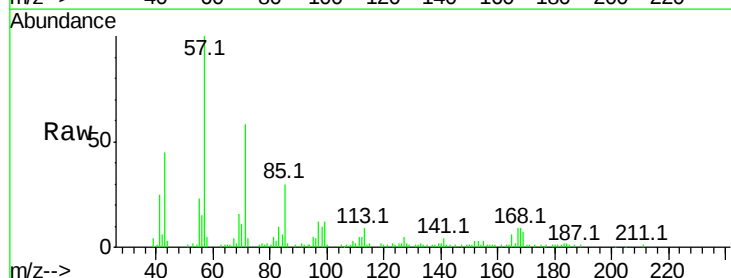
Instrument :
BNA_F
ClientSampleId :

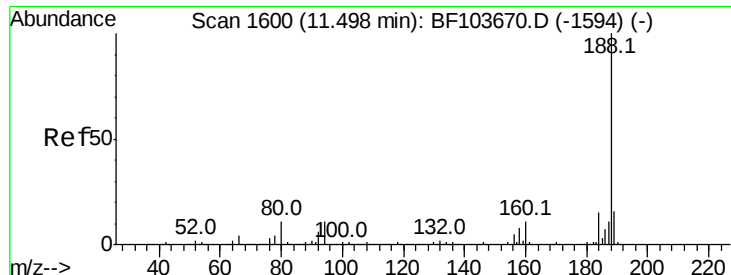
Tot Ion:166 Resp: 52032
Ion Ratio Lower Upper
166 100
165 102.4 79.8 119.8
167 13.7 10.6 16.0



#61
4-Nitroaniline
Concen: 3.810 ng
RT: 10.65 min Scan# 1456
Delta R.T. 0.08 min
Lab File: BF103807.D
Acq: 20 Mar 2018 17:31

Tgt Ion:138 Resp: 306
Ion Ratio Lower Upper
138 100
92 63.1 30.2 70.2
108 84.2 52.5 92.5

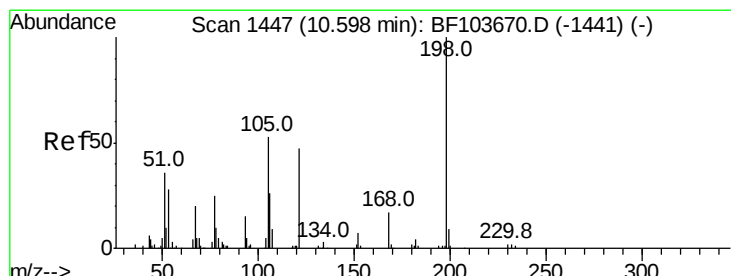
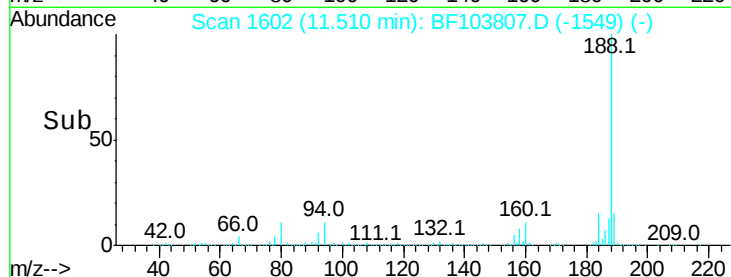
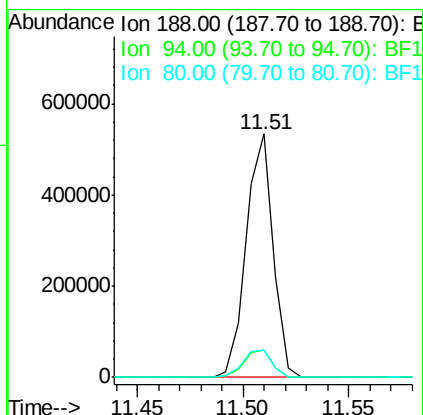
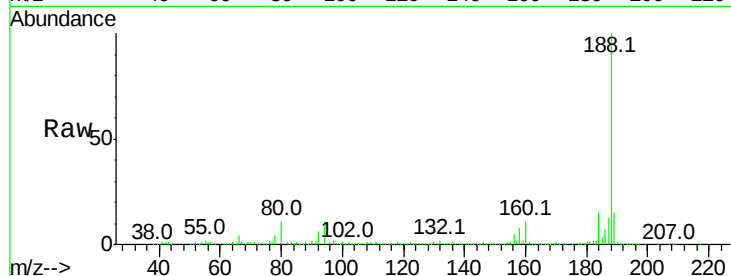




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1602
Delta R.T. 0.01 min
Lab File: BF103807.D
Acq: 20 Mar 2018 17:31

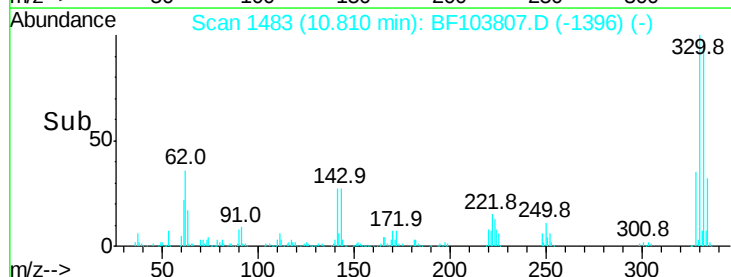
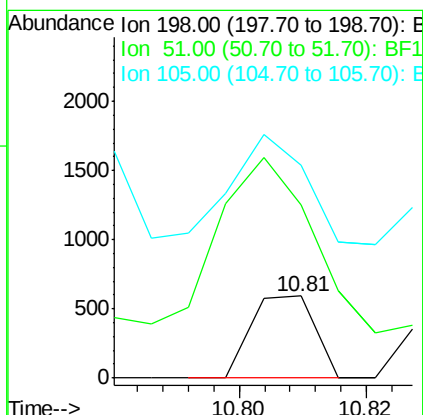
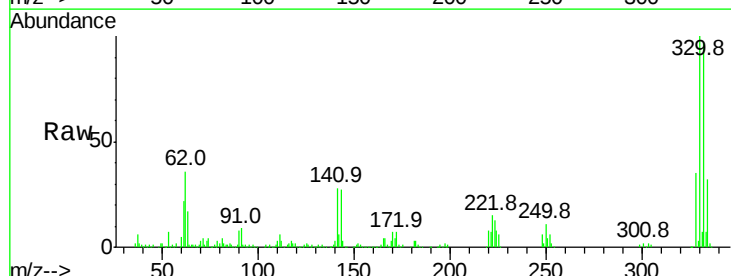
Instrument :
BNA_F
ClientSampleId :

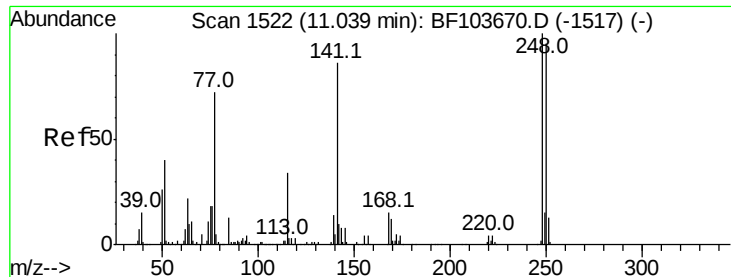
Tot Ion:188 Resp: 470075
Ion Ratio Lower Upper
188 100
94 11.1 8.5 12.7
80 11.4 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 8.380 ng
RT: 10.81 min Scan# 1483
Delta R.T. 0.21 min
Lab File: BF103807.D
Acq: 20 Mar 2018 17:31

Tgt Ion:198 Resp: 414
Ion Ratio Lower Upper
198 100
51 211.3 37.7 77.7#
105 258.4 36.3 76.3#

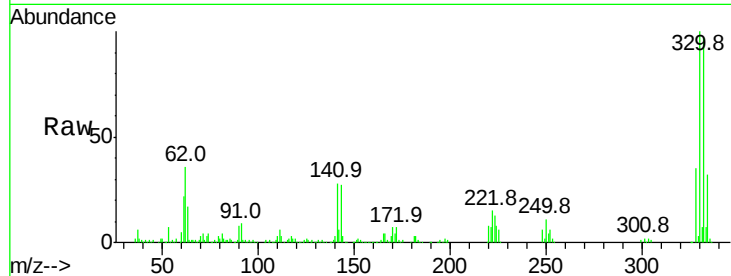




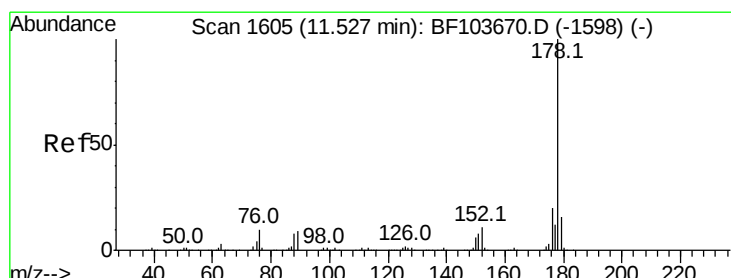
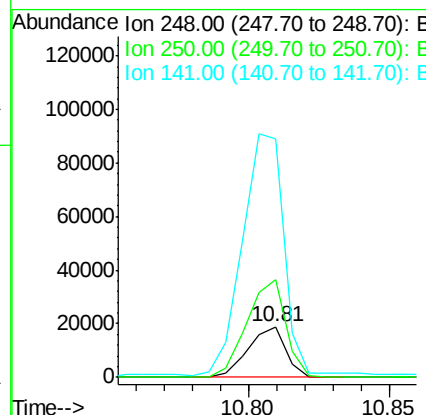
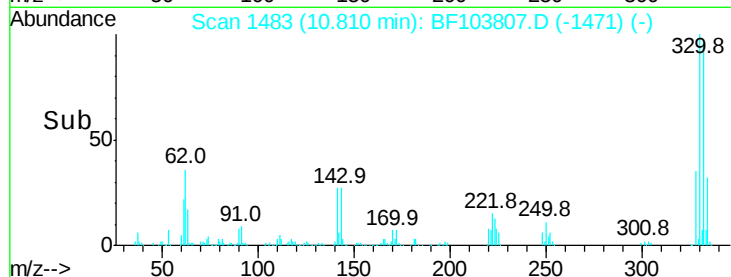
#66
4-Bromophenyl-phenylether
Concen: 3.624 ng
RT: 10.81 min Scan# 1483
Delta R.T. -0.23 min
Lab File: BF103807.D
Acq: 20 Mar 2018 17:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 17491
Ion Ratio Lower Upper
248 100
250 193.9 76.9 115.3#
141 470.0 74.4 111.6#

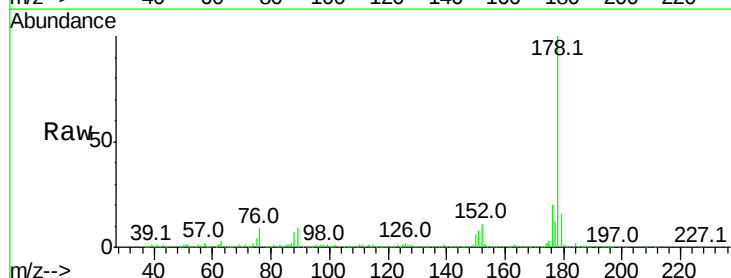


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

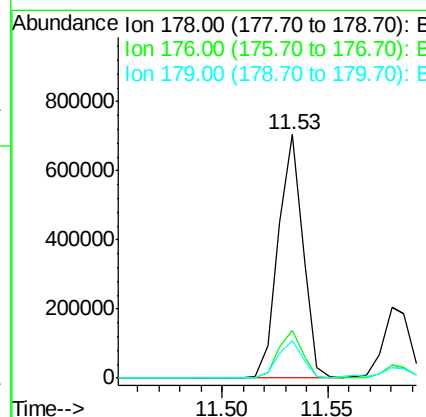
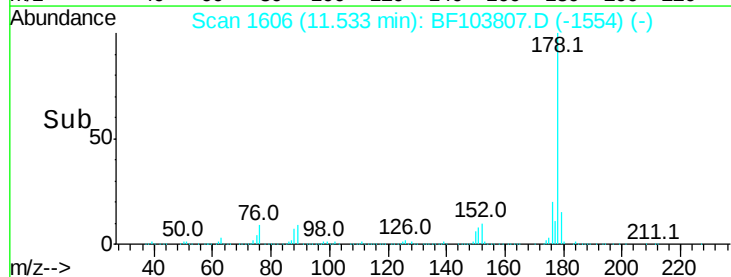


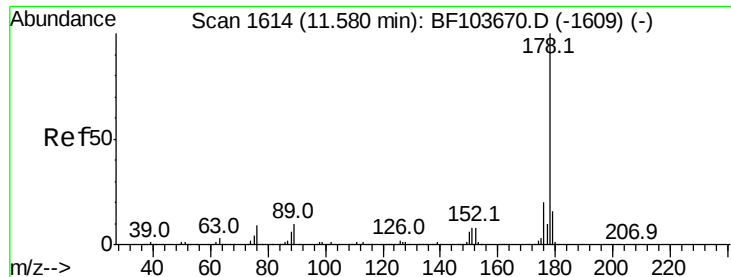
#70
Phenanthrene
Concen: 22.142 ng
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: BF103807.D
Acq: 20 Mar 2018 17:31

Tgt Ion:178 Resp: 569360
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.8
179 15.7 13.0 19.6



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





#71

Anthracene

Concen: 6.786 ng

RT: 11.58 min Scan# 1614

Delta R.T. -0.00 min

Lab File: BF103807.D

Acq: 20 Mar 2018 17:31

Instrument :

BNA_F

ClientSampleId :

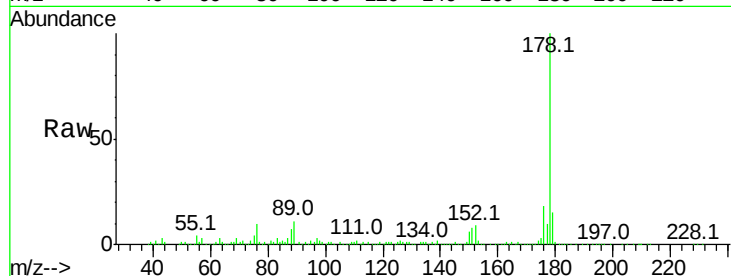
Tot Ion:178 Resp: 177236

Ion Ratio Lower Upper

178 100

176 18.1 15.4 23.2

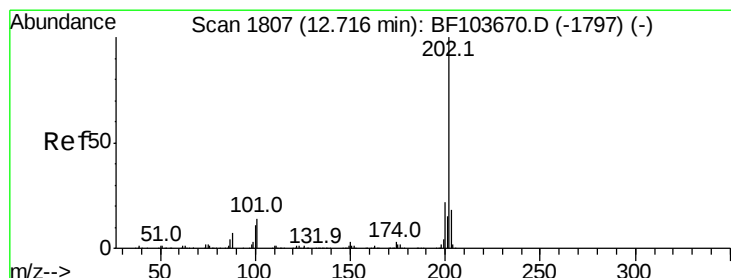
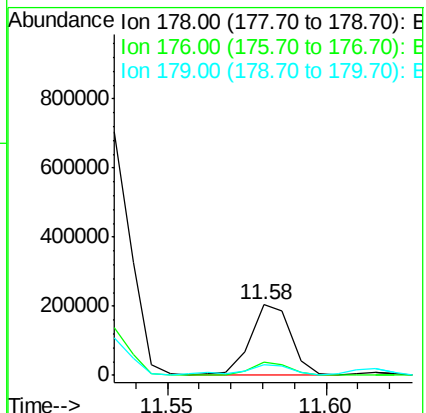
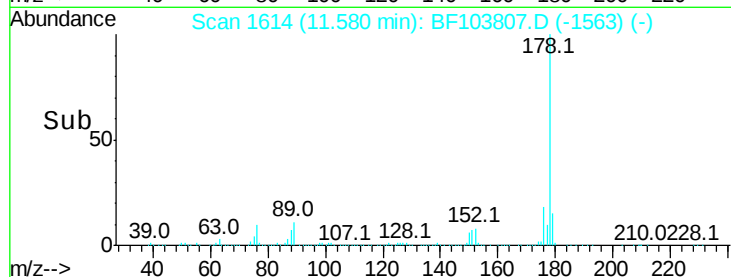
179 15.5 12.6 19.0



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: 28.945 ng

RT: 12.73 min Scan# 1809

Delta R.T. 0.01 min

Lab File: BF103807.D

Acq: 20 Mar 2018 17:31

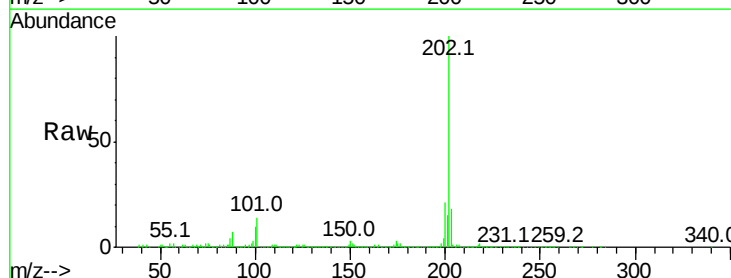
Tgt Ion:202 Resp: 766784

Ion Ratio Lower Upper

202 100

101 14.3 0.0 34.1

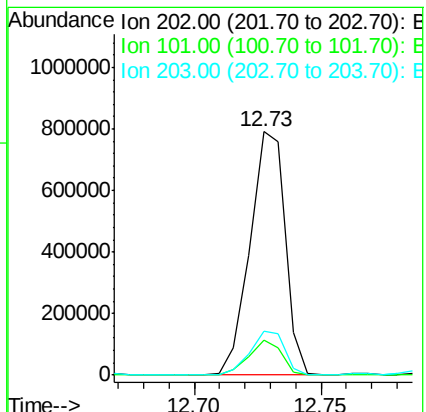
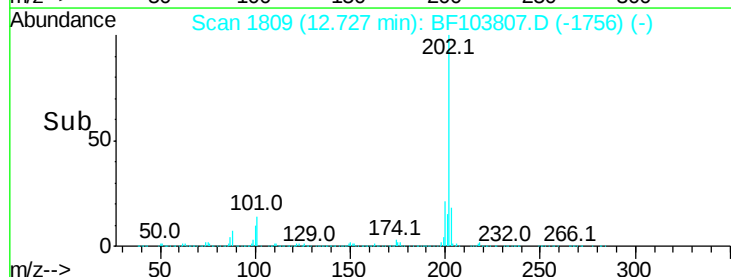
203 18.1 0.0 38.1

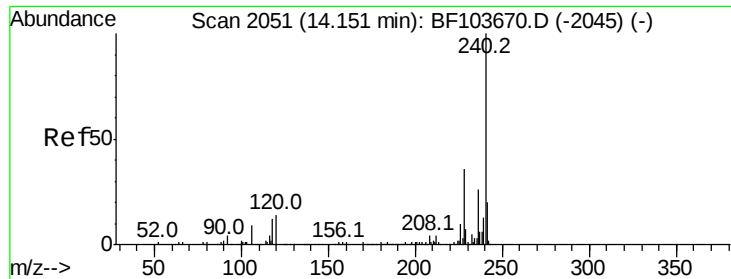


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2053

Delta R.T. 0.01 min

Lab File: BF103807.D

Acq: 20 Mar 2018 17:31

Instrument :

BNA_F

ClientSampleId :

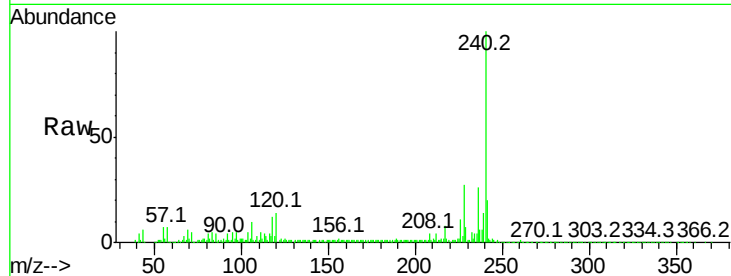
Tot Ion:240 Resp: 260547

Ion Ratio Lower Upper

240 100

120 14.0 9.5 14.3

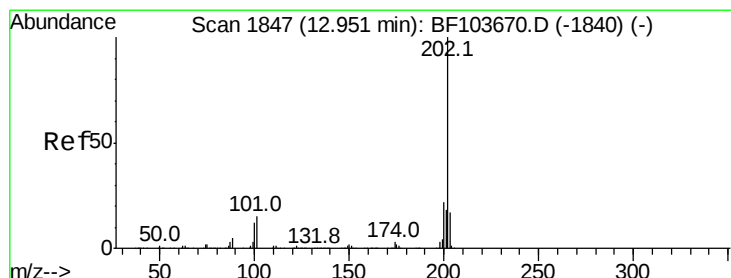
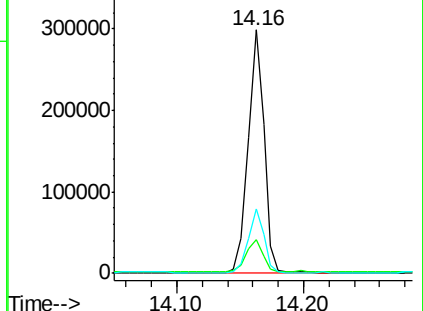
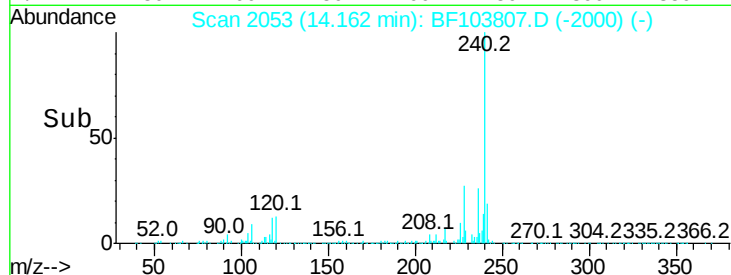
236 26.3 20.7 31.1



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

Pyrene

Concen: 37.979 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.01 min

Lab File: BF103807.D

Acq: 20 Mar 2018 17:31

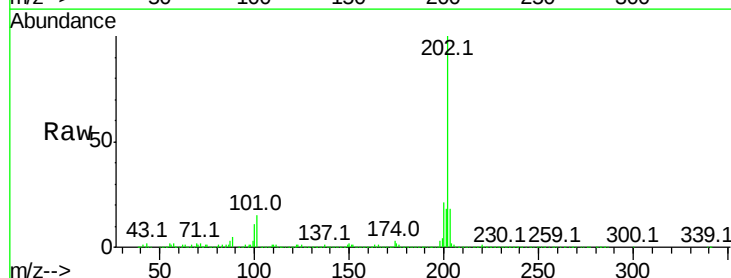
Tgt Ion:202 Resp: 726697

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

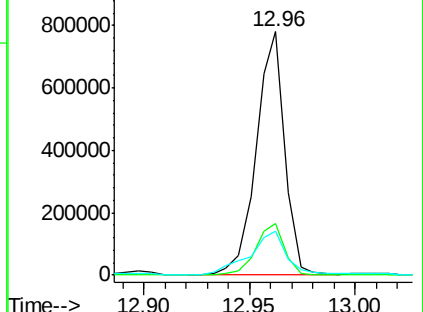
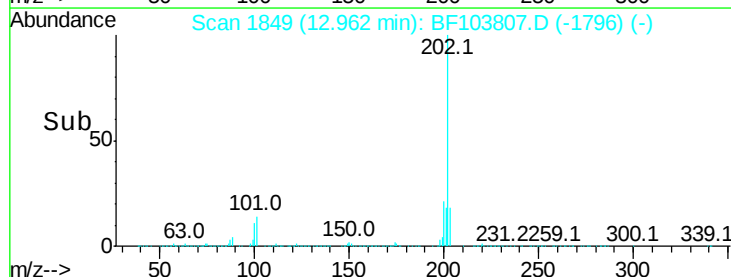
203 17.9 14.3 21.5

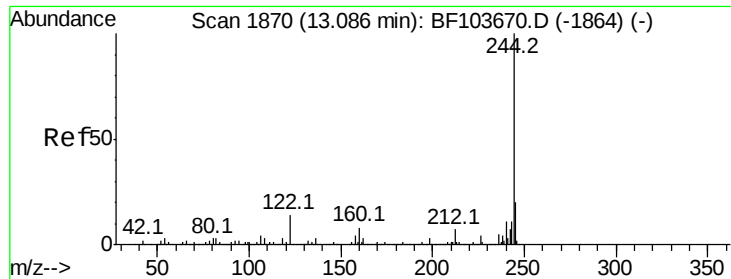


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

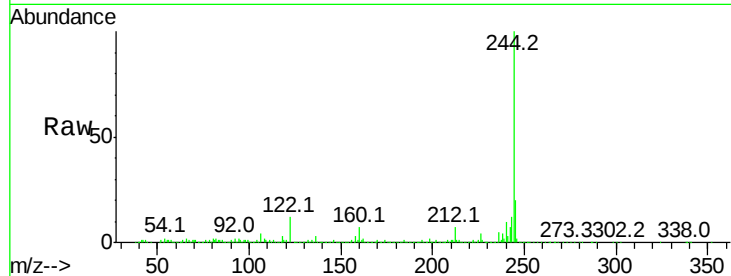




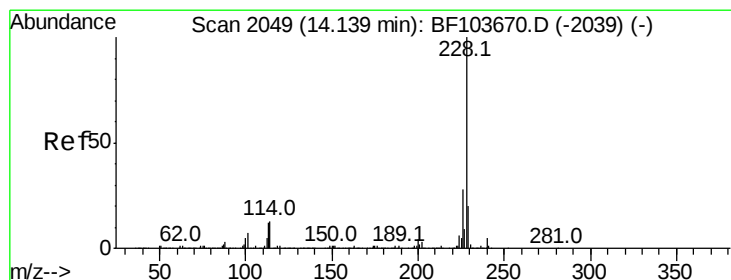
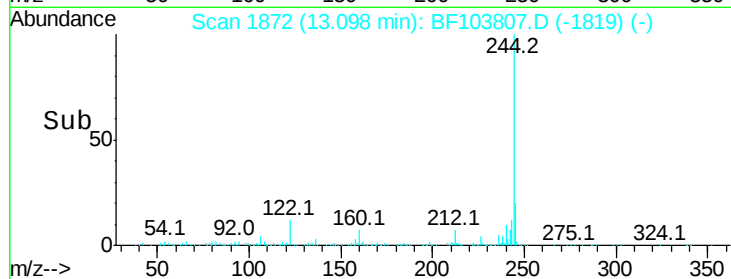
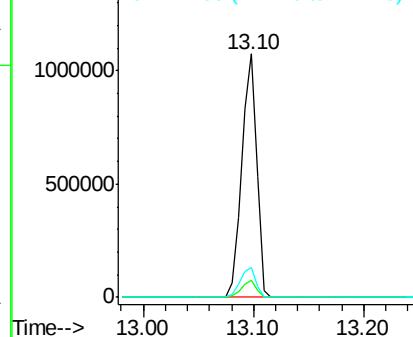
#78
 Terphenyl-d14
 Concen: 91.486 ng
 RT: 13.10 min Scan# 1872
 Delta R.T. 0.01 min
 Lab File: BF103807.D
 Acq: 20 Mar 2018 17:31

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 1026924
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 12.0 11.0 16.4

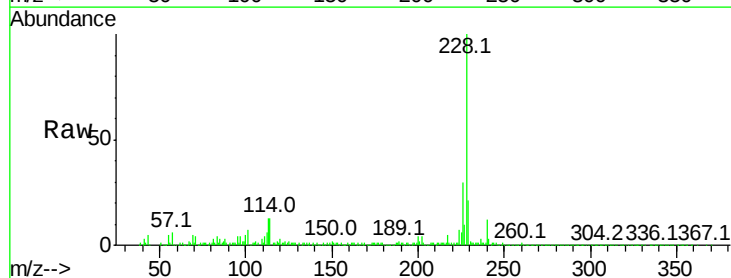


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

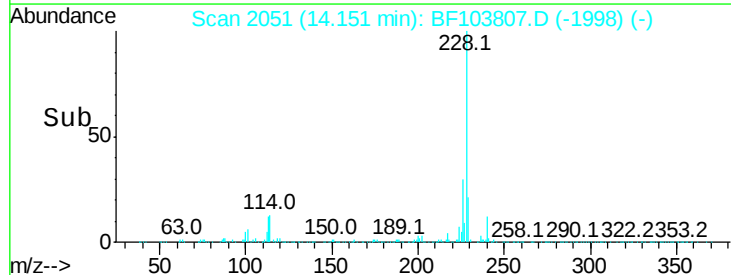
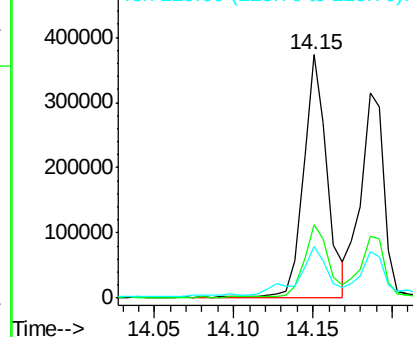


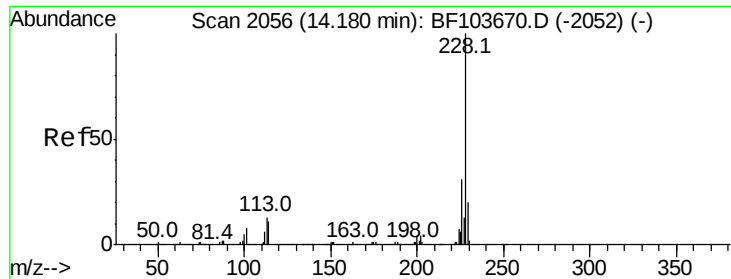
#80
 Benzo(a)anthracene
 Concen: 22.877 ng
 RT: 14.15 min Scan# 2051
 Delta R.T. 0.01 min
 Lab File: BF103807.D
 Acq: 20 Mar 2018 17:31

Tgt Ion:228 Resp: 377295
 Ion Ratio Lower Upper
 228 100
 226 30.1 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: 20.555 ng

RT: 14.19 min Scan# 2057

Delta R.T. 0.01 min

Lab File: BF103807.D

Acq: 20 Mar 2018 17:31

Instrument :

BNA_F

ClientSampleId :

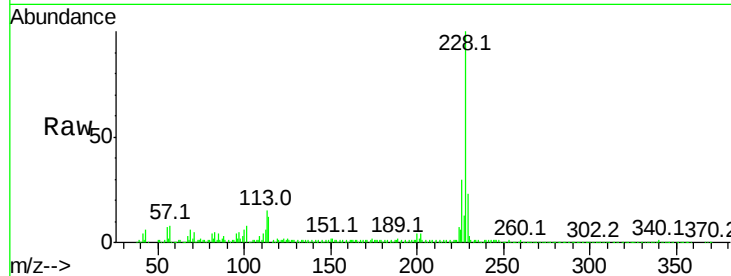
Tot Ion:228 Resp: 323163

Ion Ratio Lower Upper

228 100

226 30.2 25.0 37.6

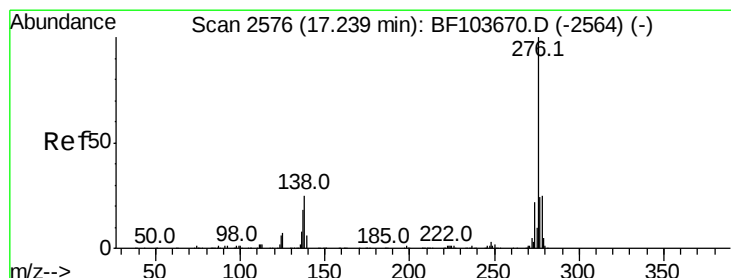
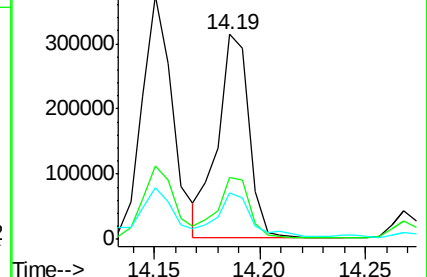
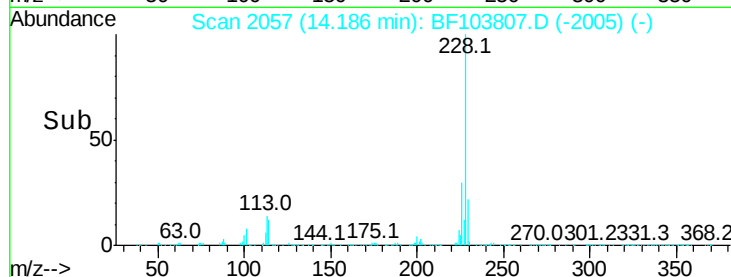
229 22.7 16.2 24.4



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: 12.363 ng

RT: 17.27 min Scan# 2582

Delta R.T. 0.04 min

Lab File: BF103807.D

Acq: 20 Mar 2018 17:31

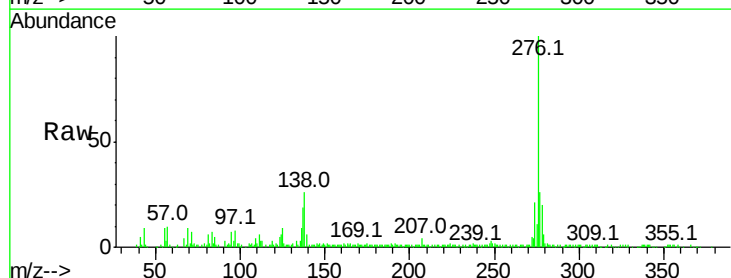
Tgt Ion:276 Resp: 169740

Ion Ratio Lower Upper

276 100

138 25.3 25.0 37.6

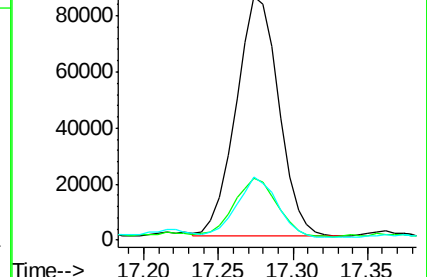
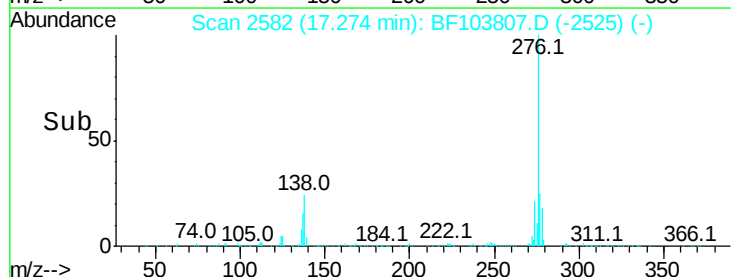
277 24.2 20.1 30.1

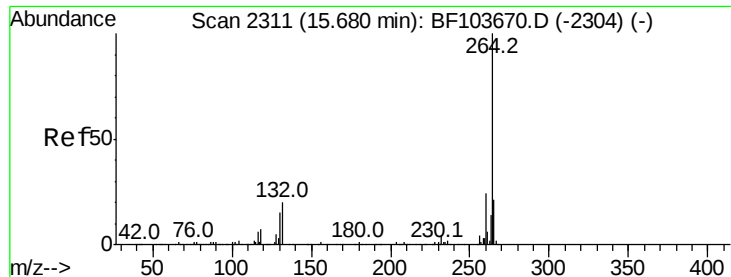


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

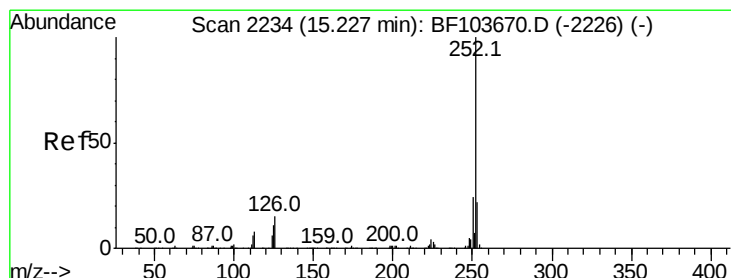
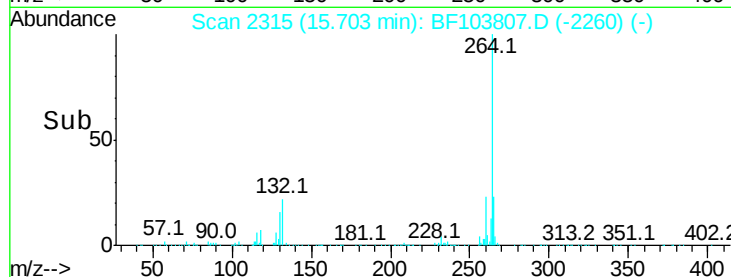
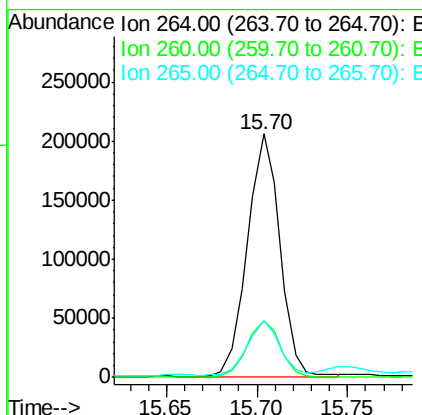
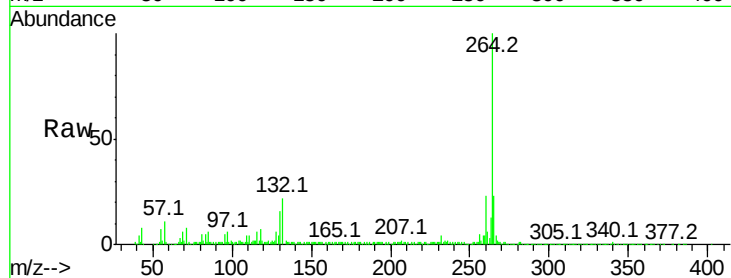




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2315
Delta R.T. 0.02 min
Lab File: BF103807.D
Acq: 20 Mar 2018 17:31

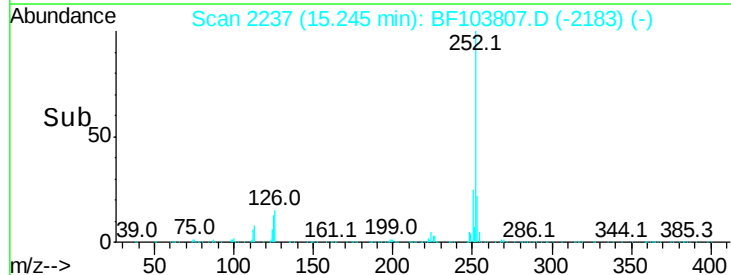
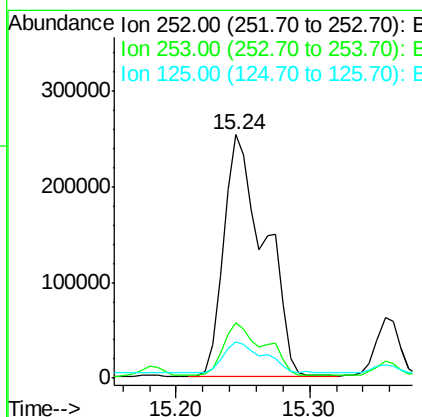
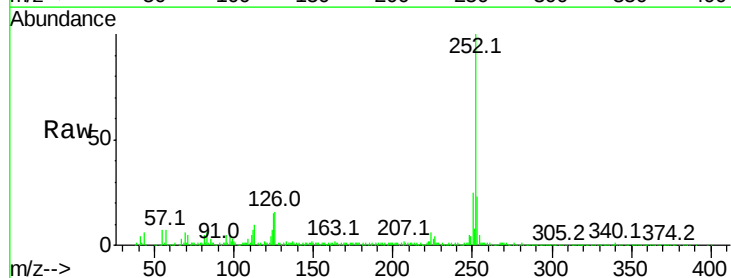
Instrument :
BNA_F
ClientSampleId :

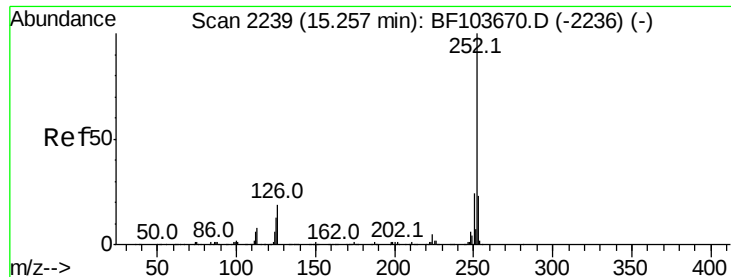
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	23.4	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 33.534 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.02 min
Lab File: BF103807.D
Acq: 20 Mar 2018 17:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	15.1	9.0	13.6

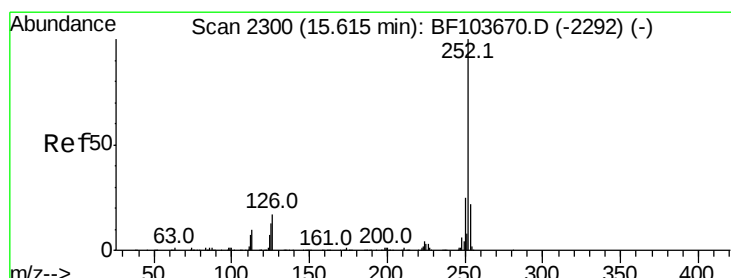
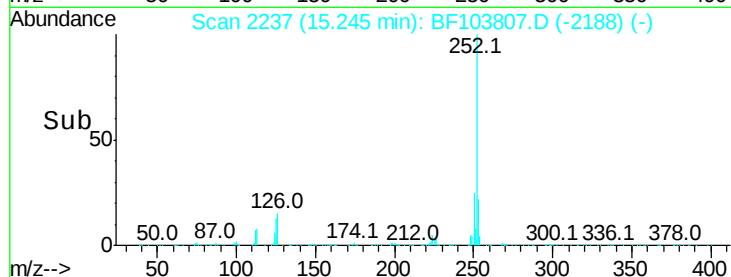
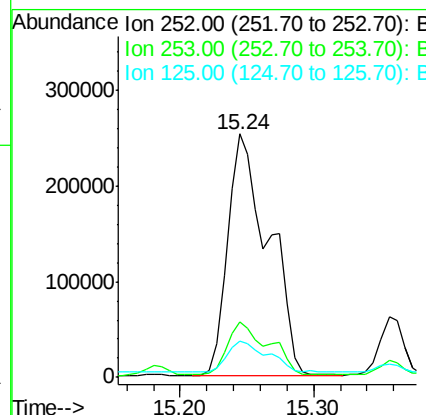
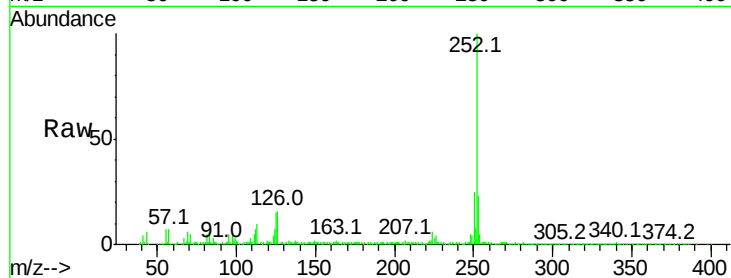




#88
Benzo(k)fluoranthene
Concen: 34.886 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.01 min
Lab File: BF103807.D
Acq: 20 Mar 2018 17:31

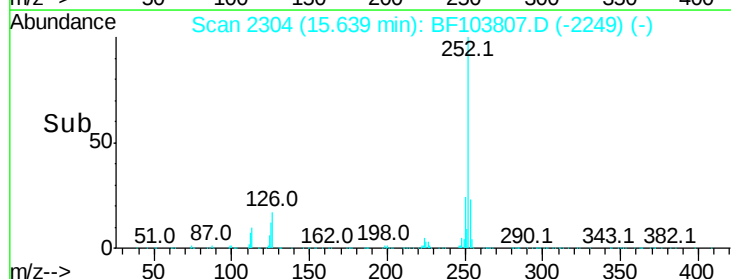
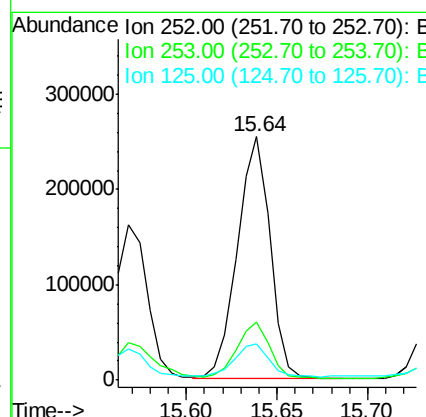
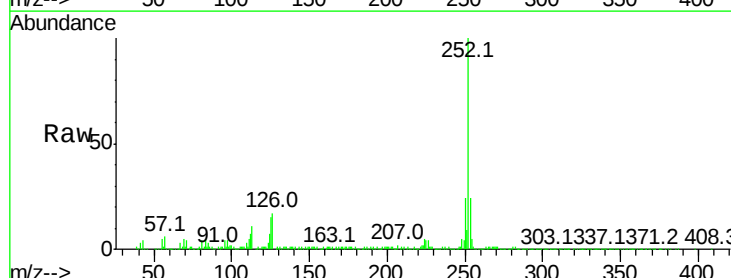
Instrument :
BNA_F
ClientSampleId :

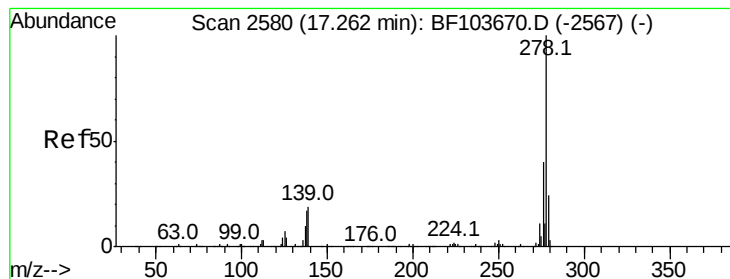
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	15.1	10.2	15.2



#89
Benzo(a)pyrene
Concen: 21.731 ng
RT: 15.64 min Scan# 2304
Delta R.T. 0.02 min
Lab File: BF103807.D
Acq: 20 Mar 2018 17:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	14.8	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 3.459 ng

RT: 17.29 min Scan# 2584

Delta R.T. 0.02 min

Lab File: BF103807.D

Acq: 20 Mar 2018 17:31

Instrument :

BNA_F

ClientSampleId :

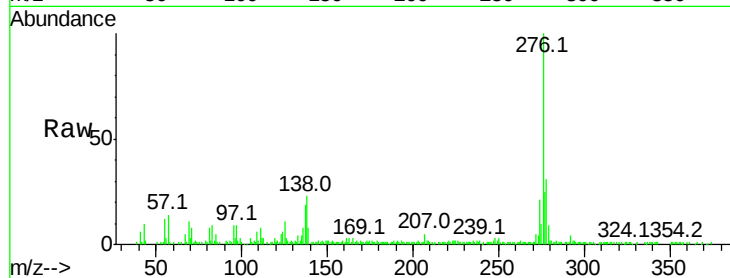
Tot Ion:278 Resp: 43865

Ion Ratio Lower Upper

278 100

139 25.6 15.9 23.9#

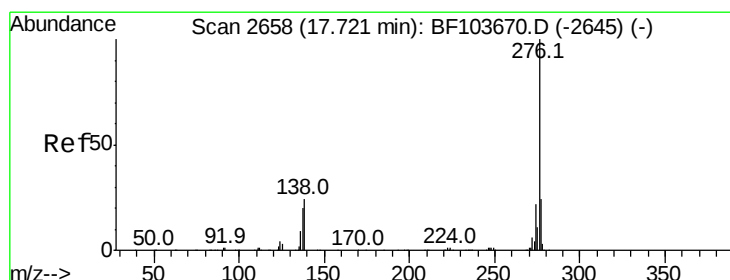
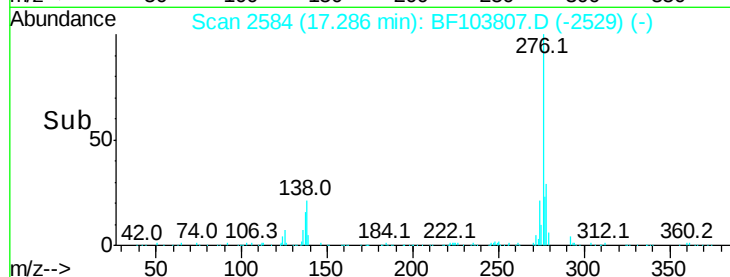
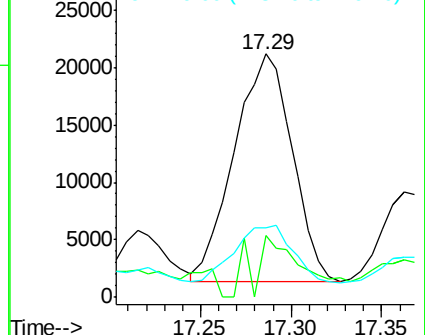
279 28.4 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 12.913 ng

RT: 17.76 min Scan# 2664

Delta R.T. 0.04 min

Lab File: BF103807.D

Acq: 20 Mar 2018 17:31

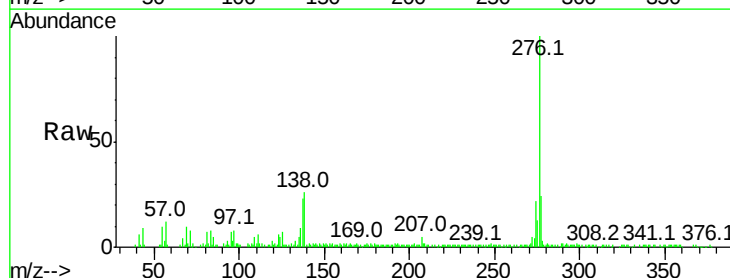
Tgt Ion:276 Resp: 159291

Ion Ratio Lower Upper

276 100

277 24.5 17.9 26.9

138 25.7 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

