

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032918\
 Data File : BF104052.D
 Acq On : 29 Mar 2018 15:49
 Operator : JU/SJ
 Sample : J2120-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 29 16:30:08 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 28 13:41:47 2018
 Response via : Initial Calibration

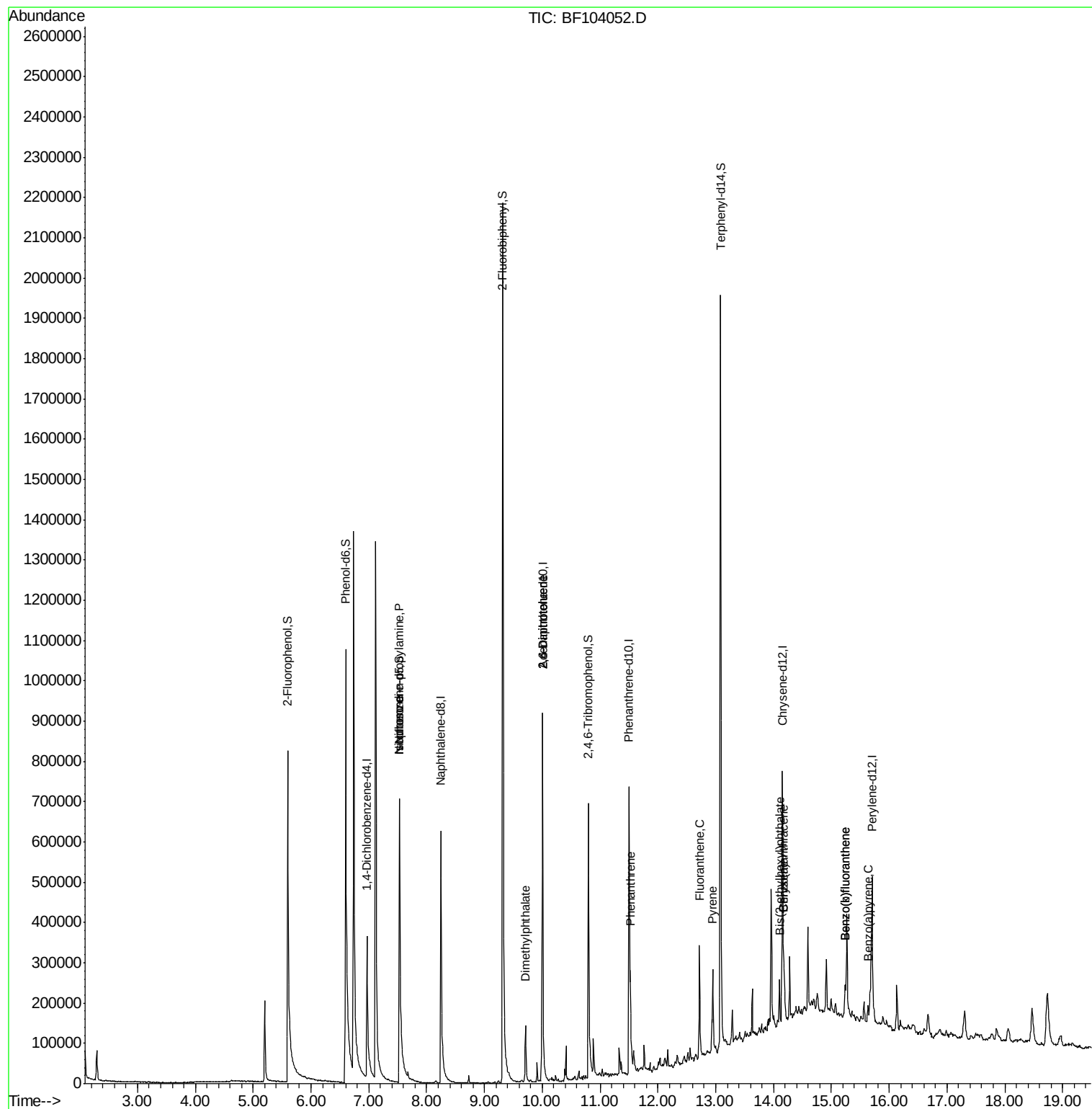
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	111097	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	471108	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	220802	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	367356	20.00	ng	0.00
75) Chrysene-d12	14.16	240	240964	20.00	ng	0.00
86) Perylene-d12	15.70	264	223326	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	517859	74.34	ng	0.00
7) Phenol-d6	6.60	99	779783	90.98	ng	0.00
23) Nitrobenzene-d5	7.53	82	472468	61.33	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	125901	51.21	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	952682	68.04	ng	0.00
78) Terphenyl-d14	13.09	244	769951	73.78	ng	0.00
Target Compounds						
9) Benzaldehyde	6.60	77	1217	Below Cal		Qvalue # 1
19) n-Nitroso-di-n-propylamine	7.53	70	56186	11.046	ng	# 74
25) Isophorone	7.53	82	472468	33.280	ng	# 64
49) Dimethylphthalate	9.71	163	80187	4.600	ng	# 99
50) 2,6-Dinitrotoluene	10.00	165	27567	7.350	ng	# 26
56) 2,4-Dinitrotoluene	10.00	165	27567	5.760	ng	# 23
70) Phenanthrene	11.53	178	86452	4.347	ng	# 98
74) Fluoranthene	12.72	202	152537	7.215	ng	# 95
77) Pyrene	12.95	202	103103	5.952	ng	# 98
80) Benzo(a)anthracene	14.18	228	57182	3.793	ng	# 98
82) Chrysene	14.18	228	57182	3.872	ng	# 96
83) Bis(2-ethylhexyl)phthalate	14.10	149	33001	3.130	ng	# 99
87) Benzo(b)fluoranthene	15.24	252	70044	5.154	ng	# 89
88) Benzo(k)fluoranthene	15.24	252	70044	5.471	ng	# 91
89) Benzo(a)pyrene	15.63	252	25585	2.031	ng	# 90

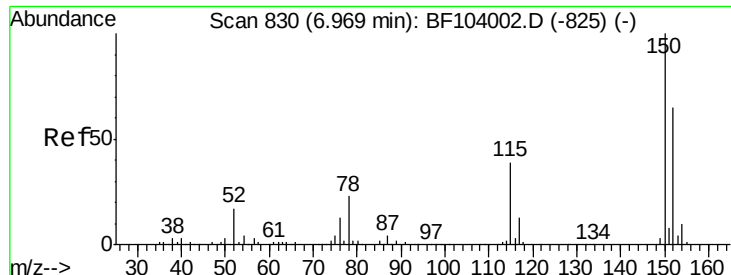
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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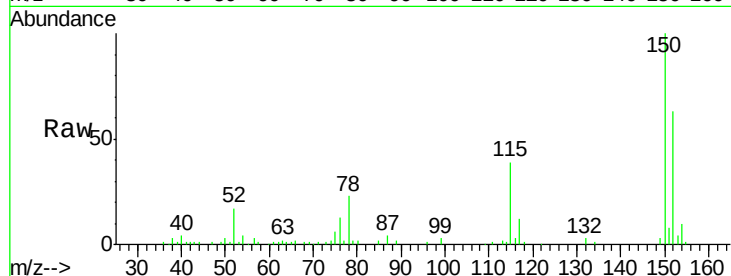


#1

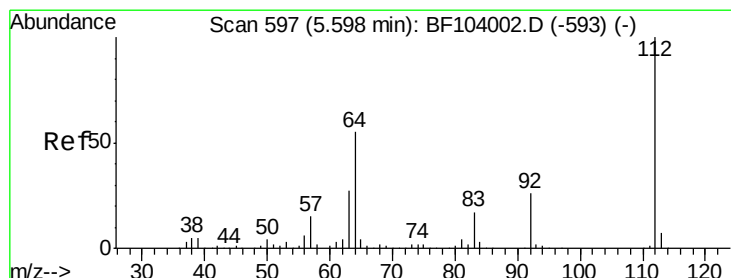
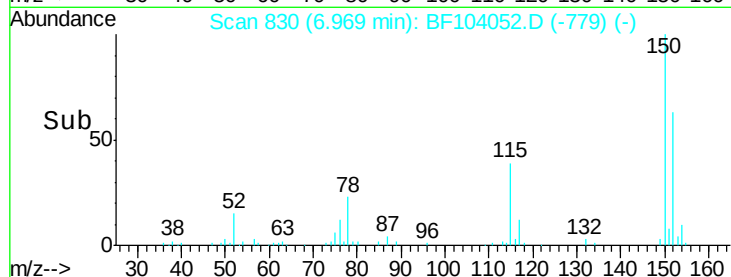
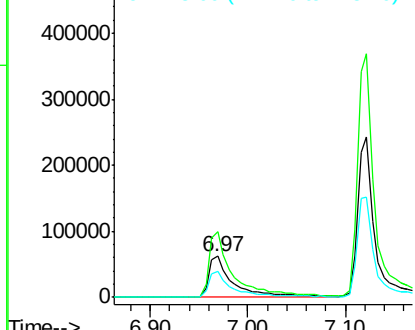
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF104052.D
Acq: 29 Mar 2018 15:49

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 111097
Ion Ratio Lower Upper
152 100
150 159.1 124.6 186.8
115 62.0 50.1 75.1



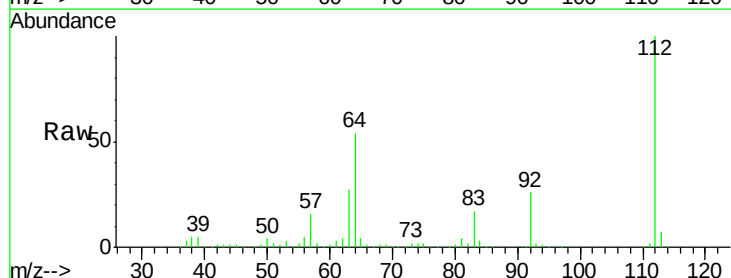
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



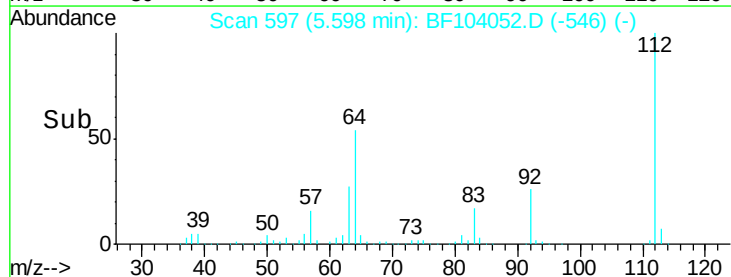
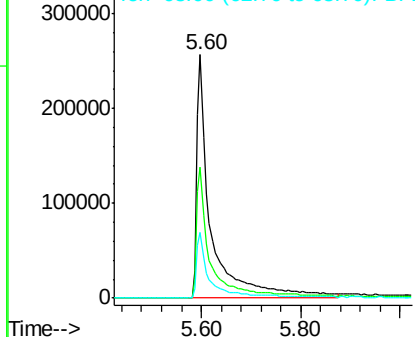
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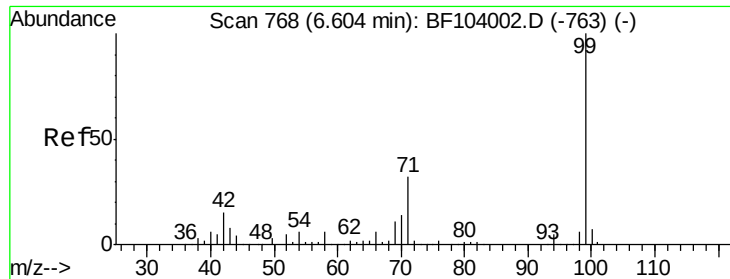
2-Fluorophenol
Concen: 74.336 ng
RT: 5.60 min Scan# 597
Delta R.T. -0.00 min
Lab File: BF104052.D
Acq: 29 Mar 2018 15:49

Tgt Ion:112 Resp: 517859
Ion Ratio Lower Upper
112 100
64 53.6 47.9 71.9
63 26.8 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 90.981 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF104052.D

Acq: 29 Mar 2018 15:49

Instrument :

BNA_F

ClientSampleId :

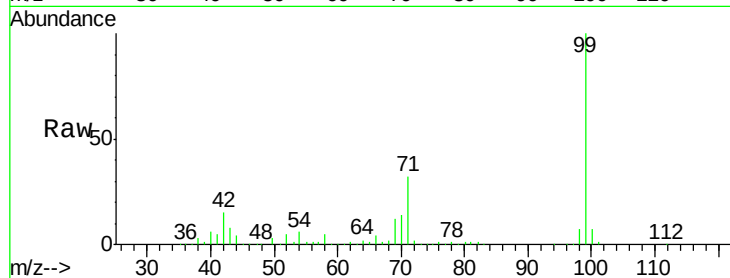
Tot Ion: 99 Resp: 779783

Ion Ratio Lower Upper

99 100

42 14.9 14.5 21.7

71 31.9 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1

500000

400000

300000

200000

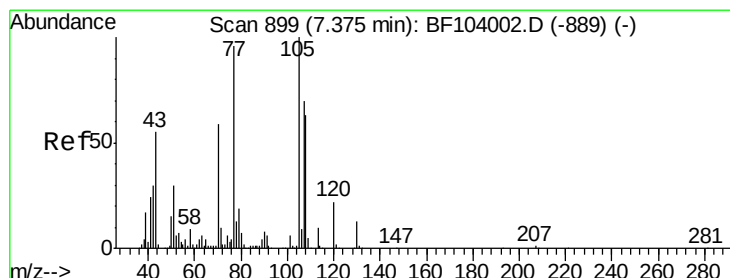
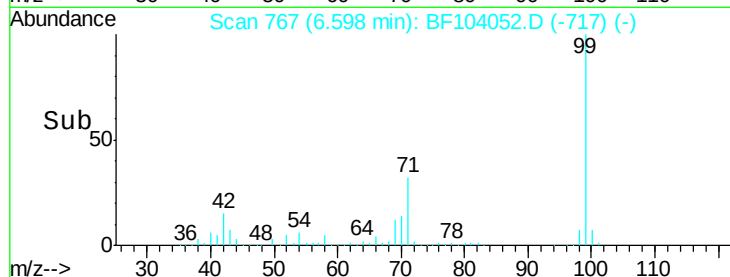
100000

0

6.60

6.80

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 11.046 ng

RT: 7.53 min Scan# 925

Delta R.T. 0.15 min

Lab File: BF104052.D

Acq: 29 Mar 2018 15:49

Tgt Ion: 70 Resp: 56186

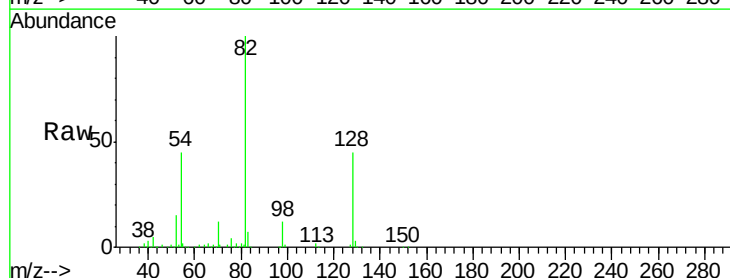
Ion Ratio Lower Upper

70 100

42 43.5 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

50000

40000

30000

20000

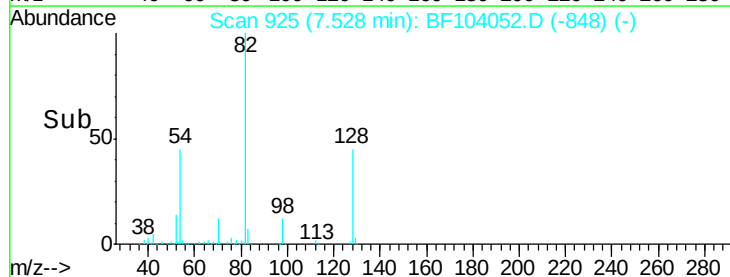
10000

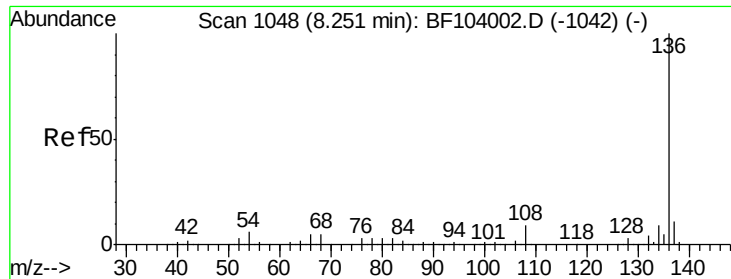
0

7.53

7.60

Time-->

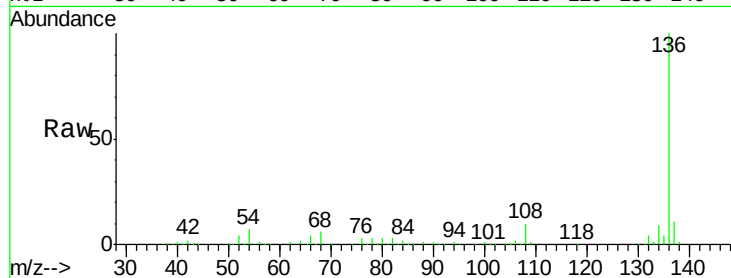




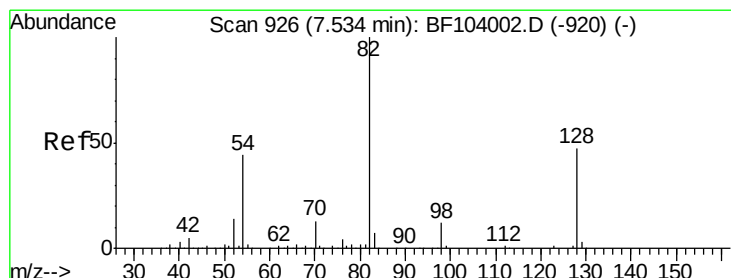
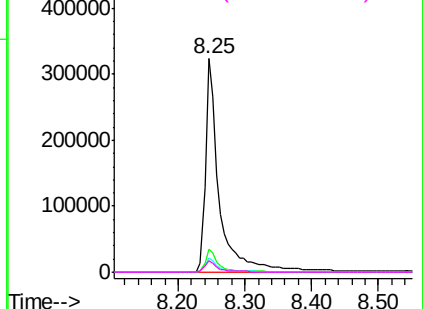
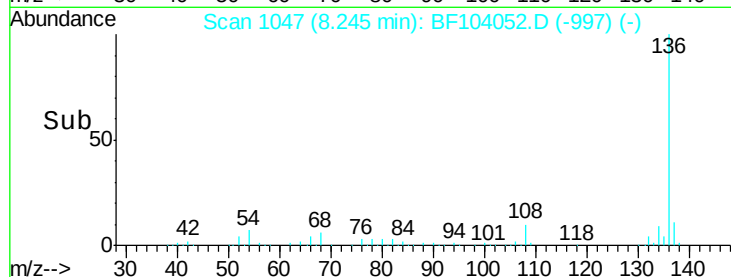
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BF104052.D
Acq: 29 Mar 2018 15:49

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	471108
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.9 13.3
54	6.8	6.6 9.8
68	5.7	5.0 7.4

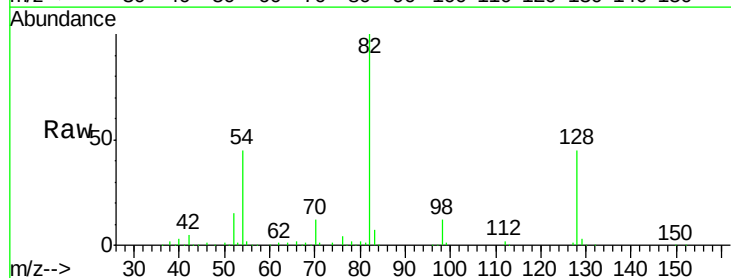


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

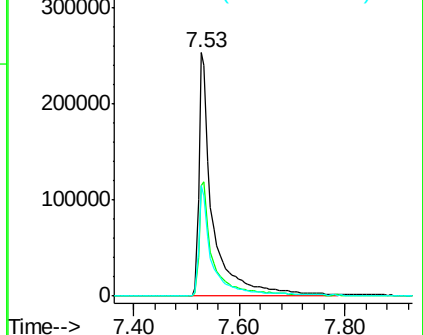
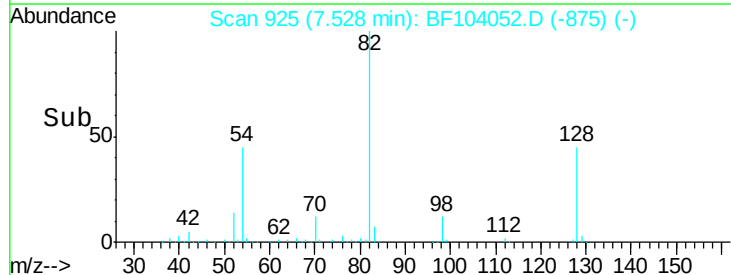


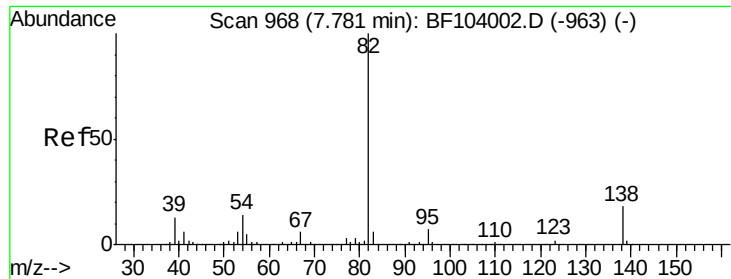
#23
Nitrobenzene-d5
Concen: 61.332 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.01 min
Lab File: BF104052.D
Acq: 29 Mar 2018 15:49

Tgt Ion: 82	Resp:	472468
Ion Ratio	Lower	Upper
82	100	
128	45.2	36.1 54.1
54	45.2	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

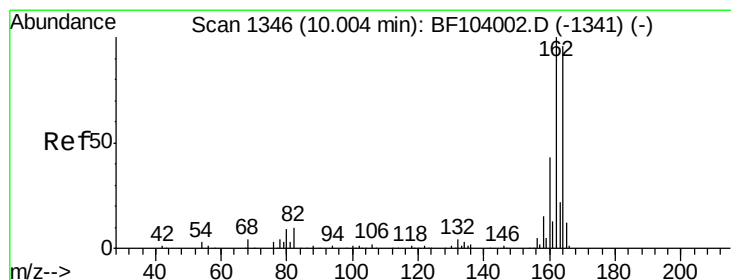
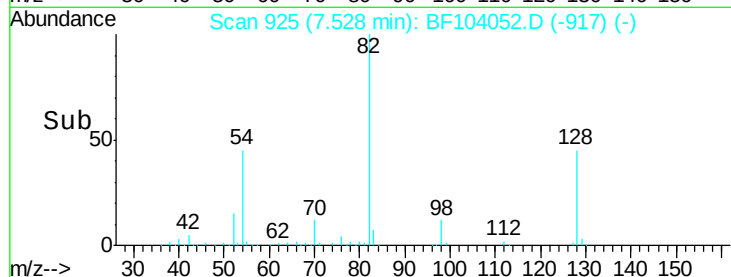
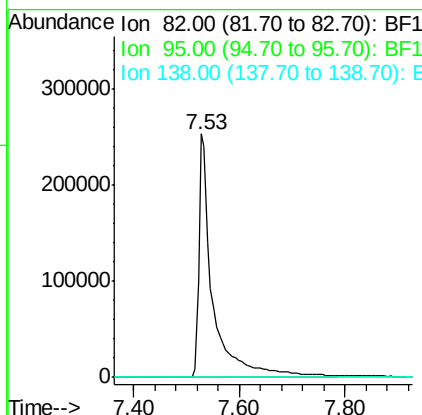
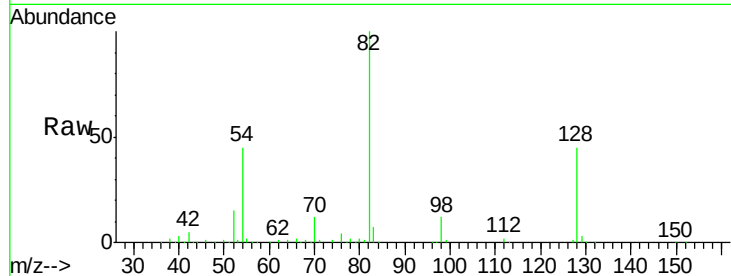




#25
Isophorone
Concen: 33.280 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.25 min
Lab File: BF104052.D
Acq: 29 Mar 2018 15:49

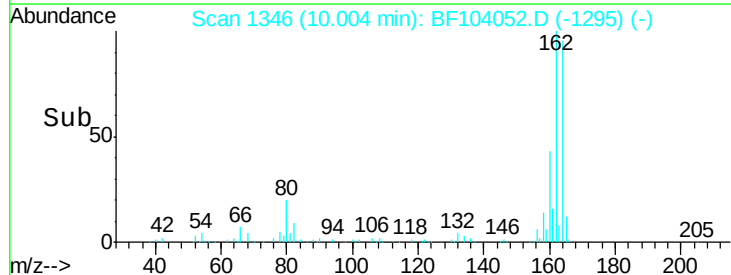
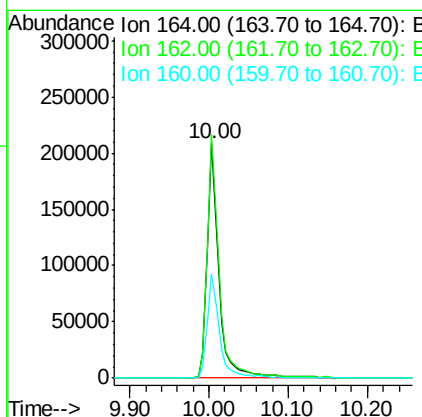
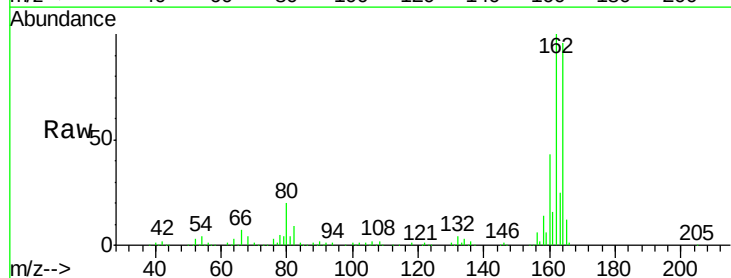
Instrument :
BNA_F
ClientSampleId :

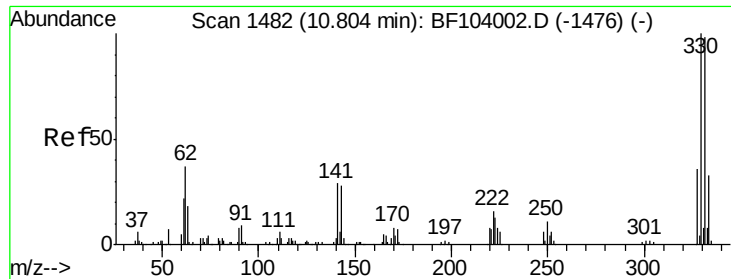
Tot Ion: 82 Resp: 472468
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.00 min
Lab File: BF104052.D
Acq: 29 Mar 2018 15:49

Tgt Ion:164 Resp: 220802
Ion Ratio Lower Upper
164 100
162 104.0 86.1 129.1
160 44.3 38.3 57.5

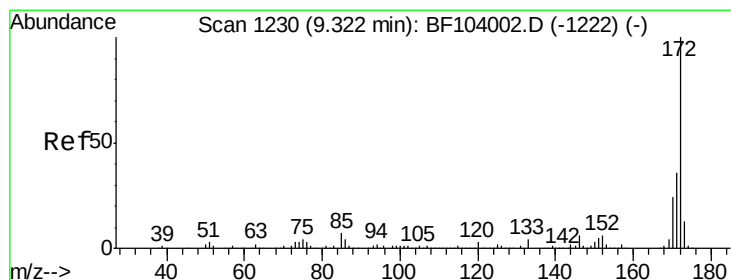
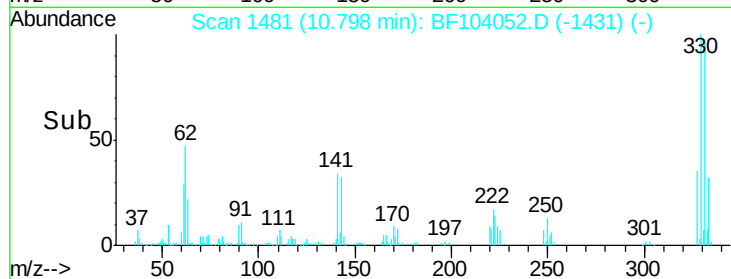
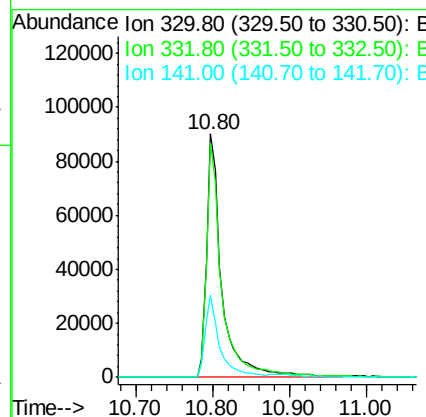
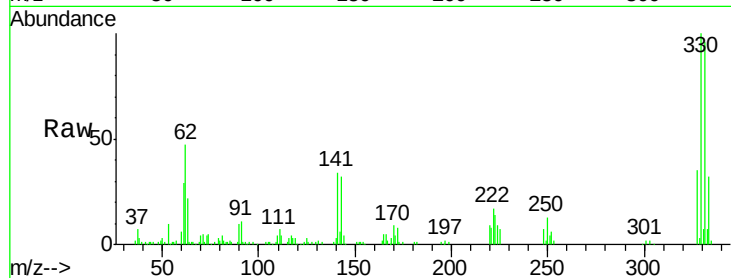




#41
 2,4,6-Tribromophenol
 Concen: 51.208 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: BF104052.D
 Acq: 29 Mar 2018 15:49

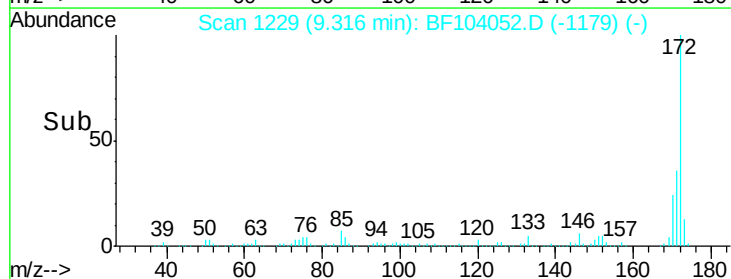
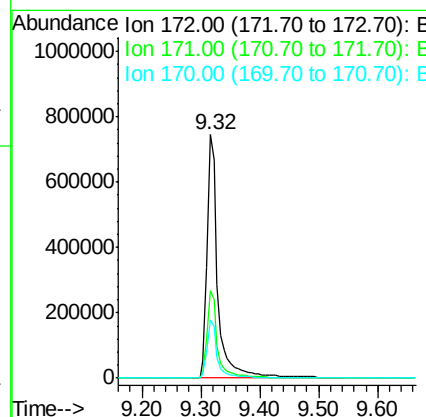
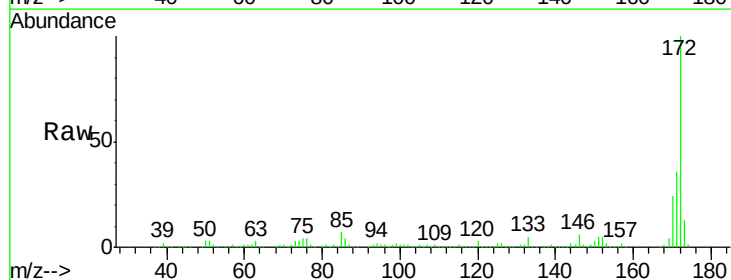
Instrument :
 BNA_F
 ClientSampleId :

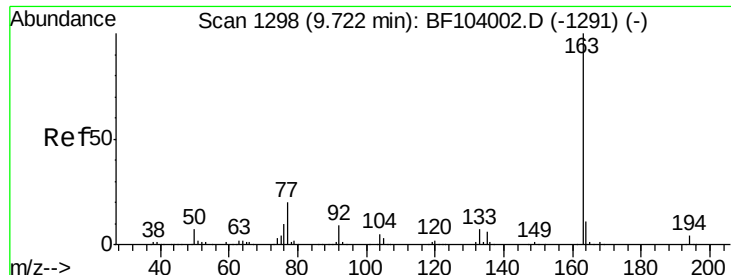
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	32.3	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 68.038 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: BF104052.D
 Acq: 29 Mar 2018 15:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	24.0	19.6	29.4

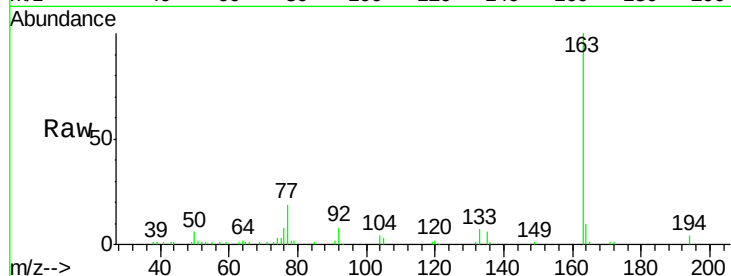




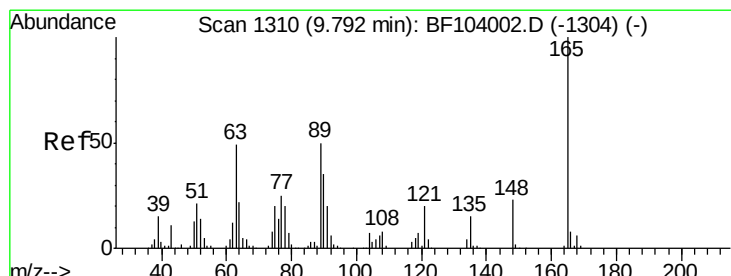
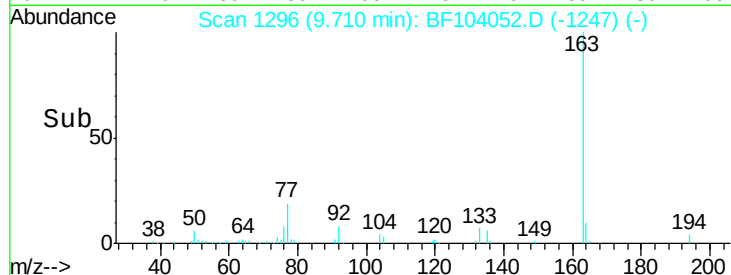
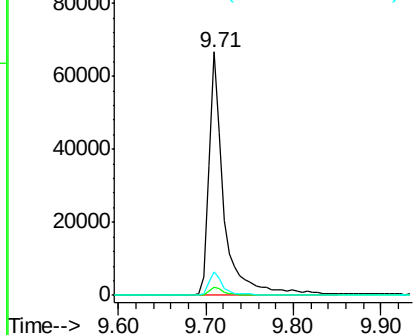
#49
Dimethylphthalate
Concen: 4.600 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF104052.D
Acq: 29 Mar 2018 15:49

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 80187
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 9.8 8.2 12.2

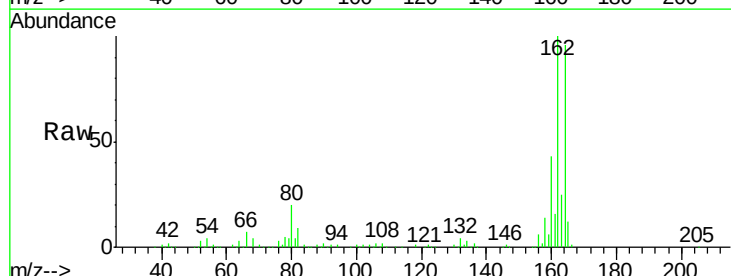


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

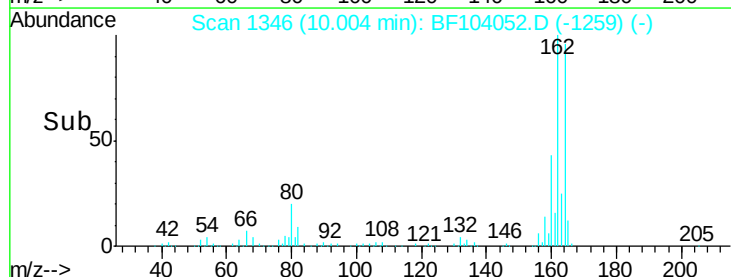
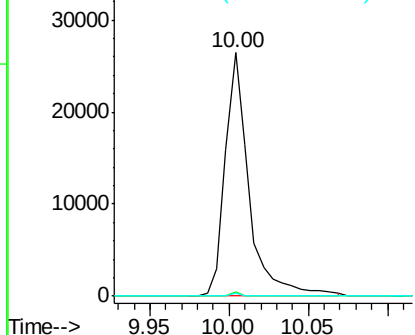


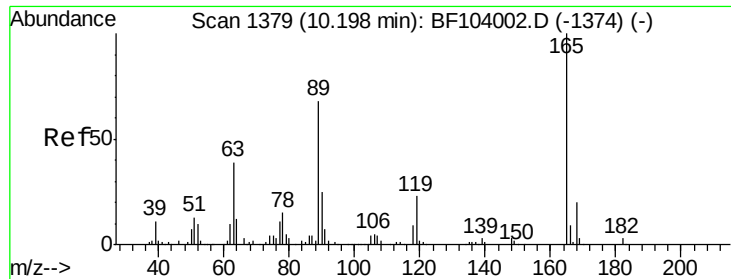
#50
2,6-Dinitrotoluene
Concen: 7.350 ng
RT: 10.00 min Scan# 1346
Delta R.T. 0.21 min
Lab File: BF104052.D
Acq: 29 Mar 2018 15:49

Tgt Ion:165 Resp: 27567
Ion Ratio Lower Upper
165 100
63 1.7 44.7 67.1#
89 1.2 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

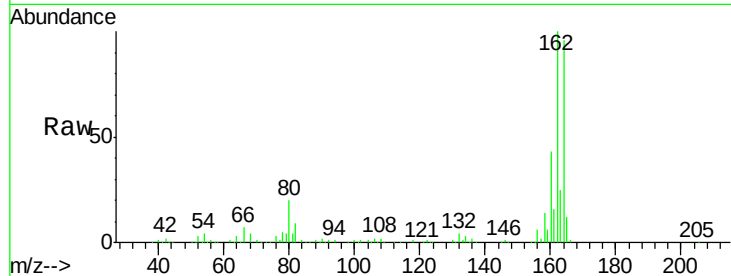




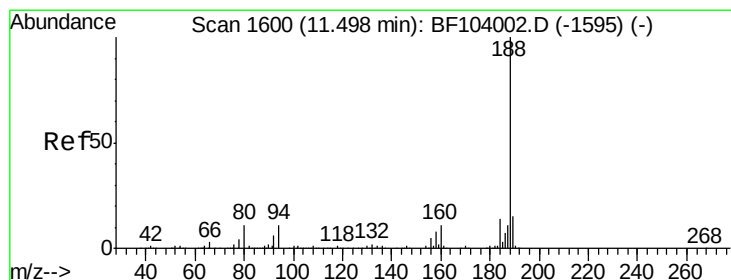
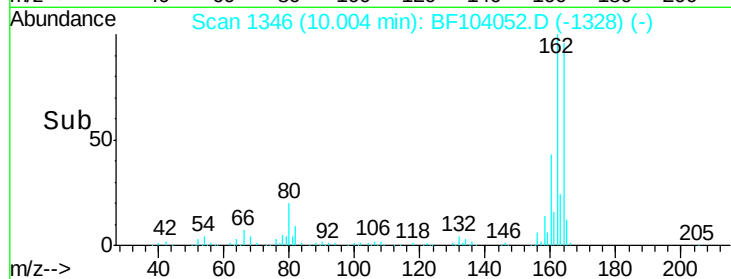
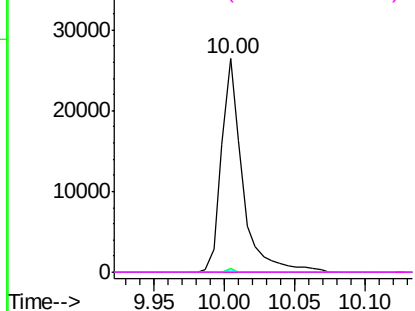
#56
2,4-Dinitrotoluene
Concen: 5.760 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.19 min
Lab File: BF104052.D
Acq: 29 Mar 2018 15:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 27567
Ion Ratio Lower Upper
165 100
63 1.7 36.4 54.6#
89 1.2 57.8 86.6#
182 0.0 1.6 2.4#

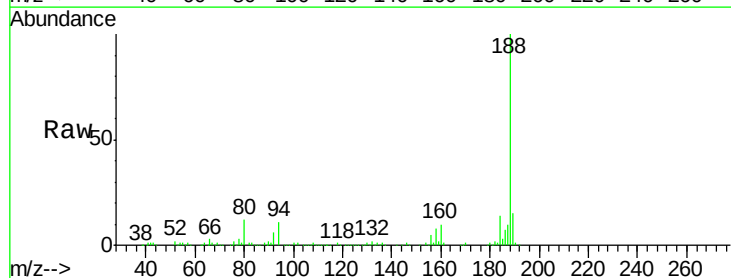


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

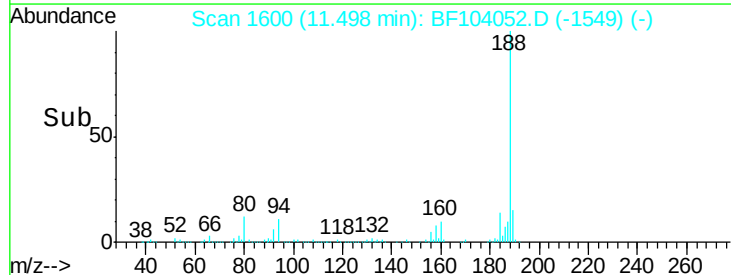
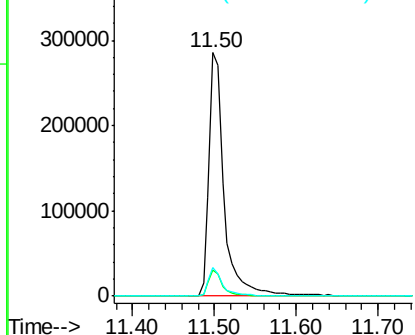


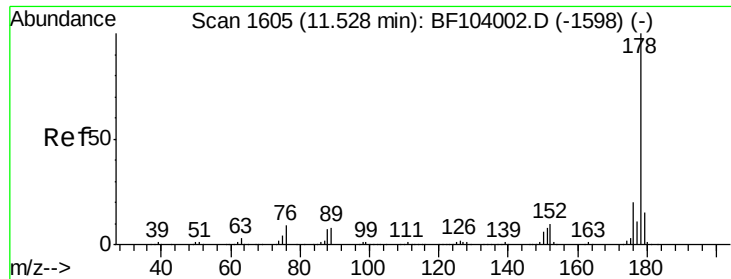
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.00 min
Lab File: BF104052.D
Acq: 29 Mar 2018 15:49

Tgt Ion:188 Resp: 367356
Ion Ratio Lower Upper
188 100
94 10.7 8.5 12.7
80 11.6 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

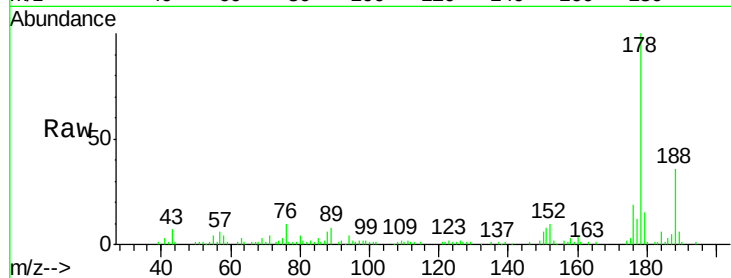




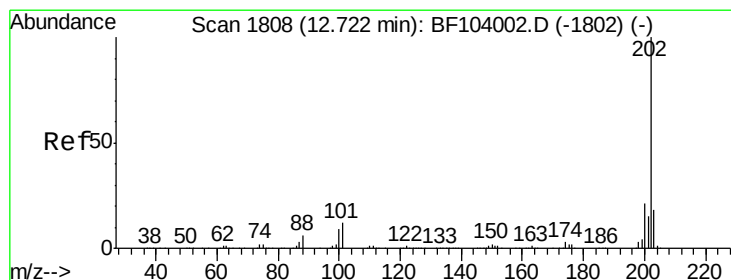
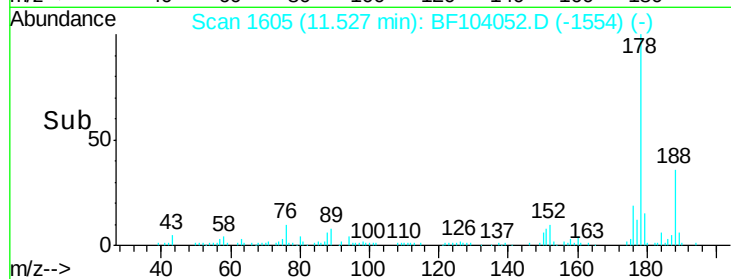
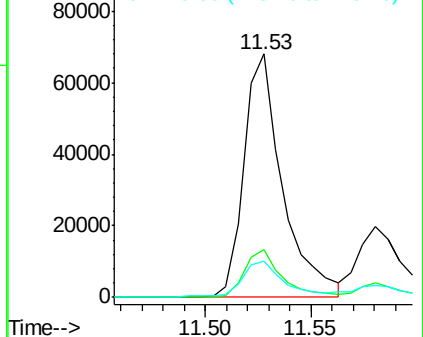
#70
Phenanthrene
Concen: 4.347 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.00 min
Lab File: BF104052.D
Acq: 29 Mar 2018 15:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 86452
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 14.9 13.0 19.6

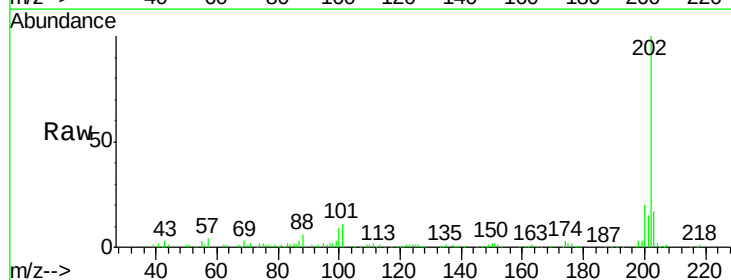


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

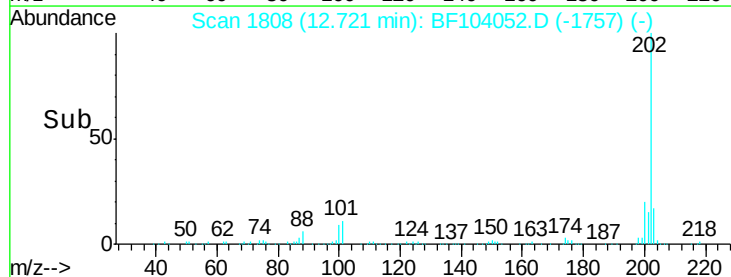
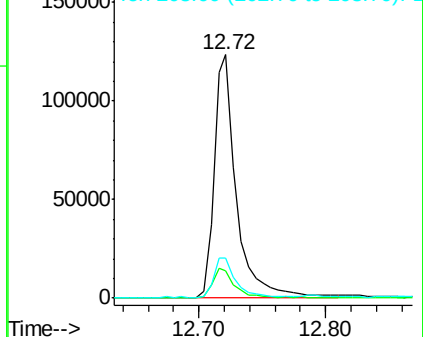


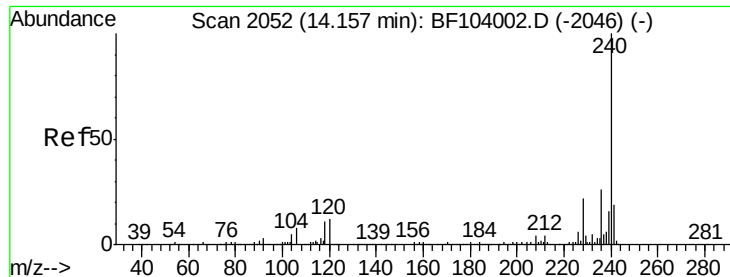
#74
Fluoranthene
Concen: 7.215 ng
RT: 12.72 min Scan# 1808
Delta R.T. -0.00 min
Lab File: BF104052.D
Acq: 29 Mar 2018 15:49

Tgt Ion:202 Resp: 152537
Ion Ratio Lower Upper
202 100
101 11.4 0.0 34.1
203 16.6 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: 14.16 min Scan# 2052

Delta R.T. -0.00 min

Lab File: BF104052.D

Acq: 29 Mar 2018 15:49

Instrument :

BNA_F

ClientSampleId :

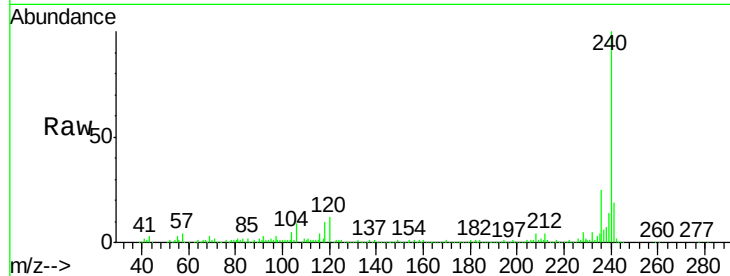
Tot Ion:240 Resp: 240964

Ion Ratio Lower Upper

240 100

120 12.1 9.5 14.3

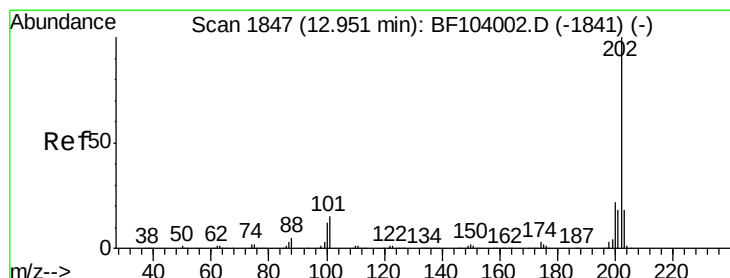
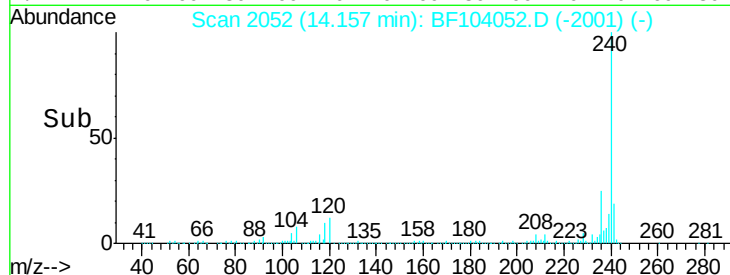
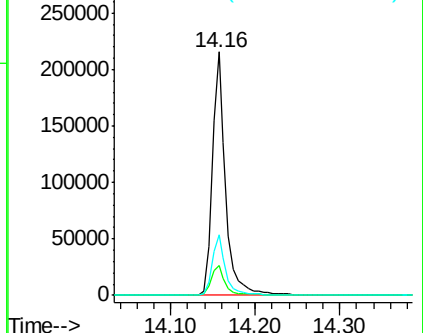
236 24.8 20.7 31.1



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

Pyrene

Concen: 5.952 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.00 min

Lab File: BF104052.D

Acq: 29 Mar 2018 15:49

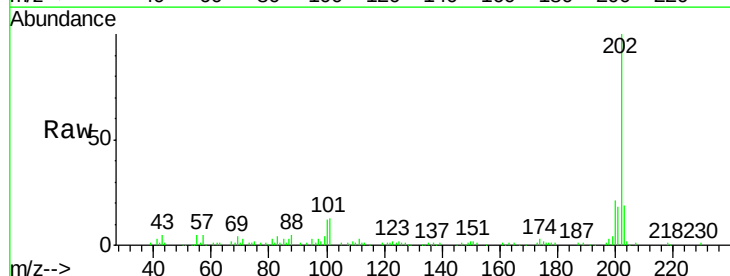
Tgt Ion:202 Resp: 103103

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

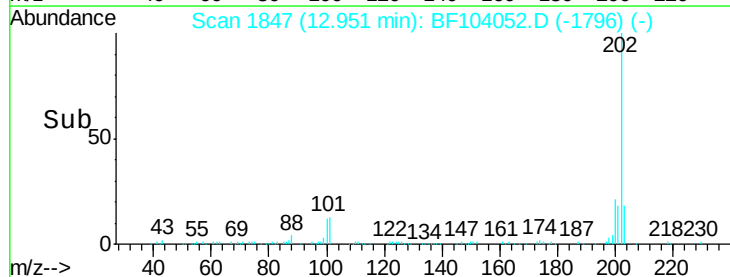
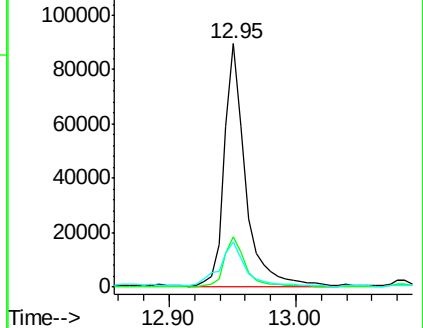
203 18.7 14.3 21.5

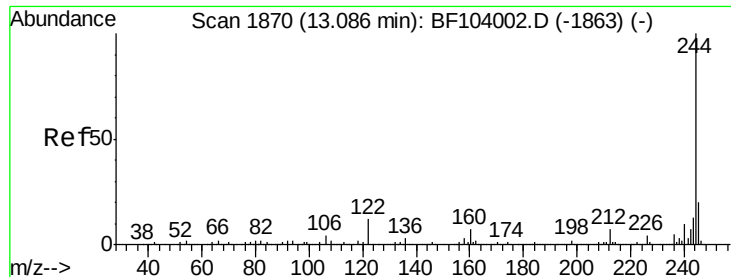


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 73.778 ng

RT: 13.09 min Scan# 1870

Delta R.T. -0.00 min

Lab File: BF104052.D

Acq: 29 Mar 2018 15:49

Instrument :

BNA_F

ClientSampleId :

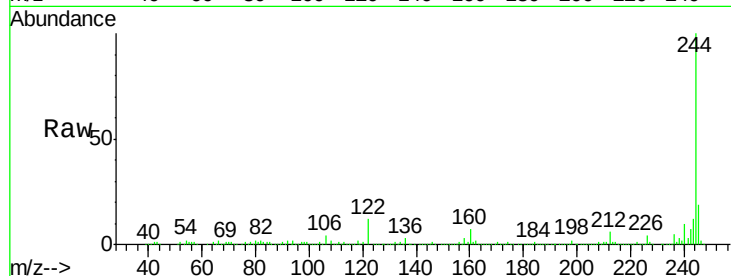
Tot Ion:244 Resp: 769951

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

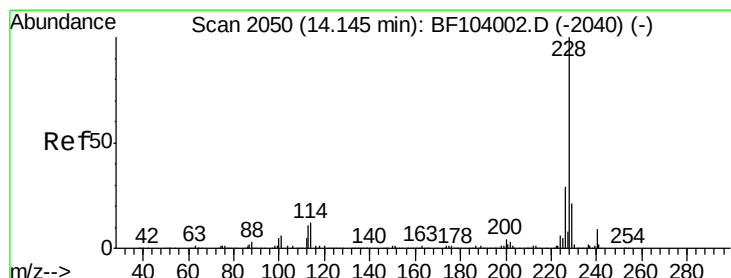
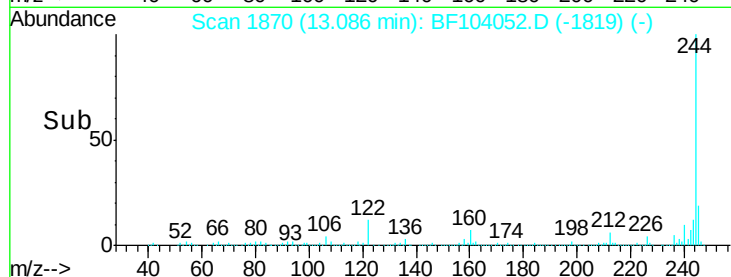
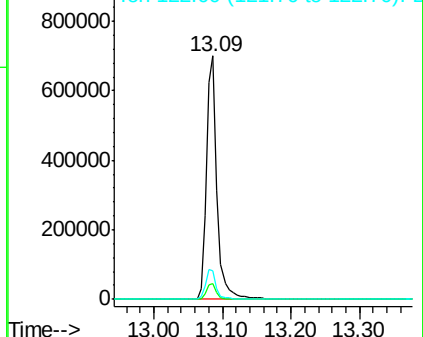
122 11.6 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 3.793 ng

RT: 14.18 min Scan# 2056

Delta R.T. 0.04 min

Lab File: BF104052.D

Acq: 29 Mar 2018 15:49

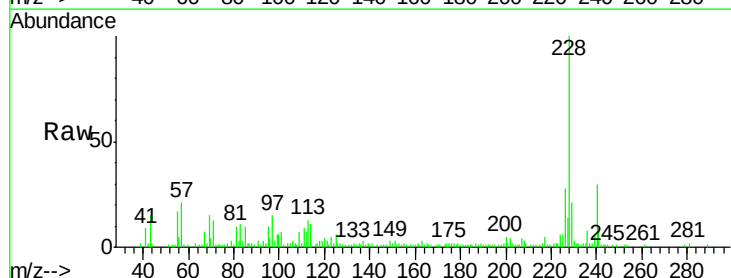
Tgt Ion:228 Resp: 57182

Ion Ratio Lower Upper

228 100

226 27.6 22.6 33.8

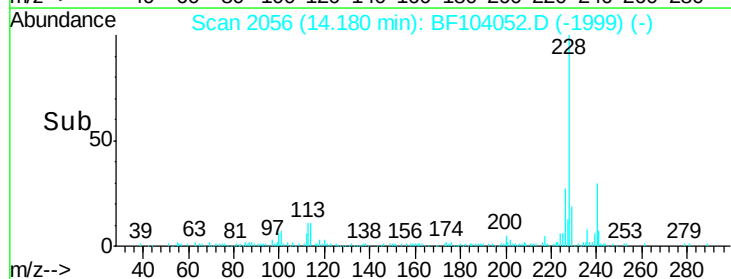
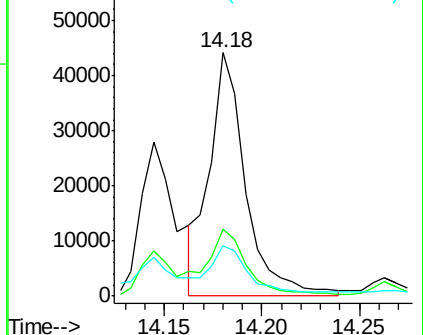
229 20.7 15.8 23.6

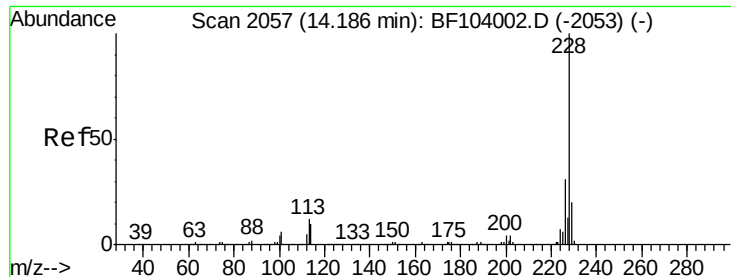


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

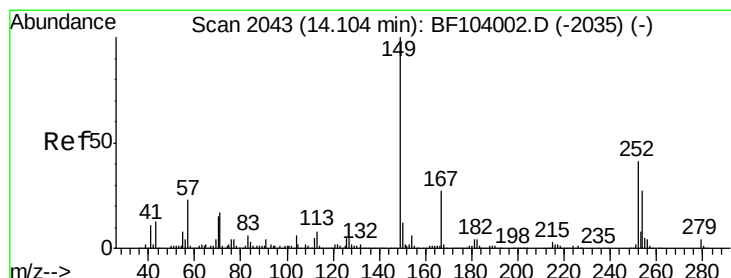
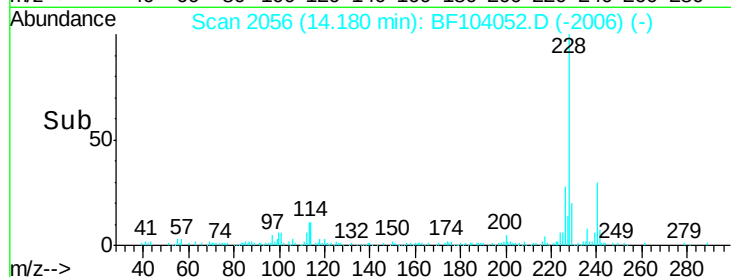
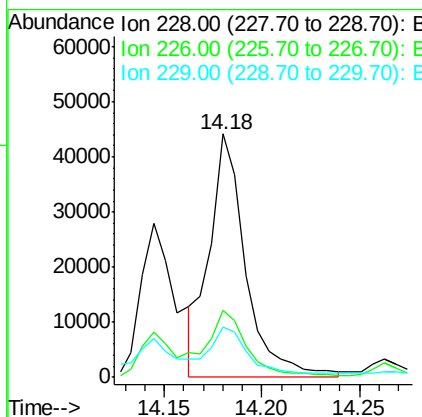
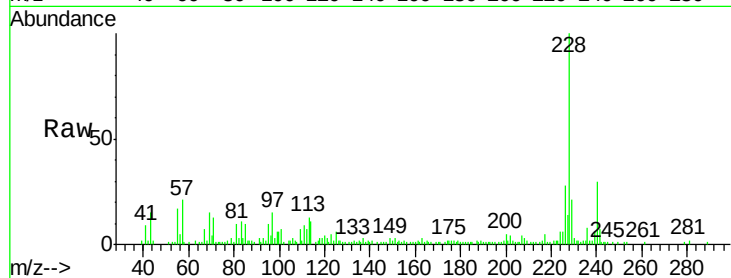




#82
 Chrysene
 Concen: 3.872 ng
 RT: 14.18 min Scan# 2056
 Delta R.T. -0.01 min
 Lab File: BF104052.D
 Acq: 29 Mar 2018 15:49

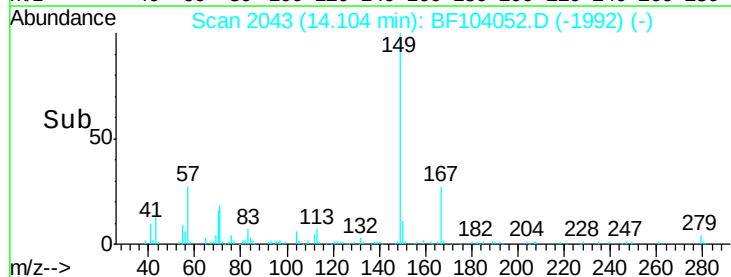
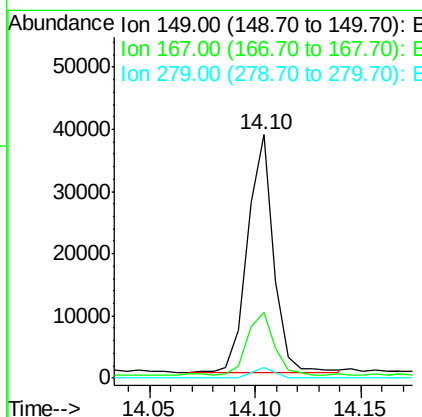
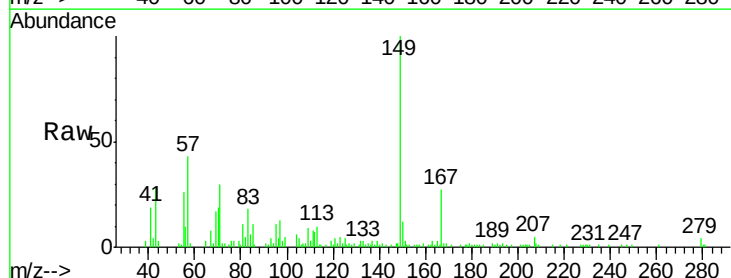
Instrument :
 BNA_F
 ClientSampled :

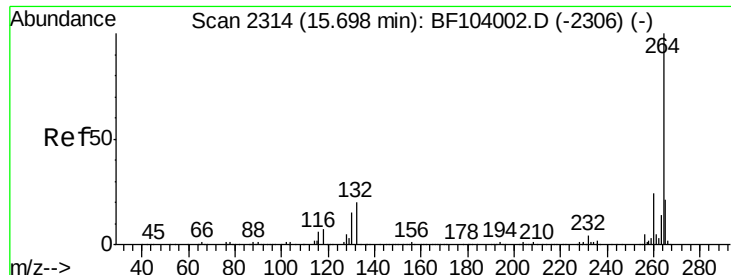
Tot Ion:228 Resp: 57182
 Ion Ratio Lower Upper
 228 100
 226 27.6 25.0 37.6
 229 20.7 16.2 24.4



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.130 ng
 RT: 14.10 min Scan# 2043
 Delta R.T. -0.00 min
 Lab File: BF104052.D
 Acq: 29 Mar 2018 15:49

Tgt Ion:149 Resp: 33001
 Ion Ratio Lower Upper
 149 100
 167 27.2 21.3 31.9
 279 4.2 3.0 4.4

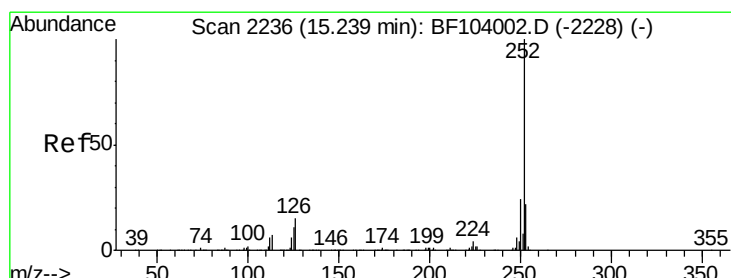
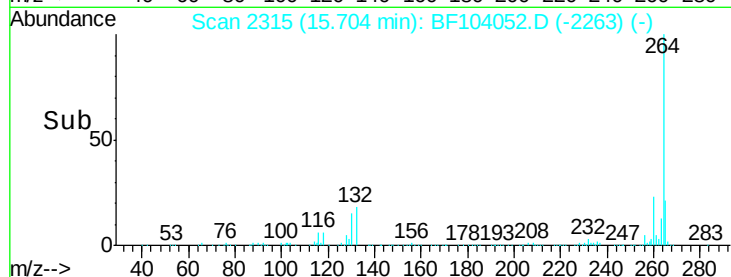
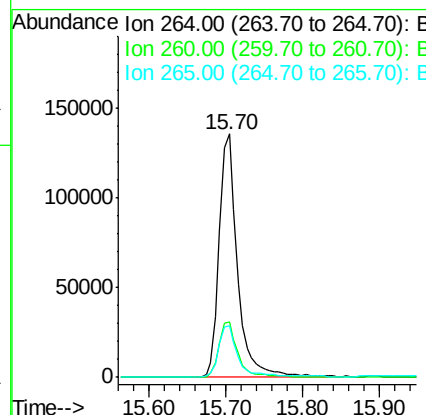
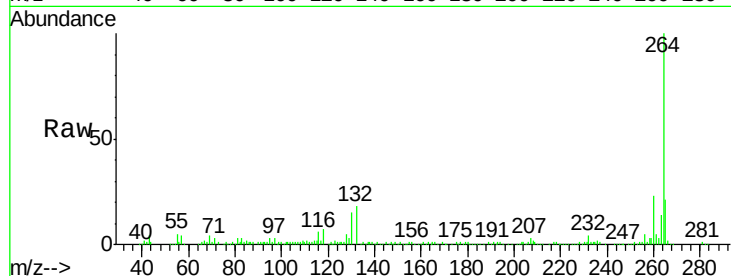




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2315
Delta R.T. 0.01 min
Lab File: BF104052.D
Acq: 29 Mar 2018 15:49

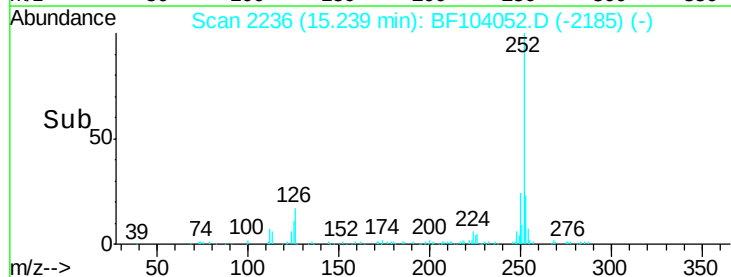
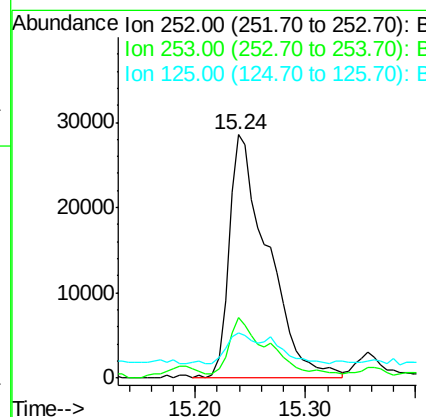
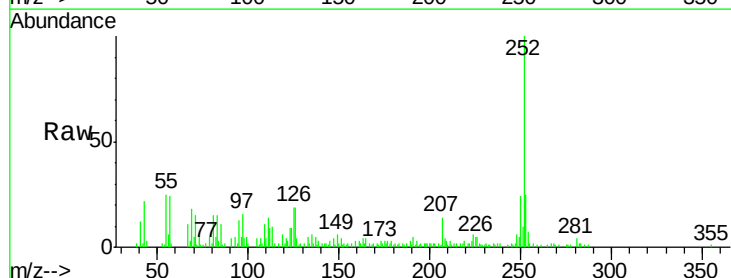
Instrument :
BNA_F
ClientSampleId :

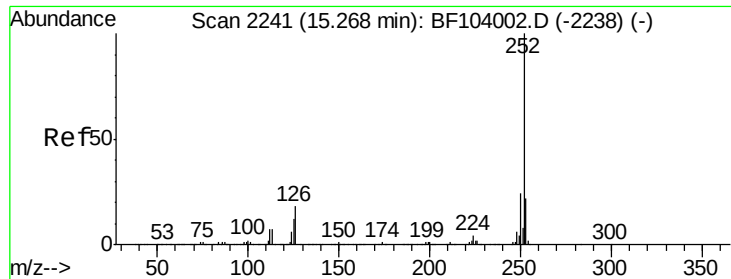
Tot Ion:264 Resp: 223326
Ion Ratio Lower Upper
264 100
260 22.9 19.2 28.8
265 21.3 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 5.154 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.00 min
Lab File: BF104052.D
Acq: 29 Mar 2018 15:49

Tgt Ion:252 Resp: 70044
Ion Ratio Lower Upper
252 100
253 24.9 17.0 25.6
125 18.5 9.0 13.6#

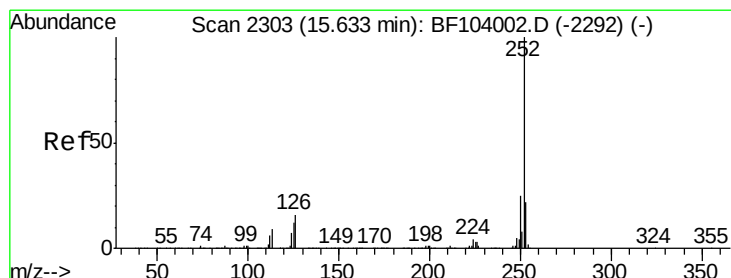
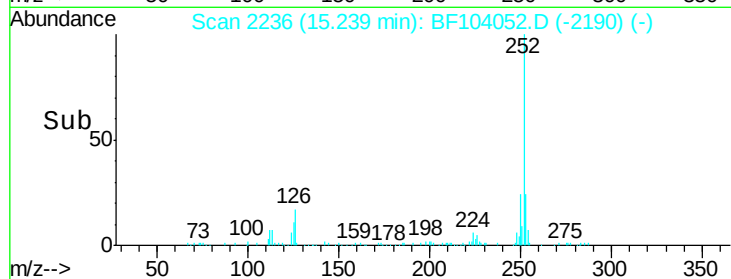
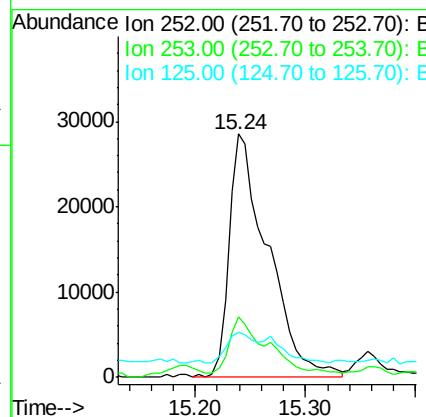
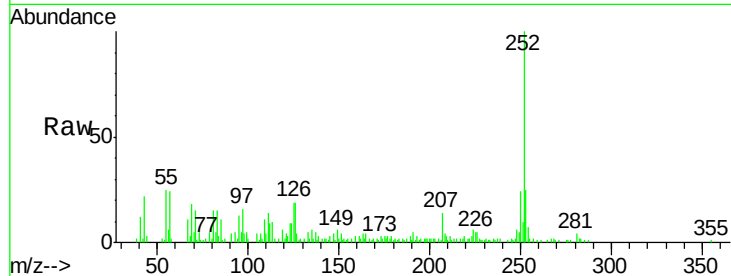




#88
Benzo(k)fluoranthene
Concen: 5.471 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.03 min
Lab File: BF104052.D
Acq: 29 Mar 2018 15:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 70044
Ion Ratio Lower Upper
252 100
253 24.9 17.9 26.9
125 18.5 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 2.031 ng
RT: 15.63 min Scan# 2303
Delta R.T. -0.00 min
Lab File: BF104052.D
Acq: 29 Mar 2018 15:49

Tgt Ion:252 Resp: 25585
Ion Ratio Lower Upper
252 100
253 22.6 17.1 25.7
125 21.1 9.8 14.6#

