

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032918\
 Data File : BF104074.D
 Acq On : 30 Mar 2018 2:39
 Operator : JU/SJ
 Sample : J2122-04
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 30 06:52:37 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

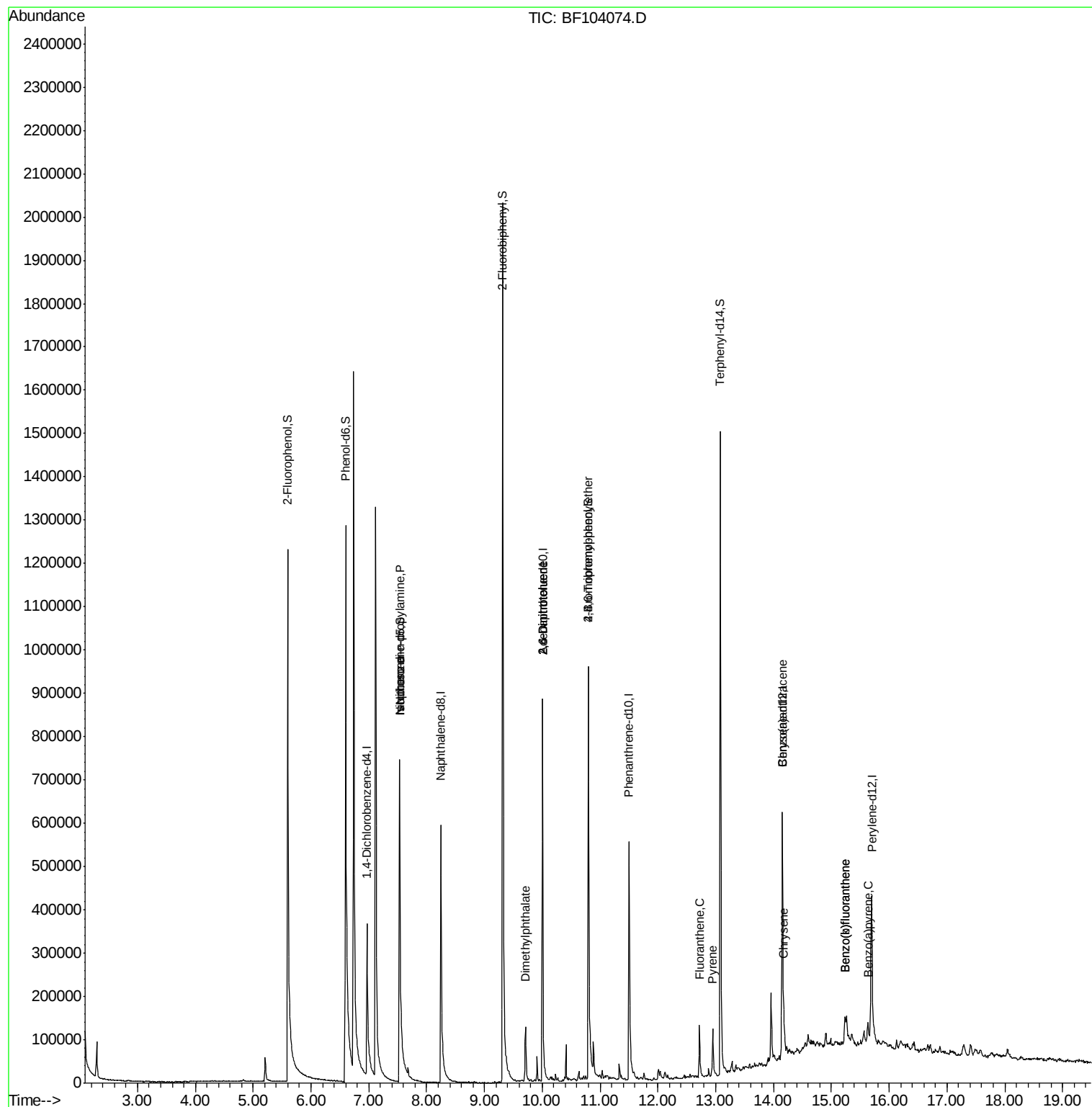
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	113791	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	480449	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	202910	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	315329	20.00	ng	0.00
75) Chrysene-d12	14.16	240	242537	20.00	ng	0.00
86) Perylene-d12	15.70	264	216453	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	650099	91.11	ng	0.00
7) Phenol-d6	6.60	99	877098	99.91	ng	0.00
23) Nitrobenzene-d5	7.53	82	507173	64.56	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	182089	80.59	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	872504	67.81	ng	0.00
78) Terphenyl-d14	13.08	244	600988	57.21	ng	0.00
Target Compounds						
9) Benzaldehyde	6.60	77	1046	Below Cal		Qvalue # 1
19) n-Nitroso-di-n-propylamine	7.53	70	58806	11.288	ng	# 73
25) Isophorone	7.53	82	507173	35.030	ng	# 64
49) Dimethylphthalate	9.71	163	78875	4.923	ng	# 99
50) 2,6-Dinitrotoluene	10.00	165	25277	7.334	ng	# 26
56) 2,4-Dinitrotoluene	10.00	165	25672	5.837	ng	# 23
66) 4-Bromophenyl-phenylether	10.80	248	10582	3.137	ng	# 1
74) Fluoranthene	12.72	202	70706	3.896	ng	# 98
77) Pyrene	12.95	202	57634	3.306	ng	# 99
80) Benzo(a)anthracene	14.14	228	41442	2.731	ng	# 96
82) Chrysene	14.18	228	30422	2.047	ng	# 95
87) Benzo(b)fluoranthene	15.24	252	55295	4.198	ng	# 88
88) Benzo(k)fluoranthene	15.24	252	55295	4.456	ng	# 91
89) Benzo(a)pyrene	15.63	252	28106	2.302	ng	# 94

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032918\
Data File : BF104074.D
Acq On : 30 Mar 2018 2:39
Operator : JU/SJ
Sample : J2122-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Mar 30 06:52:37 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



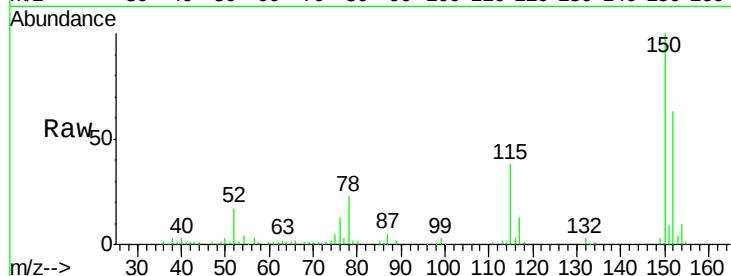


#1

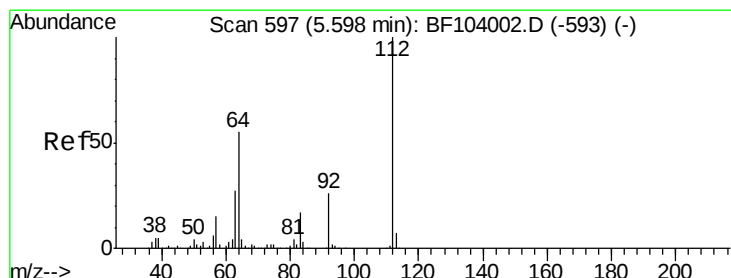
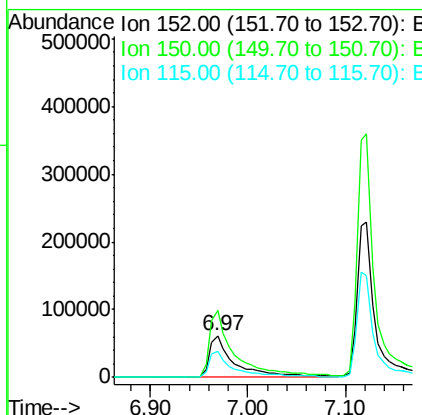
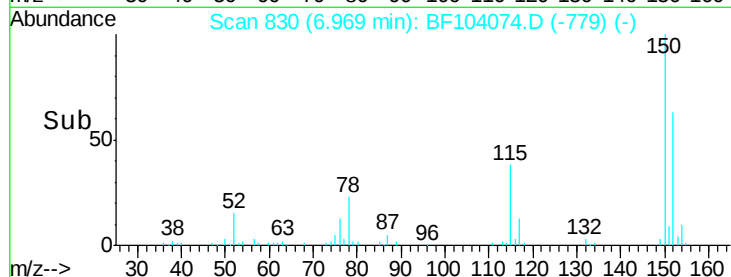
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF104074.D
Acq: 30 Mar 2018 2:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 113791
Ion Ratio Lower Upper
152 100
150 159.7 124.6 186.8
115 60.9 50.1 75.1



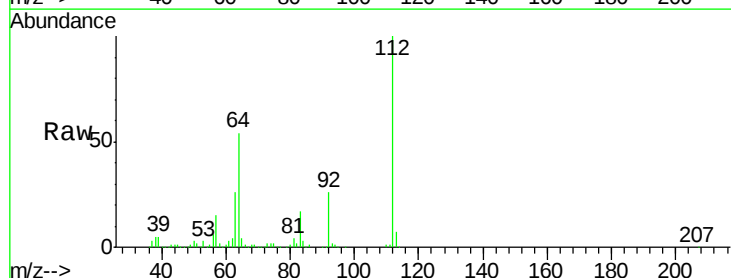
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



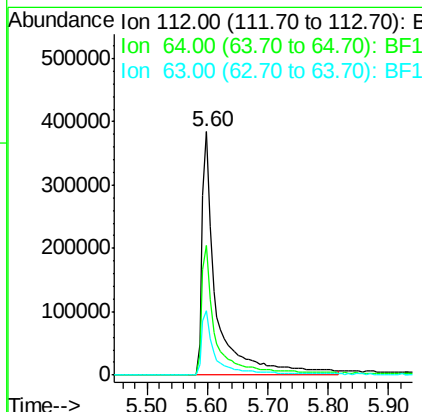
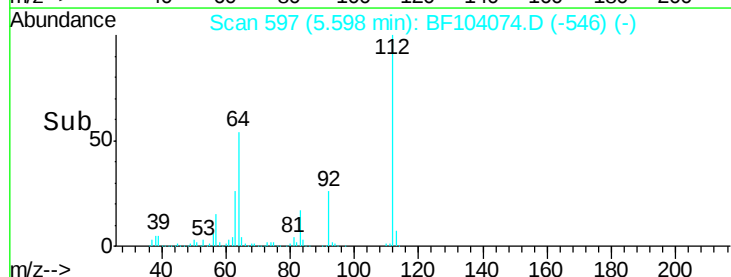
#5

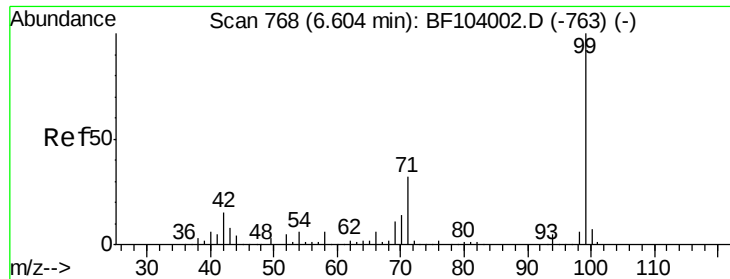
2-Fluorophenol
Concen: 91.109 ng
RT: 5.60 min Scan# 597
Delta R.T. -0.00 min
Lab File: BF104074.D
Acq: 30 Mar 2018 2:39

Tgt Ion:112 Resp: 650099
Ion Ratio Lower Upper
112 100
64 53.5 47.9 71.9
63 26.5 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: 99.913 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF104074.D

Acq: 30 Mar 2018 2:39

Instrument :

BNA_F

ClientSampleId :

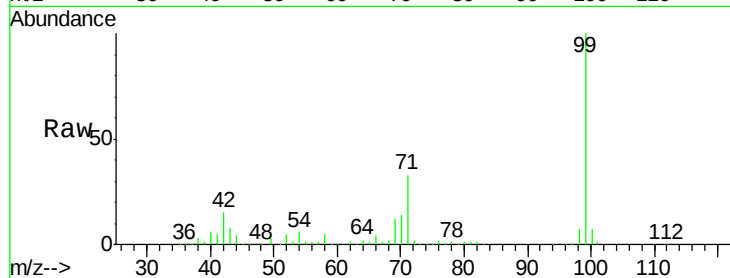
Tot Ion: 99 Resp: 877098

Ion Ratio Lower Upper

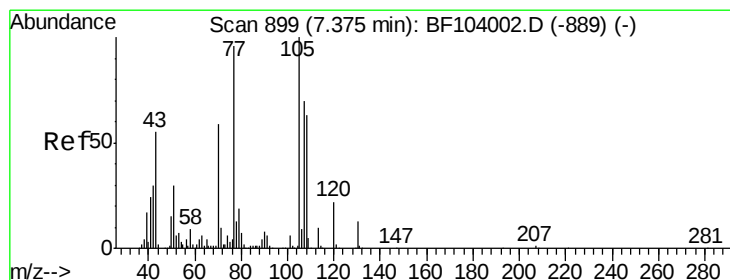
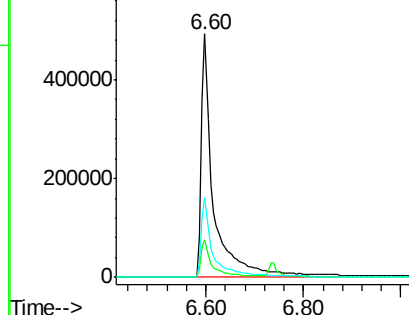
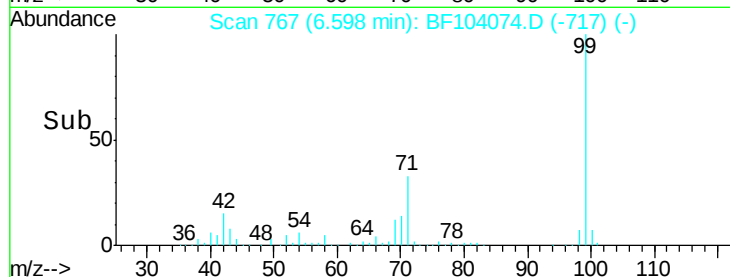
99 100

42 15.3 14.5 21.7

71 32.8 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



#19

n-Nitroso-di-n-propylamine

Concen: 11.288 ng

RT: 7.53 min Scan# 925

Delta R.T. 0.15 min

Lab File: BF104074.D

Acq: 30 Mar 2018 2:39

Tgt Ion: 70 Resp: 58806

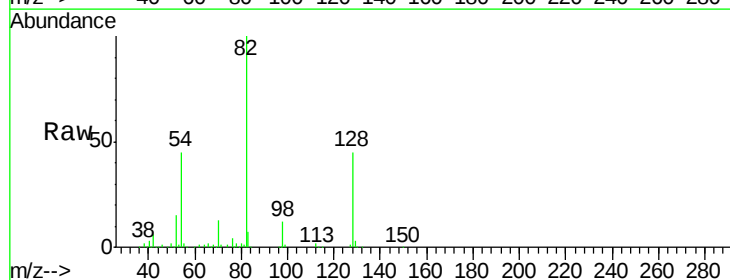
Ion Ratio Lower Upper

70 100

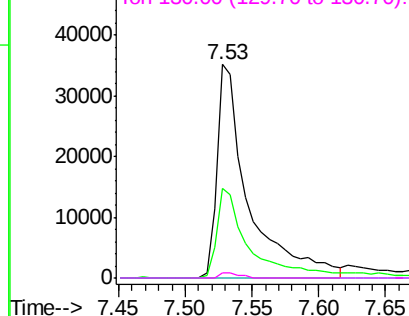
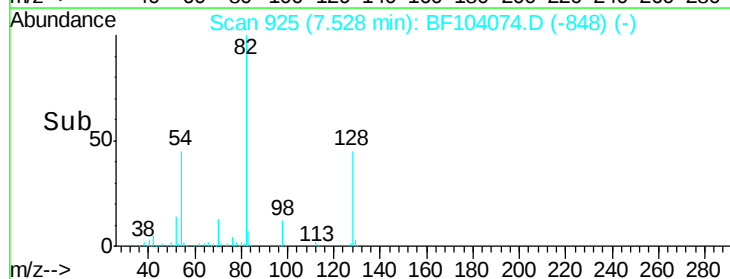
42 42.1 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#



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

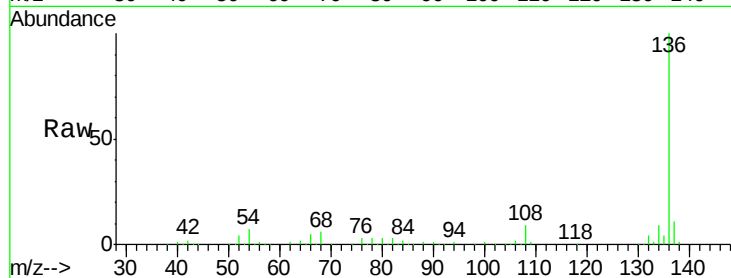




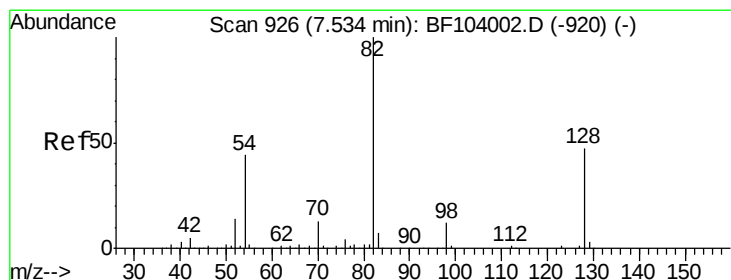
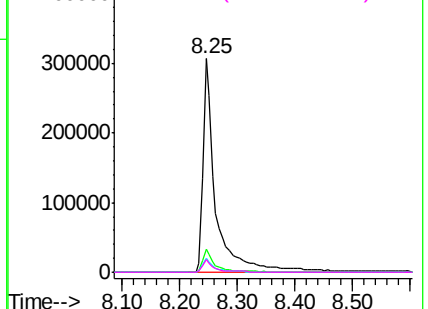
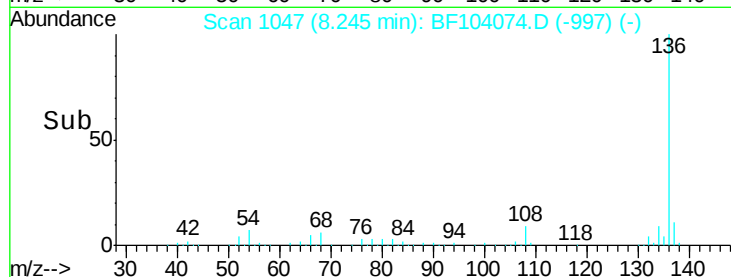
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BF104074.D
Acq: 30 Mar 2018 2:39

Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	480449
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.6	6.6	9.8
68	5.8	5.0	7.4

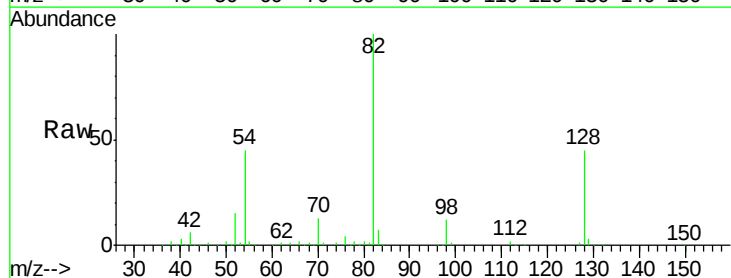


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

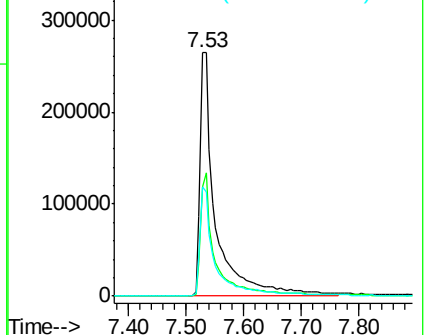
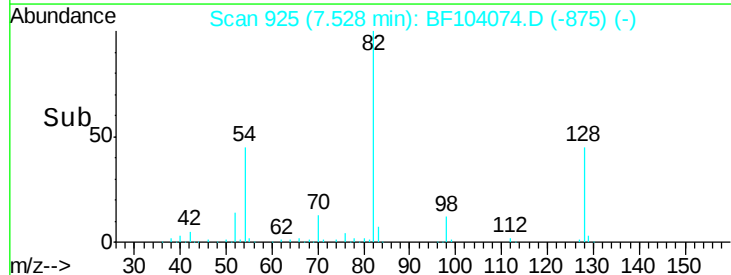


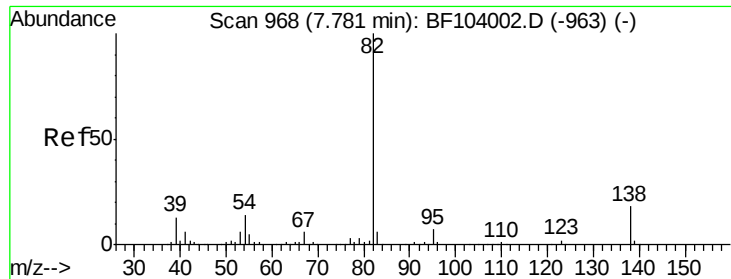
#23
Nitrobenzene-d5
Concen: 64.557 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.01 min
Lab File: BF104074.D
Acq: 30 Mar 2018 2:39

Tgt Ion:	82	Resp:	507173
Ion	Ratio	Lower	Upper
82	100		
128	44.7	36.1	54.1
54	44.7	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: 35.030 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.25 min

Lab File: BF104074.D

Acq: 30 Mar 2018 2:39

Instrument :

BNA_F

ClientSampleId :

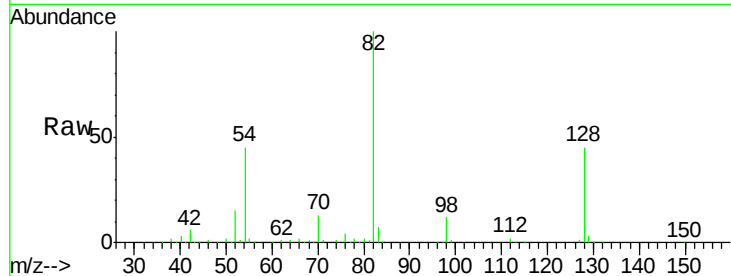
Tot Ion: 82 Resp: 507173

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

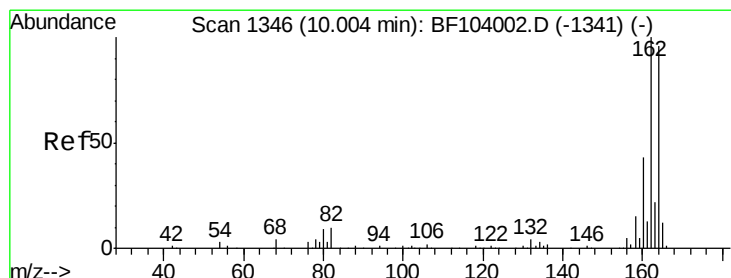
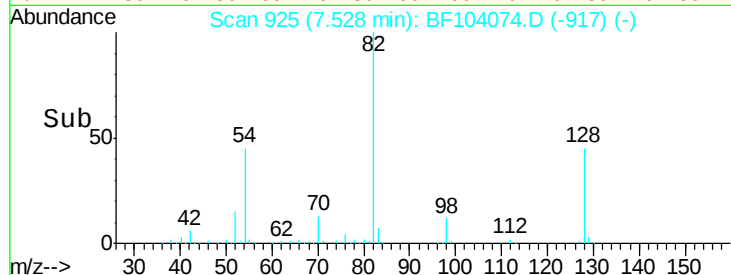
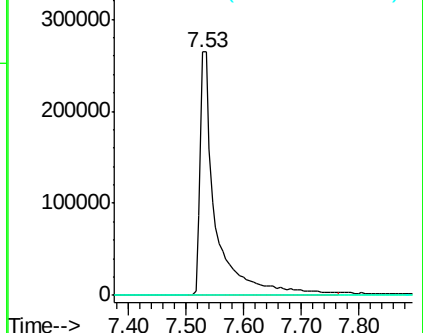
138 0.0 14.9 22.3#



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: 10.00 min Scan# 1346

Delta R.T. -0.00 min

Lab File: BF104074.D

Acq: 30 Mar 2018 2:39

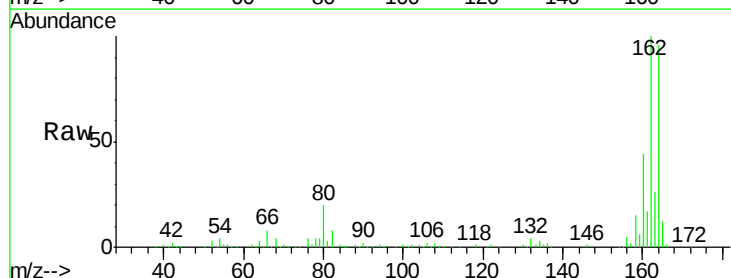
Tgt Ion:164 Resp: 202910

Ion Ratio Lower Upper

164 100

162 103.6 86.1 129.1

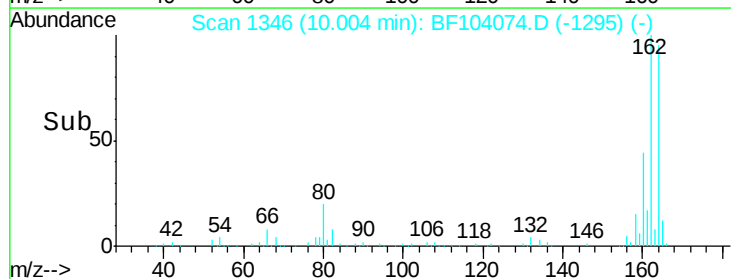
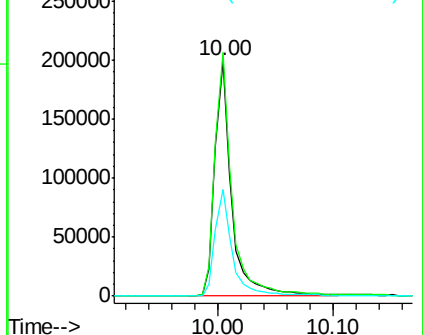
160 45.4 38.3 57.5



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

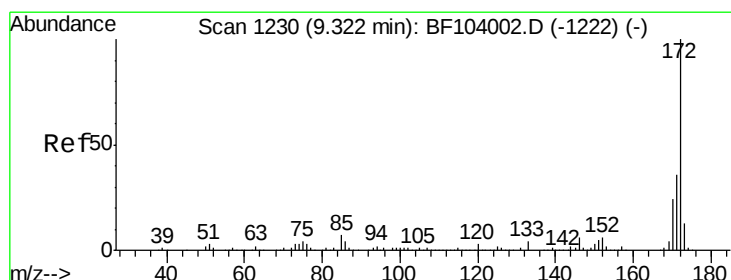
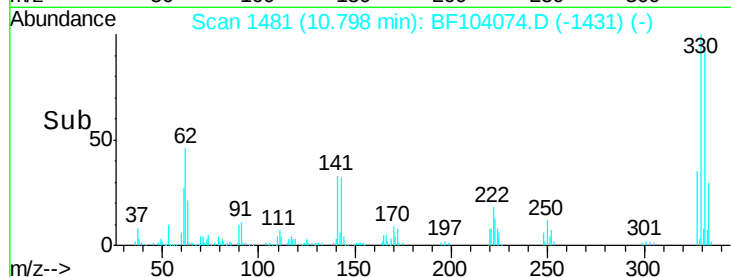
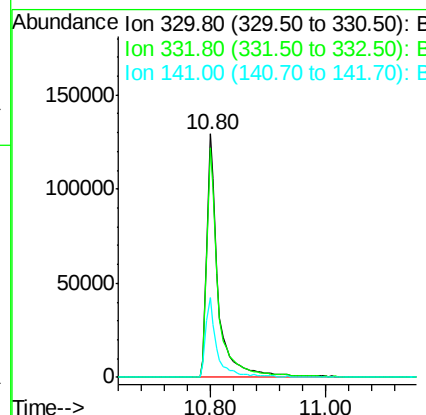
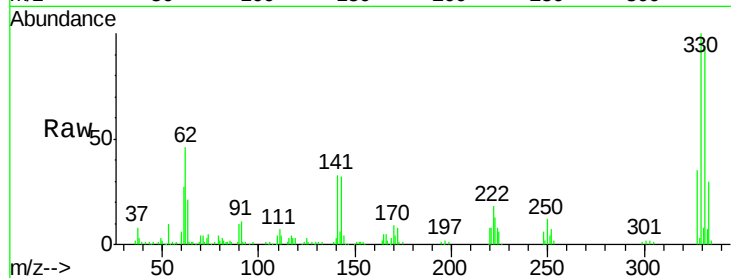




#41
 2,4,6-Tribromophenol
 Concen: 80.591 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: BF104074.D
 Acq: 30 Mar 2018 2:39

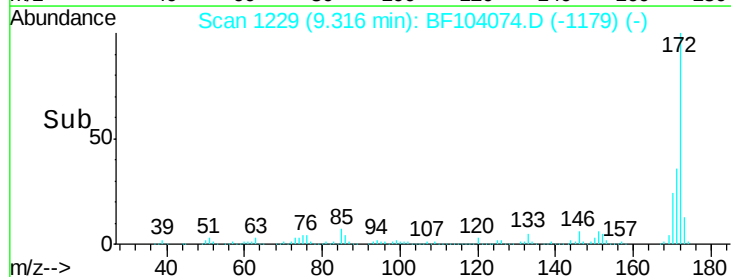
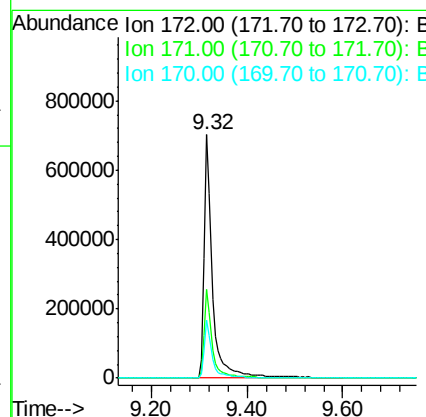
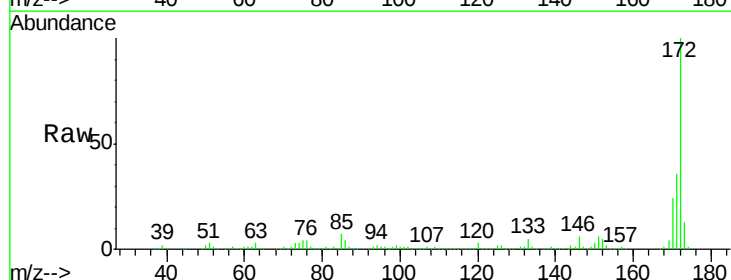
Instrument :
 BNA_F
 ClientSampleId :

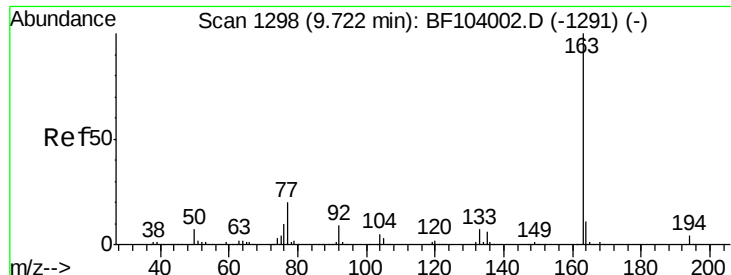
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.0	77.0	115.6
141	32.3	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 67.807 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: BF104074.D
 Acq: 30 Mar 2018 2:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	23.6	19.6	29.4

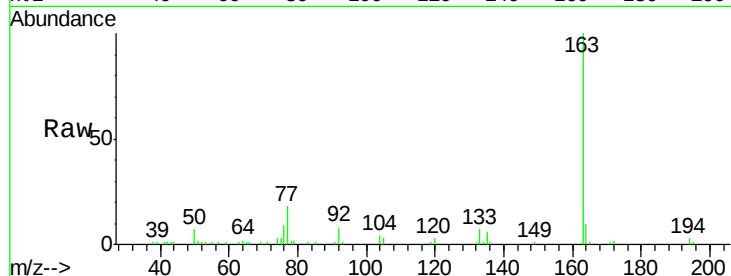




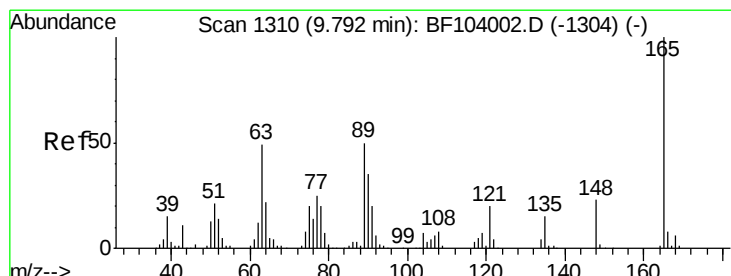
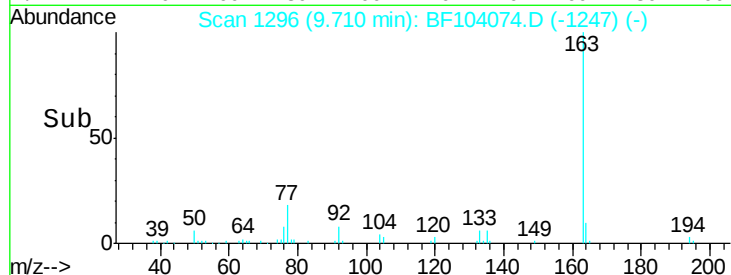
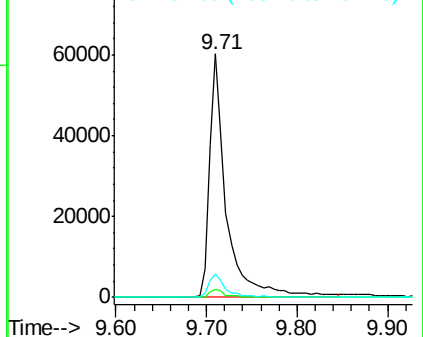
#49
Dimethylphthalate
Concen: 4.923 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF104074.D
Acq: 30 Mar 2018 2:39

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 78875
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 9.8 8.2 12.2

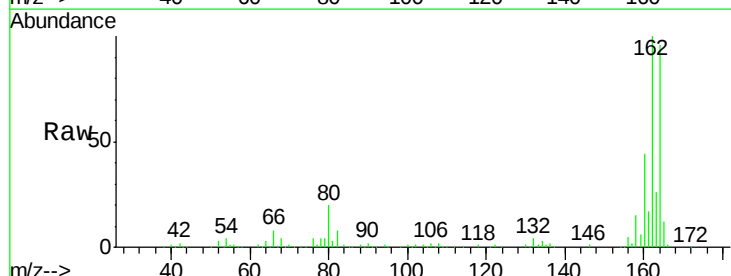


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

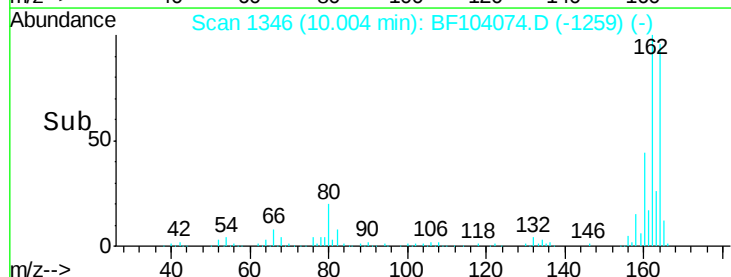
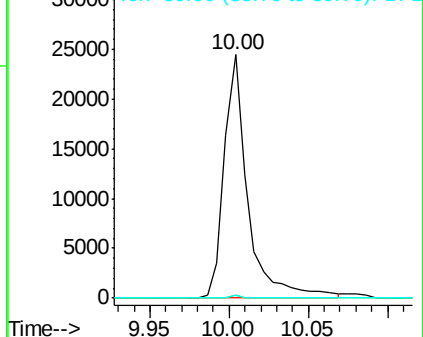


#50
2,6-Dinitrotoluene
Concen: 7.334 ng
RT: 10.00 min Scan# 1346
Delta R.T. 0.21 min
Lab File: BF104074.D
Acq: 30 Mar 2018 2:39

Tgt Ion:165 Resp: 25277
Ion Ratio Lower Upper
165 100
63 1.4 44.7 67.1#
89 1.4 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

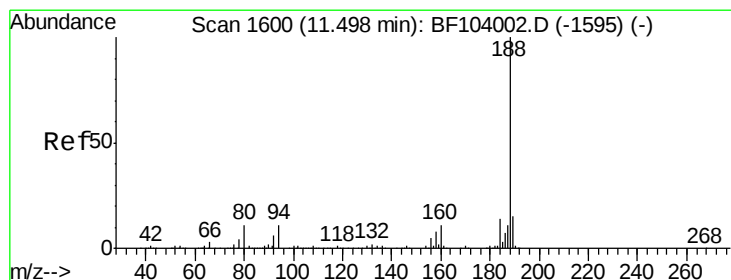
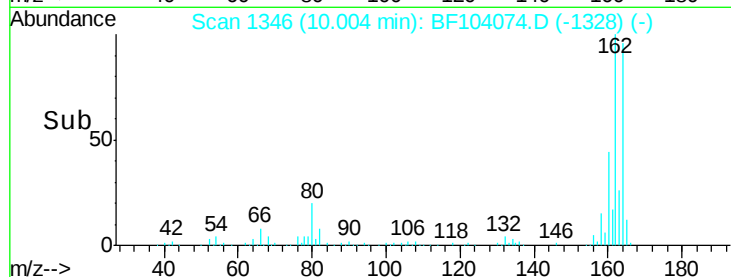
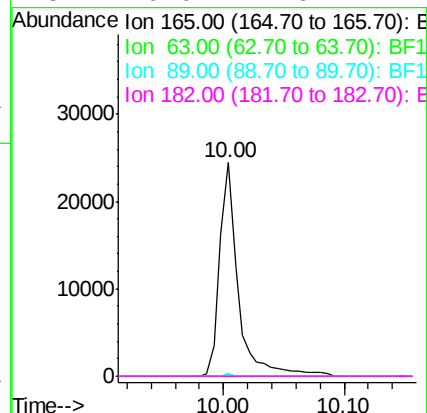
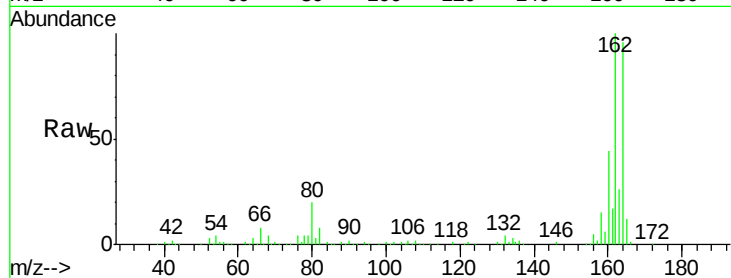




#56
2,4-Dinitrotoluene
Concen: 5.837 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.19 min
Lab File: BF104074.D
Acq: 30 Mar 2018 2:39

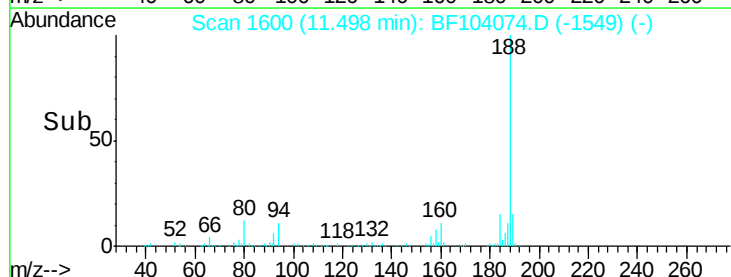
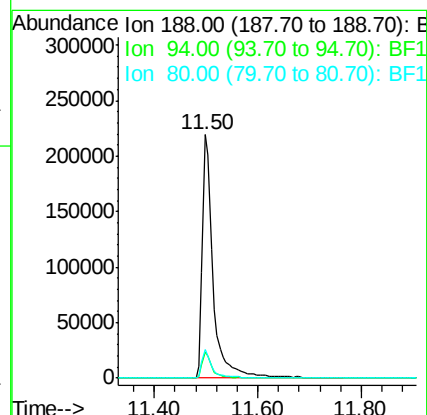
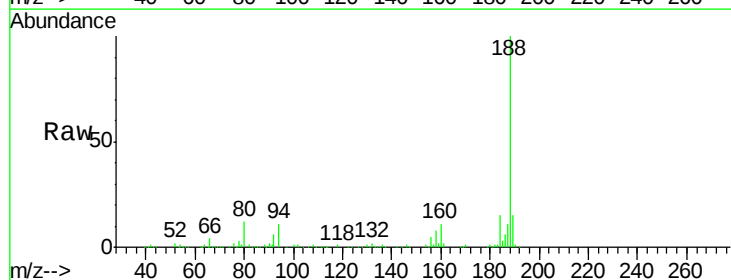
Instrument :
BNA_F
ClientSampleId :

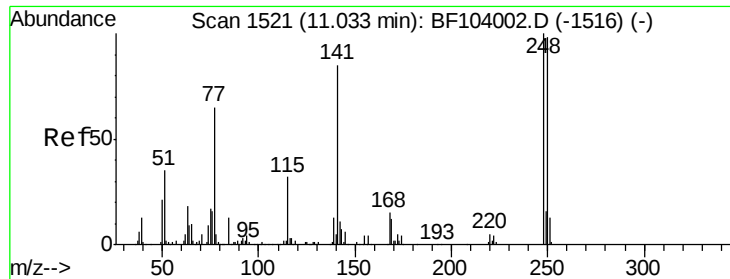
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.00 min
Lab File: BF104074.D
Acq: 30 Mar 2018 2:39

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.5	12.7
80	12.0	9.2	13.8

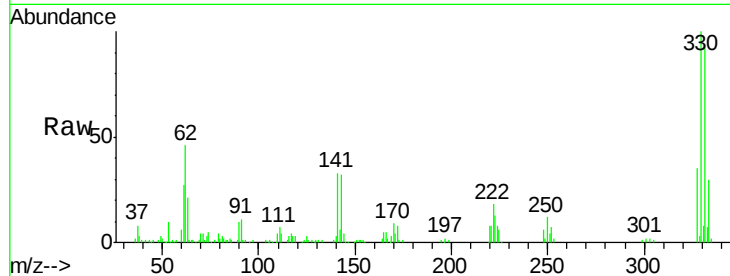




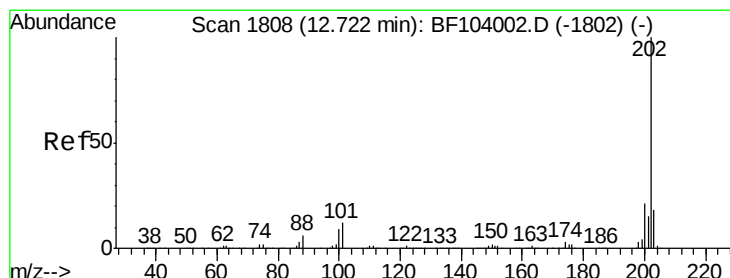
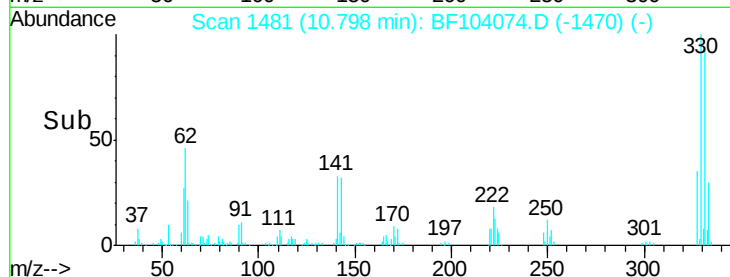
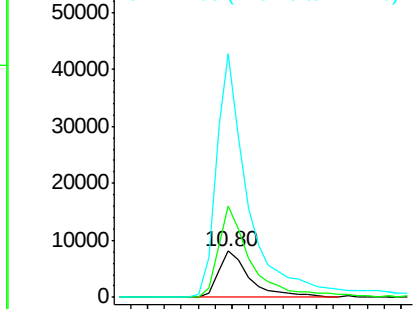
#66
4-Bromophenyl-phenylether
Concen: 3.137 ng
RT: 10.80 min Scan# 1481
Delta R.T. -0.24 min
Lab File: BF104074.D
Acq: 30 Mar 2018 2:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 10582
Ion Ratio Lower Upper
248 100
250 199.2 76.9 115.3#
141 528.0 74.4 111.6#

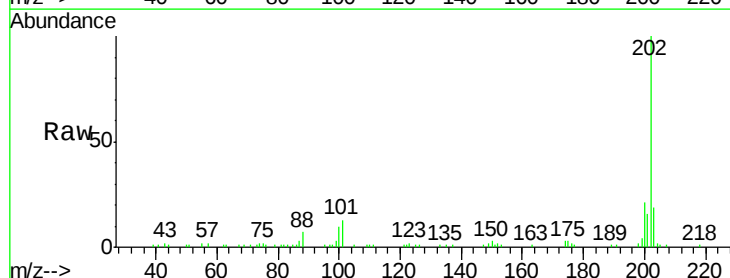


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

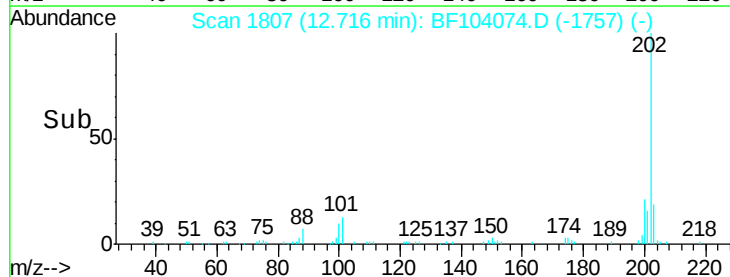
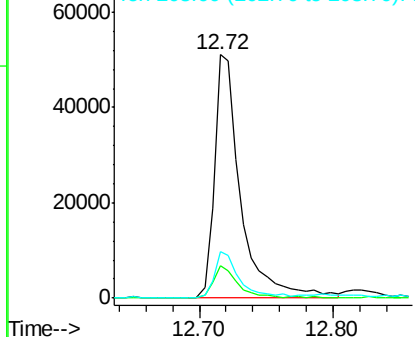


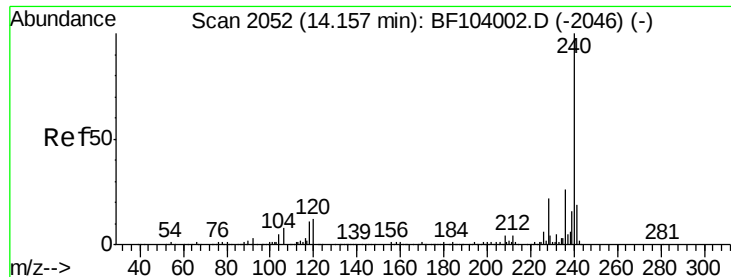
#74
Fluoranthene
Concen: 3.896 ng
RT: 12.72 min Scan# 1807
Delta R.T. -0.01 min
Lab File: BF104074.D
Acq: 30 Mar 2018 2:39

Tgt Ion:202 Resp: 70706
Ion Ratio Lower Upper
202 100
101 13.1 0.0 34.1
203 18.9 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: BF104074.D

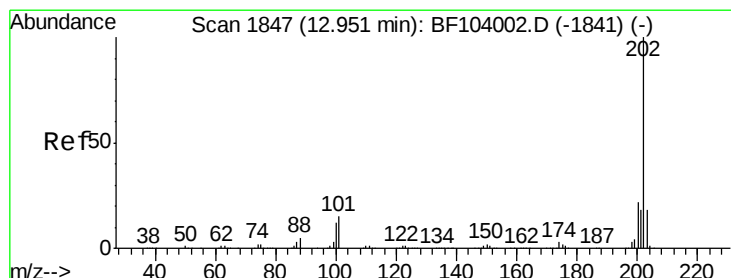
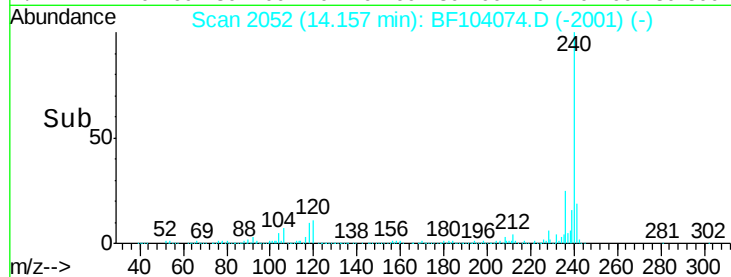
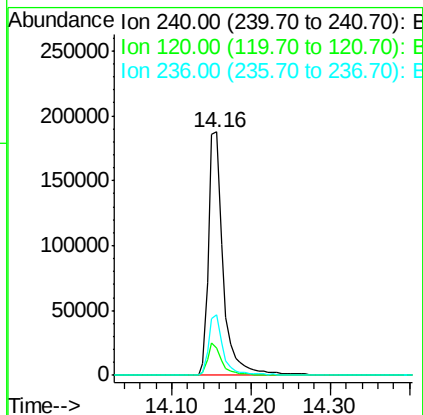
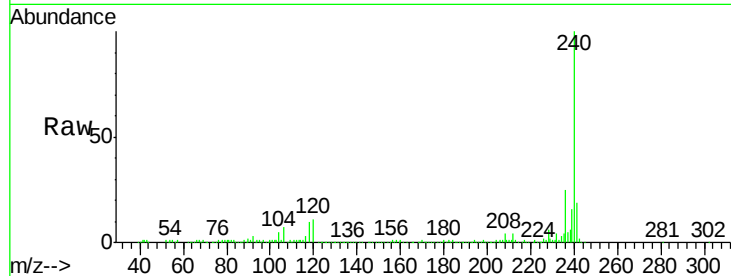
Acq: 30 Mar 2018 2:39

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	240	Resp:	242537
Ion	Ratio	Lower	Upper
240	100		
120	11.4	9.5	14.3
236	25.1	20.7	31.1



#77

Pyrene

Concen: 3.306 ng

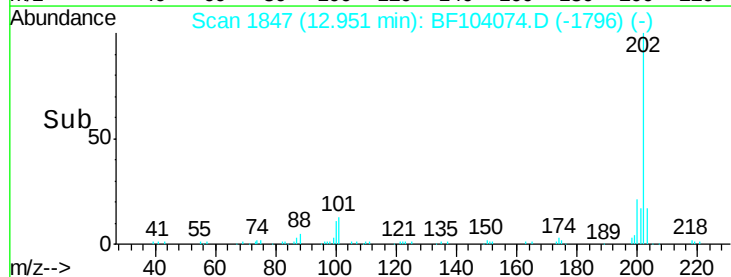
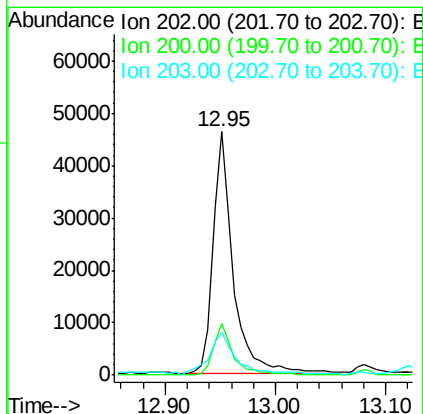
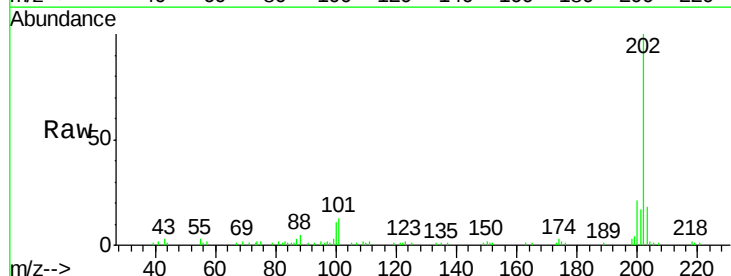
RT: 12.95 min Scan# 1847

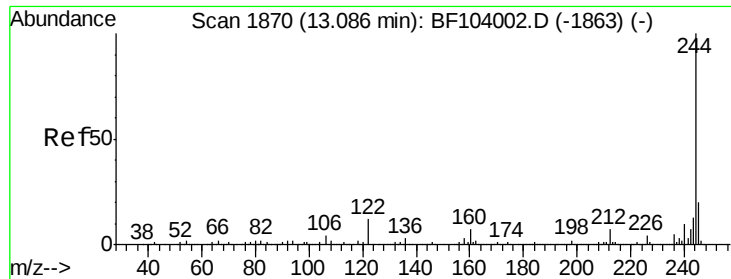
Delta R.T. -0.00 min

Lab File: BF104074.D

Acq: 30 Mar 2018 2:39

Tgt Ion:	202	Resp:	57634
Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.4	26.2
203	17.6	14.3	21.5

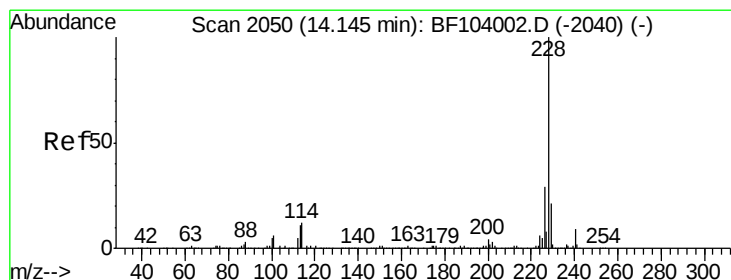
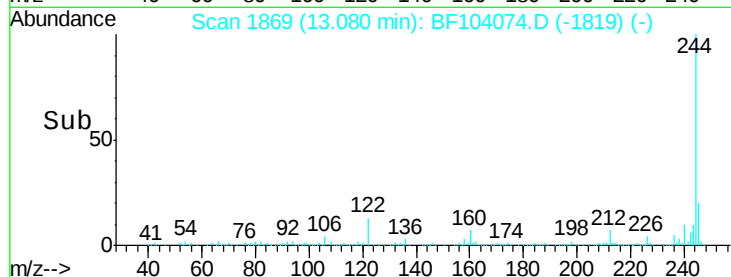
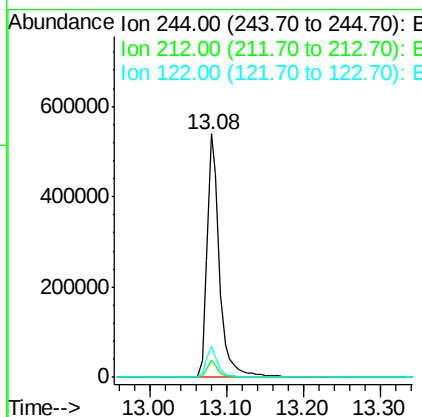
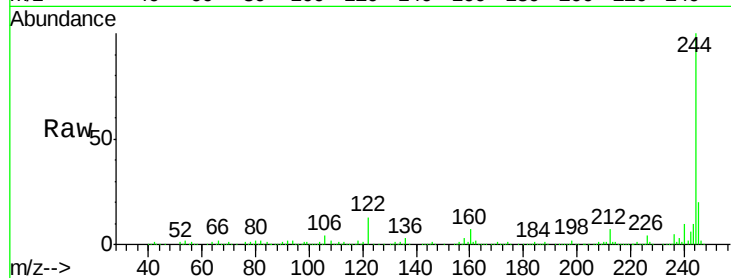




#78
 Terphenyl-d14
 Concen: 57.214 ng
 RT: 13.08 min Scan# 1869
 Delta R.T. -0.01 min
 Lab File: BF104074.D
 Acq: 30 Mar 2018 2:39

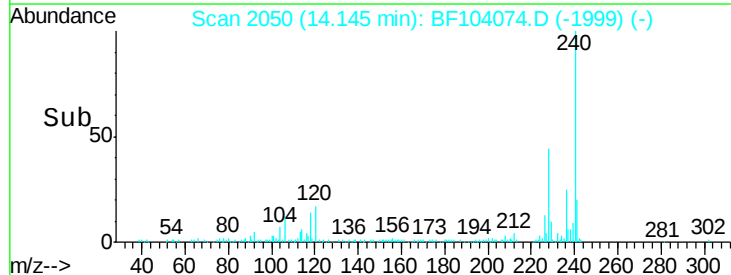
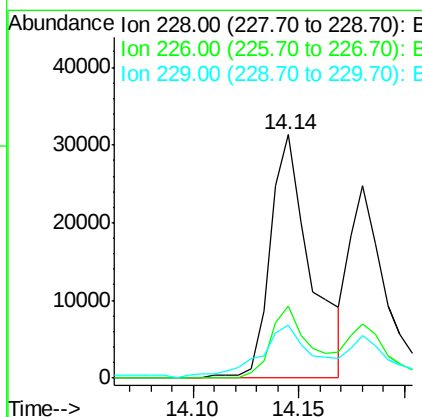
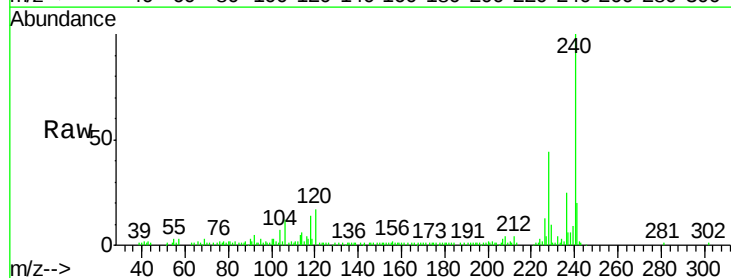
Instrument :
 BNA_F
 ClientSampleId :

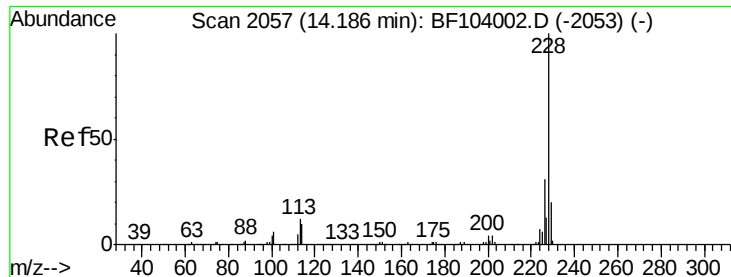
Tot Ion:244 Resp: 600988
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 12.9 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 2.731 ng
 RT: 14.14 min Scan# 2050
 Delta R.T. -0.00 min
 Lab File: BF104074.D
 Acq: 30 Mar 2018 2:39

Tgt Ion:228 Resp: 41442
 Ion Ratio Lower Upper
 228 100
 226 29.8 22.6 33.8
 229 21.9 15.8 23.6

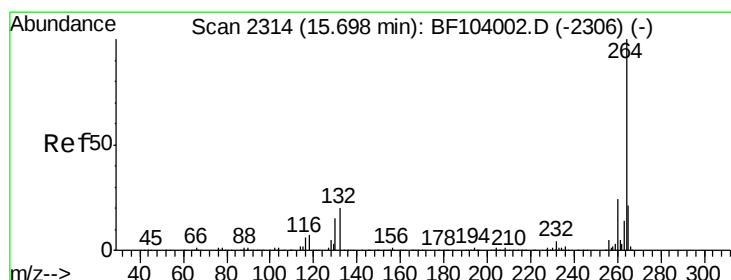
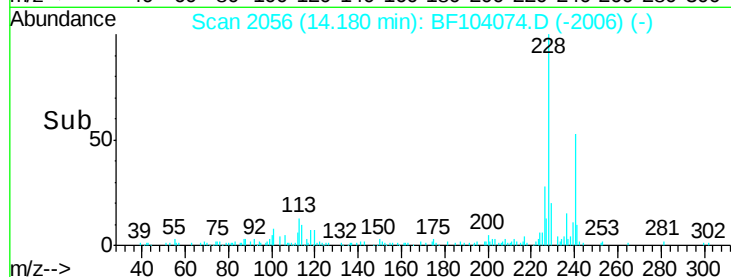
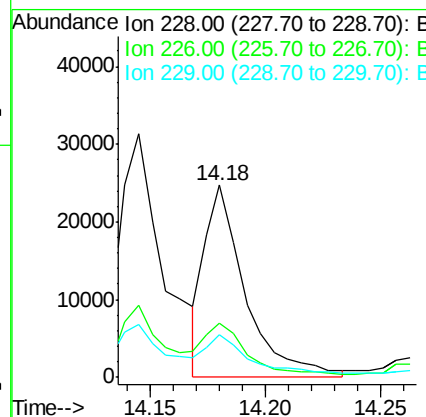
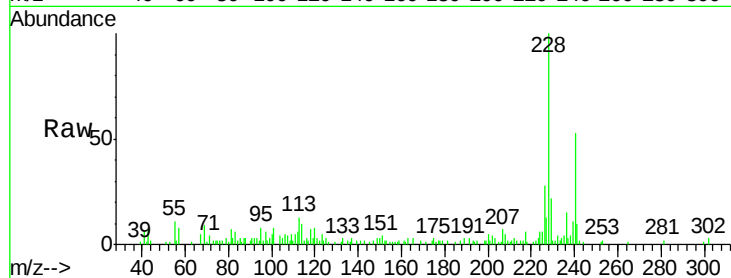




#82
Chrysene
Concen: 2.047 ng
RT: 14.18 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BF104074.D
Acq: 30 Mar 2018 2:39

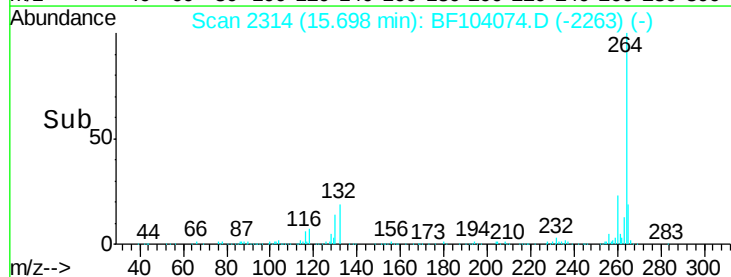
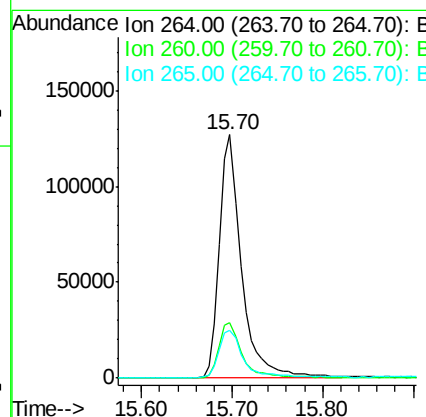
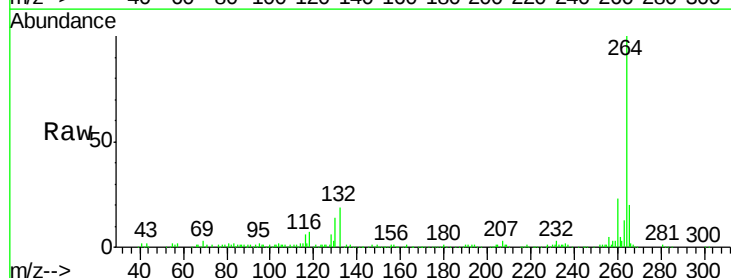
Instrument :
BNA_F
ClientSampleId :

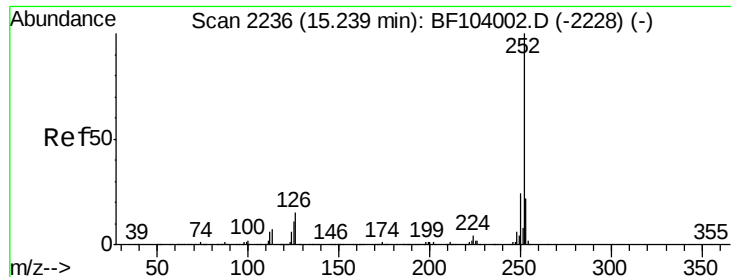
Tot Ion:228 Resp: 30422
Ion Ratio Lower Upper
228 100
226 28.2 25.0 37.6
229 22.0 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2314
Delta R.T. -0.00 min
Lab File: BF104074.D
Acq: 30 Mar 2018 2:39

Tgt Ion:264 Resp: 216453
Ion Ratio Lower Upper
264 100
260 22.9 19.2 28.8
265 19.6 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 4.198 ng

RT: 15.24 min Scan# 2236

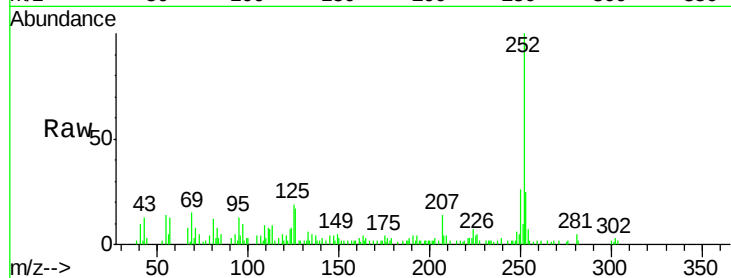
Delta R.T. -0.00 min

Lab File: BF104074.D

Acq: 30 Mar 2018 2:39

Instrument :
BNA_F
ClientSampleId :

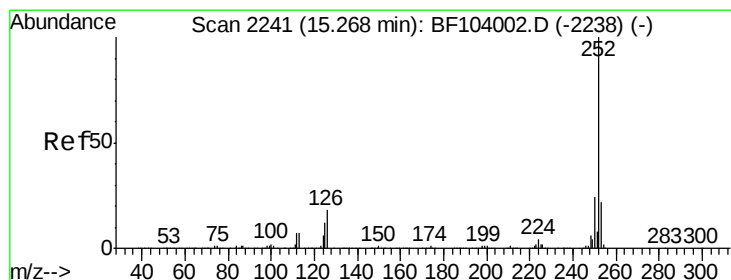
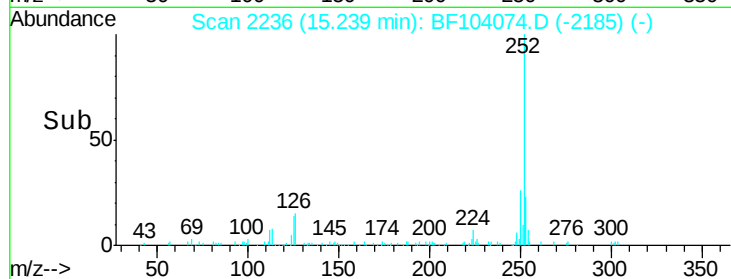
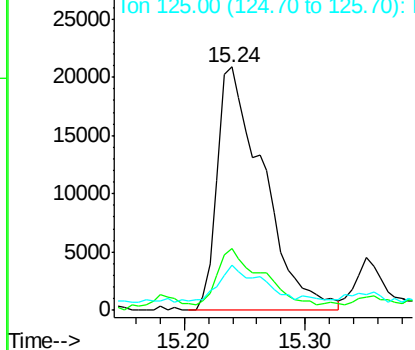
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.0	25.6
125	18.6	9.0	13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 4.456 ng

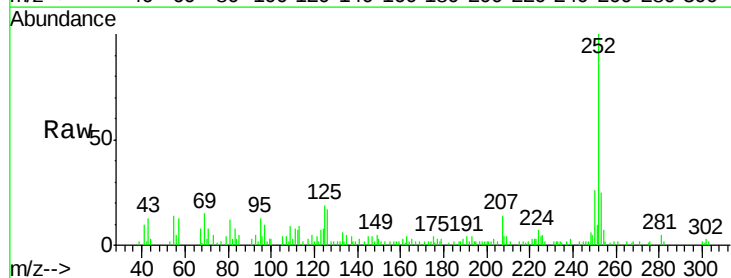
RT: 15.24 min Scan# 2236

Delta R.T. -0.03 min

Lab File: BF104074.D

Acq: 30 Mar 2018 2:39

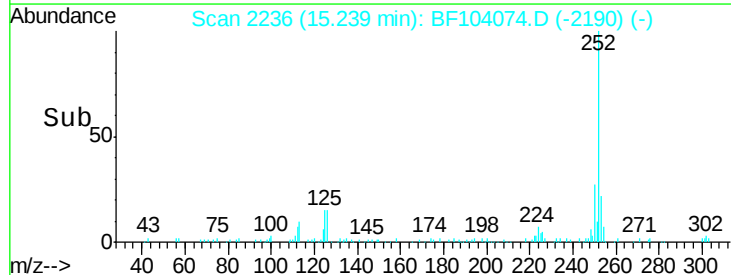
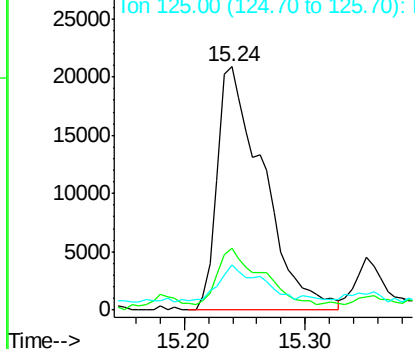
Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.9	26.9
125	18.6	10.2	15.2#

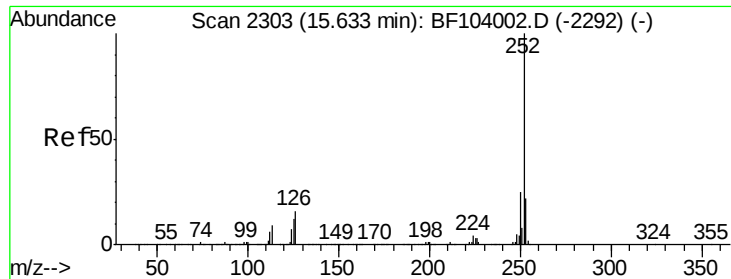


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.302 ng

RT: 15.63 min Scan# 2303

Delta R.T. -0.00 min

Lab File: BF104074.D

Acq: 30 Mar 2018 2:39

Instrument :

BNA_F

ClientSampleId :

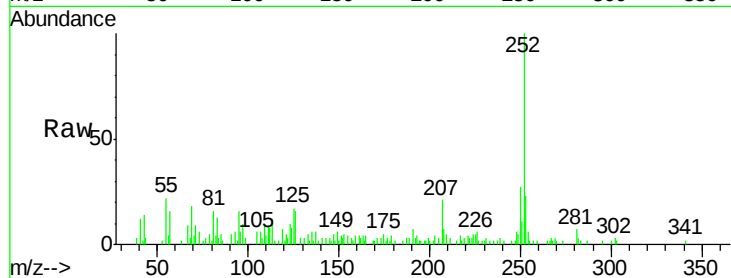
Tot Ion: 252 Resp: 28106

Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

125 16.9 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

