

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040418\
 Data File : BF104240.D
 Acq On : 4 Apr 2018 21:54
 Operator : JU/SJ
 Sample : J2207-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 05 01:01:54 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 04 18:06:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	118420	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	507989	20.00	ng	0.00
38) Acenaphthene-d10	9.99	164	213456	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	323471	20.00	ng	0.00
75) Chrysene-d12	14.14	240	236809	20.00	ng	0.00
86) Perylene-d12	15.68	264	201368	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	832273	112.08	ng	0.00
7) Phenol-d6	6.59	99	1117063	122.27	ng	-0.01
23) Nitrobenzene-d5	7.52	82	654403	78.78	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	230960	97.17	ng	0.00
44) 2-Fluorobiphenyl	9.30	172	1131408	83.58	ng	0.00
78) Terphenyl-d14	13.07	244	788374	76.87	ng	0.00

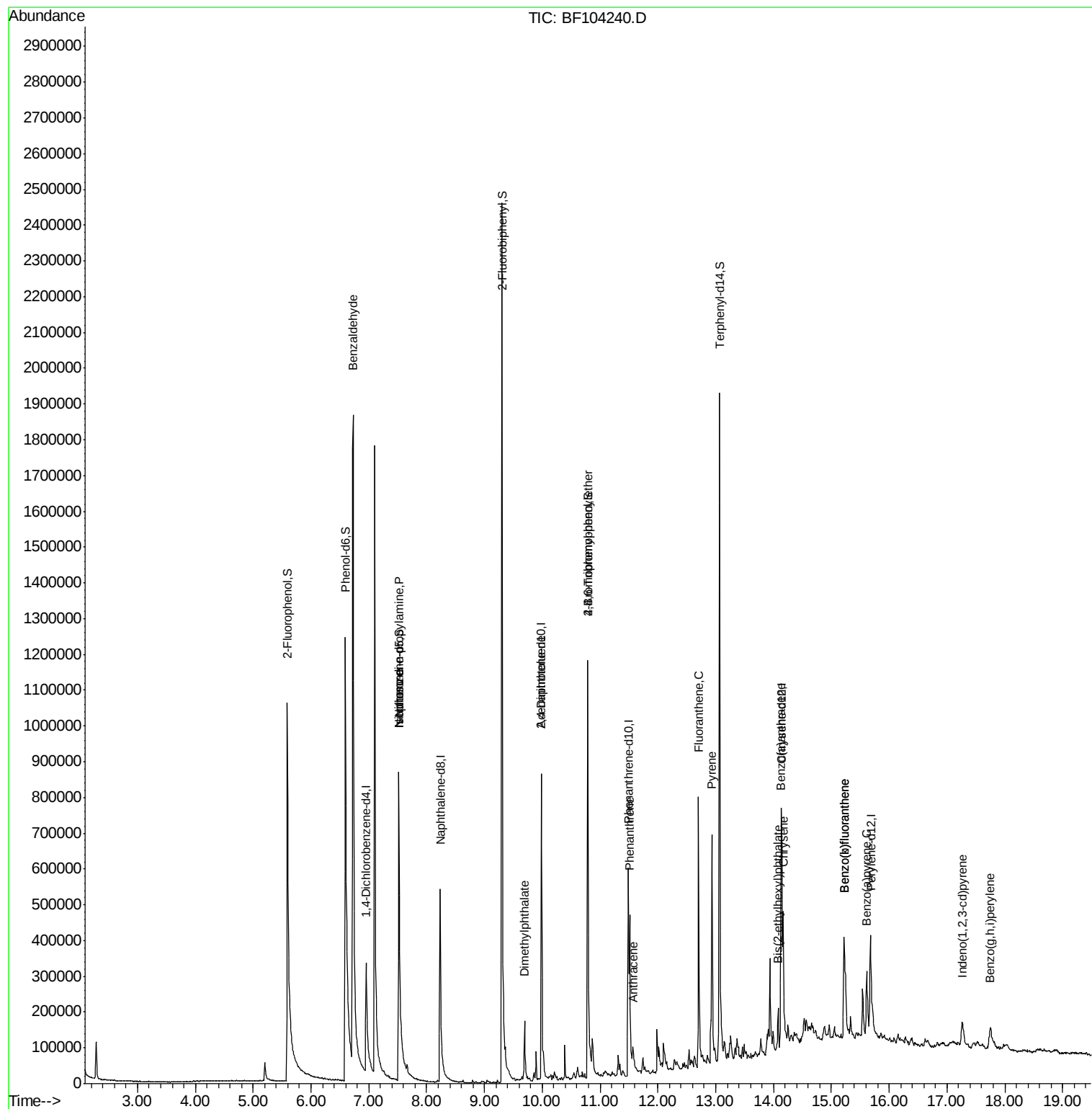
Target Compounds				Qvalue		
9) Benzaldehyde	6.73	77	17419	2.393	ng	87
19) n-Nitroso-di-n-propylamine	7.52	70	75092	13.850	ng	# 73
25) Isophorone	7.52	82	662262	43.262	ng	# 64
49) Dimethylphthalate	9.69	163	101103	5.999	ng	99
56) 2,4-Dinitrotoluene	9.99	165	27534	5.951	ng	# 22
66) 4-Bromophenyl-phenylether	10.79	248	13632	3.939	ng	# 1
70) Phenanthrene	11.51	178	205266	11.721	ng	98
71) Anthracene	11.57	178	65480	3.580	ng	97
74) Fluoranthene	12.70	202	383242	20.587	ng	98
77) Pyrene	12.93	202	332863	19.553	ng	98
80) Benzo(a)anthracene	14.13	228	179862	12.138	ng	98
82) Chrysene	14.17	228	170564	11.752	ng	96
83) Bis(2-ethylhexyl)phthalate	14.08	149	30293	2.923	ng	99
85) Indeno(1,2,3-cd)pyrene	17.27	276	67989	4.521	ng	# 89
87) Benzo(b)fluoranthene	15.22	252	275294	22.464	ng	97
88) Benzo(k)fluoranthene	15.22	252	275294	23.847	ng	99
89) Benzo(a)pyrene	15.62	252	134580	11.850	ng	97
91) Benzo(g,h,i)perylene	17.75	276	61414	5.839	ng	91

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

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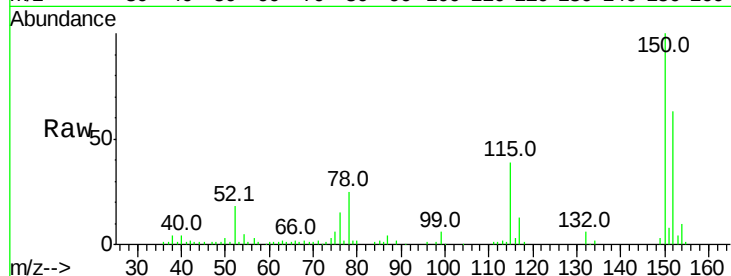


#1

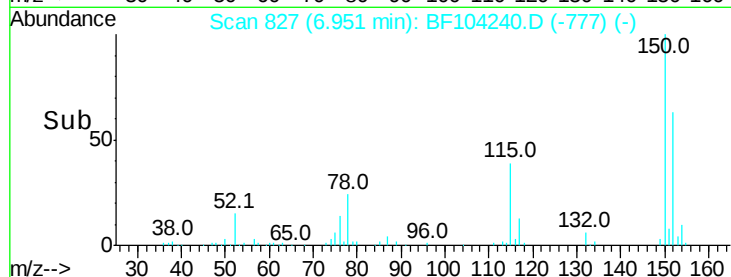
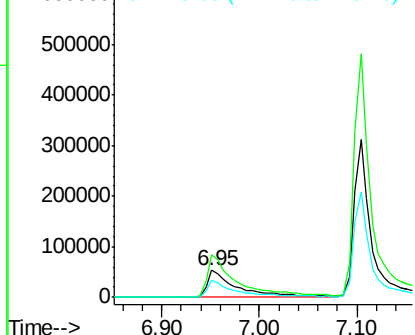
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF104240.D
Acq: 4 Apr 2018 21:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 118420
Ion Ratio Lower Upper
152 100
150 158.6 124.6 186.8
115 62.2 50.1 75.1



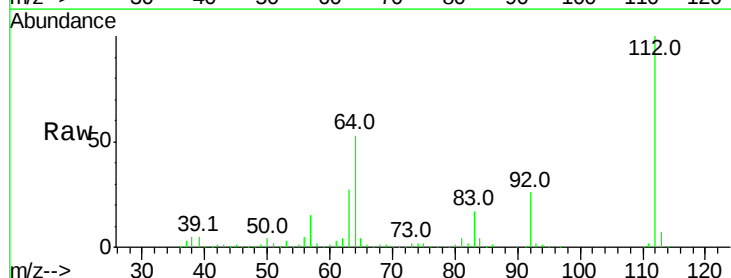
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



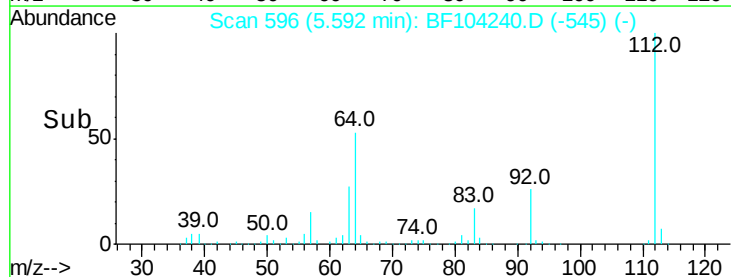
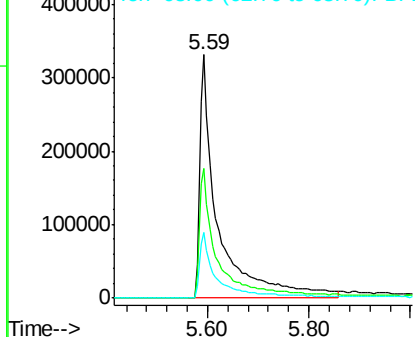
#5

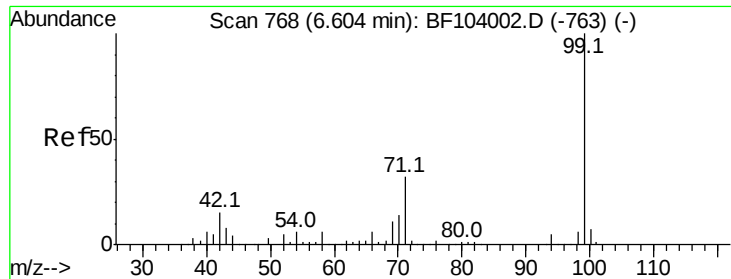
2-Fluorophenol
Concen: 112.081 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.00 min
Lab File: BF104240.D
Acq: 4 Apr 2018 21:54

Tgt Ion:112 Resp: 832273
Ion Ratio Lower Upper
112 100
64 53.4 47.9 71.9
63 27.0 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: 122.274 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF104240.D

Acq: 4 Apr 2018 21:54

Instrument :

BNA_F

ClientSampleId :

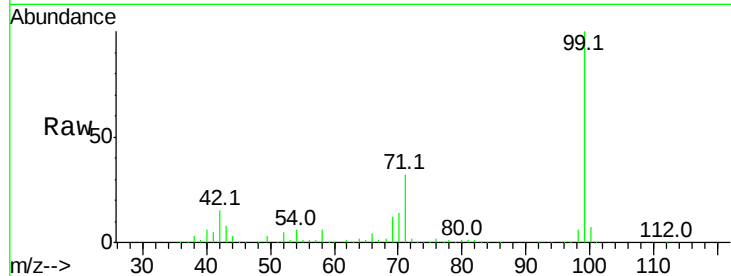
Tot Ion: 99 Resp: 1117063

Ion Ratio Lower Upper

99 100

42 15.2 14.5 21.7

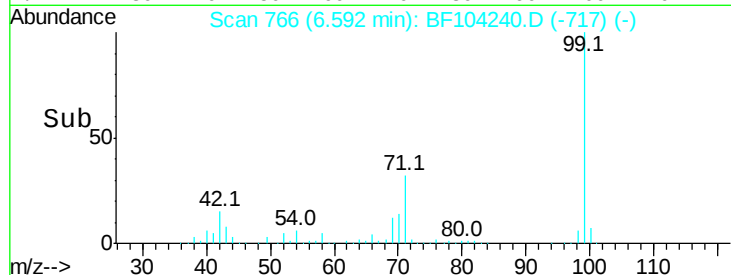
71 32.1 25.4 38.0



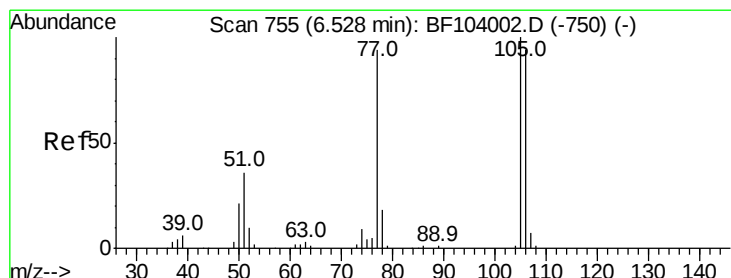
Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1

6.59

6.60 6.80



Time-->



#9

Benzaldehyde

Concen: 2.393 ng

RT: 6.73 min Scan# 789

Delta R.T. 0.21 min

Lab File: BF104240.D

Acq: 4 Apr 2018 21:54

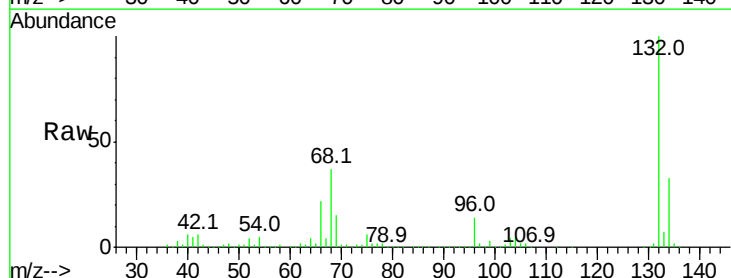
Tgt Ion: 77 Resp: 17419

Ion Ratio Lower Upper

77 100

105 87.0 81.1 121.1

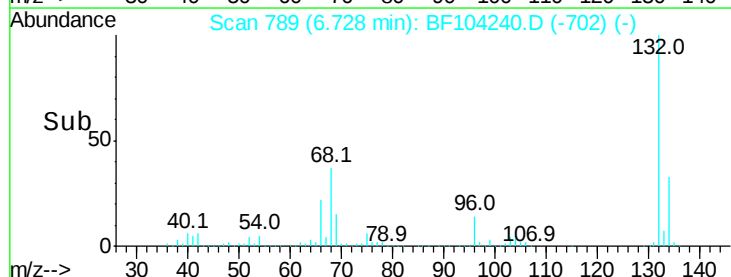
106 82.3 74.5 114.5



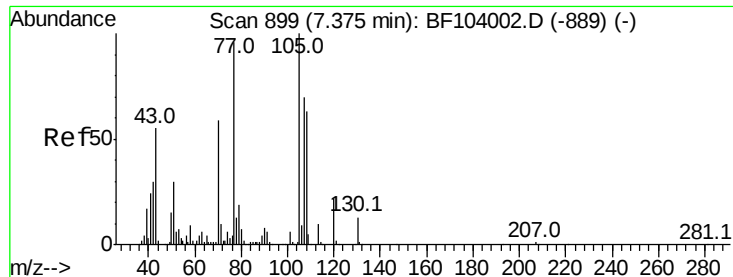
Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1

6.73

6.70 6.75 6.80



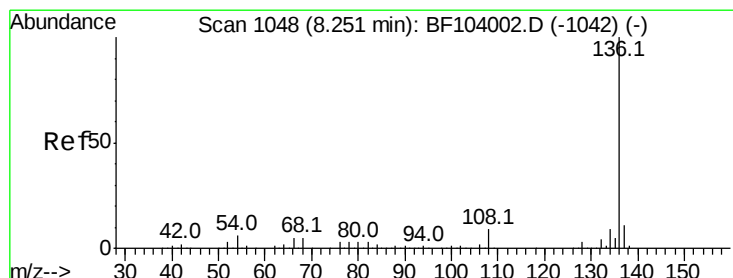
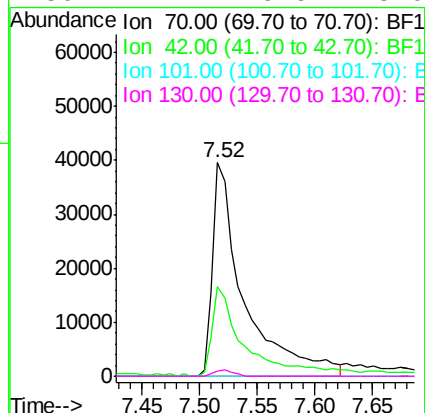
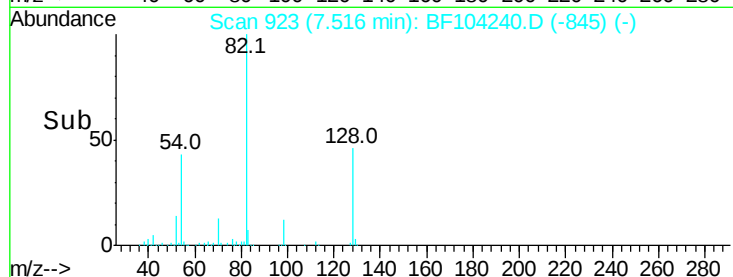
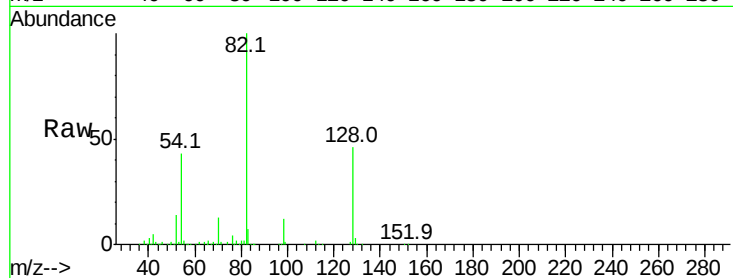
Time-->



#19
n-Nitroso-di-n-propylamine
Concen: 13.850 ng
RT: 7.52 min Scan# 923
Delta R.T. 0.16 min
Lab File: BF104240.D
Acq: 4 Apr 2018 21:54

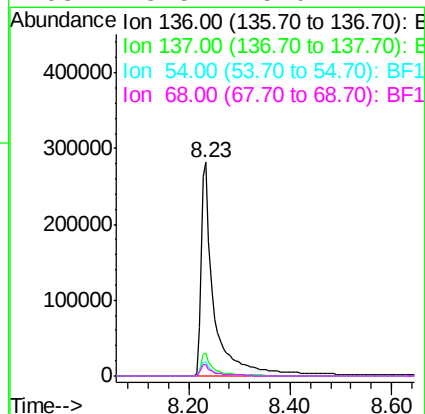
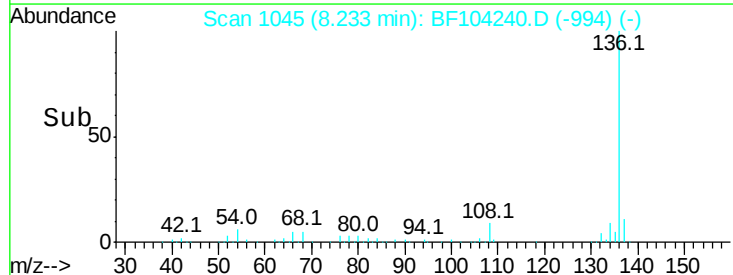
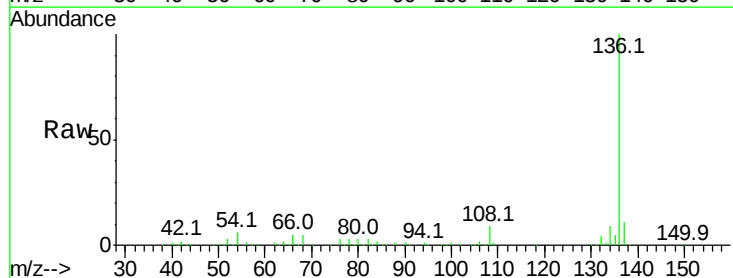
Instrument :
BNA_F
ClientSampleId :

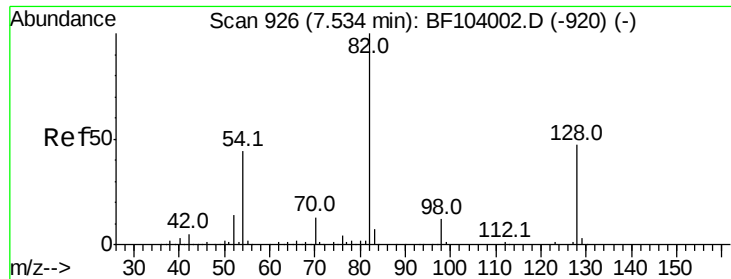
Tot Ion: 70 Resp: 75092
Ion Ratio Lower Upper
70 100
42 42.0 47.5 71.3#
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1045
Delta R.T. -0.00 min
Lab File: BF104240.D
Acq: 4 Apr 2018 21:54

Tgt Ion: 136 Resp: 507989
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 6.4 6.6 9.8#
68 5.5 5.0 7.4

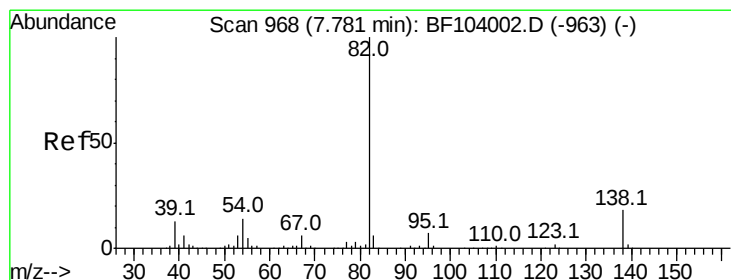
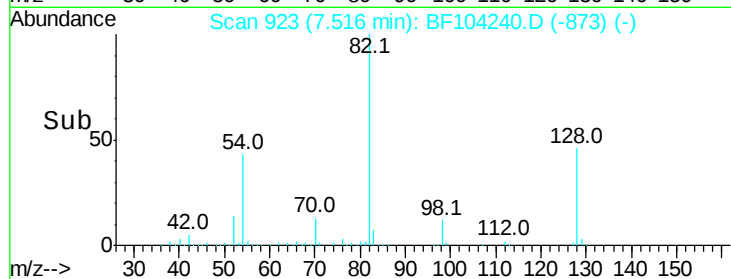
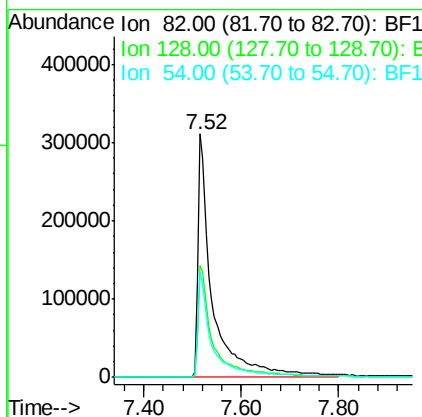
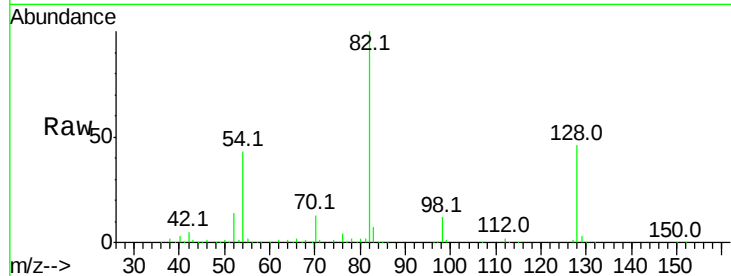




#23
 Nitrobenzene-d5
 Concen: 78.782 ng
 RT: 7.52 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: BF104240.D
 Acq: 4 Apr 2018 21:54

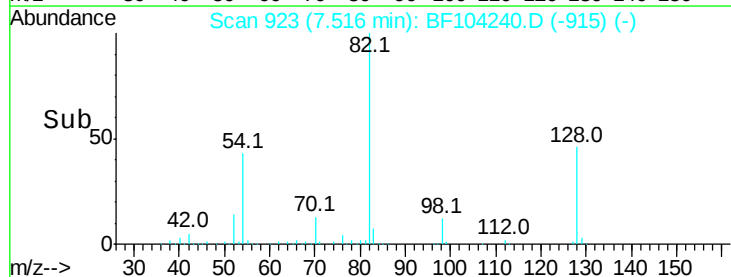
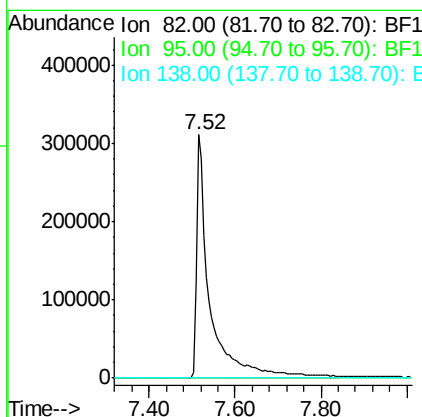
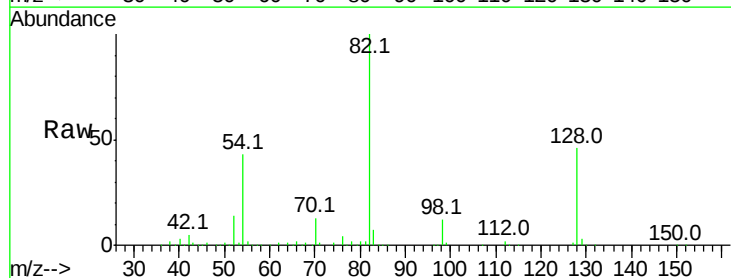
Instrument :
 BNA_F
 ClientSampleId :

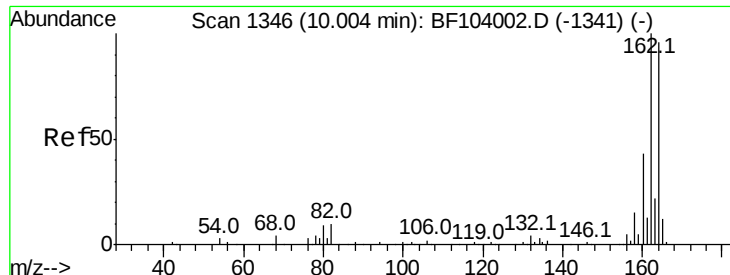
Tot Ion	Ratio	Lower	Upper
82	100		
128	45.7	36.1	54.1
54	43.1	41.4	62.2



#25
 Isophorone
 Concen: 43.262 ng
 RT: 7.52 min Scan# 923
 Delta R.T. -0.25 min
 Lab File: BF104240.D
 Acq: 4 Apr 2018 21:54

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

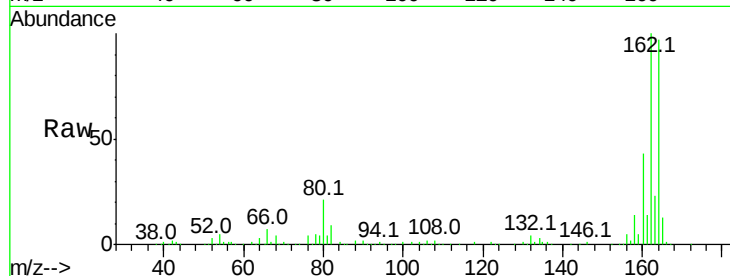




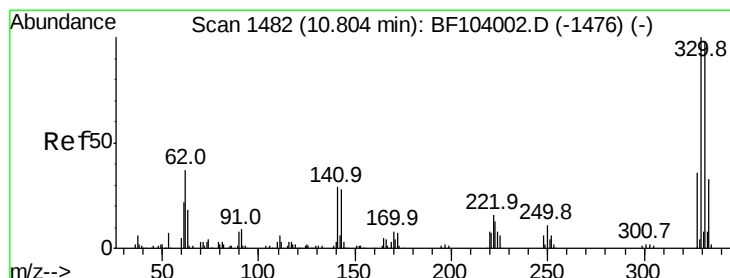
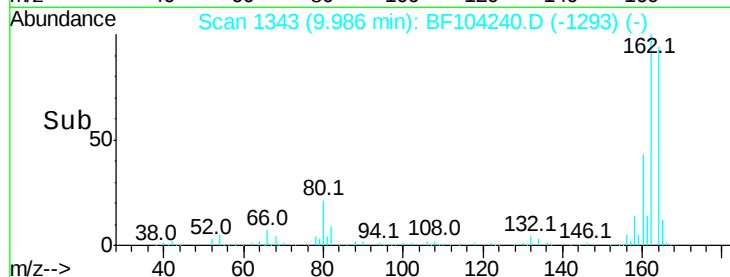
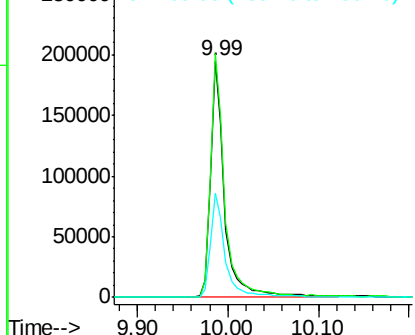
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BF104240.D
Acq: 4 Apr 2018 21:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 213456
Ion Ratio Lower Upper
164 100
162 102.9 86.1 129.1
160 44.1 38.3 57.5

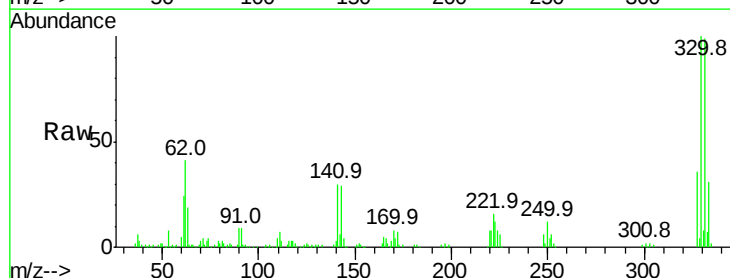


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

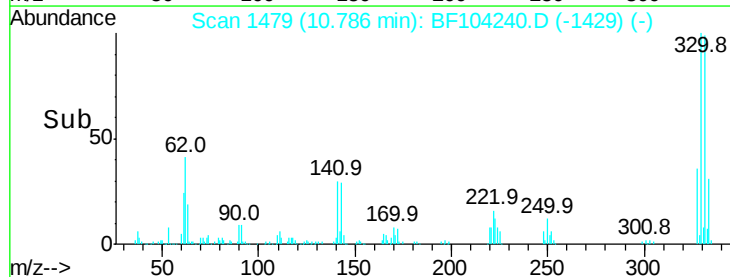
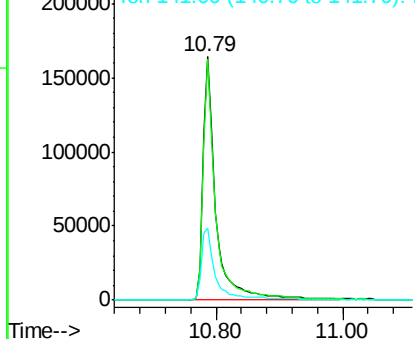


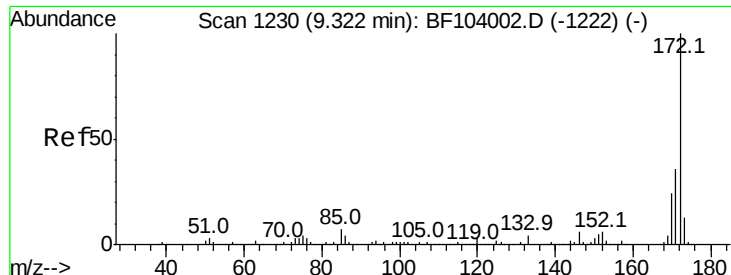
#41
2,4,6-Tribromophenol
Concen: 97.171 ng
RT: 10.79 min Scan# 1479
Delta R.T. -0.01 min
Lab File: BF104240.D
Acq: 4 Apr 2018 21:54

Tgt Ion:330 Resp: 230960
Ion Ratio Lower Upper
330 100
332 96.1 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

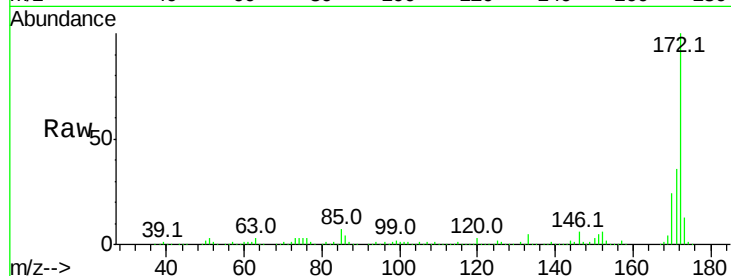




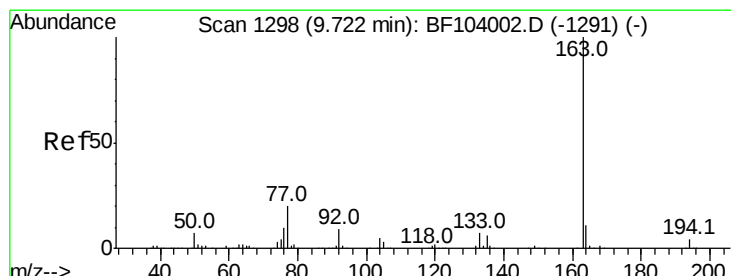
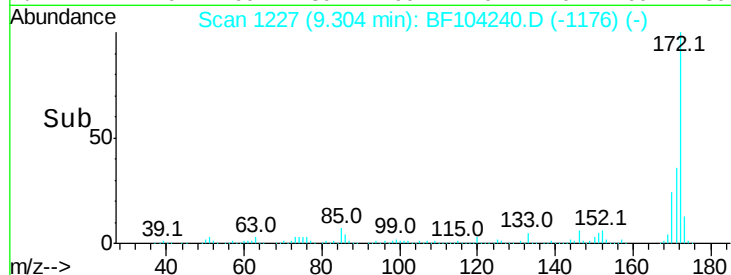
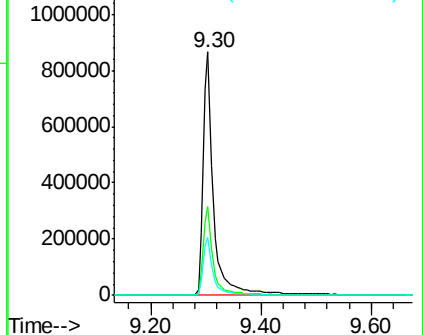
#44
2-Fluorobiphenyl
Concen: 83.583 ng
RT: 9.30 min Scan# 1227
Delta R.T. -0.00 min
Lab File: BF104240.D
Acq: 4 Apr 2018 21:54

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 1131408
Ion Ratio Lower Upper
172 100
171 36.5 29.7 44.5
170 23.8 19.6 29.4

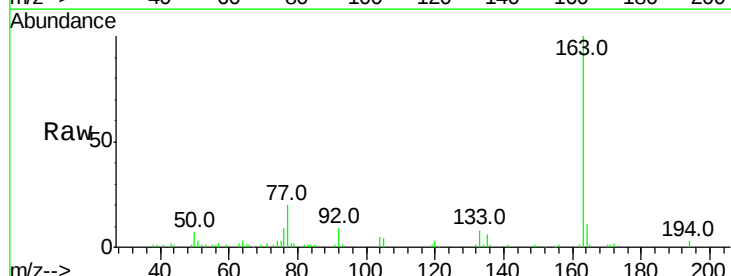


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

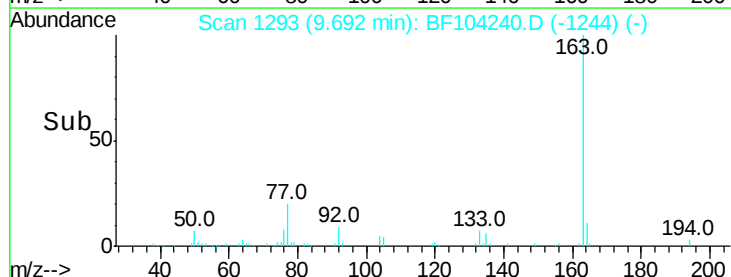
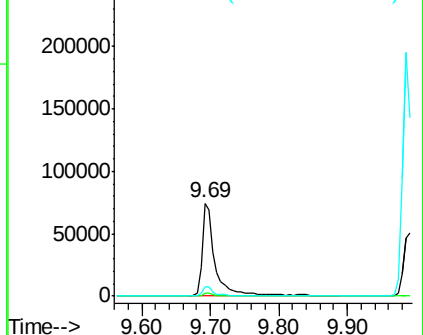


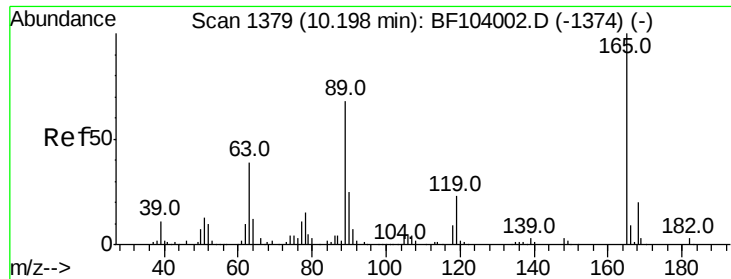
#49
Dimethylphthalate
Concen: 5.999 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF104240.D
Acq: 4 Apr 2018 21:54

Tgt Ion:163 Resp: 101103
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.5 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: 5.951 ng

RT: 9.99 min Scan# 1343

Delta R.T. -0.21 min

Lab File: BF104240.D

Acq: 4 Apr 2018 21:54

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 27534

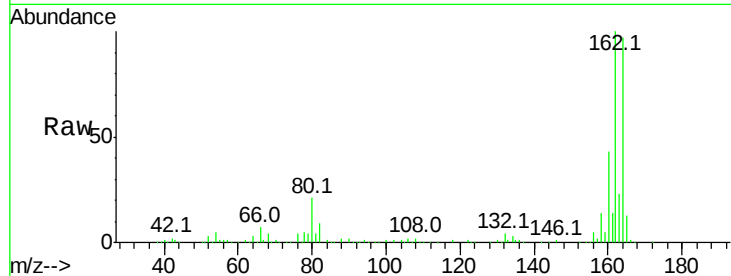
Ion Ratio Lower Upper

165 100

63 1.6 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

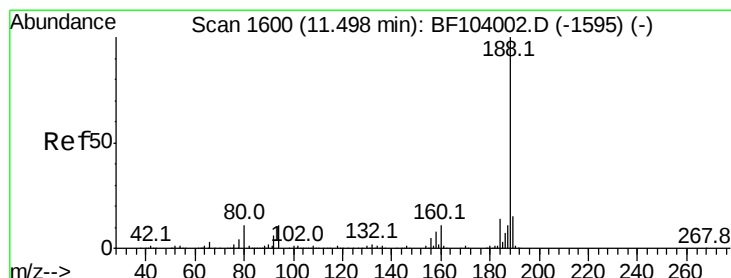
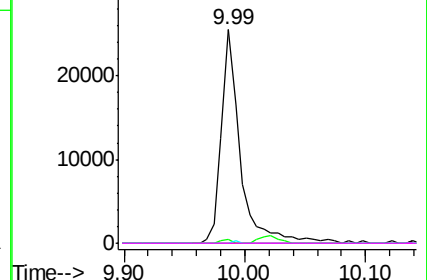
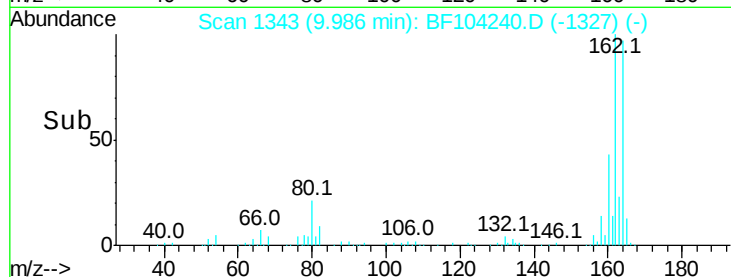


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.00 min

Lab File: BF104240.D

Acq: 4 Apr 2018 21:54

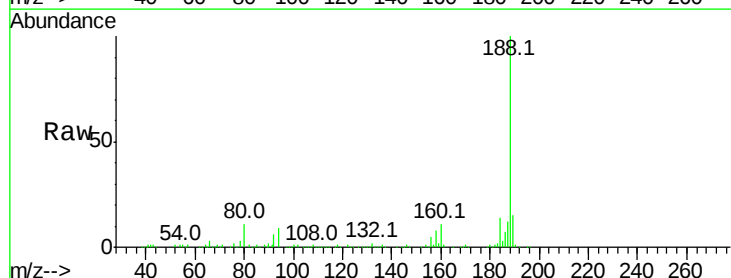
Tgt Ion:188 Resp: 323471

Ion Ratio Lower Upper

188 100

94 9.4 8.5 12.7

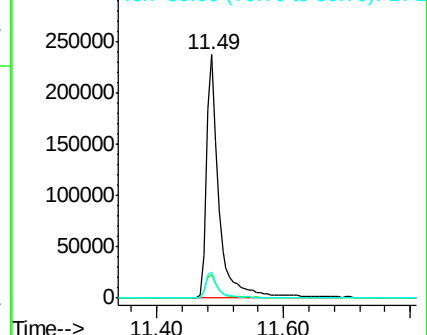
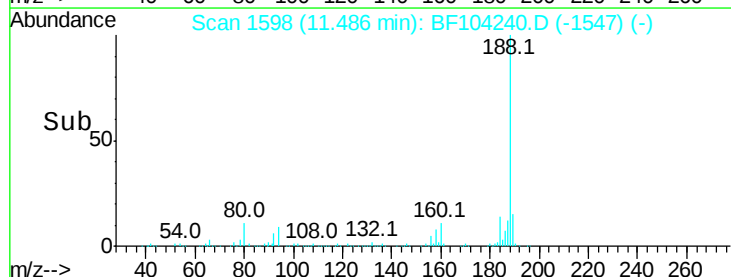
80 10.7 9.2 13.8

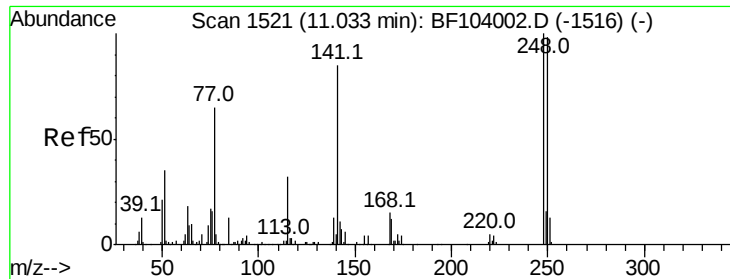


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

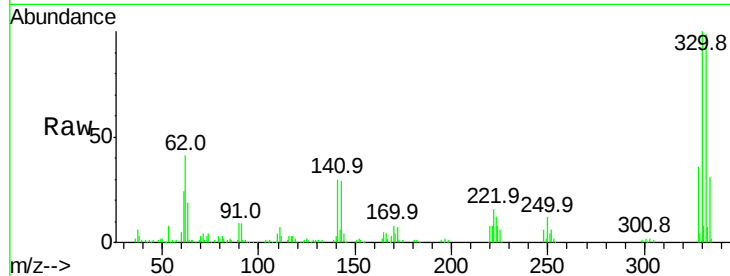




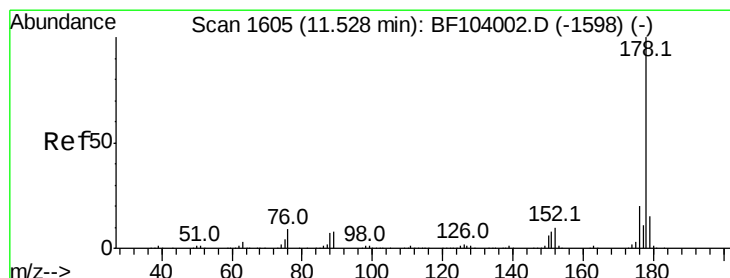
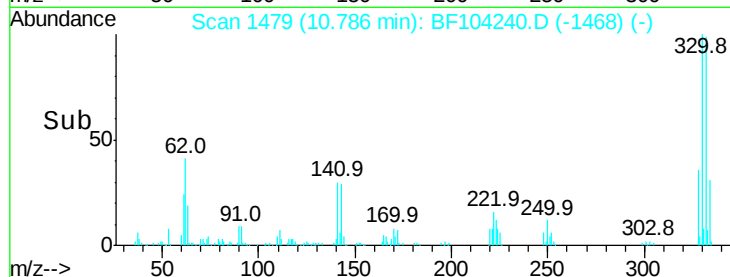
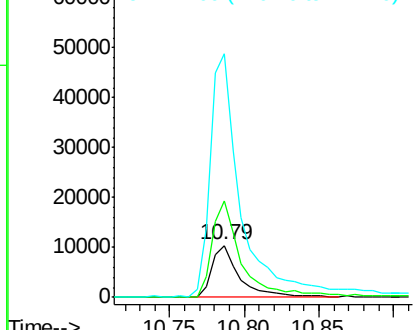
#66
4-Bromophenyl-phenylether
Concen: 3.939 ng
RT: 10.79 min Scan# 1479
Delta R.T. -0.24 min
Lab File: BF104240.D
Acq: 4 Apr 2018 21:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 13632
Ion Ratio Lower Upper
248 100
250 187.5 76.9 115.3#
141 471.6 74.4 111.6#

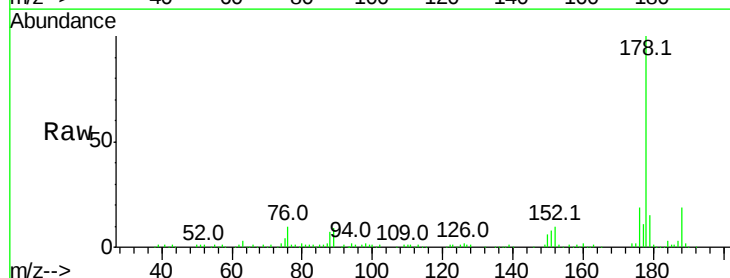


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

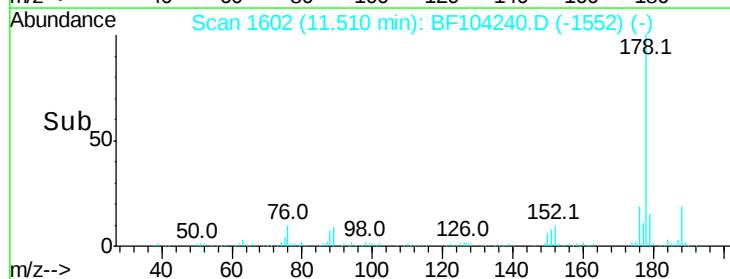
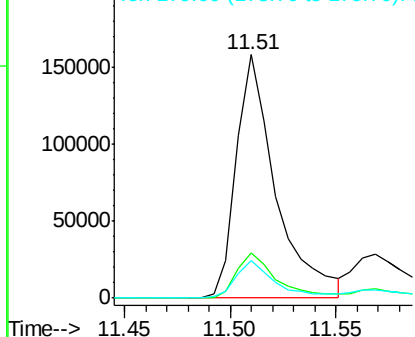


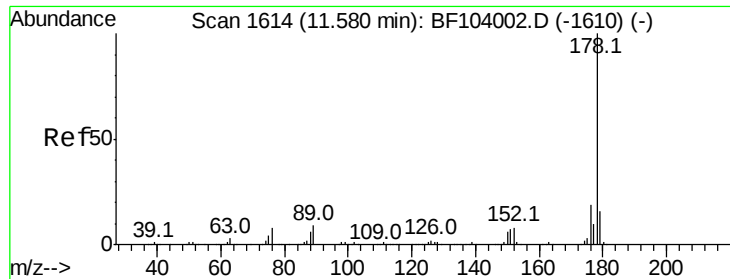
#70
Phenanthrene
Concen: 11.721 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.01 min
Lab File: BF104240.D
Acq: 4 Apr 2018 21:54

Tgt Ion:178 Resp: 205266
Ion Ratio Lower Upper
178 100
176 18.5 15.8 23.8
179 15.4 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

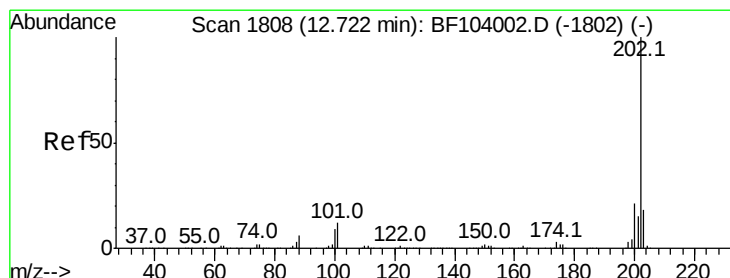
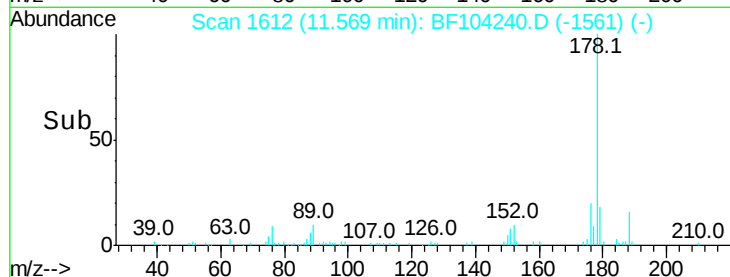
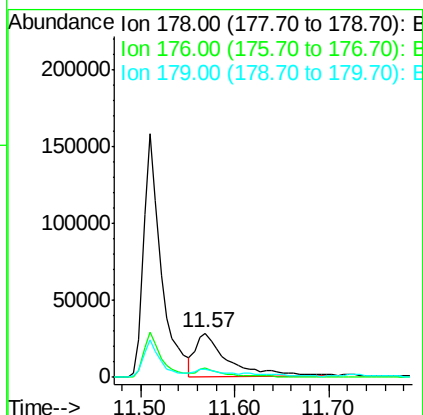
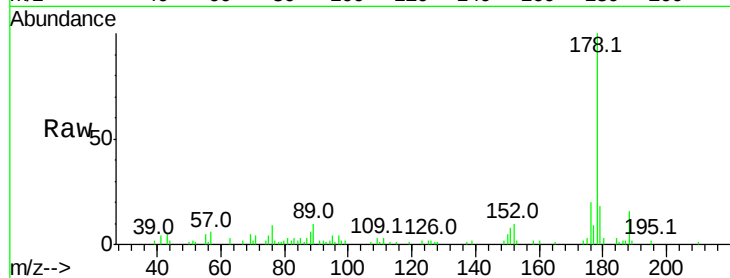




#71
 Anthracene
 Concen: 3.580 ng
 RT: 11.57 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: BF104240.D
 Acq: 4 Apr 2018 21:54

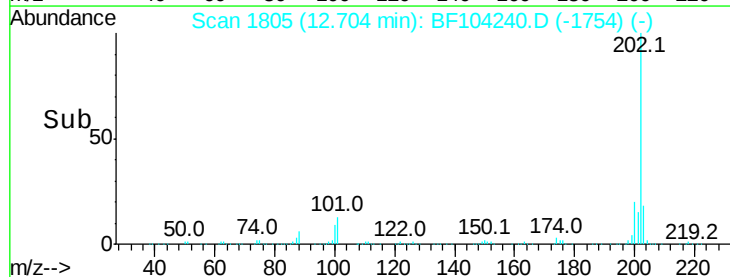
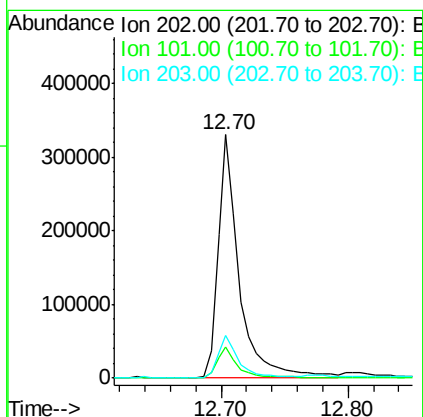
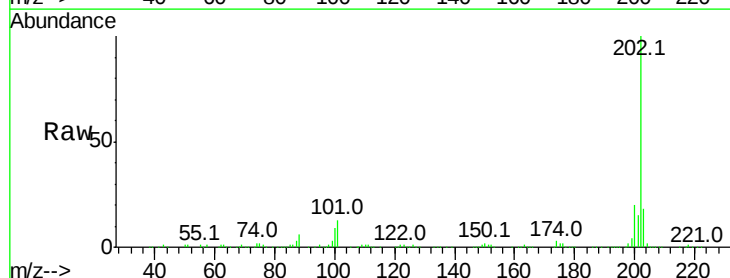
Instrument :
 BNA_F
 ClientSampleId :

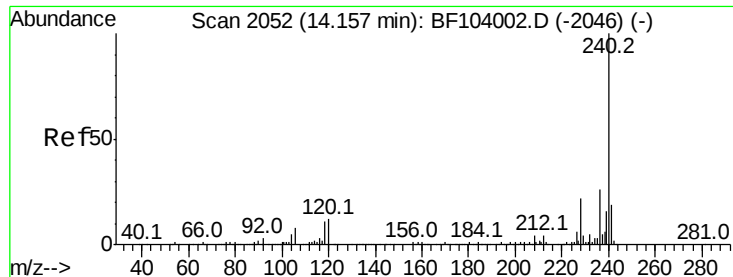
Tot Ion:178 Resp: 65480
 Ion Ratio Lower Upper
 178 100
 176 20.2 15.4 23.2
 179 17.9 12.6 19.0



#74
 Fluoranthene
 Concen: 20.587 ng
 RT: 12.70 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: BF104240.D
 Acq: 4 Apr 2018 21:54

Tgt Ion:202 Resp: 383242
 Ion Ratio Lower Upper
 202 100
 101 12.7 0.0 34.1
 203 17.6 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2049

Delta R.T. -0.01 min

Lab File: BF104240.D

Acq: 4 Apr 2018 21:54

Instrument :

BNA_F

ClientSampled :

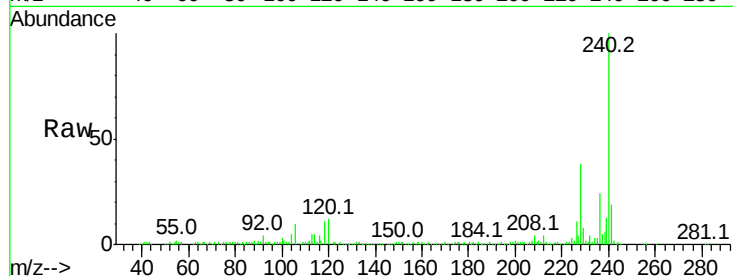
Tot Ion:240 Resp: 236809

Ion Ratio Lower Upper

240 100

120 12.4 9.5 14.3

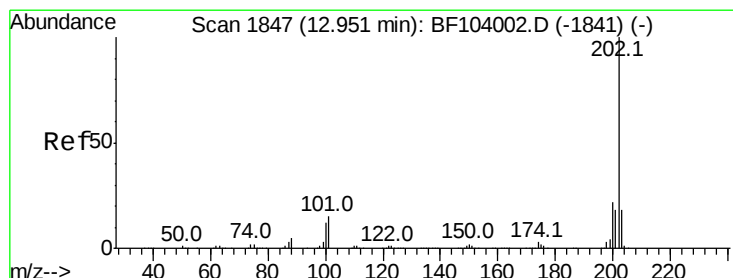
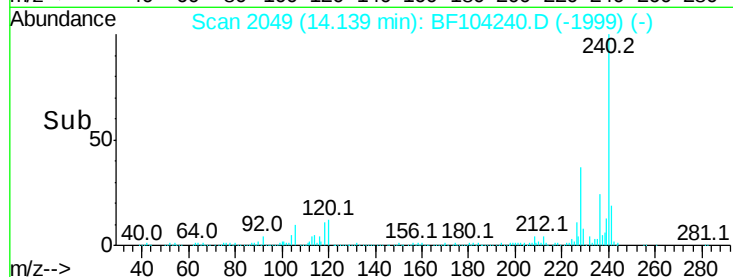
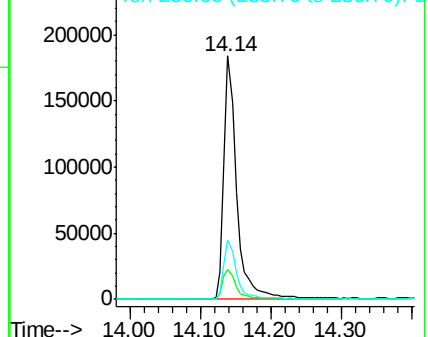
236 24.4 20.7 31.1



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: 19.553 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BF104240.D

Acq: 4 Apr 2018 21:54

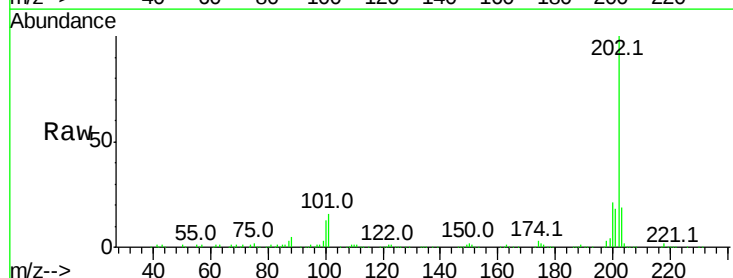
Tgt Ion:202 Resp: 332863

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

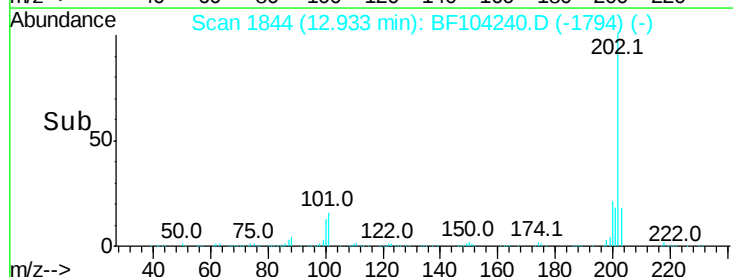
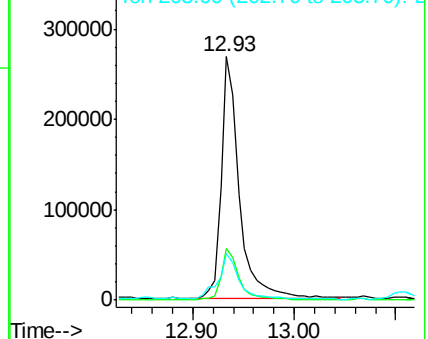
203 18.9 14.3 21.5

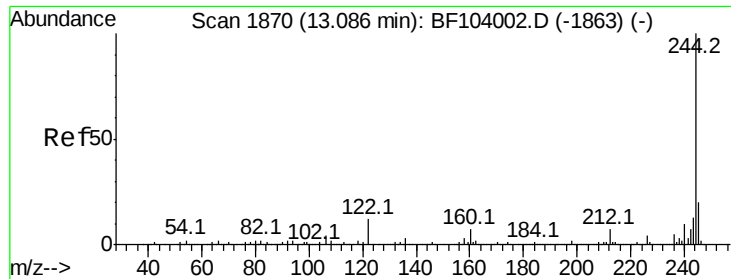


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 76.869 ng

RT: 13.07 min Scan# 1867

Delta R.T. -0.00 min

Lab File: BF104240.D

Acq: 4 Apr 2018 21:54

Instrument :

BNA_F

ClientSampleId :

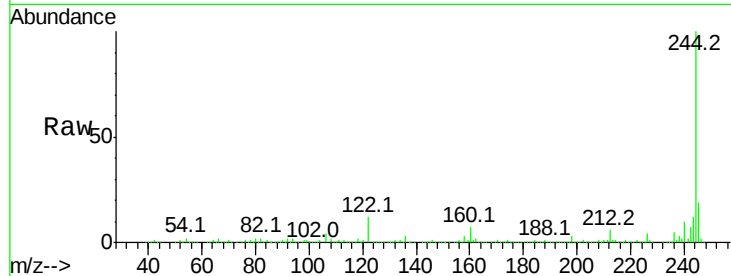
Tot Ion:244 Resp: 788374

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

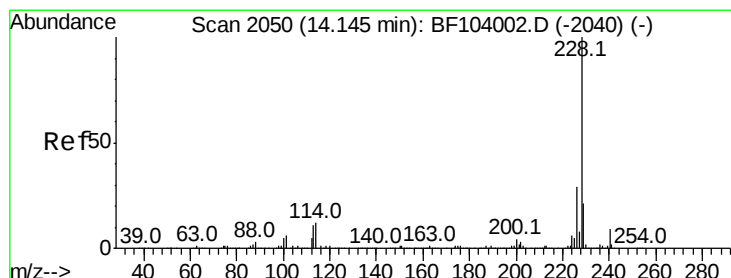
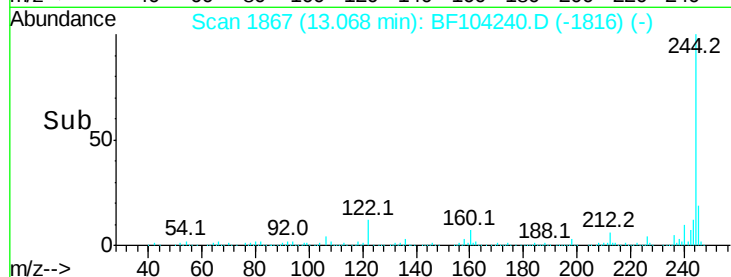
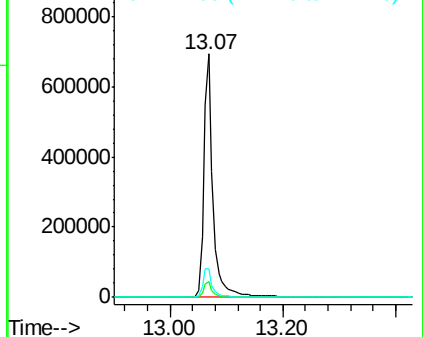
122 11.7 11.0 16.4



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: 12.138 ng

RT: 14.13 min Scan# 2047

Delta R.T. -0.01 min

Lab File: BF104240.D

Acq: 4 Apr 2018 21:54

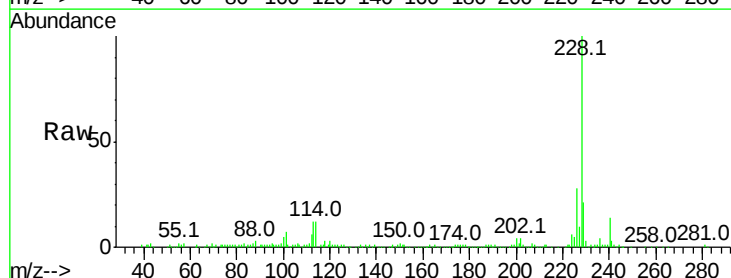
Tgt Ion:228 Resp: 179862

Ion Ratio Lower Upper

228 100

226 28.4 22.6 33.8

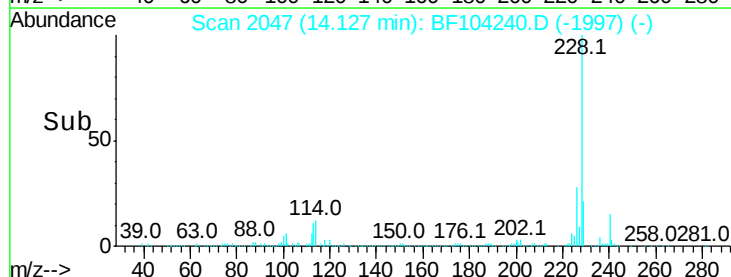
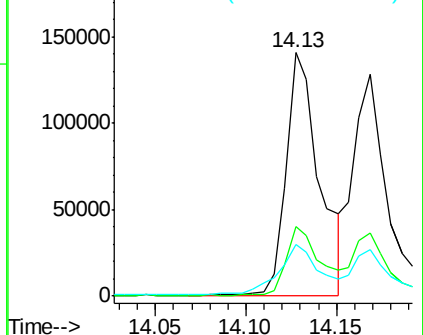
229 21.2 15.8 23.6

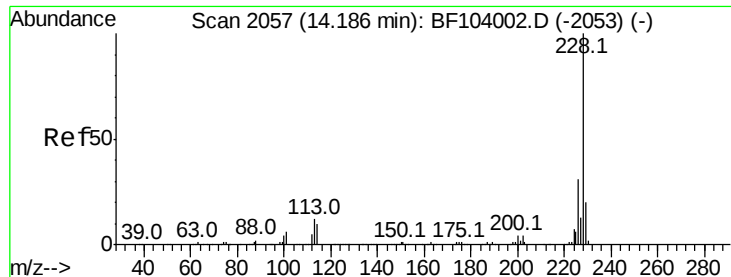


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 11.752 ng

RT: 14.17 min Scan# 2054

Delta R.T. -0.01 min

Lab File: BF104240.D

Acq: 4 Apr 2018 21:54

Instrument :

BNA_F

ClientSampleId :

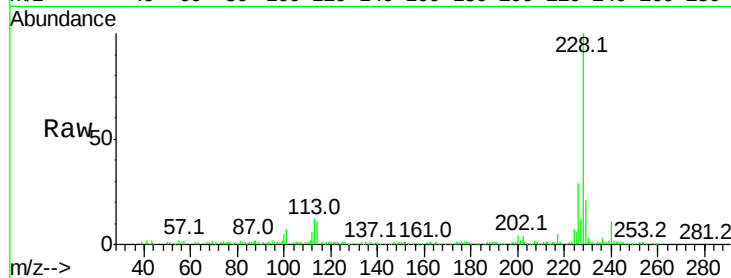
Tot Ion:228 Resp: 170564

Ion Ratio Lower Upper

228 100

226 28.6 25.0 37.6

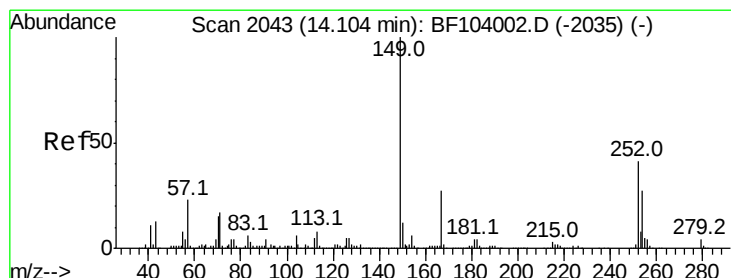
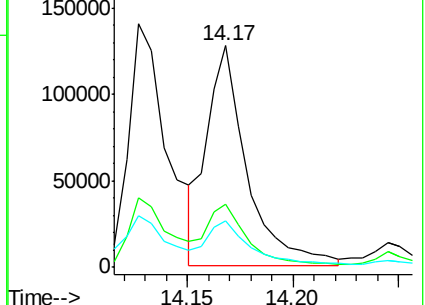
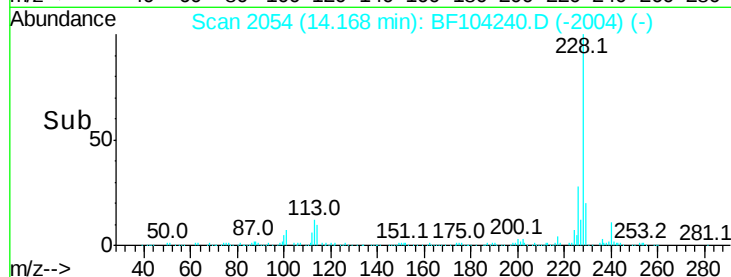
229 21.0 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.923 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.00 min

Lab File: BF104240.D

Acq: 4 Apr 2018 21:54

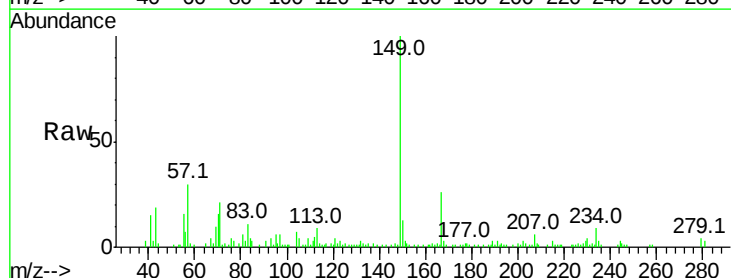
Tgt Ion:149 Resp: 30293

Ion Ratio Lower Upper

149 100

167 26.0 21.3 31.9

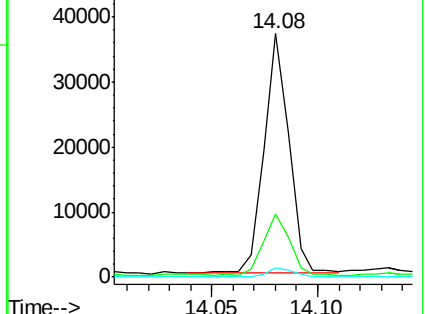
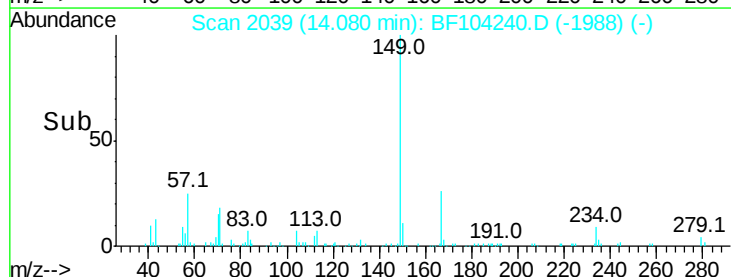
279 4.0 3.0 4.4

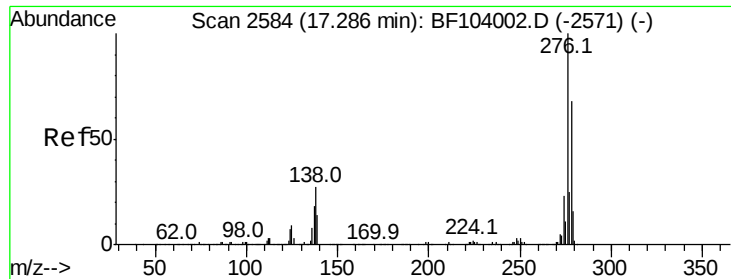


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 4.521 ng

RT: 17.27 min Scan# 2581

Delta R.T. -0.01 min

Lab File: BF104240.D

Acq: 4 Apr 2018 21:54

Instrument :

BNA_F

ClientSampleId :

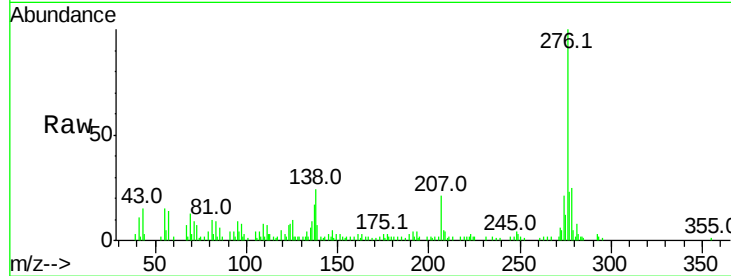
Tot Ion:276 Resp: 67989

Ion Ratio Lower Upper

276 100

138 23.3 25.0 37.6#

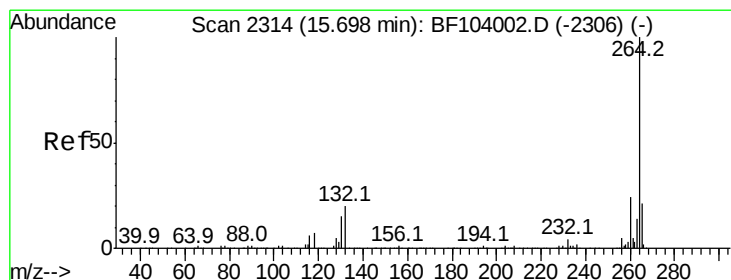
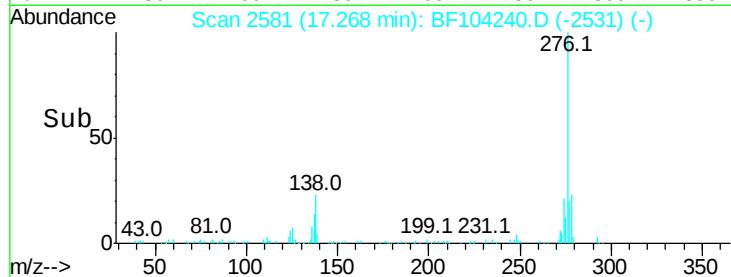
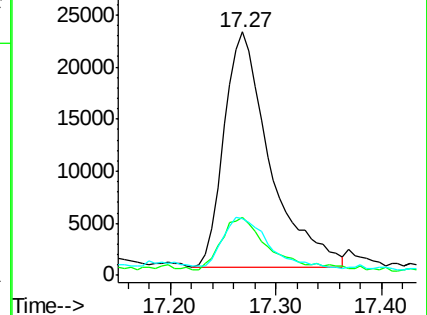
277 22.1 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2311

Delta R.T. -0.00 min

Lab File: BF104240.D

Acq: 4 Apr 2018 21:54

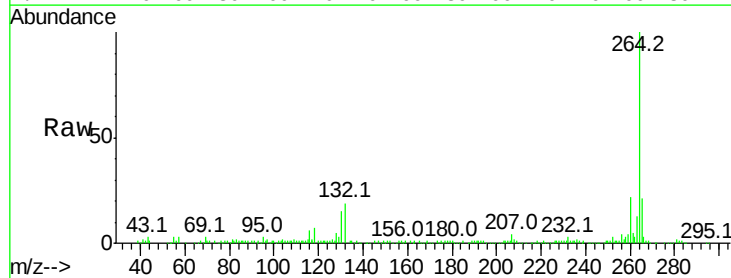
Tgt Ion:264 Resp: 201368

Ion Ratio Lower Upper

264 100

260 22.2 19.2 28.8

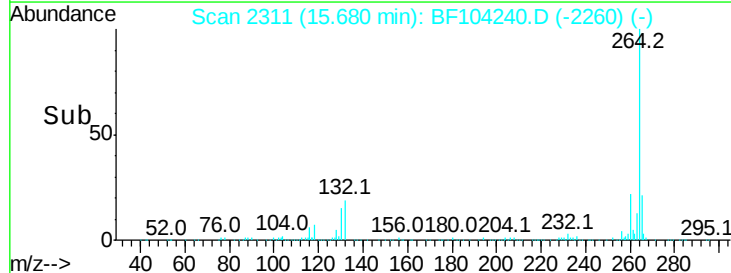
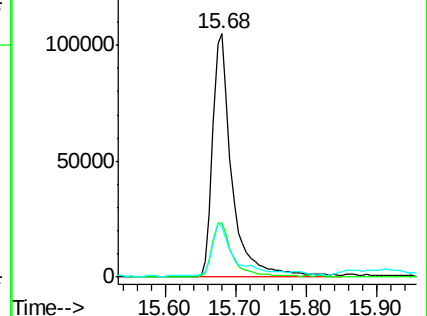
265 20.9 17.5 26.3

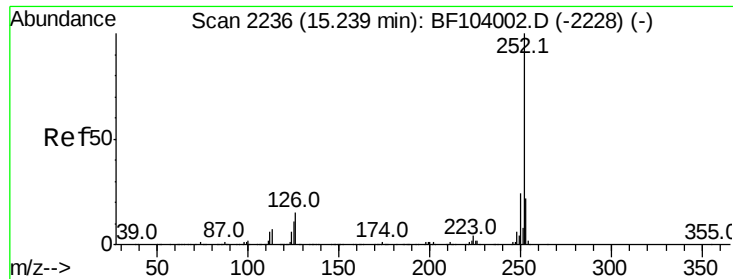


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 22.464 ng

RT: 15.22 min Scan# 2233

Delta R.T. -0.00 min

Lab File: BF104240.D

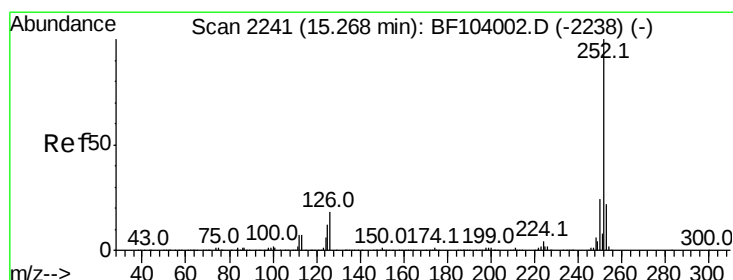
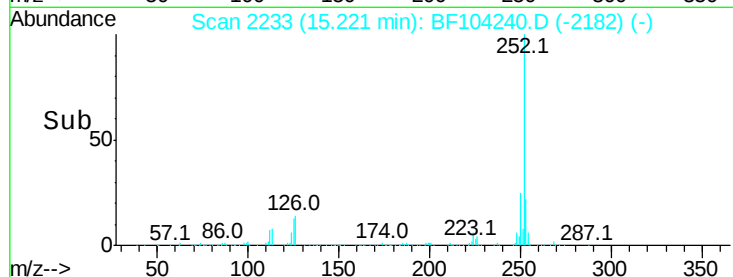
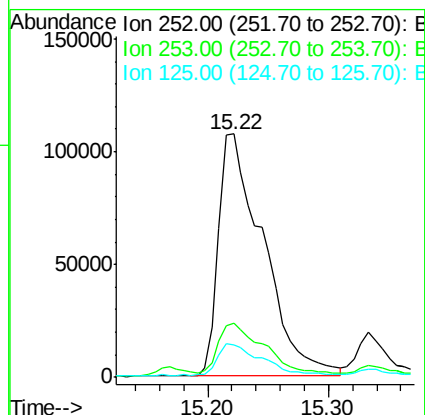
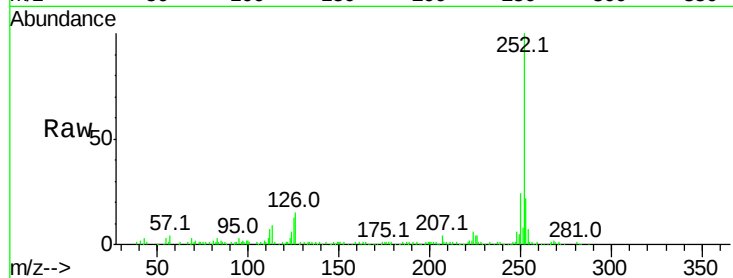
Acq: 4 Apr 2018 21:54

Instrument :

BNA_F

ClientSampled :

Tot Ion:252	Resp:	275294
Ion Ratio	Lower	Upper
252	100	
253	22.1	17.0 25.6
125	13.3	9.0 13.6



#88

Benzo(k)fluoranthene

Concen: 23.847 ng

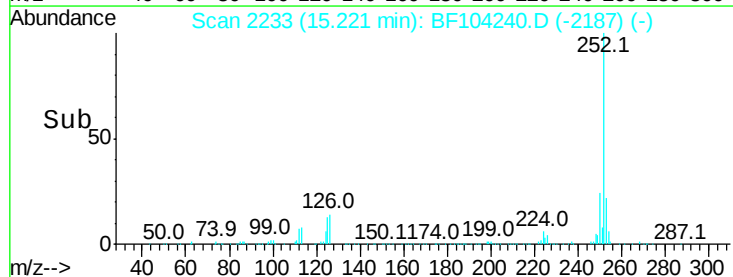
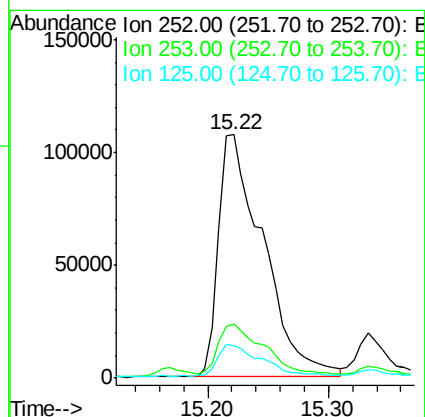
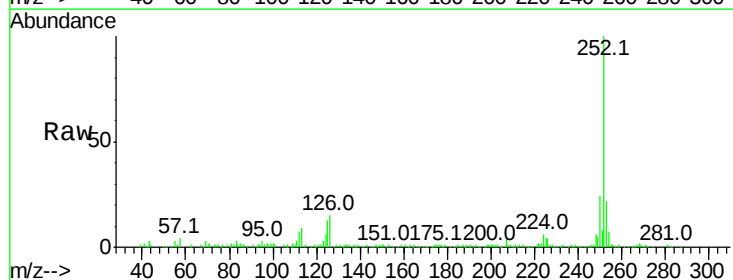
RT: 15.22 min Scan# 2233

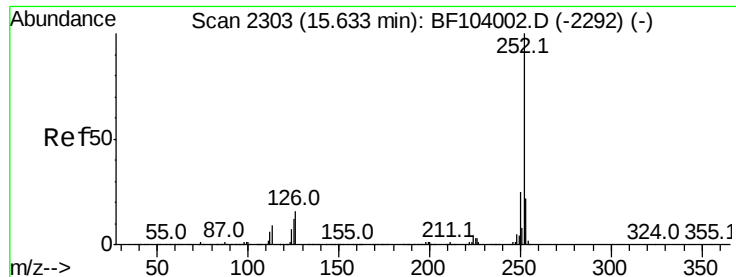
Delta R.T. -0.03 min

Lab File: BF104240.D

Acq: 4 Apr 2018 21:54

Tgt Ion:252	Resp:	275294
Ion Ratio	Lower	Upper
252	100	
253	22.1	17.9 26.9
125	13.3	10.2 15.2

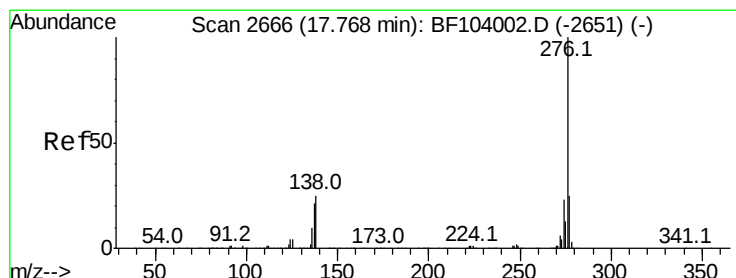
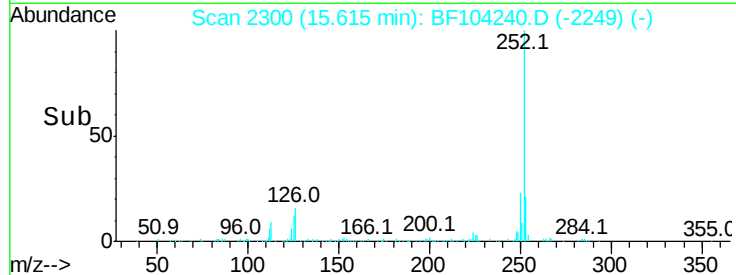
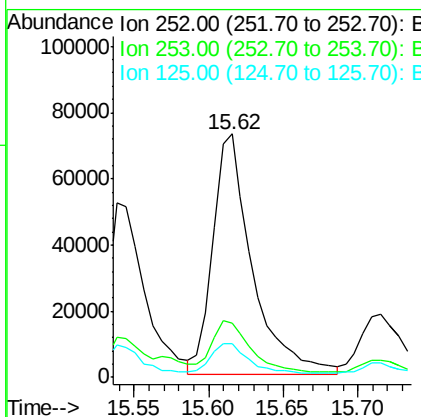
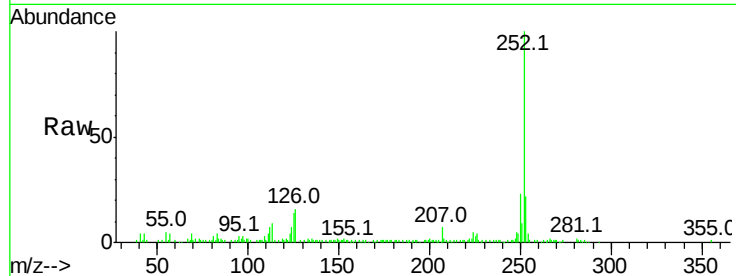




#89
Benzo(a)pyrene
Concen: 11.850 ng
RT: 15.62 min Scan# 2300
Delta R.T. -0.00 min
Lab File: BF104240.D
Acq: 4 Apr 2018 21:54

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 134580
Ion Ratio Lower Upper
252 100
253 22.5 17.1 25.7
125 13.6 9.8 14.6



#91
Benzo(g,h,i)perylene
Concen: 5.839 ng
RT: 17.75 min Scan# 2663
Delta R.T. -0.00 min
Lab File: BF104240.D
Acq: 4 Apr 2018 21:54

Tgt Ion:276 Resp: 61414
Ion Ratio Lower Upper
276 100
277 26.8 17.9 26.9
138 22.5 21.8 32.8

