

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042418\
 Data File : BF104754.D
 Acq On : 24 Apr 2018 14:19
 Operator : JU/SJ
 Sample : J2503-03RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 24 21:54:35 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	116843	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	498165	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	240817	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	476994	20.00	ng	0.00
75) Chrysene-d12	13.99	240	452711	20.00	ng	0.00
86) Perylene-d12	15.46	264	336079	20.00	ng	0.00

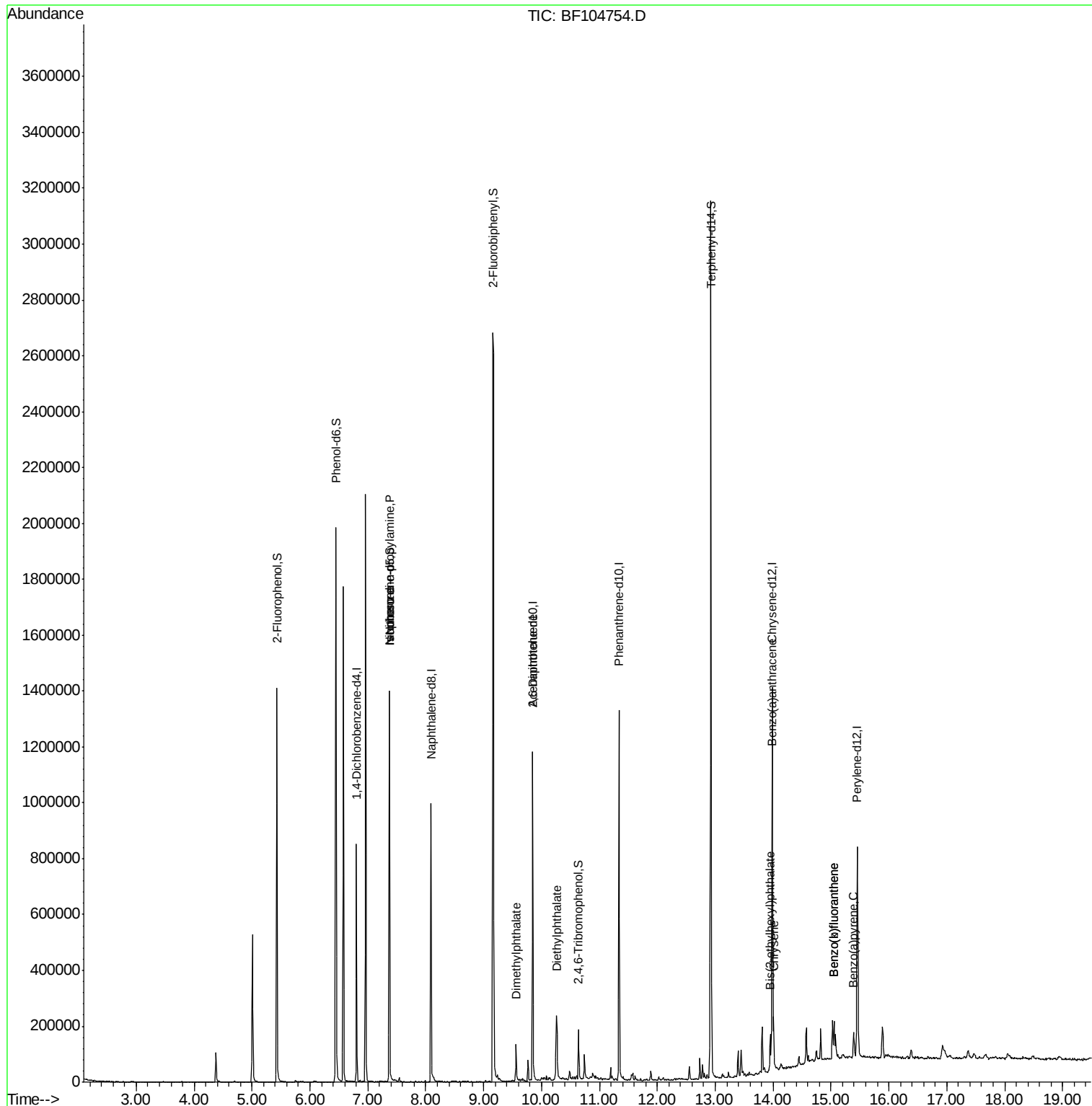
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	395826	51.80	ng	0.01
7) Phenol-d6	6.45	99	750822	79.97	ng	0.00
23) Nitrobenzene-d5	7.37	82	495849	64.99	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	22664	9.07	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	962397	63.13	ng	0.00
78) Terphenyl-d14	12.93	244	1308324	65.89	ng	0.00

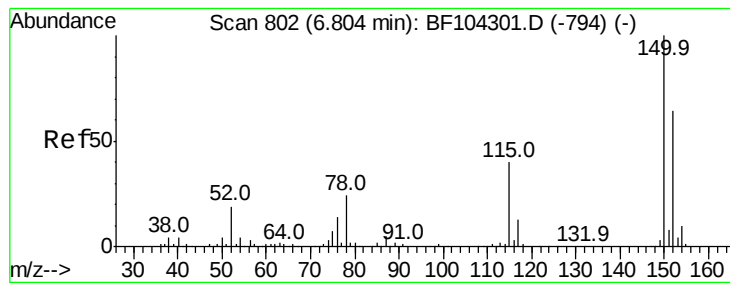
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	1400	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	64966	10.589	ng	# 70
25) Isophorone	7.37	82	495841	30.735	ng	# 64
49) Dimethylphthalate	9.56	163	59712	3.144	ng	# 98
50) 2,6-Dinitrotoluene	9.85	165	30593	8.706	ng	# 26
59) Diethylphthalate	10.26	149	122749	6.490	ng	# 98
76) Benzidine	12.93	184	17230	Below Cal	#	96
80) Benzo(a)anthracene	13.97	228	56479	2.088	ng	# 98
82) Chrysene	14.01	228	65385	2.354	ng	# 96
83) Bis(2-ethylhexyl)phthalate	13.95	149	40837	2.008	ng	# 96
87) Benzo(b)fluoranthene	15.06	252	68932	3.248	ng	# 98
88) Benzo(k)fluoranthene	15.06	252	68932	3.440	ng	# 98
89) Benzo(a)pyrene	15.39	252	48088	2.532	ng	# 97

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

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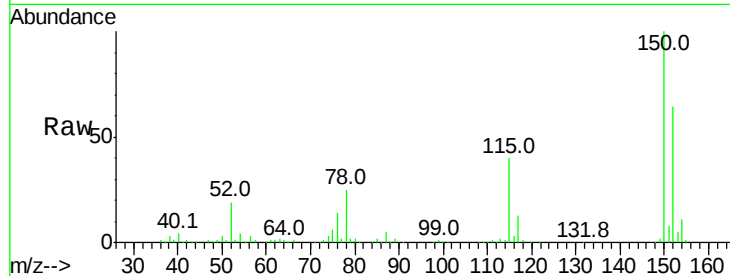


#1

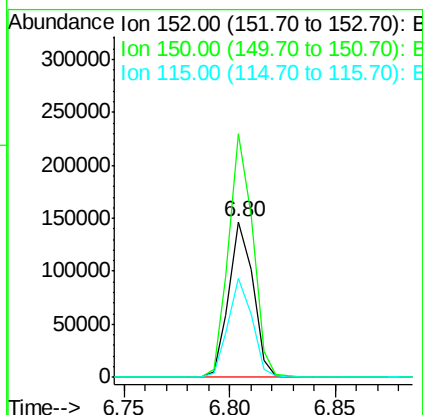
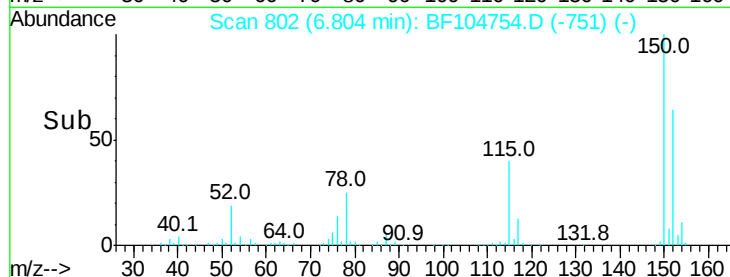
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104754.D
Acq: 24 Apr 2018 14:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 116843
Ion Ratio Lower Upper
152 100
150 156.3 124.6 186.8
115 63.3 50.1 75.1



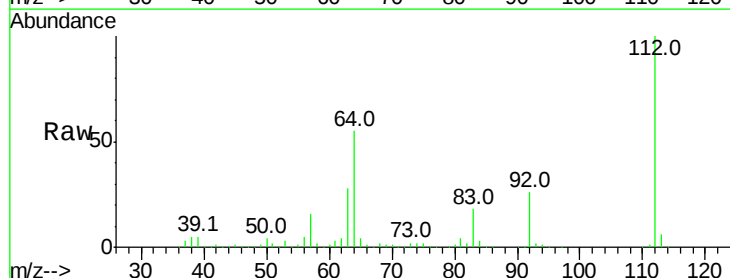
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



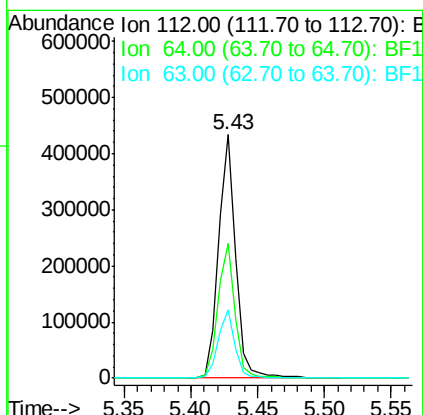
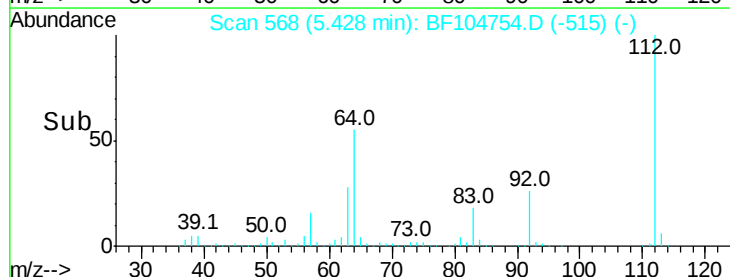
#5

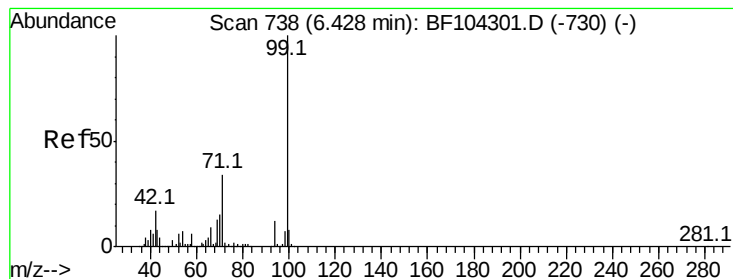
2-Fluorophenol
Concen: 51.799 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104754.D
Acq: 24 Apr 2018 14:19

Tgt Ion:112 Resp: 395826
Ion Ratio Lower Upper
112 100
64 55.4 47.9 71.9
63 27.8 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: 79.969 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF104754.D

Acq: 24 Apr 2018 14:19

Instrument :

BNA_F

ClientSampled :

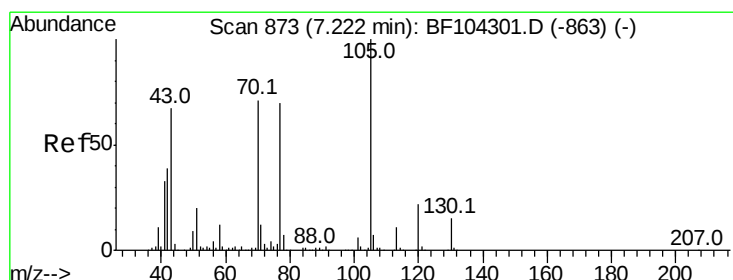
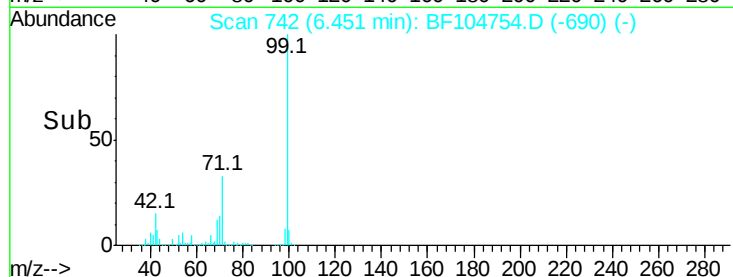
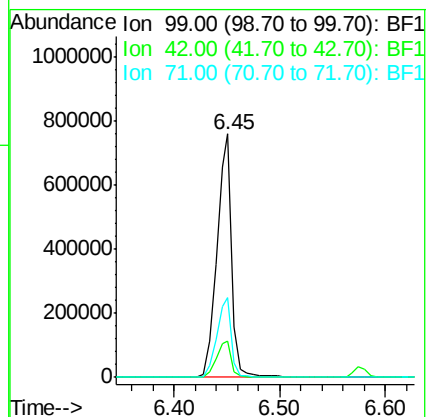
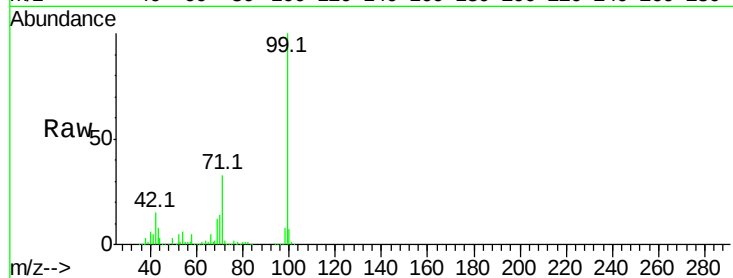
Tot Ion: 99 Resp: 750822

Ion Ratio Lower Upper

99 100

42 14.8 14.5 21.7

71 32.8 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 10.589 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104754.D

Acq: 24 Apr 2018 14:19

Tgt Ion: 70 Resp: 64966

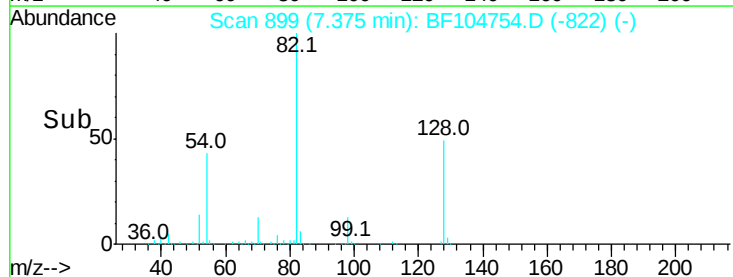
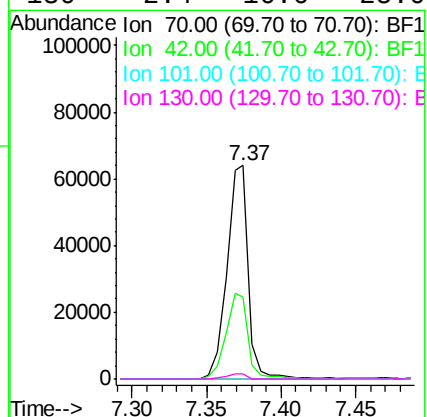
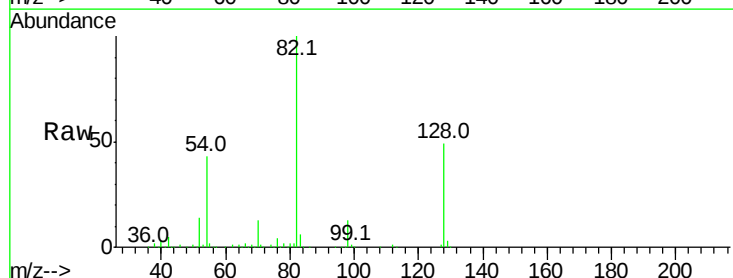
Ion Ratio Lower Upper

70 100

42 38.5 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

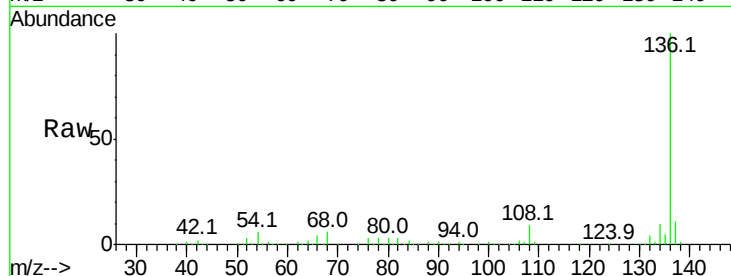




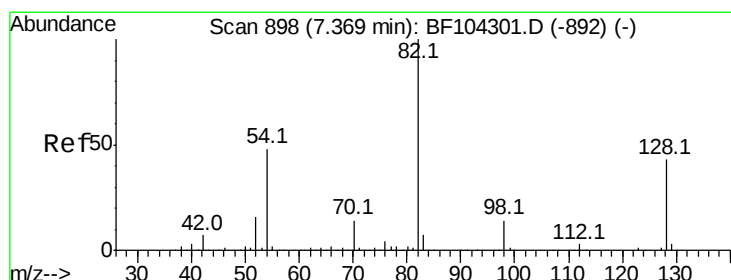
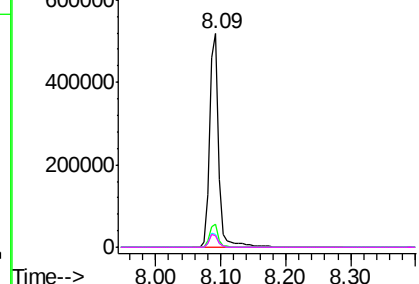
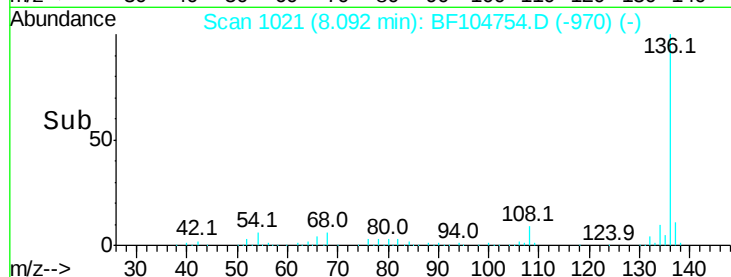
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF104754.D
Acq: 24 Apr 2018 14:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	498165
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	6.1	6.6	9.8#
68	5.7	5.0	7.4

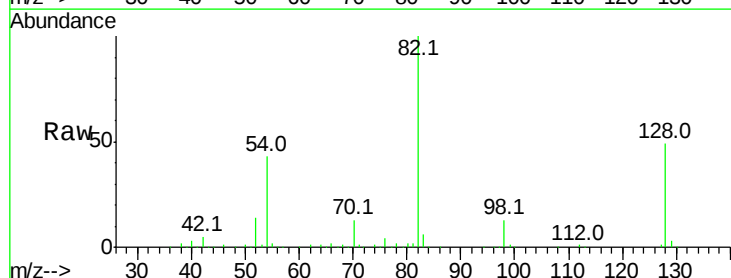


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

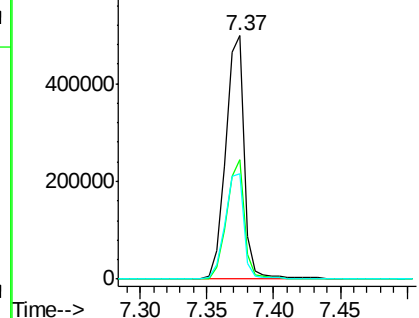
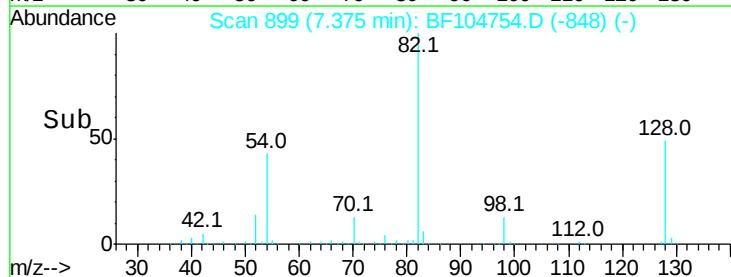


#23
Nitrobenzene-d5
Concen: 64.994 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.00 min
Lab File: BF104754.D
Acq: 24 Apr 2018 14:19

Tgt Ion:	82	Resp:	495849
Ion	Ratio	Lower	Upper
82	100		
128	49.2	36.1	54.1
54	43.1	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: 30.735 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.25 min

Lab File: BF104754.D

Acq: 24 Apr 2018 14:19

Instrument :

BNA_F

ClientSampleId :

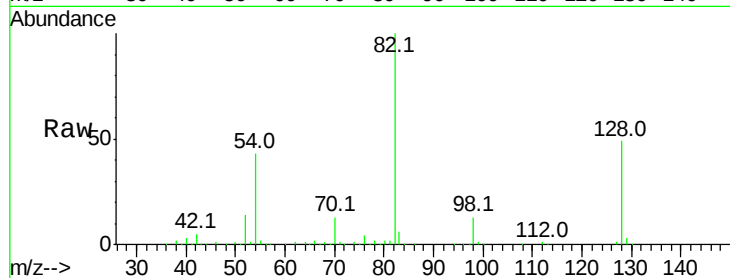
Tot Ion: 82 Resp: 495841

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

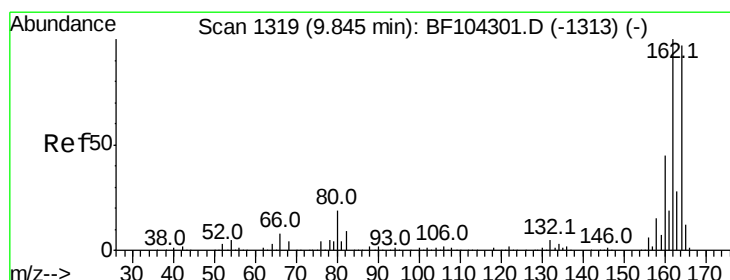
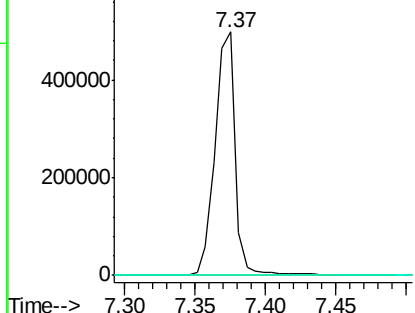
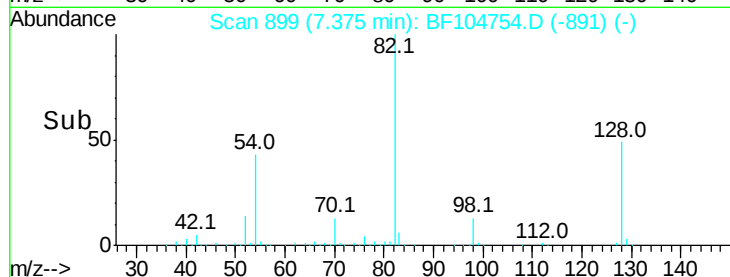
138 0.0 14.9 22.3#



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: BF104754.D

Acq: 24 Apr 2018 14:19

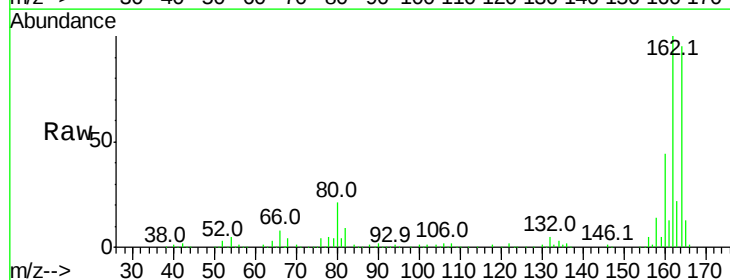
Tgt Ion:164 Resp: 240817

Ion Ratio Lower Upper

164 100

162 105.7 86.1 129.1

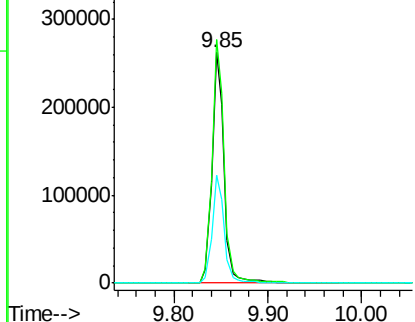
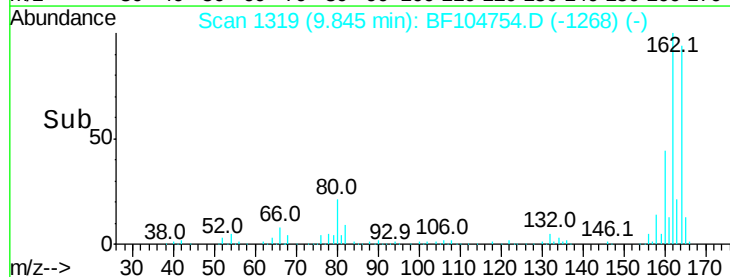
160 46.9 38.3 57.5



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

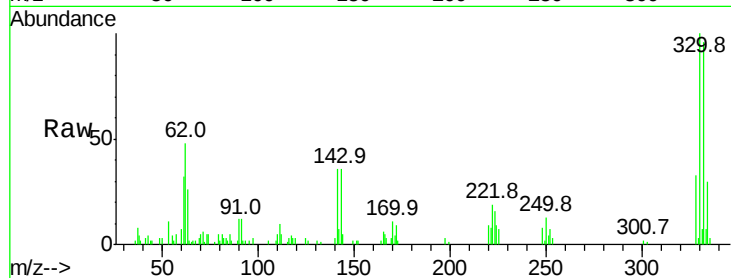




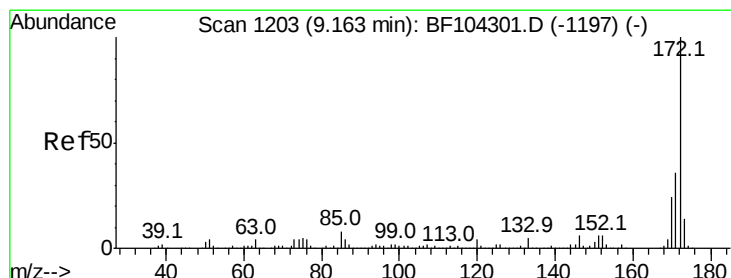
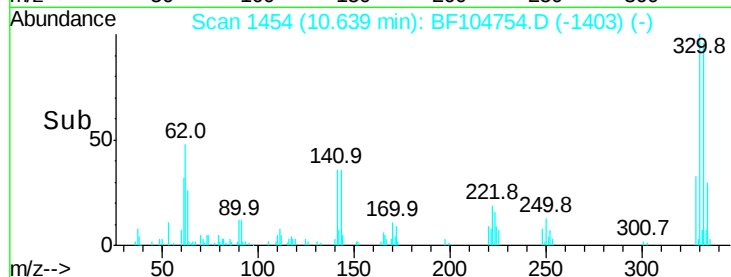
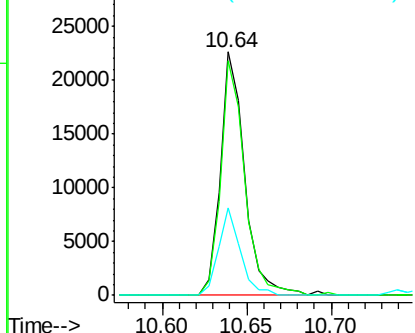
#41
 2,4,6-Tribromophenol
 Concen: 9.073 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.00 min
 Lab File: BF104754.D
 Acq: 24 Apr 2018 14:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 22664
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.0 115.6
 141 32.6 29.9 44.9

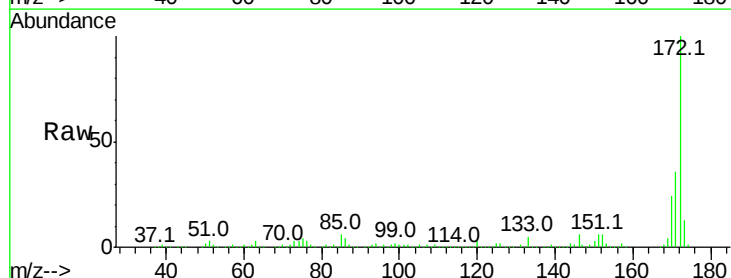


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

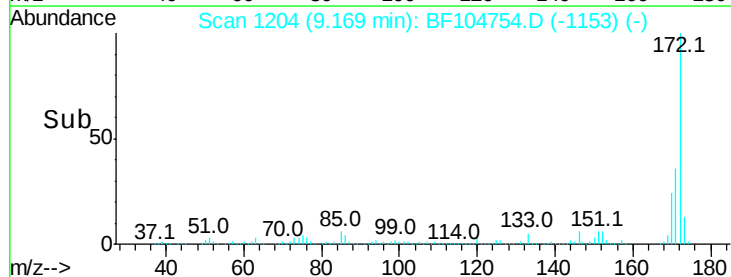
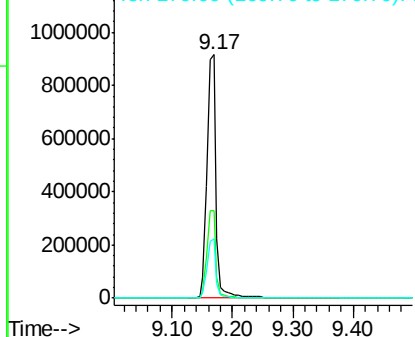


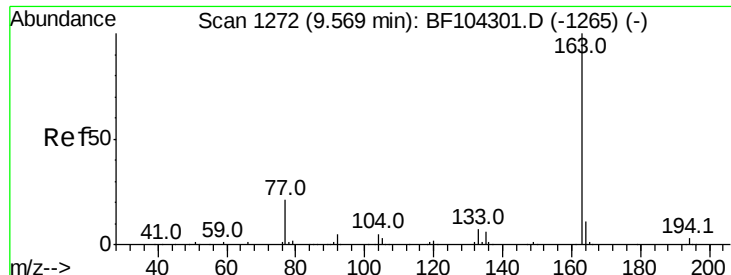
#44
 2-Fluorobiphenyl
 Concen: 63.133 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF104754.D
 Acq: 24 Apr 2018 14:19

Tgt Ion:172 Resp: 962397
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.7 44.5
 170 24.3 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

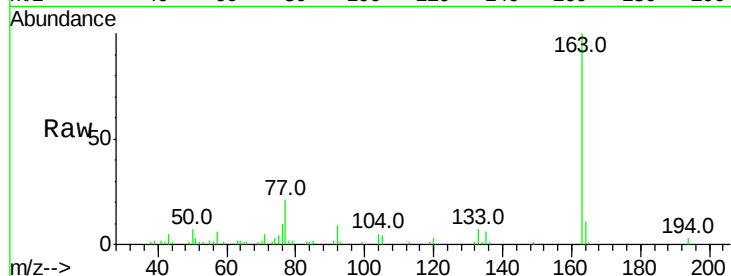




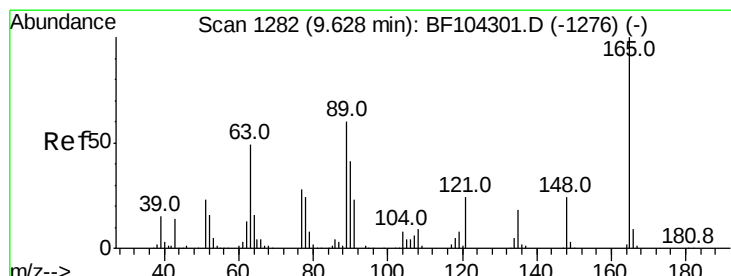
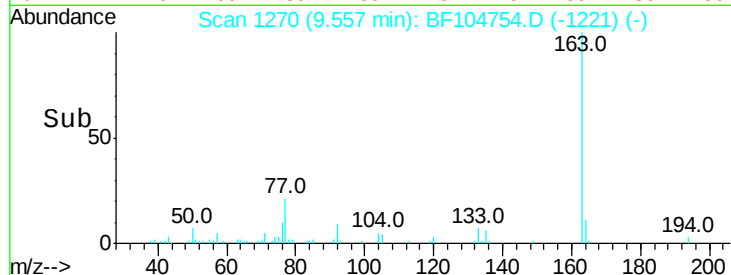
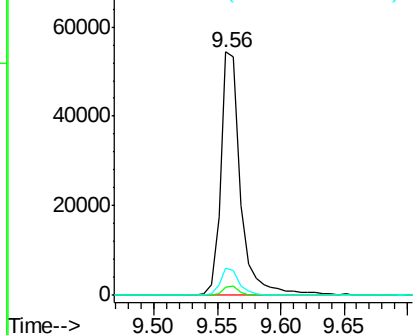
#49
 Dimethylphthalate
 Concen: 3.144 ng
 RT: 9.56 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: BF104754.D
 Acq: 24 Apr 2018 14:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:163	Resp:	59712
Ion Ratio	Lower	Upper
163	100	
194	3.5	2.7 4.1
164	11.2	8.2 12.2

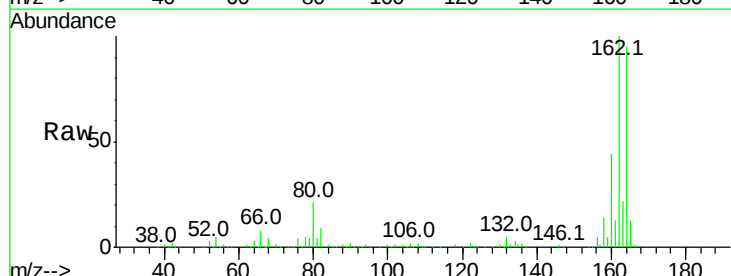


Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

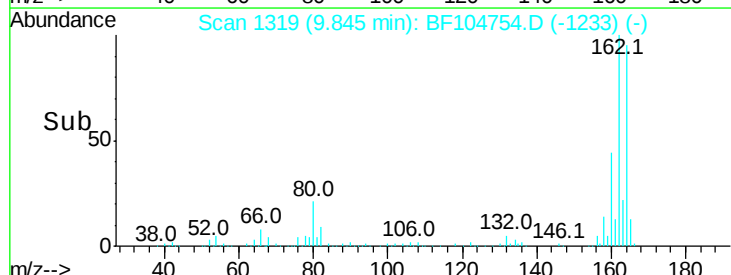
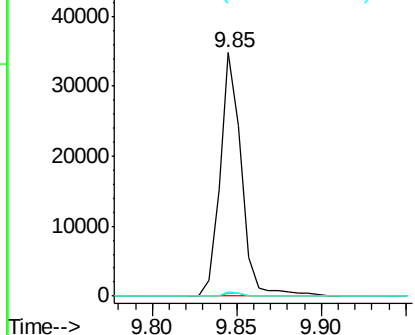


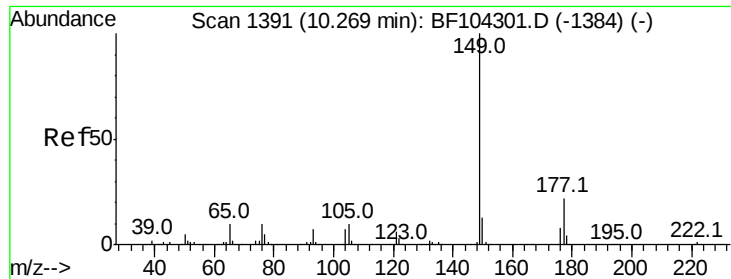
#50
 2,6-Dinitrotoluene
 Concen: 8.706 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.21 min
 Lab File: BF104754.D
 Acq: 24 Apr 2018 14:19

Tgt Ion:165	Resp:	30593
Ion Ratio	Lower	Upper
165	100	
63	1.0	44.7 67.1#
89	1.8	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

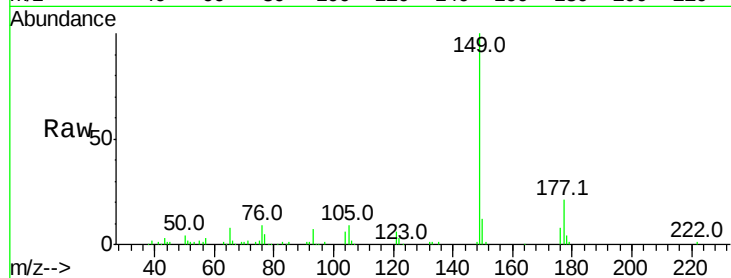




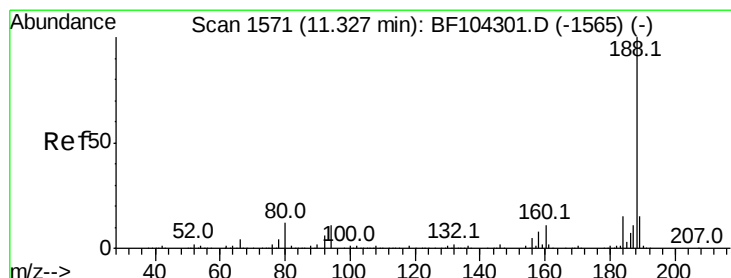
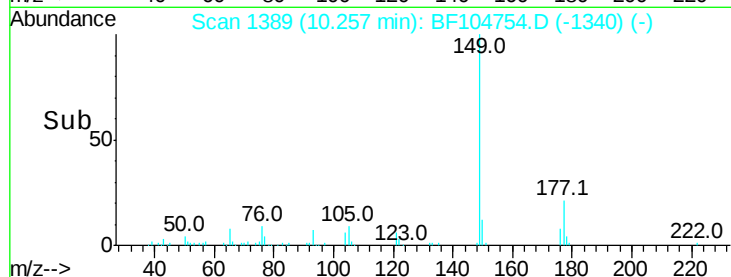
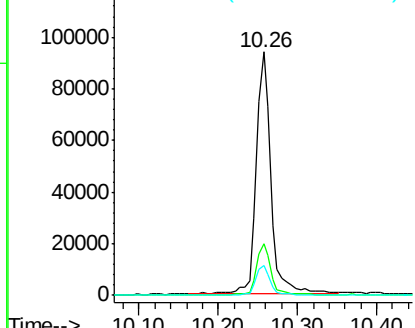
#59
Diethylphthalate
Concen: 6.490 ng
RT: 10.26 min Scan# 1389
Delta R.T. -0.01 min
Lab File: BF104754.D
Acq: 24 Apr 2018 14:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 122749
Ion Ratio Lower Upper
149 100
177 21.3 16.1 24.1
150 12.4 10.1 15.1

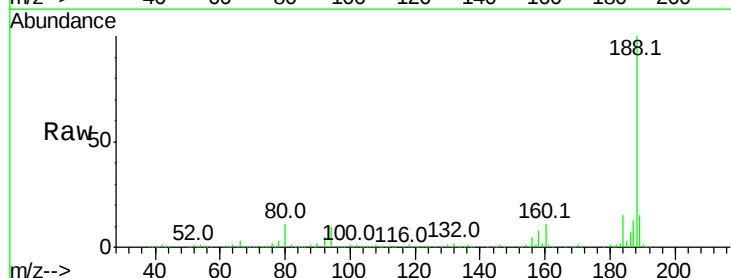


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

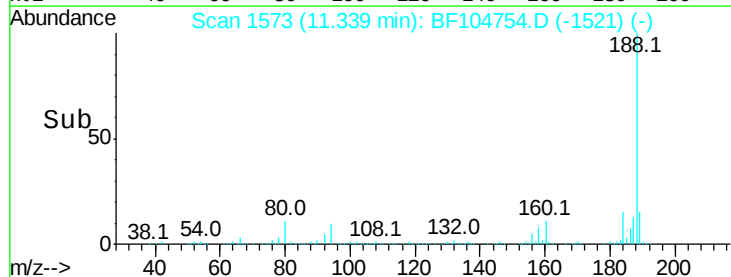
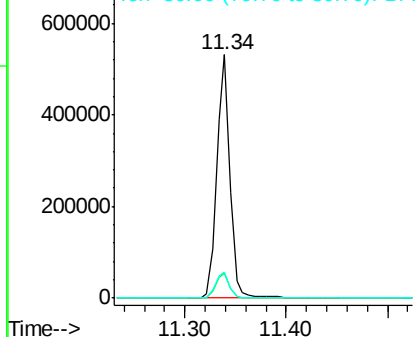


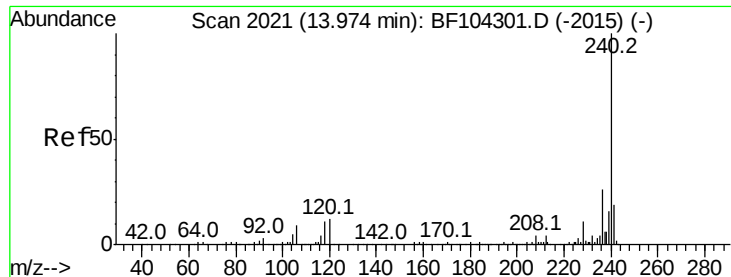
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.01 min
Lab File: BF104754.D
Acq: 24 Apr 2018 14:19

Tgt Ion:188 Resp: 476994
Ion Ratio Lower Upper
188 100
94 10.2 8.5 12.7
80 10.8 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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BF104754.D

Acq: 24 Apr 2018 14:19

Instrument :

BNA_F

ClientSampleId :

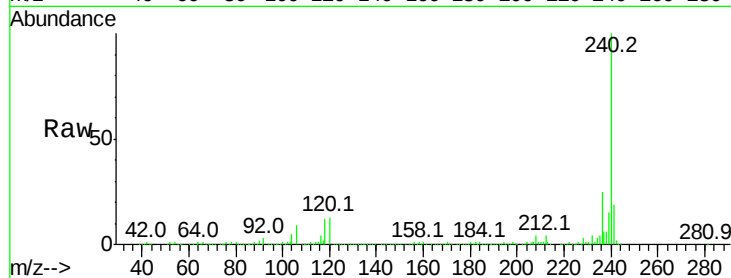
Tot Ion:240 Resp: 452711

Ion Ratio Lower Upper

240 100

120 13.3 9.5 14.3

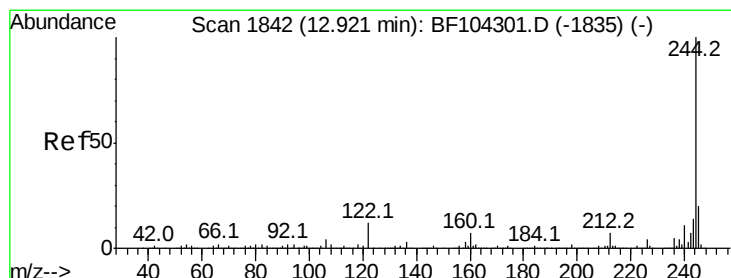
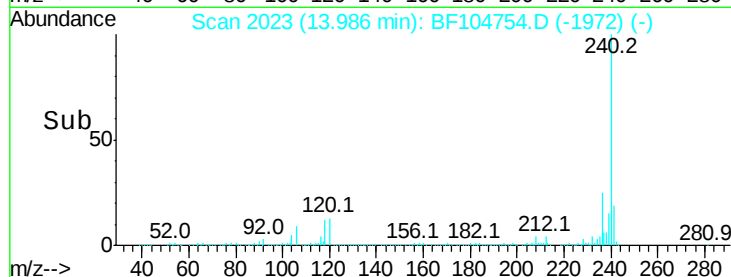
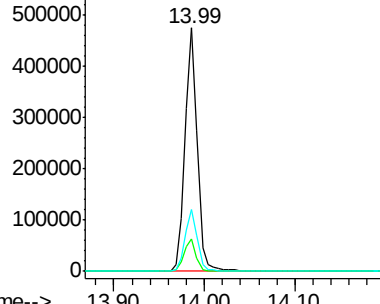
236 25.5 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 65.887 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF104754.D

Acq: 24 Apr 2018 14:19

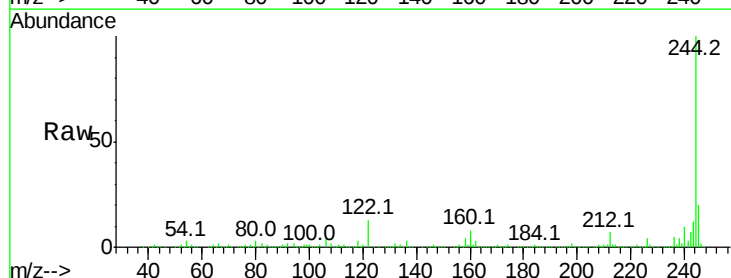
Tgt Ion:244 Resp: 1308324

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

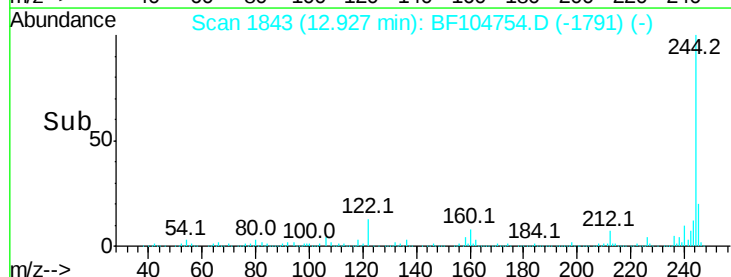
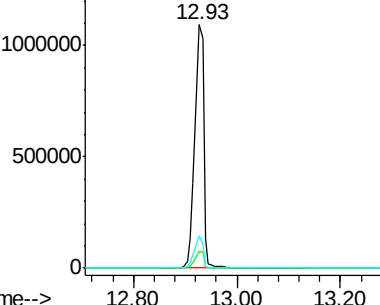
122 13.1 11.0 16.4

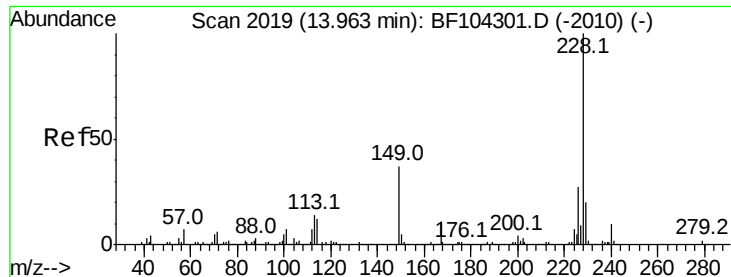


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

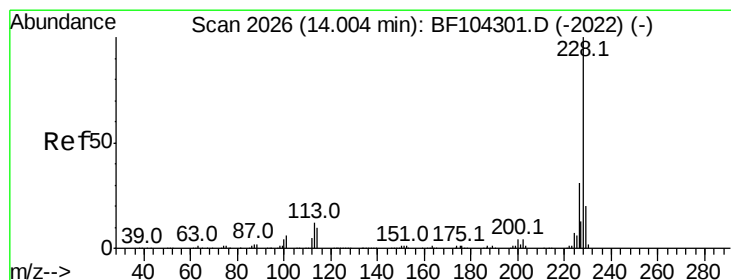
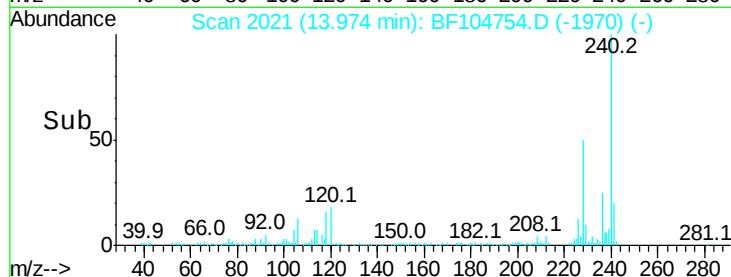
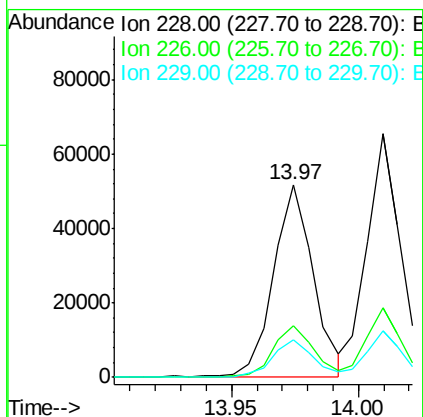
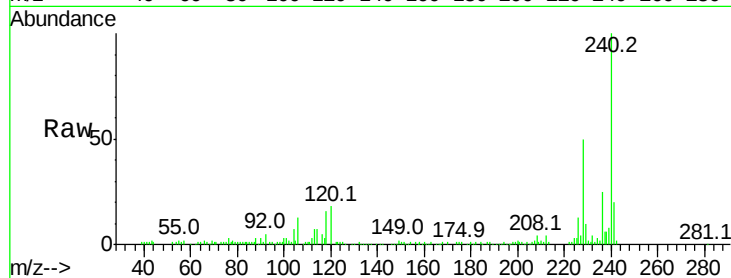




#80
Benzo(a)anthracene
Concen: 2.088 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.00 min
Lab File: BF104754.D
Acq: 24 Apr 2018 14:19

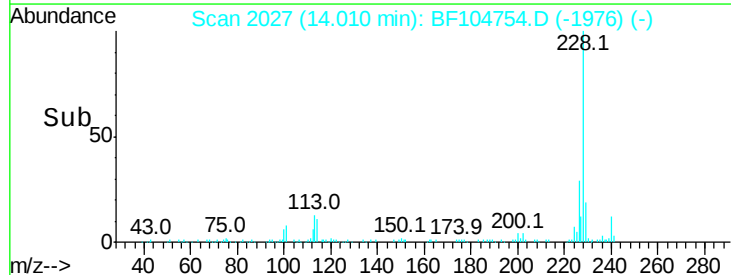
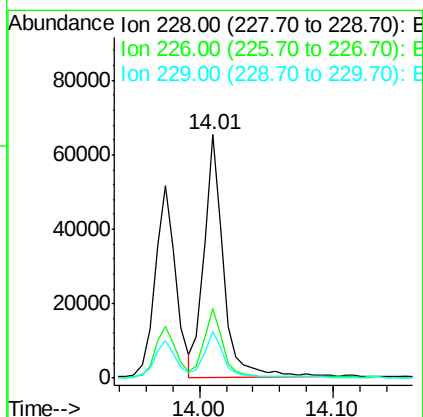
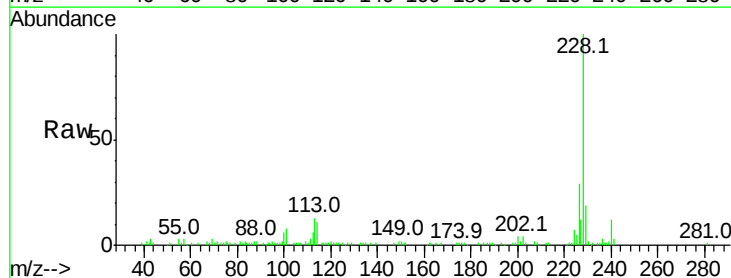
Instrument :
BNA_F
ClientSampleId :

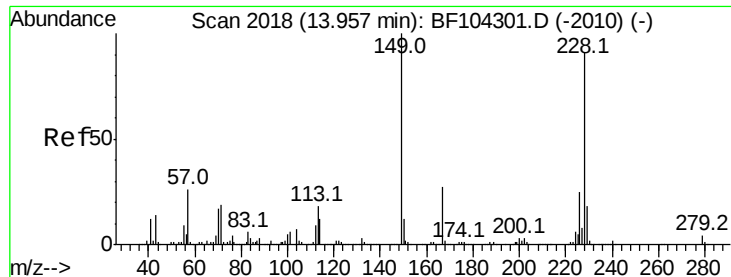
Tot Ion:228 Resp: 56479
Ion Ratio Lower Upper
228 100
226 26.7 22.6 33.8
229 19.3 15.8 23.6



#82
Chrysene
Concen: 2.354 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BF104754.D
Acq: 24 Apr 2018 14:19

Tgt Ion:228 Resp: 65385
Ion Ratio Lower Upper
228 100
226 28.7 25.0 37.6
229 19.3 16.2 24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.008 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BF104754.D

Acq: 24 Apr 2018 14:19

Instrument :

BNA_F

ClientSampleId :

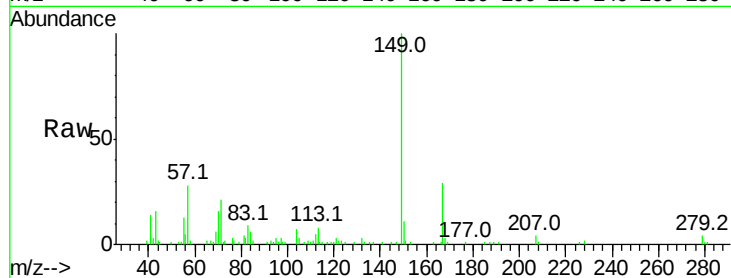
Tot Ion:149 Resp: 40837

Ion Ratio Lower Upper

149 100

167 28.8 21.3 31.9

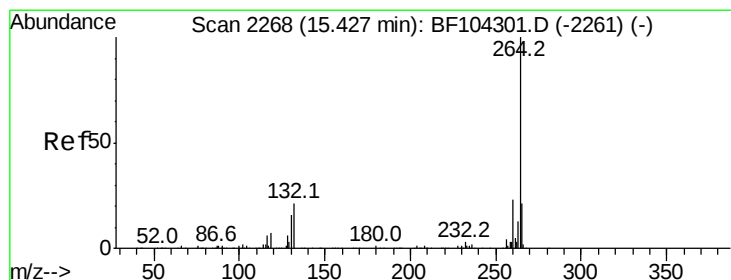
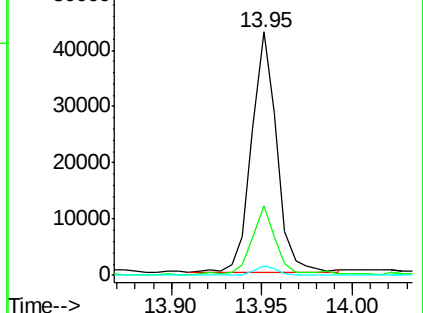
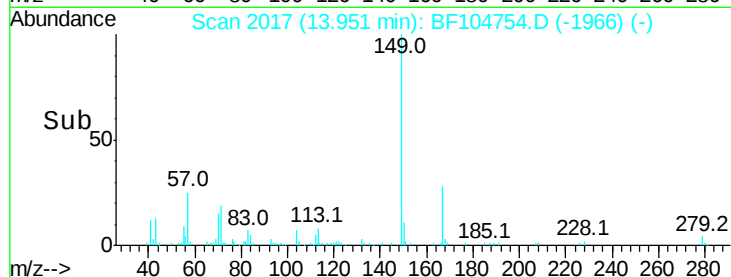
279 3.7 3.0 4.4



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: 15.46 min Scan# 2273

Delta R.T. 0.01 min

Lab File: BF104754.D

Acq: 24 Apr 2018 14:19

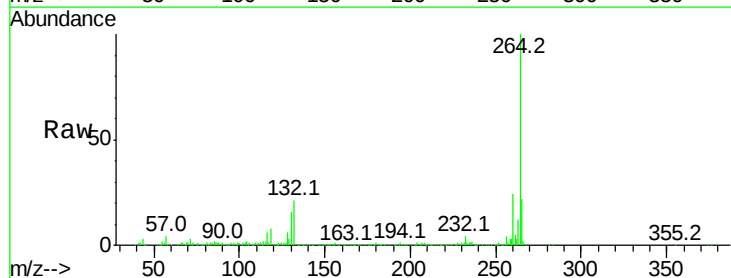
Tgt Ion:264 Resp: 336079

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

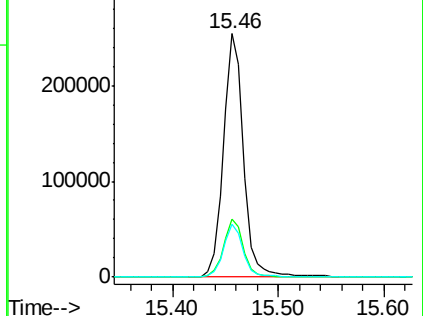
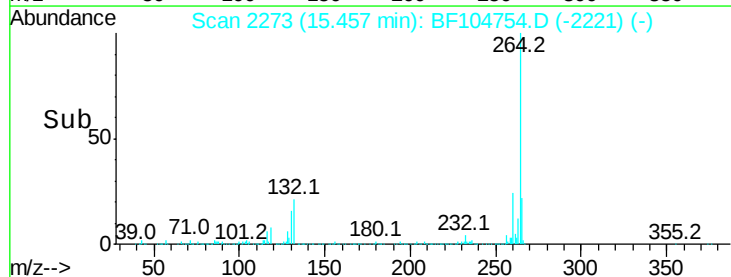
265 21.5 17.5 26.3

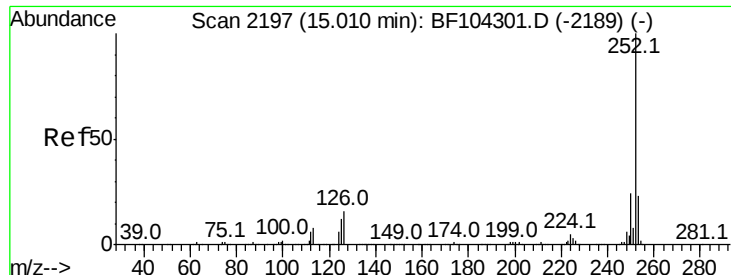


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

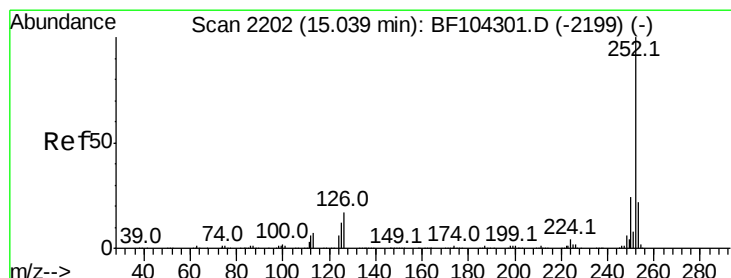
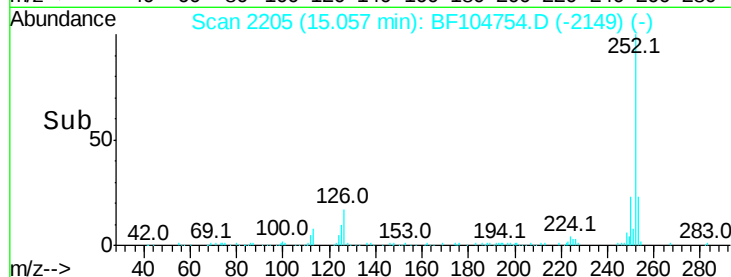
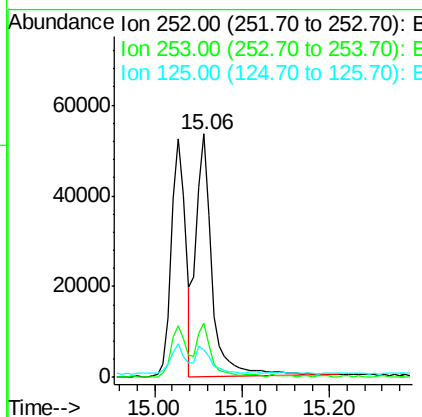
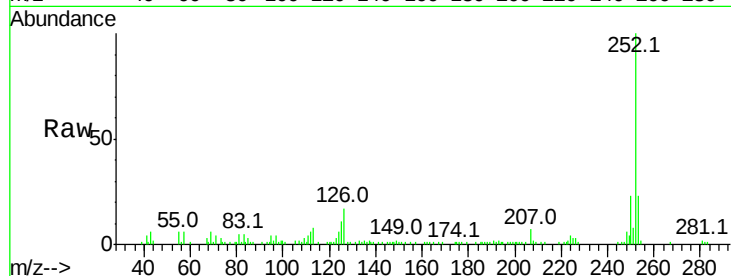




#87
Benzo(b)fluoranthene
Concen: 3.248 ng
RT: 15.06 min Scan# 2205
Delta R.T. 0.03 min
Lab File: BF104754.D
Acq: 24 Apr 2018 14:19

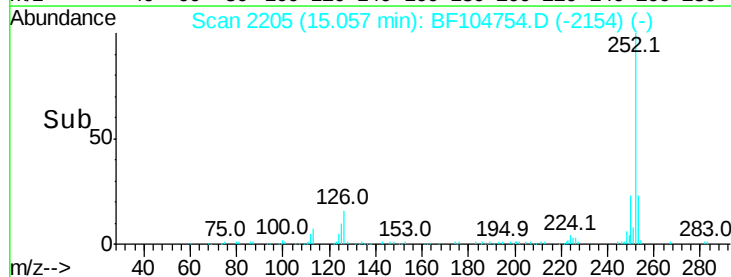
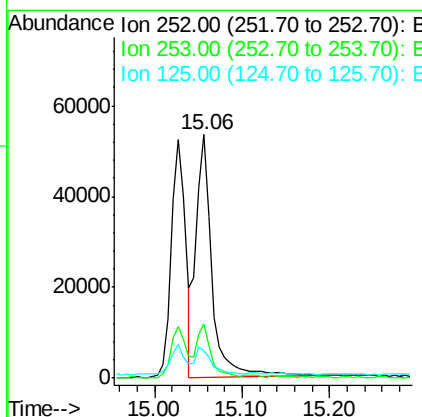
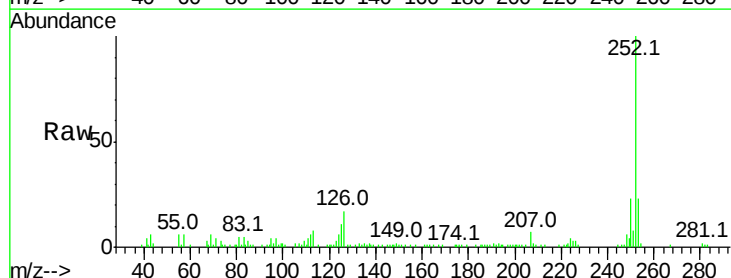
Instrument :
BNA_F
ClientSampleId :

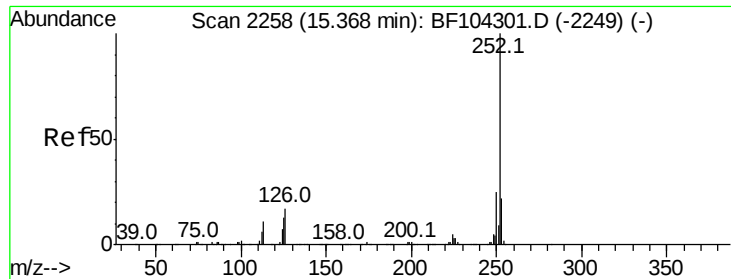
Tot Ion:252 Resp: 68932
Ion Ratio Lower Upper
252 100
253 22.5 17.0 25.6
125 11.1 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 3.440 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.00 min
Lab File: BF104754.D
Acq: 24 Apr 2018 14:19

Tgt Ion:252 Resp: 68932
Ion Ratio Lower Upper
252 100
253 22.5 17.9 26.9
125 11.1 10.2 15.2





#89

Benzo(a)pyrene

Concen: 2.532 ng

RT: 15.39 min Scan# 2262

Delta R.T. -0.00 min

Lab File: BF104754.D

Acq: 24 Apr 2018 14:19

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 48088

Ion Ratio Lower Upper

252 100

253 21.8 17.1 25.7

125 14.9 9.8 14.6

