

Data Path : Z:\HPCHEM1\BNA F\DATA\BF033018\
 Data File : BF104114.D
 Acq On : 31 Mar 2018 00:51
 Operator : JU/SJ
 Sample : J2142-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 31 03:49:59 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 30 17:20:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	103750	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	415183	20.00	ng	0.00
38) Acenaphthene-d10	9.99	164	175194	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	274627	20.00	ng	0.00
75) Chrysene-d12	14.14	240	222237	20.00	ng	0.00
86) Perylene-d12	15.68	264	186397	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	668029	102.68	ng	0.01
7) Phenol-d6	6.59	99	874097	109.21	ng	0.00
23) Nitrobenzene-d5	7.52	82	509490	75.05	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	182067	93.33	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	890683	80.17	ng	0.00
78) Terphenyl-d14	13.07	244	676327	70.27	ng	0.00

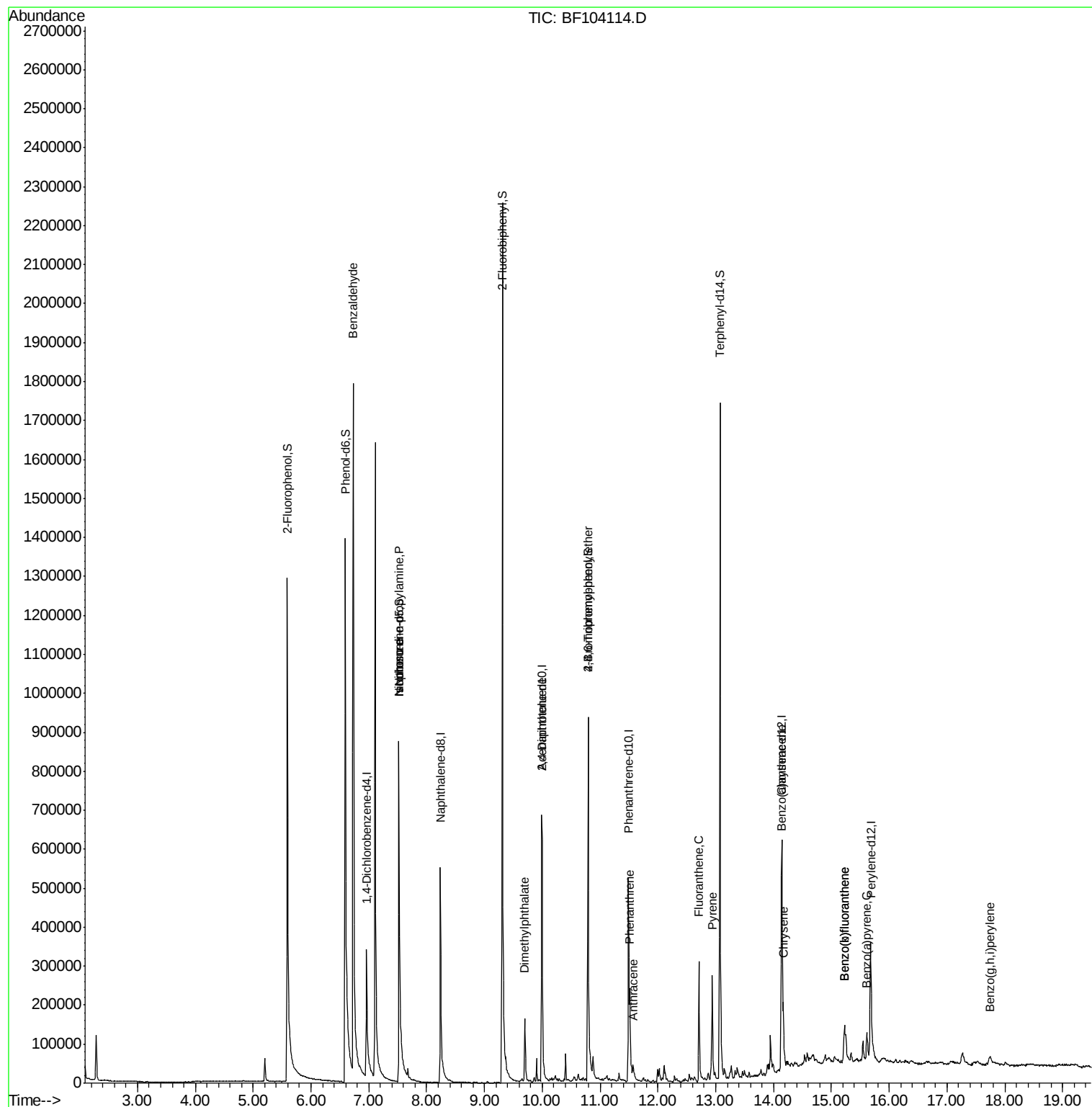
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.73	77	14537	2.255	ng	84
19) n-Nitroso-di-n-propylamine	7.52	70	59804	12.590	ng	# 73
25) Isophorone	7.52	82	509490	40.722	ng	# 64
49) Dimethylphthalate	9.70	163	86461	6.251	ng	100
56) 2,4-Dinitrotoluene	9.99	165	21851	5.754	ng	# 22
66) 4-Bromophenyl-phenylether	10.79	248	11042	3.758	ng	# 1
70) Phenanthrene	11.52	178	99124	6.667	ng	99
71) Anthracene	11.57	178	31483	2.027	ng	99
74) Fluoranthene	12.71	202	163497	10.345	ng	96
77) Pyrene	12.94	202	141883	8.881	ng	98
80) Benzo(a)anthracene	14.13	228	73315	5.272	ng	97
82) Chrysene	14.17	228	61414	4.509	ng	98
87) Benzo(b)fluoranthene	15.22	252	92593	8.162	ng	# 95
88) Benzo(k)fluoranthene	15.22	252	92593	8.665	ng	98
89) Benzo(a)pyrene	15.62	252	47208	4.491	ng	96
91) Benzo(g,h,i)perylene	17.74	276	21845	2.244	ng	# 93

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

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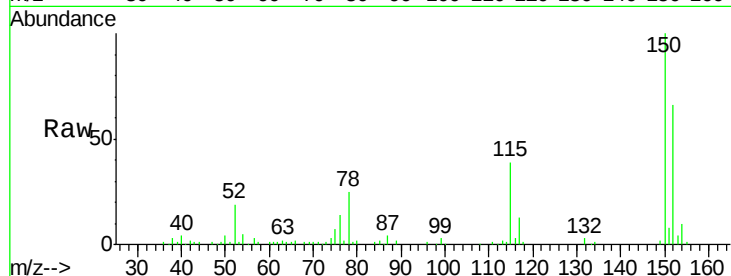


#1

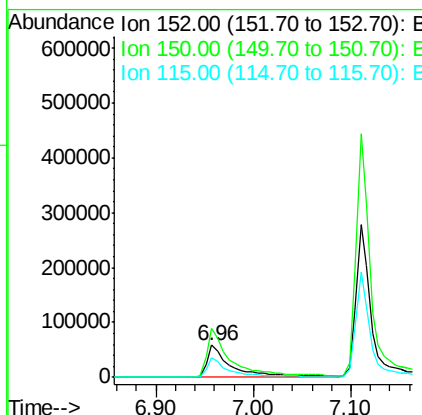
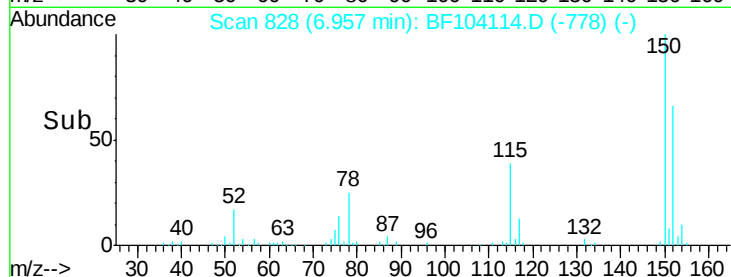
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF104114.D
Acq: 31 Mar 2018 00:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 103750
Ion Ratio Lower Upper
152 100
150 152.1 124.6 186.8
115 59.9 50.1 75.1



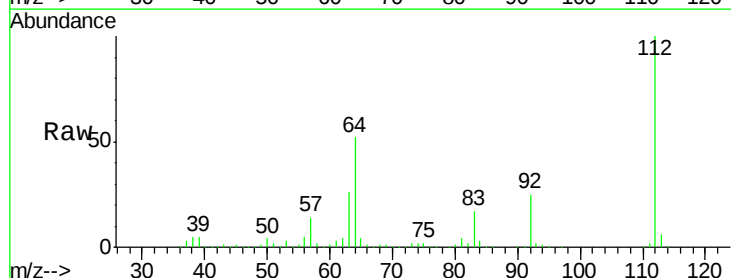
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



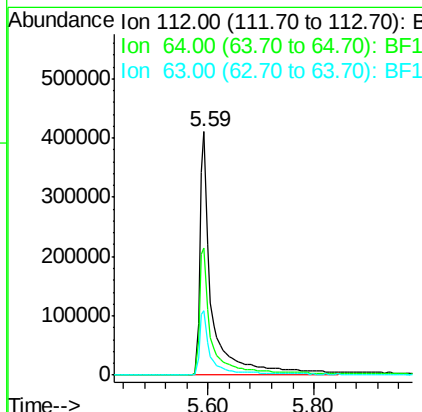
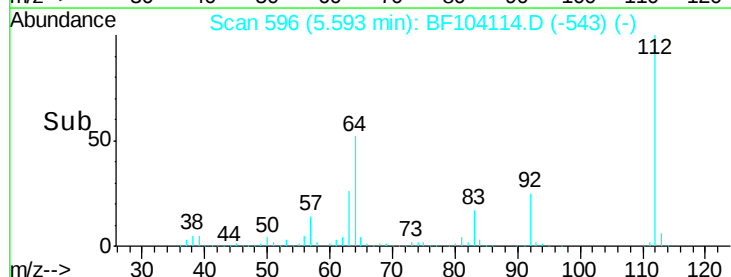
#5

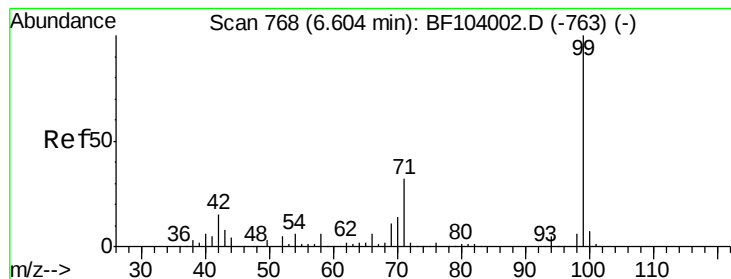
2-Fluorophenol
Concen: 102.683 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.01 min
Lab File: BF104114.D
Acq: 31 Mar 2018 00:51

Tgt Ion:112 Resp: 668029
Ion Ratio Lower Upper
112 100
64 52.3 47.9 71.9
63 26.4 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: 109.207 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.00 min

Lab File: BF104114.D

Acq: 31 Mar 2018 00:51

Instrument :

BNA_F

ClientSampleId :

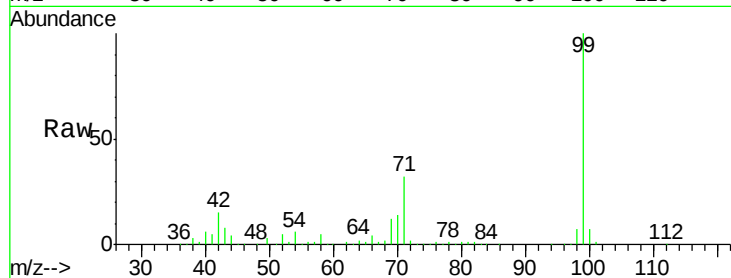
Tot Ion: 99 Resp: 874097

Ion Ratio Lower Upper

99 100

42 15.1 14.5 21.7

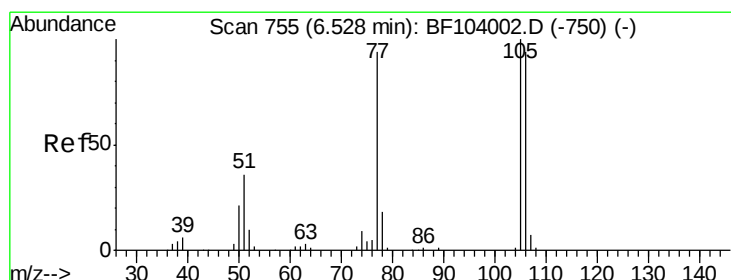
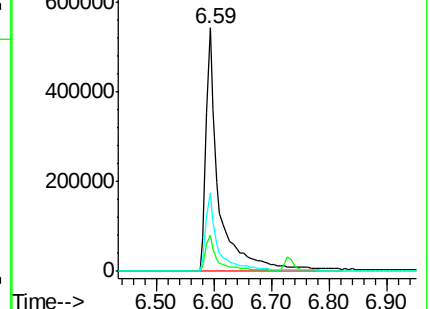
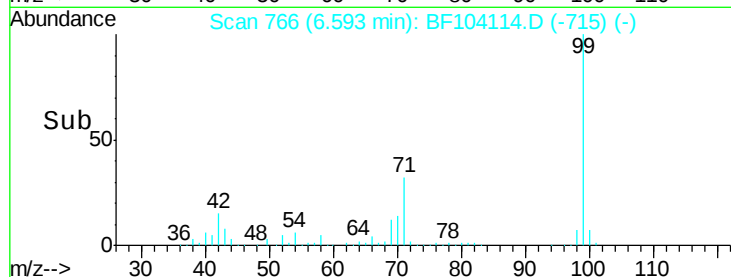
71 32.3 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.255 ng

RT: 6.73 min Scan# 789

Delta R.T. 0.21 min

Lab File: BF104114.D

Acq: 31 Mar 2018 00:51

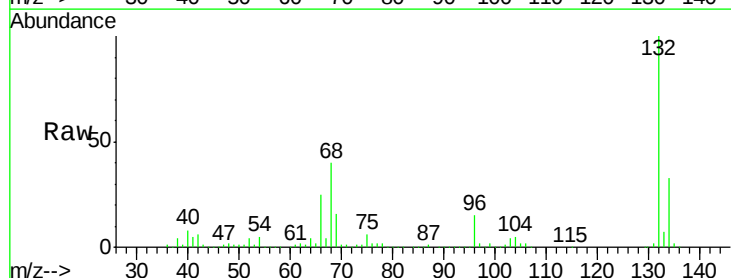
Tgt Ion: 77 Resp: 14537

Ion Ratio Lower Upper

77 100

105 83.1 81.1 121.1

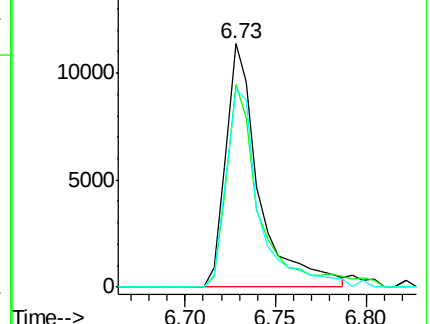
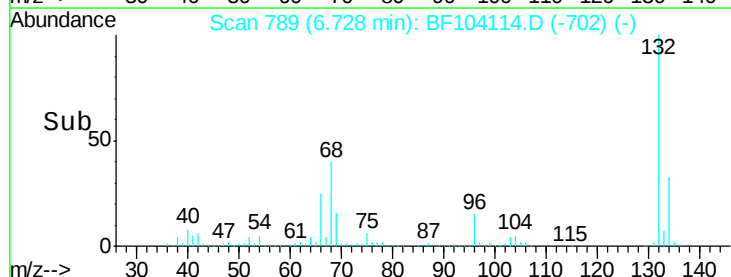
106 81.2 74.5 114.5

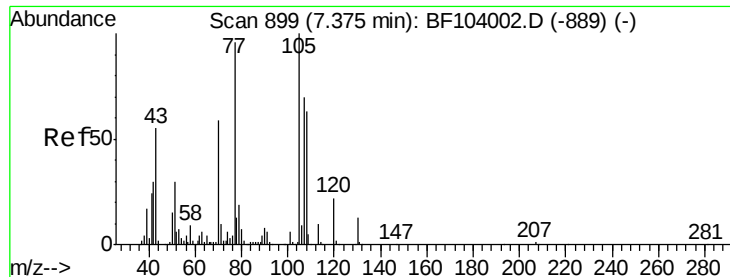


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 12.590 ng

RT: 7.52 min Scan# 924

Delta R.T. 0.16 min

Lab File: BF104114.D

Acq: 31 Mar 2018 00:51

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 59804

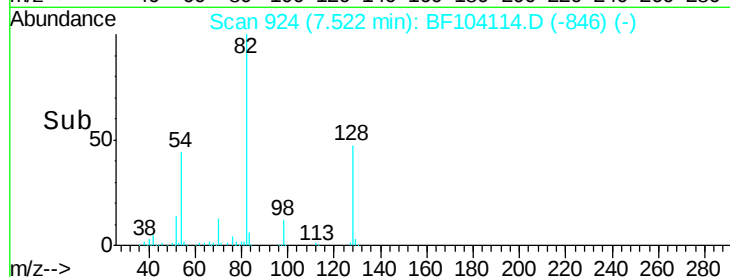
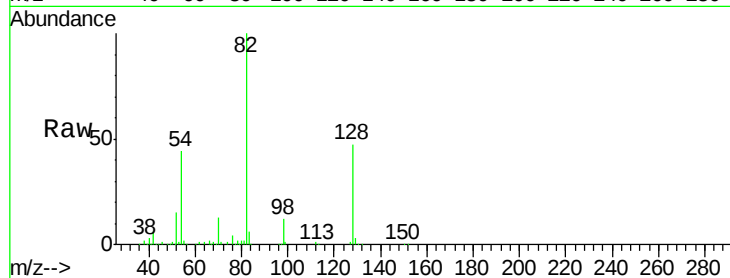
Ion Ratio Lower Upper

70 100

42 42.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

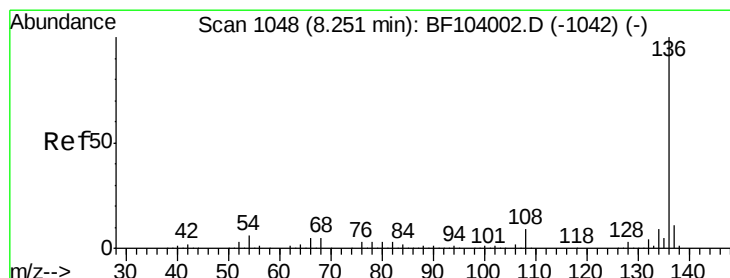
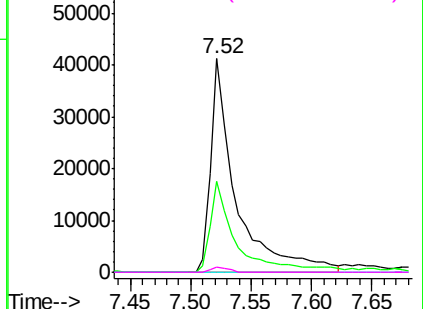


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1046

Delta R.T. 0.00 min

Lab File: BF104114.D

Acq: 31 Mar 2018 00:51

Tgt Ion:136 Resp: 415183

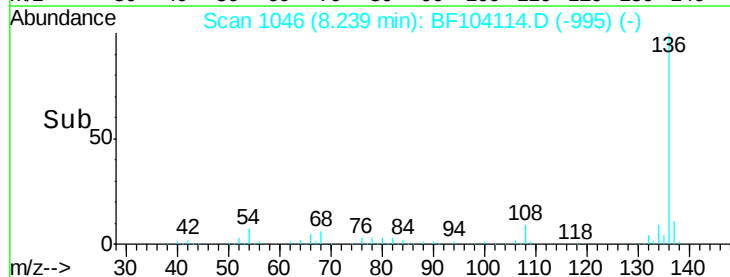
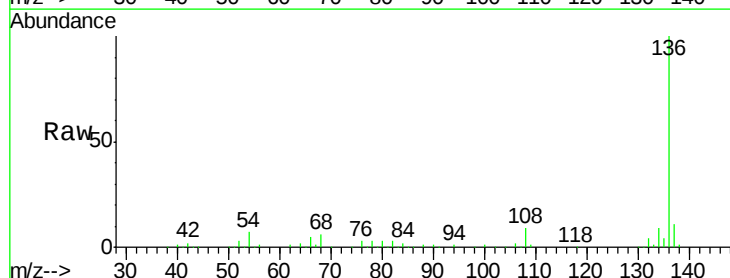
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.1 6.6 9.8

68 5.8 5.0 7.4

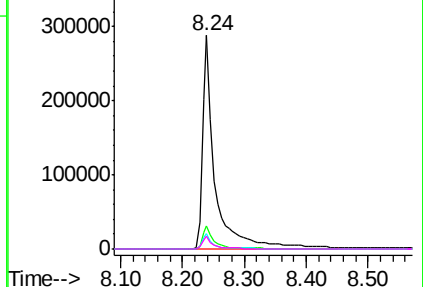


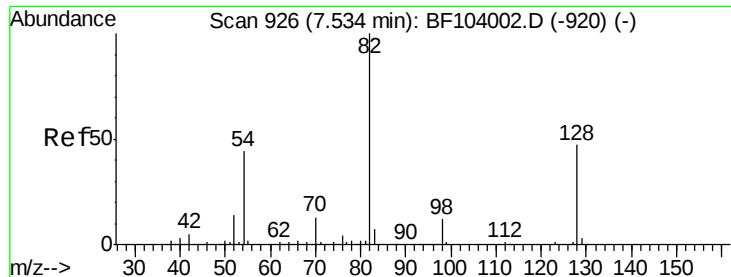
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

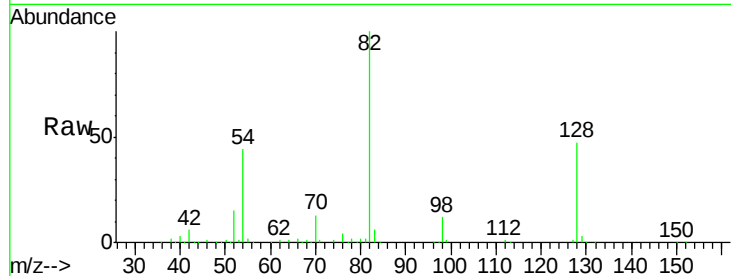




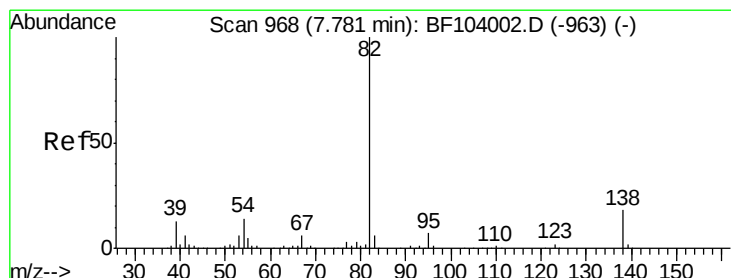
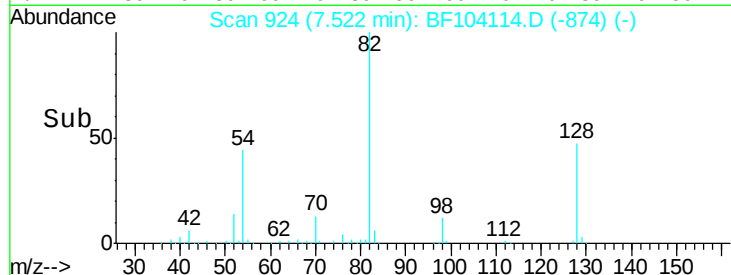
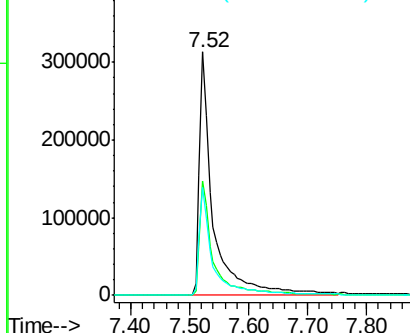
#23
Nitrobenzene-d5
Concen: 75.047 ng
RT: 7.52 min Scan# 924
Delta R.T. -0.01 min
Lab File: BF104114.D
Acq: 31 Mar 2018 00:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	509490
Ion Ratio	Lower	Upper	
82	100		
128	46.7	36.1	54.1
54	44.2	41.4	62.2

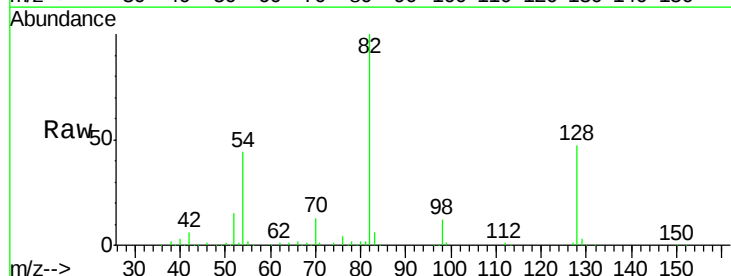


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

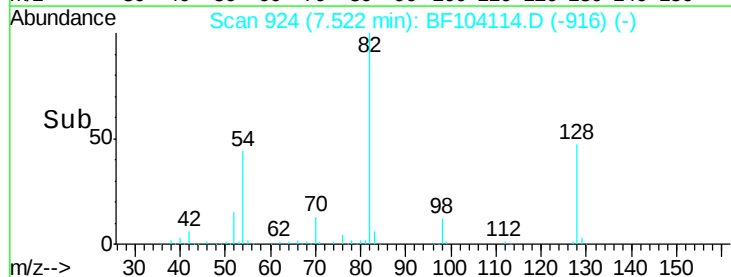
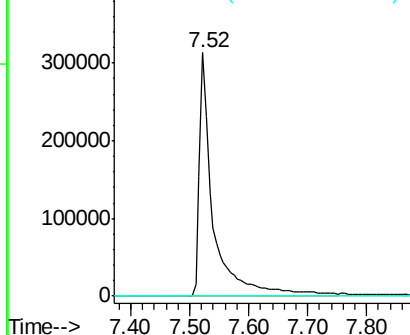


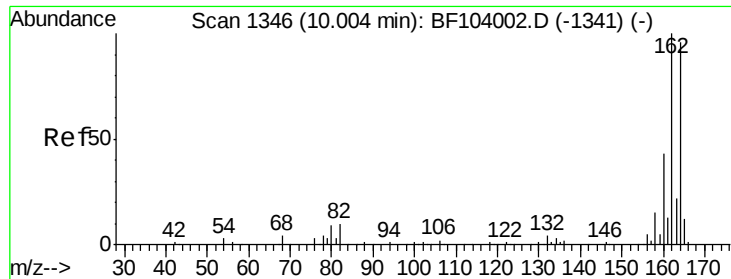
#25
Isophorone
Concen: 40.722 ng
RT: 7.52 min Scan# 924
Delta R.T. -0.25 min
Lab File: BF104114.D
Acq: 31 Mar 2018 00:51

Tgt Ion	82	Resp	509490
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

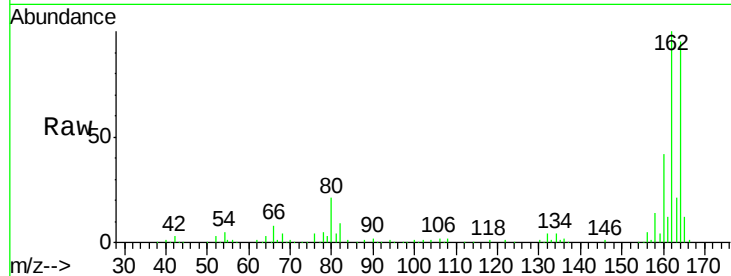




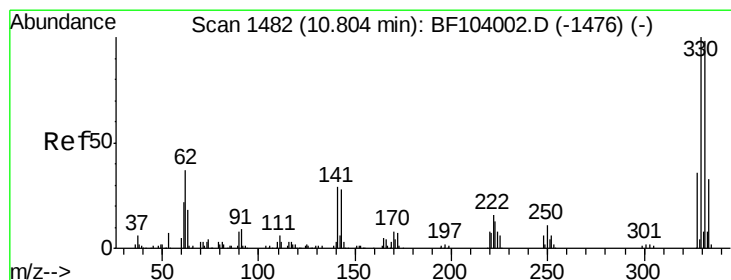
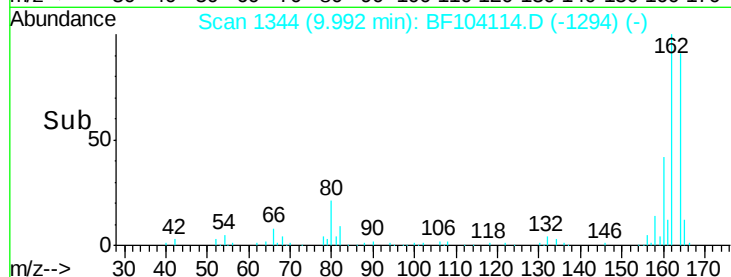
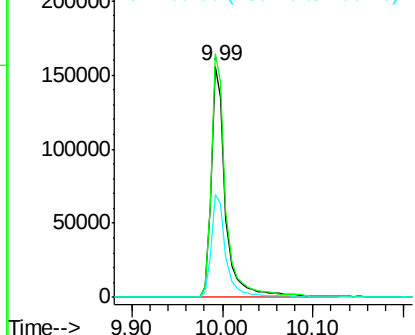
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BF104114.D
Acq: 31 Mar 2018 00:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 175194
Ion Ratio Lower Upper
164 100
162 105.4 86.1 129.1
160 44.3 38.3 57.5

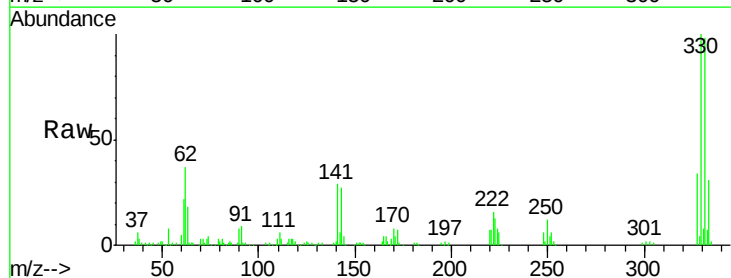


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

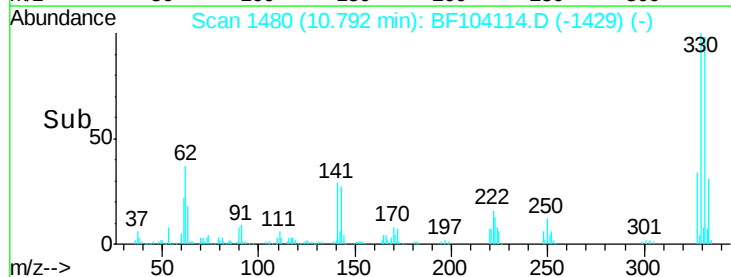
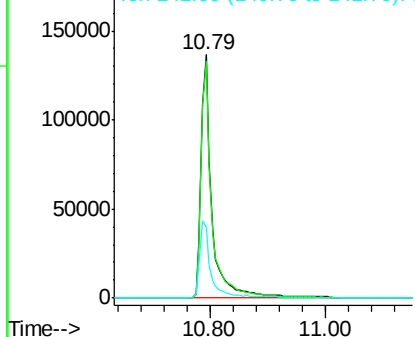


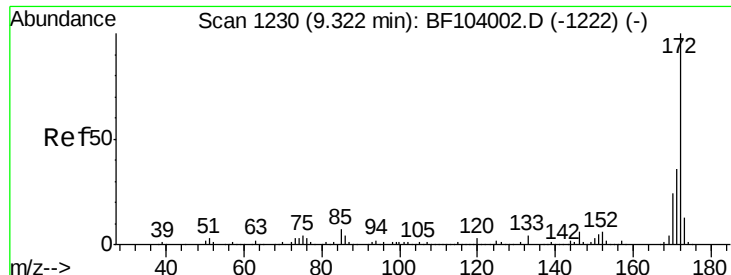
#41
2,4,6-Tribromophenol
Concen: 93.330 ng
RT: 10.79 min Scan# 1480
Delta R.T. 0.00 min
Lab File: BF104114.D
Acq: 31 Mar 2018 00:51

Tgt Ion:330 Resp: 182067
Ion Ratio Lower Upper
330 100
332 96.4 77.0 115.6
141 31.8 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

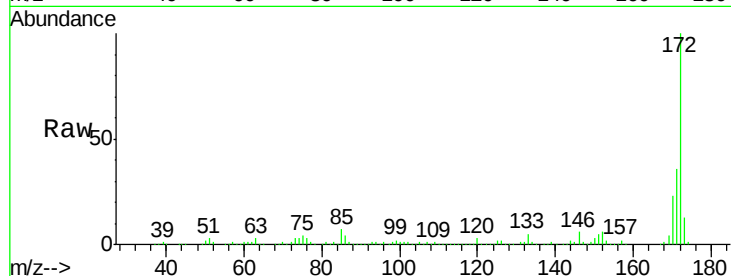




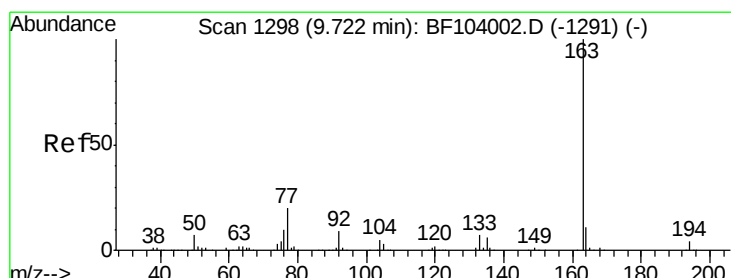
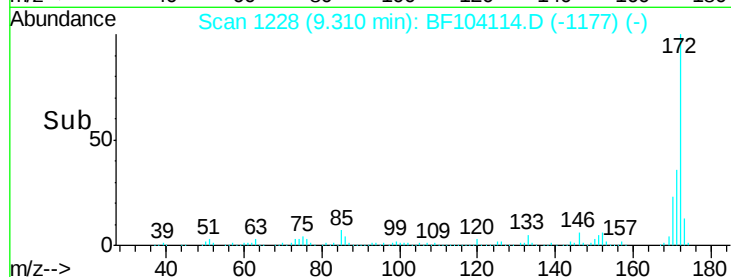
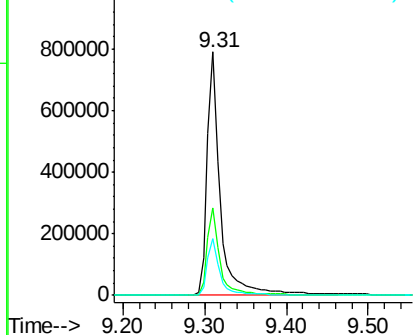
#44
2-Fluorobiphenyl
Concen: 80.170 ng
RT: 9.31 min Scan# 1228
Delta R.T. 0.00 min
Lab File: BF104114.D
Acq: 31 Mar 2018 00:51

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 890683
Ion Ratio Lower Upper
172 100
171 36.0 29.7 44.5
170 23.2 19.6 29.4

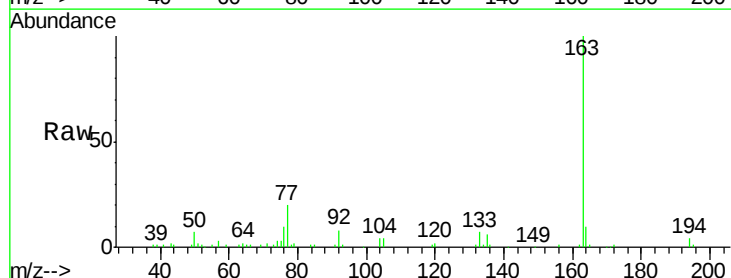


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

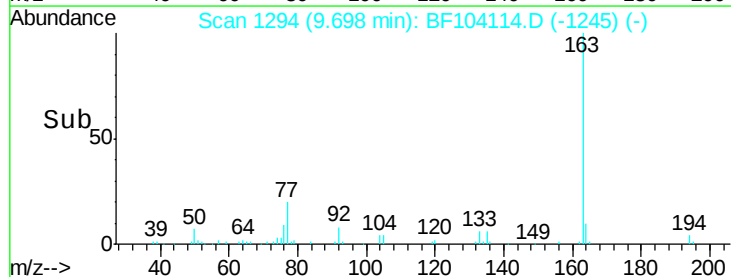
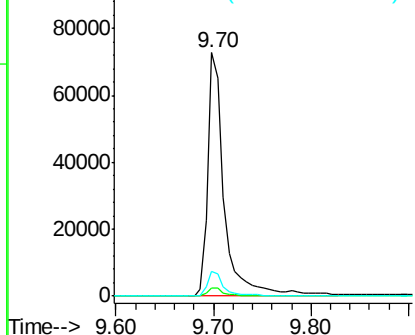


#49
Dimethylphthalate
Concen: 6.251 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF104114.D
Acq: 31 Mar 2018 00:51

Tgt Ion:163 Resp: 86461
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 10.3 8.2 12.2



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

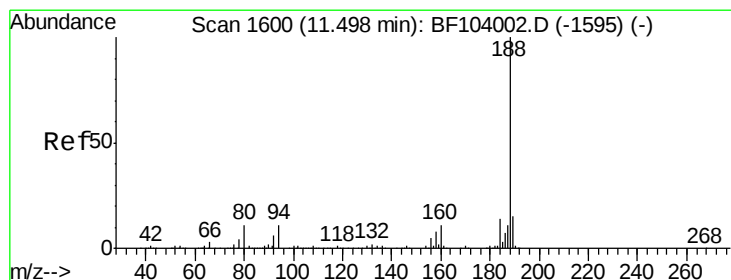
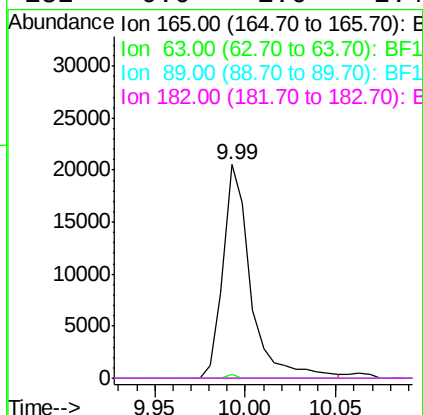
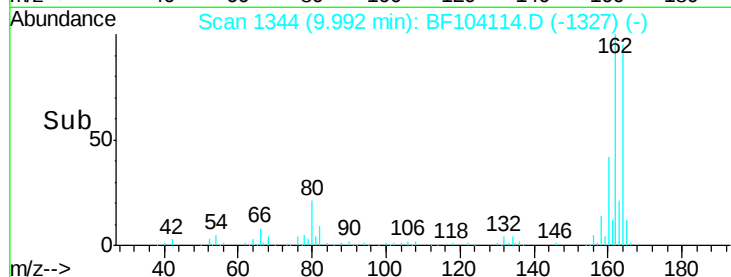
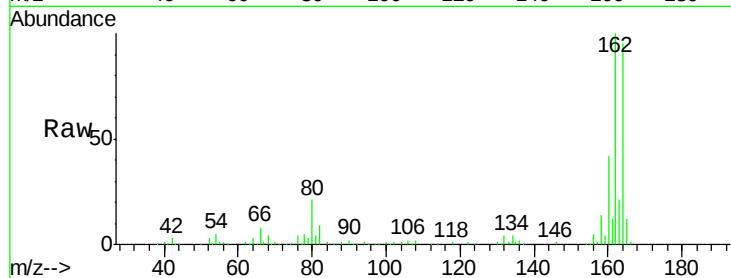




#56
 2,4-Dinitrotoluene
 Concen: 5.754 ng
 RT: 9.99 min Scan# 1344
 Delta R.T. -0.20 min
 Lab File: BF104114.D
 Acq: 31 Mar 2018 00:51

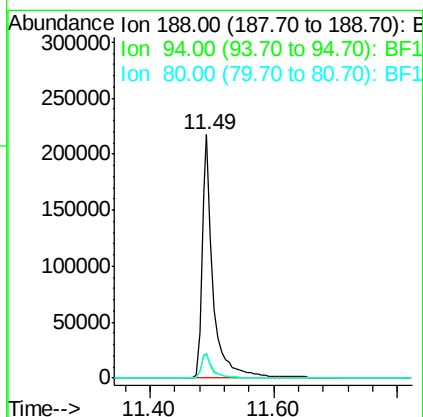
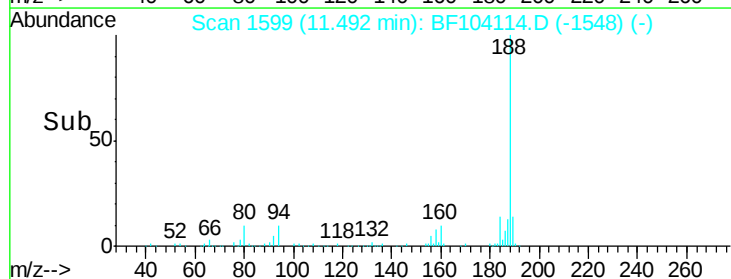
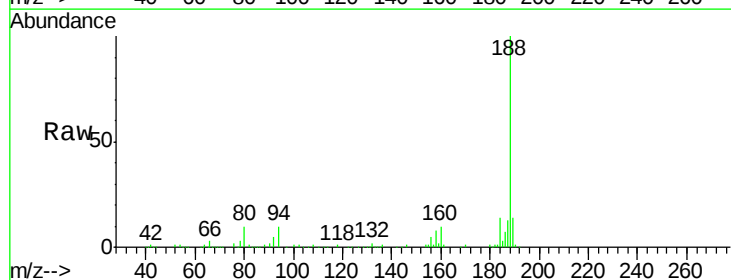
Instrument :
 BNA_F
 ClientSampleId :

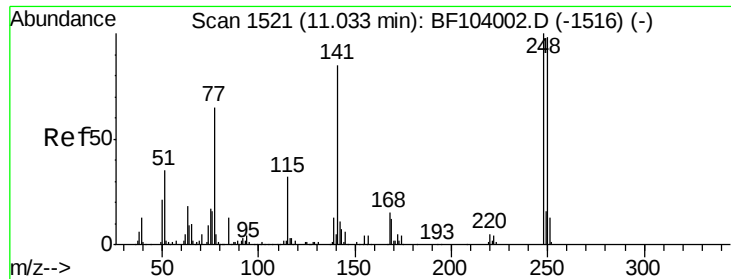
Tot Ion:165	Resp:	21851
Ion Ratio	Lower	Upper
165	100	
63	1.5	36.4 54.6#
89	0.0	57.8 86.6#
182	0.0	1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1599
 Delta R.T. 0.00 min
 Lab File: BF104114.D
 Acq: 31 Mar 2018 00:51

Tgt Ion:188	Resp:	274627
Ion Ratio	Lower	Upper
188	100	
94	9.9	8.5 12.7
80	9.7	9.2 13.8

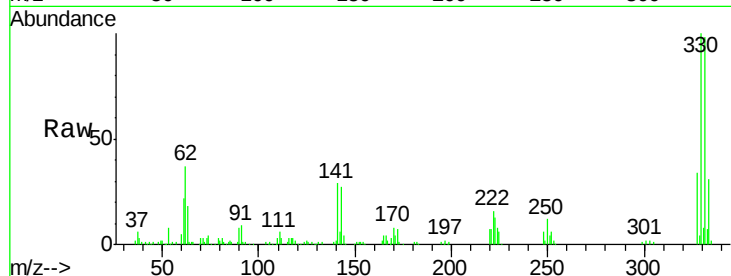




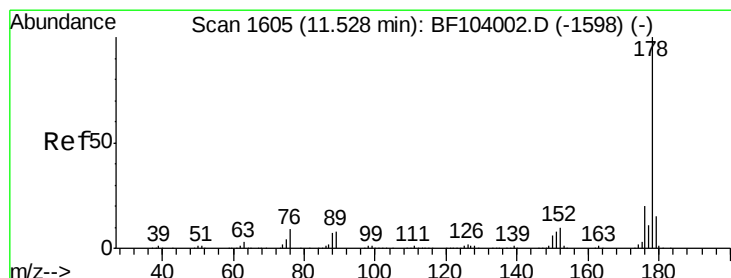
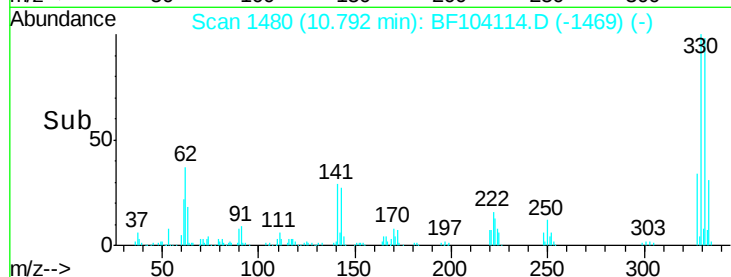
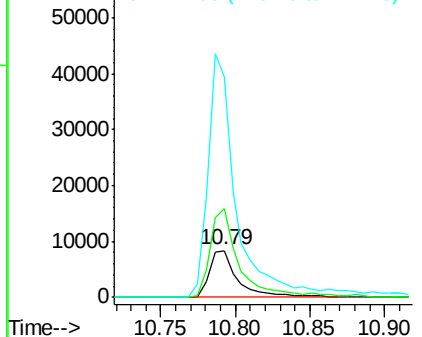
#66
4-Bromophenyl-phenylether
Concen: 3.758 ng
RT: 10.79 min Scan# 1480
Delta R.T. -0.24 min
Lab File: BF104114.D
Acq: 31 Mar 2018 00:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 11042
Ion Ratio Lower Upper
248 100
250 188.1 76.9 115.3#
141 469.5 74.4 111.6#

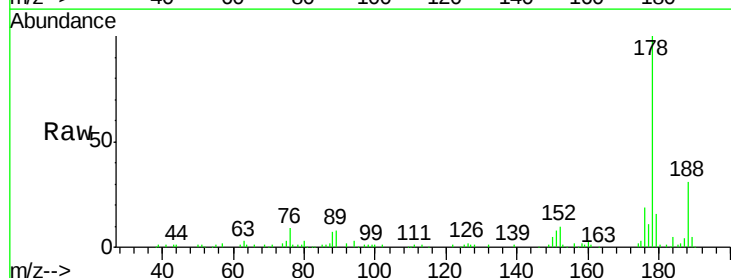


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

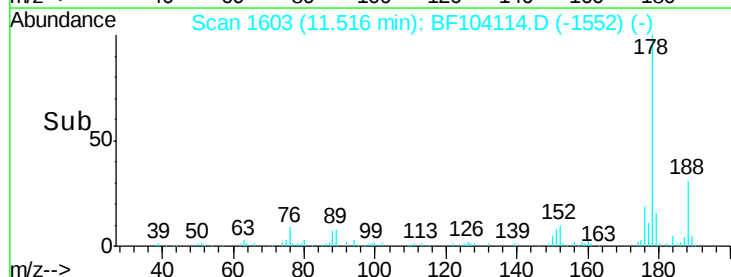
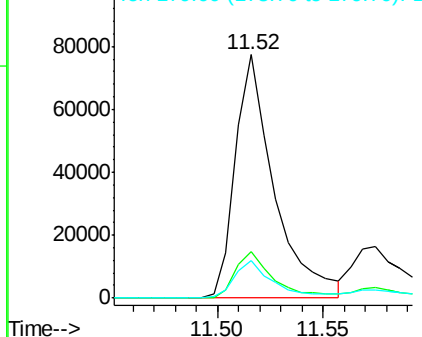


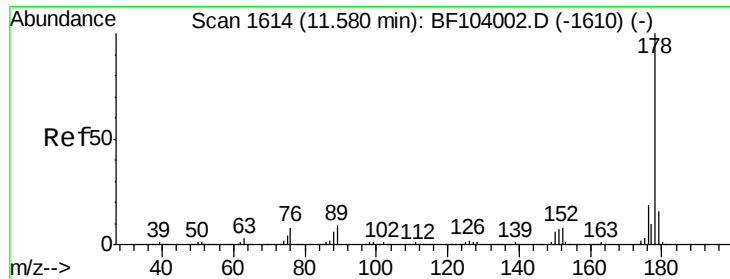
#70
Phenanthrene
Concen: 6.667 ng
RT: 11.52 min Scan# 1603
Delta R.T. 0.00 min
Lab File: BF104114.D
Acq: 31 Mar 2018 00:51

Tgt Ion:178 Resp: 99124
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.8
179 15.6 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

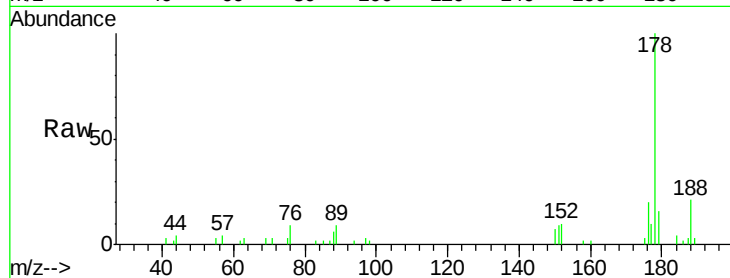




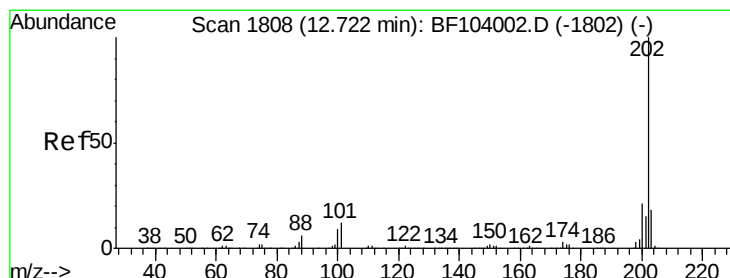
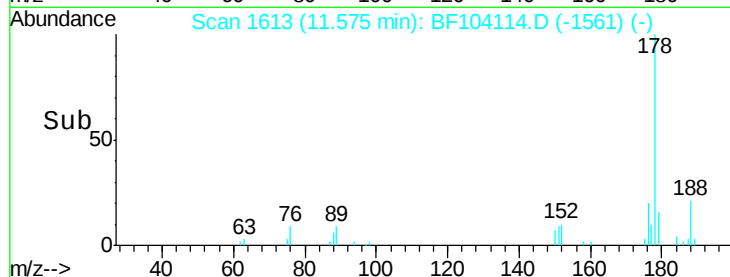
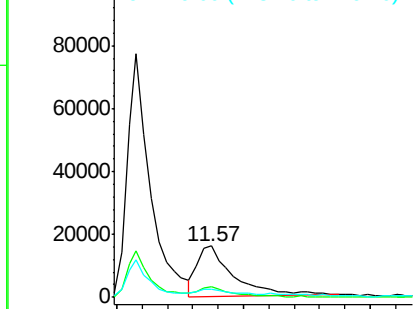
#71
 Anthracene
 Concen: 2.027 ng
 RT: 11.57 min Scan# 1613
 Delta R.T. 0.01 min
 Lab File: BF104114.D
 Acq: 31 Mar 2018 00:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 31483
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.4 23.2
 179 16.3 12.6 19.0

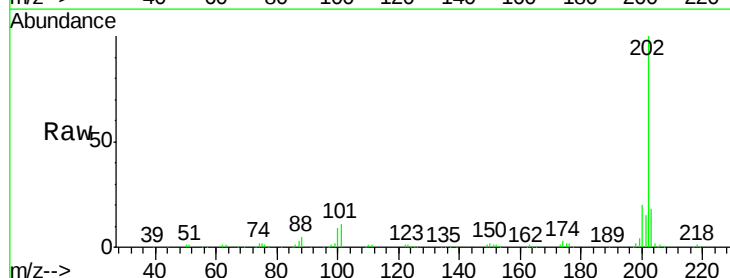


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

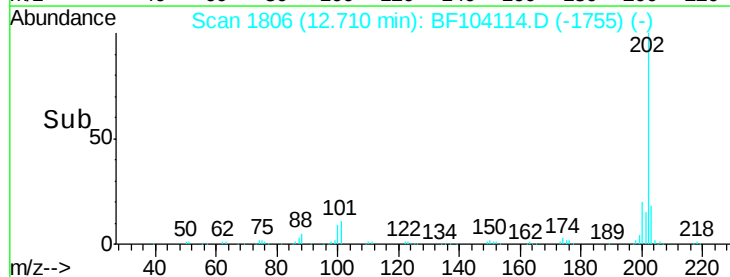
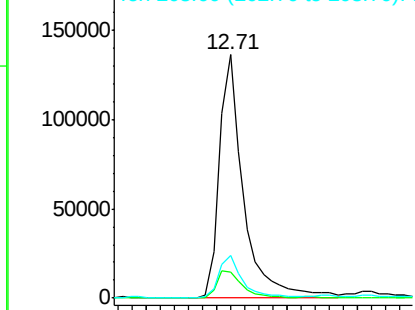


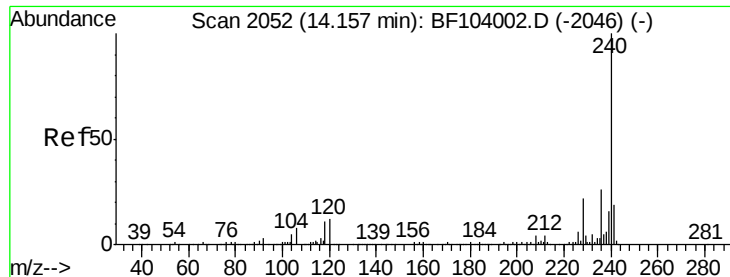
#74
 Fluoranthene
 Concen: 10.345 ng
 RT: 12.71 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: BF104114.D
 Acq: 31 Mar 2018 00:51

Tgt Ion:202 Resp: 163497
 Ion Ratio Lower Upper
 202 100
 101 10.8 0.0 34.1
 203 17.6 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: 14.14 min Scan# 2050

Delta R.T. 0.00 min

Lab File: BF104114.D

Acq: 31 Mar 2018 00:51

Instrument :

BNA_F

ClientSampleId :

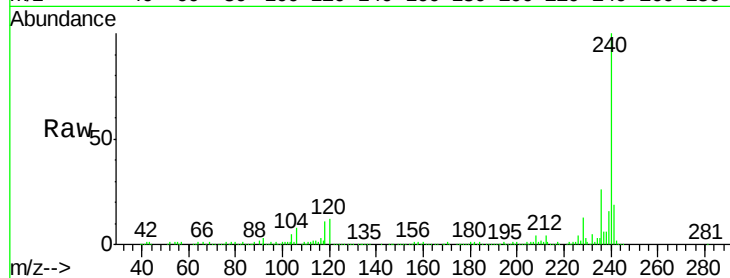
Tot Ion:240 Resp: 222237

Ion Ratio Lower Upper

240 100

120 11.7 9.5 14.3

236 25.8 20.7 31.1

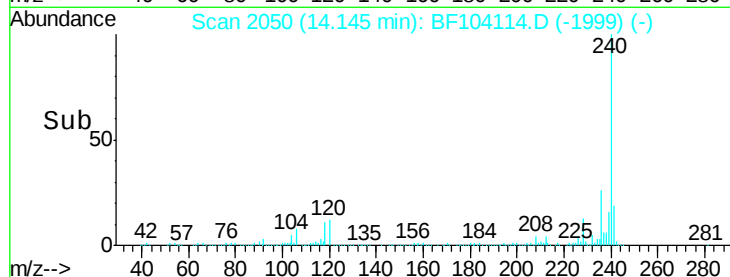


Abundance Ion 240.00 (239.70 to 240.70): E

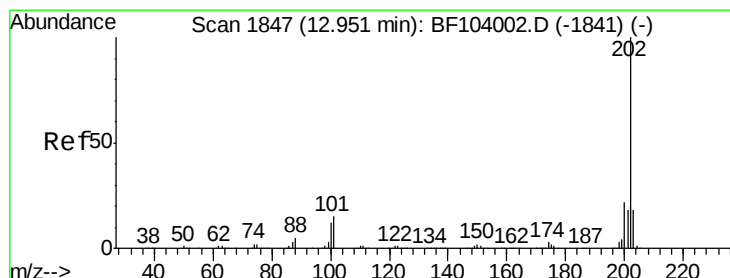
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

14.14



Time-->



#77

Pyrene

Concen: 8.881 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF104114.D

Acq: 31 Mar 2018 00:51

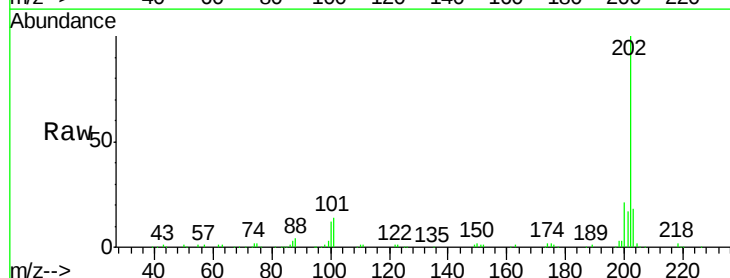
Tgt Ion:202 Resp: 141883

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

203 18.4 14.3 21.5

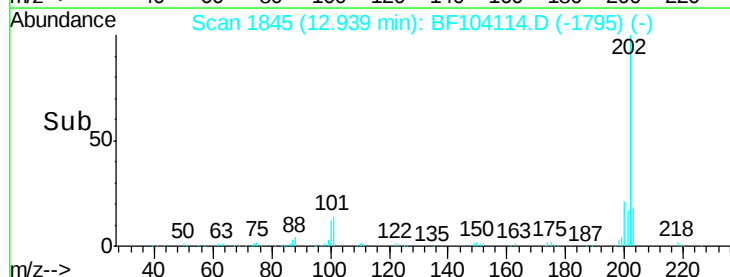


Abundance Ion 202.00 (201.70 to 202.70): E

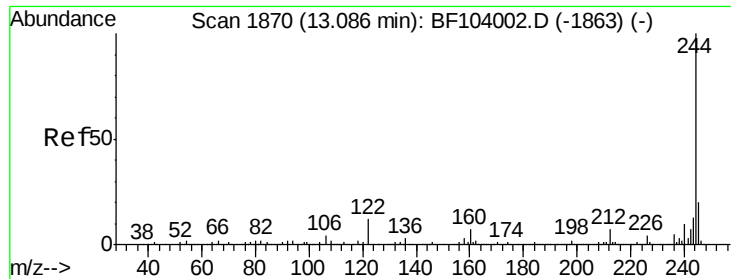
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

12.94



Time-->



#78

Terphenyl-d14

Concen: 70.268 ng

RT: 13.07 min Scan# 1868

Delta R.T. 0.00 min

Lab File: BF104114.D

Acq: 31 Mar 2018 00:51

Instrument :

BNA_F

ClientSampleId :

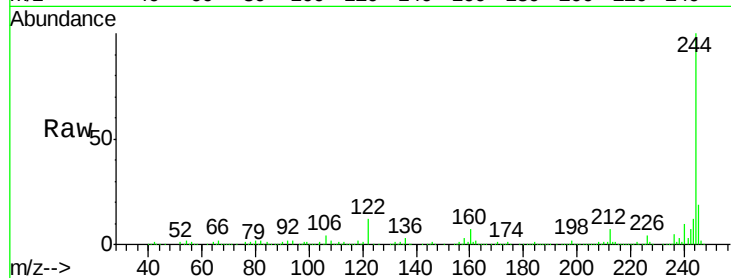
Tot Ion:244 Resp: 676327

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

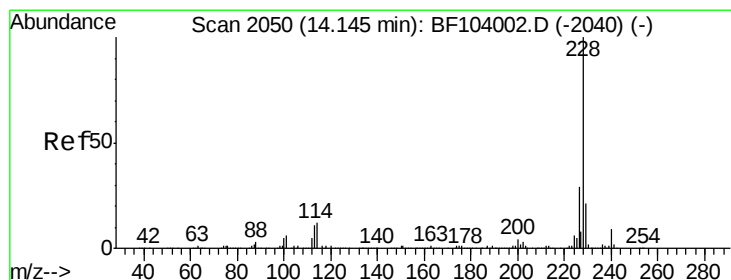
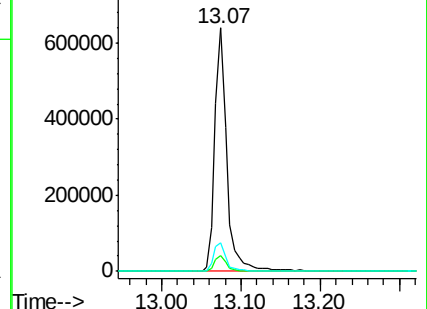
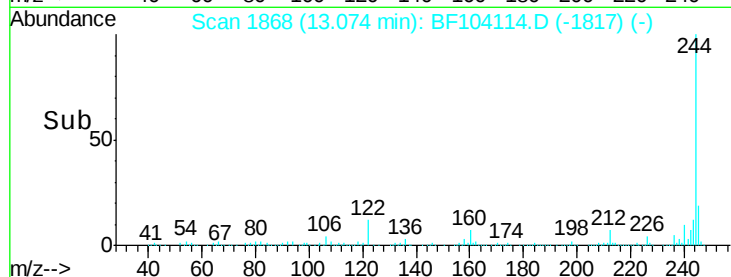
122 12.0 11.0 16.4



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: 5.272 ng

RT: 14.13 min Scan# 2048

Delta R.T. 0.00 min

Lab File: BF104114.D

Acq: 31 Mar 2018 00:51

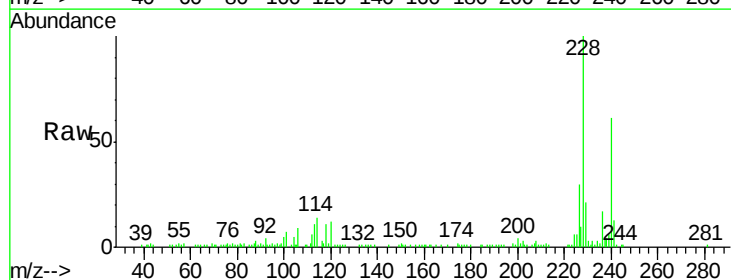
Tgt Ion:228 Resp: 73315

Ion Ratio Lower Upper

228 100

226 29.8 22.6 33.8

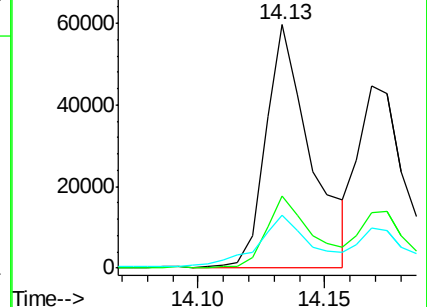
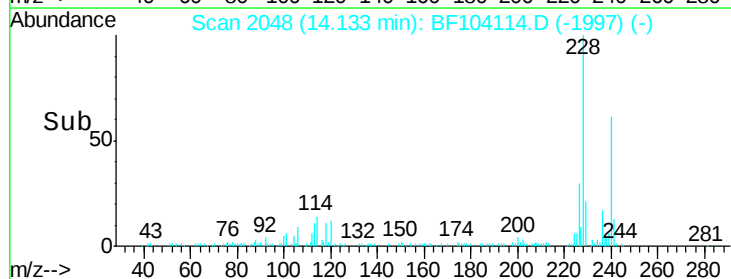
229 21.5 15.8 23.6

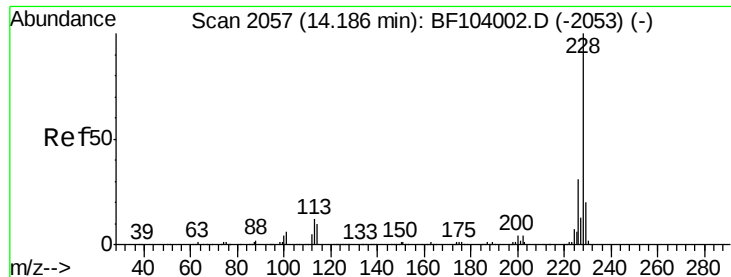


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.509 ng

RT: 14.17 min Scan# 2054

Delta R.T. -0.01 min

Lab File: BF104114.D

Acq: 31 Mar 2018 00:51

Instrument :

BNA_F

ClientSampleId :

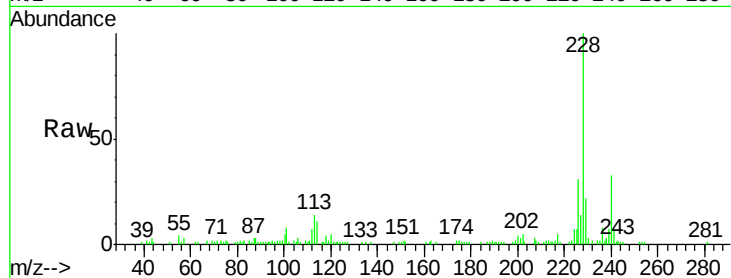
Tot Ion:228 Resp: 61414

Ion Ratio Lower Upper

228 100

226 30.7 25.0 37.6

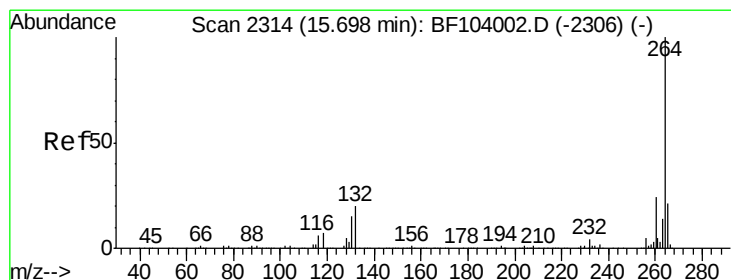
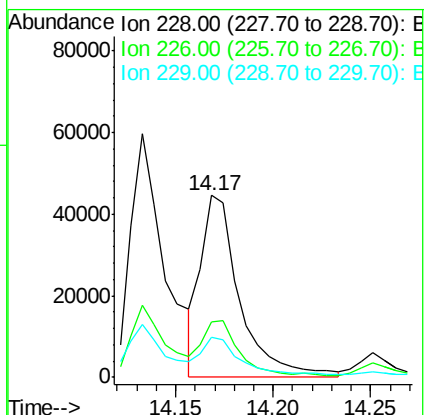
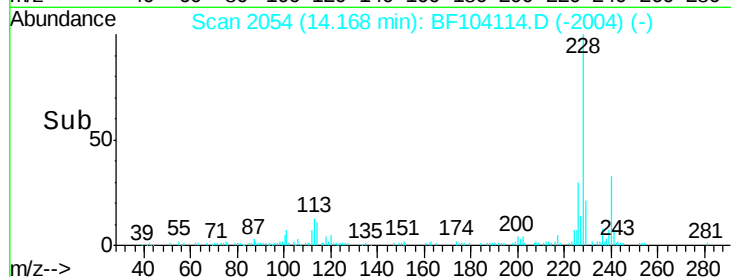
229 22.3 16.2 24.4



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: 15.68 min Scan# 2311

Delta R.T. 0.00 min

Lab File: BF104114.D

Acq: 31 Mar 2018 00:51

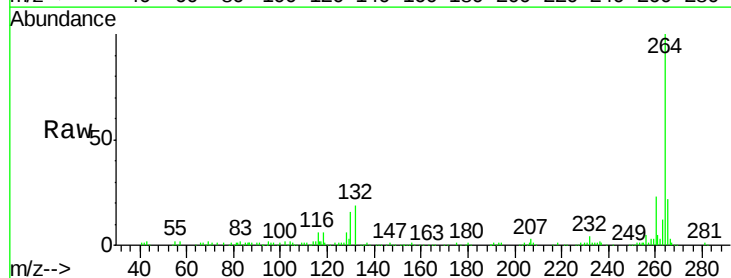
Tgt Ion:264 Resp: 186397

Ion Ratio Lower Upper

264 100

260 23.0 19.2 28.8

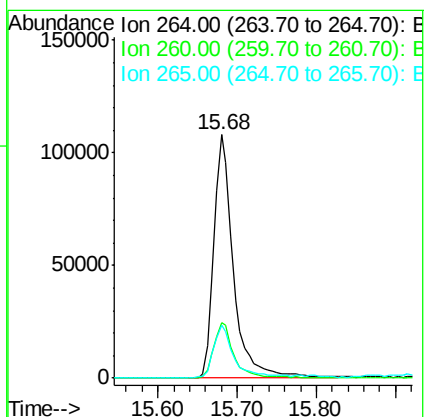
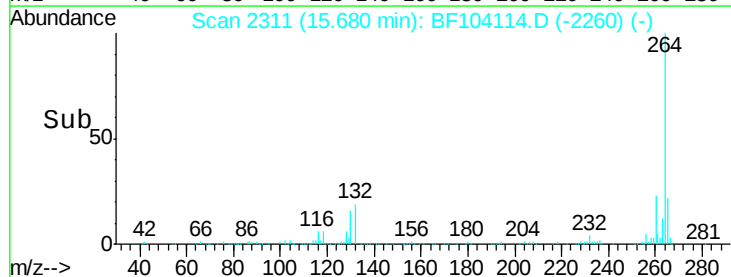
265 22.0 17.5 26.3

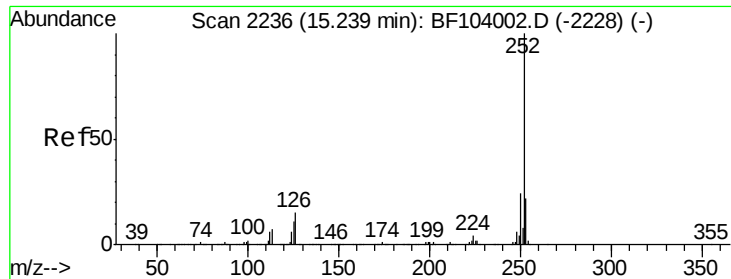


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

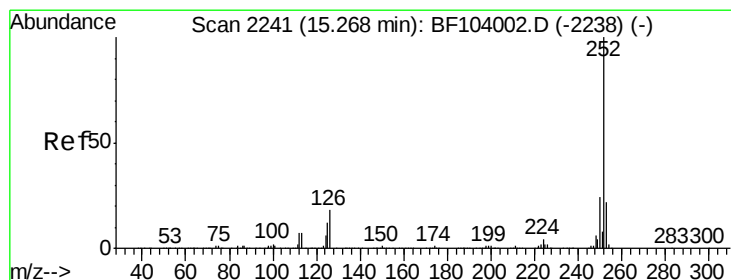
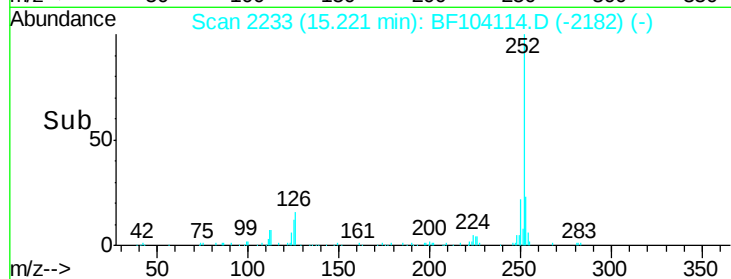
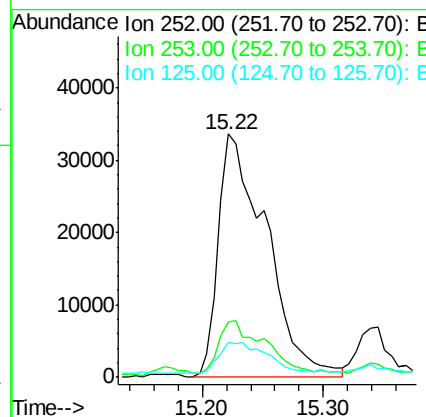
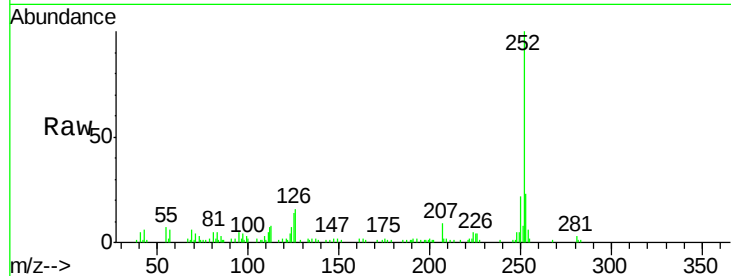




#87
Benzo(b)fluoranthene
Concen: 8.162 ng
RT: 15.22 min Scan# 2233
Delta R.T. 0.00 min
Lab File: BF104114.D
Acq: 31 Mar 2018 00:51

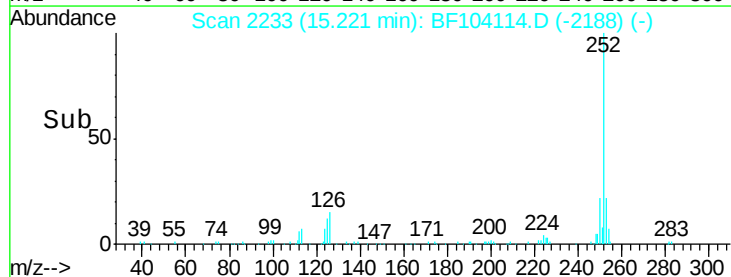
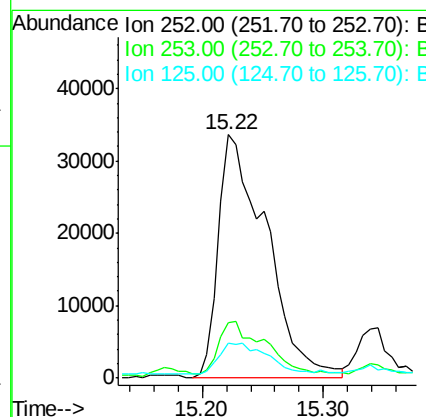
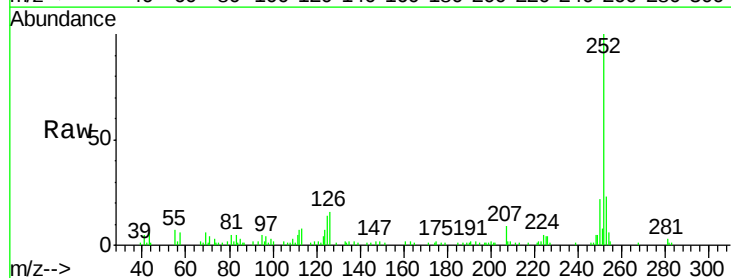
Instrument :
BNA_F
ClientSampleId :

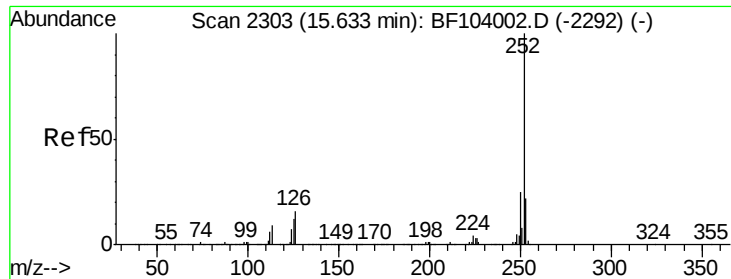
Tot Ion:252 Resp: 92593
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.6
125 14.2 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 8.665 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.04 min
Lab File: BF104114.D
Acq: 31 Mar 2018 00:51

Tgt Ion:252 Resp: 92593
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 14.2 10.2 15.2





#89

Benzo(a)pyrene

Concen: 4.491 ng

RT: 15.62 min Scan# 2300

Delta R.T. 0.00 min

Lab File: BF104114.D

Acq: 31 Mar 2018 00:51

Instrument :

BNA_F

ClientSampleId :

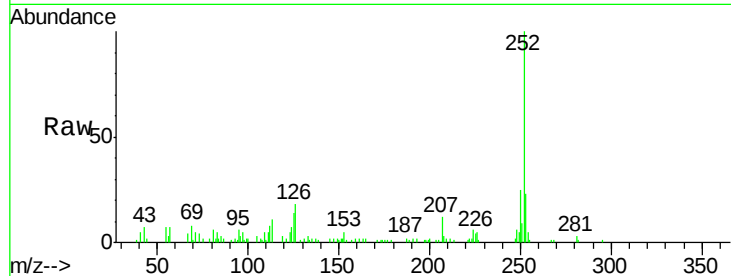
Tot Ion:252 Resp: 47208

Ion Ratio Lower Upper

252 100

253 23.3 17.1 25.7

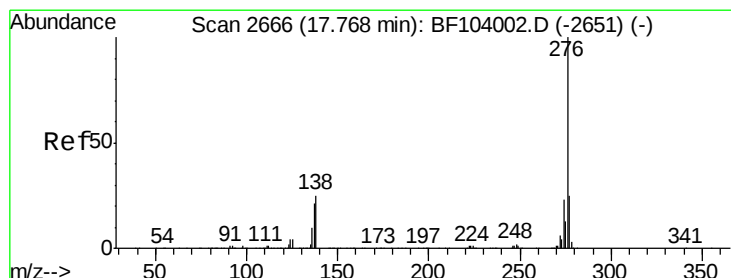
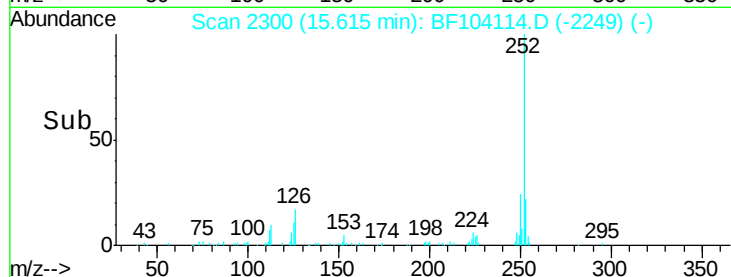
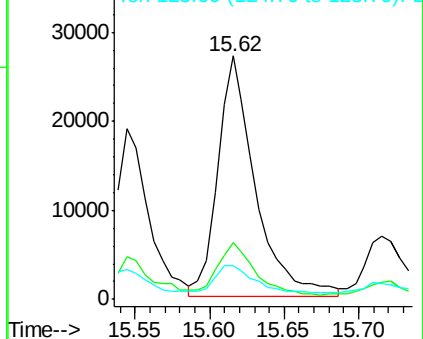
125 14.0 9.8 14.6



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: 2.244 ng

RT: 17.74 min Scan# 2662

Delta R.T. 0.00 min

Lab File: BF104114.D

Acq: 31 Mar 2018 00:51

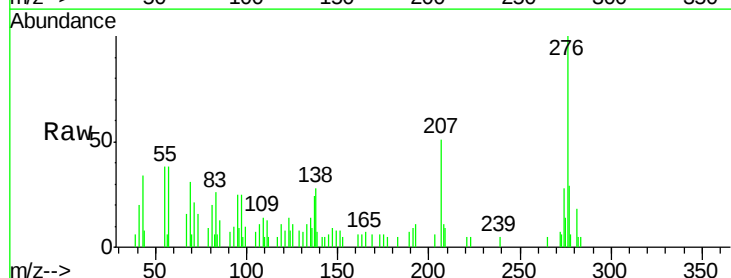
Tgt Ion:276 Resp: 21845

Ion Ratio Lower Upper

276 100

277 29.2 17.9 26.9#

138 28.1 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

