

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042418\
 Data File : BF104757.D
 Acq On : 24 Apr 2018 15:40
 Operator : JU/SJ
 Sample : J2461-04RE
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

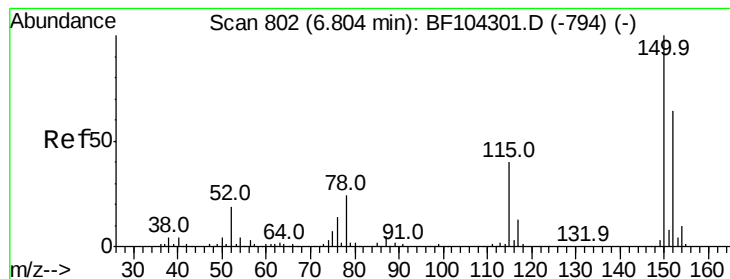
Quant Time: Apr 24 21:55:52 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 15:38:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	113774	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	435221	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	171644	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	276642	20.00	ng	0.00
75) Chrysene-d12	13.99	240	261726	20.00	ng	0.00
86) Perylene-d12	15.47	264	175560	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	651993	87.62	ng	0.01
7) Phenol-d6	6.45	99	745088	81.50	ng	0.00
23) Nitrobenzene-d5	7.37	82	459777	68.98	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	155881	87.55	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	813154	74.84	ng	0.00
78) Terphenyl-d14	12.93	244	773523	67.38	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.36	77	2436	Below Cal		# 85
19) n-Nitroso-di-n-propylamine	7.37	70	60668	10.155	ng	# 73
25) Isophorone	7.37	82	459777	32.621	ng	# 64
49) Dimethylphthalate	9.56	163	71764	5.302	ng	96
59) Diethylphthalate	10.26	149	48281	3.582	ng	99
64) 4,6-Dinitro-2-methylphenol	10.64	198	147	7.439	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	9743	3.311	ng	# 1
76) Benzydine	12.67	184	509	Below Cal		# 1
79) Butylbenzylphthalate	13.40	149	75405	8.250	ng	99
80) Benzo(a)anthracene	14.02	228	36918	2.361	ng	96
82) Chrysene	14.02	228	36918	2.299	ng	95
83) Bis(2-ethylhexyl)phthalate	13.96	149	262673	22.344	ng	100
87) Benzo(b)fluoranthene	15.03	252	36661	3.306	ng	# 73
88) Benzo(k)fluoranthene	15.06	252	37083	3.542	ng	# 76
89) Benzo(a)pyrene	15.40	252	22478	2.266	ng	# 48
91) Benzo(g,h,i)perylene	17.38	276	24640	3.121	ng	# 91

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

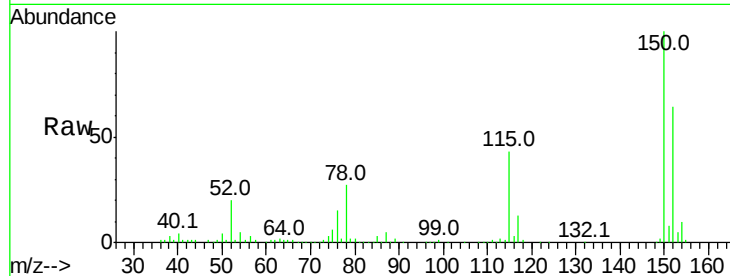


#1

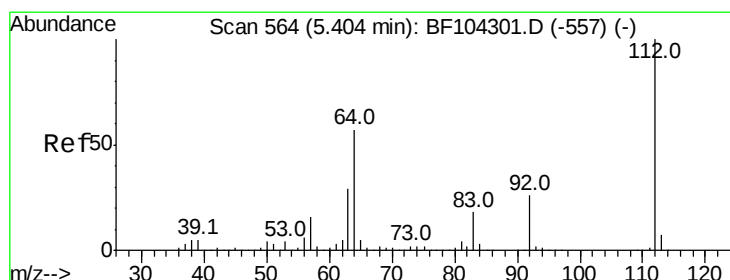
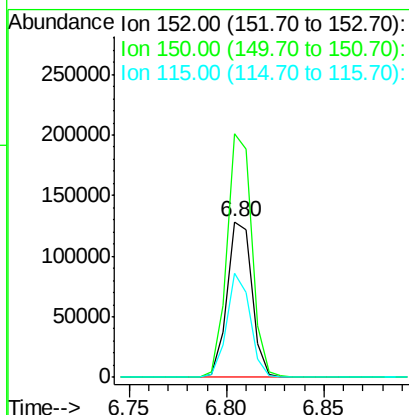
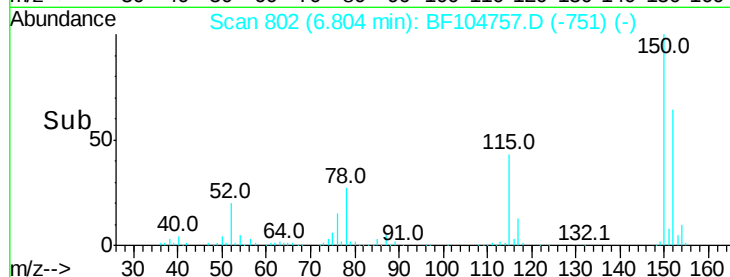
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104757.D
Acq: 24 Apr 2018 15:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 113774
Ion Ratio Lower Upper
152 100
150 156.5 124.6 186.8
115 67.3 50.1 75.1



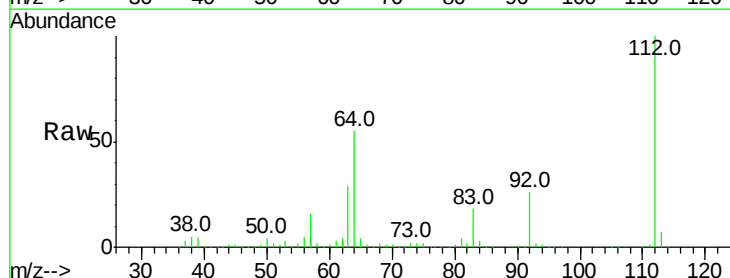
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



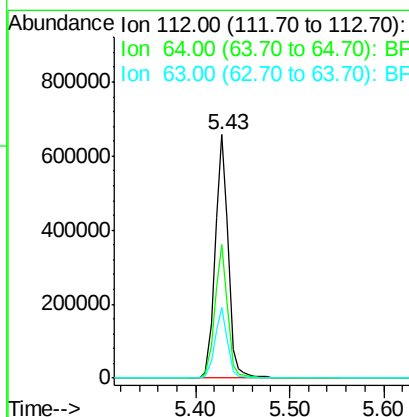
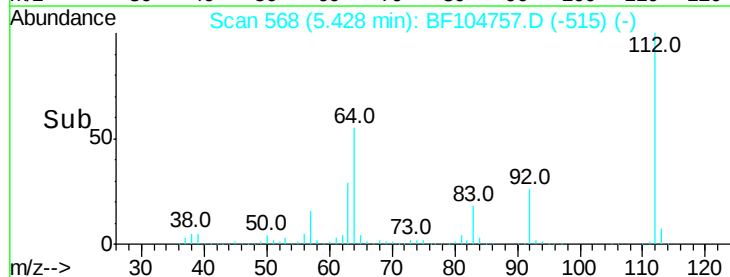
#5

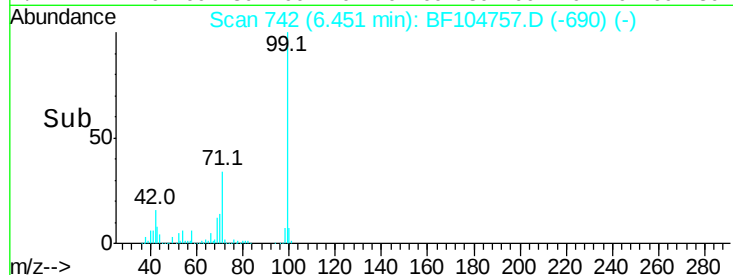
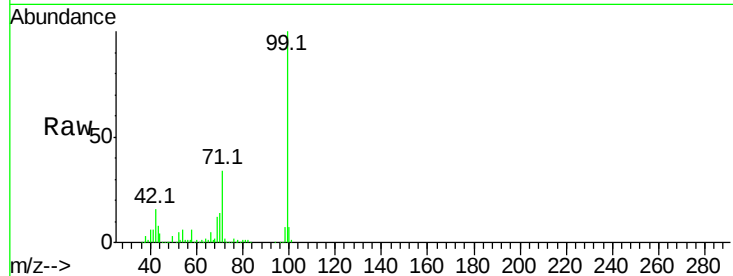
2-Fluorophenol
Concen: 87.624 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104757.D
Acq: 24 Apr 2018 15:40

Tgt Ion:112 Resp: 651993
Ion Ratio Lower Upper
112 100
64 54.9 47.9 71.9
63 29.0 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: 81.499 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF104757.D

Acq: 24 Apr 2018 15:40

Instrument :

BNA_F

ClientSampled :

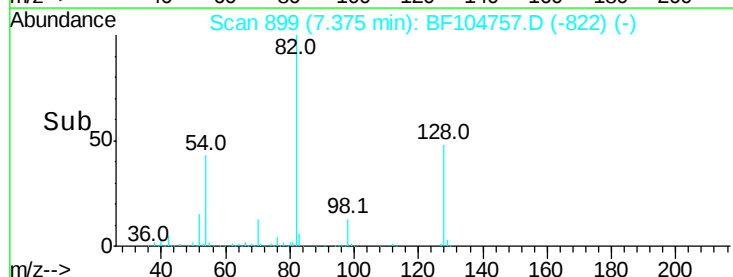
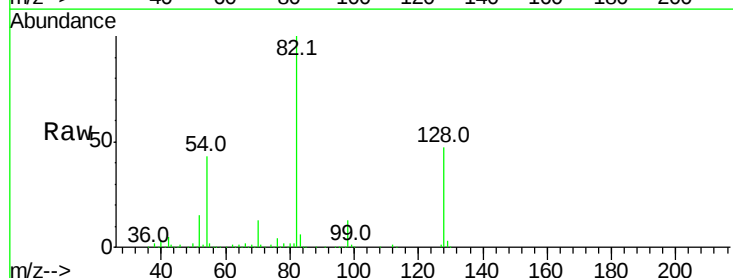
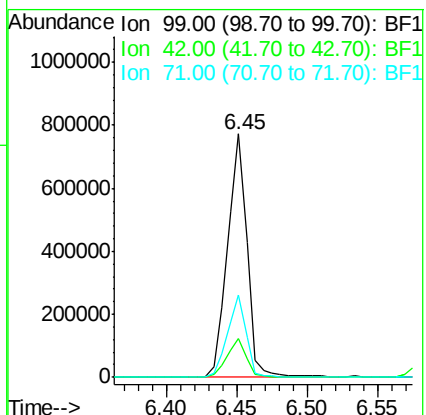
Tot Ion: 99 Resp: 745088

Ion Ratio Lower Upper

99 100

42 15.8 14.5 21.7

71 33.6 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 10.155 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104757.D

Acq: 24 Apr 2018 15:40

Tgt Ion: 70 Resp: 60668

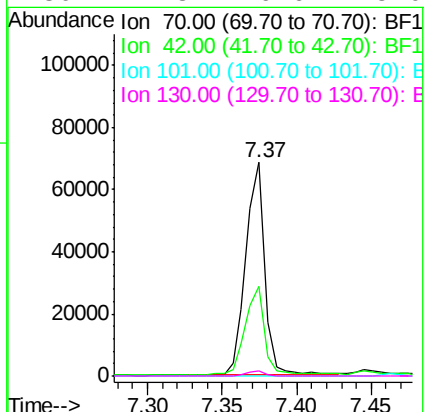
Ion Ratio Lower Upper

70 100

42 42.1 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BF104757.D

Acq: 24 Apr 2018 15:40

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 435221

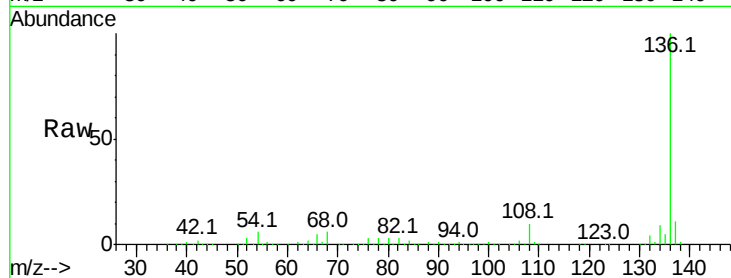
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 6.2 6.6 9.8#

68 6.0 5.0 7.4

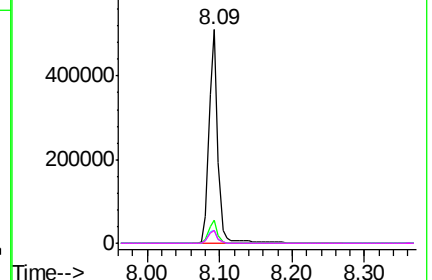
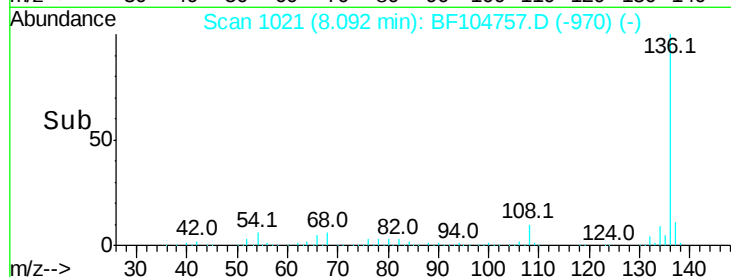


Abundance Ion 136.00 (135.70 to 136.70): E

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: 68.982 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.00 min

Lab File: BF104757.D

Acq: 24 Apr 2018 15:40

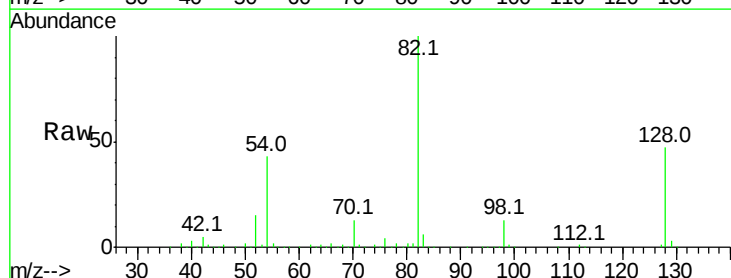
Tgt Ion: 82 Resp: 459777

Ion Ratio Lower Upper

82 100

128 47.5 36.1 54.1

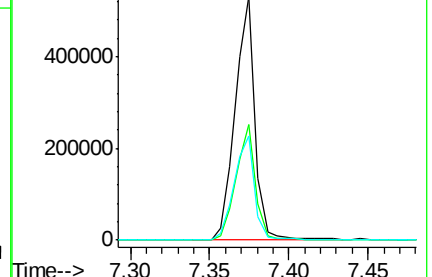
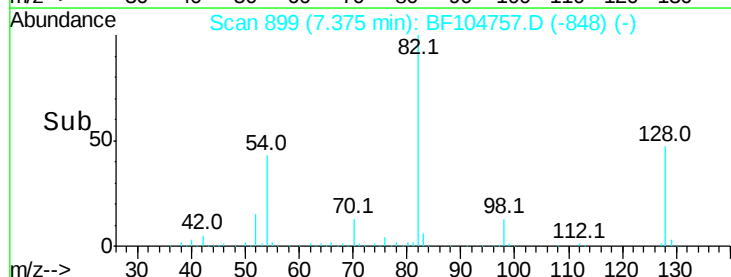
54 43.0 41.4 62.2



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: 32.621 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.25 min

Lab File: BF104757.D

Acq: 24 Apr 2018 15:40

Instrument :

BNA_F

ClientSampleId :

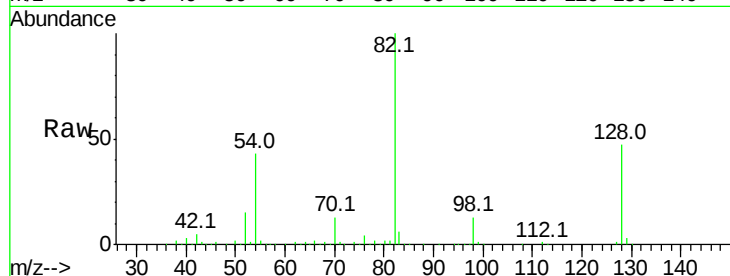
Tot Ion: 82 Resp: 459777

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

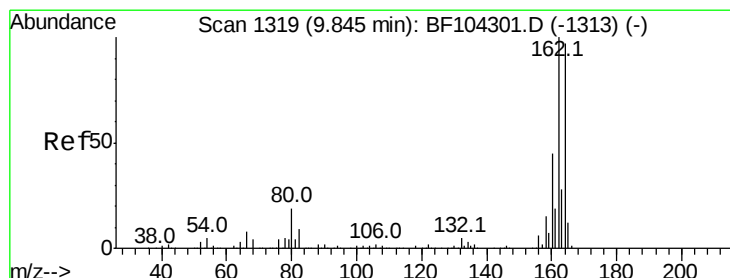
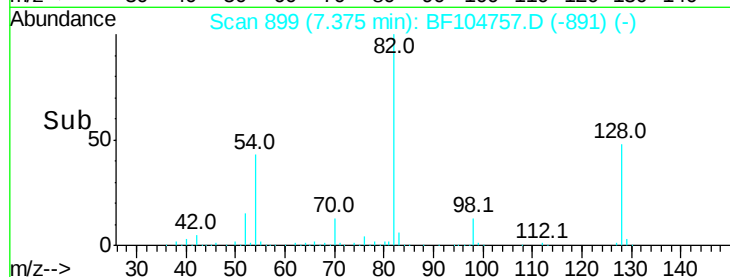
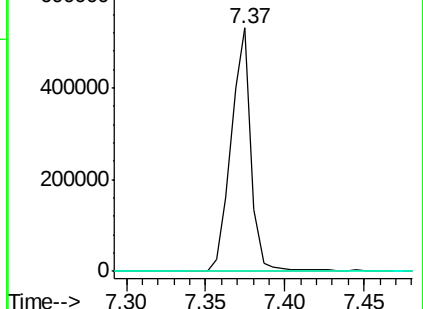
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.00 min

Lab File: BF104757.D

Acq: 24 Apr 2018 15:40

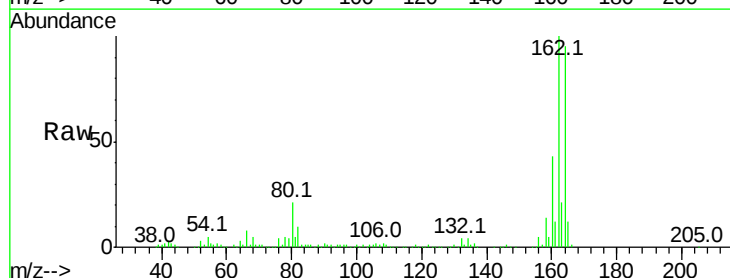
Tgt Ion:164 Resp: 171644

Ion Ratio Lower Upper

164 100

162 104.7 86.1 129.1

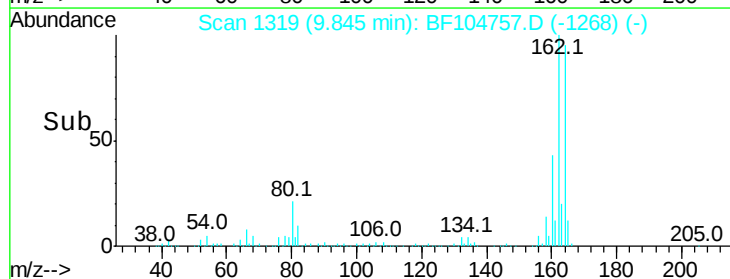
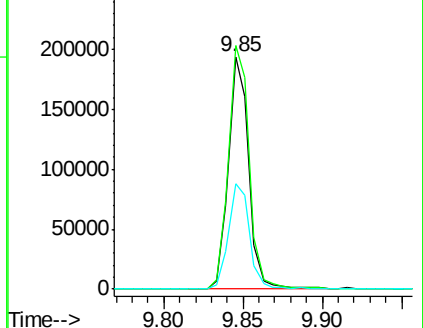
160 45.1 38.3 57.5



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

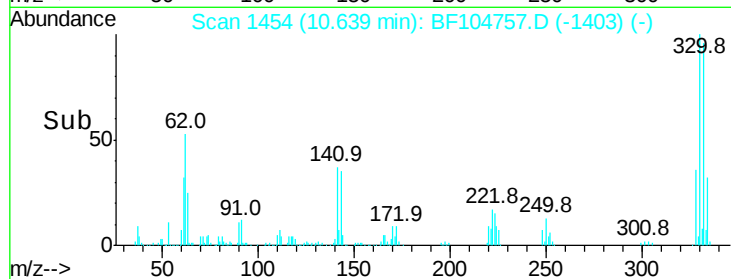
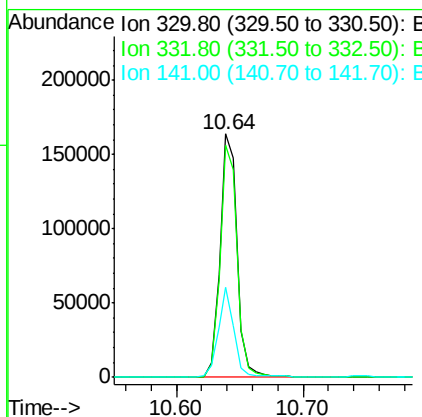
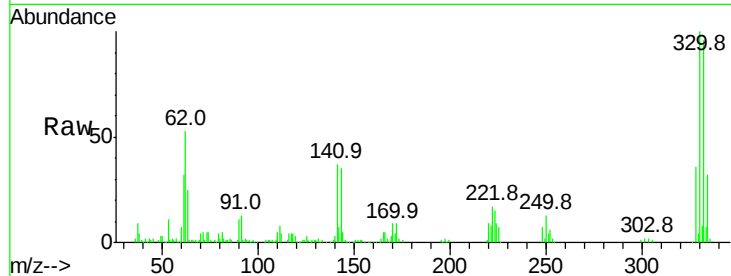




#41
 2,4,6-Tribromophenol
 Concen: 87.549 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.00 min
 Lab File: BF104757.D
 Acq: 24 Apr 2018 15:40

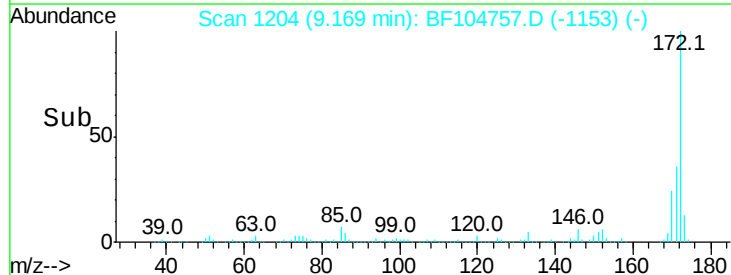
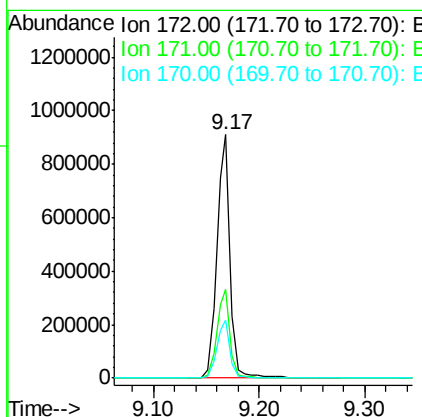
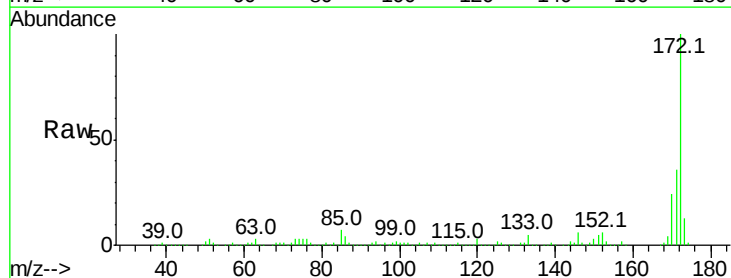
Instrument :
 BNA_F
 ClientSampled :

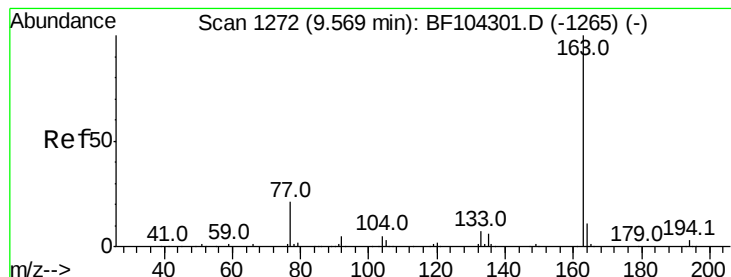
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.0	115.6
141	34.5	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 74.840 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF104757.D
 Acq: 24 Apr 2018 15:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	23.7	19.6	29.4





#49

Dimethylphthalate

Concen: 5.302 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BF104757.D

Acq: 24 Apr 2018 15:40

Instrument :

BNA_F

ClientSampled :

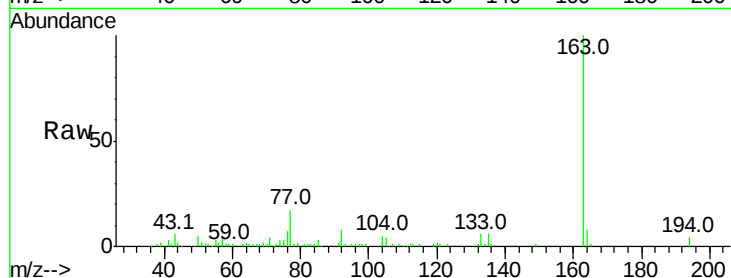
Tot Ion:163 Resp: 71764

Ion Ratio Lower Upper

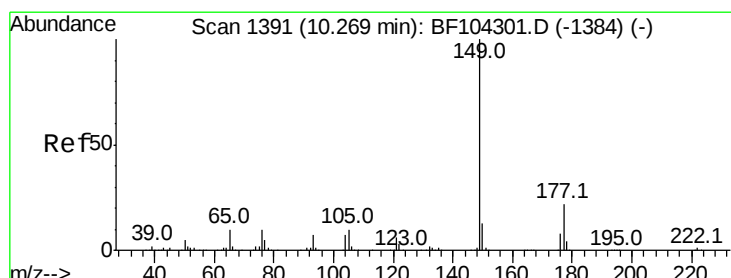
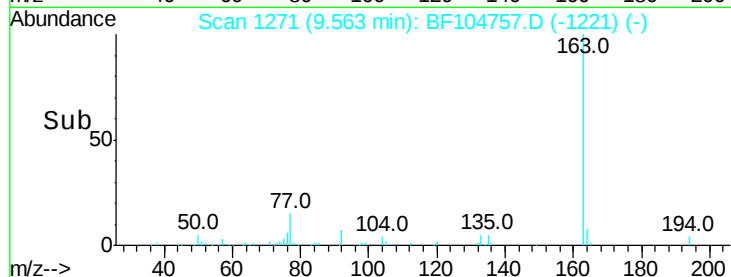
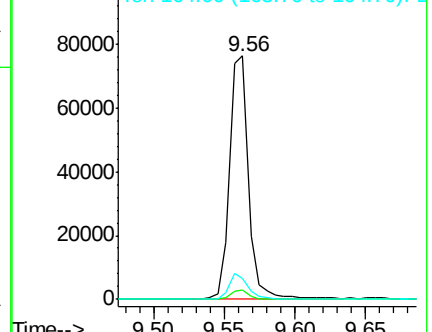
163 100

194 3.8 2.7 4.1

164 8.4 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



#59

Diethylphthalate

Concen: 3.582 ng

RT: 10.26 min Scan# 1389

Delta R.T. -0.01 min

Lab File: BF104757.D

Acq: 24 Apr 2018 15:40

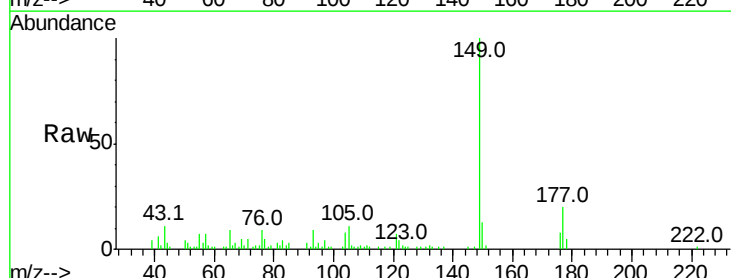
Tgt Ion:149 Resp: 48281

Ion Ratio Lower Upper

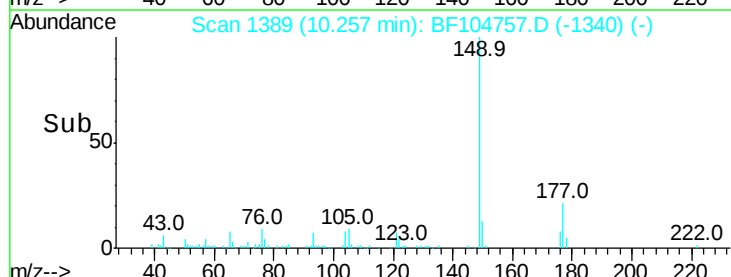
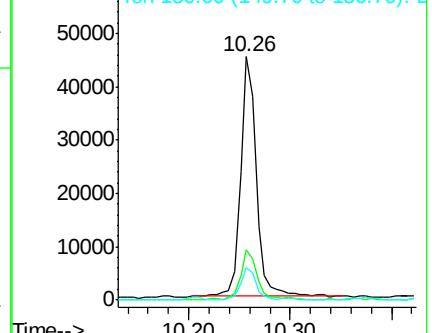
149 100

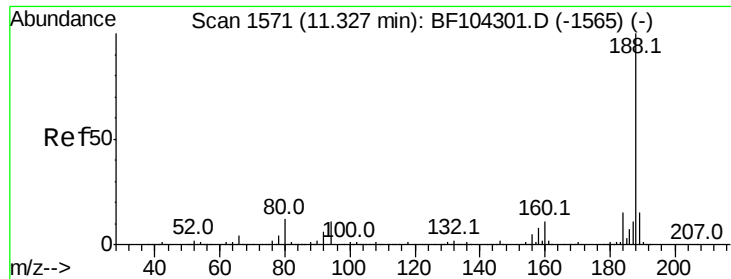
177 20.5 16.1 24.1

150 13.3 10.1 15.1



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

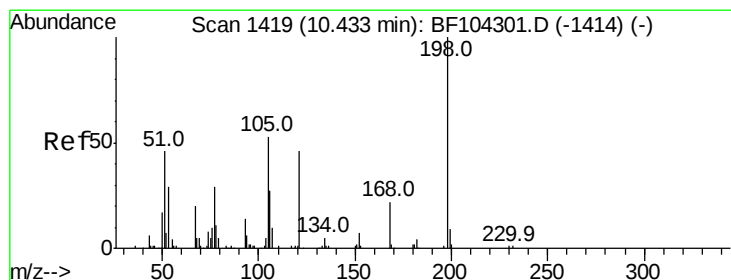
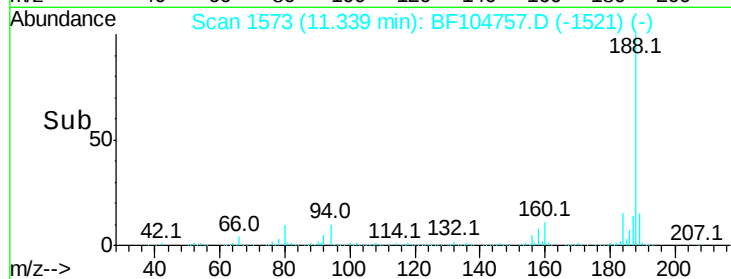
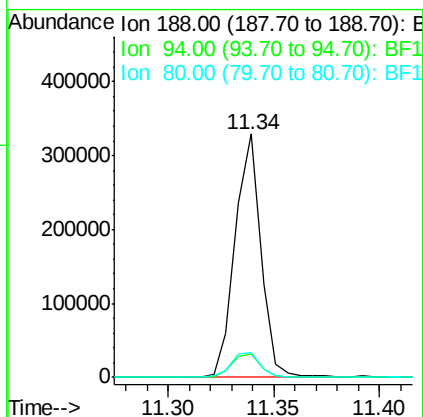
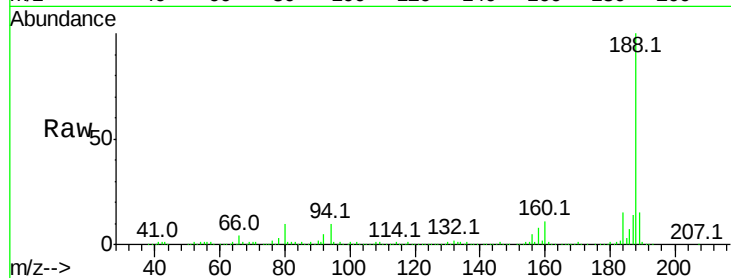




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: BF104757.D
 Acq: 24 Apr 2018 15:40

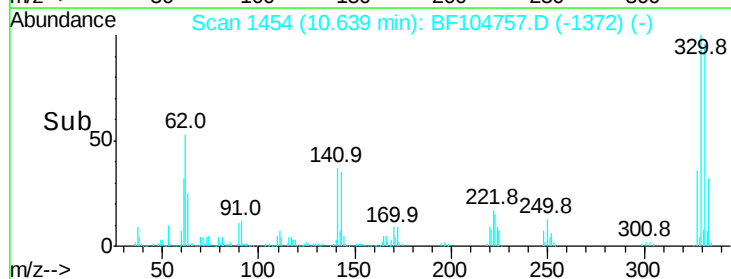
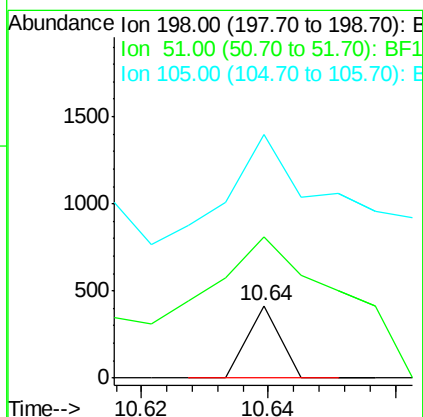
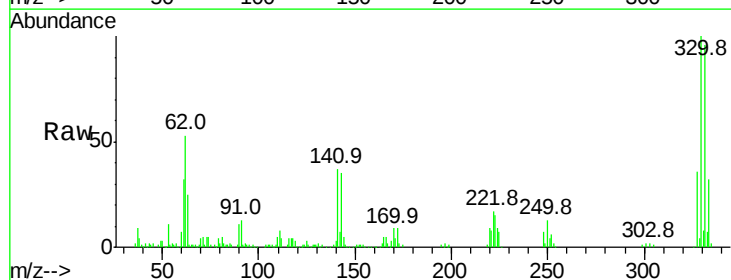
Instrument :
 BNA_F
 ClientSampleId :

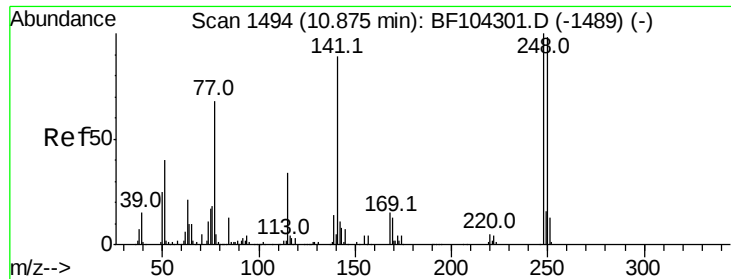
Tot Ion:188 Resp: 276642
 Ion Ratio Lower Upper
 188 100
 94 9.7 8.5 12.7
 80 10.4 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.439 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.18 min
 Lab File: BF104757.D
 Acq: 24 Apr 2018 15:40

Tgt Ion:198 Resp: 147
 Ion Ratio Lower Upper
 198 100
 51 194.0 37.7 77.7#
 105 335.8 36.3 76.3#

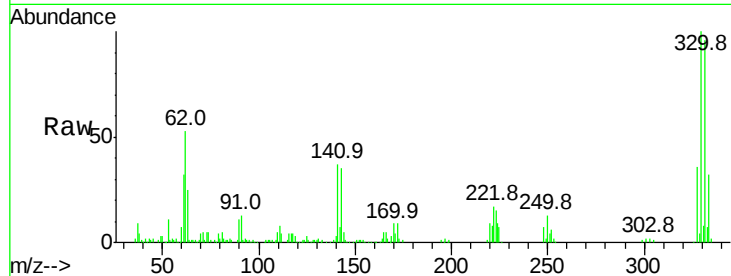




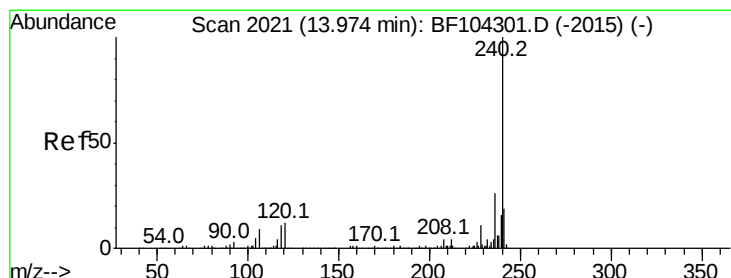
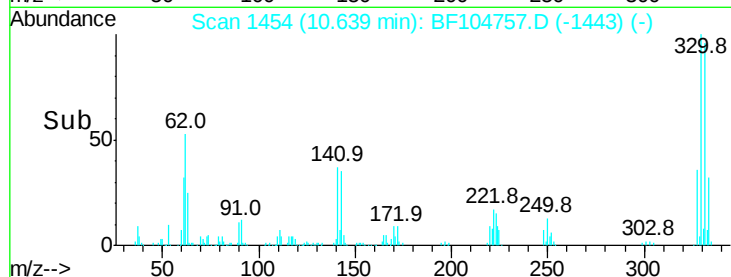
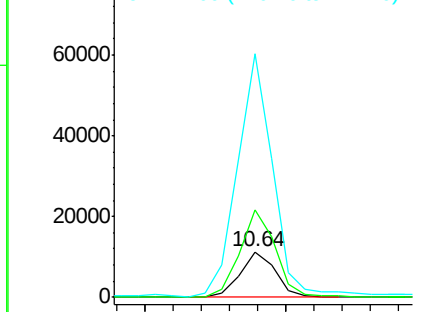
#66
 4-Bromophenyl-phenylether
 Concen: 3.311 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF104757.D
 Acq: 24 Apr 2018 15:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 9743
 Ion Ratio Lower Upper
 248 100
 250 191.3 76.9 115.3#
 141 535.7 74.4 111.6#

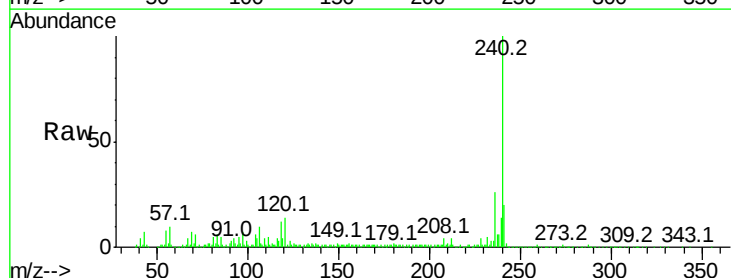


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

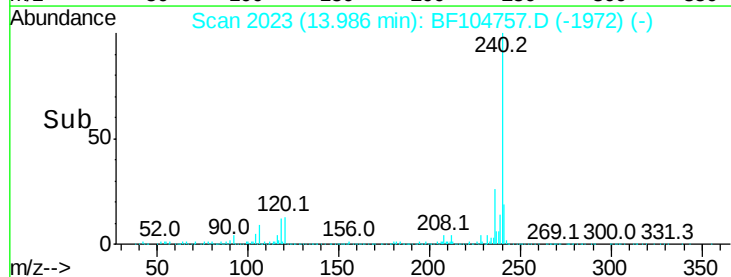
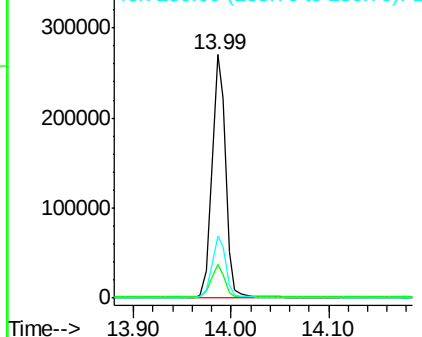


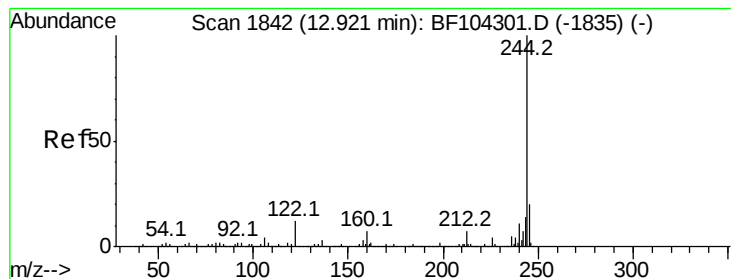
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.00 min
 Lab File: BF104757.D
 Acq: 24 Apr 2018 15:40

Tgt Ion:240 Resp: 261726
 Ion Ratio Lower Upper
 240 100
 120 13.9 9.5 14.3
 236 25.7 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





#78

Terphenyl-d14

Concen: 67.380 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF104757.D

Acq: 24 Apr 2018 15:40

Instrument :

BNA_F

ClientSampled :

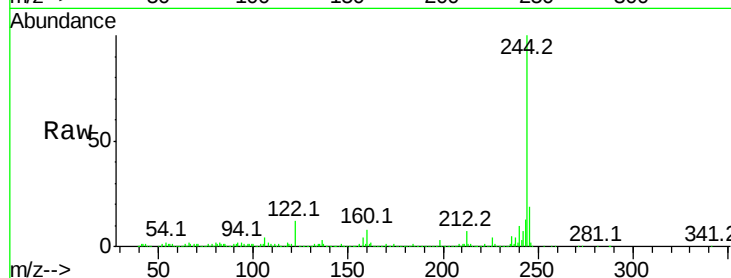
Tot Ion:244 Resp: 773523

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

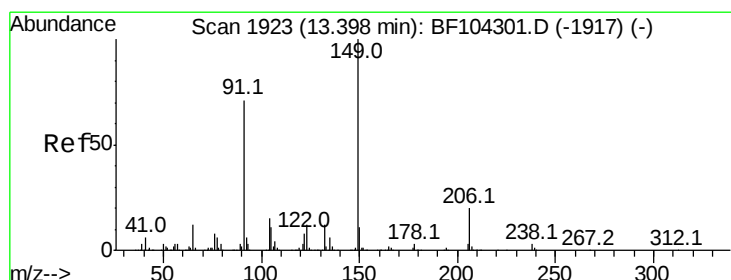
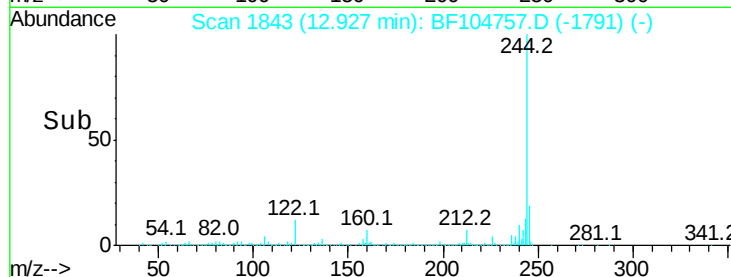
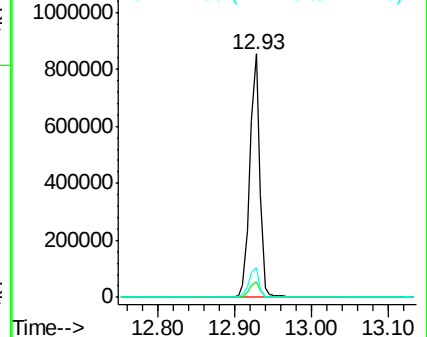
122 12.2 11.0 16.4



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



#79

Butylbenzylphthalate

Concen: 8.250 ng

RT: 13.40 min Scan# 1923

Delta R.T. 0.01 min

Lab File: BF104757.D

Acq: 24 Apr 2018 15:40

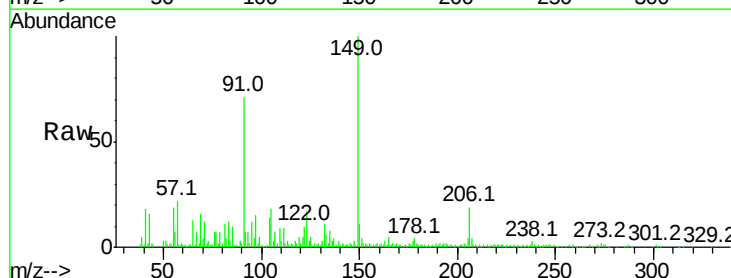
Tgt Ion:149 Resp: 75405

Ion Ratio Lower Upper

149 100

91 71.1 56.8 85.2

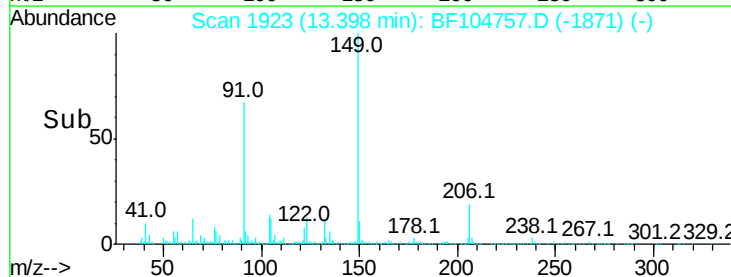
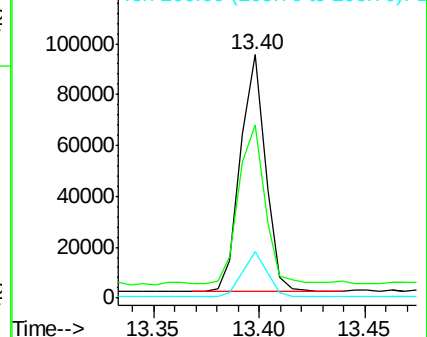
206 19.1 14.1 21.1

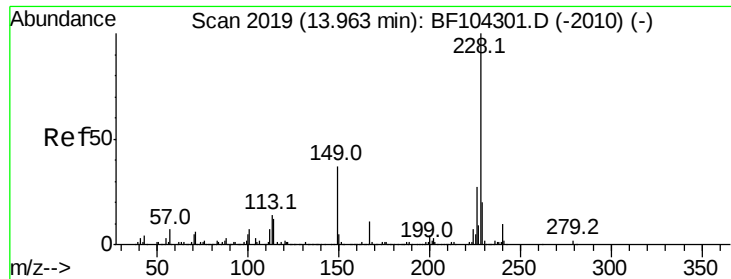


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

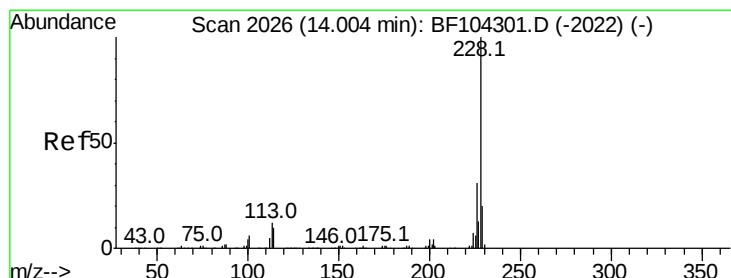
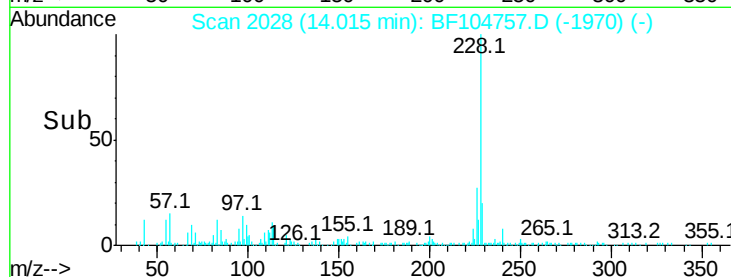
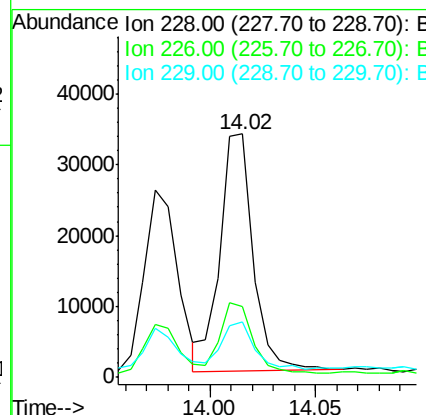
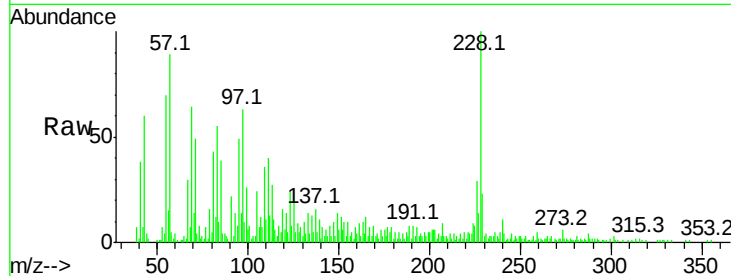




#80
Benzo(a)anthracene
Concen: 2.361 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.04 min
Lab File: BF104757.D
Acq: 24 Apr 2018 15:40

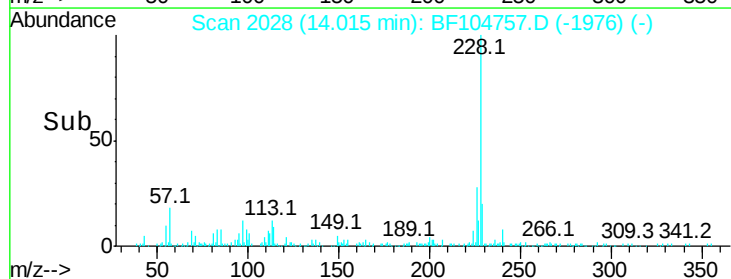
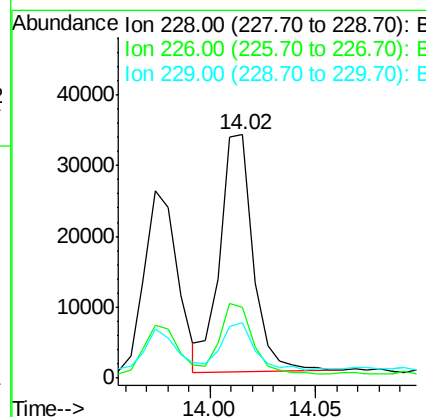
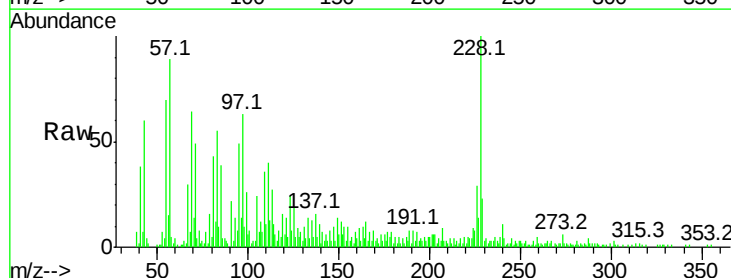
Instrument :
BNA_F
ClientSampleId :

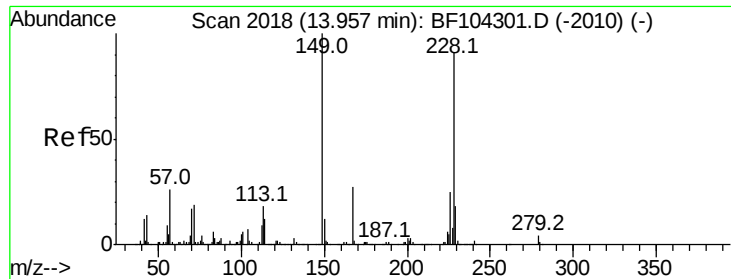
Tot Ion:228 Resp: 36918
Ion Ratio Lower Upper
228 100
226 29.1 22.6 33.8
229 22.9 15.8 23.6



#82
Chrysene
Concen: 2.299 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF104757.D
Acq: 24 Apr 2018 15:40

Tgt Ion:228 Resp: 36918
Ion Ratio Lower Upper
228 100
226 29.1 25.0 37.6
229 22.9 16.2 24.4

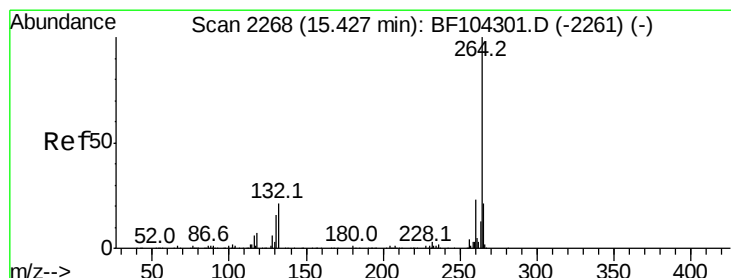
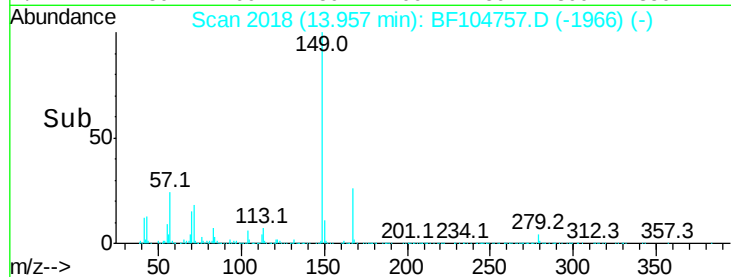
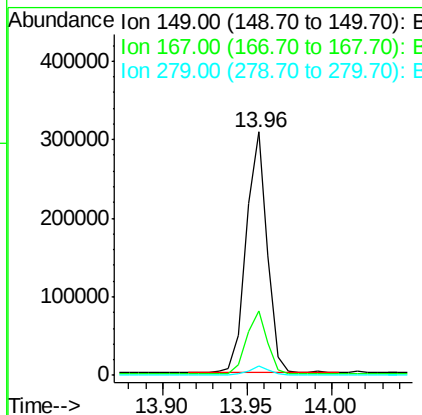
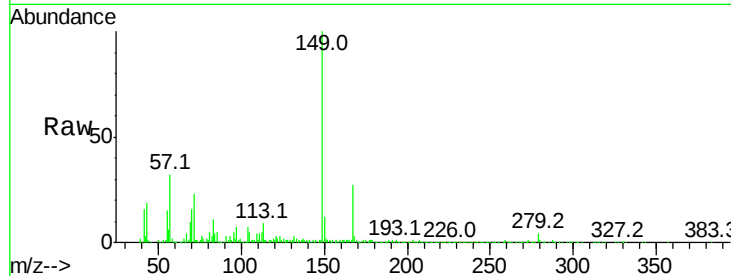




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 22.344 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. 0.01 min
 Lab File: BF104757.D
 Acq: 24 Apr 2018 15:40

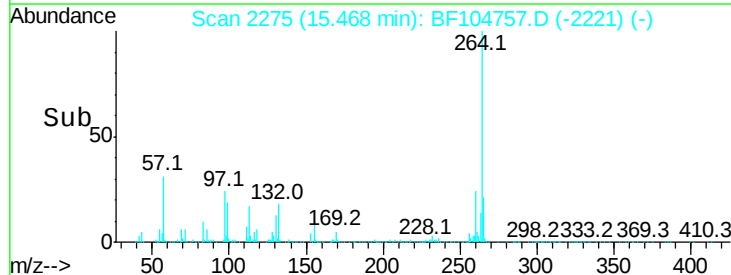
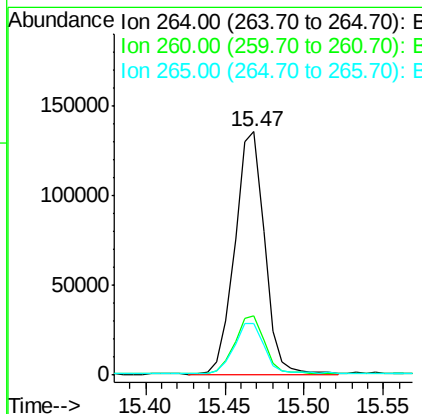
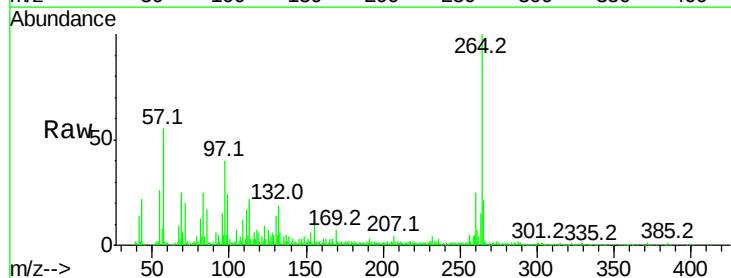
Instrument :
 BNA_F
 ClientSampleId :

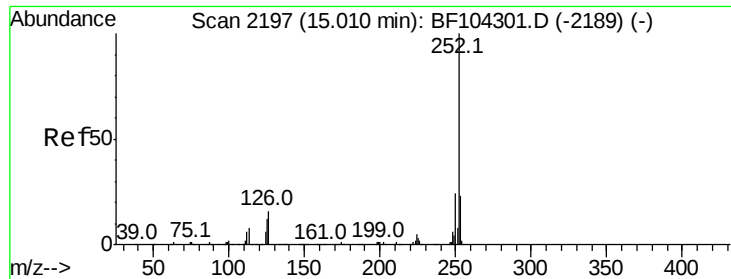
Tot Ion:149	Resp: 262673
Ion Ratio	Lower Upper
149 100	
167 26.6	21.3 31.9
279 3.7	3.0 4.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. 0.02 min
 Lab File: BF104757.D
 Acq: 24 Apr 2018 15:40

Tgt	Ion:264	Resp:	175560
Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	21.1	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 3.306 ng

RT: 15.03 min Scan# 2201

Delta R.T. 0.01 min

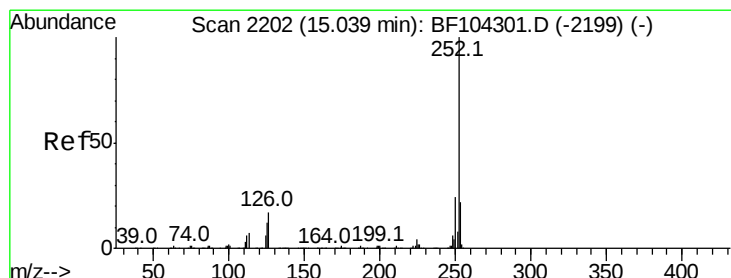
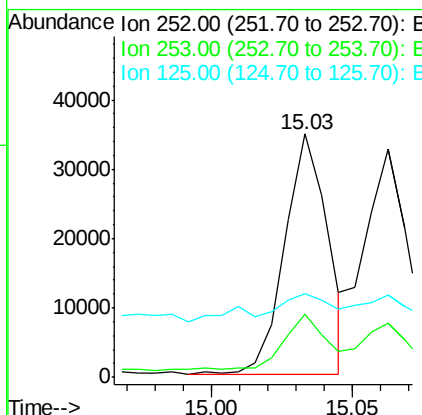
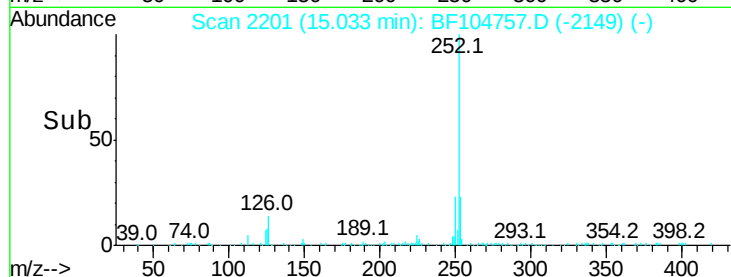
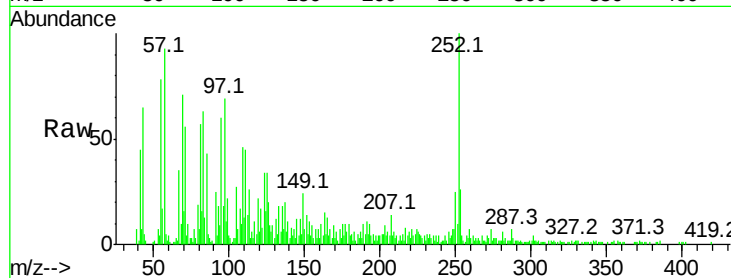
Lab File: BF104757.D

Acq: 24 Apr 2018 15:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 36661

Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.0	25.6#
125	34.5	9.0	13.6#



#88

Benzo(k)fluoranthene

Concen: 3.542 ng

RT: 15.06 min Scan# 2206

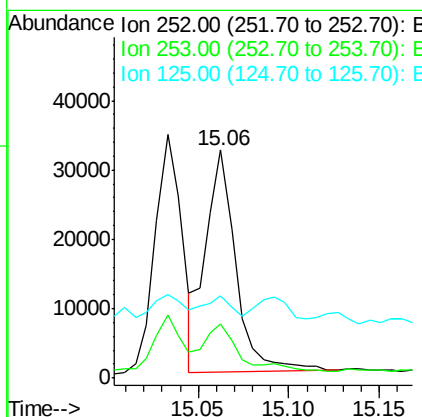
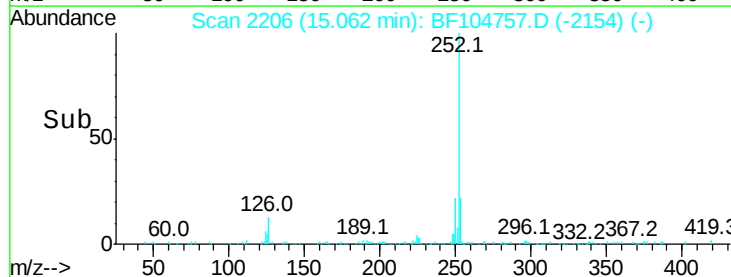
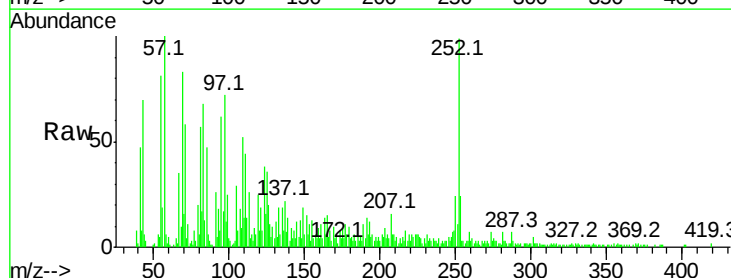
Delta R.T. 0.01 min

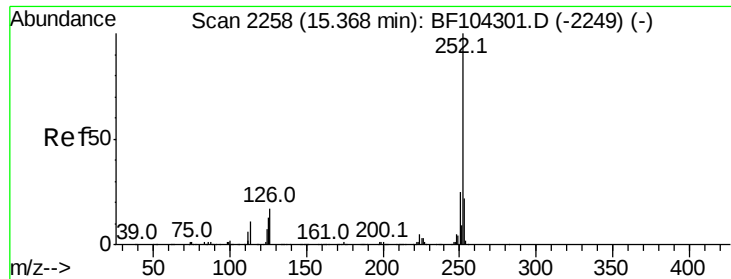
Lab File: BF104757.D

Acq: 24 Apr 2018 15:40

Tgt Ion:252 Resp: 37083

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.9	26.9
125	36.1	10.2	15.2#

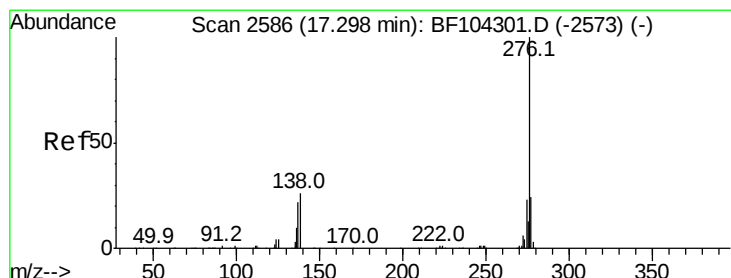
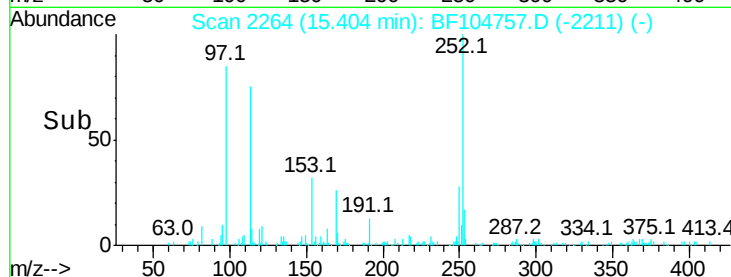
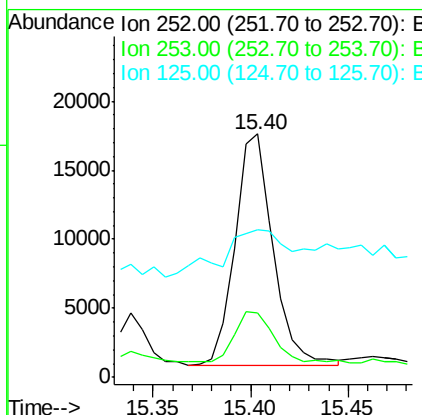
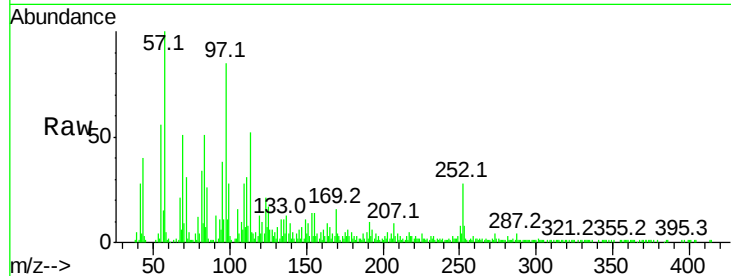




#89
Benzo(a)pyrene
Concen: 2.266 ng
RT: 15.40 min Scan# 2264
Delta R.T. 0.01 min
Lab File: BF104757.D
Acq: 24 Apr 2018 15:40

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 22478
Ion Ratio Lower Upper
252 100
253 26.4 17.1 25.7#
125 60.4 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 3.121 ng
RT: 17.38 min Scan# 2600
Delta R.T. 0.03 min
Lab File: BF104757.D
Acq: 24 Apr 2018 15:40

Tgt Ion:276 Resp: 24640
Ion Ratio Lower Upper
276 100
277 28.5 17.9 26.9#
138 30.7 21.8 32.8

