

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF040218\
 Data File : BF104157.D
 Acq On : 3 Apr 2018 3:31
 Operator : JU/SJ
 Sample : J2121-04
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 03 05:53:21 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	96213	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	385425	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	164796	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	248041	20.00	ng	0.00
75) Chrysene-d12	14.14	240	228984	20.00	ng	0.00
86) Perylene-d12	15.69	264	193518	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	480240	79.60	ng	0.00
7) Phenol-d6	6.59	99	647494	87.23	ng	0.00
23) Nitrobenzene-d5	7.52	82	372374	59.08	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	132167	72.03	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	709700	67.91	ng	0.00
78) Terphenyl-d14	13.07	244	508529	51.28	ng	0.00

Target Compounds

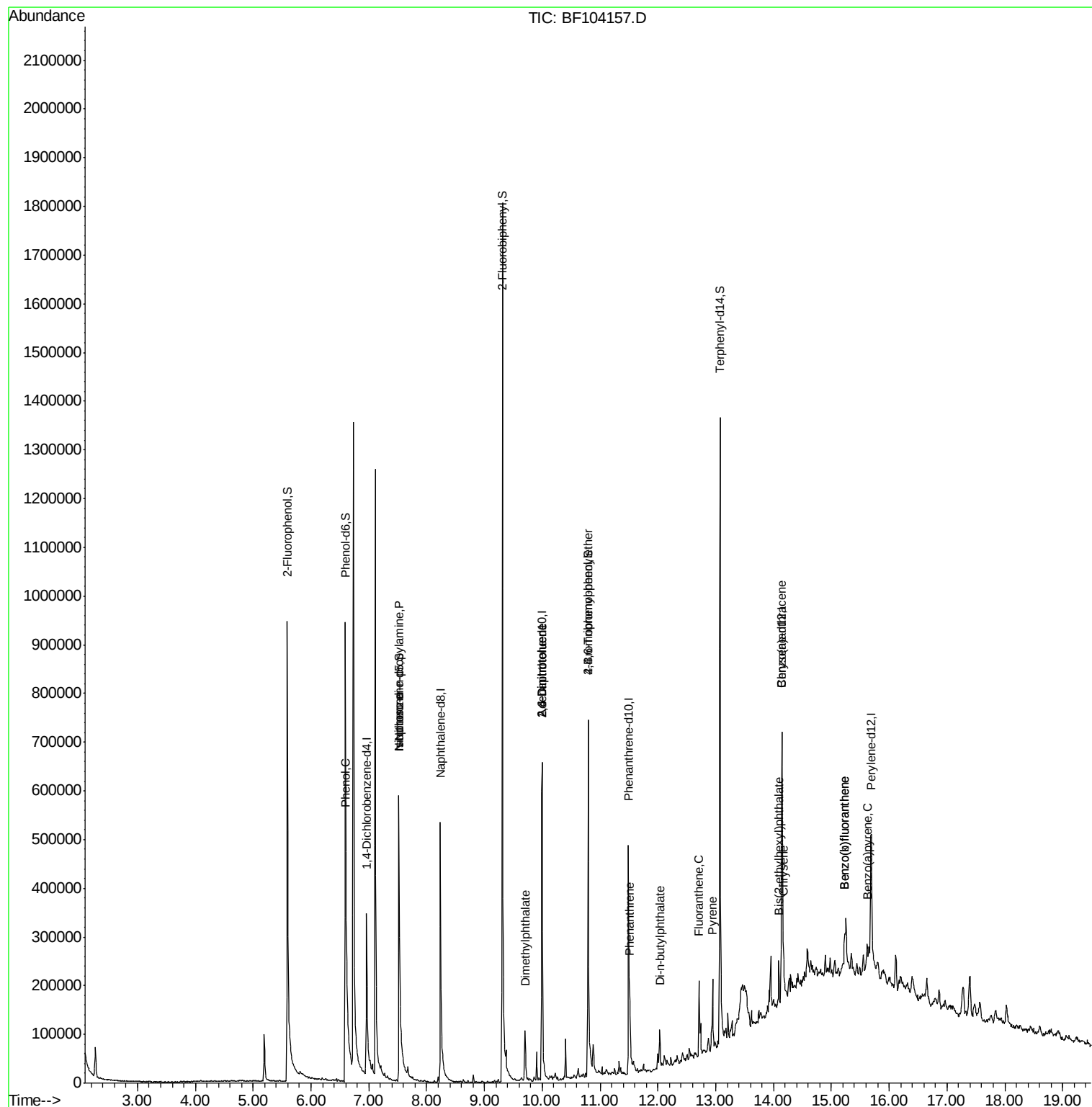
						Qvalue
9) Benzaldehyde	6.59	77	1179	Below Cal	#	1
10) Phenol	6.61	94	18008	2.190 ng	#	11
19) n-Nitroso-di-n-propylamine	7.52	70	43273	9.824 ng	#	72
25) Isophorone	7.52	82	372374	32.061 ng	#	64
49) Dimethylphthalate	9.70	163	58483	4.495 ng		97
50) 2,6-Dinitrotoluene	9.99	165	20460	7.309 ng	#	24
56) 2,4-Dinitrotoluene	9.99	165	20460	5.728 ng	#	21
66) 4-Bromophenyl-phenylether	10.79	248	7725	2.911 ng	#	1
70) Phenanthrene	11.52	178	41981	3.126 ng		97
73) Di-n-butylphthalate	12.03	149	34625	2.171 ng		99
74) Fluoranthene	12.71	202	80882	5.666 ng		98
77) Pyrene	12.94	202	73127	4.443 ng		98
80) Benzo(a)anthracene	14.14	228	44539	3.109 ng		94
82) Chrysene	14.17	228	34999	2.494 ng		95
83) Bis(2-ethylhexyl)phthalate	14.09	149	25426	2.538 ng		100
87) Benzo(b)fluoranthene	15.23	252	62422	5.300 ng	#	88
88) Benzo(k)fluoranthene	15.23	252	62422	5.626 ng	#	91
89) Benzo(a)pyrene	15.62	252	31574	2.893 ng	#	84

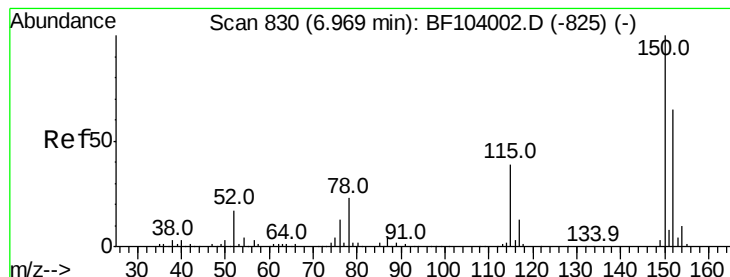
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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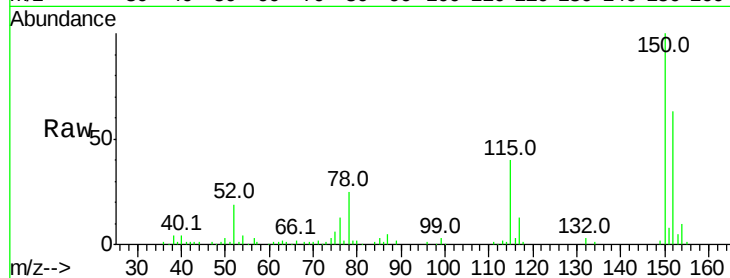


#1

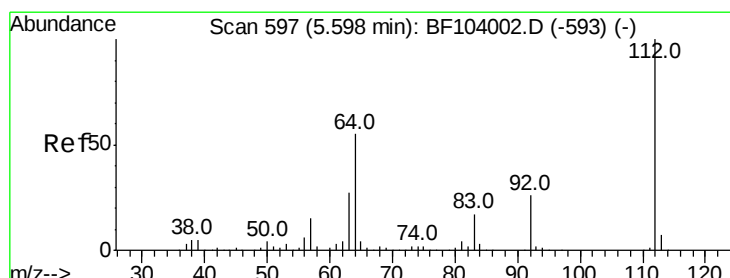
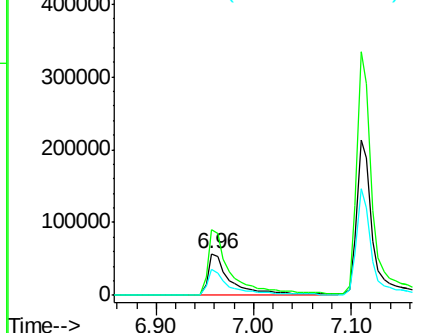
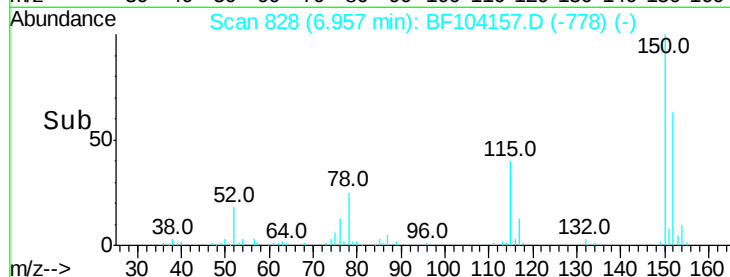
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF104157.D
Acq: 3 Apr 2018 3:31

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 96213
Ion Ratio Lower Upper
152 100
150 158.6 124.6 186.8
115 63.3 50.1 75.1



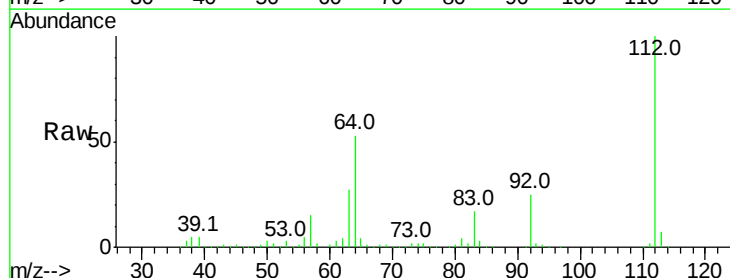
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



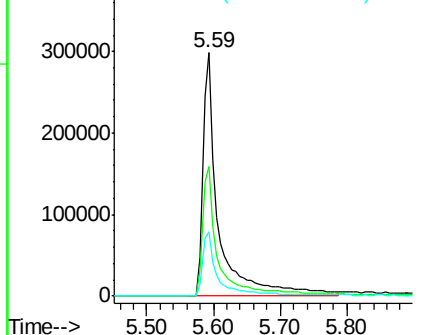
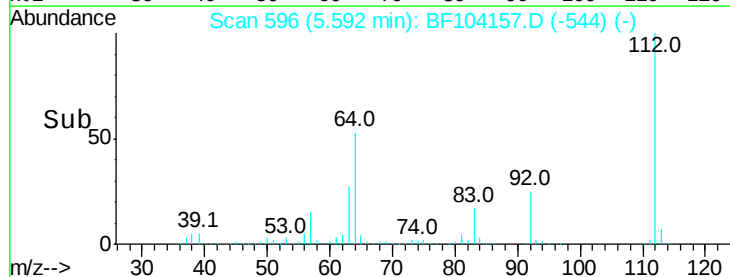
#5

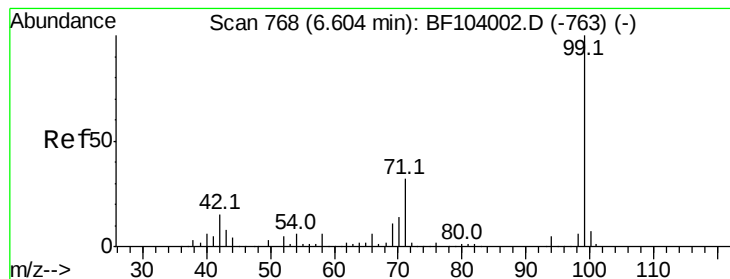
2-Fluorophenol
Concen: 79.601 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.01 min
Lab File: BF104157.D
Acq: 3 Apr 2018 3:31

Tgt Ion:112 Resp: 480240
Ion Ratio Lower Upper
112 100
64 53.1 47.9 71.9
63 26.6 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: 87.233 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF104157.D

Acq: 3 Apr 2018 3:31

Instrument :

BNA_F

ClientSampled :

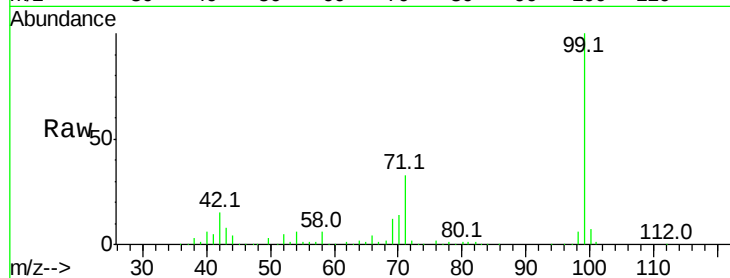
Tot Ion: 99 Resp: 647494

Ion Ratio Lower Upper

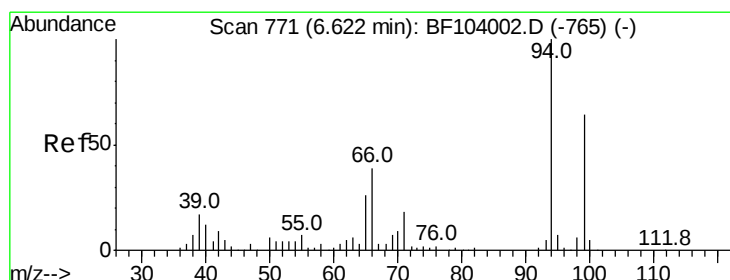
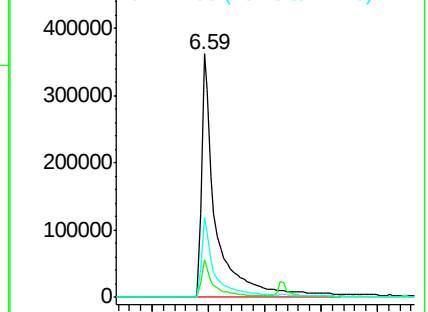
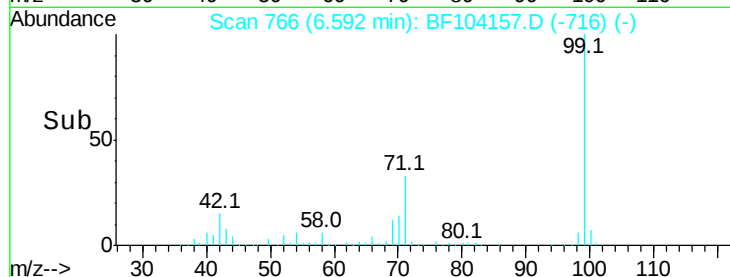
99 100

42 15.5 14.5 21.7

71 32.5 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



#10

Phenol

Concen: 2.190 ng

RT: 6.61 min Scan# 769

Delta R.T. -0.00 min

Lab File: BF104157.D

Acq: 3 Apr 2018 3:31

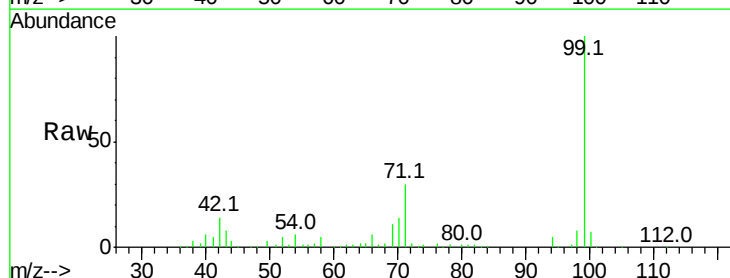
Tgt Ion: 94 Resp: 18008

Ion Ratio Lower Upper

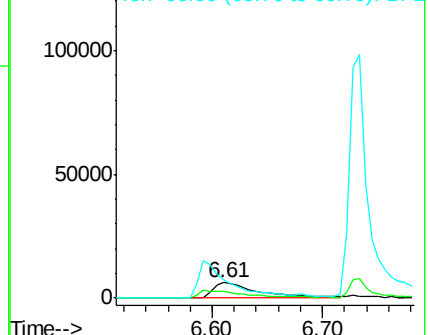
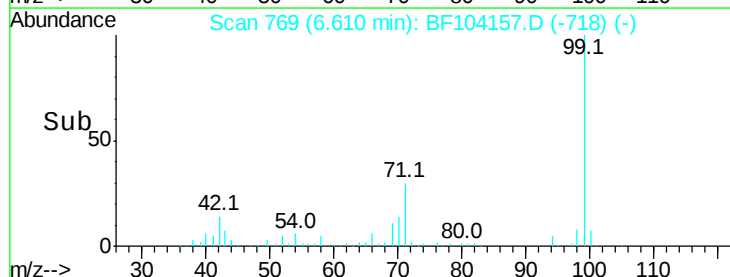
94 100

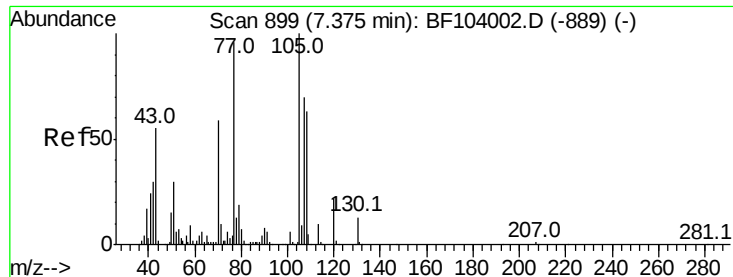
65 44.8 7.9 47.9

66 114.2 16.2 56.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

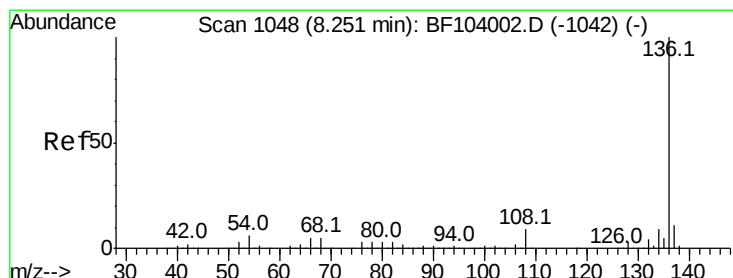
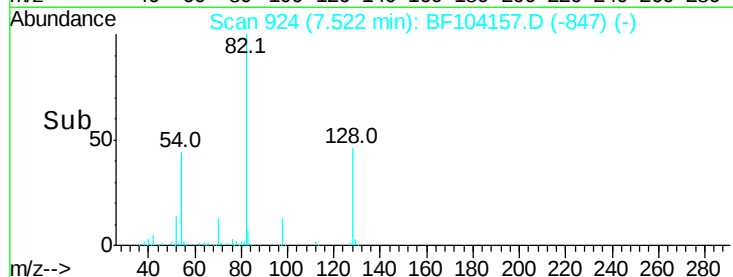
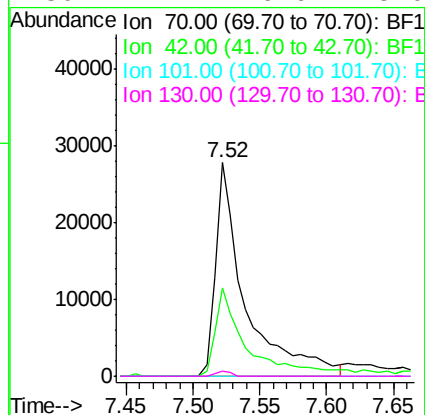
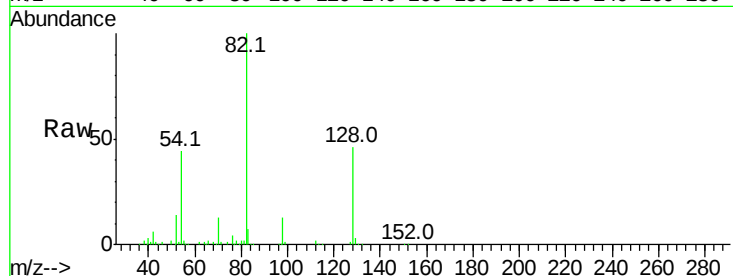




#19
n-Nitroso-di-n-propylamine
Concen: 9.824 ng
RT: 7.52 min Scan# 924
Delta R.T. 0.15 min
Lab File: BF104157.D
Acq: 3 Apr 2018 3:31

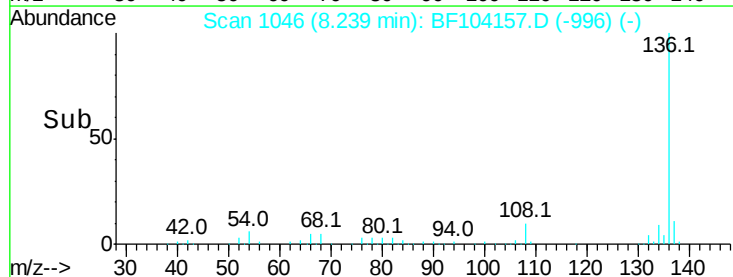
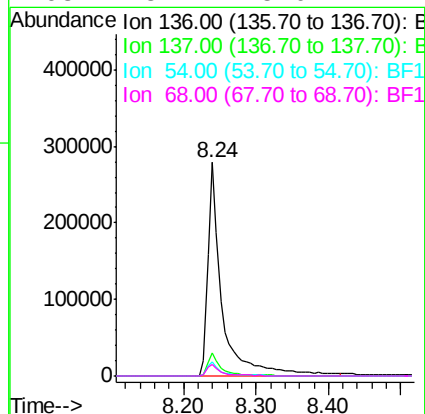
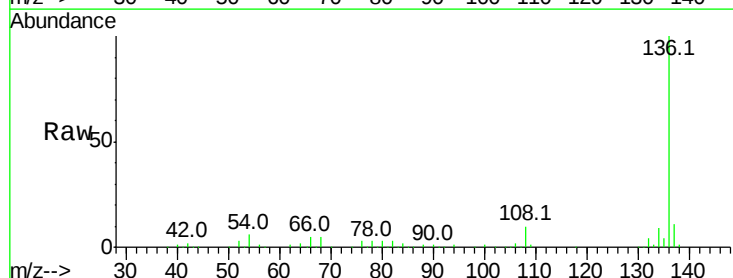
Instrument :
BNA_F
ClientSampleId :

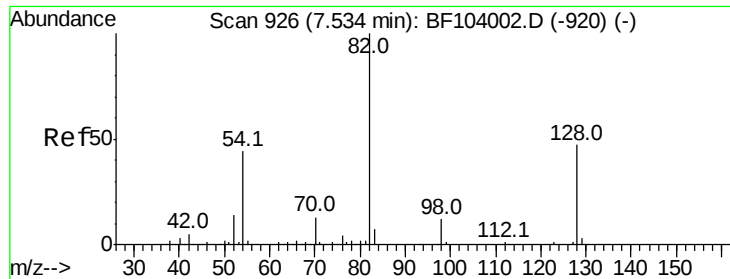
Tot Ion: 70 Resp: 43273
Ion Ratio Lower Upper
70 100
42 41.5 47.5 71.3#
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BF104157.D
Acq: 3 Apr 2018 3:31

Tgt Ion: 136 Resp: 385425
Ion Ratio Lower Upper
136 100
137 10.5 8.9 13.3
54 6.4 6.6 9.8#
68 5.4 5.0 7.4

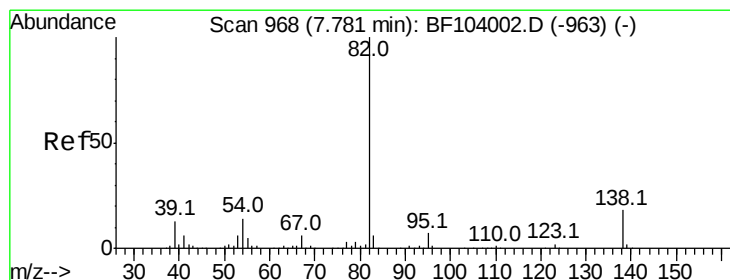
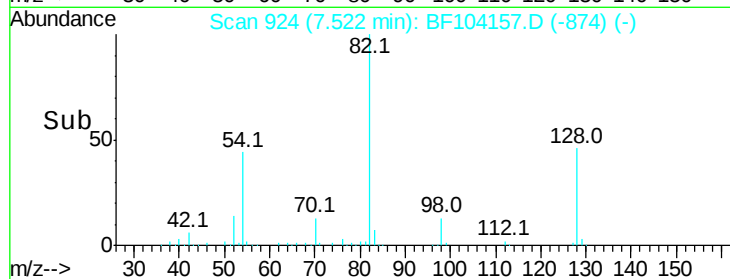
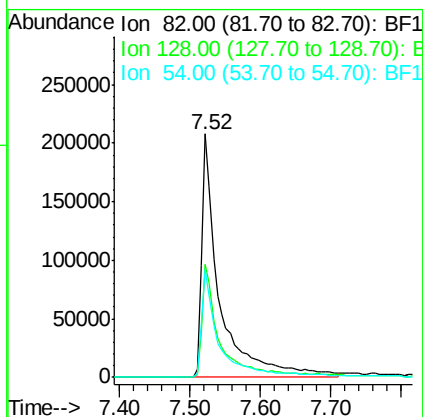
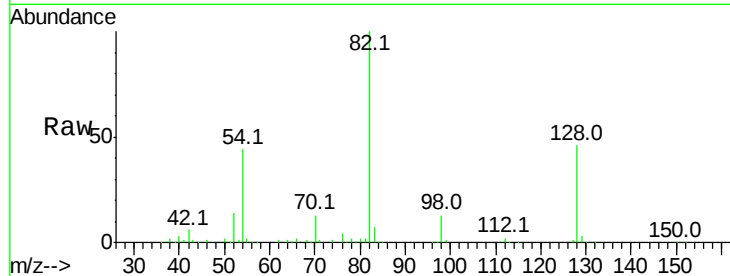




#23
 Nitrobenzene-d5
 Concen: 59.085 ng
 RT: 7.52 min Scan# 924
 Delta R.T. -0.01 min
 Lab File: BF104157.D
 Acq: 3 Apr 2018 3:31

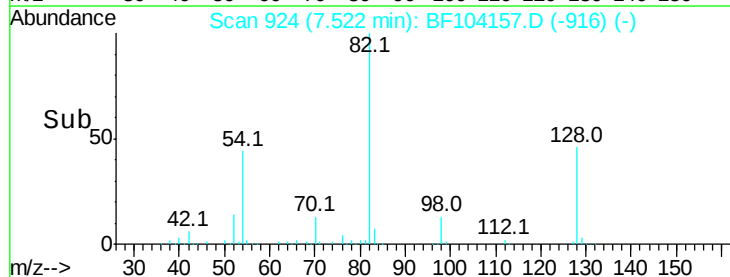
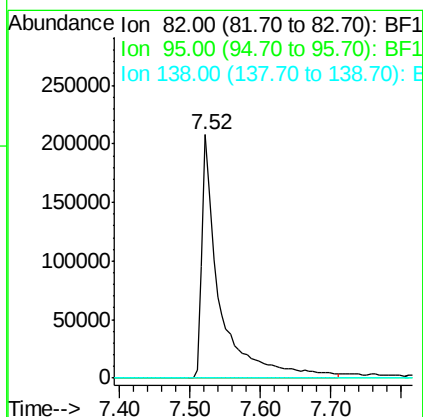
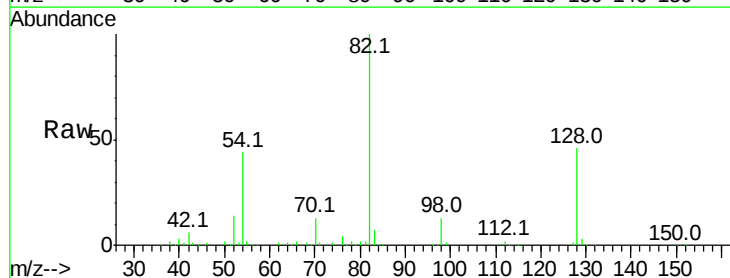
Instrument :
 BNA_F
 ClientSampled :

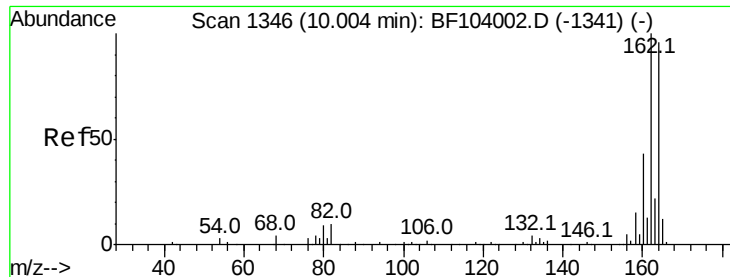
Tot Ion: 82 Resp: 372374
 Ion Ratio Lower Upper
 82 100
 128 46.3 36.1 54.1
 54 44.4 41.4 62.2



#25
 Isophorone
 Concen: 32.061 ng
 RT: 7.52 min Scan# 924
 Delta R.T. -0.25 min
 Lab File: BF104157.D
 Acq: 3 Apr 2018 3:31

Tgt Ion: 82 Resp: 372374
 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: BF104157.D

Acq: 3 Apr 2018 3:31

Instrument :

BNA_F

ClientSampleId :

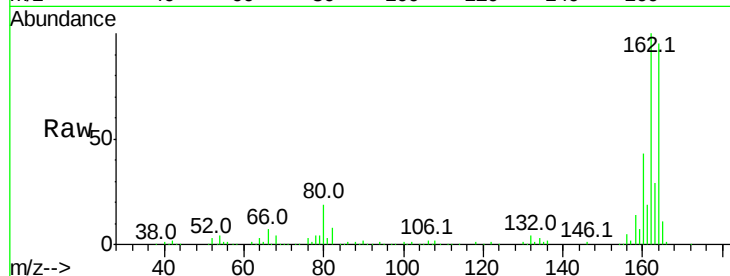
Tot Ion:164 Resp: 164796

Ion Ratio Lower Upper

164 100

162 105.0 86.1 129.1

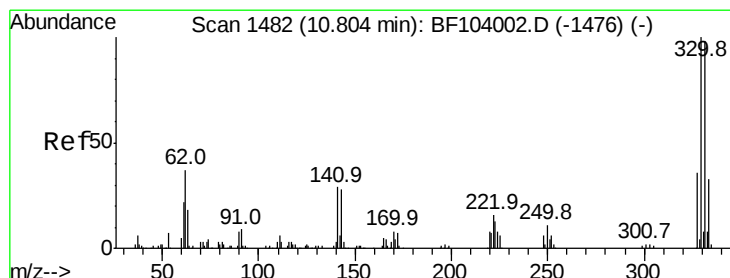
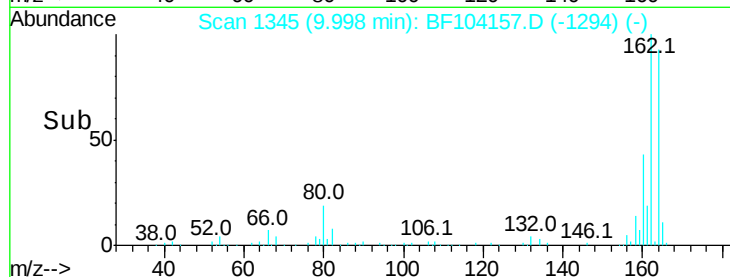
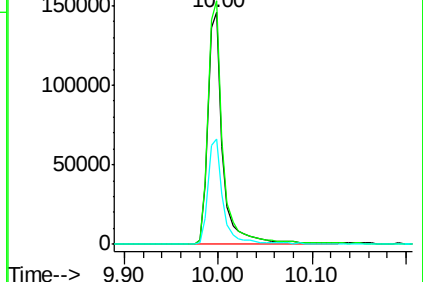
160 45.2 38.3 57.5



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: 72.025 ng

RT: 10.79 min Scan# 1480

Delta R.T. -0.01 min

Lab File: BF104157.D

Acq: 3 Apr 2018 3:31

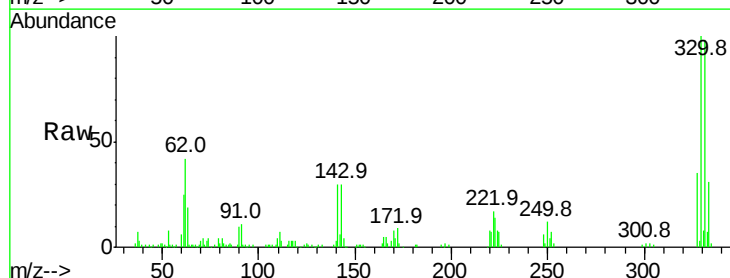
Tgt Ion:330 Resp: 132167

Ion Ratio Lower Upper

330 100

332 94.9 77.0 115.6

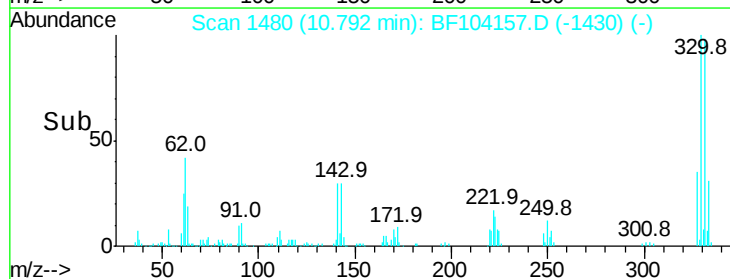
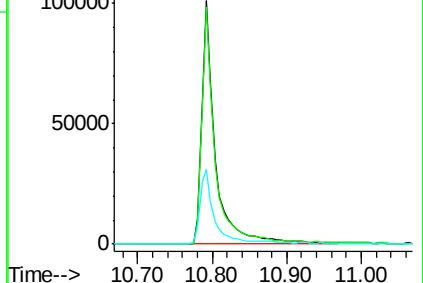
141 32.4 29.9 44.9

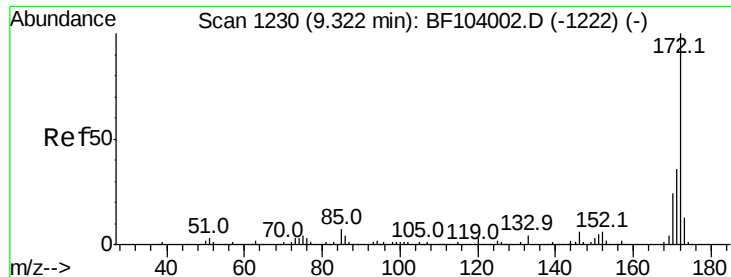


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

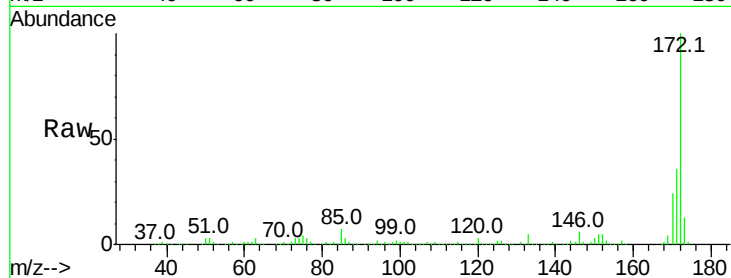




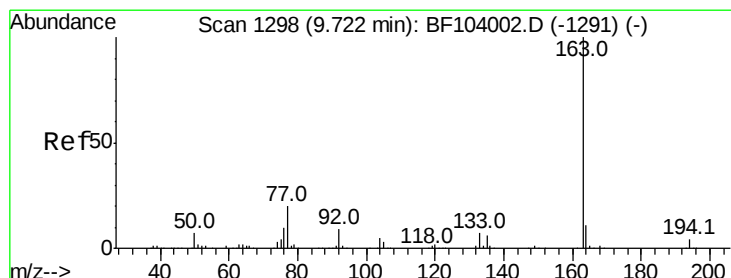
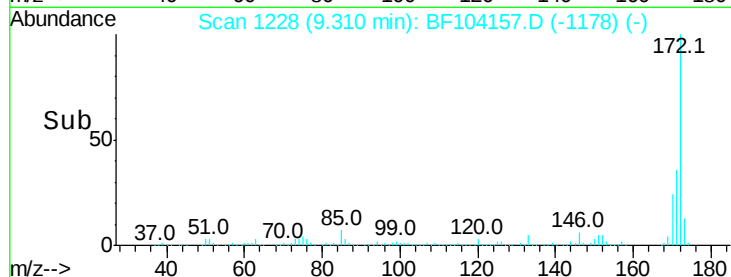
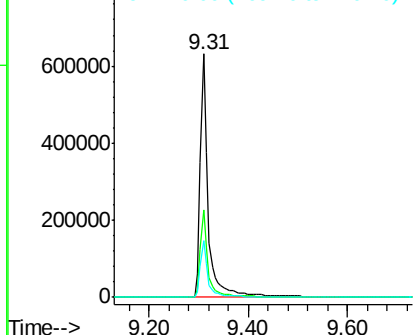
#44
 2-Fluorobiphenyl
 Concen: 67.910 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF104157.D
 Acq: 3 Apr 2018 3:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 709700
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.7 44.5
 170 23.6 19.6 29.4

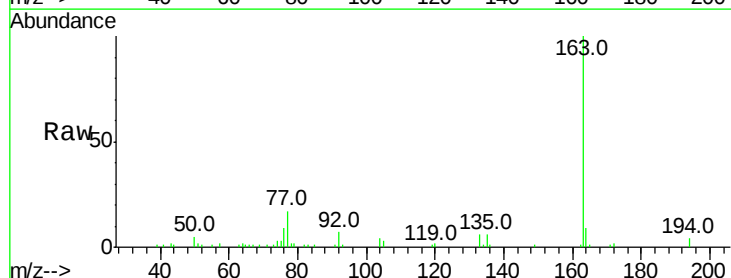


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

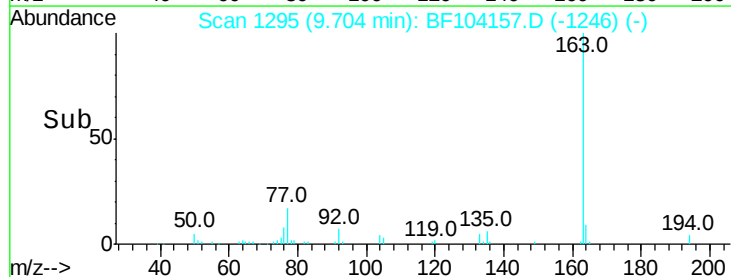
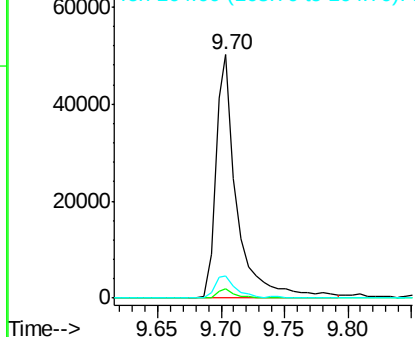


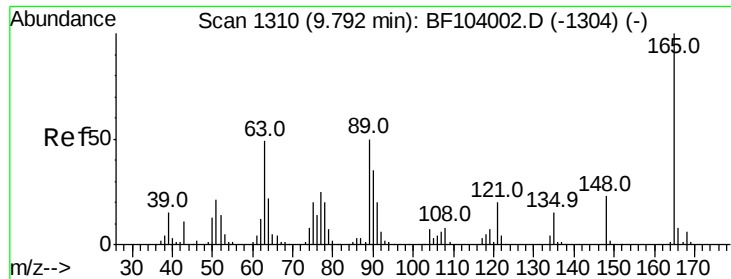
#49
 Dimethylphthalate
 Concen: 4.495 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. -0.01 min
 Lab File: BF104157.D
 Acq: 3 Apr 2018 3:31

Tgt Ion:163 Resp: 58483
 Ion Ratio Lower Upper
 163 100
 194 3.8 2.7 4.1
 164 9.1 8.2 12.2



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

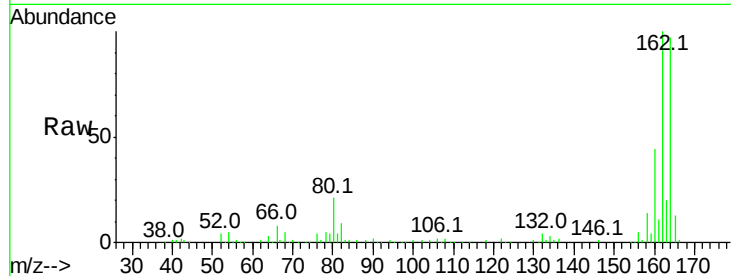




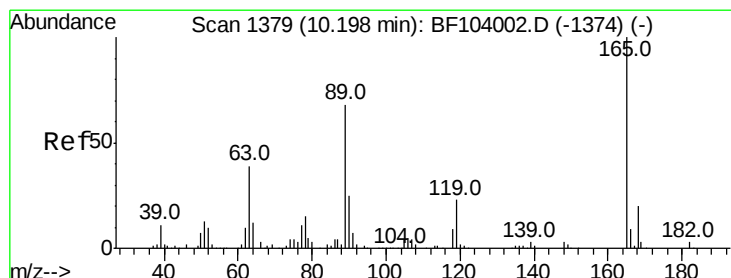
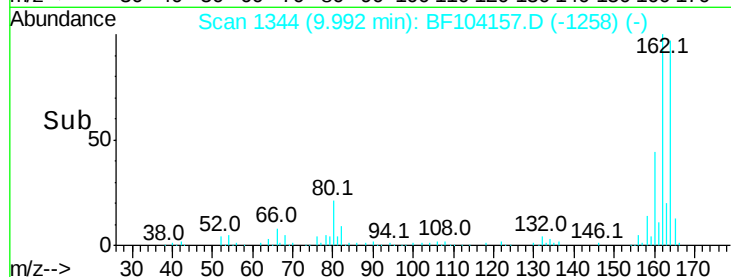
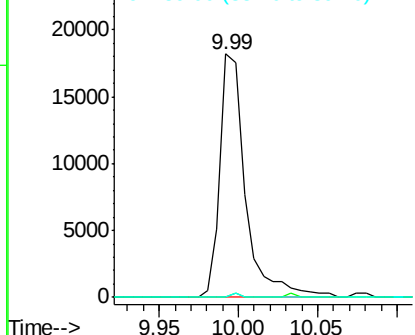
#50
 2,6-Dinitrotoluene
 Concen: 7.309 ng
 RT: 9.99 min Scan# 1344
 Delta R.T. 0.21 min
 Lab File: BF104157.D
 Acq: 3 Apr 2018 3:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#

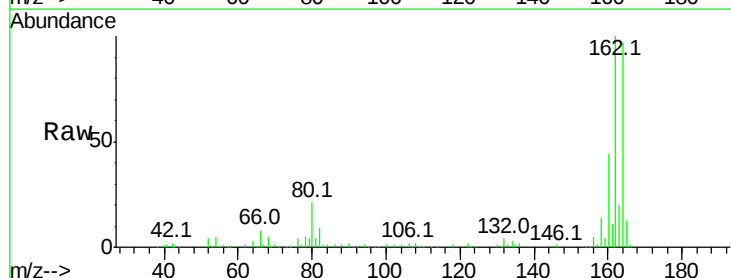


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

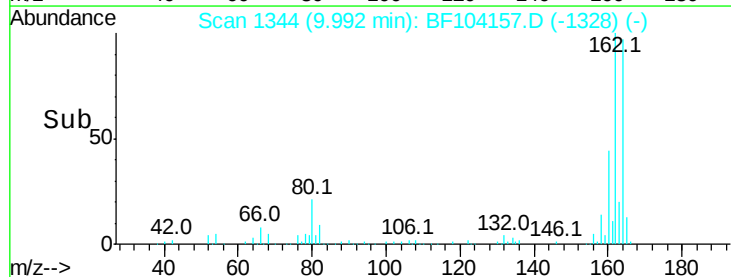
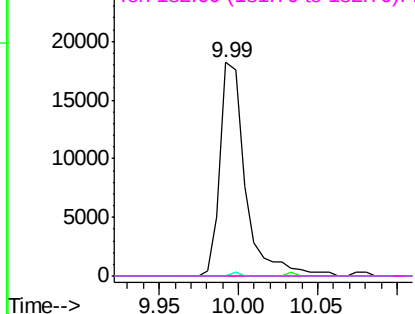


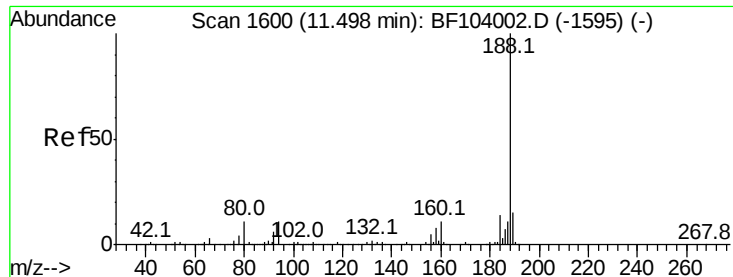
#56
 2,4-Dinitrotoluene
 Concen: 5.728 ng
 RT: 9.99 min Scan# 1344
 Delta R.T. -0.21 min
 Lab File: BF104157.D
 Acq: 3 Apr 2018 3:31

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	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

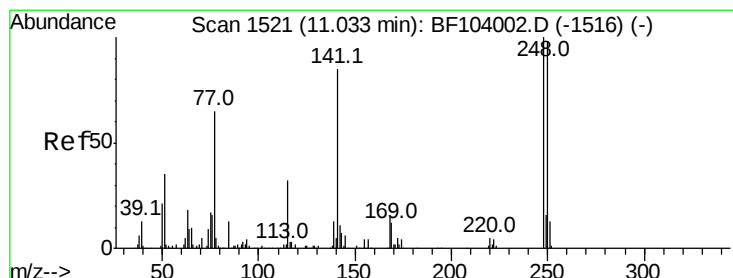
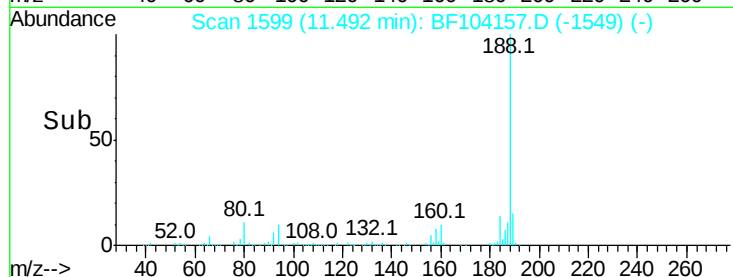
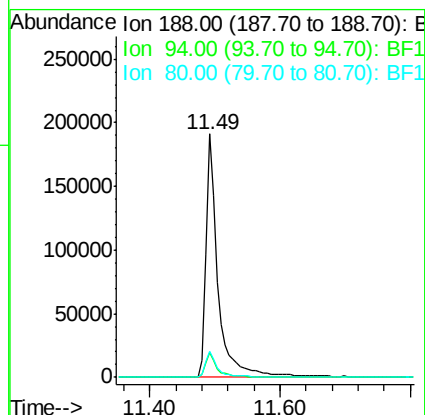
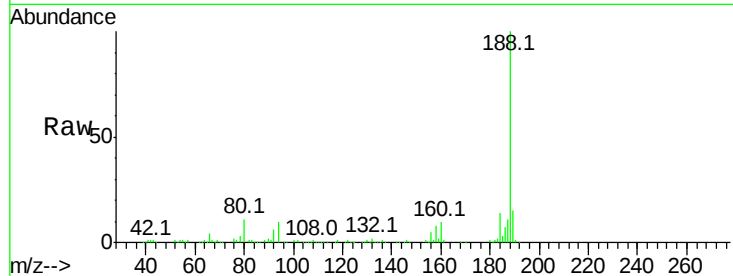




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: BF104157.D
Acq: 3 Apr 2018 3:31

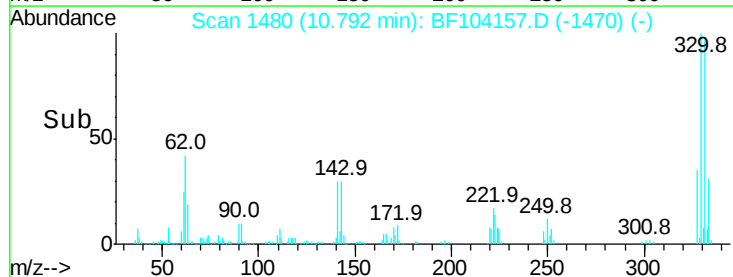
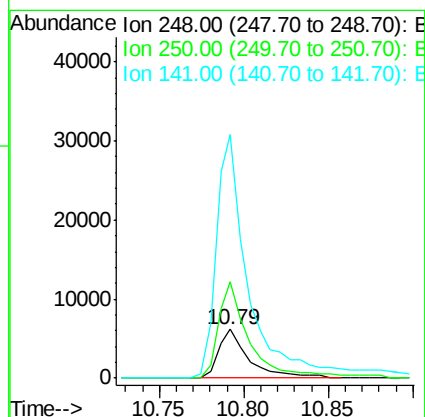
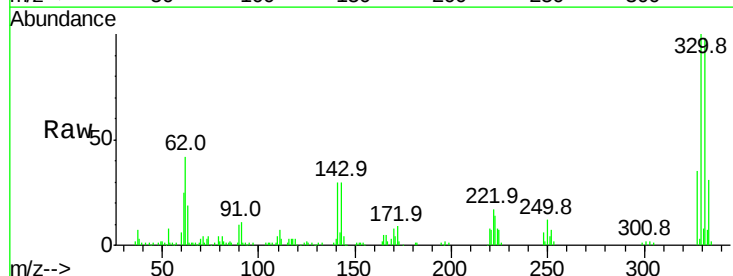
Instrument :
BNA_F
ClientSampleId :

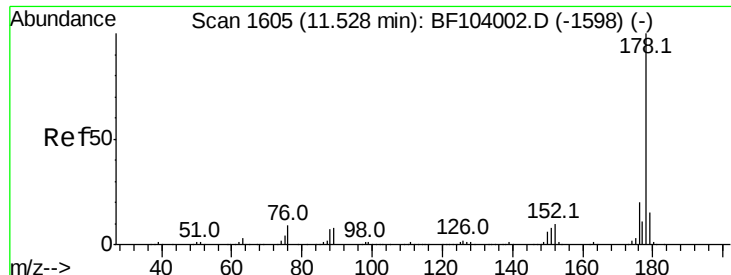
Tot Ion:188 Resp: 248041
Ion Ratio Lower Upper
188 100
94 10.2 8.5 12.7
80 10.8 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 2.911 ng
RT: 10.79 min Scan# 1480
Delta R.T. -0.24 min
Lab File: BF104157.D
Acq: 3 Apr 2018 3:31

Tgt Ion:248 Resp: 7725
Ion Ratio Lower Upper
248 100
250 197.5 76.9 115.3#
141 499.8 74.4 111.6#





#70

Phenanthrene

Concen: 3.126 ng

RT: 11.52 min Scan# 1603

Delta R.T. -0.01 min

Lab File: BF104157.D

Acq: 3 Apr 2018 3:31

Instrument :

BNA_F

ClientSampleId :

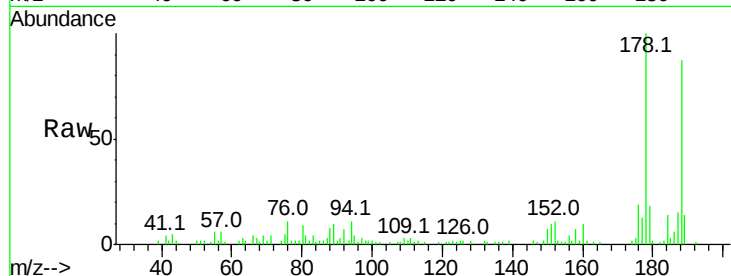
Tot Ion:178 Resp: 41981

Ion Ratio Lower Upper

178 100

176 19.0 15.8 23.8

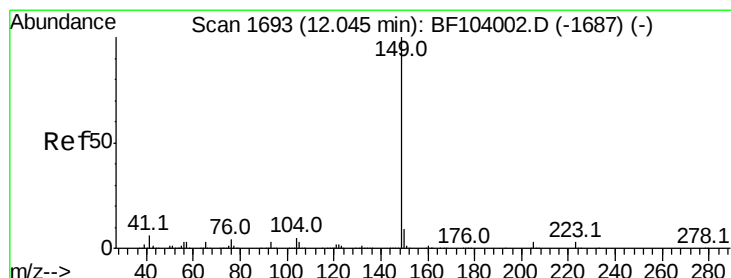
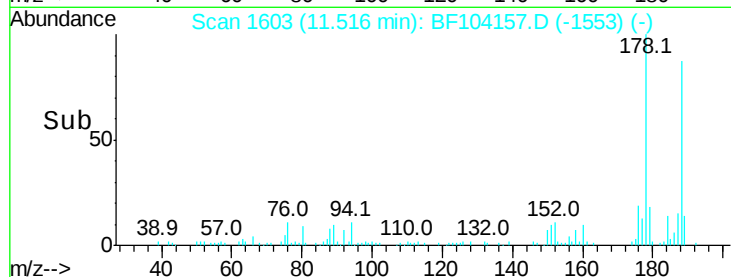
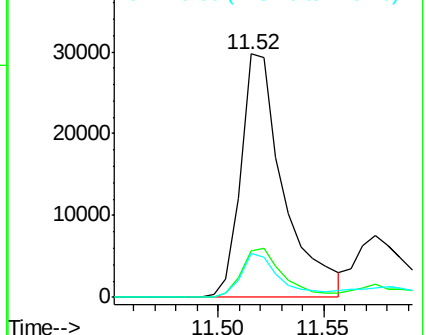
179 18.2 13.0 19.6



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



#73

Di-n-butylphthalate

Concen: 2.171 ng

RT: 12.03 min Scan# 1691

Delta R.T. -0.01 min

Lab File: BF104157.D

Acq: 3 Apr 2018 3:31

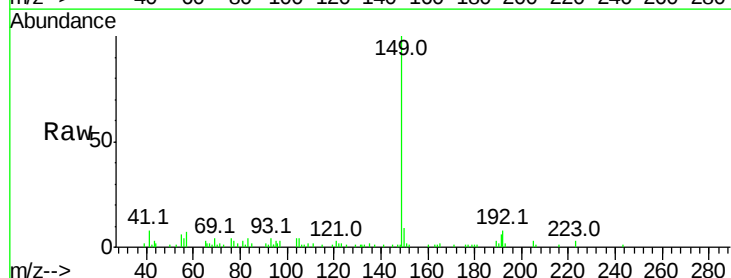
Tgt Ion:149 Resp: 34625

Ion Ratio Lower Upper

149 100

150 9.3 7.8 11.6

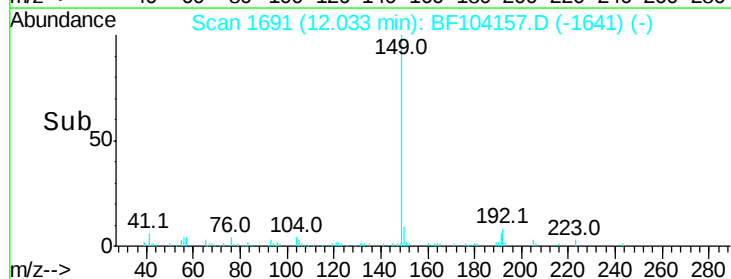
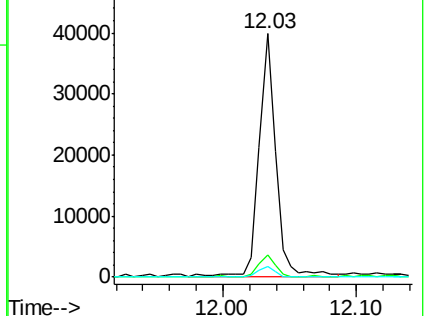
104 4.2 3.8 5.8

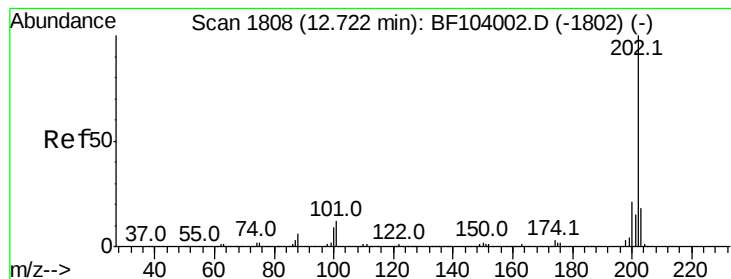


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 5.666 ng

RT: 12.71 min Scan# 1806

Delta R.T. -0.01 min

Lab File: BF104157.D

Acq: 3 Apr 2018 3:31

Instrument :

BNA_F

ClientSampleId :

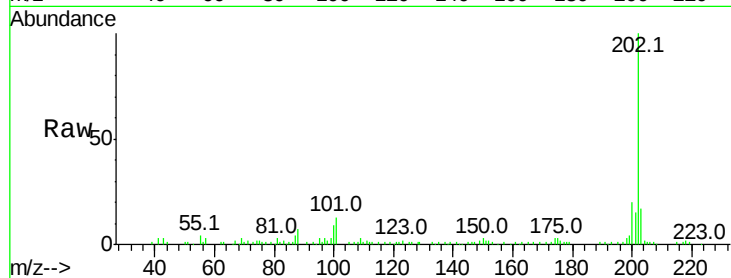
Tot Ion:202 Resp: 80882

Ion Ratio Lower Upper

202 100

101 13.3 0.0 34.1

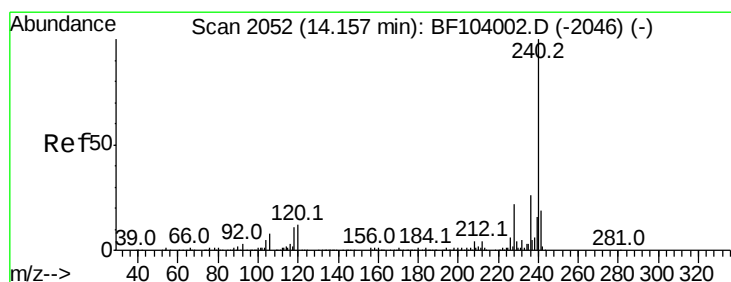
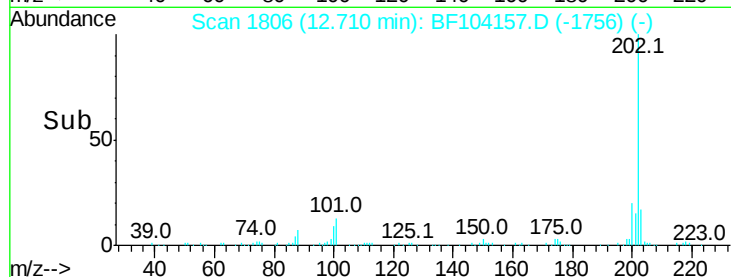
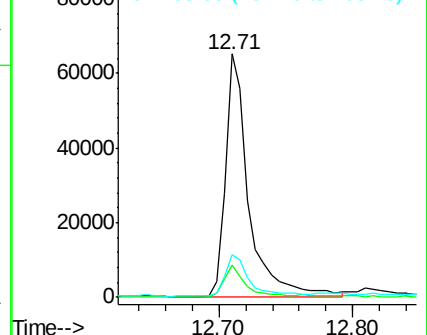
203 17.3 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BF104157.D

Acq: 3 Apr 2018 3:31

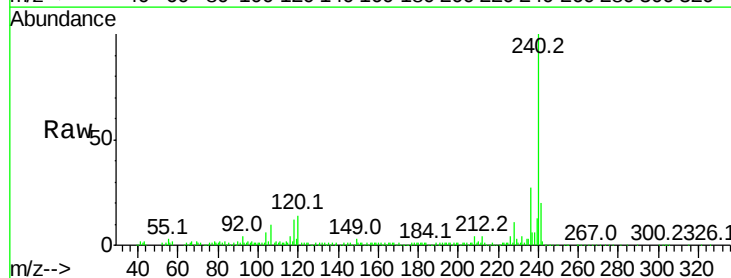
Tgt Ion:240 Resp: 228984

Ion Ratio Lower Upper

240 100

120 13.6 9.5 14.3

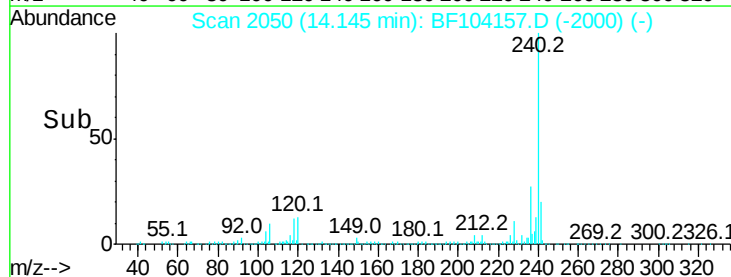
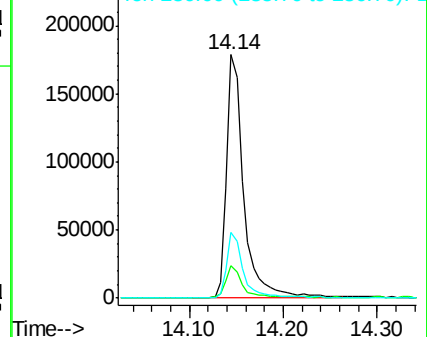
236 26.8 20.7 31.1

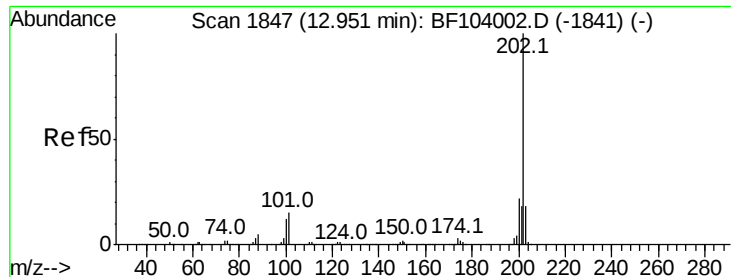


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

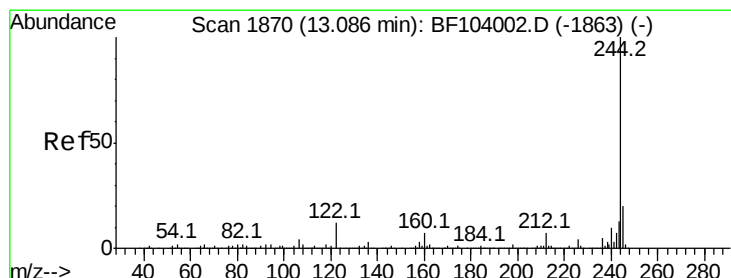
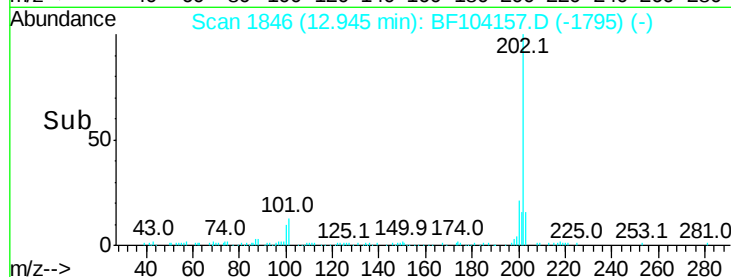
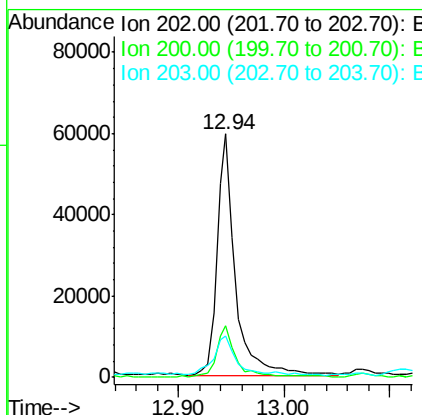
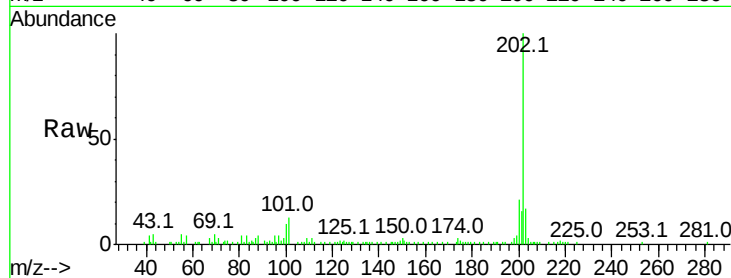




#77
Pvrene
Concen: 4.443 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.00 min
Lab File: BF104157.D
Acq: 3 Apr 2018 3:31

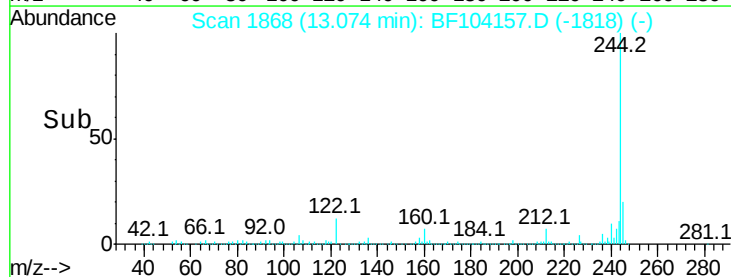
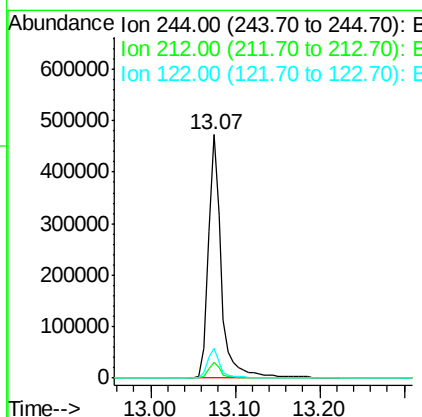
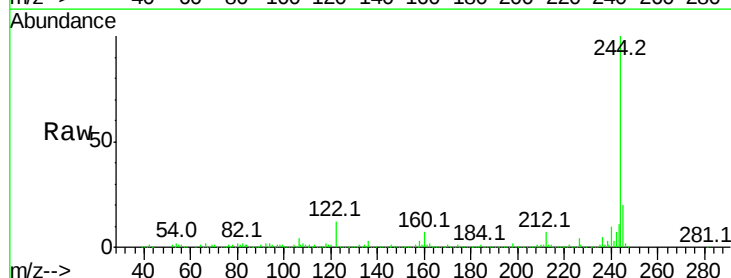
Instrument :
BNA_F
ClientSampleId :

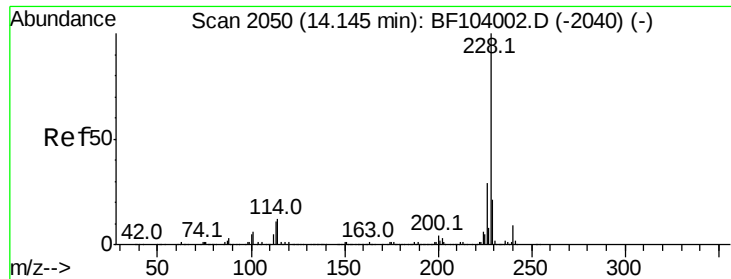
Tot Ion:202 Resp: 73127
Ion Ratio Lower Upper
202 100
200 21.0 17.4 26.2
203 17.2 14.3 21.5



#78
Terphenyl-d14
Concen: 51.277 ng
RT: 13.07 min Scan# 1868
Delta R.T. -0.01 min
Lab File: BF104157.D
Acq: 3 Apr 2018 3:31

Tgt Ion:244 Resp: 508529
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.0
122 12.4 11.0 16.4

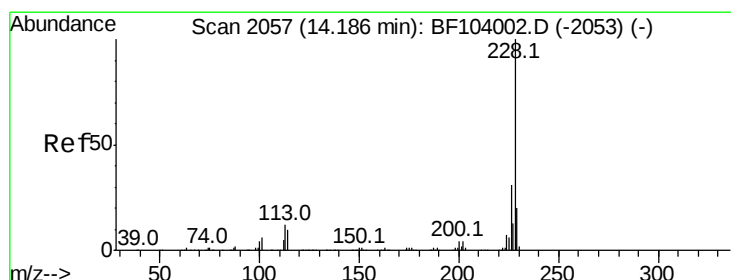
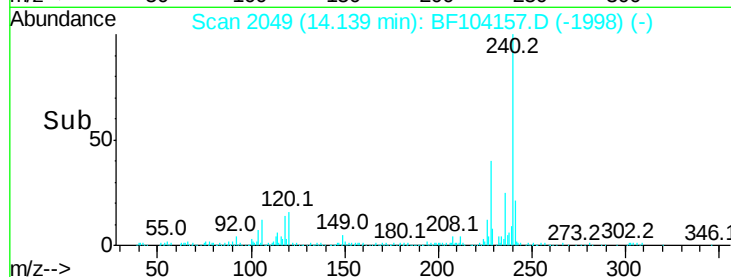
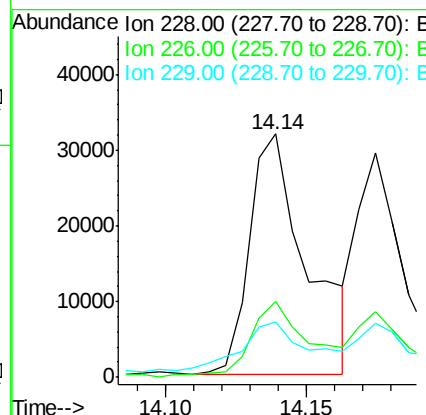
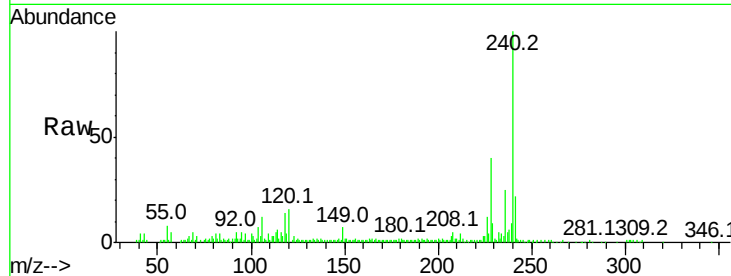




#80
Benzo(a)anthracene
Concen: 3.109 ng
RT: 14.14 min Scan# 2049
Delta R.T. -0.00 min
Lab File: BF104157.D
Acq: 3 Apr 2018 3:31

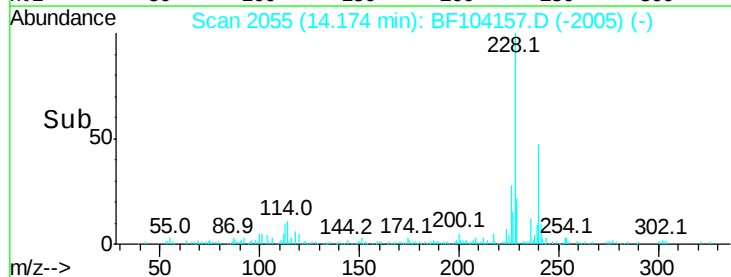
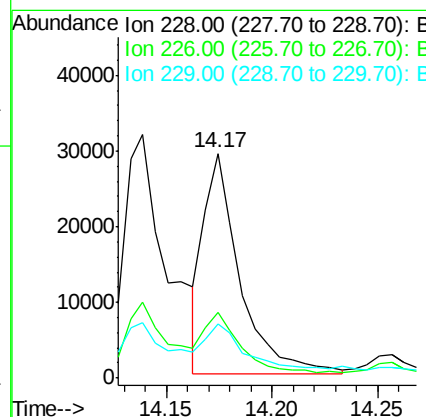
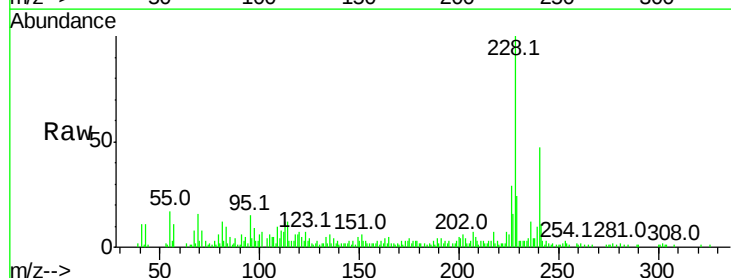
Instrument :
BNA_F
ClientSampleId :

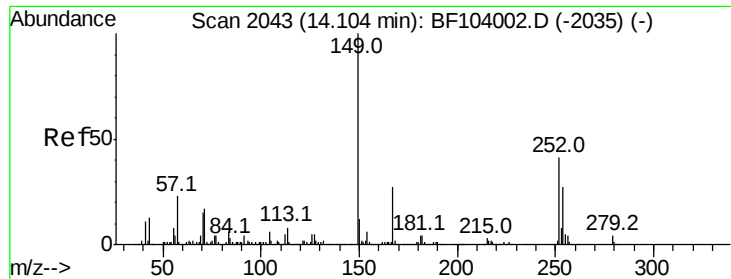
Tot Ion:228 Resp: 44539
Ion Ratio Lower Upper
228 100
226 31.2 22.6 33.8
229 22.8 15.8 23.6



#82
Chrysene
Concen: 2.494 ng
RT: 14.17 min Scan# 2055
Delta R.T. -0.01 min
Lab File: BF104157.D
Acq: 3 Apr 2018 3:31

Tgt Ion:228 Resp: 34999
Ion Ratio Lower Upper
228 100
226 29.3 25.0 37.6
229 24.0 16.2 24.4

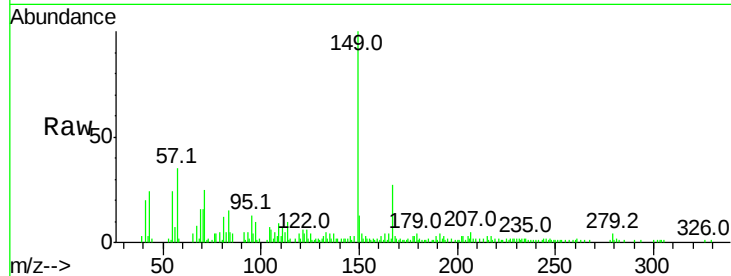




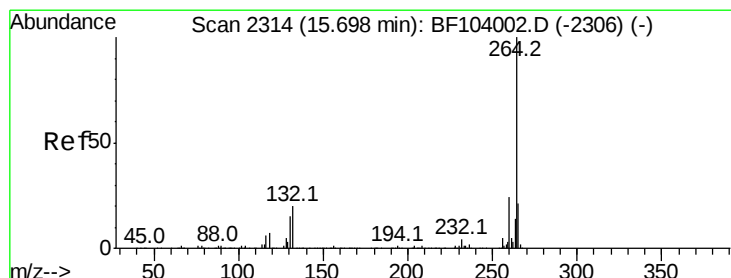
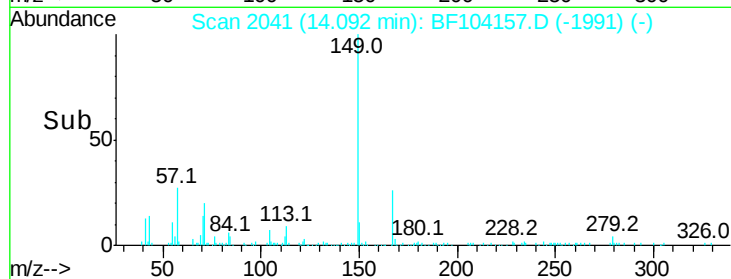
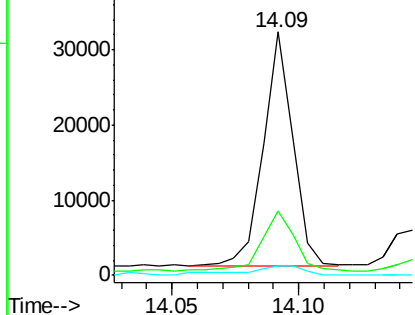
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.538 ng
 RT: 14.09 min Scan# 2041
 Delta R.T. -0.01 min
 Lab File: BF104157.D
 Acq: 3 Apr 2018 3:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.6	21.3	31.9
279	3.7	3.0	4.4

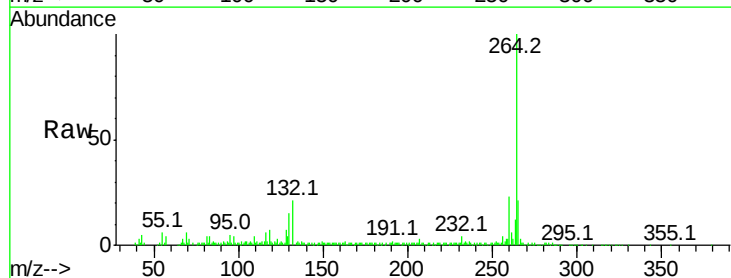


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

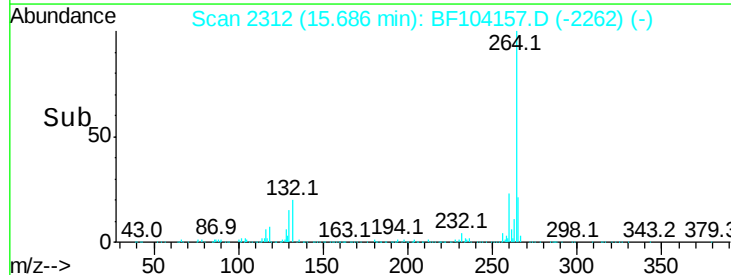
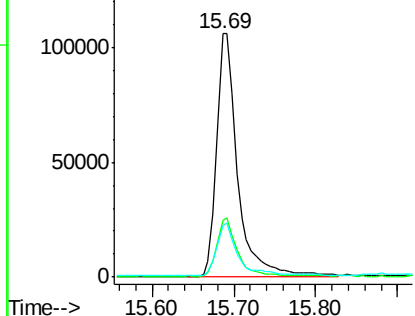


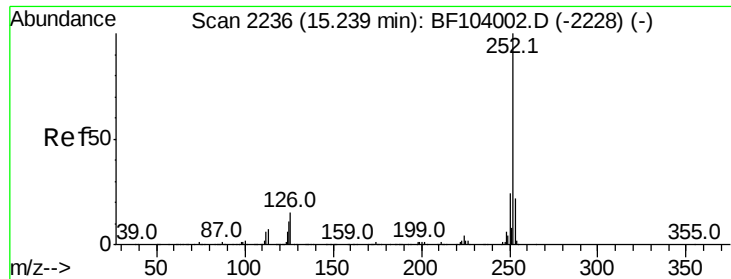
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2312
 Delta R.T. -0.01 min
 Lab File: BF104157.D
 Acq: 3 Apr 2018 3:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.3	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: 5.300 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.00 min

Lab File: BF104157.D

Acq: 3 Apr 2018 3:31

Instrument :

BNA_F

ClientSampleId :

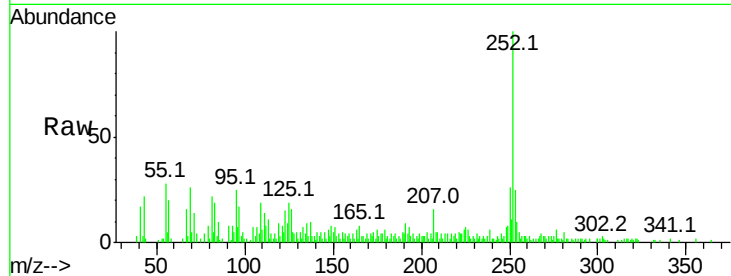
Tot Ion:252 Resp: 62422

Ion Ratio Lower Upper

252 100

253 25.0 17.0 25.6

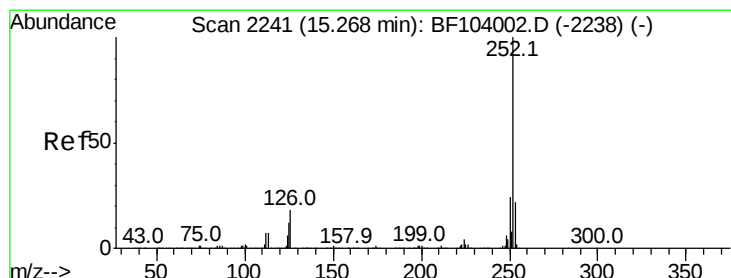
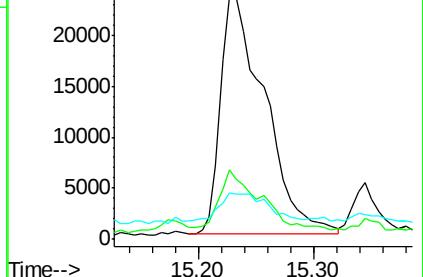
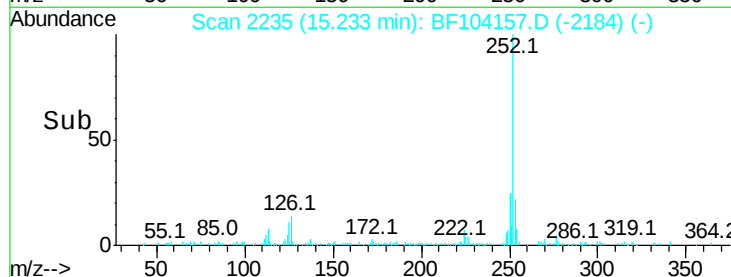
125 18.6 9.0 13.6#



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: 5.626 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.03 min

Lab File: BF104157.D

Acq: 3 Apr 2018 3:31

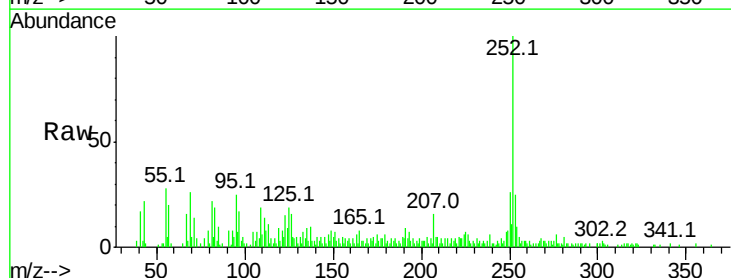
Tgt Ion:252 Resp: 62422

Ion Ratio Lower Upper

252 100

253 25.0 17.9 26.9

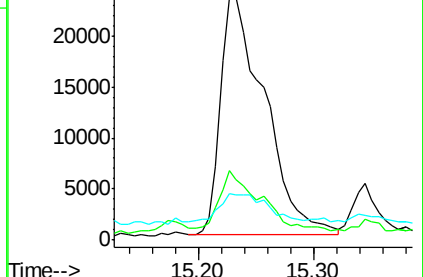
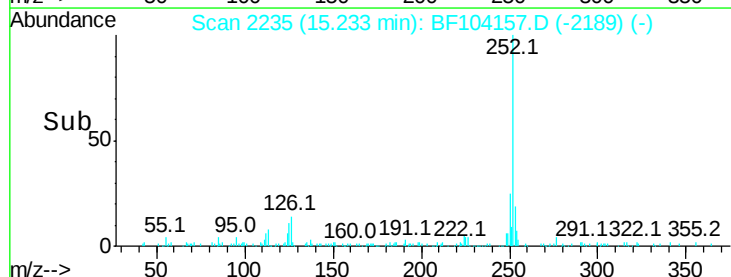
125 18.6 10.2 15.2#

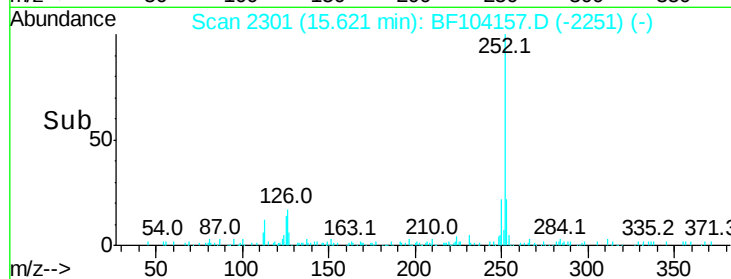
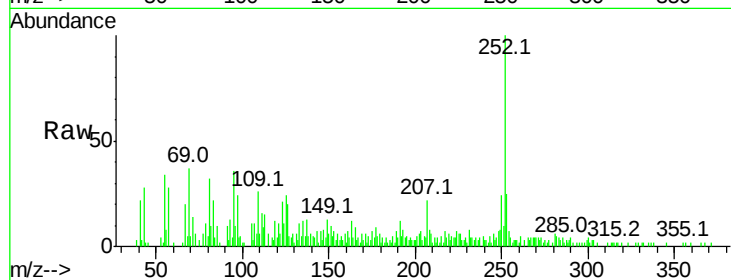
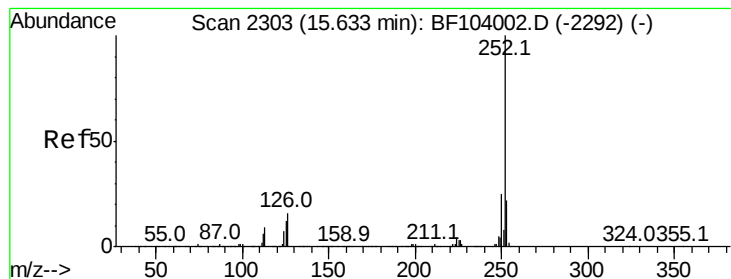


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.893 ng

RT: 15.62 min Scan# 2301

Delta R.T. -0.01 min

Lab File: BF104157.D

Acq: 3 Apr 2018 3:31

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 252 Resp: 31574

Ion Ratio Lower Upper

252 100

253 25.0 17.1 25.7

125 23.7 9.8 14.6#

