

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF040218\
 Data File : BF104156.D
 Acq On : 3 Apr 2018 3:05
 Operator : JU/SJ
 Sample : J2121-02
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 03 05:53:06 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 02 13:40:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	99131	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	395890	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	158076	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	233246	20.00	ng	0.00
75) Chrysene-d12	14.15	240	241813	20.00	ng	0.00
86) Perylene-d12	15.69	264	197419	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	606606	97.59	ng	0.00
7) Phenol-d6	6.59	99	772726	101.04	ng	0.00
23) Nitrobenzene-d5	7.52	82	450657	69.62	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	146285	83.11	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	784889	78.30	ng	0.00
78) Terphenyl-d14	13.07	244	549187	52.44	ng	0.00

Target Compounds

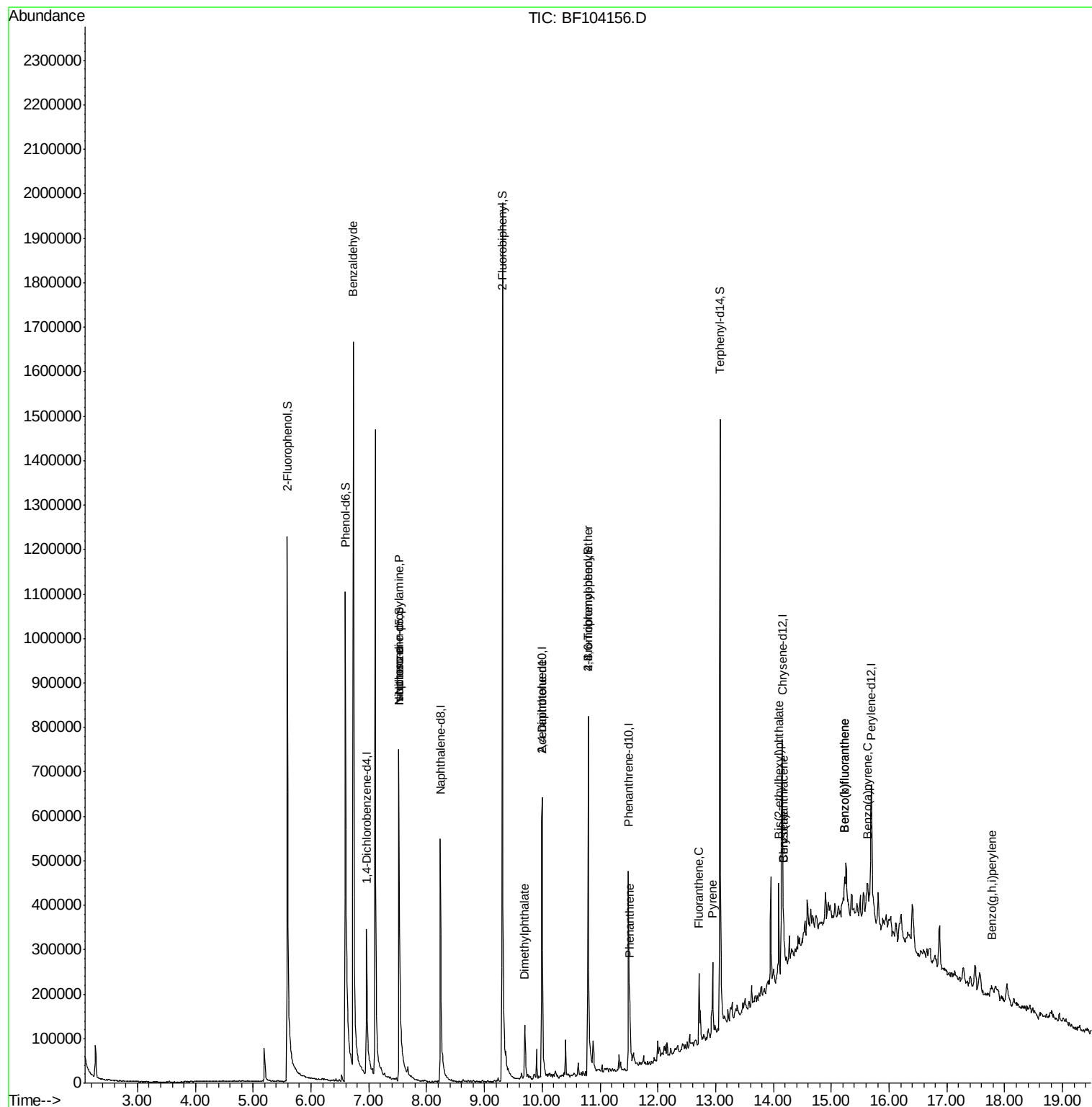
						Qvalue
9) Benzaldehyde	6.73	77	12825	2.042	ng	86
19) n-Nitroso-di-n-propylamine	7.52	70	53493	11.786	ng	# 73
25) Isophorone	7.52	82	450657	37.775	ng	# 64
49) Dimethylphthalate	9.70	163	64070	5.134	ng	99
56) 2,4-Dinitrotoluene	10.00	165	20254	5.911	ng	# 22
66) 4-Bromophenyl-phenylether	10.79	248	8895	3.565	ng	# 1
70) Phenanthrene	11.52	178	43890	3.476	ng	98
74) Fluoranthene	12.71	202	85188	6.346	ng	98
77) Pyrene	12.95	202	84131	4.840	ng	98
80) Benzo(a)anthracene	14.17	228	47179	3.118	ng	94
82) Chrysene	14.17	228	47179	3.184	ng	96
83) Bis(2-ethylhexyl)phthalate	14.09	149	63099	5.963	ng	100
87) Benzo(b)fluoranthene	15.23	252	73585	6.125	ng	# 78
88) Benzo(k)fluoranthene	15.23	252	73585	6.502	ng	# 82
89) Benzo(a)pyrene	15.63	252	47104	4.231	ng	# 89
91) Benzo(g,h,i)perylene	17.77	276	22583	2.190	ng	# 87

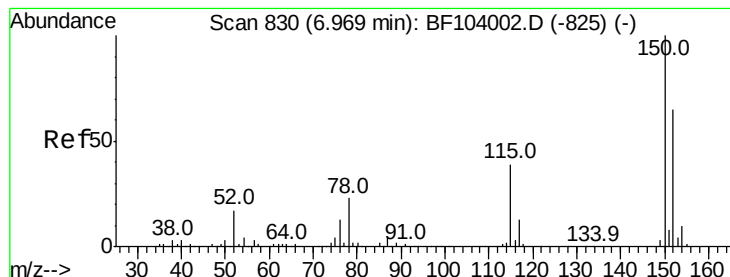
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF104156.D

Acq: 3 Apr 2018 3:05

Instrument :

BNA_F

ClientSampleId :

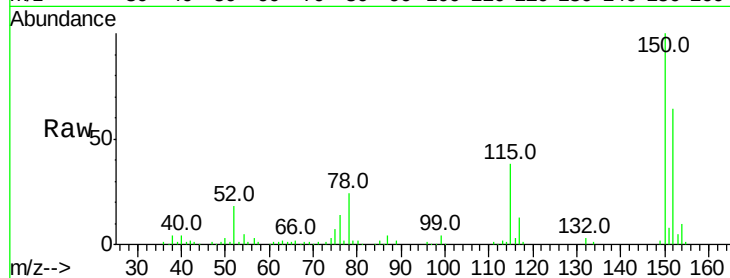
Tot Ion:152 Resp: 99131

Ion Ratio Lower Upper

152 100

150 156.3 124.6 186.8

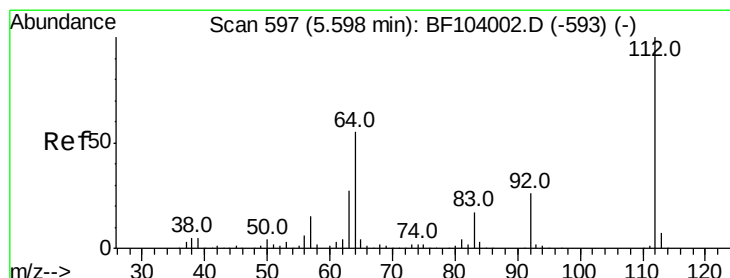
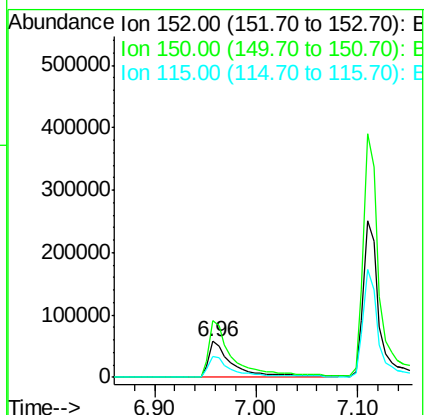
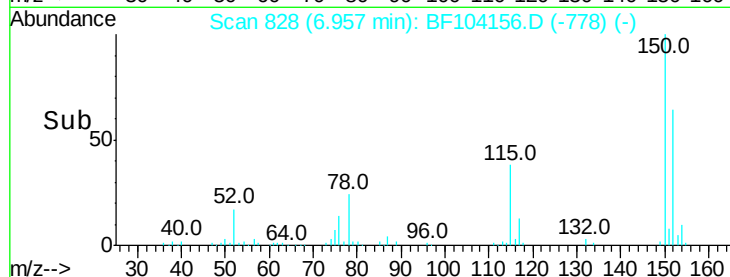
115 59.3 50.1 75.1



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: 97.586 ng

RT: 5.59 min Scan# 596

Delta R.T. 0.01 min

Lab File: BF104156.D

Acq: 3 Apr 2018 3:05

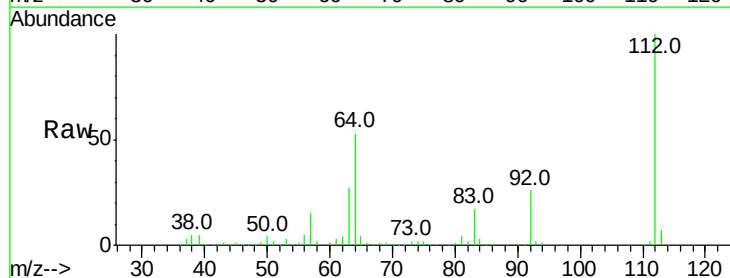
Tgt Ion:112 Resp: 606606

Ion Ratio Lower Upper

112 100

64 53.2 47.9 71.9

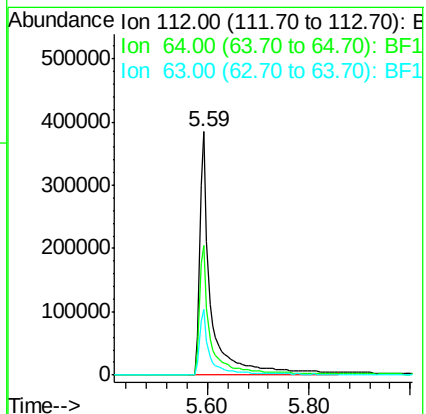
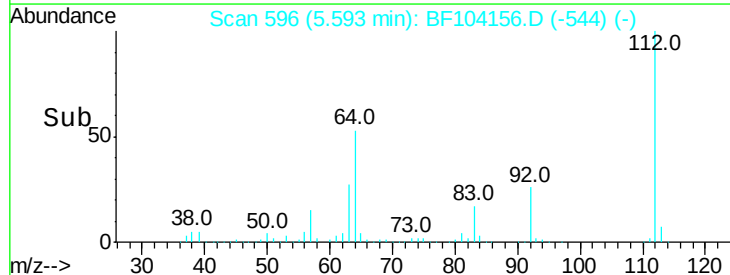
63 26.8 23.7 35.5

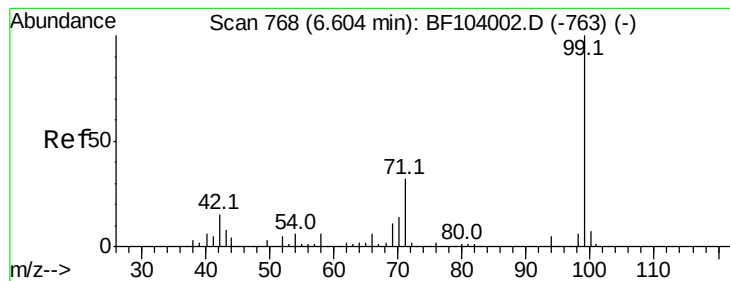


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 101.041 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF104156.D

Acq: 3 Apr 2018 3:05

Instrument :

BNA_F

ClientSampleId :

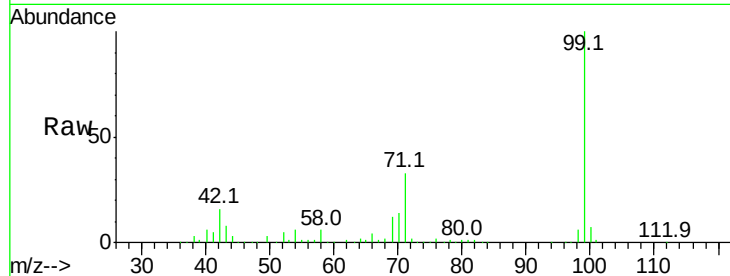
Tot Ion: 99 Resp: 772726

Ion Ratio Lower Upper

99 100

42 15.9 14.5 21.7

71 32.9 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

500000

400000

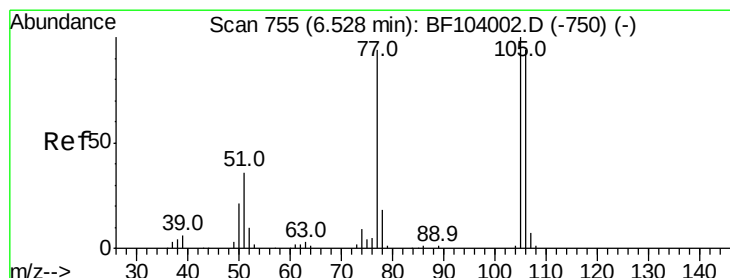
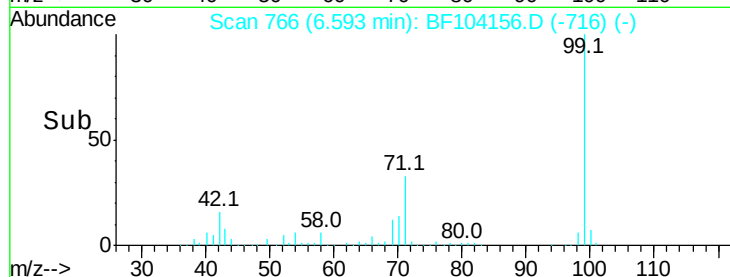
300000

200000

100000

0

Time-->



#9

Benzaldehyde

Concen: 2.042 ng

RT: 6.73 min Scan# 790

Delta R.T. 0.21 min

Lab File: BF104156.D

Acq: 3 Apr 2018 3:05

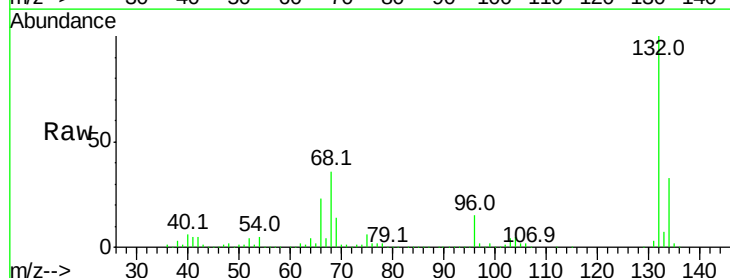
Tgt Ion: 77 Resp: 12825

Ion Ratio Lower Upper

77 100

105 86.9 81.1 121.1

106 81.6 74.5 114.5



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

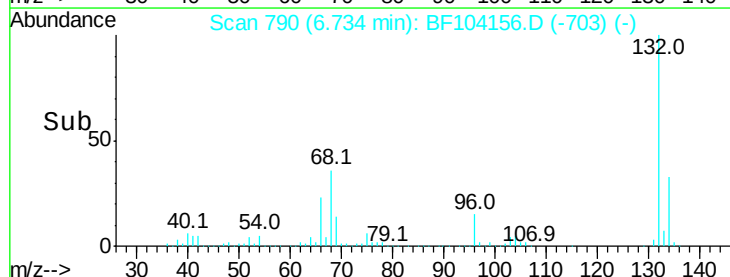
6.73

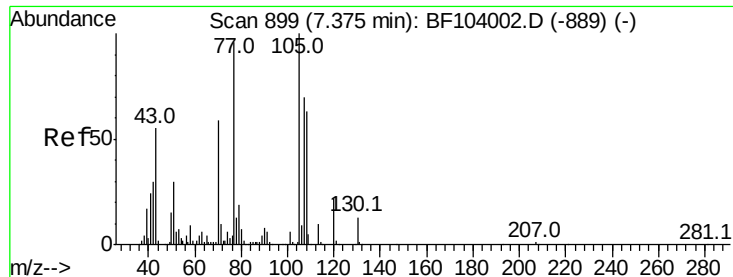
10000

5000

0

Time-->

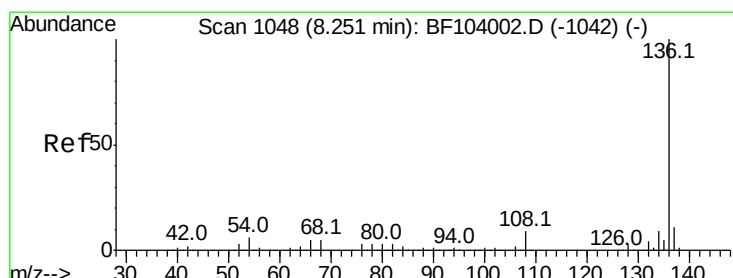
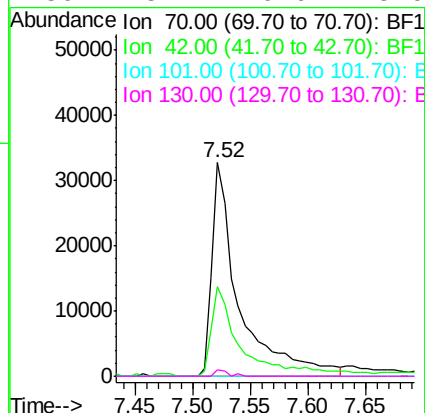
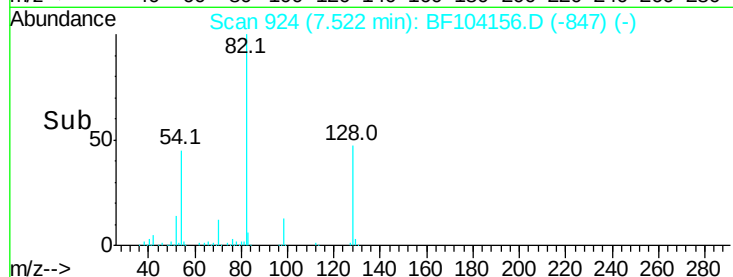
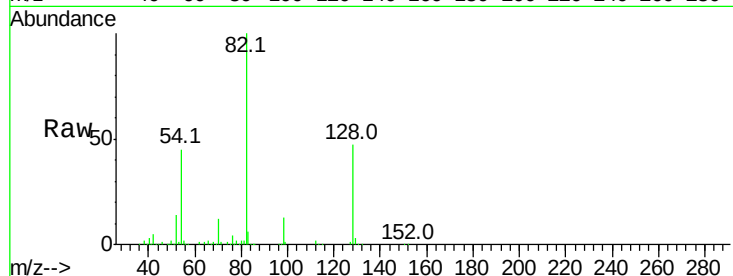




#19
n-Nitroso-di-n-propylamine
Concen: 11.786 ng
RT: 7.52 min Scan# 924
Delta R.T. 0.15 min
Lab File: BF104156.D
Acq: 3 Apr 2018 3:05

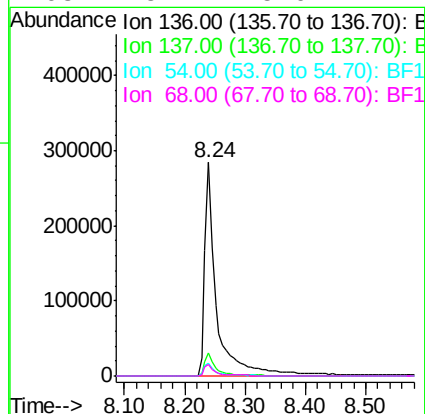
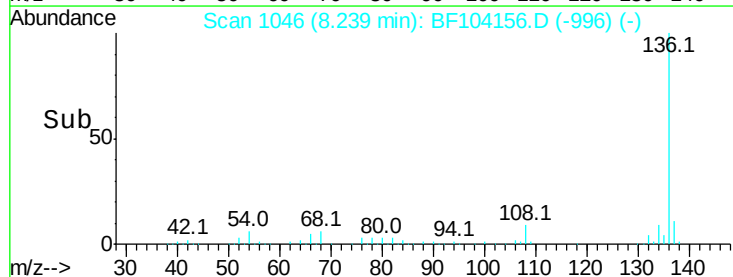
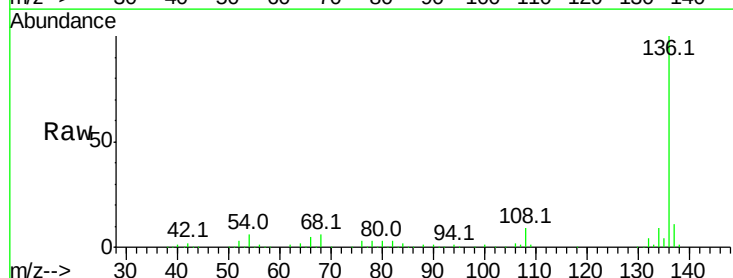
Instrument :
BNA_F
ClientSampleId :

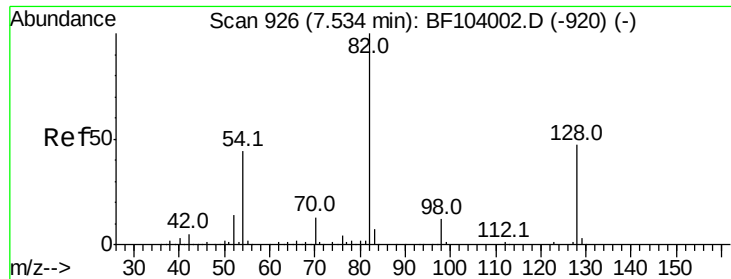
Tot Ion: 70 Resp: 53493
Ion Ratio Lower Upper
70 100
42 41.8 47.5 71.3#
101 0.0 7.4 11.2#
130 3.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BF104156.D
Acq: 3 Apr 2018 3:05

Tgt Ion: 136 Resp: 395890
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 6.2 6.6 9.8#
68 5.7 5.0 7.4

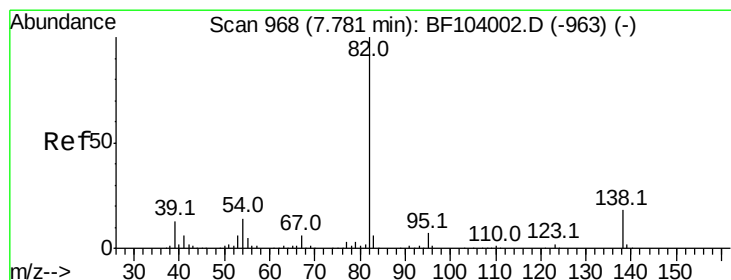
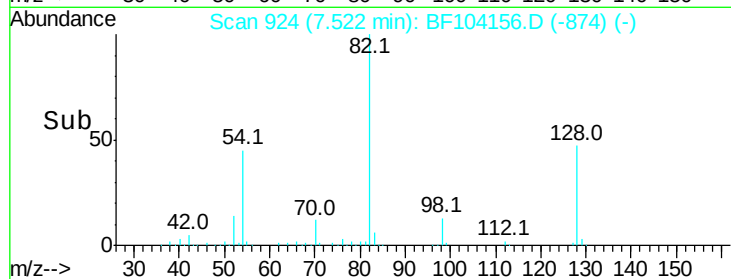
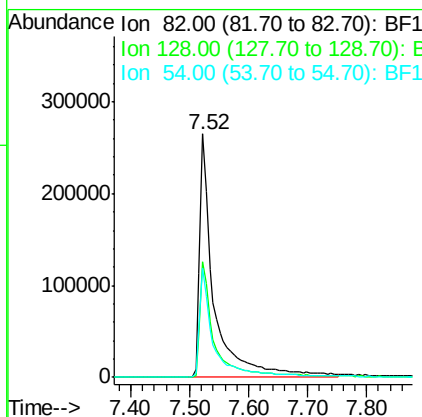
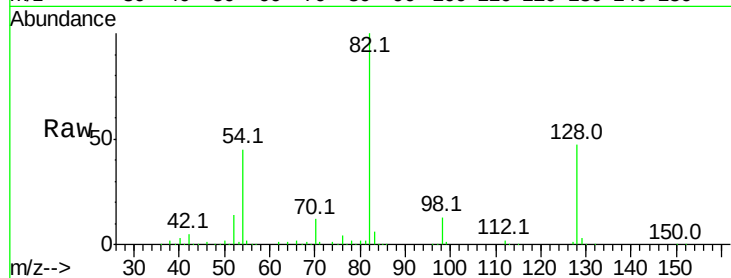




#23
 Nitrobenzene-d5
 Concen: 69.616 ng
 RT: 7.52 min Scan# 924
 Delta R.T. -0.01 min
 Lab File: BF104156.D
 Acq: 3 Apr 2018 3:05

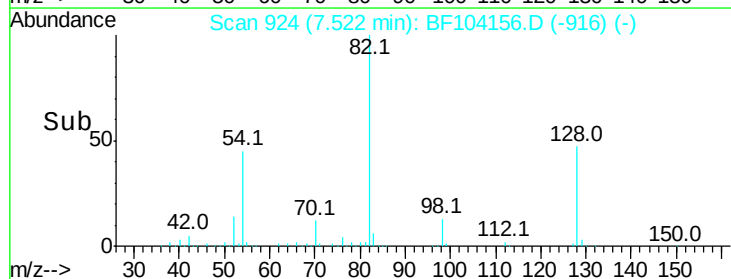
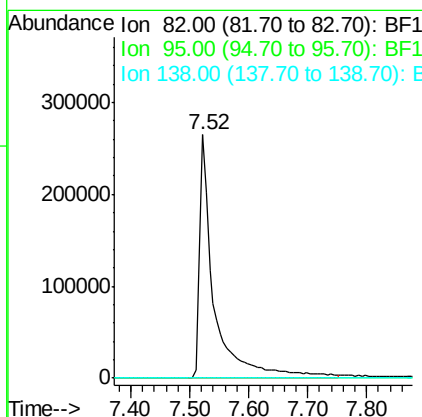
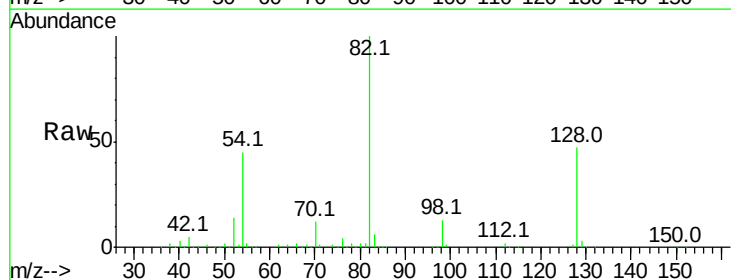
Instrument :
 BNA_F
 ClientSampleId :

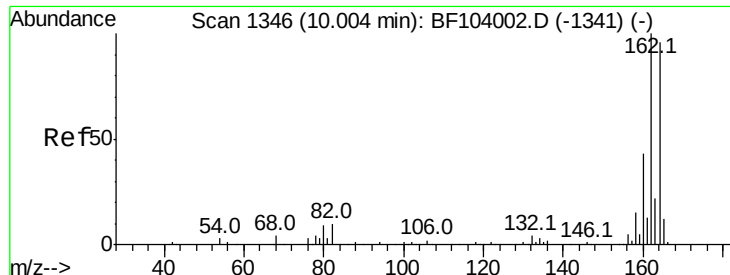
Tot Ion	Ratio	Lower	Upper
82	100		
128	47.5	36.1	54.1
54	45.0	41.4	62.2



#25
 Isophorone
 Concen: 37.775 ng
 RT: 7.52 min Scan# 924
 Delta R.T. -0.25 min
 Lab File: BF104156.D
 Acq: 3 Apr 2018 3:05

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: 10.00 min Scan# 1345

Delta R.T. -0.00 min

Lab File: BF104156.D

Acq: 3 Apr 2018 3:05

Instrument :

BNA_F

ClientSampleId :

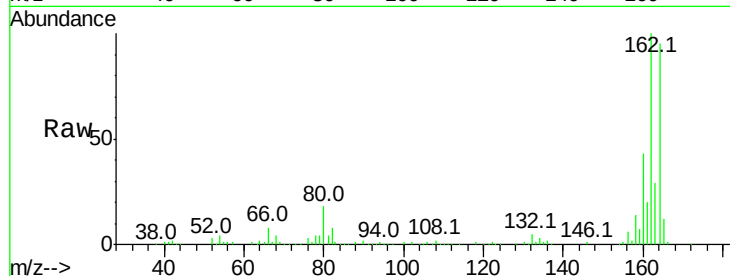
Tot Ion:164 Resp: 158076

Ion Ratio Lower Upper

164 100

162 105.1 86.1 129.1

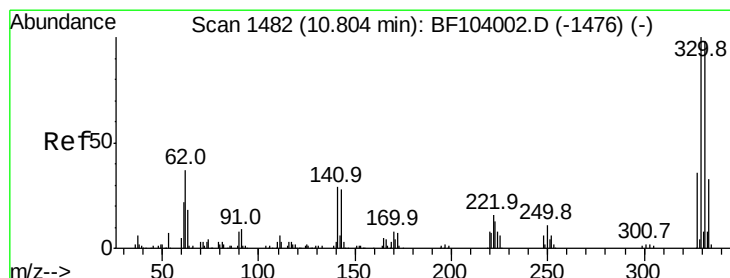
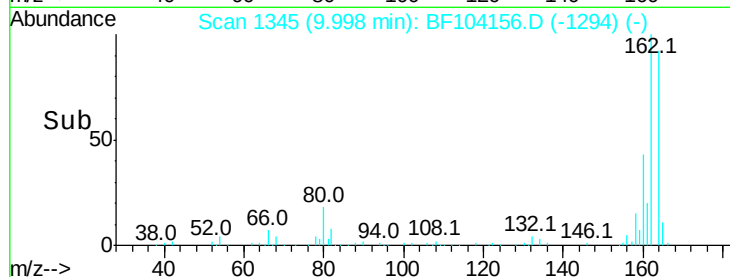
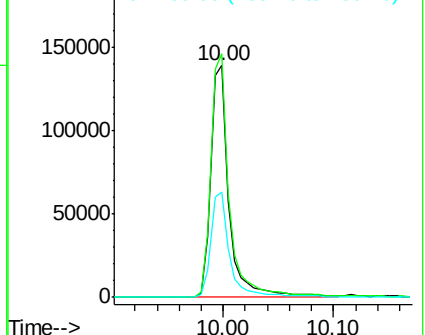
160 45.5 38.3 57.5



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: 83.108 ng

RT: 10.79 min Scan# 1480

Delta R.T. -0.01 min

Lab File: BF104156.D

Acq: 3 Apr 2018 3:05

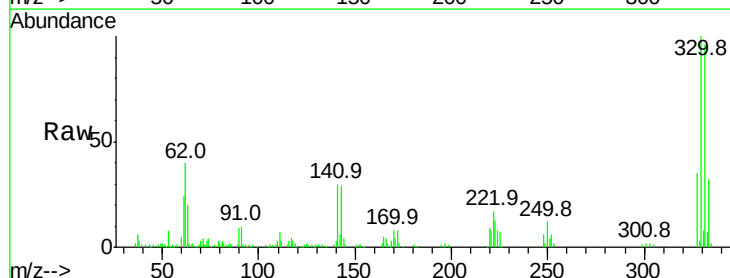
Tgt Ion:330 Resp: 146285

Ion Ratio Lower Upper

330 100

332 94.4 77.0 115.6

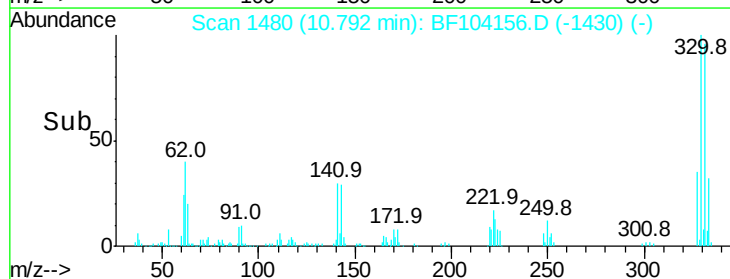
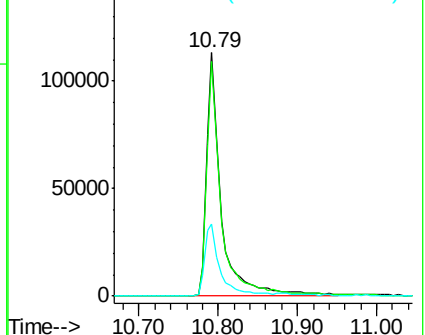
141 31.4 29.9 44.9

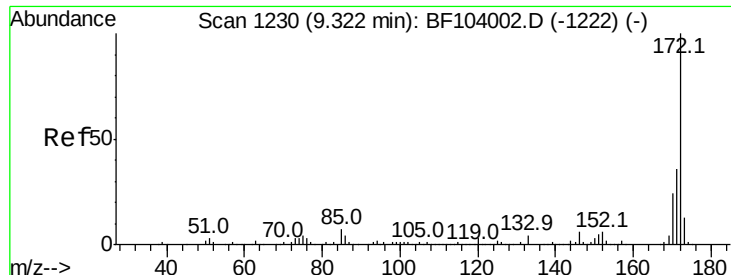


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

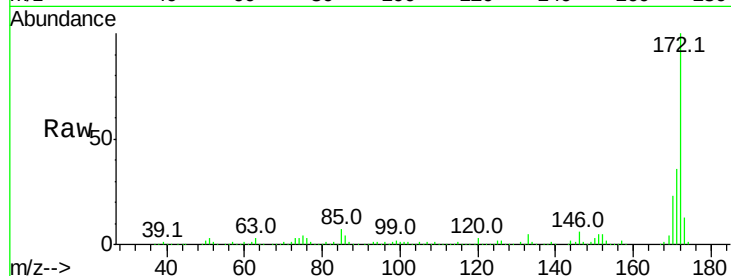




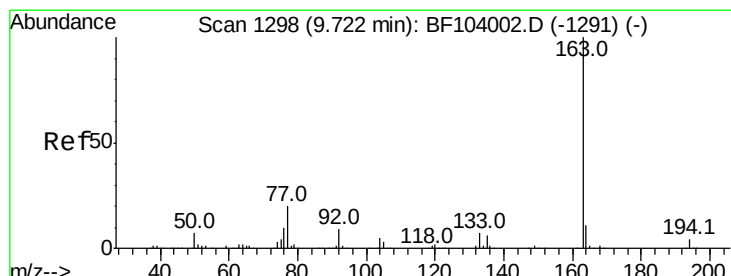
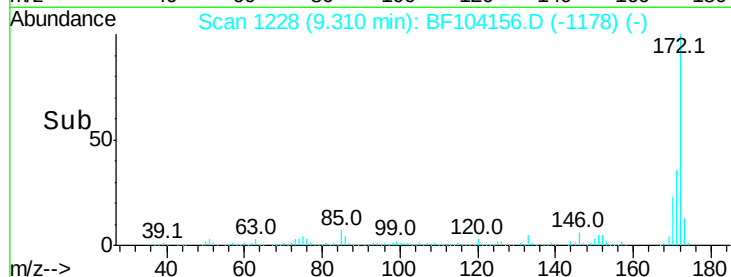
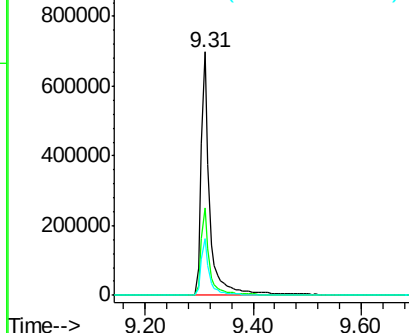
#44
 2-Fluorobiphenyl
 Concen: 78.298 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF104156.D
 Acq: 3 Apr 2018 3:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 784889
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.7 44.5
 170 23.1 19.6 29.4

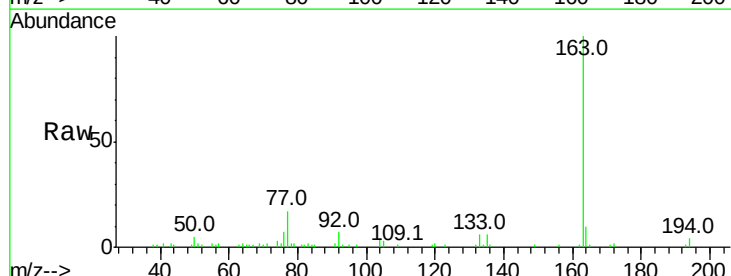


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

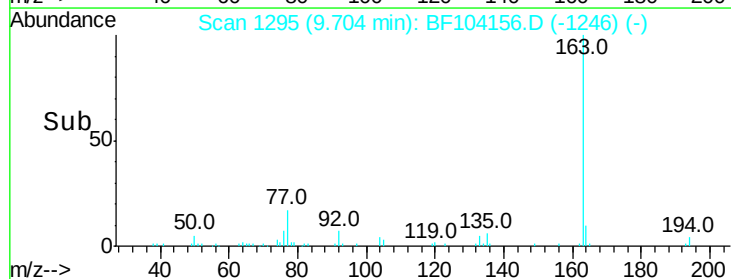
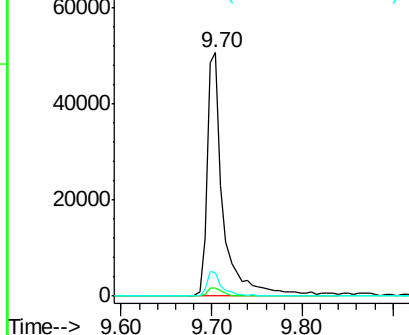


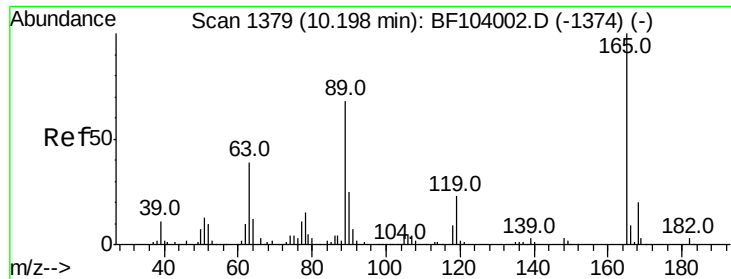
#49
 Dimethylphthalate
 Concen: 5.134 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. -0.01 min
 Lab File: BF104156.D
 Acq: 3 Apr 2018 3:05

Tgt Ion:163 Resp: 64070
 Ion Ratio Lower Upper
 163 100
 194 3.5 2.7 4.1
 164 9.8 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

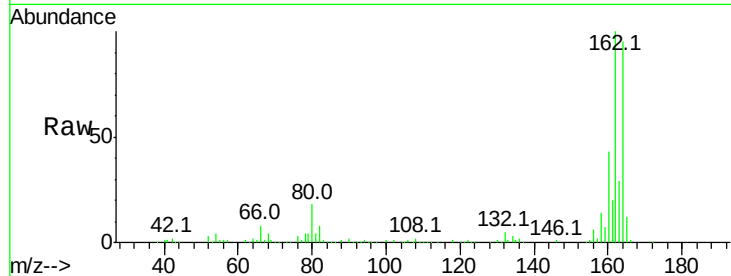




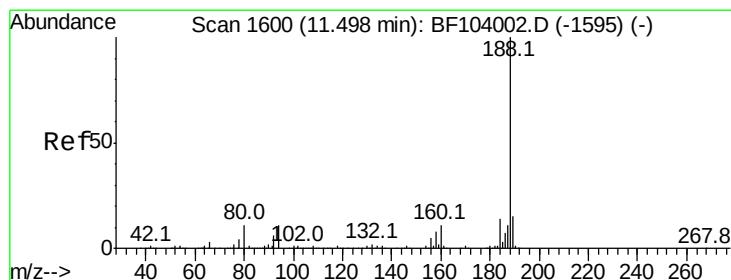
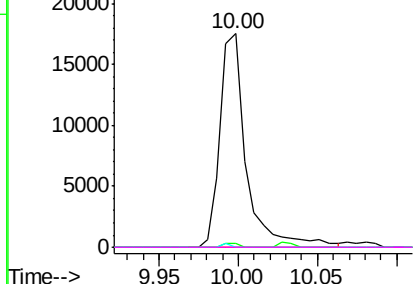
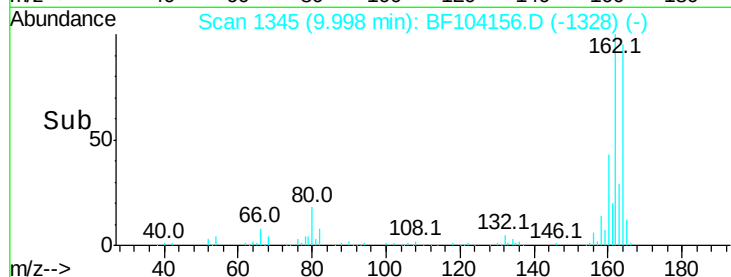
#56
 2,4-Dinitrotoluene
 Concen: 5.911 ng
 RT: 10.00 min Scan# 1345
 Delta R.T. -0.20 min
 Lab File: BF104156.D
 Acq: 3 Apr 2018 3:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 20254
 Ion Ratio Lower Upper
 165 100
 63 1.8 36.4 54.6#
 89 0.0 57.8 86.6#
 182 0.0 1.6 2.4#

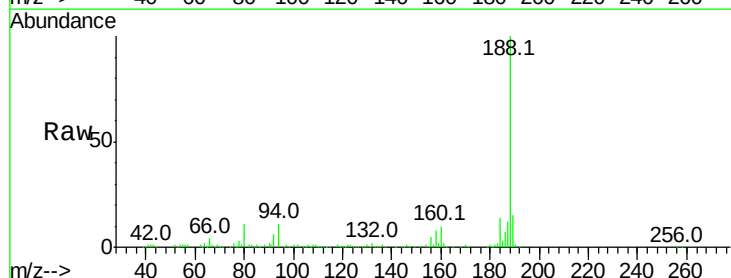


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

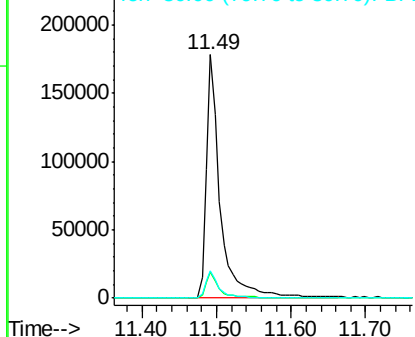
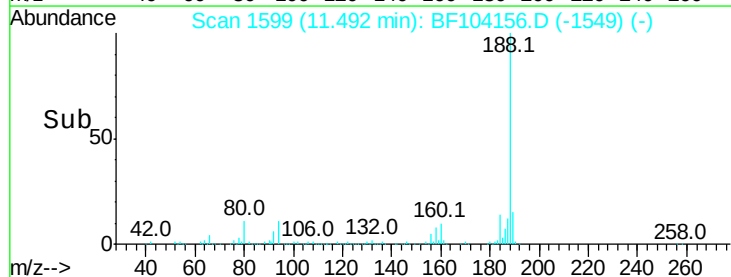


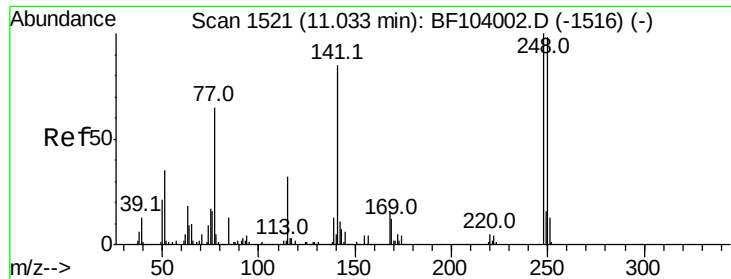
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: BF104156.D
 Acq: 3 Apr 2018 3:05

Tgt Ion:188 Resp: 233246
 Ion Ratio Lower Upper
 188 100
 94 10.7 8.5 12.7
 80 11.4 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

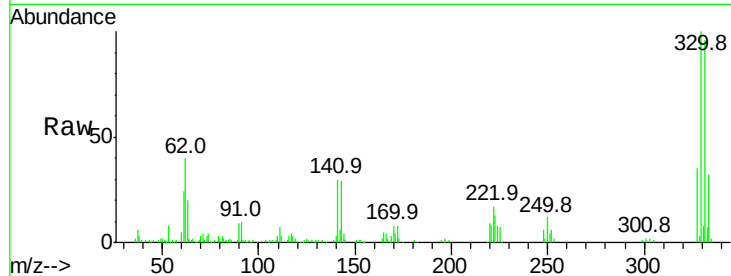




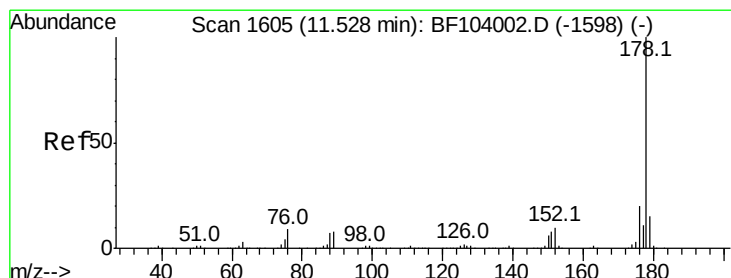
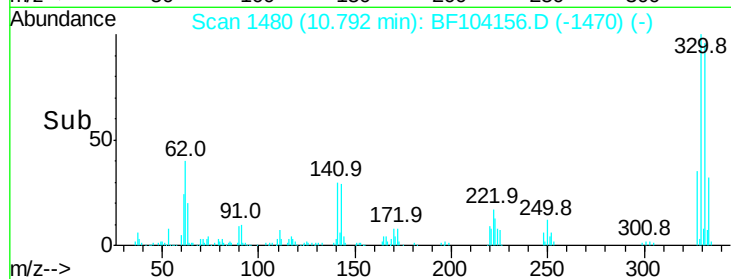
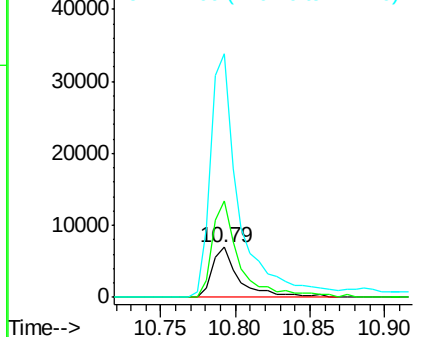
#66
 4-Bromophenyl-phenylether
 Concen: 3.565 ng
 RT: 10.79 min Scan# 1480
 Delta R.T. -0.24 min
 Lab File: BF104156.D
 Acq: 3 Apr 2018 3:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 8895
 Ion Ratio Lower Upper
 248 100
 250 192.6 76.9 115.3#
 141 484.2 74.4 111.6#

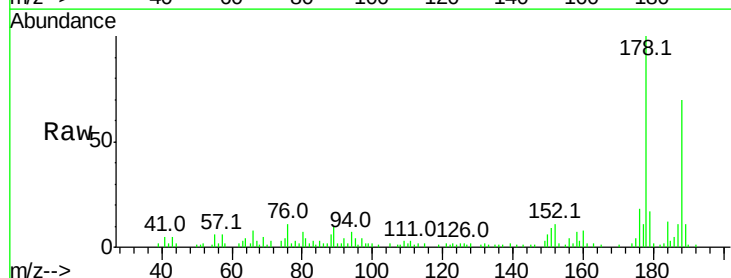


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

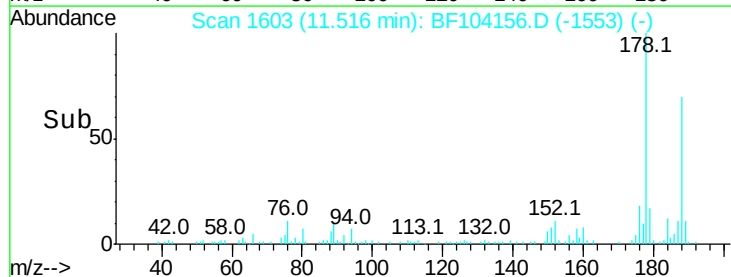
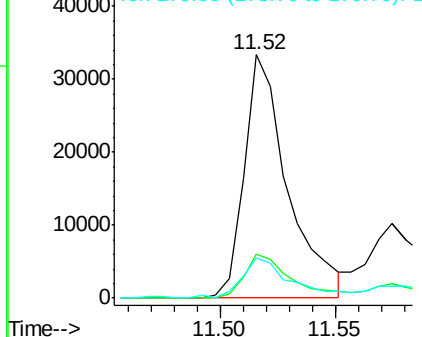


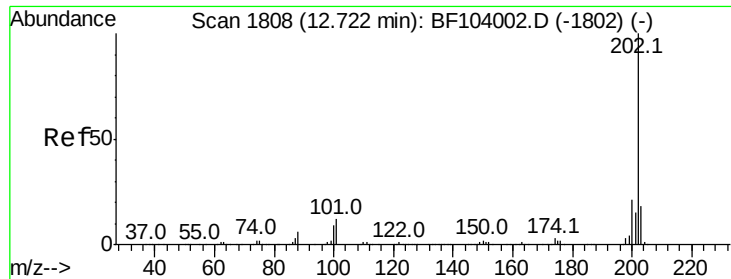
#70
 Phenanthrene
 Concen: 3.476 ng
 RT: 11.52 min Scan# 1603
 Delta R.T. -0.01 min
 Lab File: BF104156.D
 Acq: 3 Apr 2018 3:05

Tgt Ion:178 Resp: 43890
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.8 23.8
 179 16.5 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

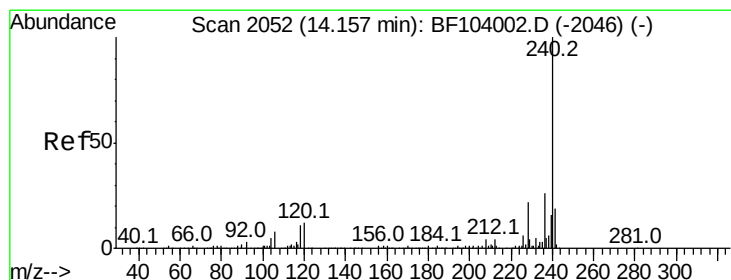
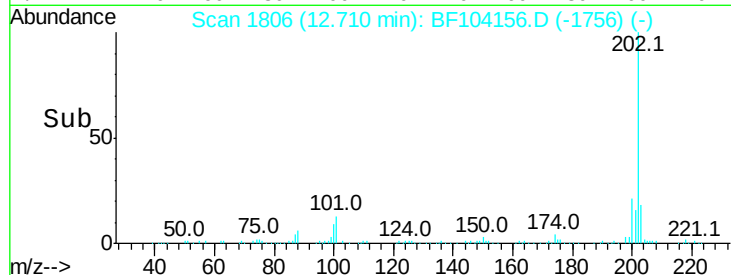
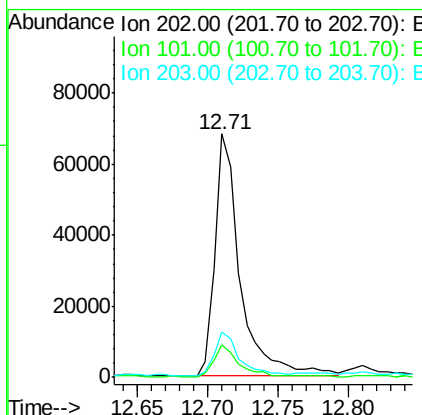
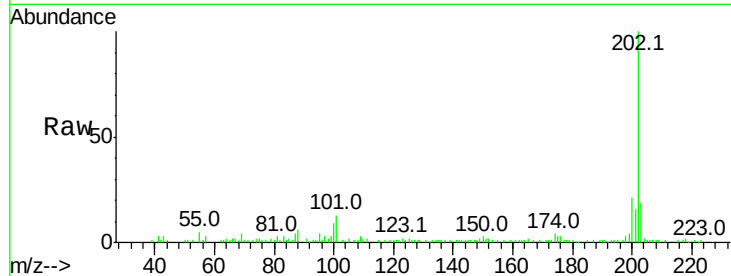




#74
Fluoranthene
Concen: 6.346 ng
RT: 12.71 min Scan# 1806
Delta R.T. -0.01 min
Lab File: BF104156.D
Acq: 3 Apr 2018 3:05

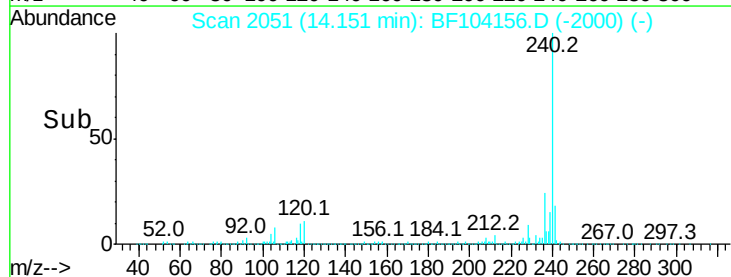
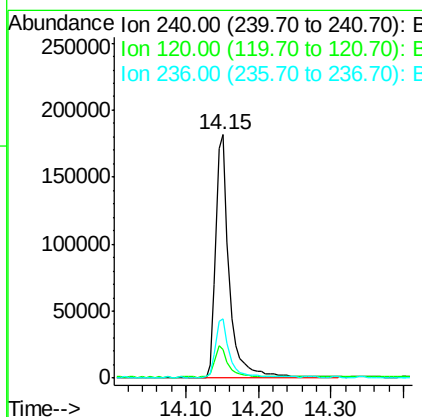
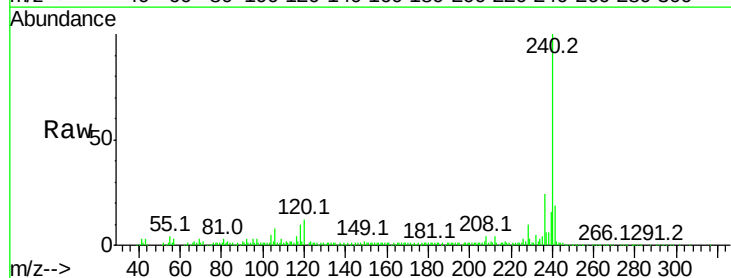
Instrument :
BNA_F
ClientSampleId :

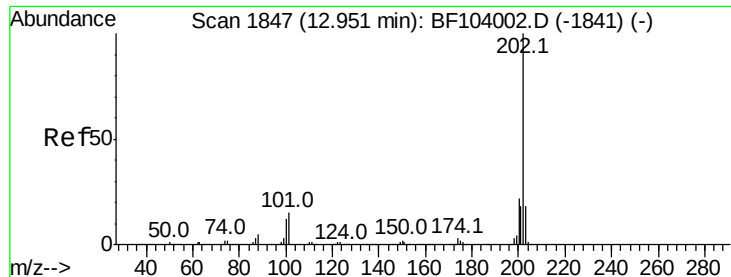
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	34.1
203	18.6	0.0	38.1



#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2051
Delta R.T. 0.00 min
Lab File: BF104156.D
Acq: 3 Apr 2018 3:05

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.5	14.3
236	24.5	20.7	31.1





#77

Pvrene

Concen: 4.840 ng

RT: 12.95 min Scan# 1846

Delta R.T. -0.00 min

Lab File: BF104156.D

Acq: 3 Apr 2018 3:05

Instrument :

BNA_F

ClientSampleId :

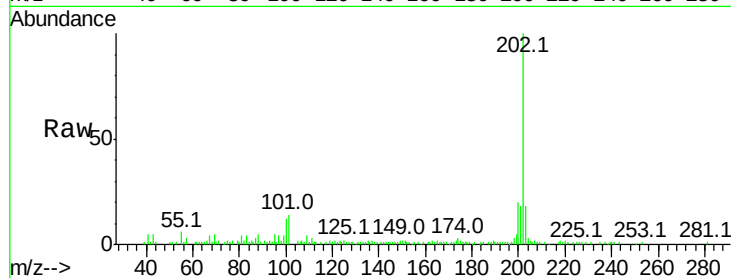
Tot Ion:202 Resp: 84131

Ion Ratio Lower Upper

202 100

200 20.2 17.4 26.2

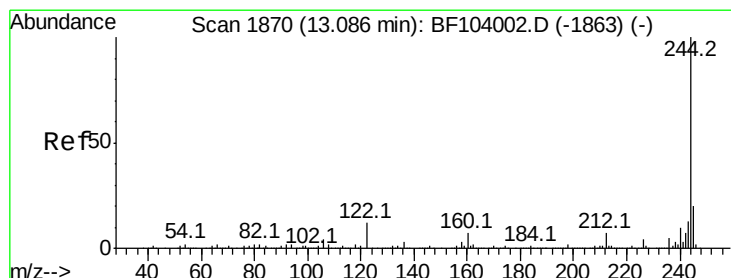
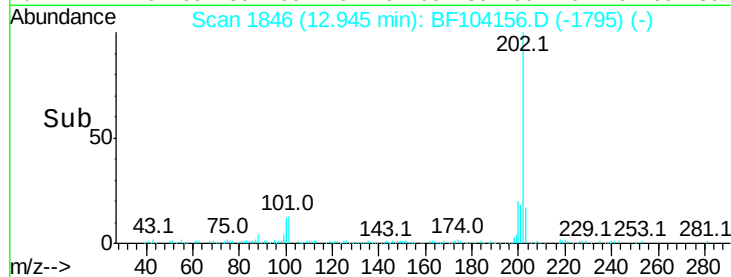
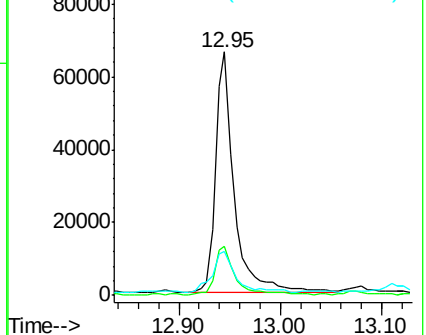
203 18.3 14.3 21.5



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: 52.439 ng

RT: 13.07 min Scan# 1868

Delta R.T. -0.01 min

Lab File: BF104156.D

Acq: 3 Apr 2018 3:05

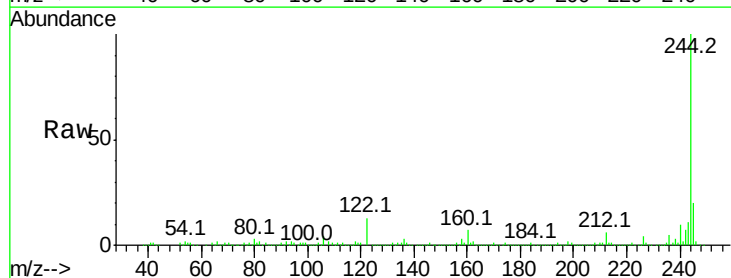
Tgt Ion:244 Resp: 549187

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

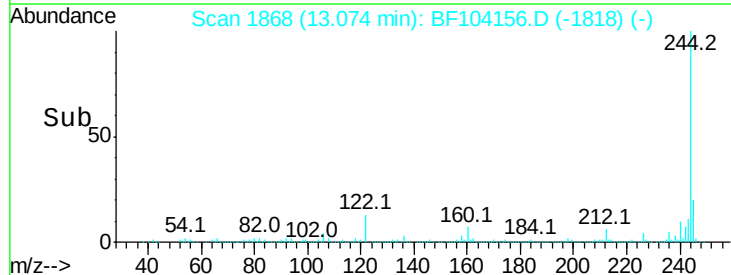
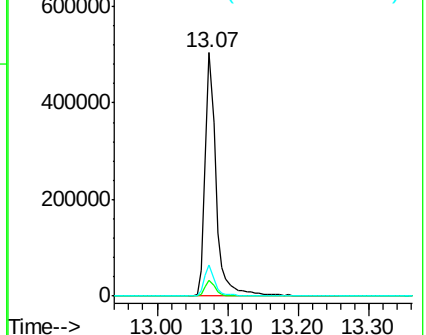
122 12.7 11.0 16.4

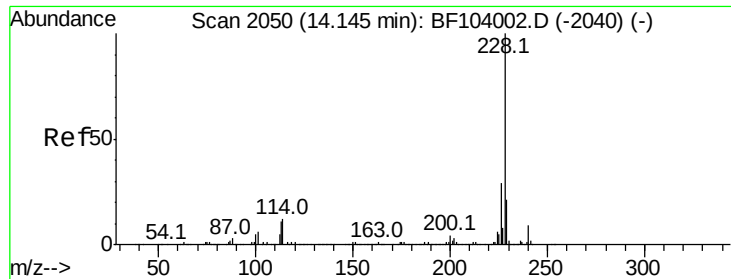


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.118 ng

RT: 14.17 min Scan# 2055

Delta R.T. 0.04 min

Lab File: BF104156.D

Acq: 3 Apr 2018 3:05

Instrument :

BNA_F

ClientSampleId :

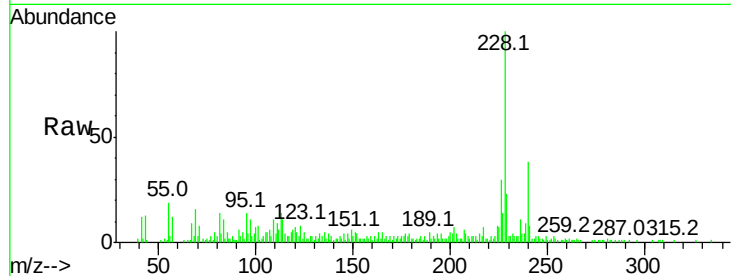
Tot Ion:228 Resp: 47179

Ion Ratio Lower Upper

228 100

226 30.2 22.6 33.8

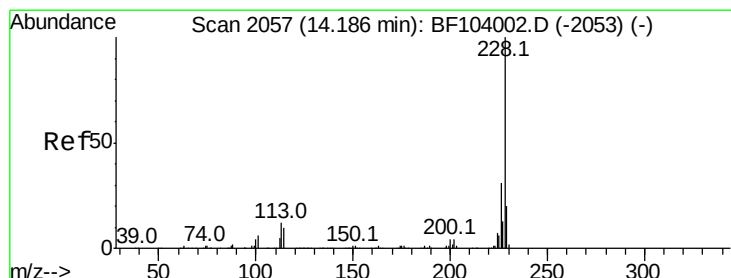
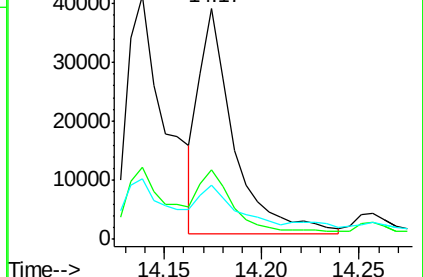
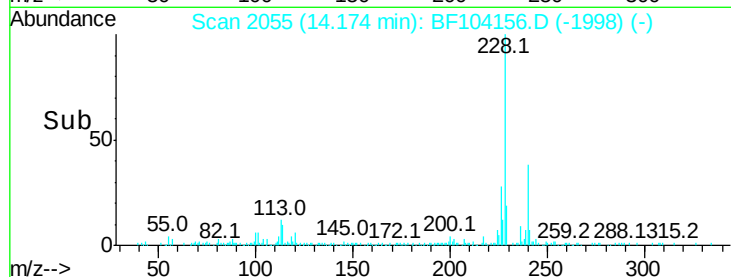
229 23.5 15.8 23.6



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: 3.184 ng

RT: 14.17 min Scan# 2055

Delta R.T. -0.01 min

Lab File: BF104156.D

Acq: 3 Apr 2018 3:05

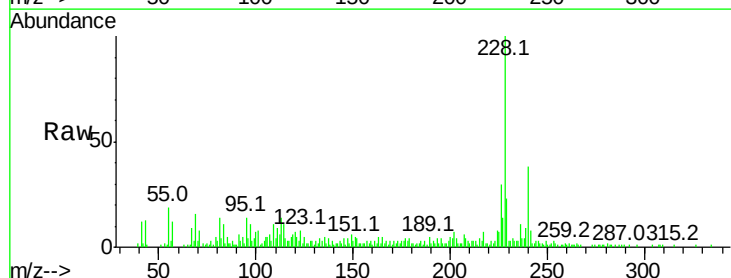
Tgt Ion:228 Resp: 47179

Ion Ratio Lower Upper

228 100

226 30.2 25.0 37.6

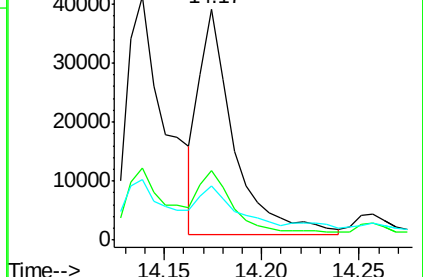
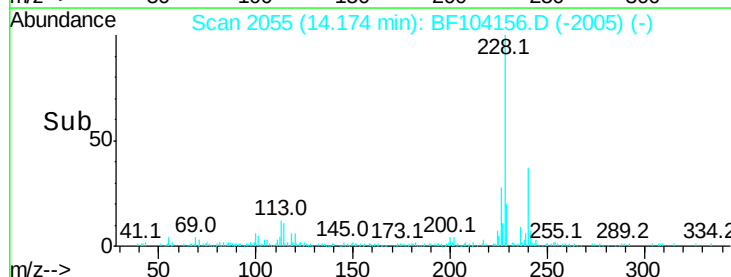
229 23.5 16.2 24.4

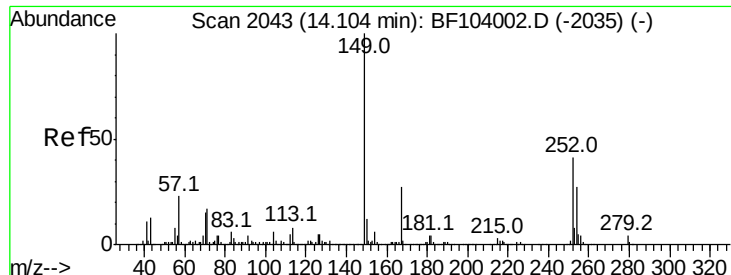


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 5.963 ng

RT: 14.09 min Scan# 2041

Delta R.T. -0.01 min

Lab File: BF104156.D

Acq: 3 Apr 2018 3:05

Instrument :

BNA_F

ClientSampleId :

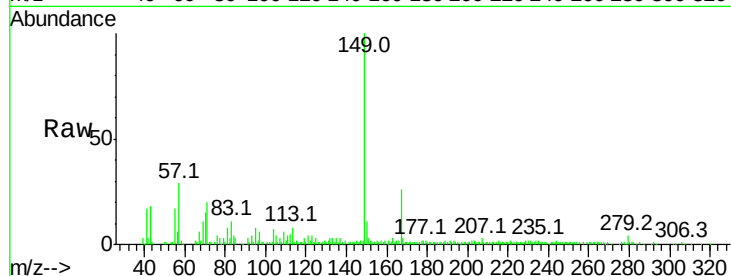
Tot Ion:149 Resp: 63099

Ion Ratio Lower Upper

149 100

167 26.4 21.3 31.9

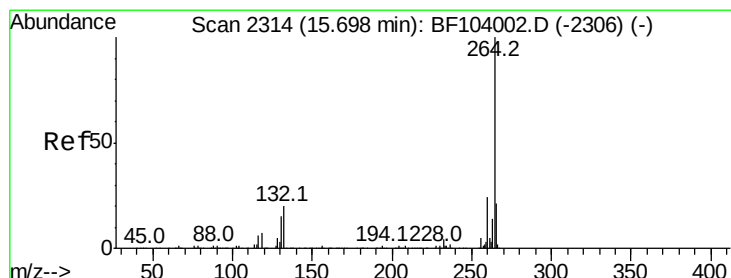
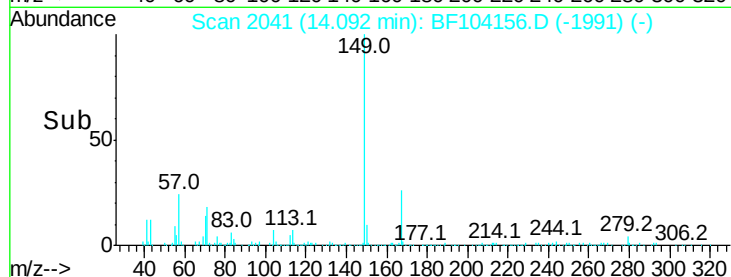
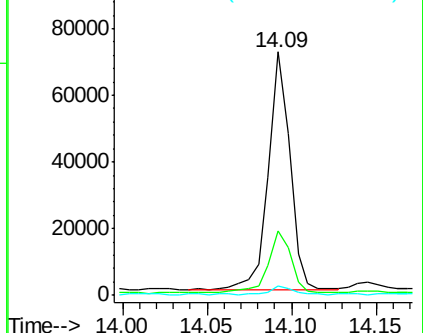
279 3.6 3.0 4.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2313

Delta R.T. -0.00 min

Lab File: BF104156.D

Acq: 3 Apr 2018 3:05

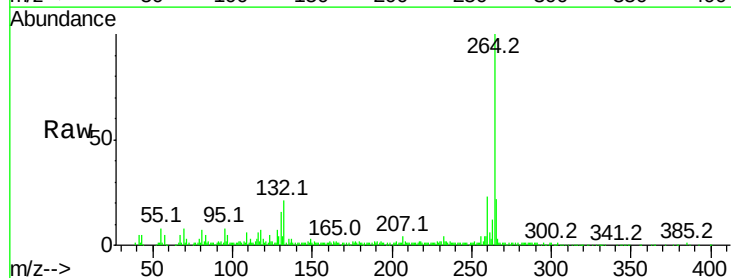
Tgt Ion:264 Resp: 197419

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

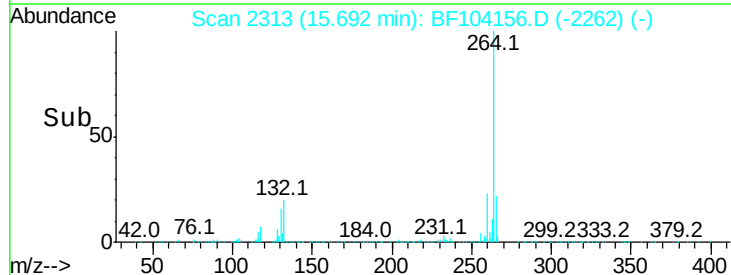
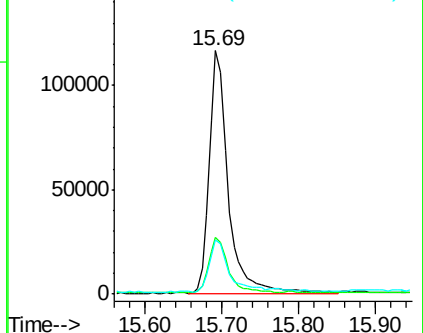
265 22.3 17.5 26.3

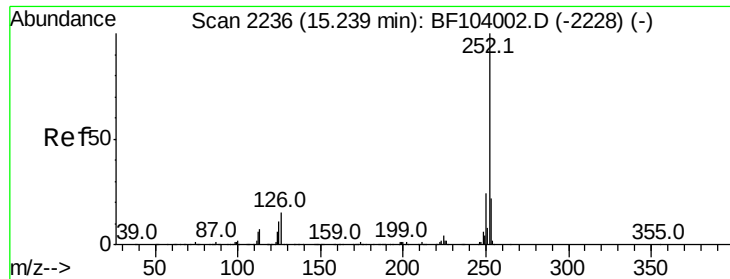


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 6.125 ng

RT: 15.23 min Scan# 2235

Delta R.T. 0.00 min

Lab File: BF104156.D

Acq: 3 Apr 2018 3:05

Instrument :

BNA_F

ClientSampleId :

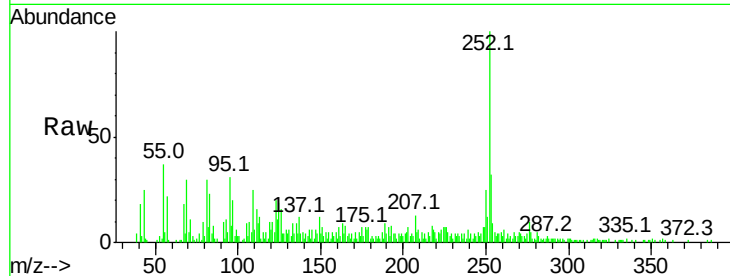
Tot Ion:252 Resp: 73585

Ion Ratio Lower Upper

252 100

253 31.9 17.0 25.6#

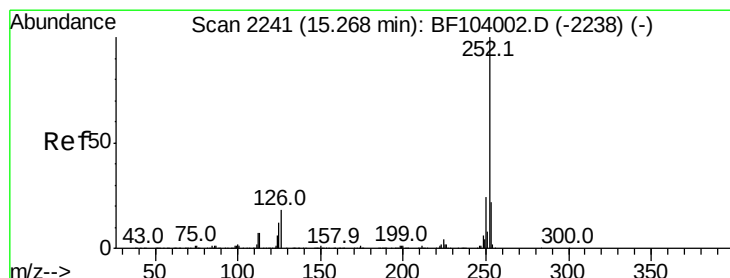
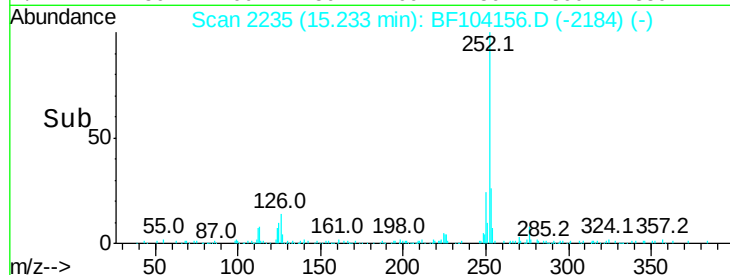
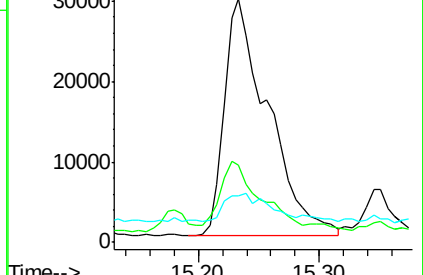
125 19.1 9.0 13.6#



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: 6.502 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.03 min

Lab File: BF104156.D

Acq: 3 Apr 2018 3:05

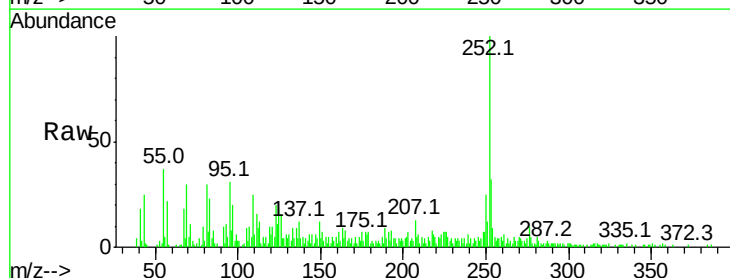
Tgt Ion:252 Resp: 73585

Ion Ratio Lower Upper

252 100

253 31.9 17.9 26.9#

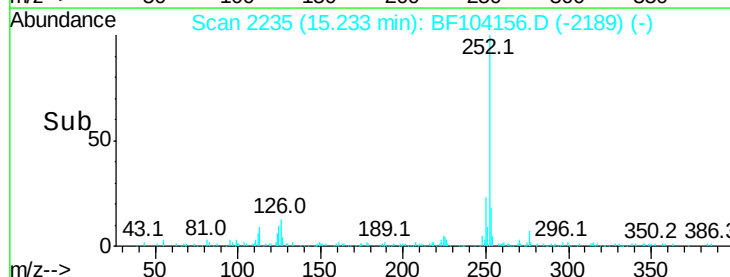
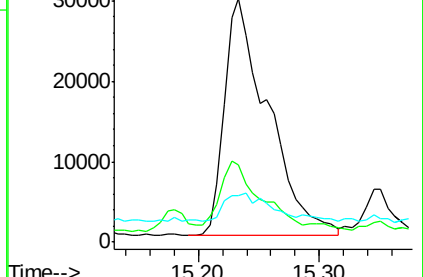
125 19.1 10.2 15.2#

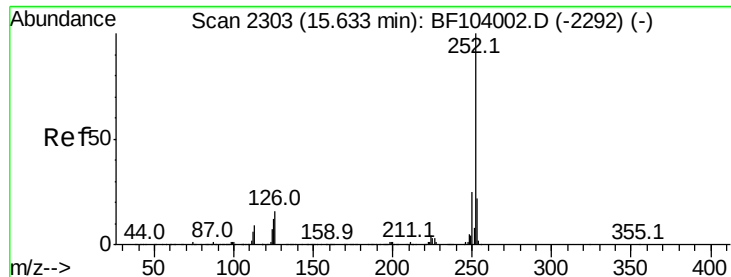


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

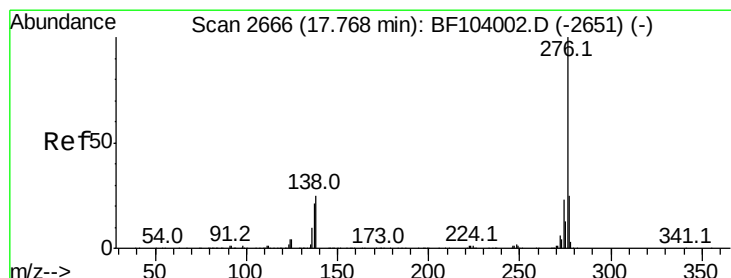
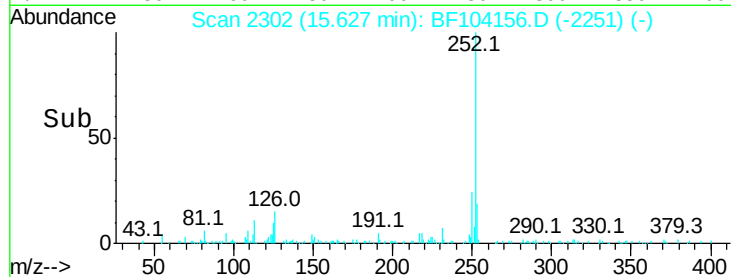
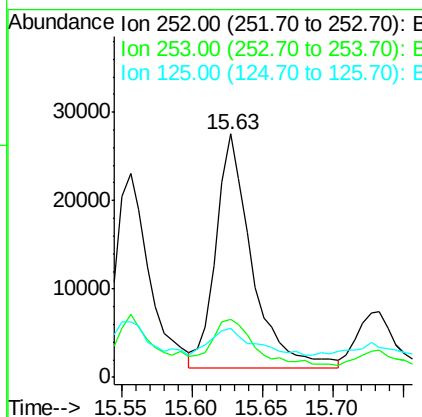
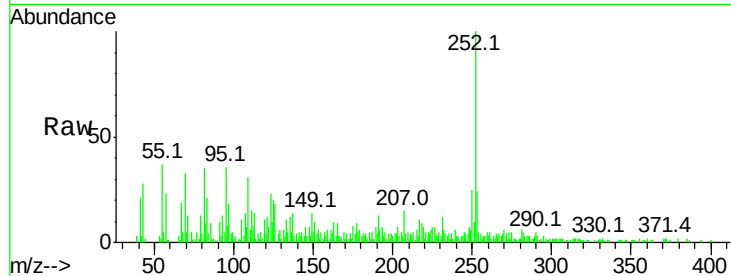




#89
Benzo(a)pyrene
Concen: 4.231 ng
RT: 15.63 min Scan# 2302
Delta R.T. 0.00 min
Lab File: BF104156.D
Acq: 3 Apr 2018 3:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 47104
Ion Ratio Lower Upper
252 100
253 23.9 17.1 25.7
125 20.2 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 2.190 ng
RT: 17.77 min Scan# 2666
Delta R.T. -0.00 min
Lab File: BF104156.D
Acq: 3 Apr 2018 3:05

Tgt Ion:276 Resp: 22583
Ion Ratio Lower Upper
276 100
277 29.1 17.9 26.9#
138 33.7 21.8 32.8#

