

Data Path : U:\HPCHEM1\BNA F\DATA\BF033018\
 Data File : BF104123.D
 Acq On : 31 Mar 2018 5:51
 Operator : JU/SJ
 Sample : J2122-12
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 02 01:04:25 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	102767	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	413087	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	166289	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	260263	20.00	ng	0.00
75) Chrysene-d12	14.14	240	213430	20.00	ng	0.00
86) Perylene-d12	15.69	264	157350	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	579182	89.88	ng	0.01
7) Phenol-d6	6.59	99	747727	94.31	ng	0.00
23) Nitrobenzene-d5	7.52	82	435730	64.51	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	146648	79.20	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	708125	67.15	ng	0.00
78) Terphenyl-d14	13.07	244	538757	58.28	ng	0.00

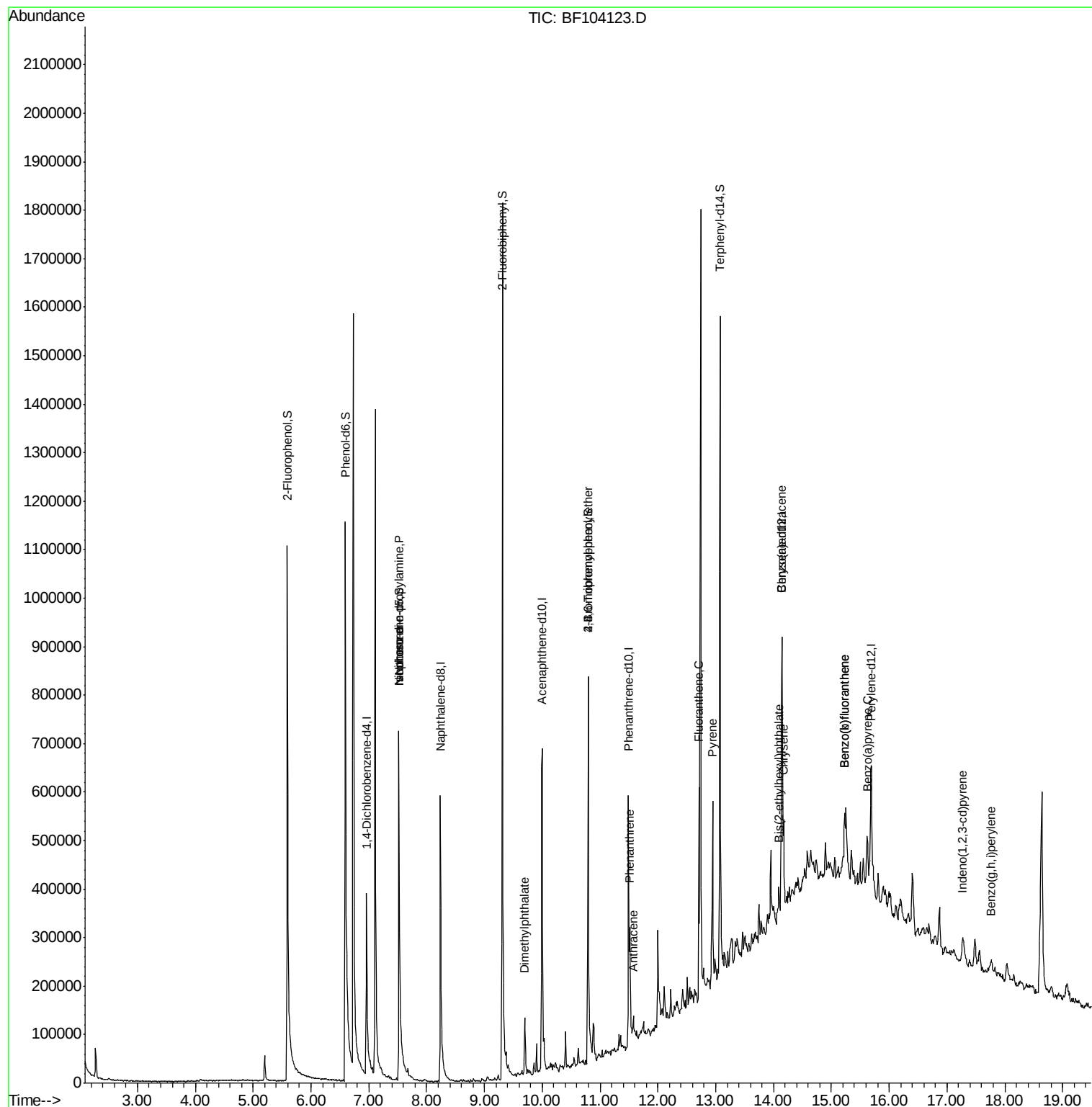
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.52	70	52163	11.087	ng	# 75
25) Isophorone	7.52	82	435730	35.003	ng	# 64
49) Dimethylphthalate	9.70	163	52712	4.015	ng	98
66) 4-Bromophenyl-phenylether	10.79	248	8590	3.085	ng	# 1
70) Phenanthrene	11.52	178	94258	6.689	ng	98
71) Anthracene	11.57	178	38099	2.589	ng	99
74) Fluoranthene	12.71	202	209546	13.990	ng	98
77) Pyrene	12.94	202	210062	13.691	ng	99
80) Benzo(a)anthracene	14.14	228	92910	6.957	ng	96
82) Chrysene	14.17	228	79210	6.056	ng	96
83) Bis(2-ethylhexyl)phthalate	14.09	149	21123	2.262	ng	# 98
85) Indeno(1,2,3-cd)pyrene	17.27	276	29557	2.181	ng	# 88
87) Benzo(b)fluoranthene	15.23	252	113435	11.846	ng	# 85
88) Benzo(k)fluoranthene	15.23	252	113435	12.575	ng	# 89
89) Benzo(a)pyrene	15.62	252	55052	6.204	ng	# 85
91) Benzo(g,h,i)perylene	17.76	276	26790	3.260	ng	93

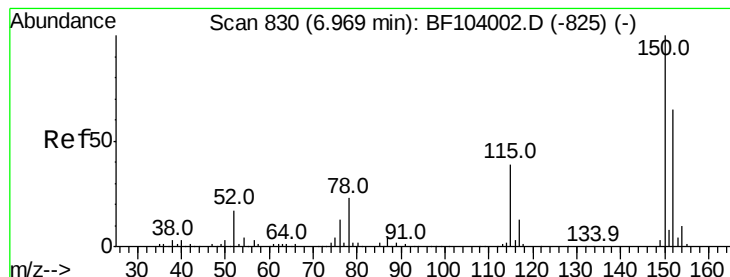
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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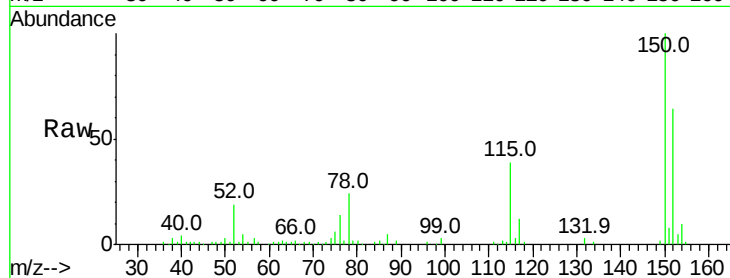


#1

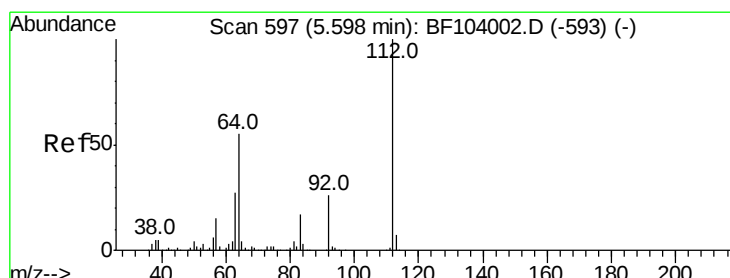
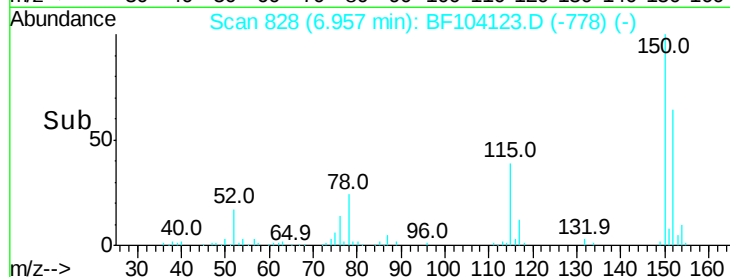
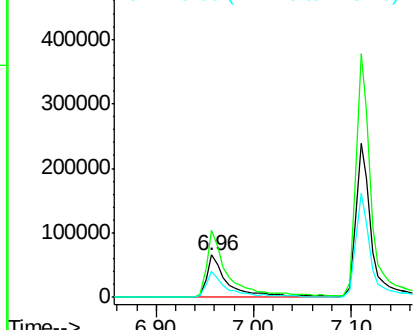
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF104123.D
Acq: 31 Mar 2018 5:51

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.6	186.8
115	61.0	50.1	75.1



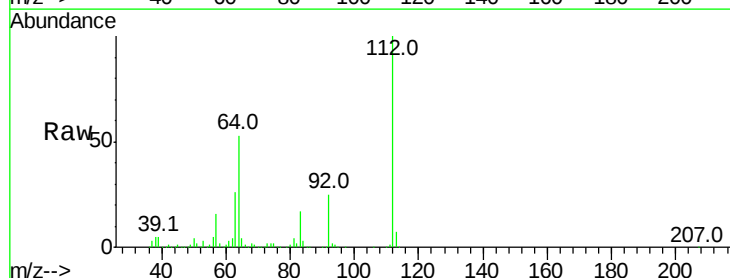
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



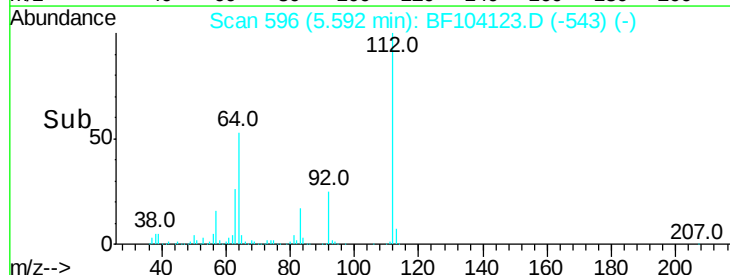
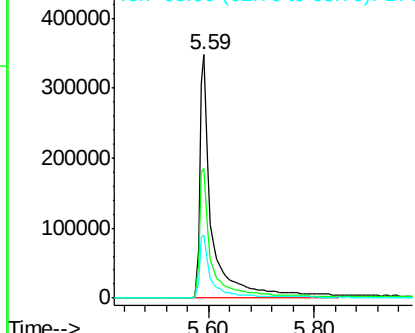
#5

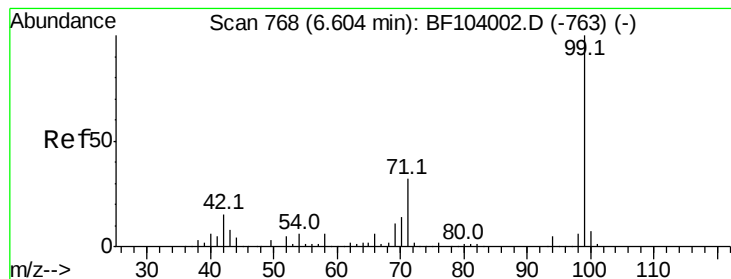
2-Fluorophenol
Concen: 89.878 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.01 min
Lab File: BF104123.D
Acq: 31 Mar 2018 5:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.1	47.9	71.9
63	26.1	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: 94.313 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.00 min

Lab File: BF104123.D

Acq: 31 Mar 2018 5:51

Instrument :

BNA_F

ClientSampled :

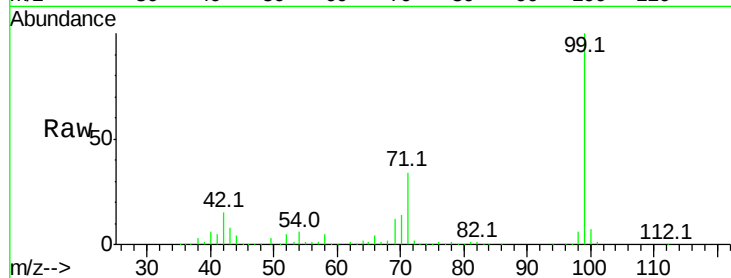
Tot Ion: 99 Resp: 747727

Ion Ratio Lower Upper

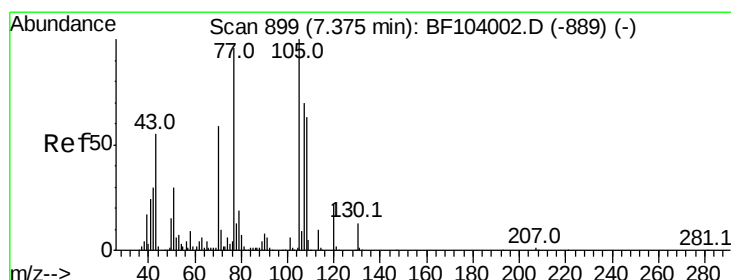
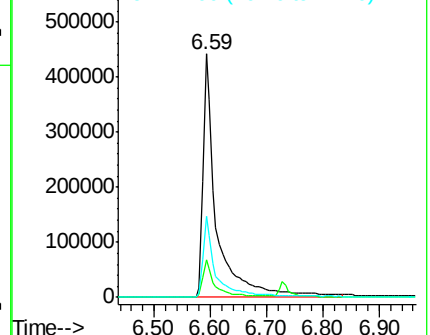
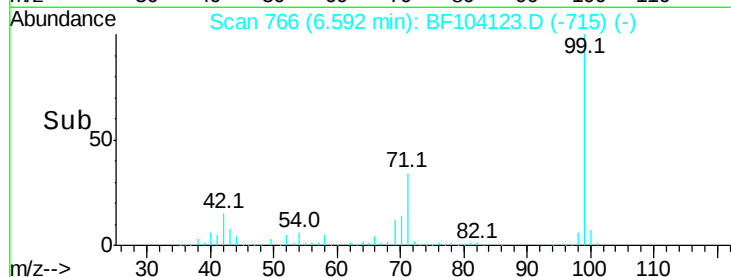
99 100

42 15.3 14.5 21.7

71 33.5 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



#19

n-Nitroso-di-n-propylamine

Concen: 11.087 ng

RT: 7.52 min Scan# 924

Delta R.T. 0.16 min

Lab File: BF104123.D

Acq: 31 Mar 2018 5:51

Tgt Ion: 70 Resp: 52163

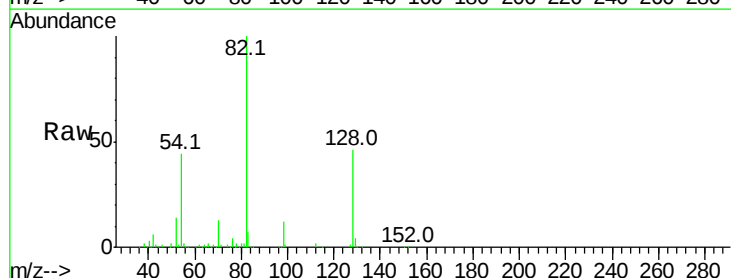
Ion Ratio Lower Upper

70 100

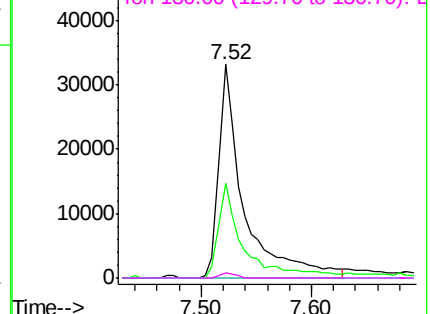
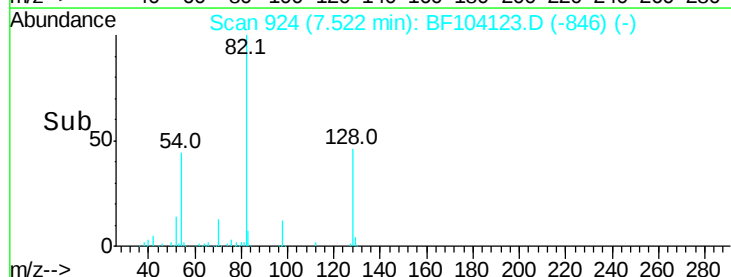
42 44.1 47.5 71.3#

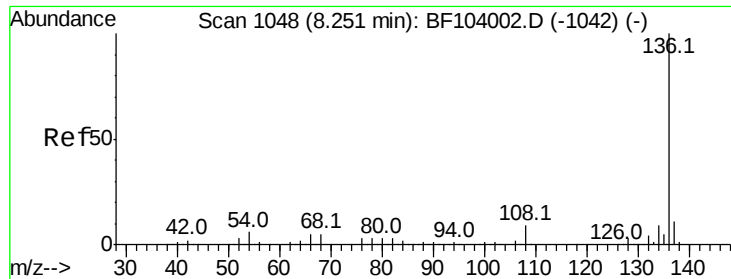
101 0.0 7.4 11.2#

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

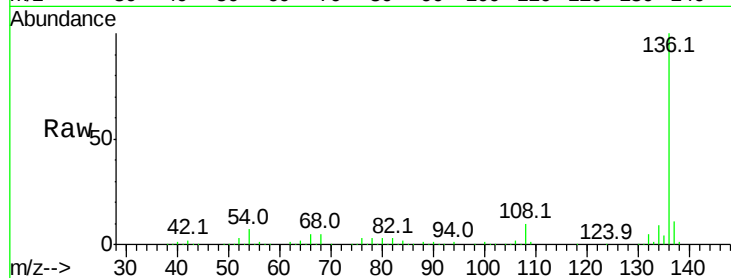




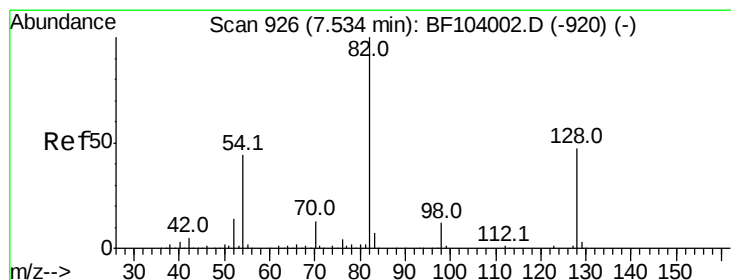
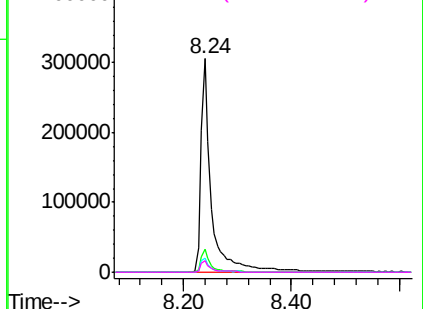
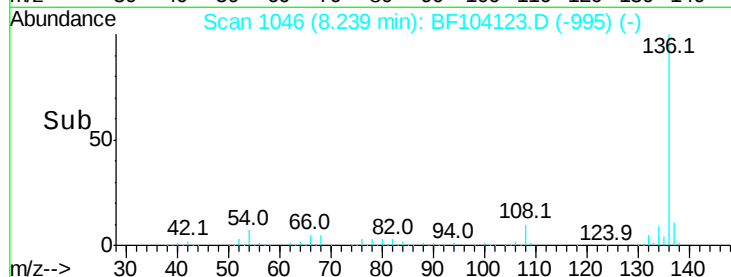
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BF104123.D
Acq: 31 Mar 2018 5:51

Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	413087
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	6.8	6.6	9.8
68	5.3	5.0	7.4

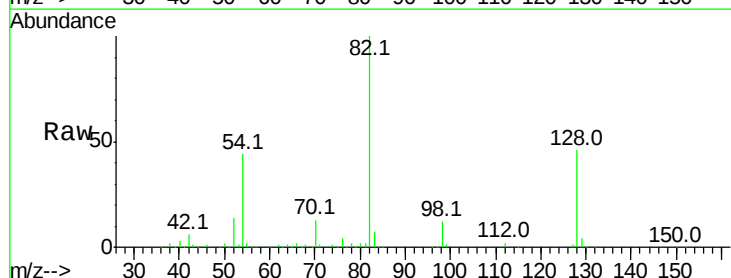


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

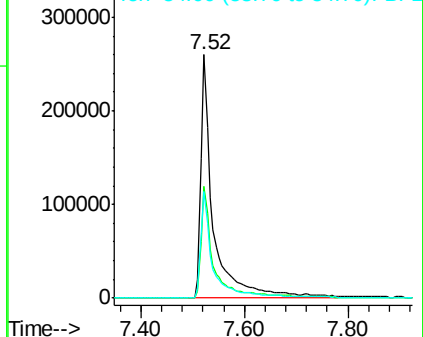
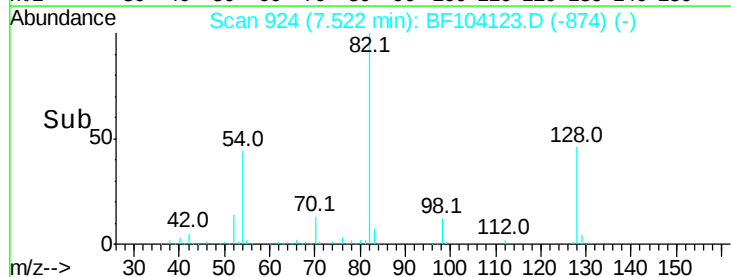


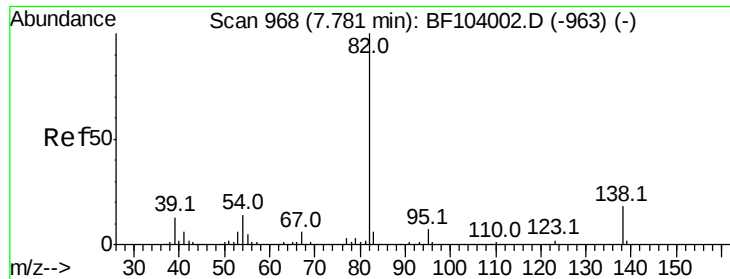
#23
Nitrobenzene-d5
Concen: 64.508 ng
RT: 7.52 min Scan# 924
Delta R.T. -0.01 min
Lab File: BF104123.D
Acq: 31 Mar 2018 5:51

Tgt Ion:	82	Resp:	435730
Ion	Ratio	Lower	Upper
82	100		
128	46.0	36.1	54.1
54	43.8	41.4	62.2



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

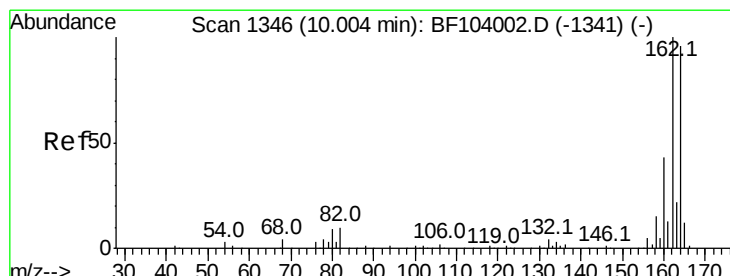
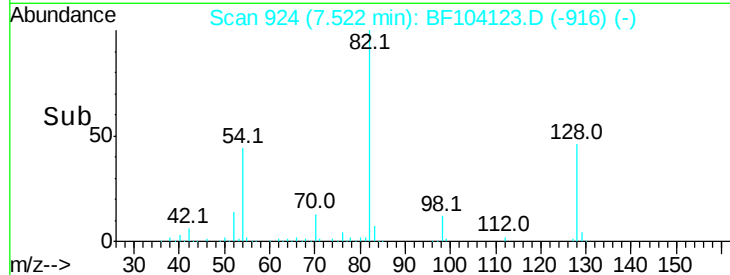
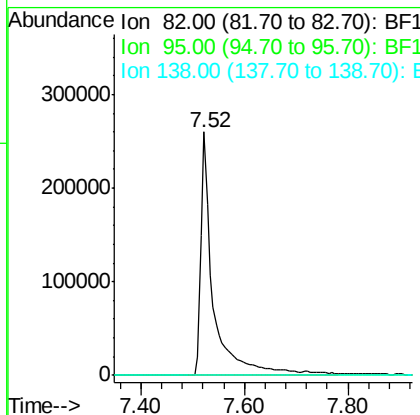
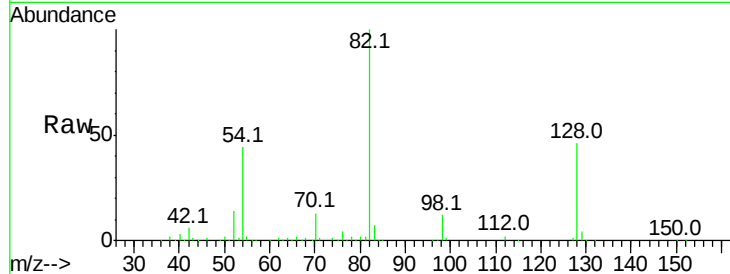




#25
Isophorone
Concen: 35.003 ng
RT: 7.52 min Scan# 924
Delta R.T. -0.25 min
Lab File: BF104123.D
Acq: 31 Mar 2018 5:51

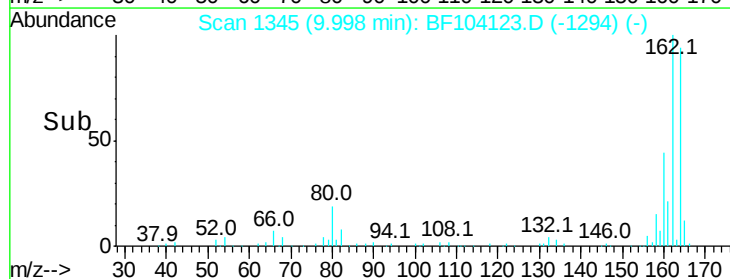
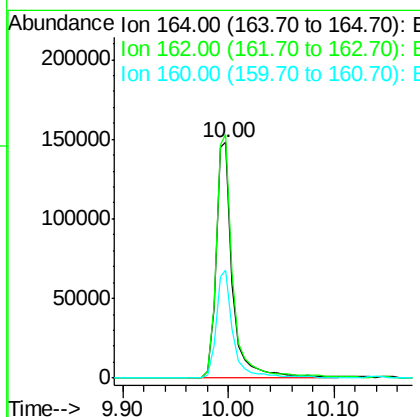
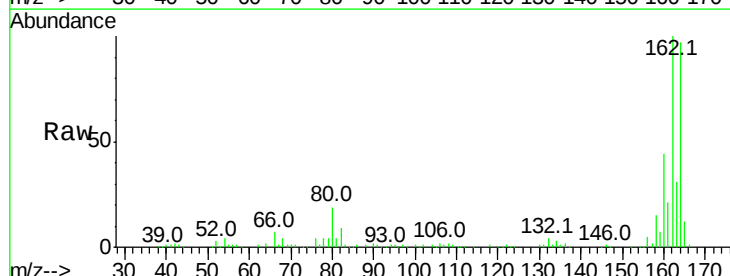
Instrument :
BNA_F
ClientSampleId :

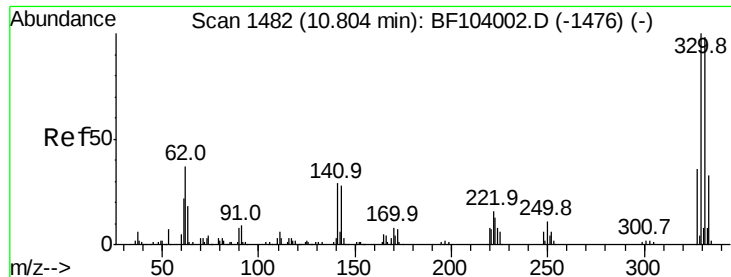
Tot Ion: 82 Resp: 435730
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1345
Delta R.T. 0.00 min
Lab File: BF104123.D
Acq: 31 Mar 2018 5:51

Tgt Ion:164 Resp: 166289
Ion Ratio Lower Upper
164 100
162 103.2 86.1 129.1
160 45.9 38.3 57.5





#41

2,4,6-Tribromophenol

Concen: 79.199 ng

RT: 10.79 min Scan# 1480

Delta R.T. 0.00 min

Lab File: BF104123.D

Acq: 31 Mar 2018 5:51

Instrument :

BNA_F

ClientSampleId :

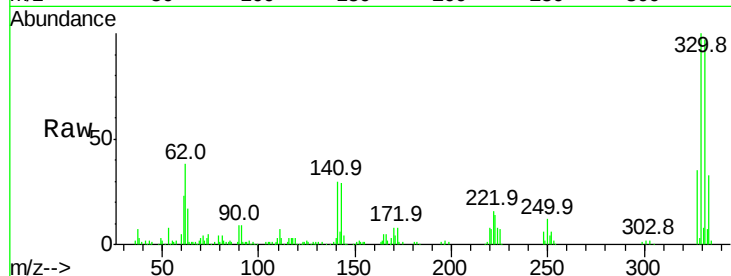
Tot Ion:330 Resp: 146648

Ion Ratio Lower Upper

330 100

332 95.4 77.0 115.6

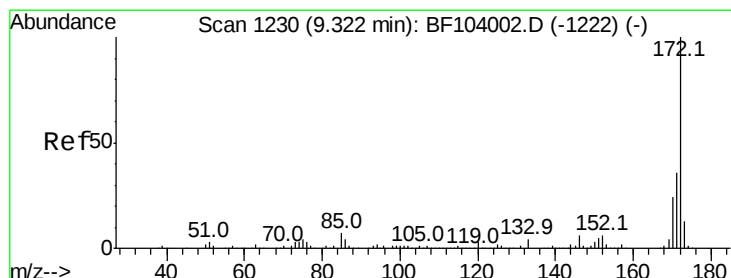
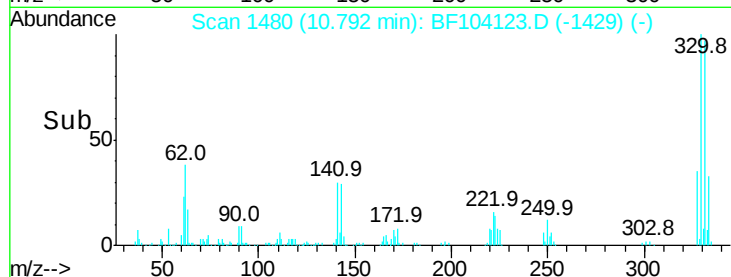
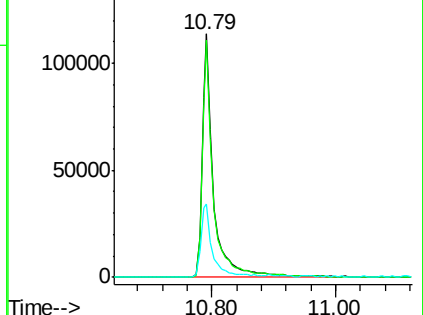
141 31.8 29.9 44.9



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: 67.151 ng

RT: 9.31 min Scan# 1228

Delta R.T. 0.00 min

Lab File: BF104123.D

Acq: 31 Mar 2018 5:51

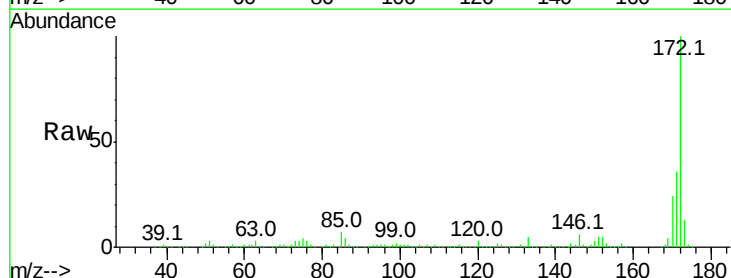
Tgt Ion:172 Resp: 708125

Ion Ratio Lower Upper

172 100

171 36.0 29.7 44.5

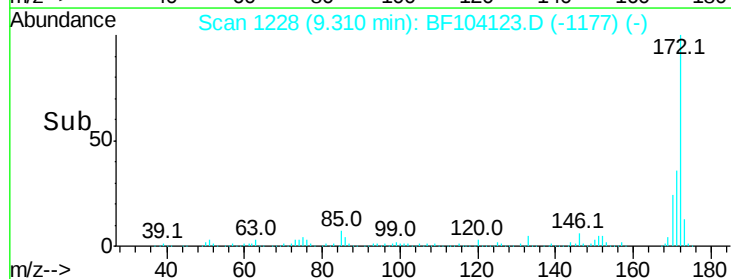
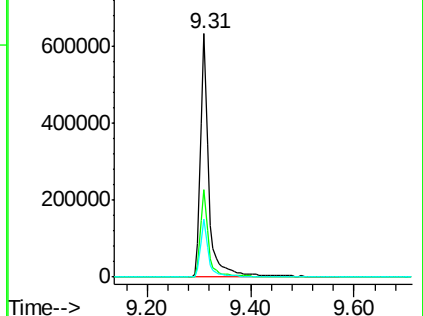
170 23.8 19.6 29.4

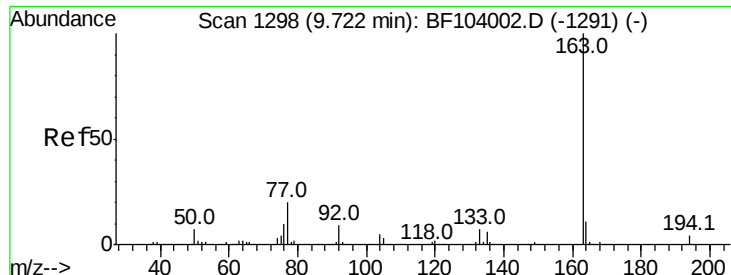


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

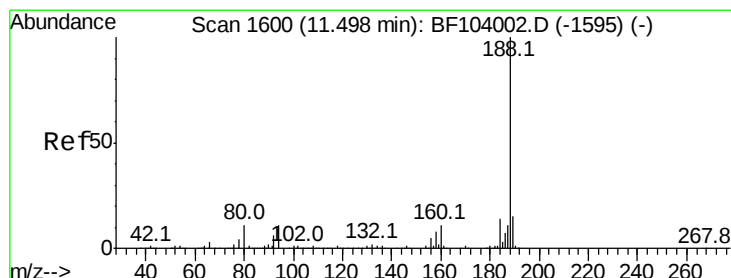
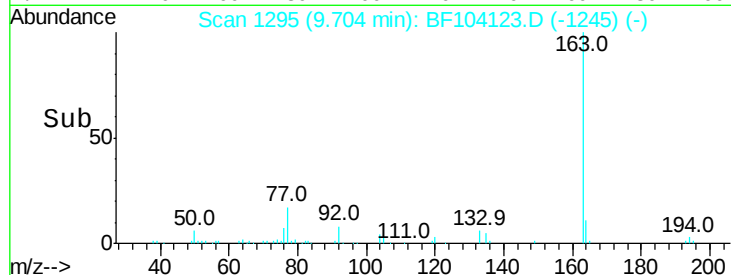
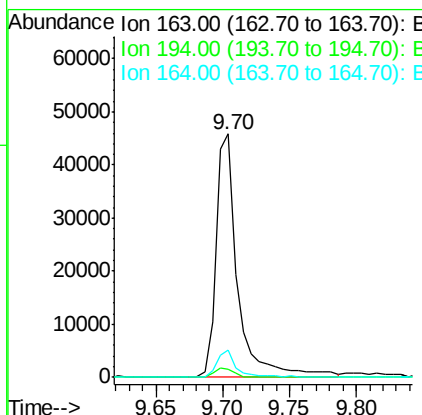
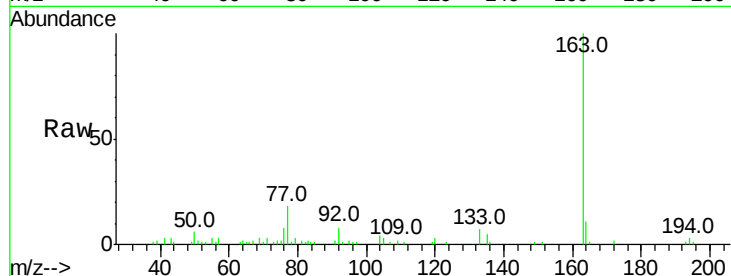




#49
Dimethylphthalate
Concen: 4.015 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF104123.D
Acq: 31 Mar 2018 5:51

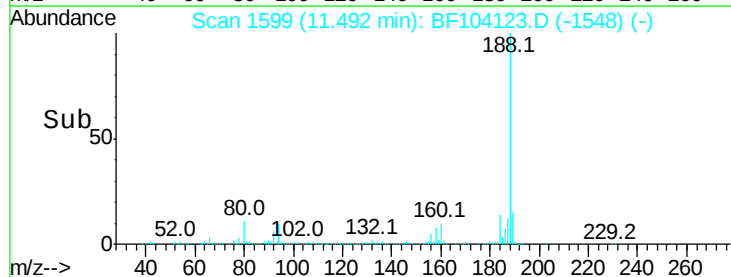
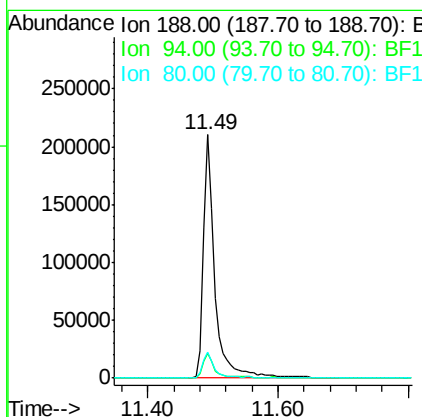
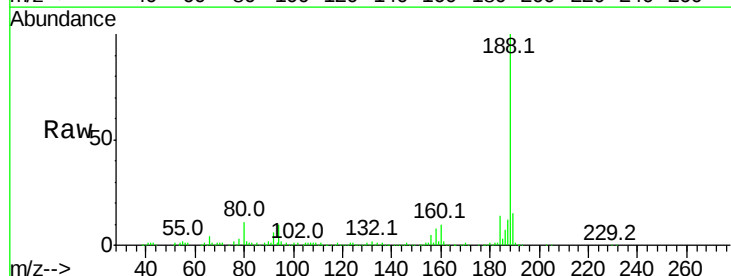
Instrument :
BNA_F
ClientSampleId :

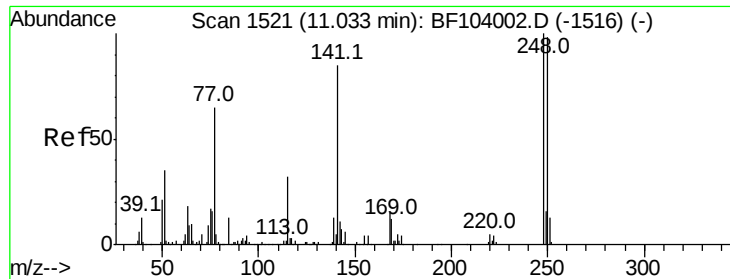
Tot Ion:163 Resp: 52712
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 11.2 8.2 12.2



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: BF104123.D
Acq: 31 Mar 2018 5:51

Tgt Ion:188 Resp: 260263
Ion Ratio Lower Upper
188 100
94 10.1 8.5 12.7
80 10.8 9.2 13.8

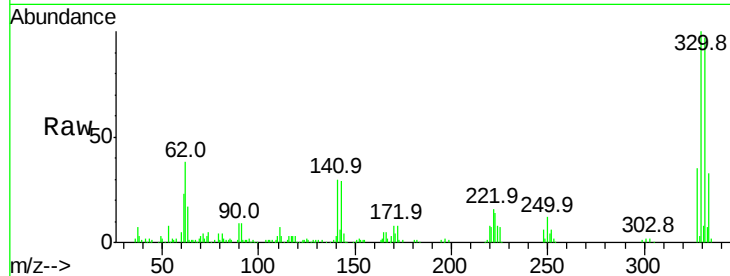




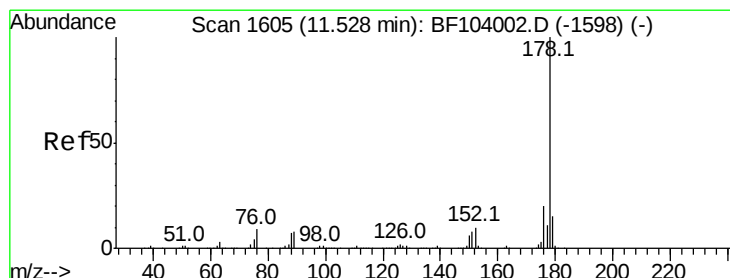
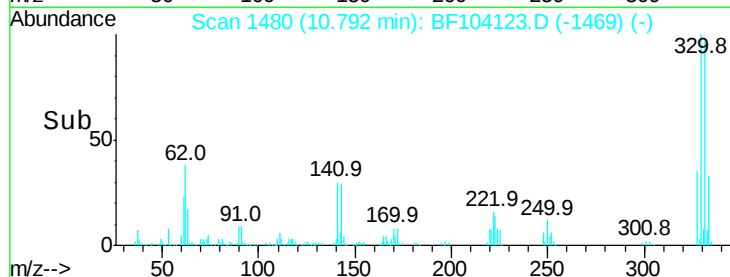
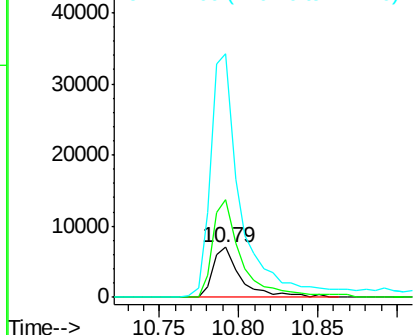
#66
 4-Bromophenyl-phenylether
 Concen: 3.085 ng
 RT: 10.79 min Scan# 1480
 Delta R.T. -0.24 min
 Lab File: BF104123.D
 Acq: 31 Mar 2018 5:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 8590
 Ion Ratio Lower Upper
 248 100
 250 194.5 76.9 115.3#
 141 487.0 74.4 111.6#

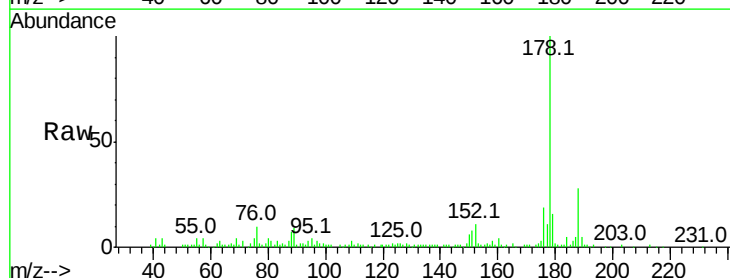


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

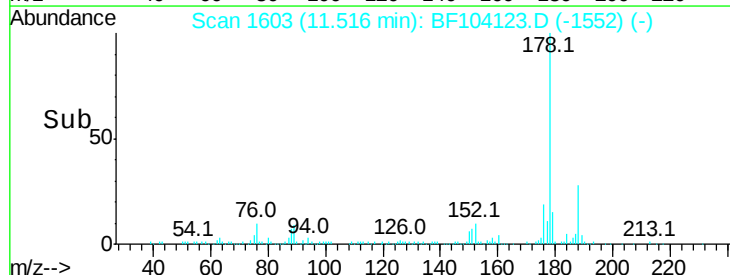
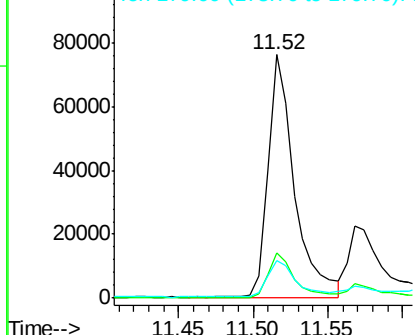


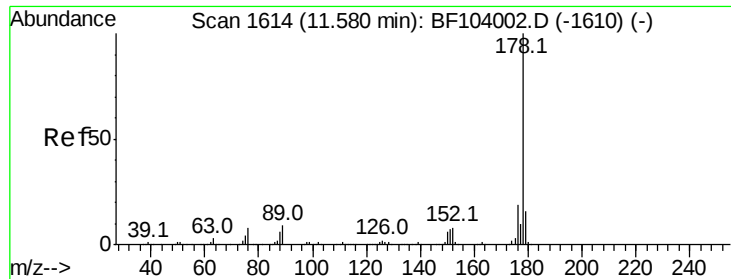
#70
 Phenanthrene
 Concen: 6.689 ng
 RT: 11.52 min Scan# 1603
 Delta R.T. 0.00 min
 Lab File: BF104123.D
 Acq: 31 Mar 2018 5:51

Tgt Ion:178 Resp: 94258
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.8 23.8
 179 15.5 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: 2.589 ng

RT: 11.57 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BF104123.D

Acq: 31 Mar 2018 5:51

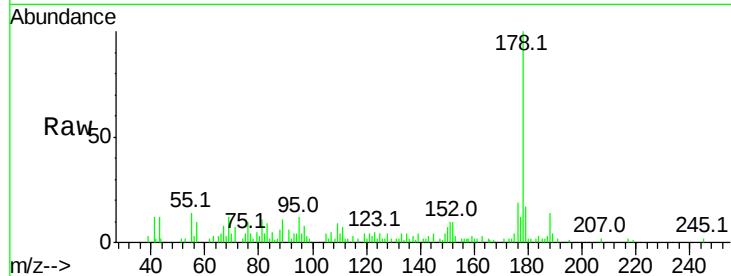
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 38099

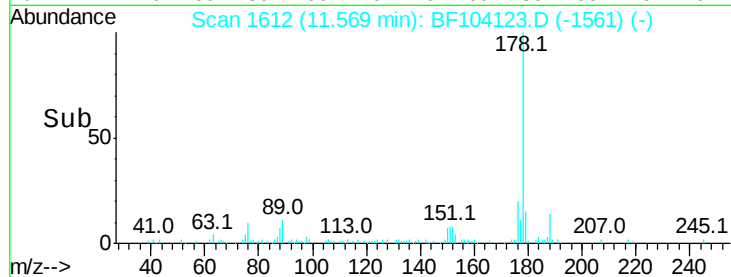
Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	16.8	12.6	19.0



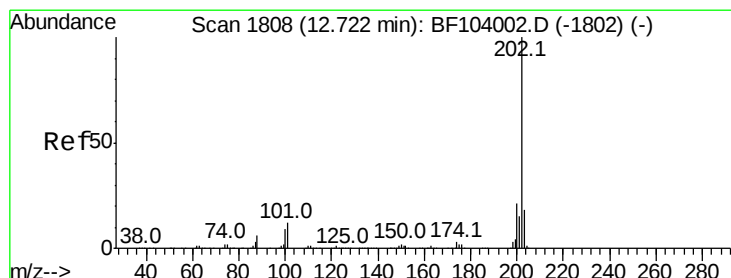
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 11.50 11.55 11.60 11.65 11.70



#74

Fluoranthene

Concen: 13.990 ng

RT: 12.71 min Scan# 1806

Delta R.T. 0.00 min

Lab File: BF104123.D

Acq: 31 Mar 2018 5:51

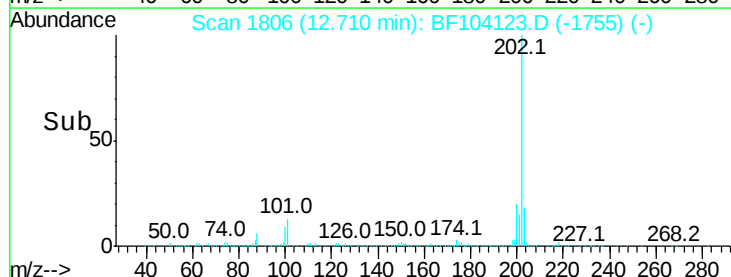
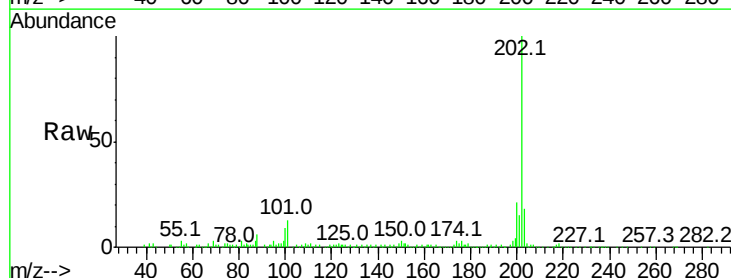
Tgt Ion:202 Resp: 209546

Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	34.1
203	18.4	0.0	38.1

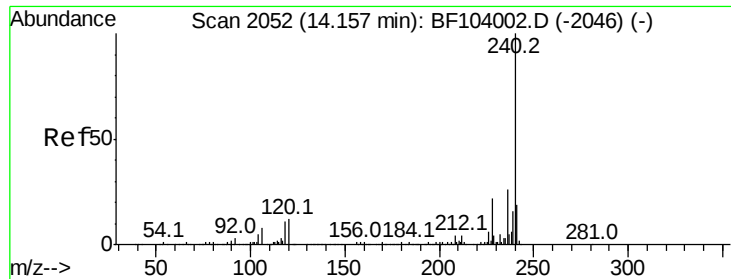
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 12.65 12.70 12.75 12.80



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2050

Delta R.T. 0.00 min

Lab File: BF104123.D

Acq: 31 Mar 2018 5:51

Instrument :

BNA_F

ClientSampleId :

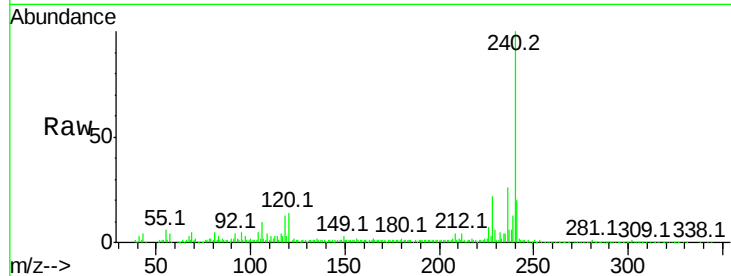
Tot Ion:240 Resp: 213430

Ion Ratio Lower Upper

240 100

120 13.5 9.5 14.3

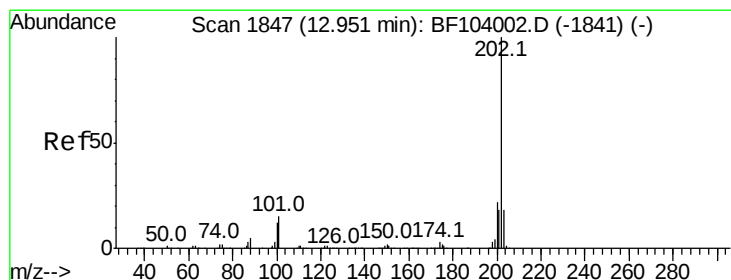
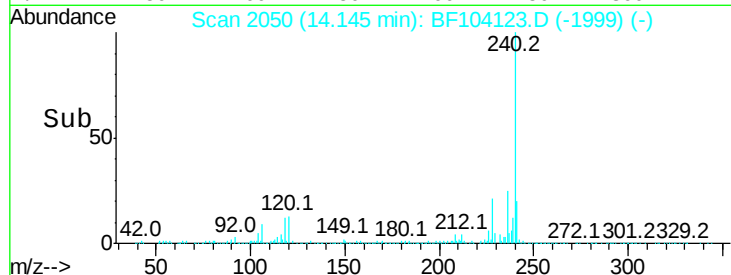
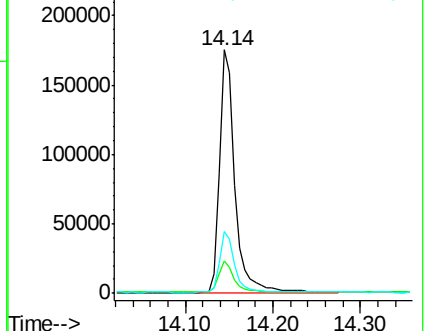
236 25.5 20.7 31.1



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: 13.691 ng

RT: 12.94 min Scan# 1846

Delta R.T. 0.00 min

Lab File: BF104123.D

Acq: 31 Mar 2018 5:51

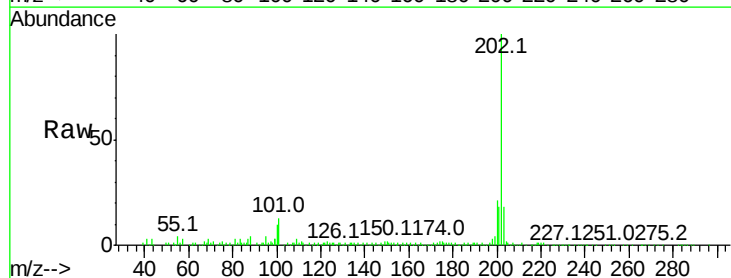
Tgt Ion:202 Resp: 210062

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

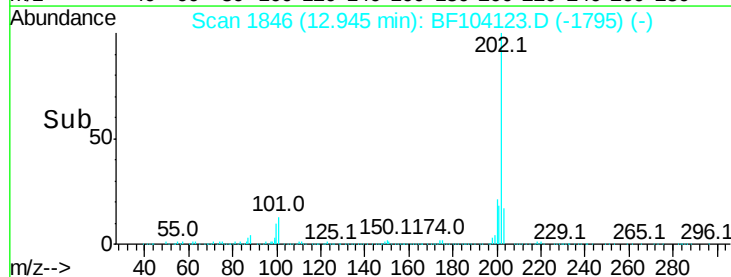
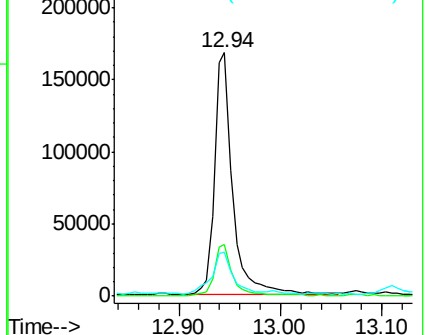
203 17.9 14.3 21.5

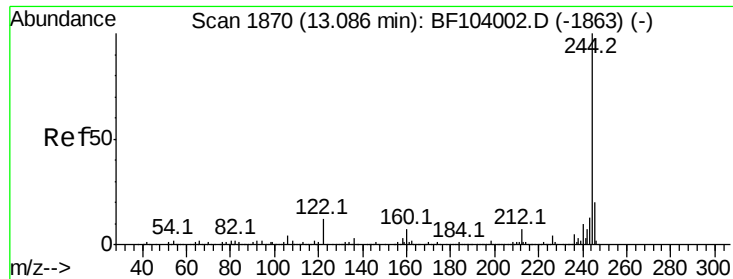


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

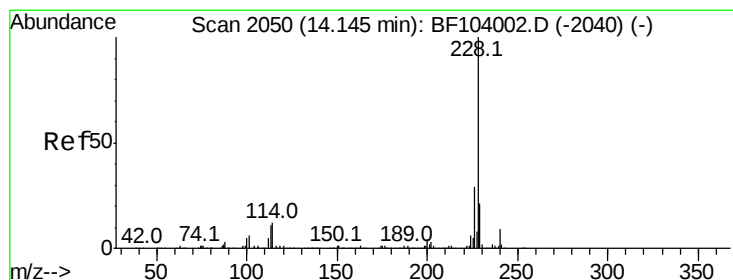
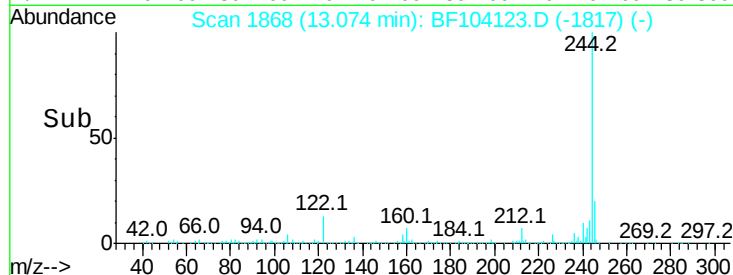
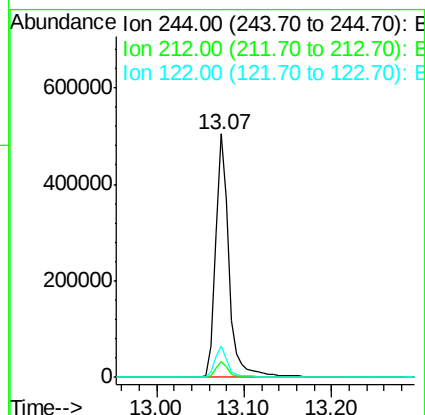
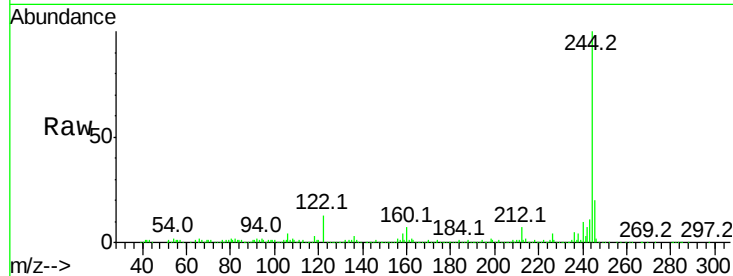




#78
 Terphenyl-d14
 Concen: 58.284 ng
 RT: 13.07 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: BF104123.D
 Acq: 31 Mar 2018 5:51

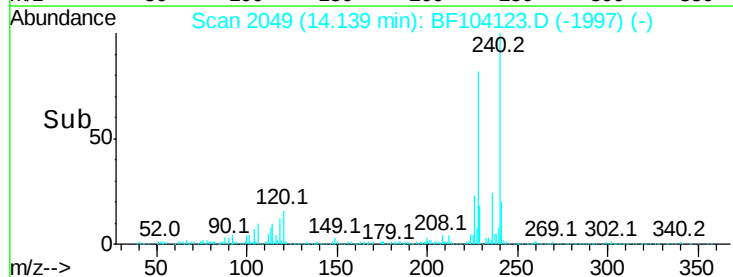
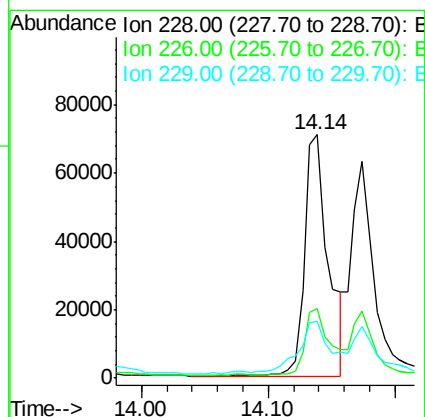
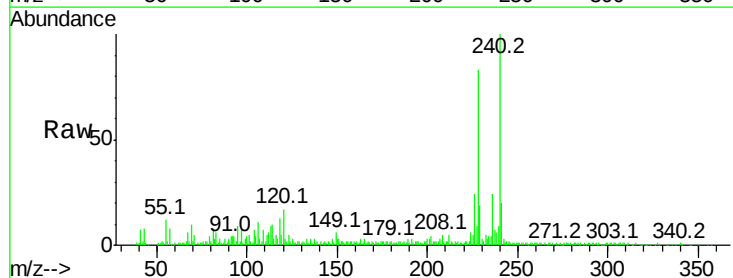
Instrument :
 BNA_F
 ClientSampleId :

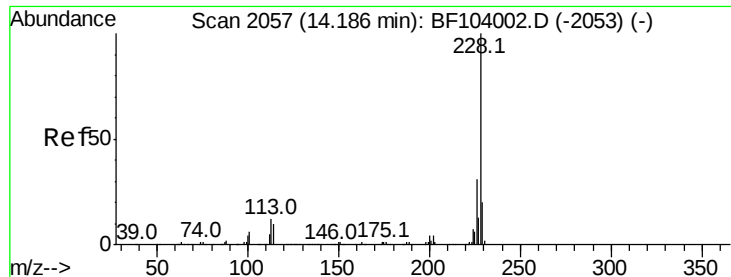
Tot Ion:244 Resp: 538757
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 12.9 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 6.957 ng
 RT: 14.14 min Scan# 2049
 Delta R.T. 0.01 min
 Lab File: BF104123.D
 Acq: 31 Mar 2018 5:51

Tgt Ion:228 Resp: 92910
 Ion Ratio Lower Upper
 228 100
 226 28.6 22.6 33.8
 229 23.4 15.8 23.6





#82

Chrysene

Concen: 6.056 ng

RT: 14.17 min Scan# 2055

Delta R.T. 0.00 min

Lab File: BF104123.D

Acq: 31 Mar 2018 5:51

Instrument :

BNA_F

ClientSampleId :

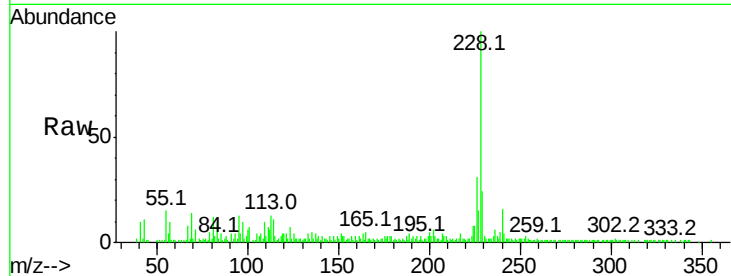
Tot Ion:228 Resp: 79210

Ion Ratio Lower Upper

228 100

226 30.9 25.0 37.6

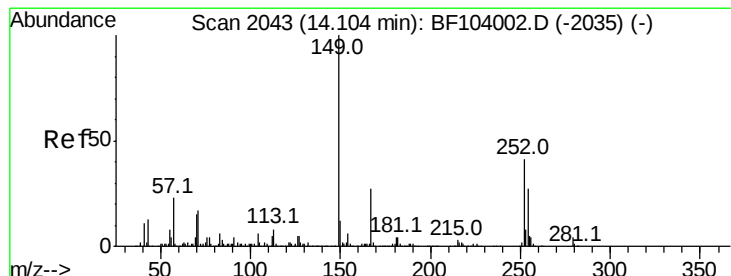
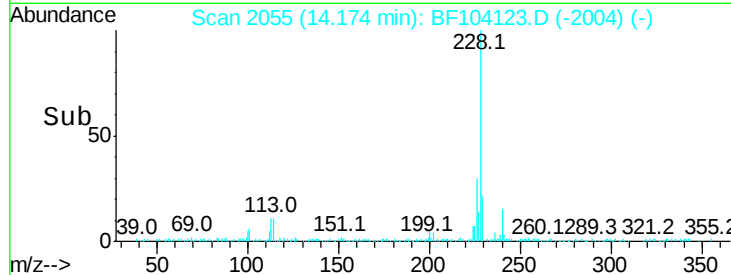
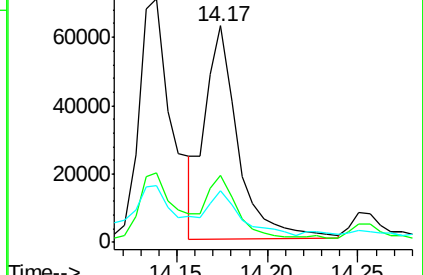
229 24.1 16.2 24.4



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: 2.262 ng

RT: 14.09 min Scan# 2041

Delta R.T. 0.00 min

Lab File: BF104123.D

Acq: 31 Mar 2018 5:51

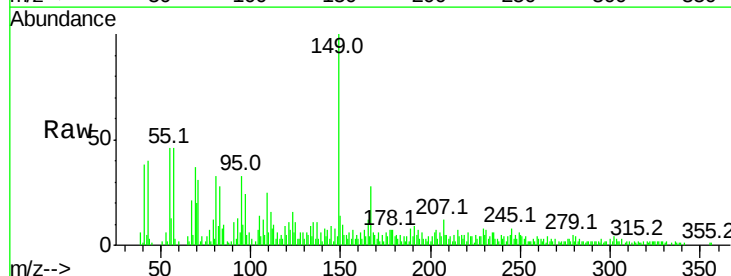
Tgt Ion:149 Resp: 21123

Ion Ratio Lower Upper

149 100

167 27.8 21.3 31.9

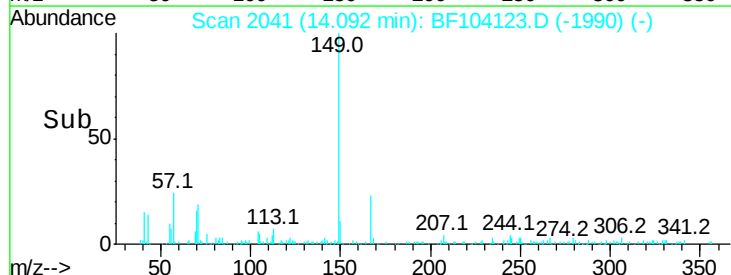
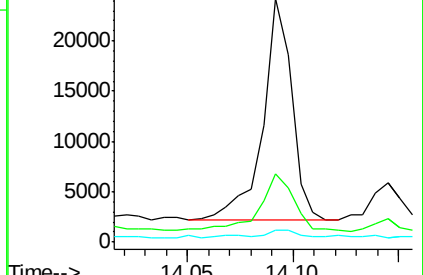
279 4.7 3.0 4.4#

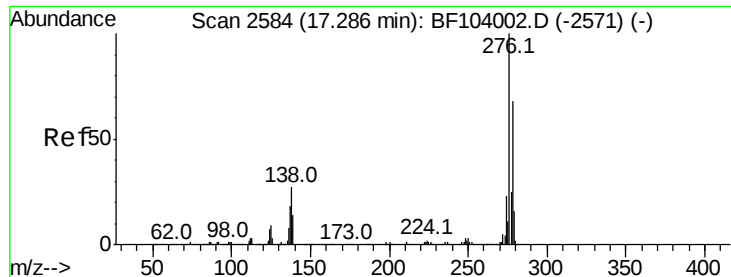


Abundance Ion 149.00 (148.70 to 149.70): E

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: 2.181 ng

RT: 17.27 min Scan# 2582

Delta R.T. 0.01 min

Lab File: BF104123.D

Acq: 31 Mar 2018 5:51

Instrument :

BNA_F

ClientSampled :

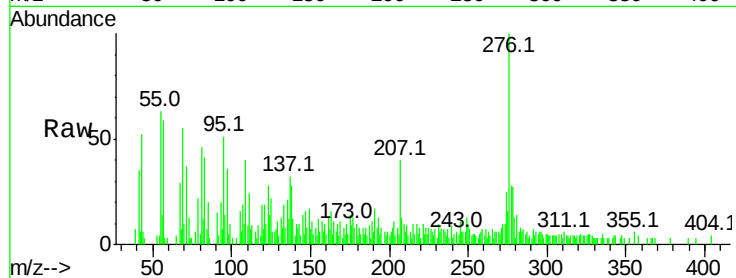
Tot Ion:276 Resp: 29557

Ion Ratio Lower Upper

276 100

138 20.2 25.0 37.6#

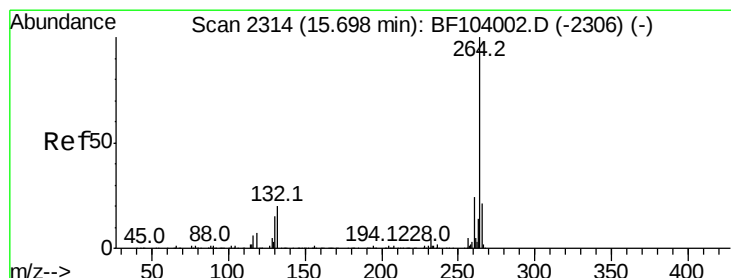
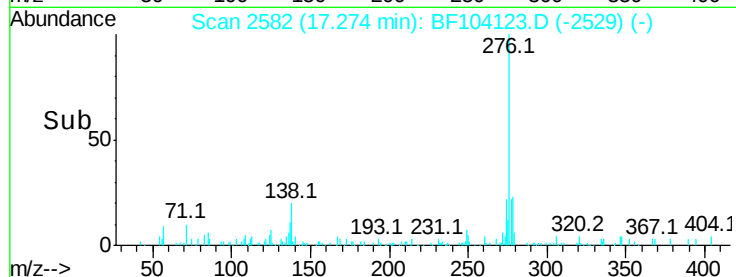
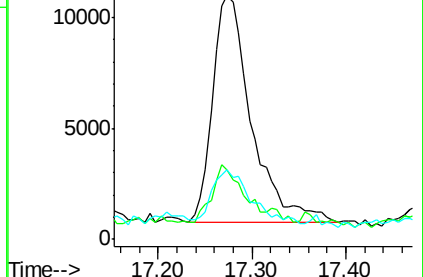
277 23.9 20.1 30.1



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: 15.69 min Scan# 2313

Delta R.T. 0.01 min

Lab File: BF104123.D

Acq: 31 Mar 2018 5:51

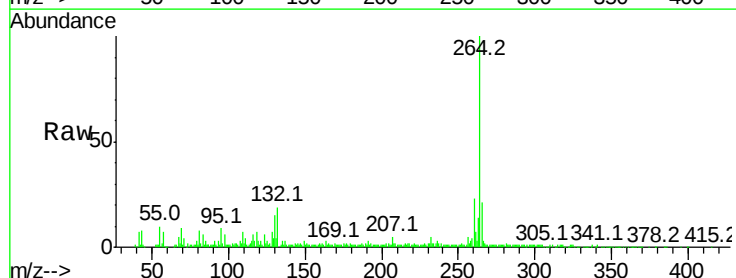
Tgt Ion:264 Resp: 157350

Ion Ratio Lower Upper

264 100

260 22.9 19.2 28.8

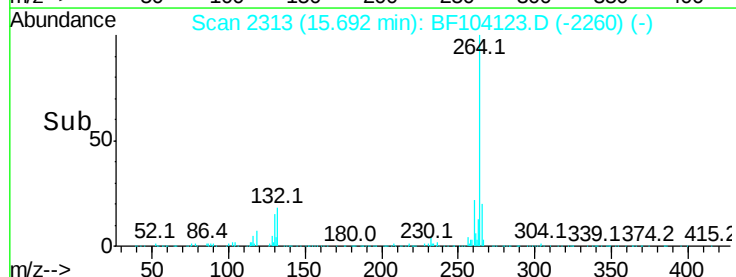
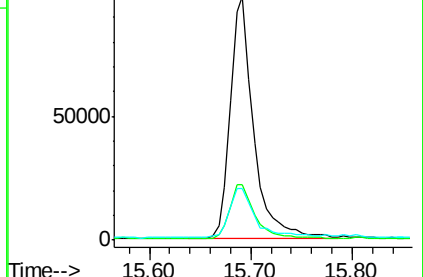
265 21.2 17.5 26.3

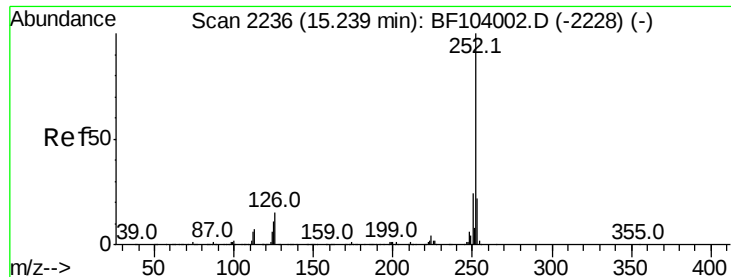


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 11.846 ng

RT: 15.23 min Scan# 2235

Delta R.T. 0.01 min

Lab File: BF104123.D

Acq: 31 Mar 2018 5:51

Instrument :

BNA_F

ClientSampleId :

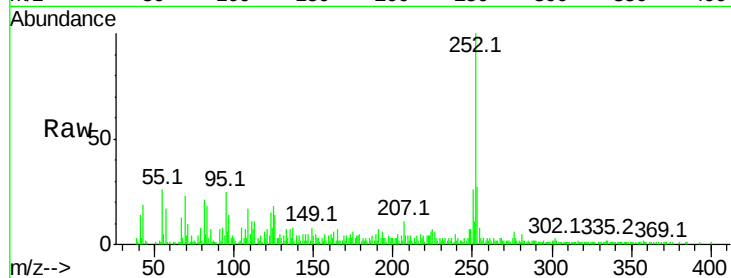
Tot Ion:252 Resp: 113435

Ion Ratio Lower Upper

252 100

253 27.5 17.0 25.6#

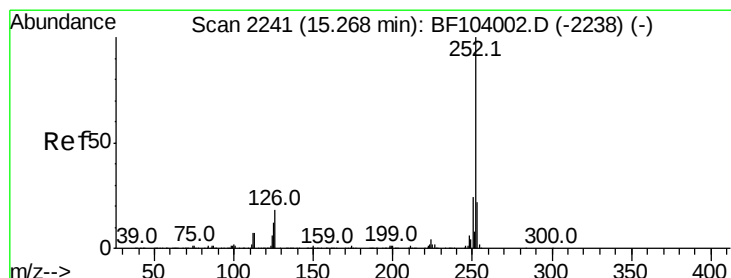
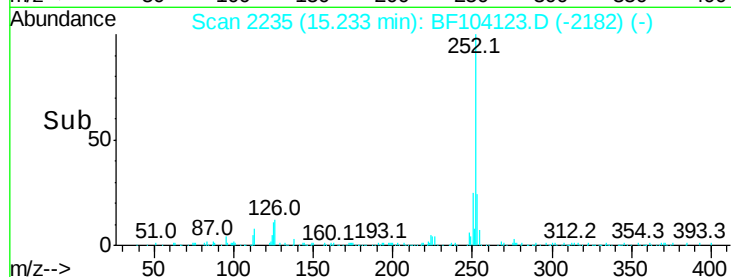
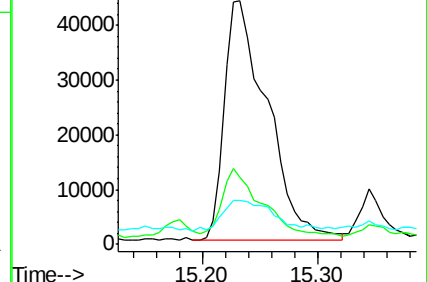
125 17.9 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 12.575 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.02 min

Lab File: BF104123.D

Acq: 31 Mar 2018 5:51

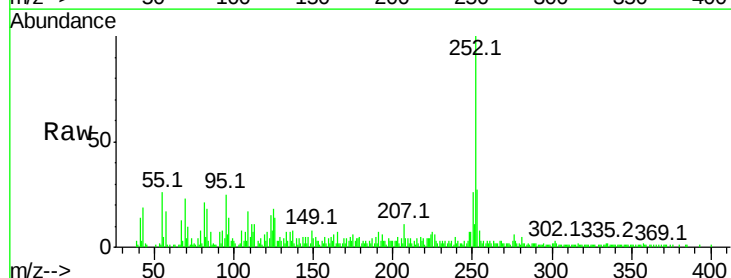
Tgt Ion:252 Resp: 113435

Ion Ratio Lower Upper

252 100

253 27.5 17.9 26.9#

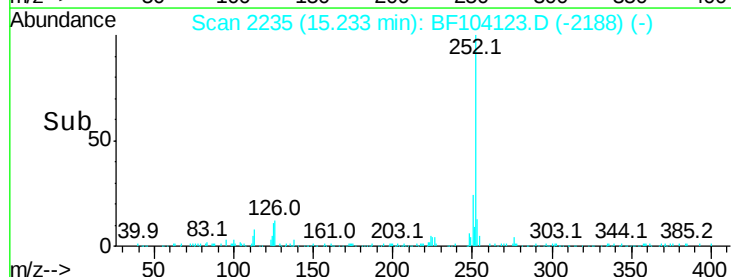
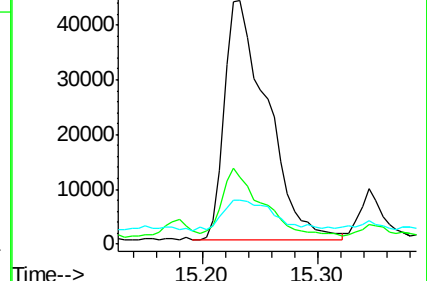
125 17.9 10.2 15.2#

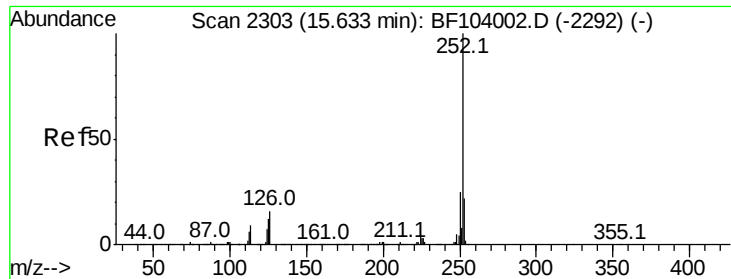


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

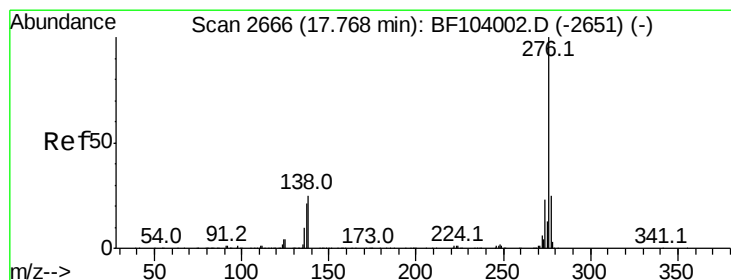
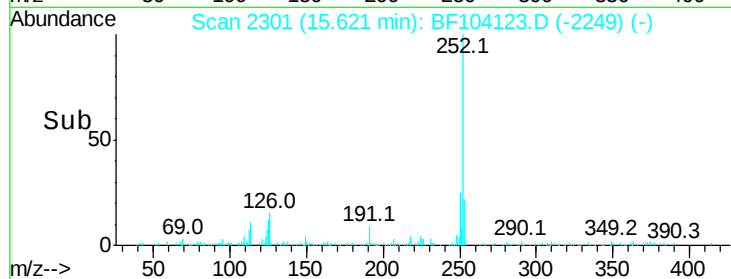
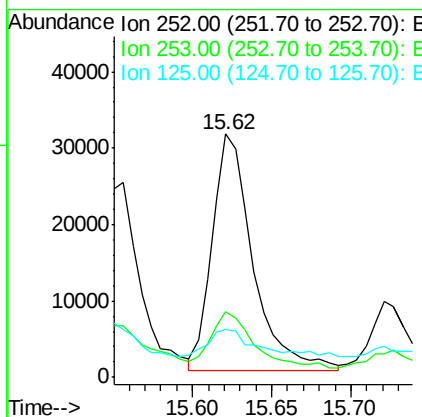
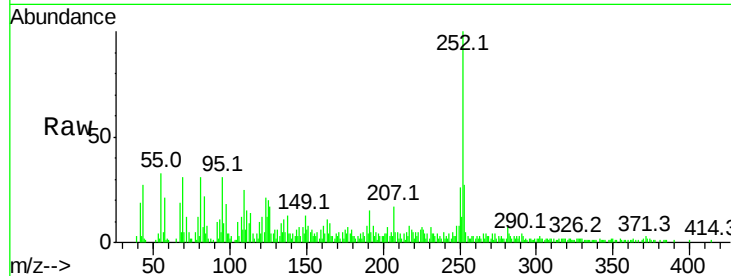




#89
Benzo(a)pyrene
Concen: 6.204 ng
RT: 15.62 min Scan# 2301
Delta R.T. 0.01 min
Lab File: BF104123.D
Acq: 31 Mar 2018 5:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 55052
Ion Ratio Lower Upper
252 100
253 27.0 17.1 25.7#
125 19.8 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 3.260 ng
RT: 17.76 min Scan# 2664
Delta R.T. 0.01 min
Lab File: BF104123.D
Acq: 31 Mar 2018 5:51

Tgt Ion:276 Resp: 26790
Ion Ratio Lower Upper
276 100
277 26.4 17.9 26.9
138 30.3 21.8 32.8

