

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031618\
 Data File : BF103717.D
 Acq On : 17 Mar 2018 00:40
 Operator : JU/SJ
 Sample : J1945-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 17 03:23:01 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	172281	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	688620	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	296078	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	437082	20.00	ng	0.00
75) Chrysene-d12	14.15	240	324342	20.00	ng	0.00
86) Perylene-d12	15.69	264	256991	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	1159557	102.37	ng	0.01
7) Phenol-d6	6.59	99	1407977	101.60	ng	0.00
23) Nitrobenzene-d5	7.53	82	842530	85.32	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	256232	100.65	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1237400	66.67	ng	0.00
78) Terphenyl-d14	13.09	244	893922	63.97	ng	0.00

Target Compounds

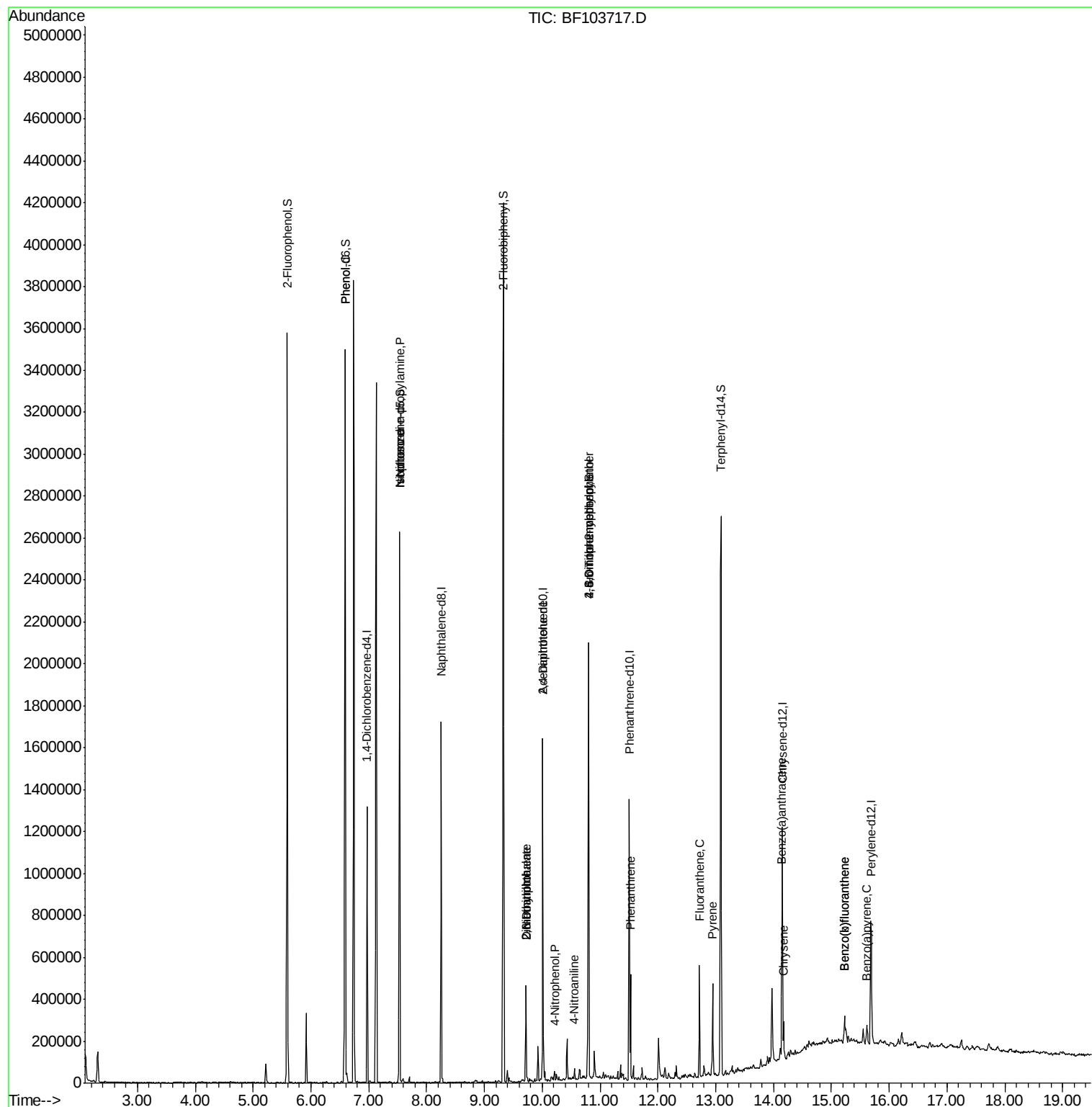
						Qvalue
10) Phenol	6.60	94	37692	2.560	ng	# 56
19) n-Nitroso-di-n-propylamine	7.53	70	111891	12.599	ng	# 75
25) Isophorone	7.53	82	842520	36.857	ng	# 64
47) 2-Nitroaniline	9.72	65	1293	7.031	ng	# 1
49) Dimethylphthalate	9.72	163	144492	6.397	ng	100
50) 2,6-Dinitrotoluene	9.72	165	1757	4.352	ng	# 17
55) 4-Nitrophenol	10.22	139	4854	6.071	ng	# 9
56) 2,4-Dinitrotoluene	10.01	165	37579	12.123	ng	# 23
61) 4-Nitroaniline	10.56	138	124	3.772	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.80	198	617	8.540	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	15808	3.523	ng	# 1
70) Phenanthrene	11.53	178	162543	6.798	ng	97
74) Fluoranthene	12.72	202	200129	8.125	ng	99
77) Pyrene	12.95	202	156608	6.575	ng	99
80) Benzo(a)anthracene	14.14	228	64146	3.124	ng	99
82) Chrysene	14.17	228	66063	3.376	ng	98
87) Benzo(b)fluoranthene	15.23	252	99759	6.144	ng	# 96
88) Benzo(k)fluoranthene	15.23	252	99759	6.392	ng	97
89) Benzo(a)pyrene	15.62	252	42134	2.861	ng	# 92

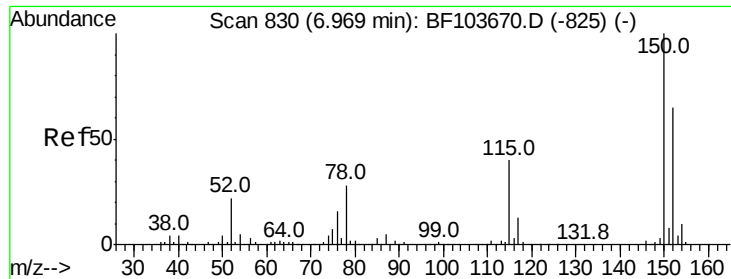
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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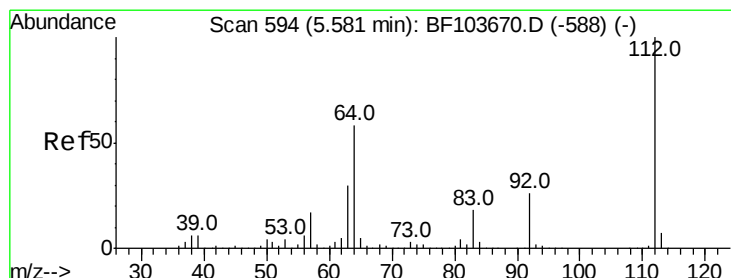
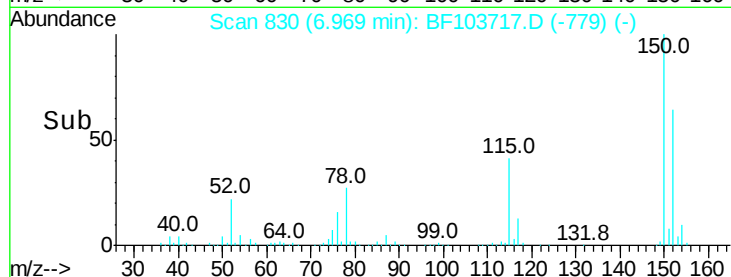
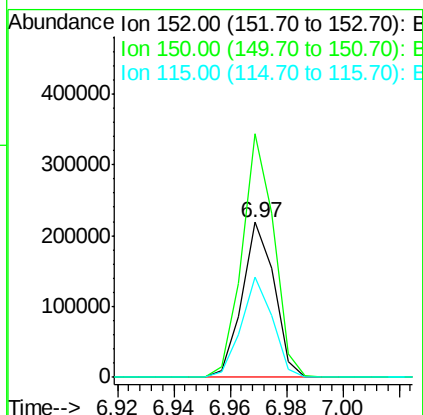
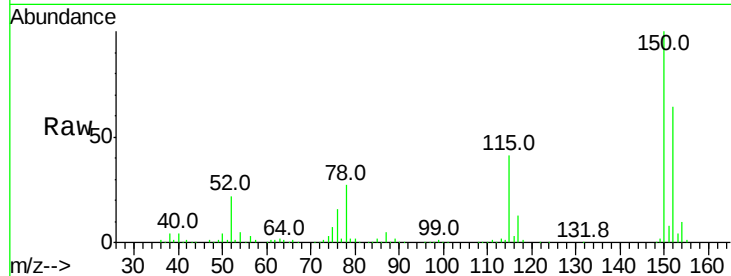


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF103717.D
Acq: 17 Mar 2018 00:40

Instrument :
BNA_F
ClientSampled :

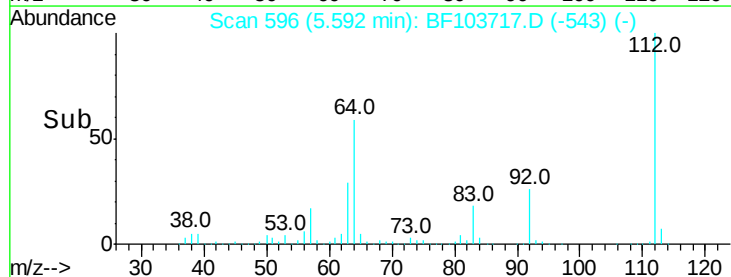
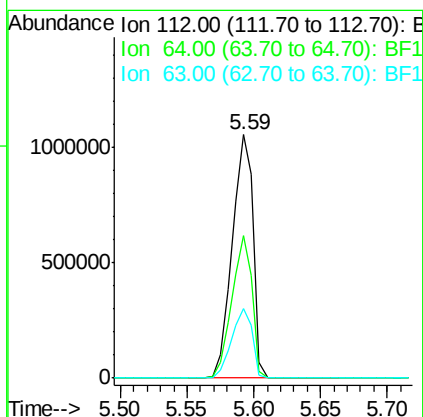
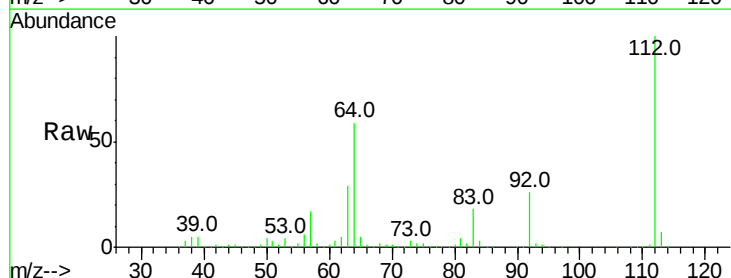
Tot Ion:152 Resp: 172281
Ion Ratio Lower Upper
152 100
150 157.2 124.6 186.8
115 64.8 50.1 75.1



#5

2-Fluorophenol
Concen: 102.372 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.01 min
Lab File: BF103717.D
Acq: 17 Mar 2018 00:40

Tgt Ion:112 Resp: 1159557
Ion Ratio Lower Upper
112 100
64 58.7 47.9 71.9
63 28.8 23.7 35.5





#7

Phenol-d6

Concen: 101.603 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.01 min

Lab File: BF103717.D

Acq: 17 Mar 2018 00:40

Instrument :

BNA_F

ClientSampleId :

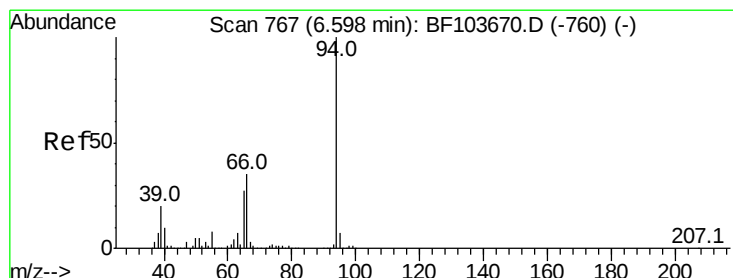
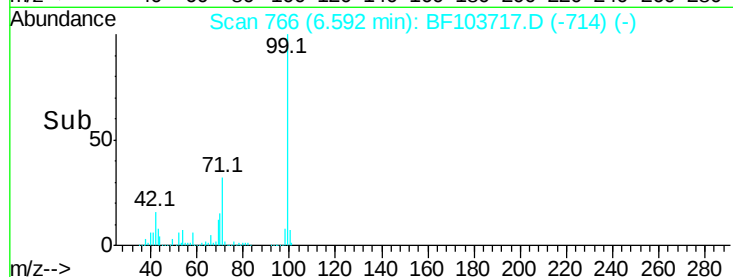
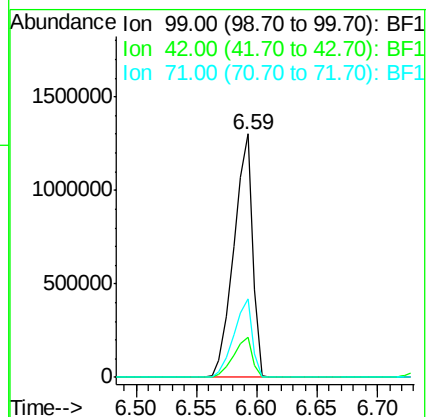
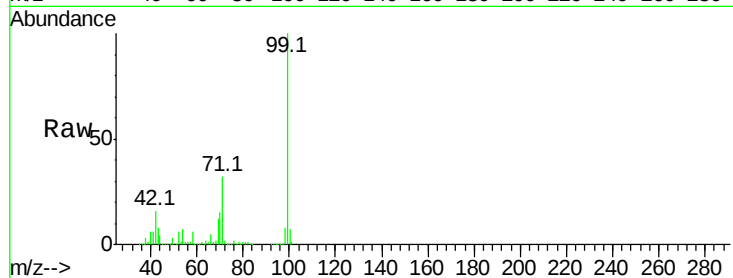
Tot Ion: 99 Resp: 1407977

Ion Ratio Lower Upper

99 100

42 16.3 14.5 21.7

71 32.1 25.4 38.0



#10

Phenol

Concen: 2.560 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF103717.D

Acq: 17 Mar 2018 00:40

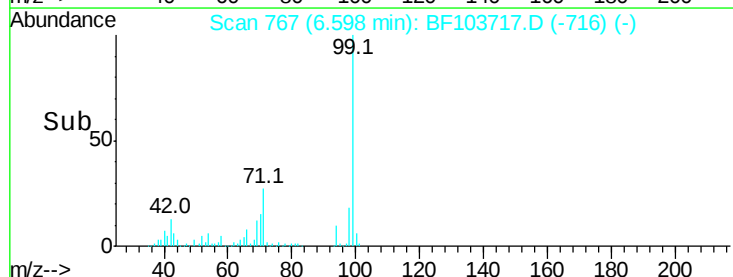
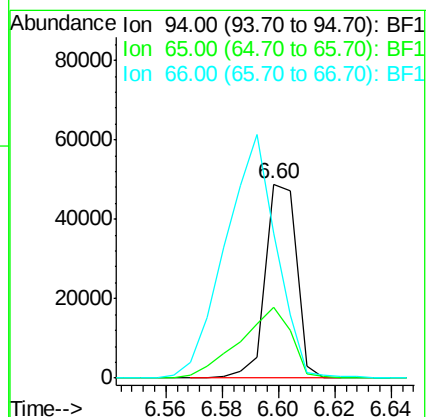
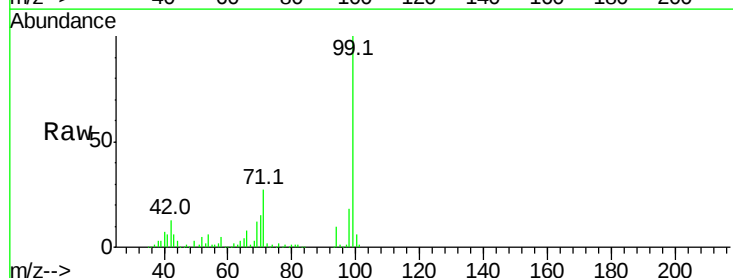
Tgt Ion: 94 Resp: 37692

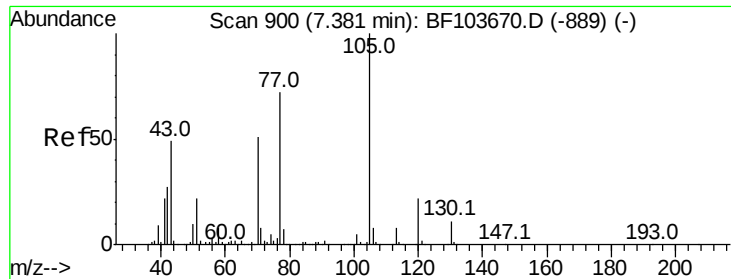
Ion Ratio Lower Upper

94 100

65 36.5 7.9 47.9

66 74.8 16.2 56.2#

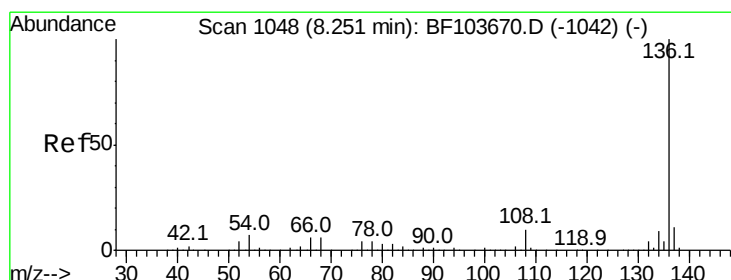
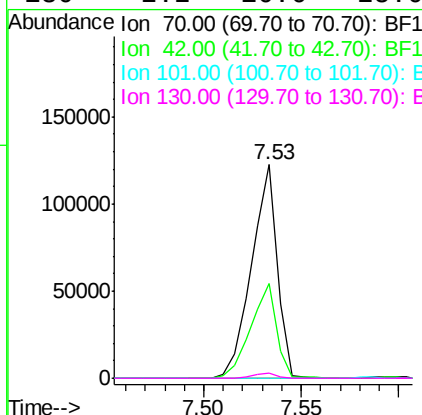
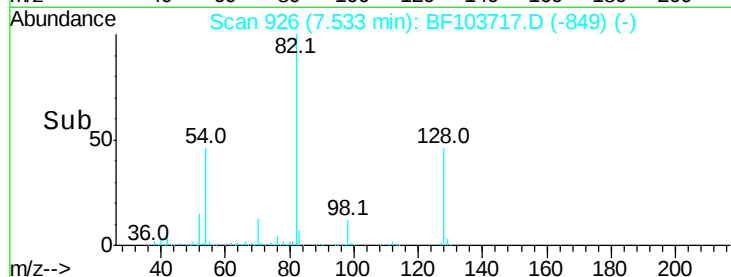
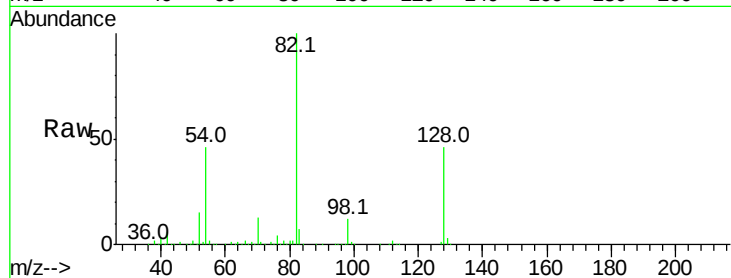




#19
n-Nitroso-di-n-propylamine
Concen: 12.599 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.15 min
Lab File: BF103717.D
Acq: 17 Mar 2018 00:40

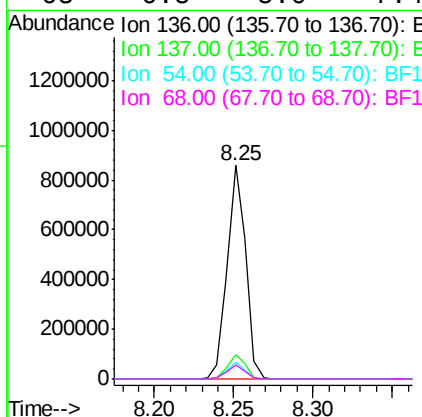
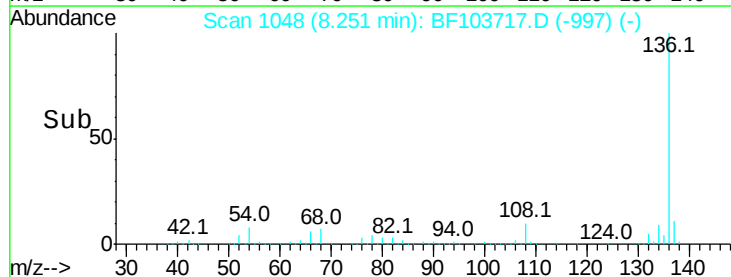
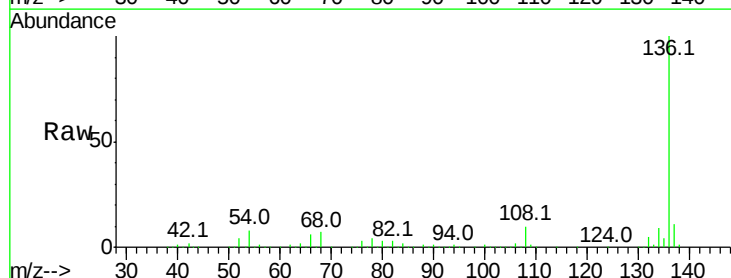
Instrument :
BNA_F
ClientSampleId :

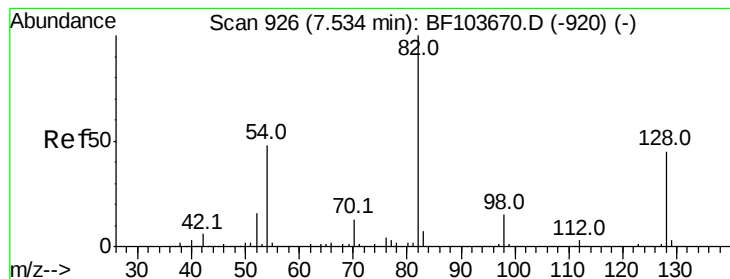
Tot Ion: 70 Resp: 111891
Ion Ratio Lower Upper
70 100
42 44.3 47.5 71.3#
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.00 min
Lab File: BF103717.D
Acq: 17 Mar 2018 00:40

Tgt Ion: 136 Resp: 688620
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.7 6.6 9.8
68 6.5 5.0 7.4





#23

Nitrobenzene-d5

Concen: 85.322 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.00 min

Lab File: BF103717.D

Acq: 17 Mar 2018 00:40

Instrument :

BNA_F

ClientSampleId :

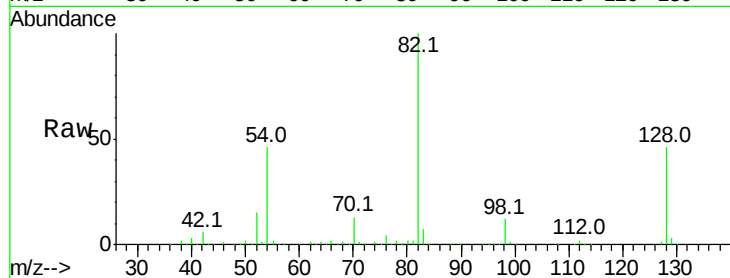
Tot Ion: 82 Resp: 842530

Ion Ratio Lower Upper

82 100

128 45.8 36.1 54.1

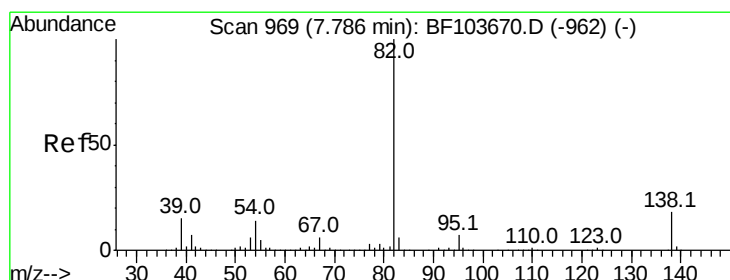
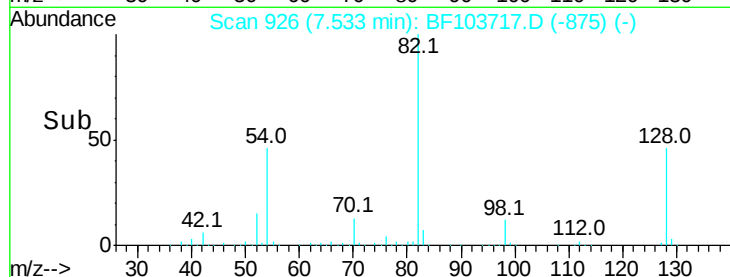
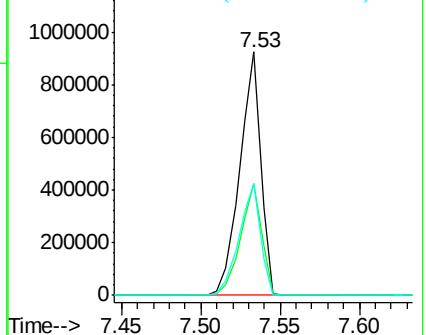
54 45.8 41.4 62.2



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: 36.857 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.25 min

Lab File: BF103717.D

Acq: 17 Mar 2018 00:40

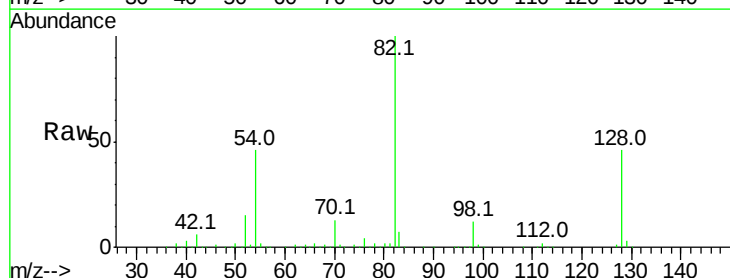
Tgt Ion: 82 Resp: 842520

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

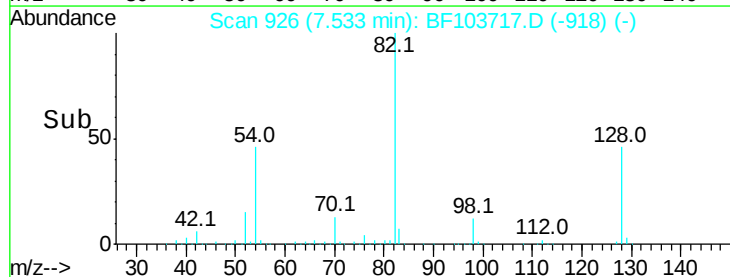
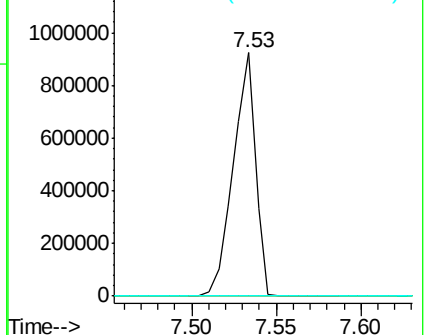
138 0.0 14.9 22.3#

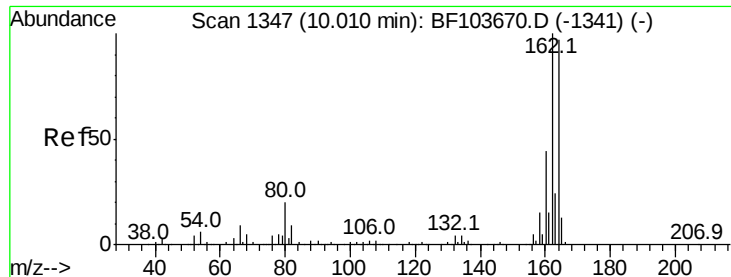


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.00 min

Lab File: BF103717.D

Acq: 17 Mar 2018 00:40

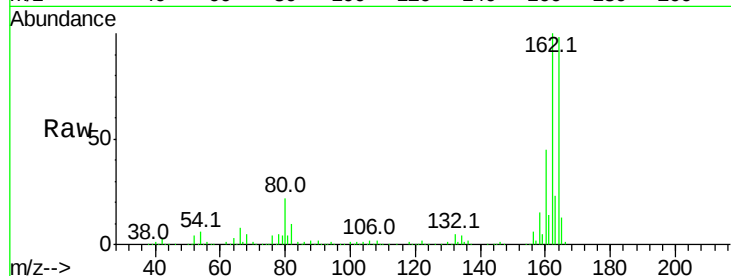
Instrument :

BNA_F

ClientSampleId :

Tot Ion:164 Resp: 296078

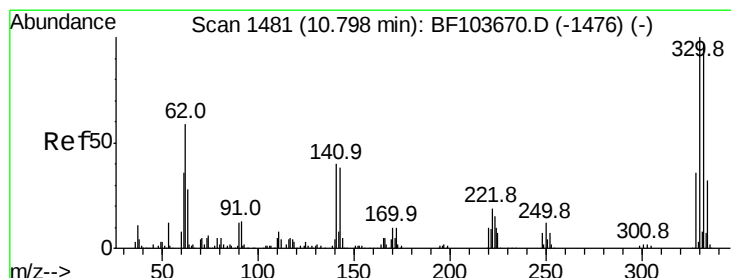
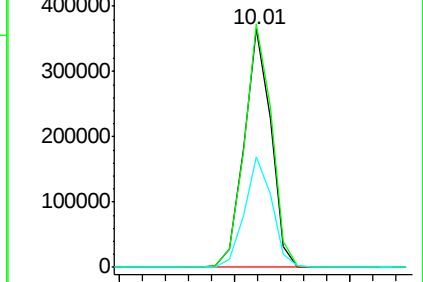
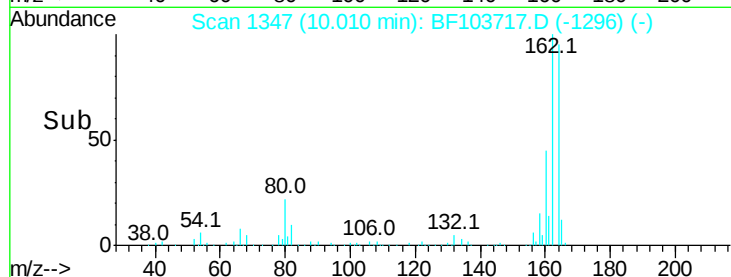
Ion	Ratio	Lower	Upper
164	100		
162	102.2	86.1	129.1
160	46.4	38.3	57.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 100.653 ng

RT: 10.80 min Scan# 1482

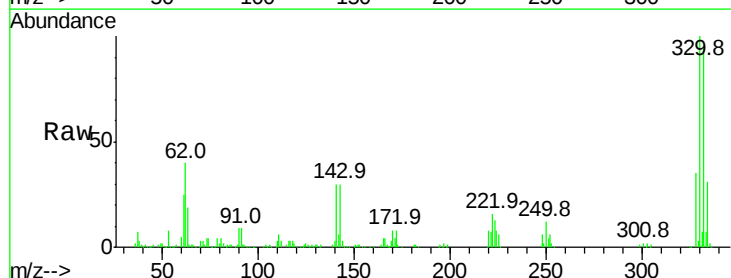
Delta R.T. 0.01 min

Lab File: BF103717.D

Acq: 17 Mar 2018 00:40

Tgt Ion:330 Resp: 256232

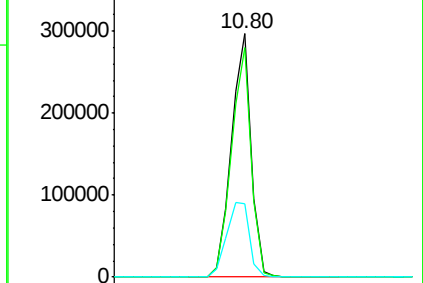
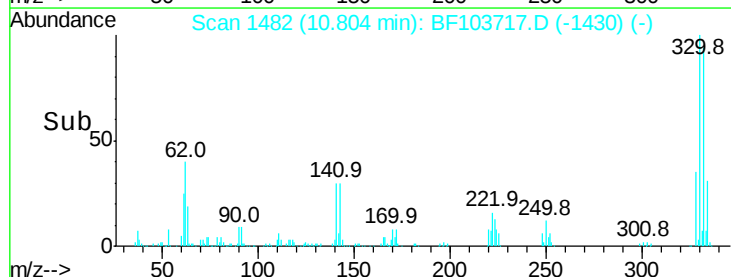
Ion	Ratio	Lower	Upper
330	100		
332	94.5	77.0	115.6
141	36.0	29.9	44.9

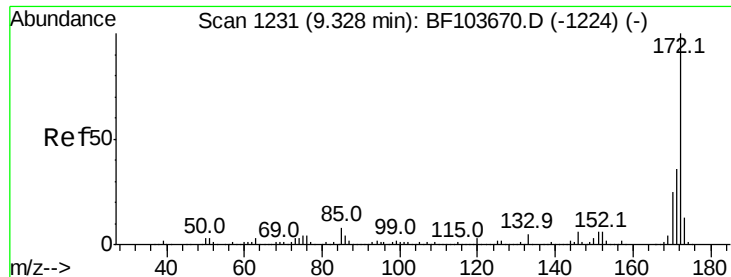


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



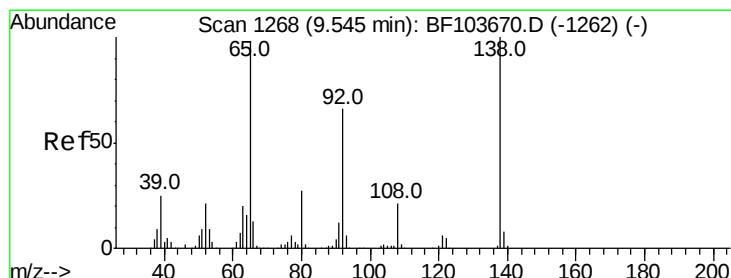
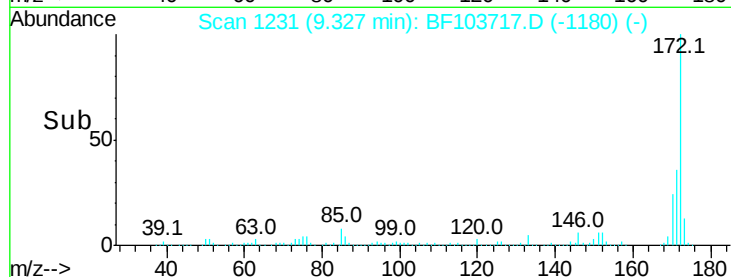
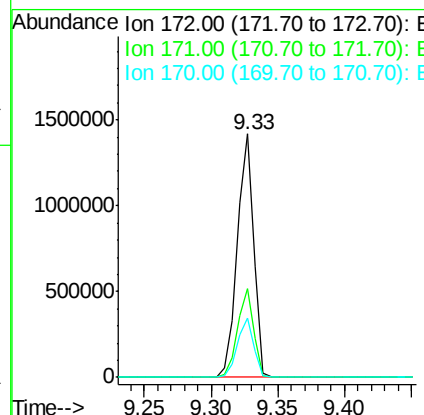
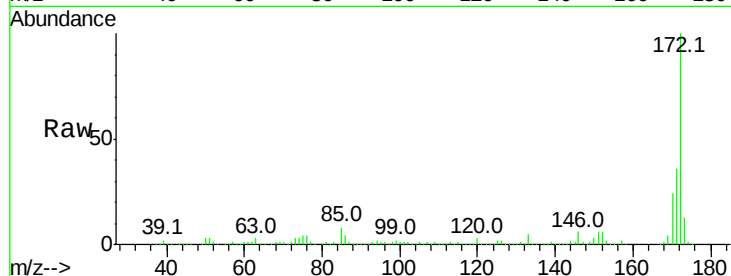


#44
 2-Fluorobiphenyl
 Concen: 66.666 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: BF103717.D
 Acq: 17 Mar 2018 00:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1237400

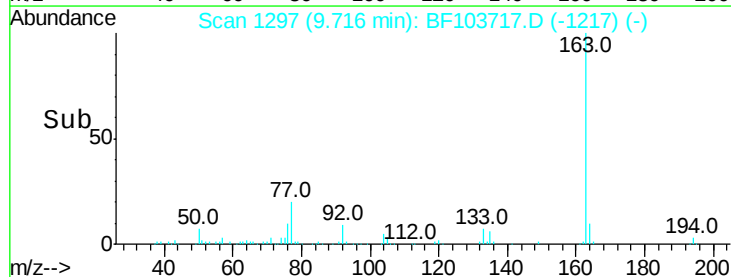
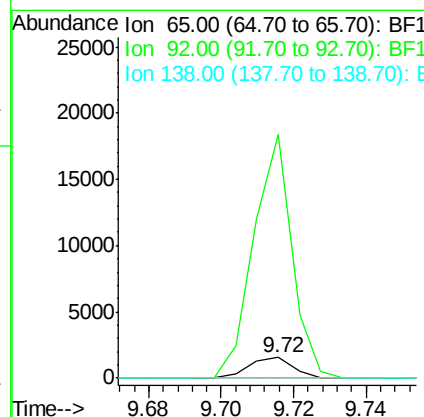
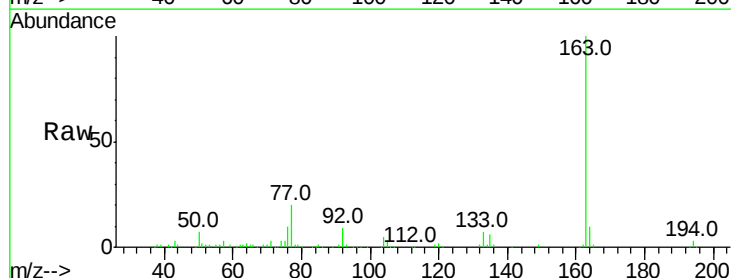
Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.2	19.6	29.4

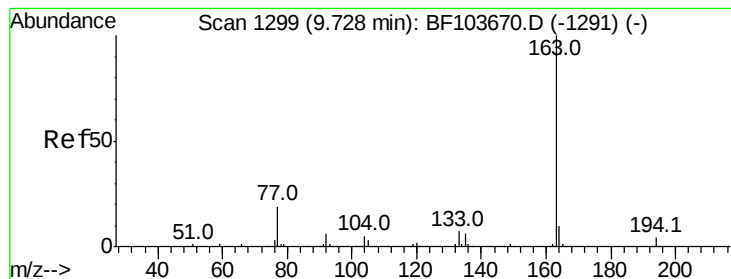


#47
 2-Nitroaniline
 Concen: 7.031 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. 0.17 min
 Lab File: BF103717.D
 Acq: 17 Mar 2018 00:40

Tgt Ion: 65 Resp: 1293

Ion	Ratio	Lower	Upper
65	100		
92	1168.2	55.8	83.6#
138	0.0	91.2	136.8#





#49

Dimethylphthalate

Concen: 6.397 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF103717.D

Acq: 17 Mar 2018 00:40

Instrument :

BNA_F

ClientSampled :

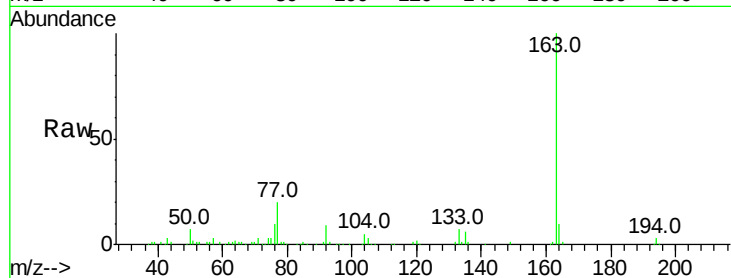
Tot Ion:163 Resp: 144492

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

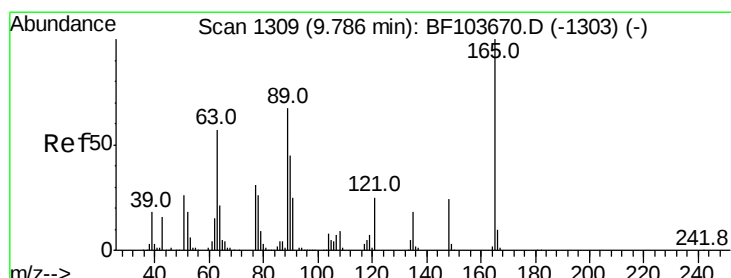
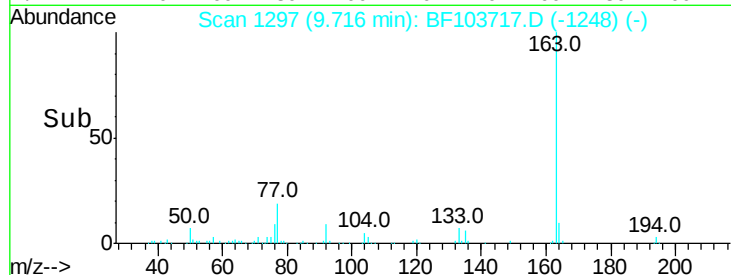
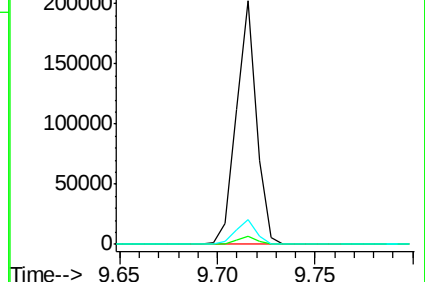
164 10.0 8.2 12.2



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: 4.352 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.07 min

Lab File: BF103717.D

Acq: 17 Mar 2018 00:40

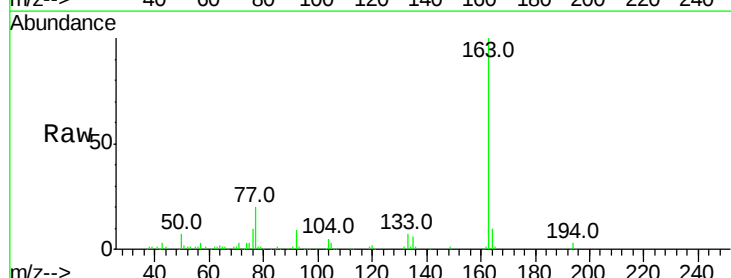
Tgt Ion:165 Resp: 1757

Ion Ratio Lower Upper

165 100

63 143.0 44.7 67.1#

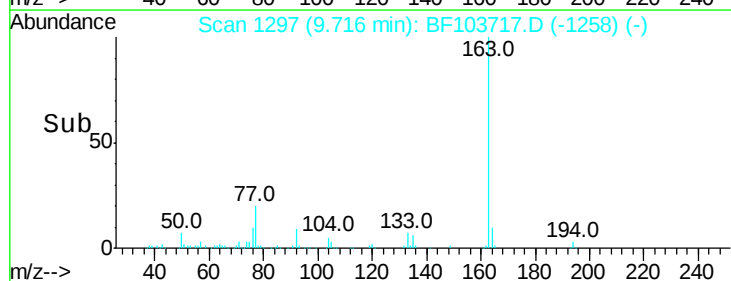
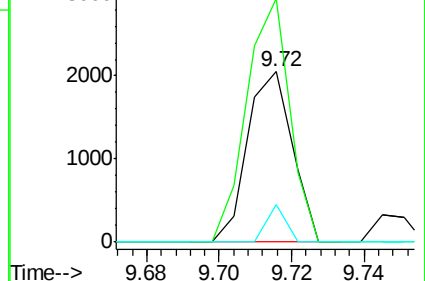
89 22.1 44.0 66.0#

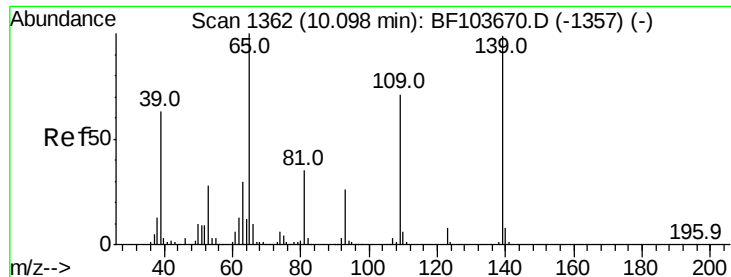


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#55

4-Nitrophenol

Concen: 6.071 ng

RT: 10.22 min Scan# 1382

Delta R.T. 0.12 min

Lab File: BF103717.D

Acq: 17 Mar 2018 00:40

Instrument :

BNA_F

ClientSampleId :

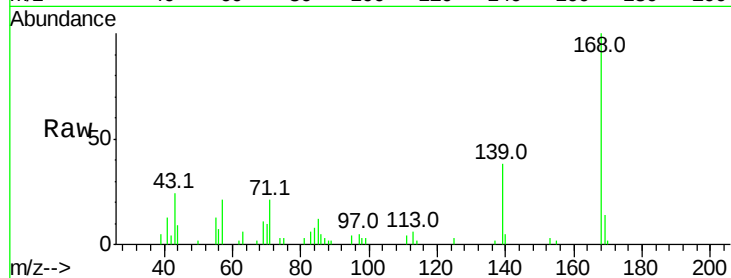
Tot Ion:139 Resp: 4854

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

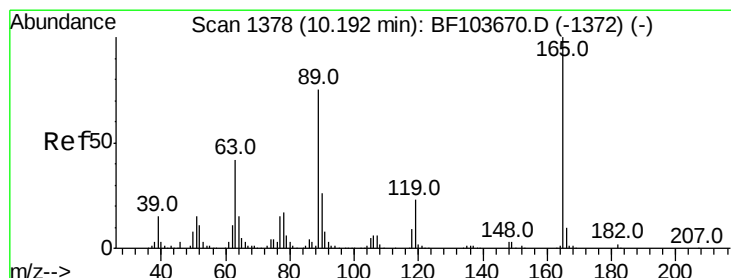
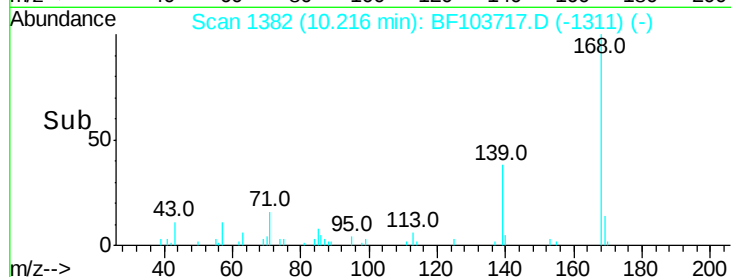
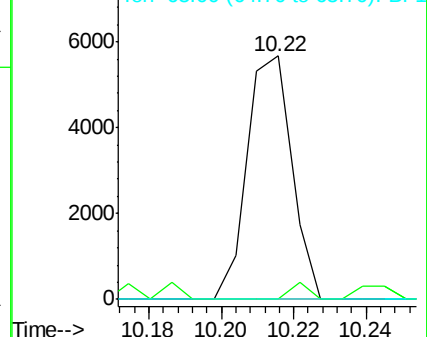
65 0.0 72.6 112.6#



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: 12.123 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.18 min

Lab File: BF103717.D

Acq: 17 Mar 2018 00:40

Tgt Ion:165 Resp: 37579

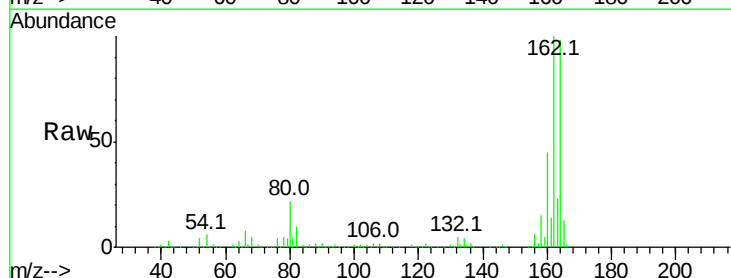
Ion Ratio Lower Upper

165 100

63 0.9 36.4 54.6#

89 1.4 57.8 86.6#

182 0.0 1.6 2.4#

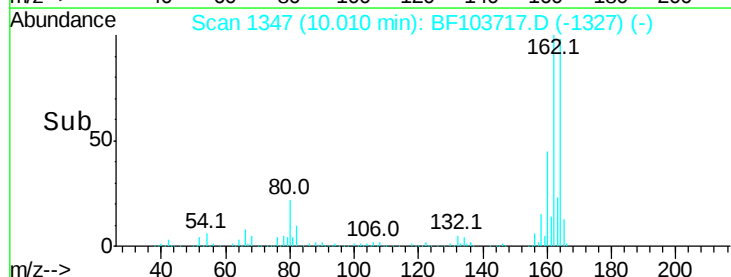
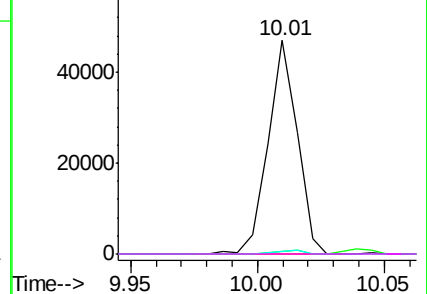


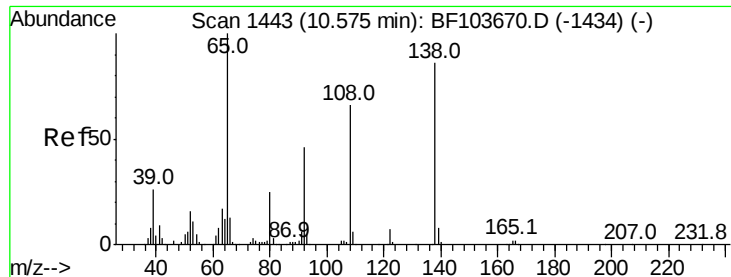
Abundance Ion 165.00 (164.70 to 165.70): E

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

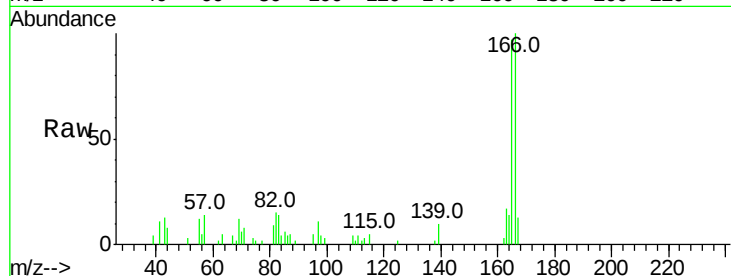




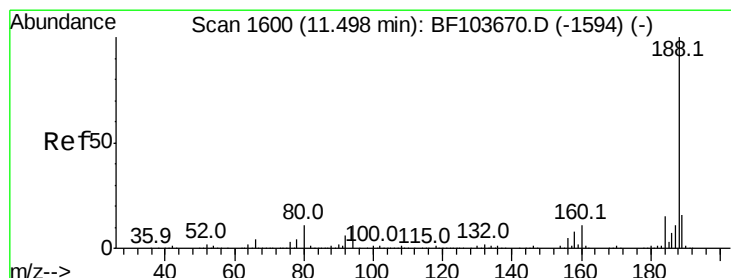
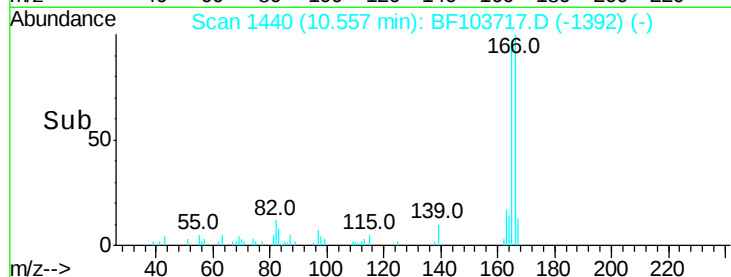
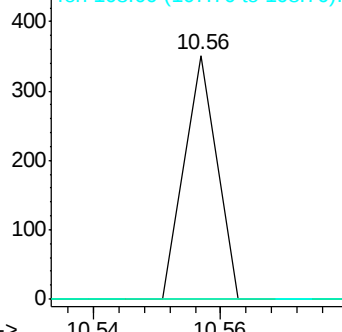
#61
4-Nitroaniline
Concen: 3.772 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.02 min
Lab File: BF103717.D
Acq: 17 Mar 2018 00:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:138 Resp: 124
Ion Ratio Lower Upper
138 100
92 0.0 30.2 70.2#
108 0.0 52.5 92.5#

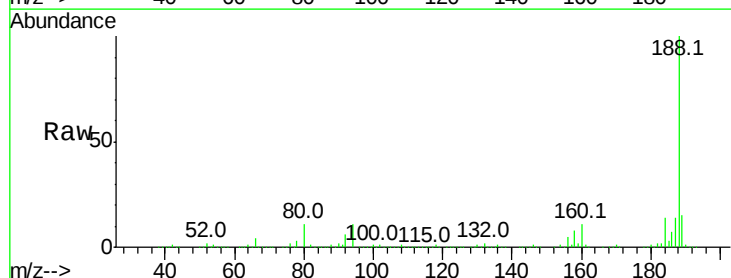


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF1
Ion 108.00 (107.70 to 108.70): E

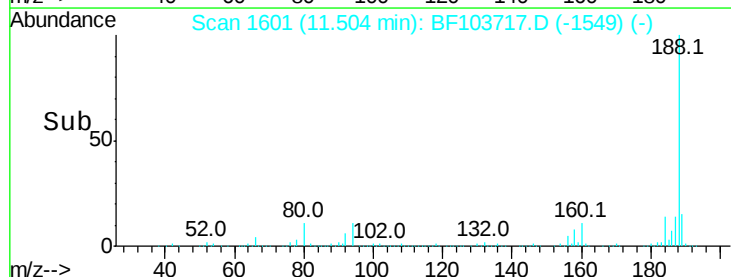
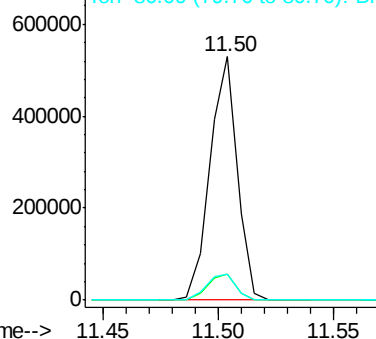


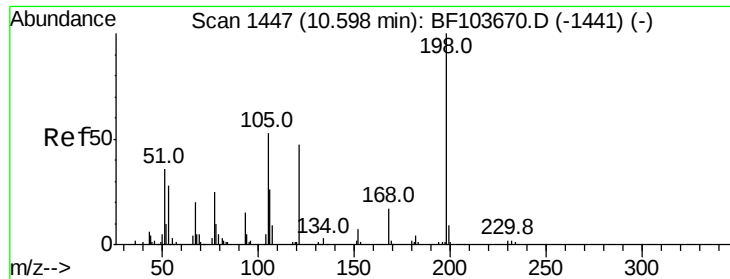
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: BF103717.D
Acq: 17 Mar 2018 00:40

Tgt Ion:188 Resp: 437082
Ion Ratio Lower Upper
188 100
94 10.5 8.5 12.7
80 10.9 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





#64

4,6-Dinitro-2-methylphenol

Concen: 8.540 ng

RT: 10.80 min Scan# 1482

Delta R.T. 0.21 min

Lab File: BF103717.D

Acq: 17 Mar 2018 00:40

Instrument :

BNA_F

ClientSampleId :

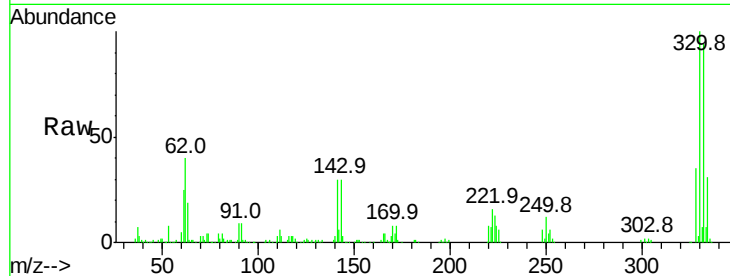
Tot Ion:198 Resp: 617

Ion Ratio Lower Upper

198 100

51 123.0 37.7 77.7#

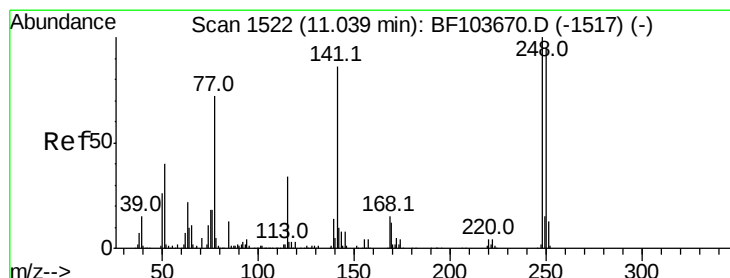
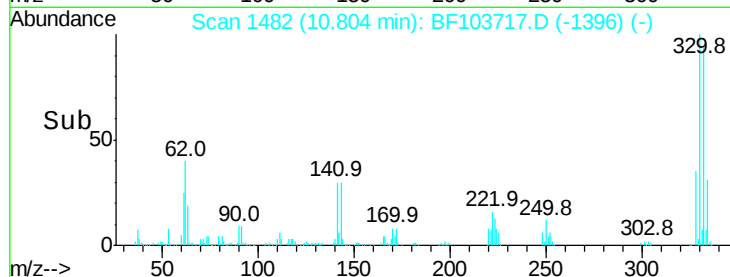
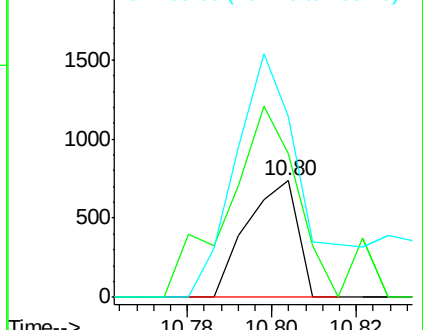
105 155.0 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.523 ng

RT: 10.80 min Scan# 1482

Delta R.T. -0.24 min

Lab File: BF103717.D

Acq: 17 Mar 2018 00:40

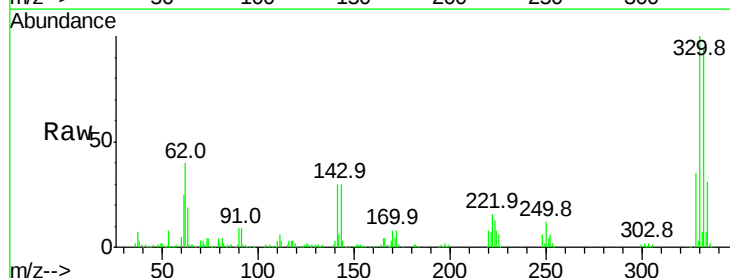
Tgt Ion:248 Resp: 15808

Ion Ratio Lower Upper

248 100

250 199.5 76.9 115.3#

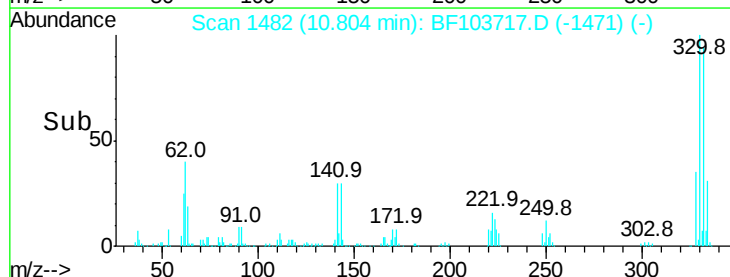
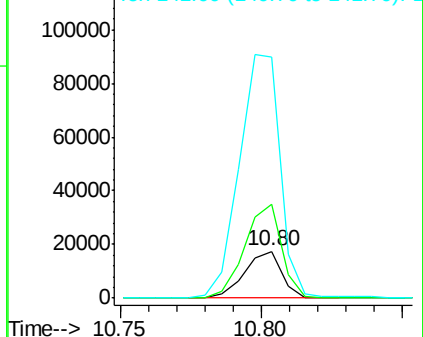
141 515.8 74.4 111.6#

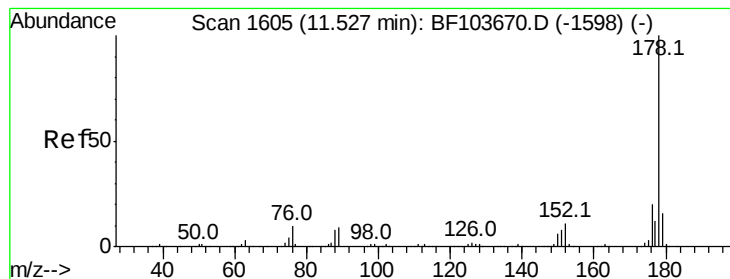


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 6.798 ng

RT: 11.53 min Scan# 1605

Delta R.T. -0.00 min

Lab File: BF103717.D

Acq: 17 Mar 2018 00:40

Instrument :

BNA_F

ClientSampleId :

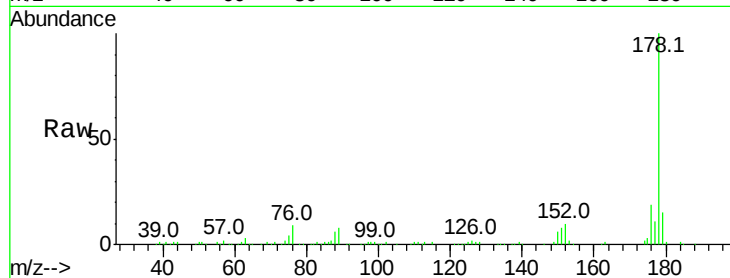
Tot Ion:178 Resp: 162543

Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.8

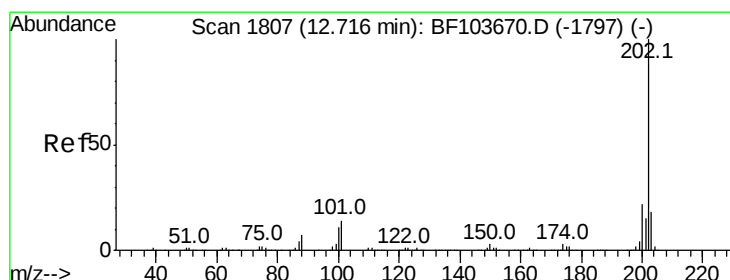
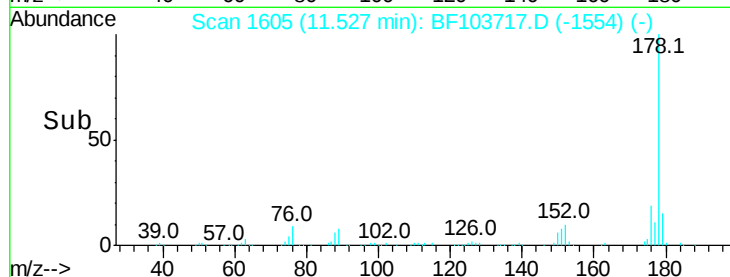
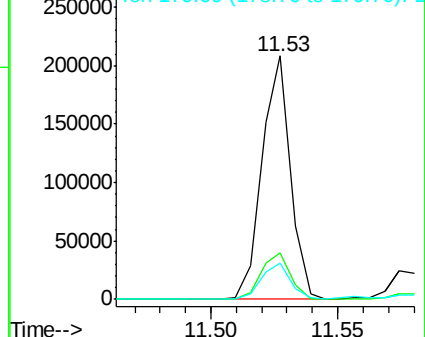
179 14.9 13.0 19.6



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: 8.125 ng

RT: 12.72 min Scan# 1807

Delta R.T. -0.00 min

Lab File: BF103717.D

Acq: 17 Mar 2018 00:40

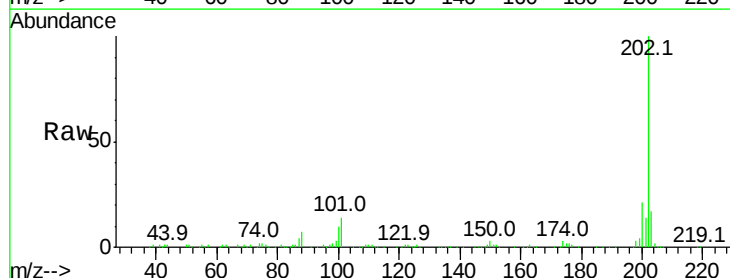
Tgt Ion:202 Resp: 200129

Ion Ratio Lower Upper

202 100

101 14.1 0.0 34.1

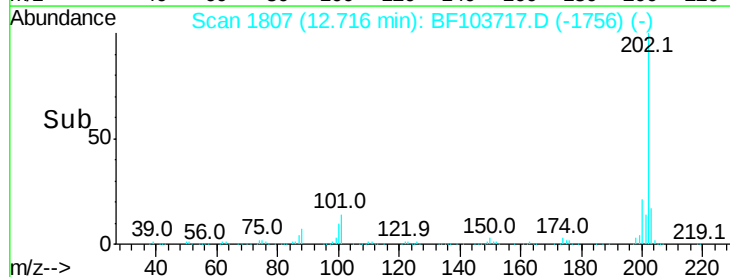
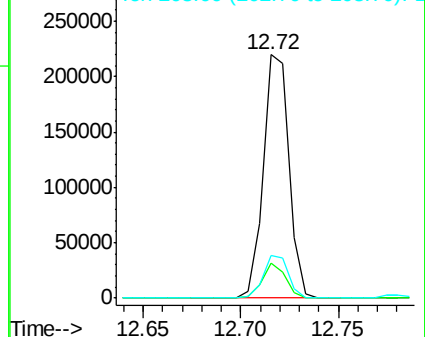
203 17.5 0.0 38.1

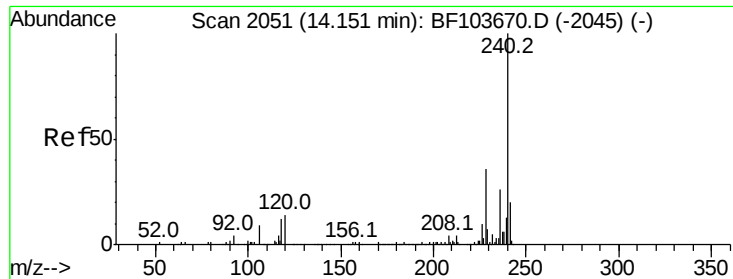


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.15 min Scan# 2051

Delta R.T. -0.00 min

Lab File: BF103717.D

Acq: 17 Mar 2018 00:40

Instrument :

BNA_F

ClientSampled :

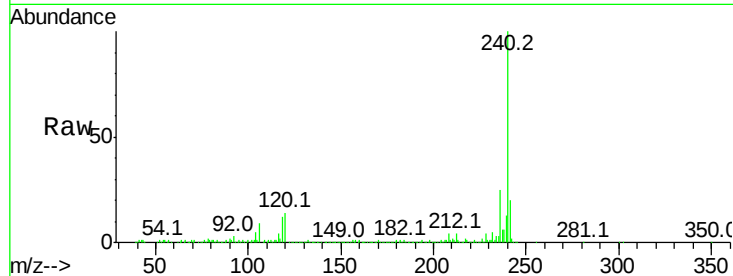
Tot Ion:240 Resp: 324342

Ion Ratio Lower Upper

240 100

120 13.7 9.5 14.3

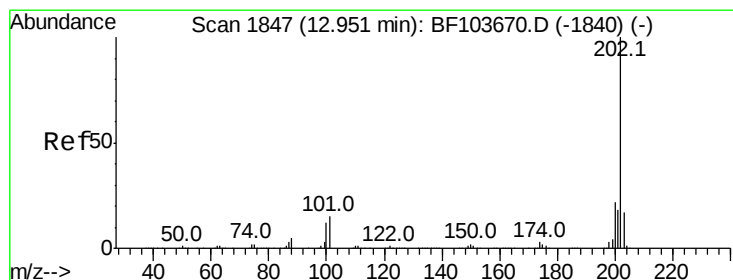
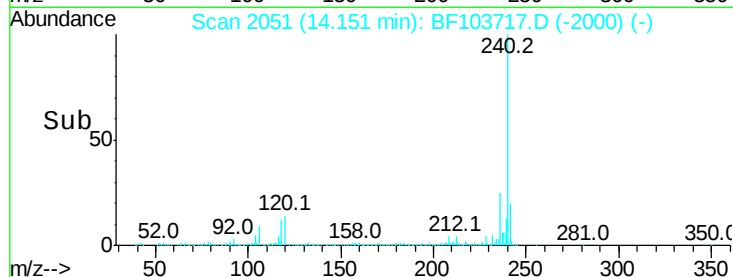
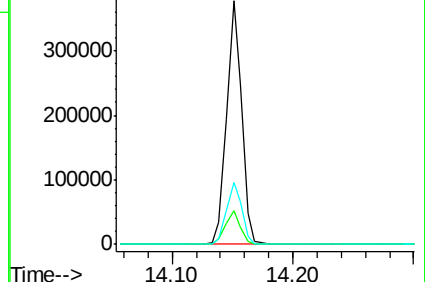
236 25.3 20.7 31.1



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: 6.575 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.00 min

Lab File: BF103717.D

Acq: 17 Mar 2018 00:40

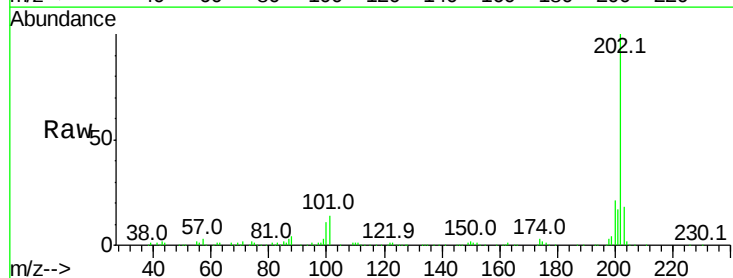
Tgt Ion:202 Resp: 156608

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

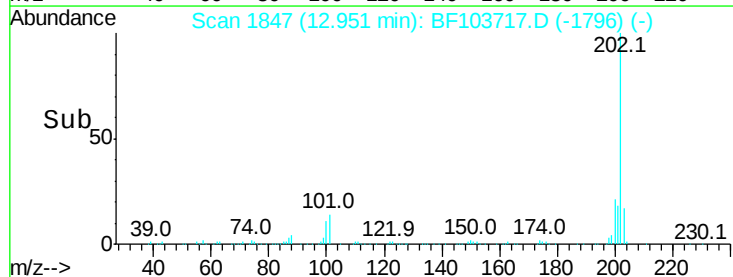
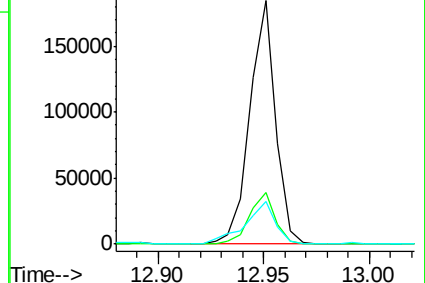
203 17.5 14.3 21.5

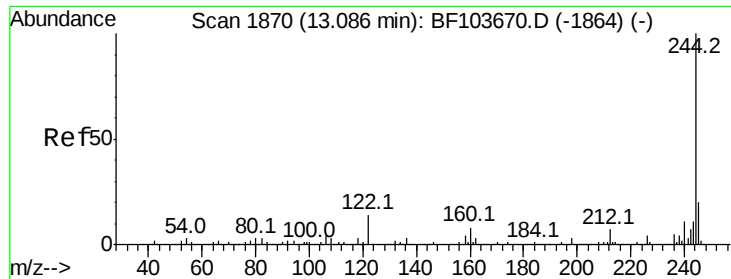


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

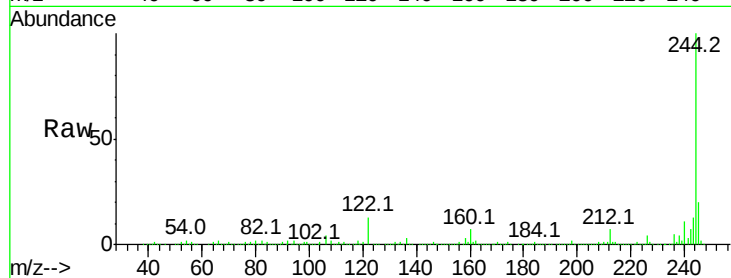




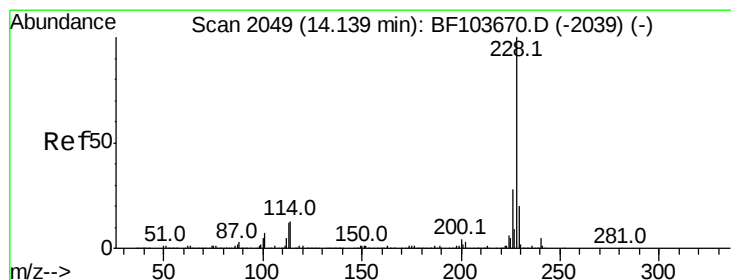
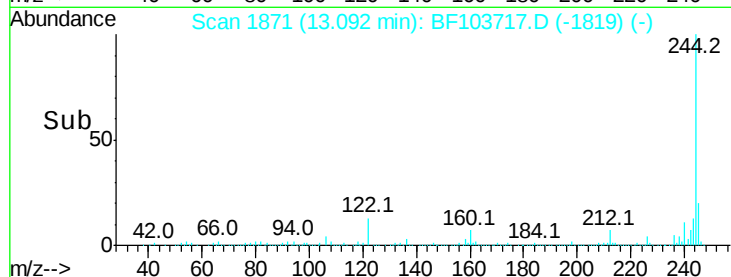
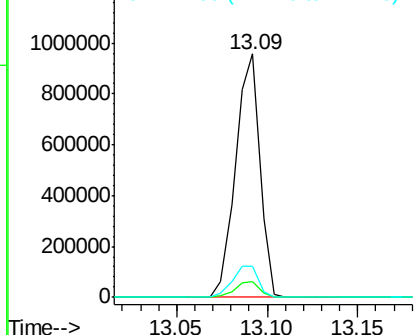
#78
 Terphenyl-d14
 Concen: 63.973 ng
 RT: 13.09 min Scan# 1871
 Delta R.T. 0.01 min
 Lab File: BF103717.D
 Acq: 17 Mar 2018 00:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 893922
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 12.7 11.0 16.4

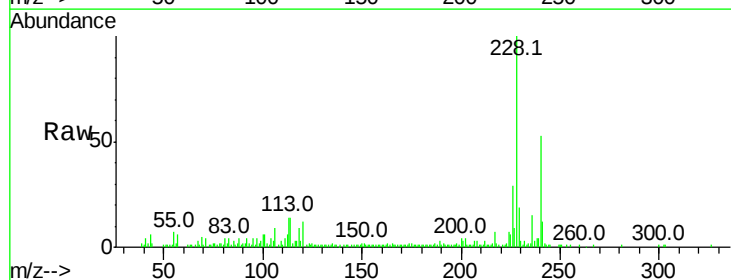


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

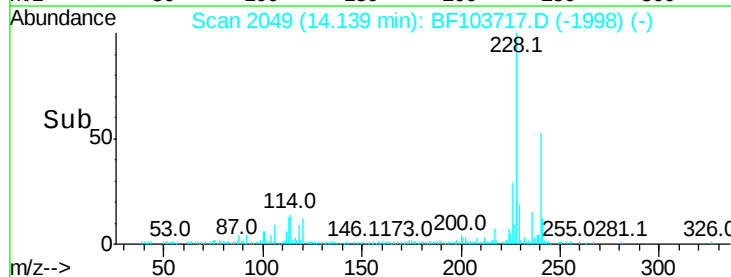
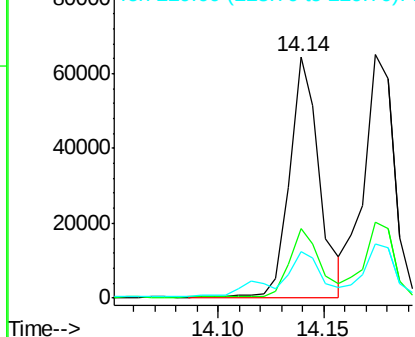


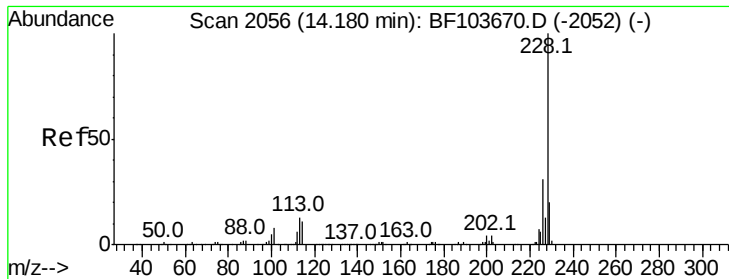
#80
 Benzo(a)anthracene
 Concen: 3.124 ng
 RT: 14.14 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: BF103717.D
 Acq: 17 Mar 2018 00:40

Tgt Ion:228 Resp: 64146
 Ion Ratio Lower Upper
 228 100
 226 29.0 22.6 33.8
 229 19.4 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.376 ng

RT: 14.17 min Scan# 2055

Delta R.T. -0.01 min

Lab File: BF103717.D

Acq: 17 Mar 2018 00:40

Instrument :

BNA_F

ClientSampleId :

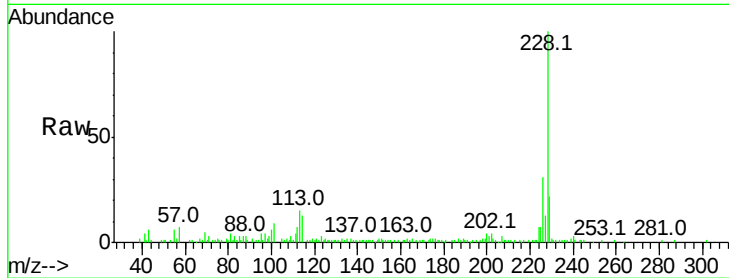
Tot Ion:228 Resp: 66063

Ion Ratio Lower Upper

228 100

226 31.3 25.0 37.6

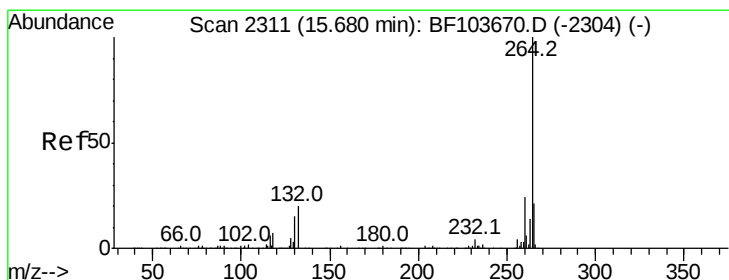
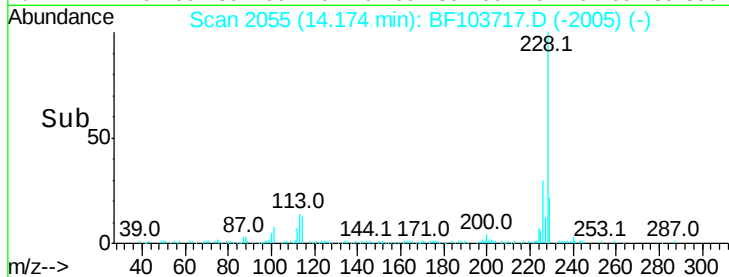
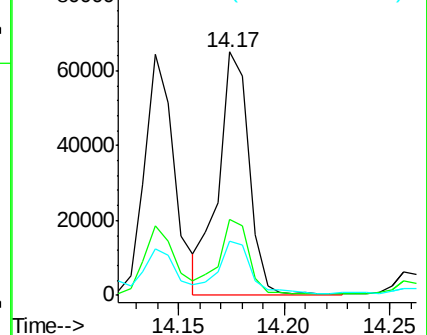
229 22.4 16.2 24.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2312

Delta R.T. 0.01 min

Lab File: BF103717.D

Acq: 17 Mar 2018 00:40

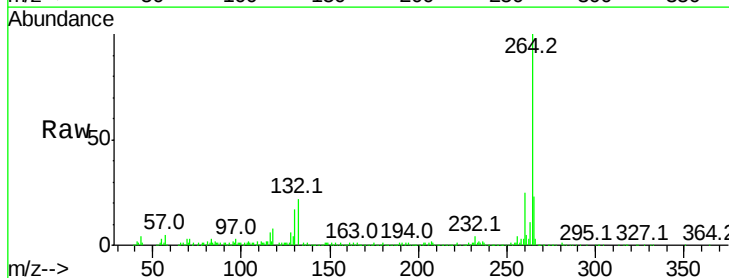
Tgt Ion:264 Resp: 256991

Ion Ratio Lower Upper

264 100

260 24.6 19.2 28.8

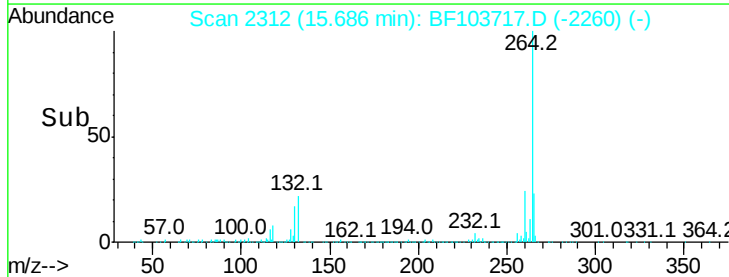
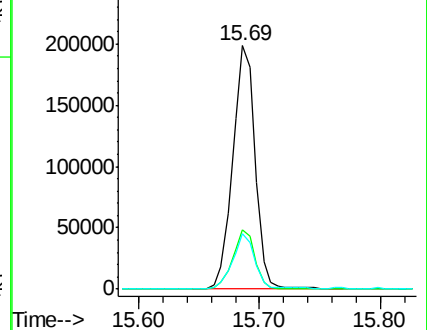
265 22.8 17.5 26.3

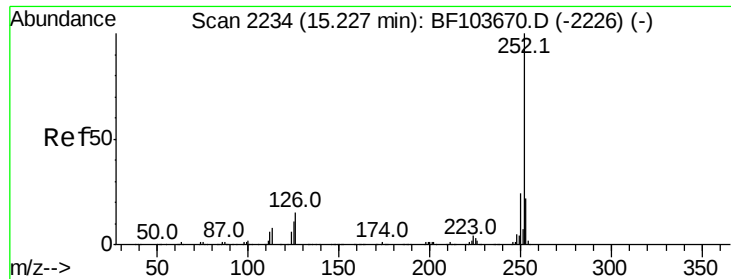


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

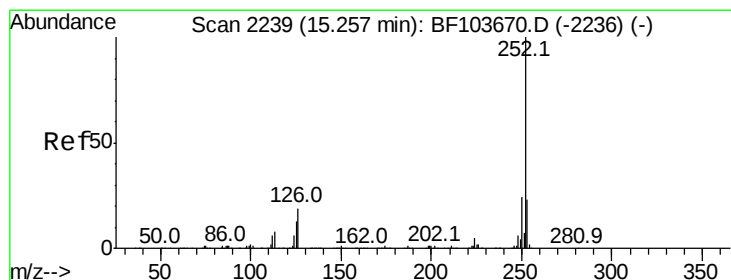
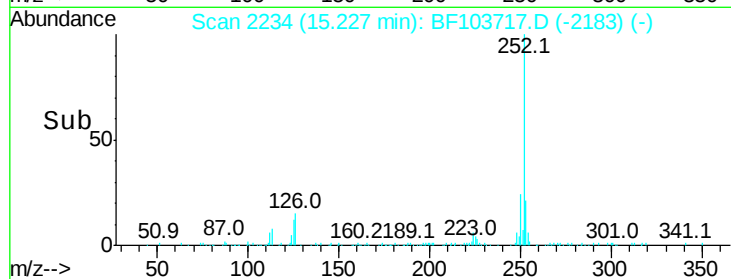
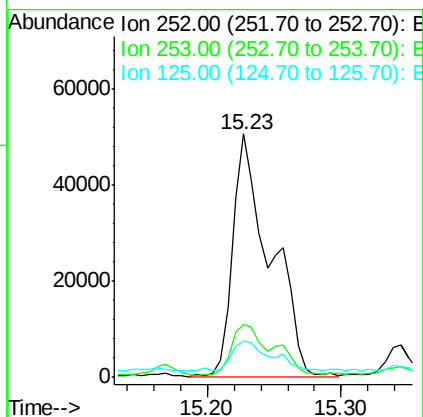
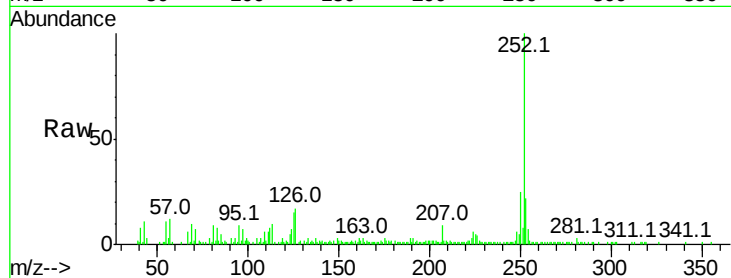




#87
Benzo(b)fluoranthene
Concen: 6.144 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.00 min
Lab File: BF103717.D
Acq: 17 Mar 2018 00:40

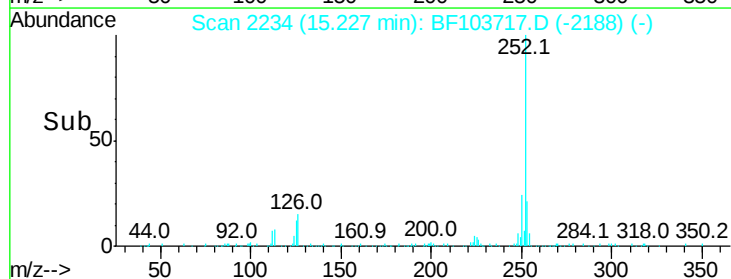
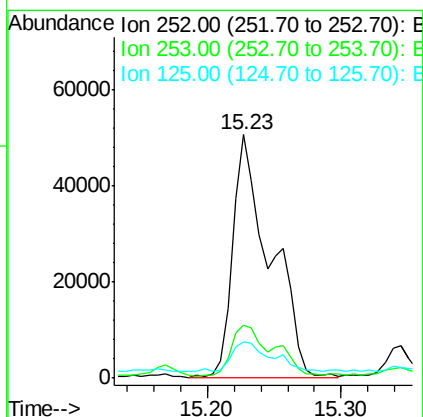
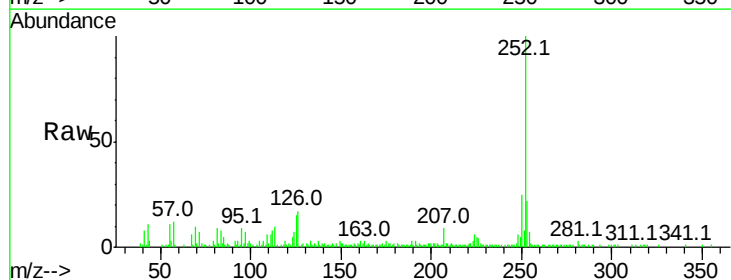
Instrument :
BNA_F
ClientSampleId :

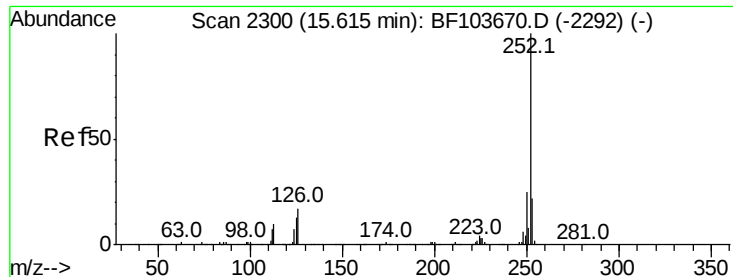
Tot Ion:252 Resp: 99759
Ion Ratio Lower Upper
252 100
253 21.9 17.0 25.6
125 15.0 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 6.392 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.03 min
Lab File: BF103717.D
Acq: 17 Mar 2018 00:40

Tgt Ion:252 Resp: 99759
Ion Ratio Lower Upper
252 100
253 21.9 17.9 26.9
125 15.0 10.2 15.2





#89

Benzo(a)pyrene

Concen: 2.861 ng

RT: 15.62 min Scan# 2300

Delta R.T. -0.00 min

Lab File: BF103717.D

Acq: 17 Mar 2018 00:40

Instrument :

BNA_F

ClientSampleId :

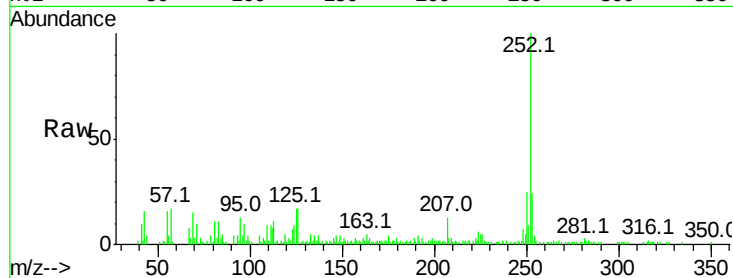
Tot Ion:252 Resp: 42134

Ion Ratio Lower Upper

252 100

253 23.7 17.1 25.7

125 17.5 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

