

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042518\
 Data File : BF104801.D
 Acq On : 25 Apr 2018 20:48
 Operator : JU/SJ
 Sample : J2525-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 26 08:17:39 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 25 14:01:50 2018
 Response via : Initial Calibration

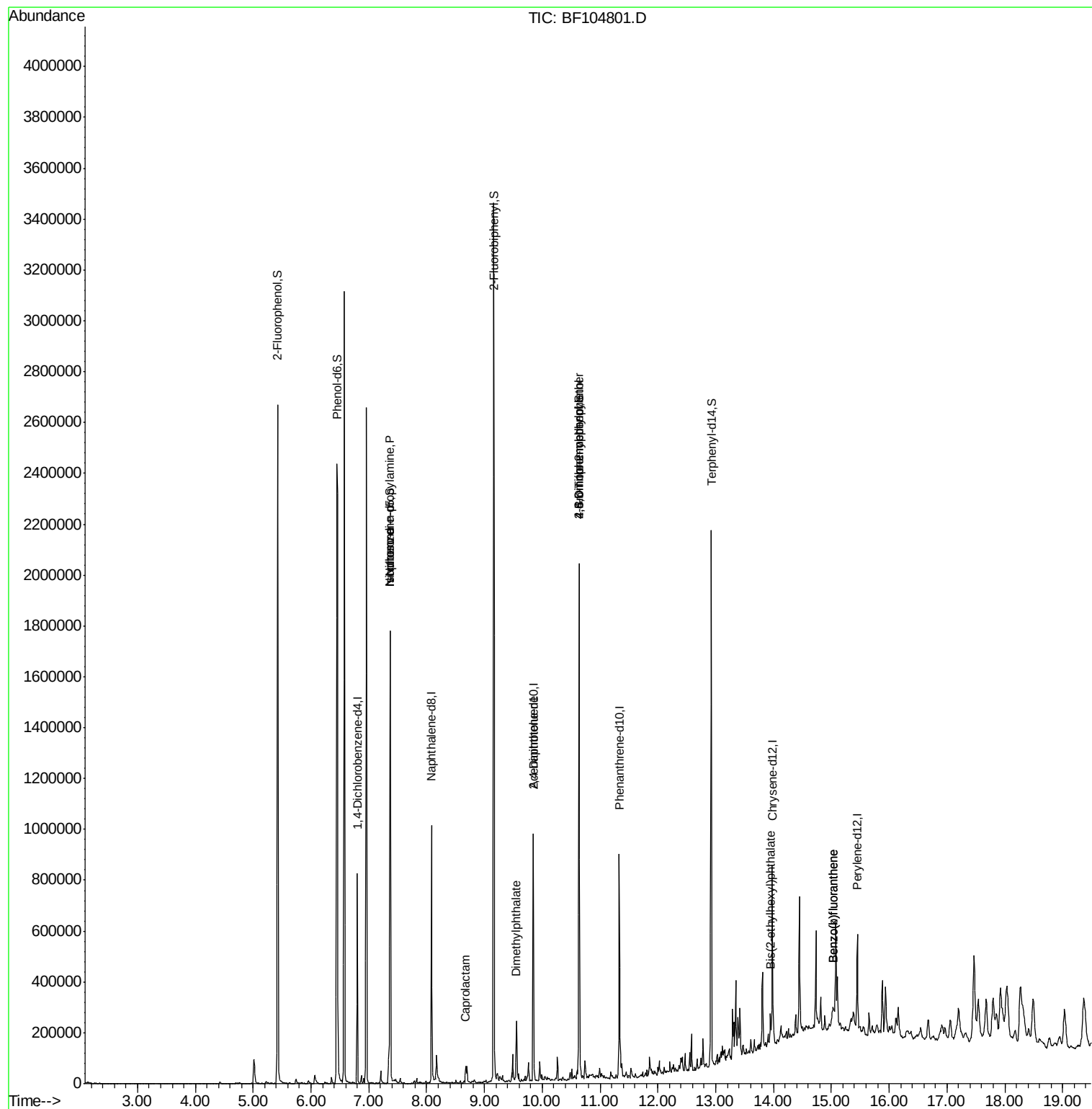
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	112963	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	461885	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	198946	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	299730	20.00	ng	0.00
75) Chrysene-d12	13.98	240	206579	20.00	ng	0.00
86) Perylene-d12	15.45	264	150260	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	898615	121.64	ng	0.00
7) Phenol-d6	6.45	99	1134837	125.02	ng	0.00
23) Nitrobenzene-d5	7.37	82	705353	99.72	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	252761	122.48	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1067938	84.80	ng	0.00
78) Terphenyl-d14	12.92	244	676365	74.64	ng	0.00
Target Compounds						
9) Benzaldehyde	6.35	77	6724	Below Cal		99
19) n-Nitroso-di-n-propylamine	7.37	70	92433	15.583 ng	#	72
25) Isophorone	7.37	82	705349	47.156 ng	#	64
35) Caprolactam	8.68	113	4616	2.101 ng	#	6
49) Dimethylphthalate	9.56	163	97725	6.229 ng		99
56) 2,4-Dinitrotoluene	9.84	165	26073	6.847 ng	#	23
64) 4,6-Dinitro-2-methylphenol	10.64	198	430	7.597 ng	#	1
66) 4-Bromophenyl-phenylether	10.64	248	15505	4.863 ng	#	1
76) Benzidine	12.92	184	9555	Below Cal	#	94
83) Bis(2-ethylhexyl)phthalate	13.95	149	26625	2.869 ng		97
87) Benzo(b)fluoranthene	15.03	252	21707	2.287 ng	#	71
88) Benzo(k)fluoranthene	15.03	252	21707	2.423 ng	#	73

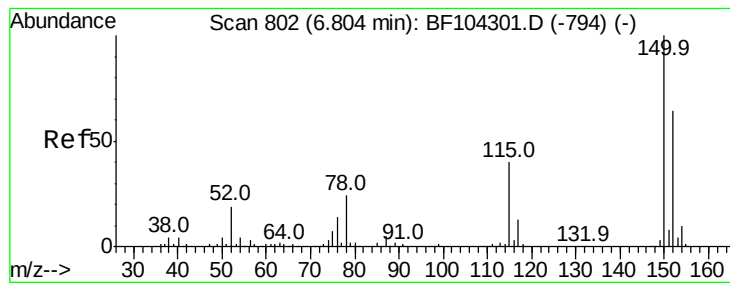
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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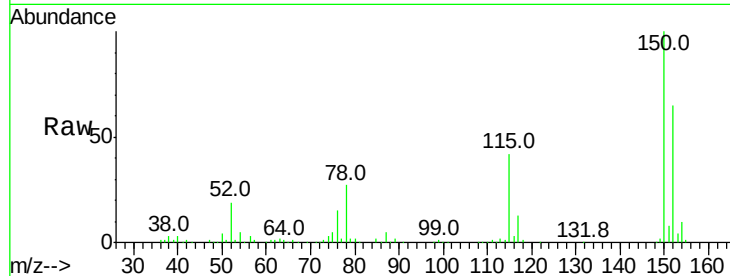


#1

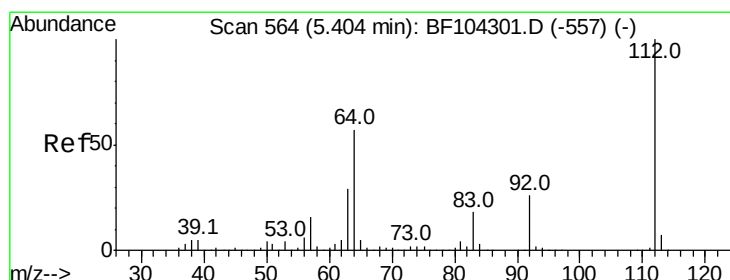
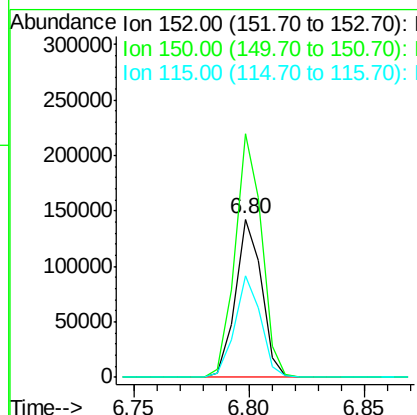
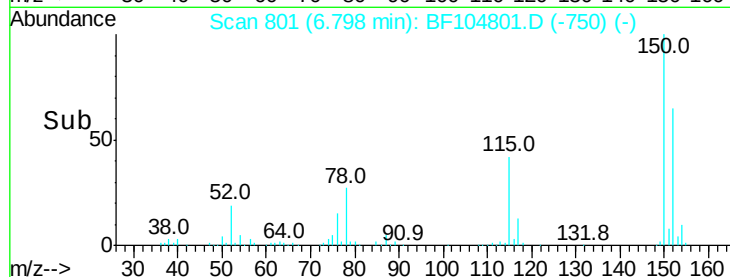
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF104801.D
Acq: 25 Apr 2018 20:48

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 112963
Ion Ratio Lower Upper
152 100
150 154.2 124.6 186.8
115 64.4 50.1 75.1



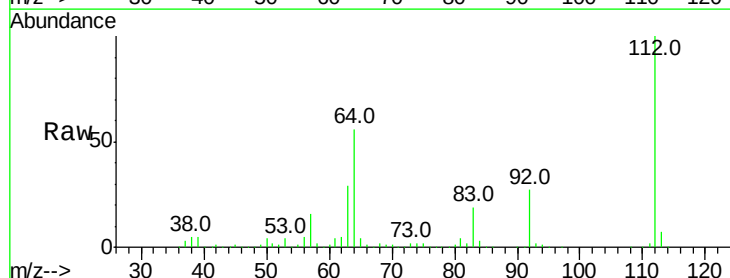
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



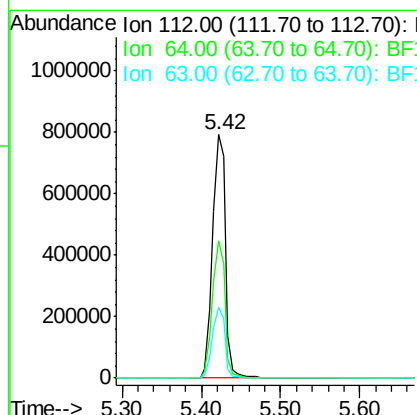
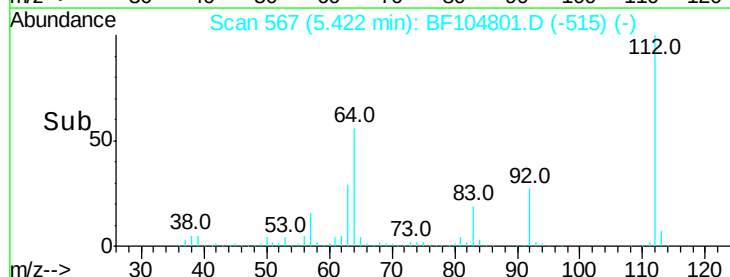
#5

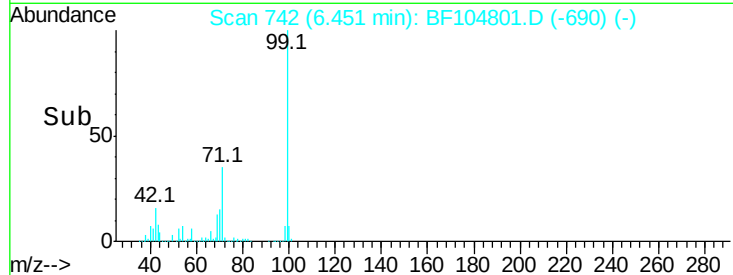
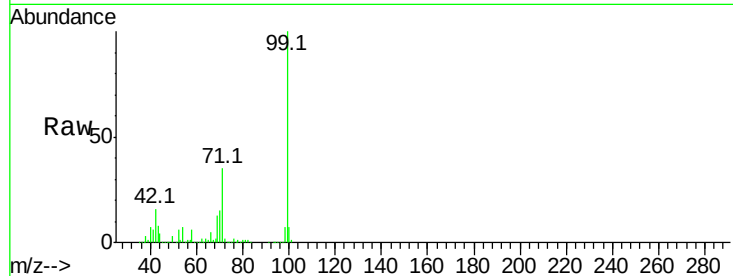
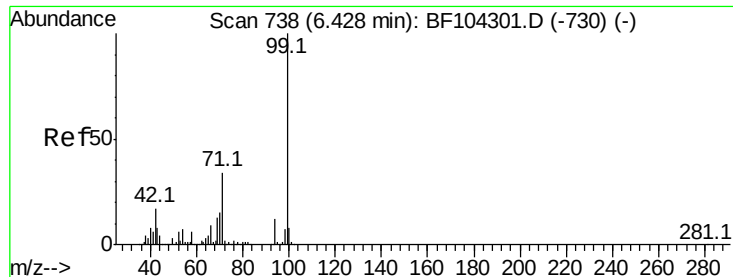
2-Fluorophenol
Concen: 121.636 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104801.D
Acq: 25 Apr 2018 20:48

Tgt Ion:112 Resp: 898615
Ion Ratio Lower Upper
112 100
64 56.4 47.9 71.9
63 29.3 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: 125.021 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF104801.D

Acq: 25 Apr 2018 20:48

Instrument :

BNA_F

ClientSampled :

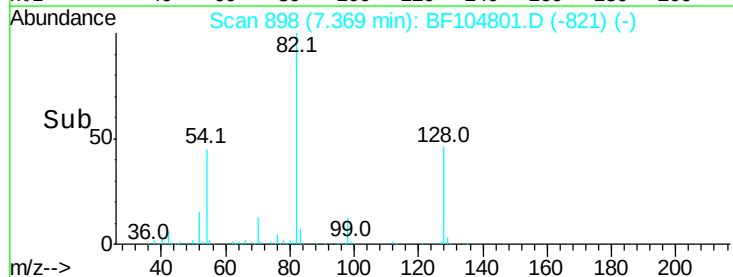
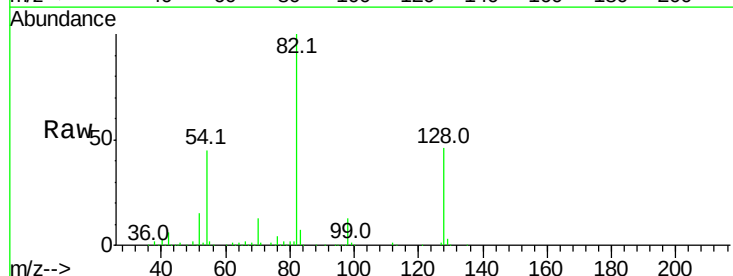
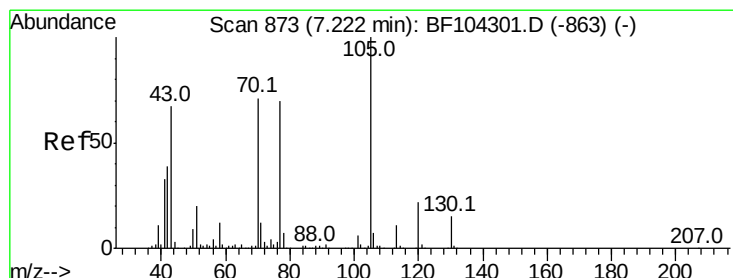
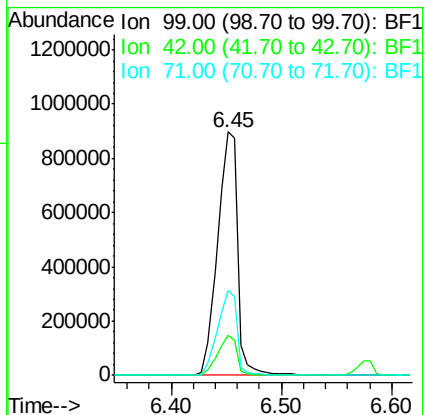
Tot Ion: 99 Resp: 1134837

Ion Ratio Lower Upper

99 100

42 16.4 14.5 21.7

71 35.1 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.583 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104801.D

Acq: 25 Apr 2018 20:48

Tgt Ion: 70 Resp: 92433

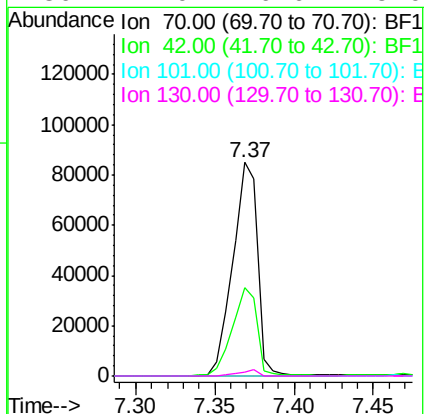
Ion Ratio Lower Upper

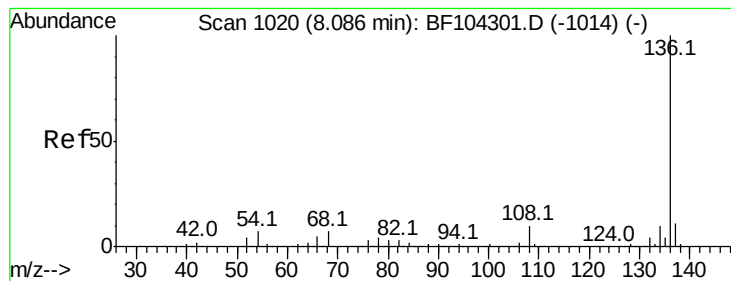
70 100

42 41.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BF104801.D

Acq: 25 Apr 2018 20:48

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 461885

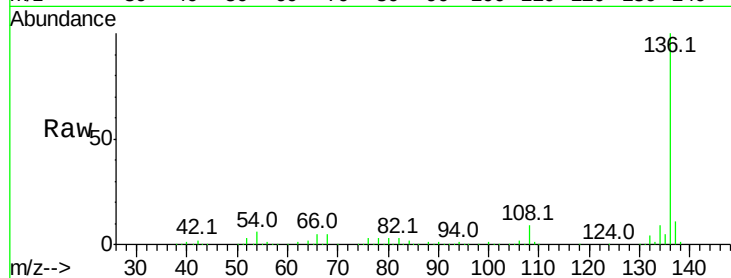
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 6.2 6.6 9.8#

68 5.0 5.0 7.4

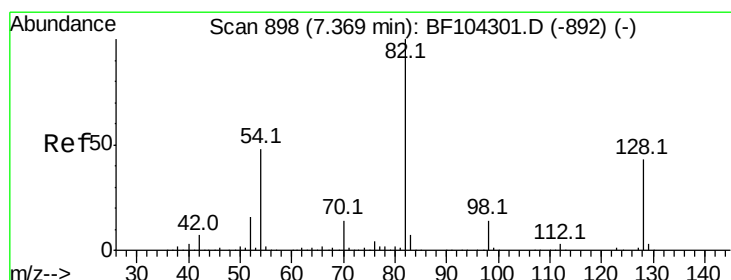
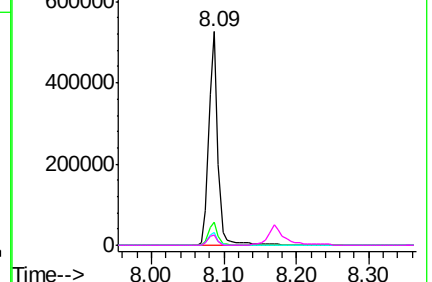
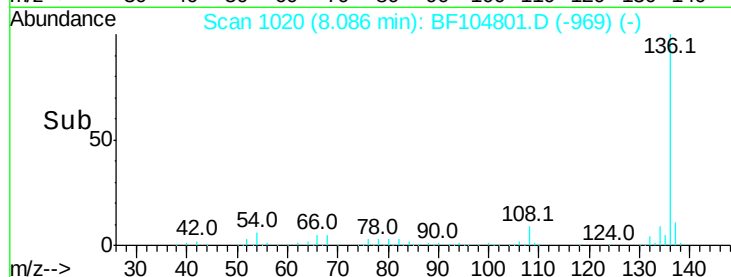


Abundance Ion 136.00 (135.70 to 136.70): E

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: 99.718 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF104801.D

Acq: 25 Apr 2018 20:48

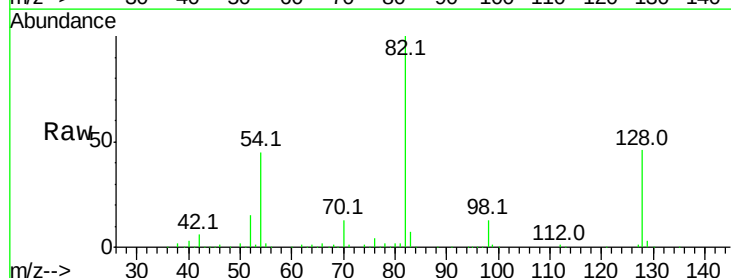
Tgt Ion: 82 Resp: 705353

Ion Ratio Lower Upper

82 100

128 45.5 36.1 54.1

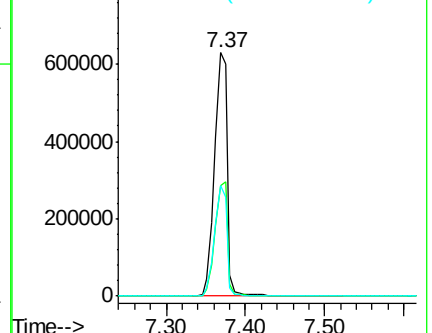
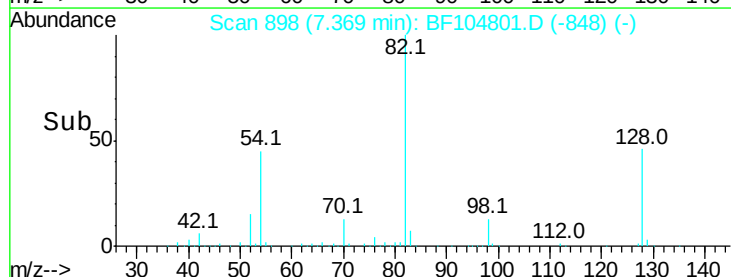
54 45.1 41.4 62.2

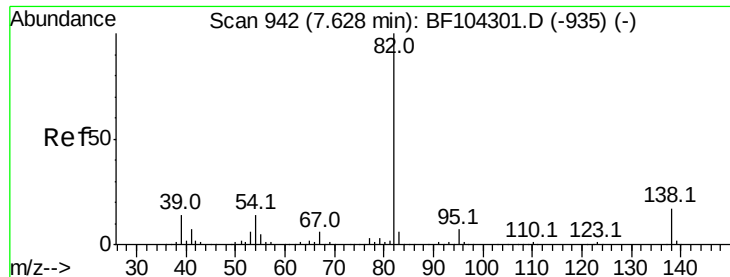


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 47.156 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104801.D

Acq: 25 Apr 2018 20:48

Instrument :

BNA_F

ClientSampleId :

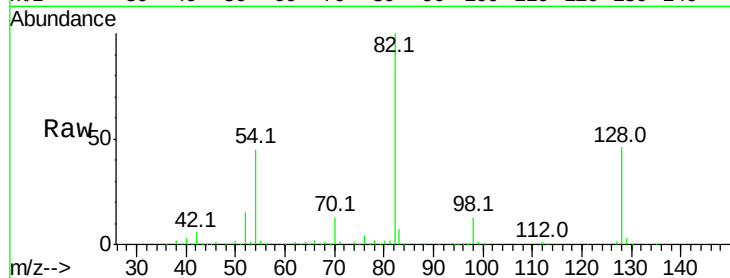
Tot Ion: 82 Resp: 705349

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

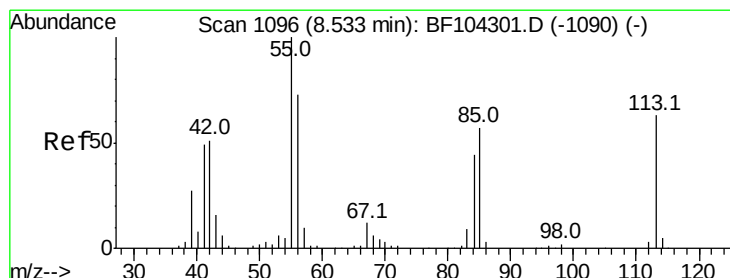
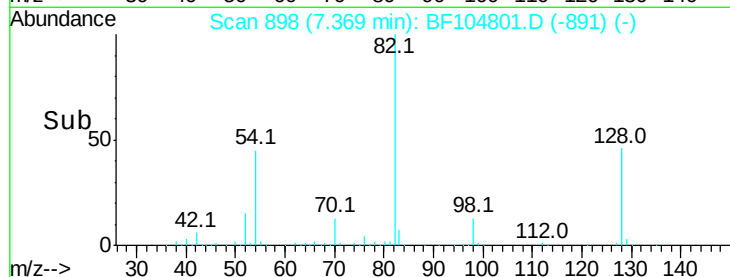
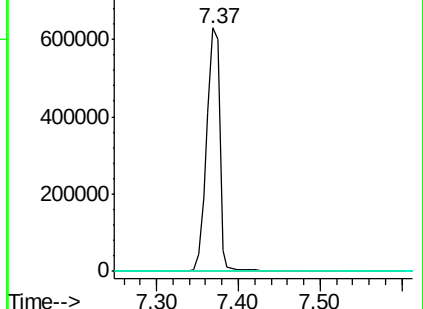
138 0.0 14.9 22.3#



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



#35

Caprolactam

Concen: 2.101 ng

RT: 8.68 min Scan# 1121

Delta R.T. 0.14 min

Lab File: BF104801.D

Acq: 25 Apr 2018 20:48

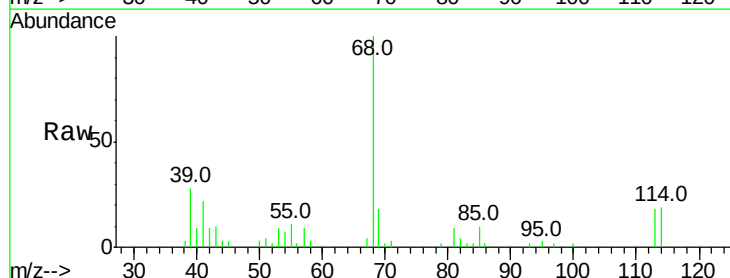
Tgt Ion: 113 Resp: 4616

Ion Ratio Lower Upper

113 100

55 59.5 163.3 203.3#

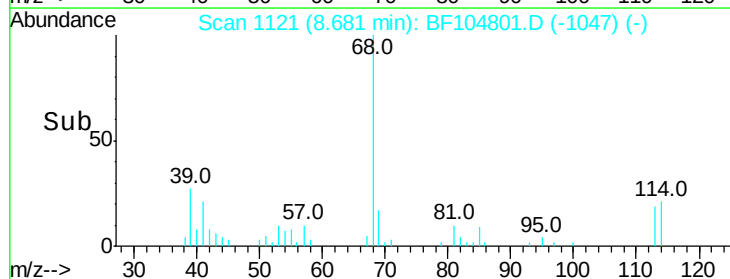
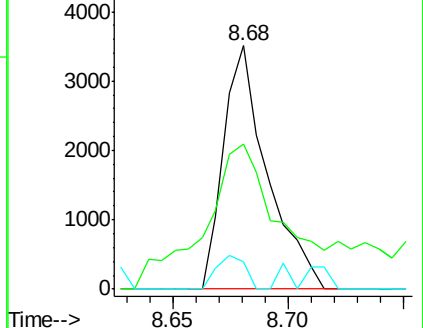
56 11.2 115.7 155.7#

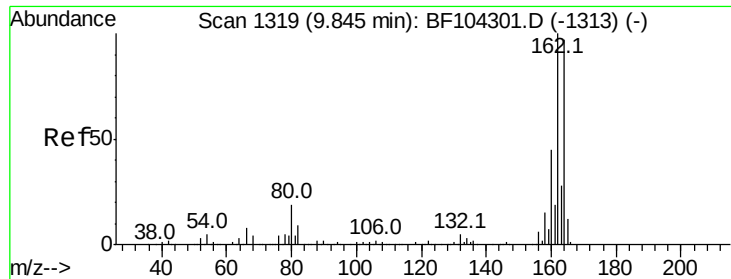


Abundance Ion 113.00 (112.70 to 113.70): BF1

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1

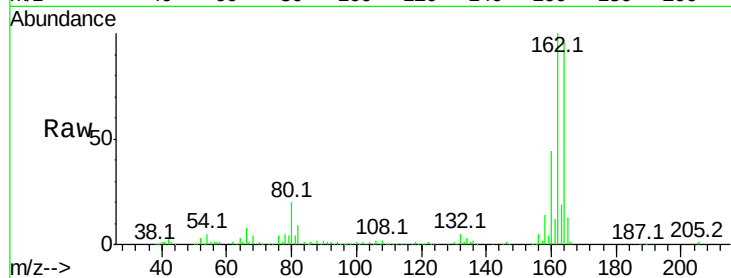




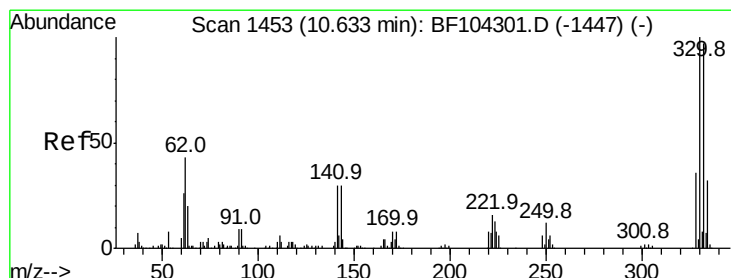
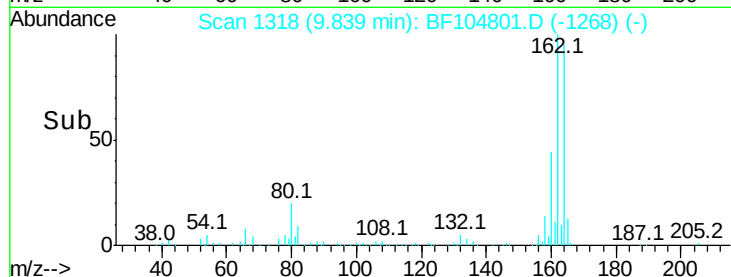
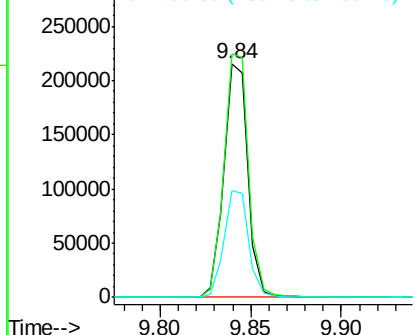
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF104801.D
 Acq: 25 Apr 2018 20:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 198946
 Ion Ratio Lower Upper
 164 100
 162 104.2 86.1 129.1
 160 45.8 38.3 57.5

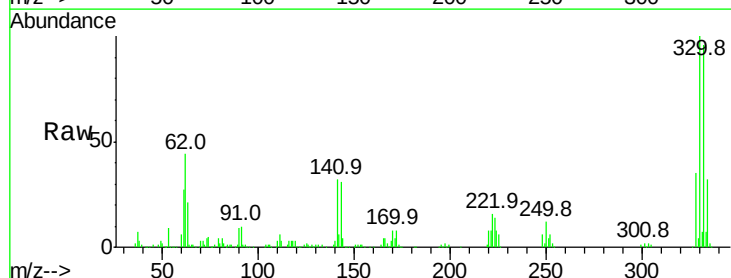


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

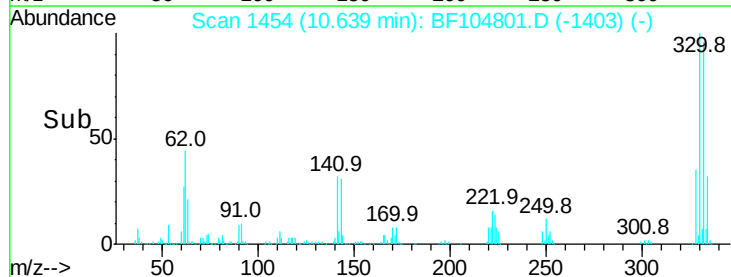
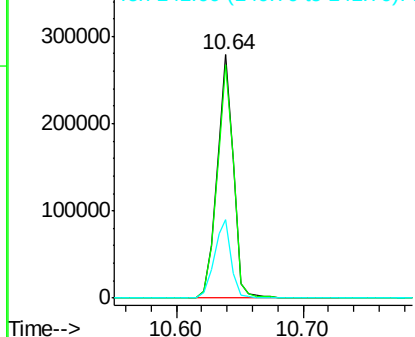


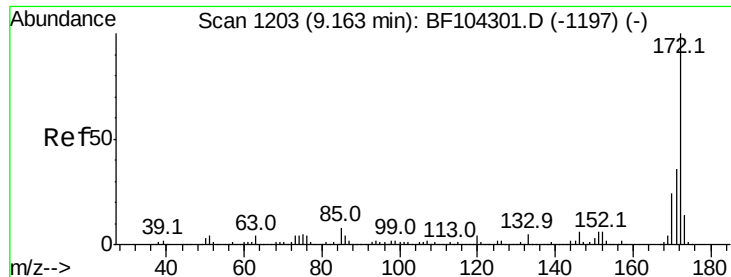
#41
 2,4,6-Tribromophenol
 Concen: 122.478 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.00 min
 Lab File: BF104801.D
 Acq: 25 Apr 2018 20:48

Tgt Ion:330 Resp: 252761
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.0 115.6
 141 33.6 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

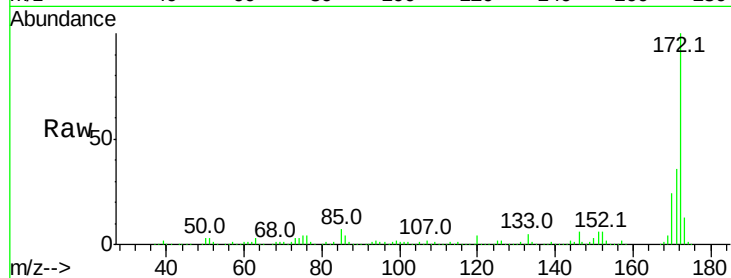




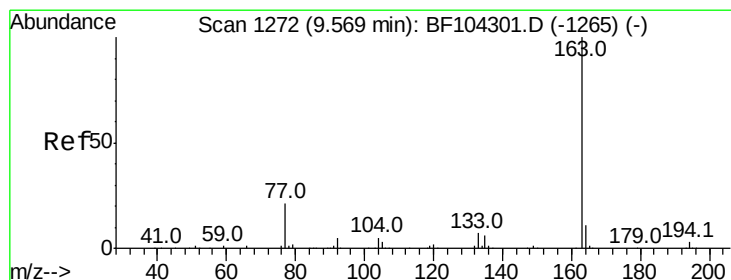
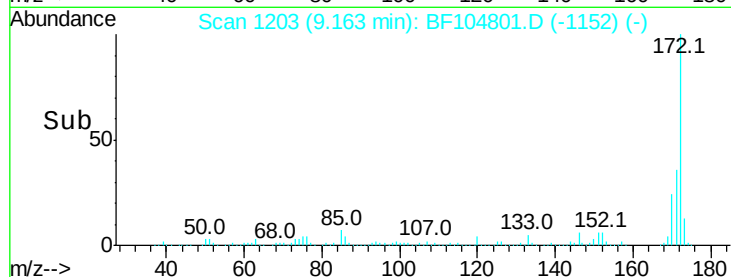
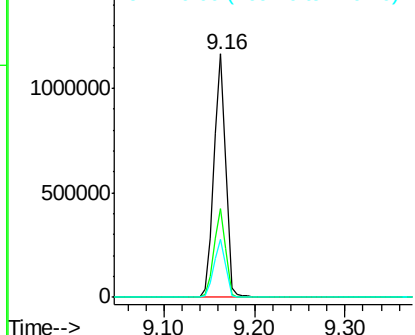
#44
2-Fluorobiphenyl
Concen: 84.801 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.00 min
Lab File: BF104801.D
Acq: 25 Apr 2018 20:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1067938
Ion Ratio Lower Upper
172 100
171 36.4 29.7 44.5
170 23.9 19.6 29.4

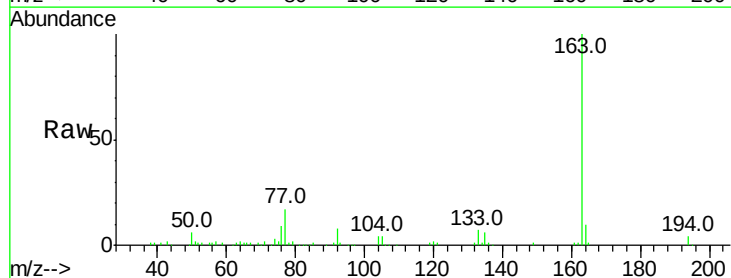


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

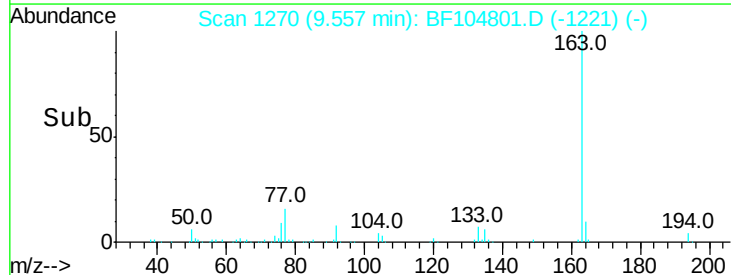
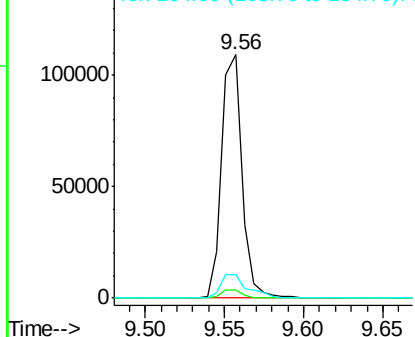


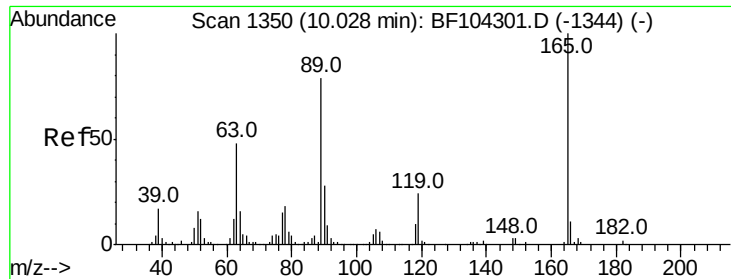
#49
Dimethylphthalate
Concen: 6.229 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF104801.D
Acq: 25 Apr 2018 20:48

Tgt Ion:163 Resp: 97725
Ion Ratio Lower Upper
163 100
194 3.6 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

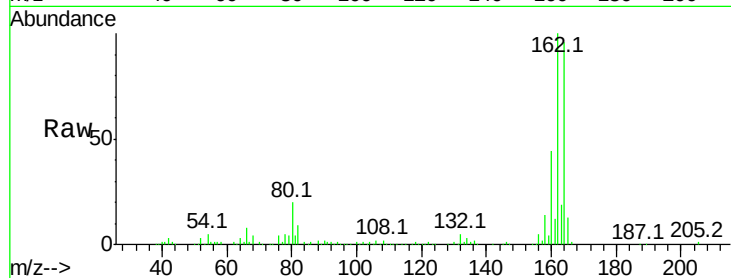




#56
 2,4-Dinitrotoluene
 Concen: 6.847 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.20 min
 Lab File: BF104801.D
 Acq: 25 Apr 2018 20:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#

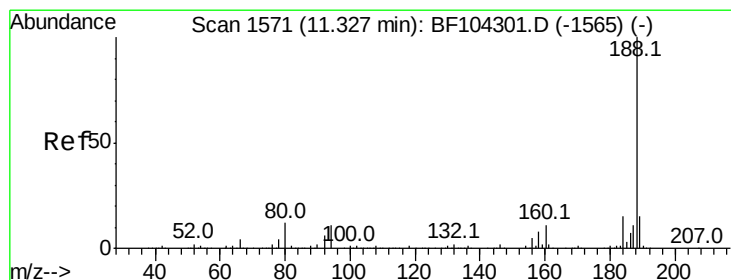
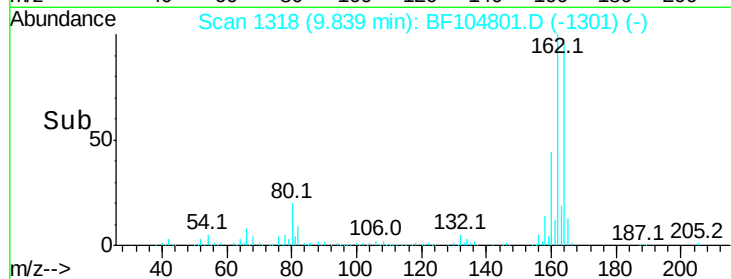
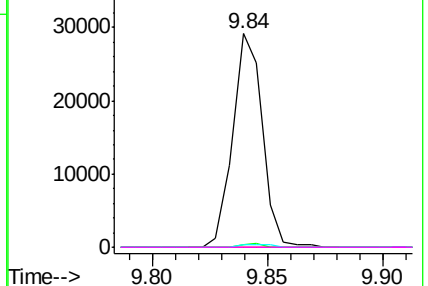


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

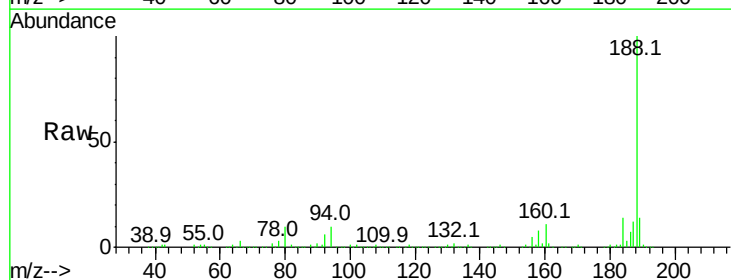
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BF104801.D
 Acq: 25 Apr 2018 20:48

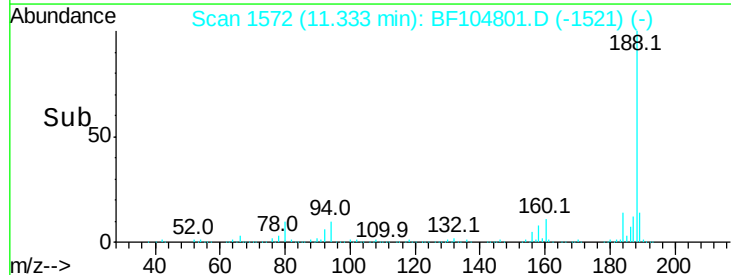
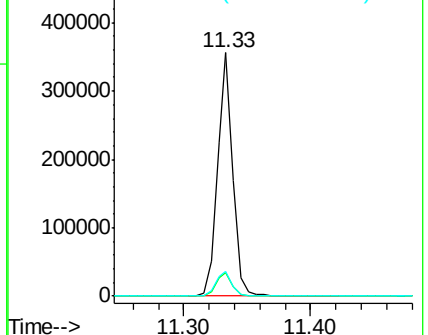
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.5	12.7
80	10.0	9.2	13.8

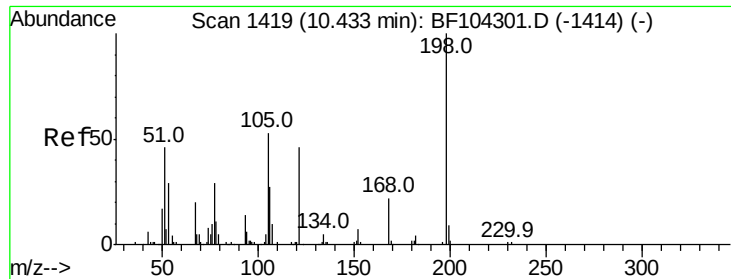


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#64

4,6-Dinitro-2-methylphenol

Concen: 7.597 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.18 min

Lab File: BF104801.D

Acq: 25 Apr 2018 20:48

Instrument :

BNA_F

ClientSampleId :

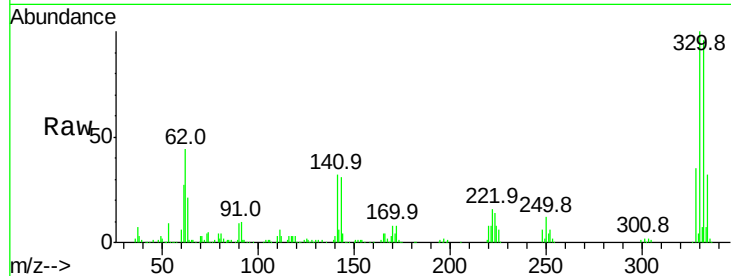
Tot Ion:198 Resp: 430

Ion Ratio Lower Upper

198 100

51 141.2 37.7 77.7#

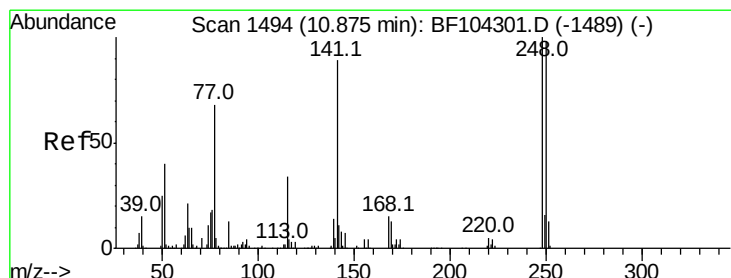
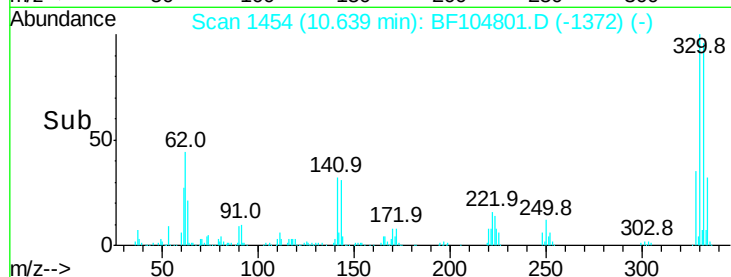
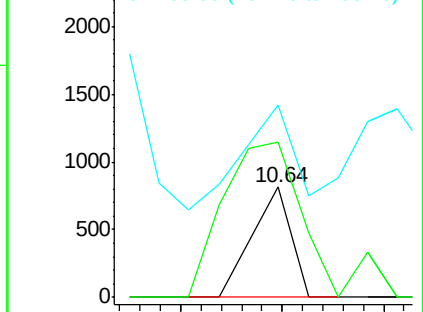
105 174.7 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.863 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.24 min

Lab File: BF104801.D

Acq: 25 Apr 2018 20:48

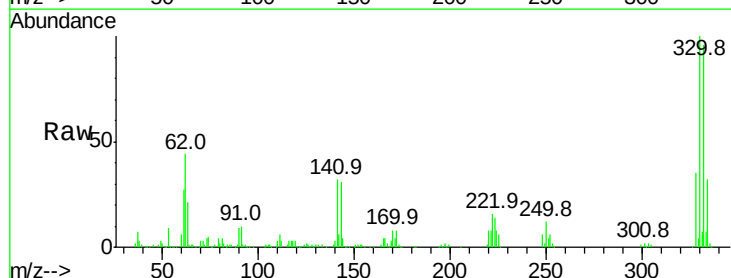
Tgt Ion:248 Resp: 15505

Ion Ratio Lower Upper

248 100

250 191.6 76.9 115.3#

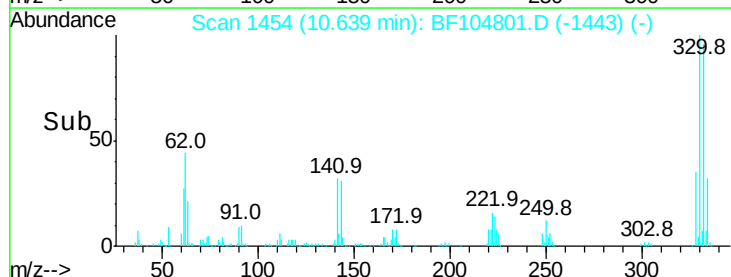
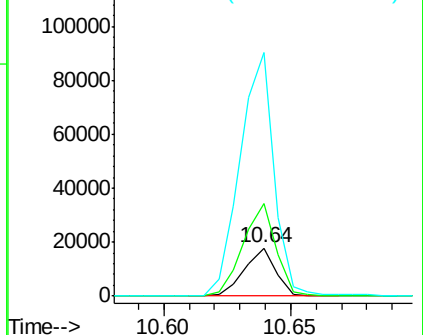
141 507.0 74.4 111.6#

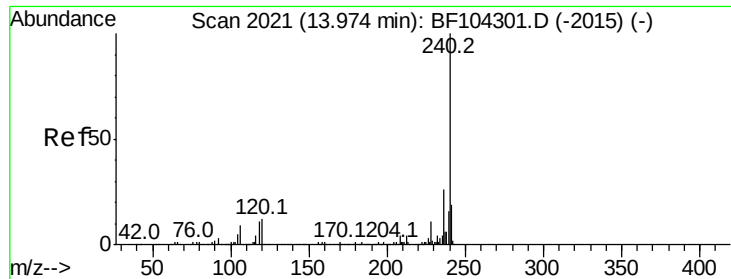


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104801.D

Acq: 25 Apr 2018 20:48

Instrument :

BNA_F

ClientSampleId :

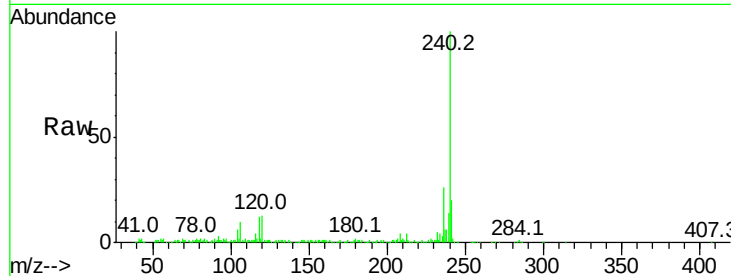
Tot Ion:240 Resp: 206579

Ion Ratio Lower Upper

240 100

120 13.4 9.5 14.3

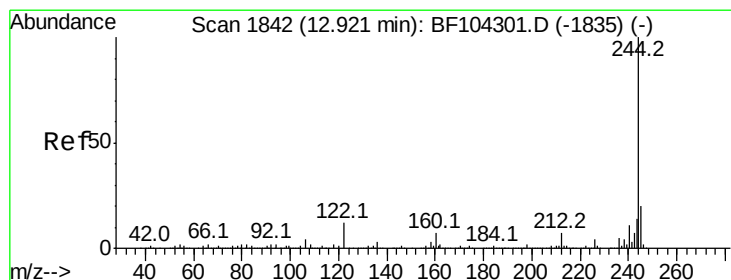
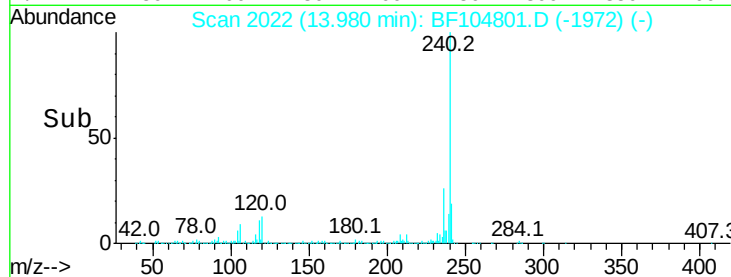
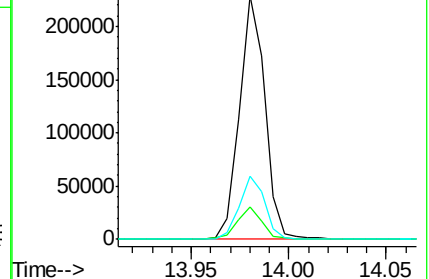
236 25.9 20.7 31.1



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: 74.644 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF104801.D

Acq: 25 Apr 2018 20:48

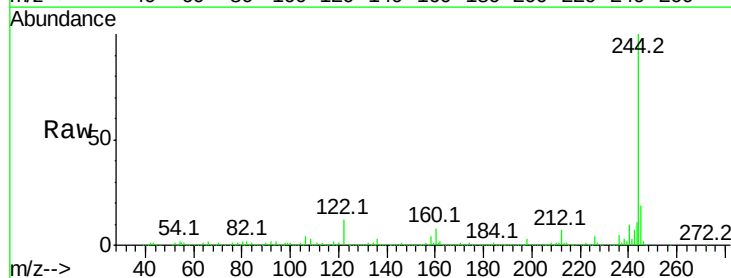
Tgt Ion:244 Resp: 676365

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

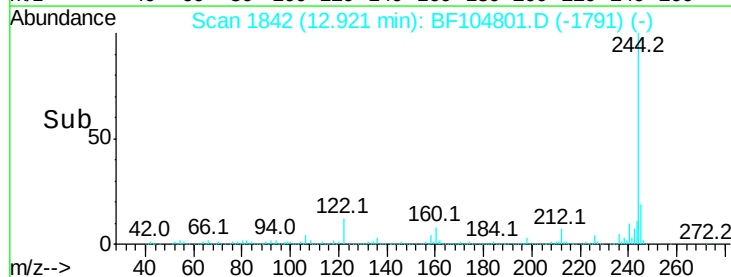
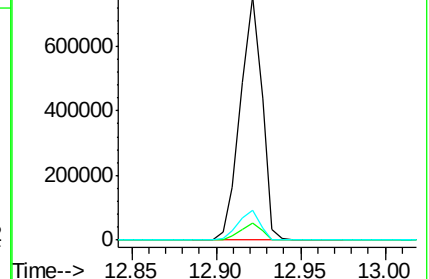
122 12.2 11.0 16.4

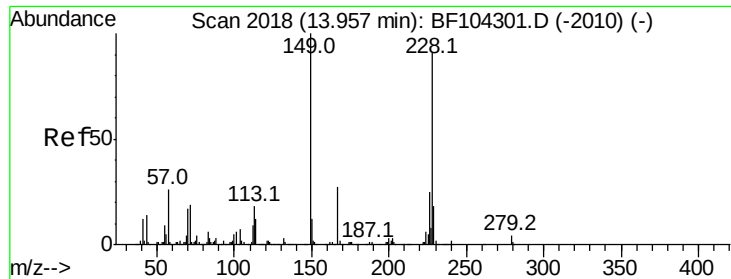


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

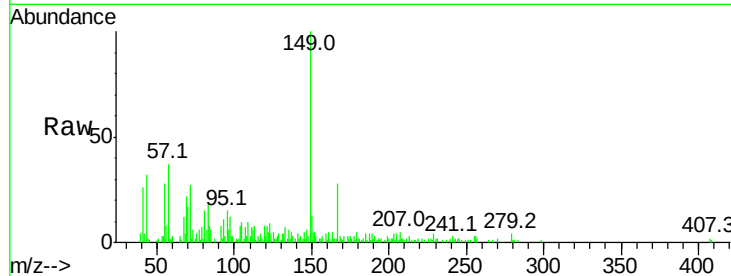




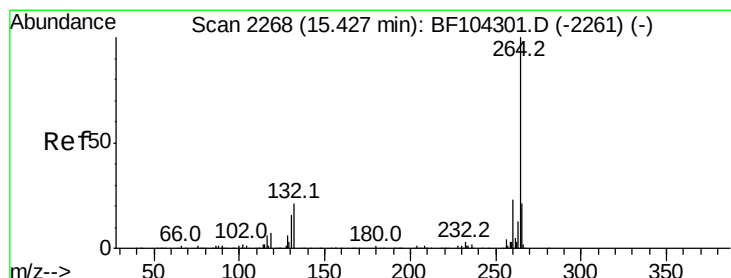
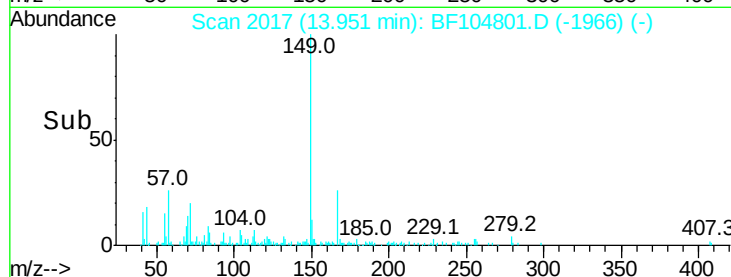
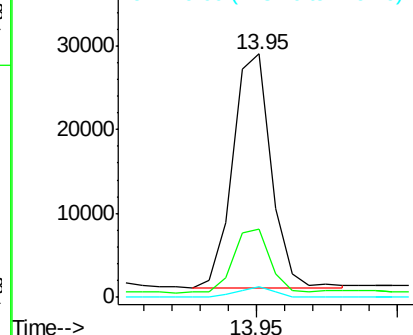
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.869 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. -0.00 min
 Lab File: BF104801.D
 Acq: 25 Apr 2018 20:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
167	28.1	21.3	31.9
279	4.3	3.0	4.4

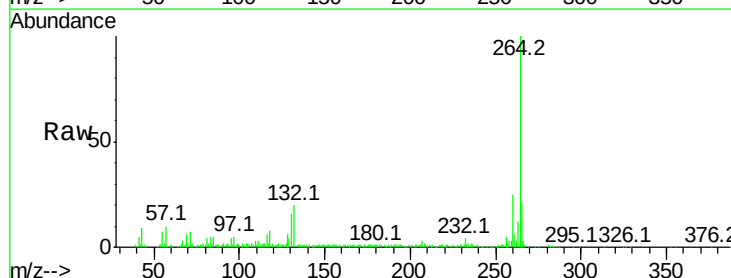


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

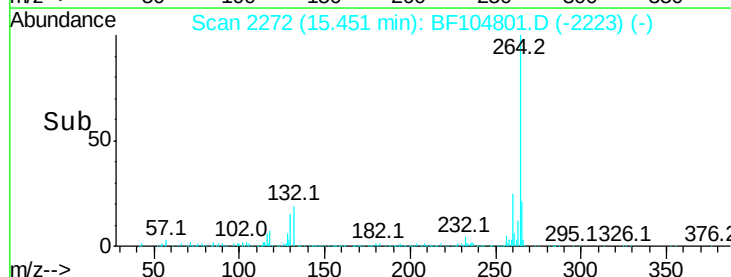
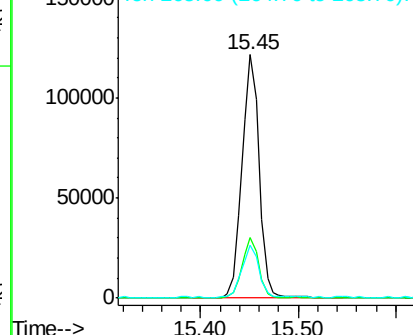


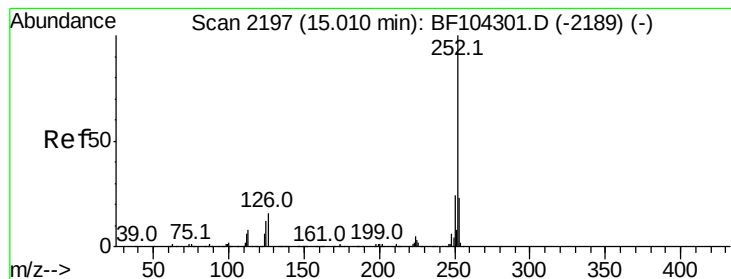
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.45 min Scan# 2272
 Delta R.T. -0.01 min
 Lab File: BF104801.D
 Acq: 25 Apr 2018 20:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	21.5	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: 2.287 ng

RT: 15.03 min Scan# 2200

Delta R.T. -0.01 min

Lab File: BF104801.D

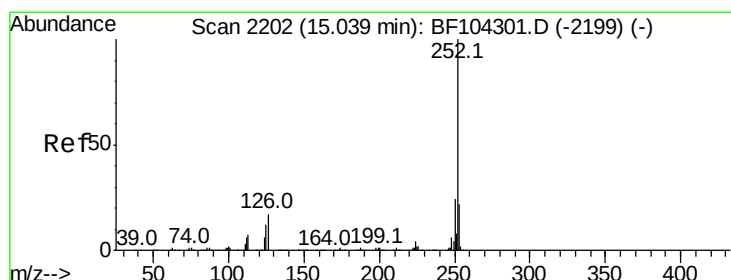
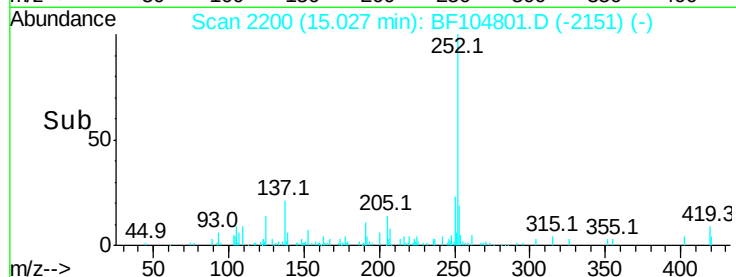
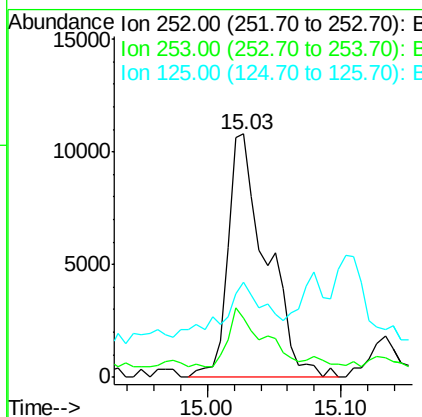
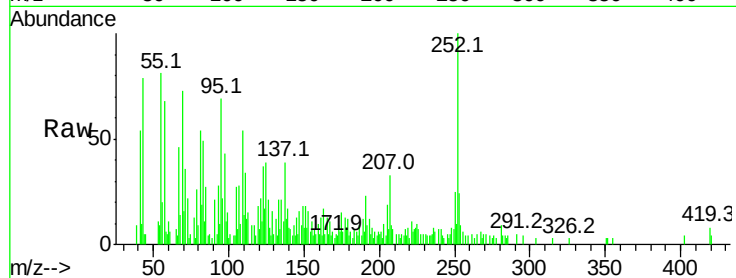
Acq: 25 Apr 2018 20:48

Instrument :

BNA_F

ClientSampled :

Tot Ion:	252	Resp:	21707
Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.0	25.6
125	39.2	9.0	13.6#



#88

Benzo(k)fluoranthene

Concen: 2.423 ng

RT: 15.03 min Scan# 2200

Delta R.T. -0.04 min

Lab File: BF104801.D

Acq: 25 Apr 2018 20:48

Tgt Ion:	252	Resp:	21707
Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	39.2	10.2	15.2#

