

Data Path : Z:\HPCHEM1\BNA F\DATA\BF033018\
 Data File : BF104110.D
 Acq On : 30 Mar 2018 23:06
 Operator : JU/SJ
 Sample : J2112-02 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 31 00:12:07 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 30 17:20:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	114606	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	472489	20.00	ng	0.00
38) Acenaphthene-d10	9.99	164	200898	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	313532	20.00	ng	0.00
75) Chrysene-d12	14.14	240	234980	20.00	ng	0.00
86) Perylene-d12	15.68	264	194936	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	400874	55.78	ng	0.00
7) Phenol-d6	6.59	99	545699	61.72	ng	0.00
23) Nitrobenzene-d5	7.52	82	318100	41.17	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	117005	52.30	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	538402	42.26	ng	0.00
78) Terphenyl-d14	13.07	244	404294	39.73	ng	0.00

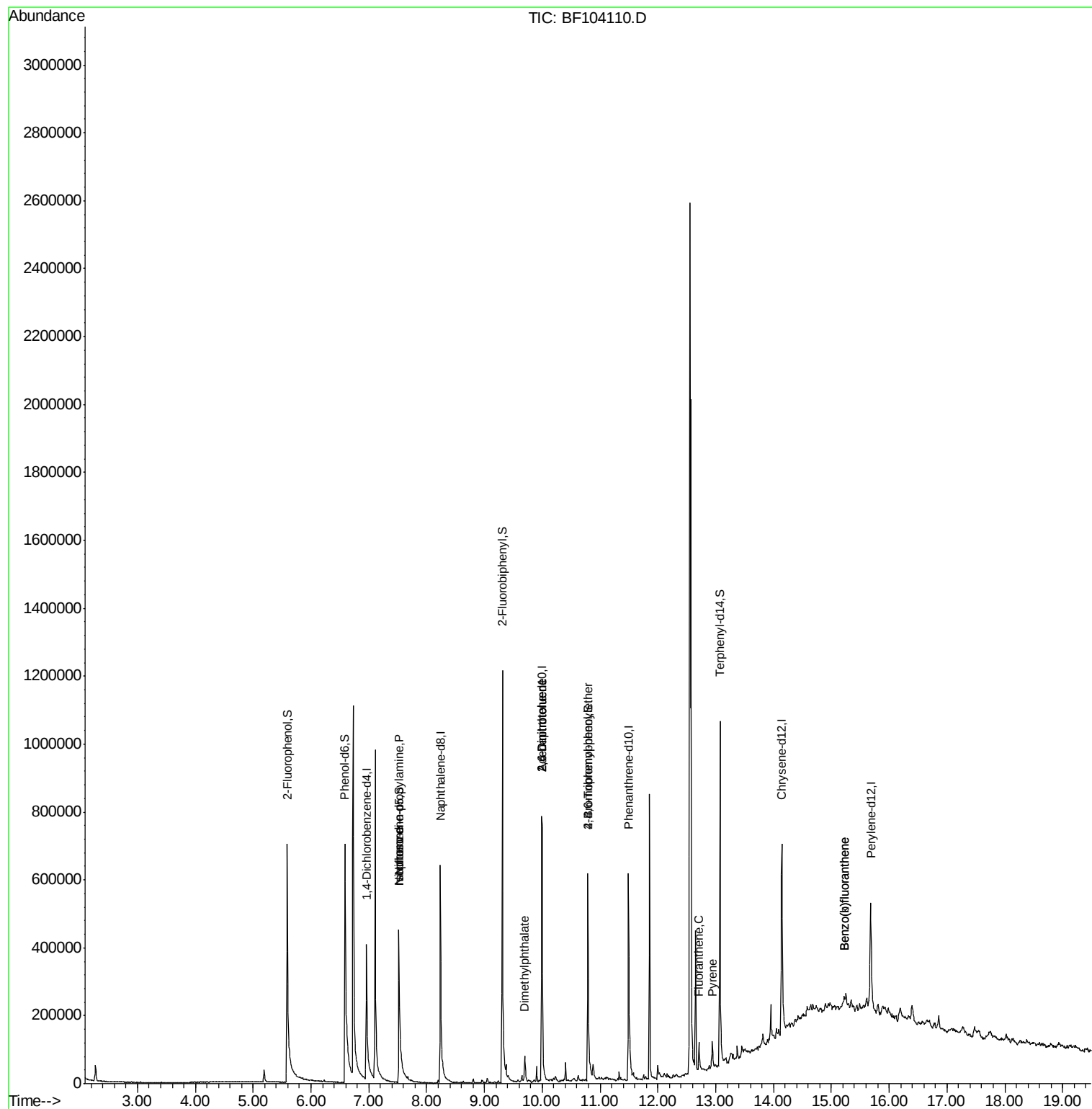
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.52	70	38061	7.254	ng	# 72
25) Isophorone	7.52	82	318100	22.341	ng	# 64
49) Dimethylphthalate	9.70	163	37052	2.336	ng	98
50) 2,6-Dinitrotoluene	9.99	165	25124	7.362	ng	# 25
56) 2,4-Dinitrotoluene	9.99	165	25743	5.912	ng	# 22
66) 4-Bromophenyl-phenylether	10.79	248	6735	2.008	ng	# 1
74) Fluoranthene	12.71	202	43118	2.390	ng	96
77) Pyrene	12.94	202	39239	2.323	ng	98
87) Benzo(b)fluoranthene	15.23	252	26378	2.223	ng	# 66
88) Benzo(k)fluoranthene	15.23	252	26378	2.360	ng	# 70

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

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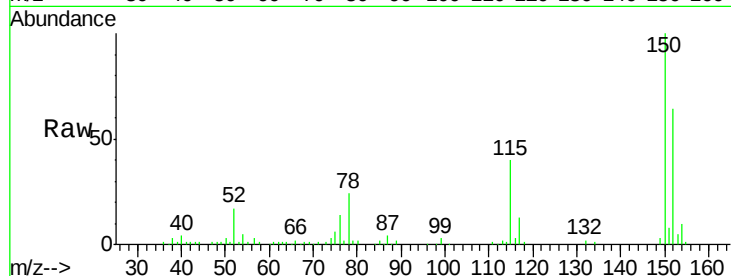


#1

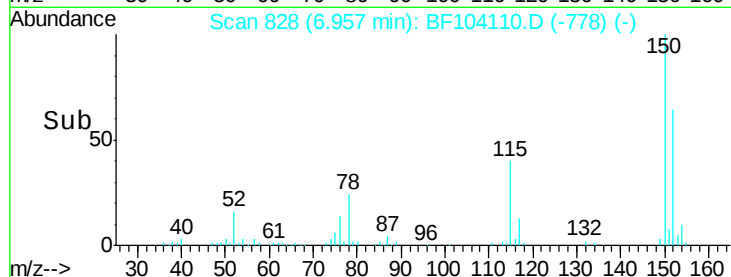
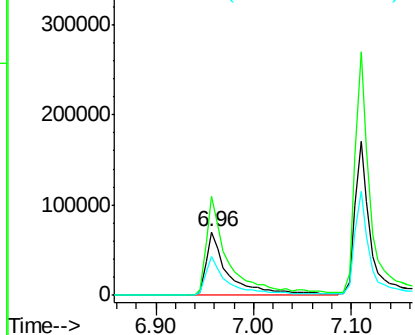
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.96 min Scan# 828
 Delta R.T. -0.01 min
 Lab File: BF104110.D
 Acq: 30 Mar 2018 23:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 114606
 Ion Ratio Lower Upper
 152 100
 150 156.4 124.6 186.8
 115 61.8 50.1 75.1



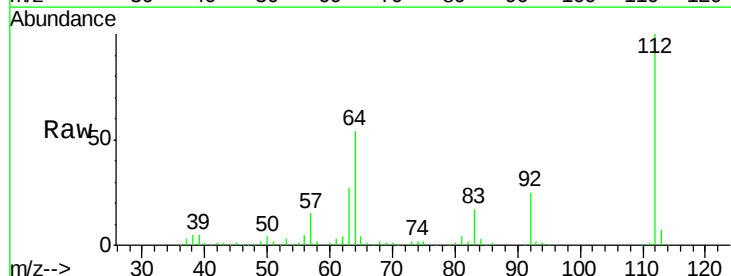
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



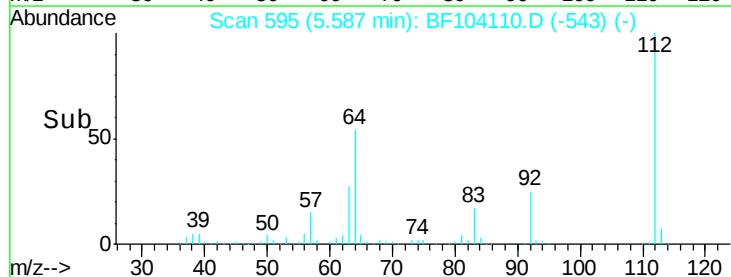
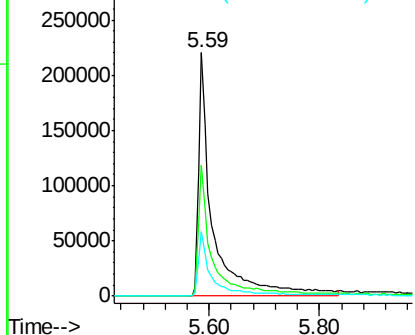
#5

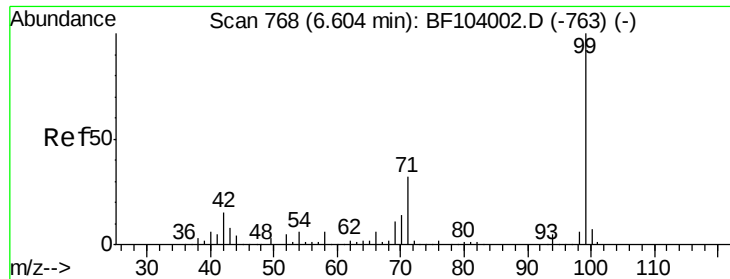
2-Fluorophenol
 Concen: 55.782 ng
 RT: 5.59 min Scan# 595
 Delta R.T. 0.01 min
 Lab File: BF104110.D
 Acq: 30 Mar 2018 23:06

Tgt Ion:112 Resp: 400874
 Ion Ratio Lower Upper
 112 100
 64 53.6 47.9 71.9
 63 26.7 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: 61.720 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF104110.D

Acq: 30 Mar 2018 23:06

Instrument :

BNA_F

ClientSampleId :

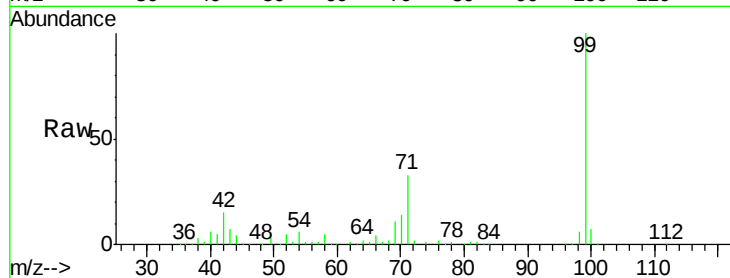
Tot Ion: 99 Resp: 545699

Ion Ratio Lower Upper

99 100

42 14.7 14.5 21.7

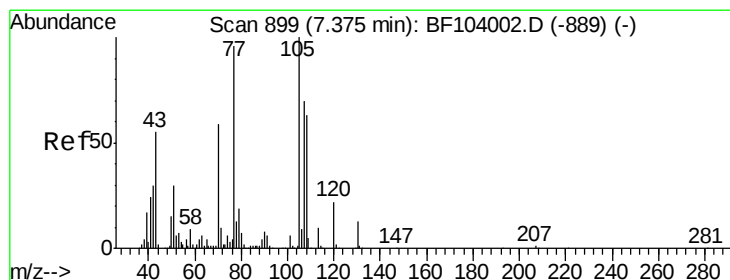
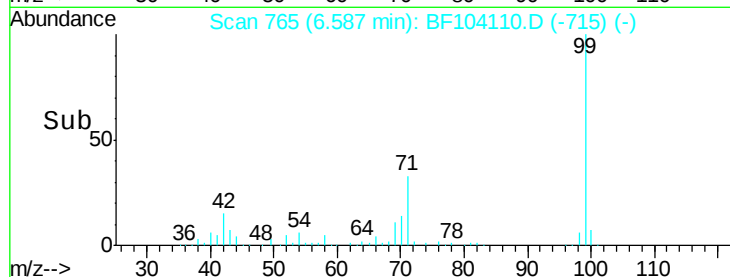
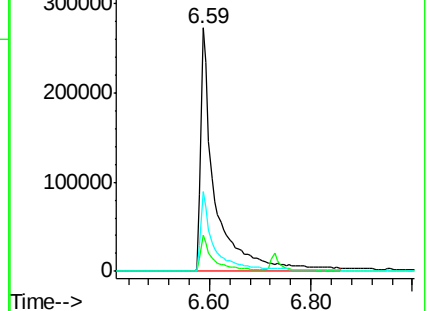
71 32.6 25.4 38.0



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: 7.254 ng

RT: 7.52 min Scan# 924

Delta R.T. 0.16 min

Lab File: BF104110.D

Acq: 30 Mar 2018 23:06

Tgt Ion: 70 Resp: 38061

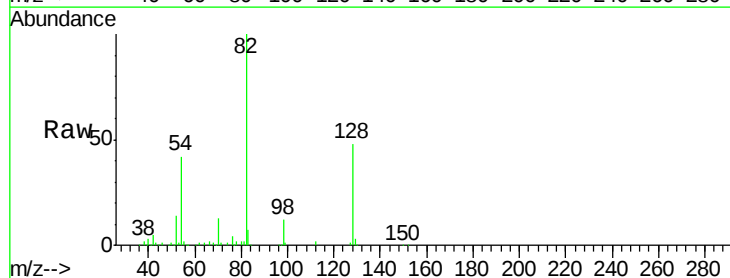
Ion Ratio Lower Upper

70 100

42 40.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

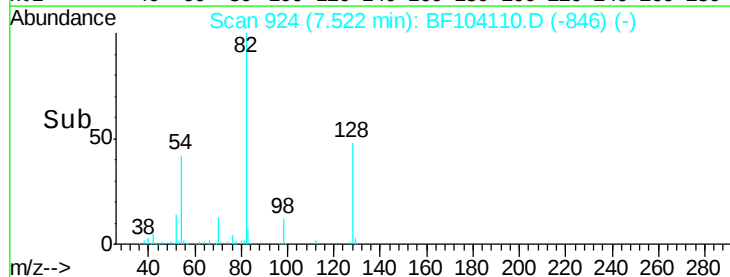
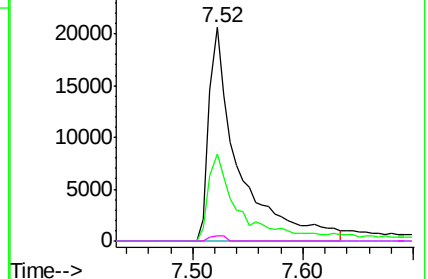


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.24 min Scan# 1046

Delta R.T. 0.00 min

Lab File: BF104110.D

Acq: 30 Mar 2018 23:06

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 472489

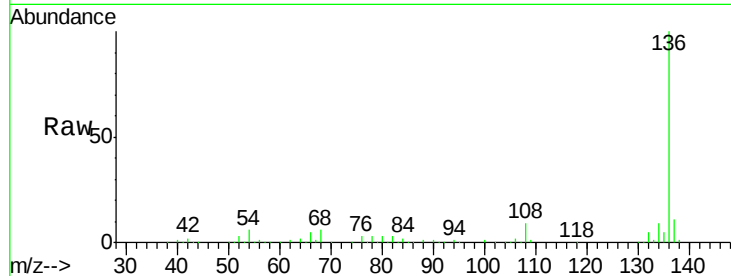
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 6.3 6.6 9.8#

68 5.5 5.0 7.4

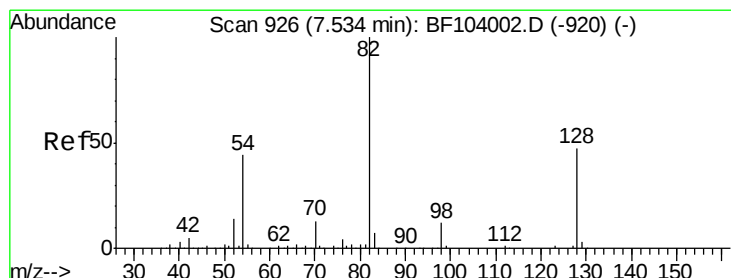
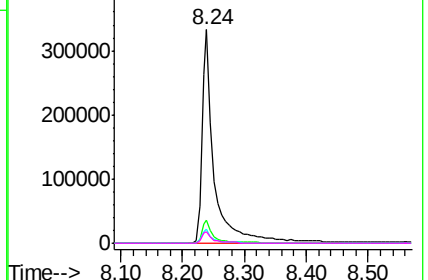
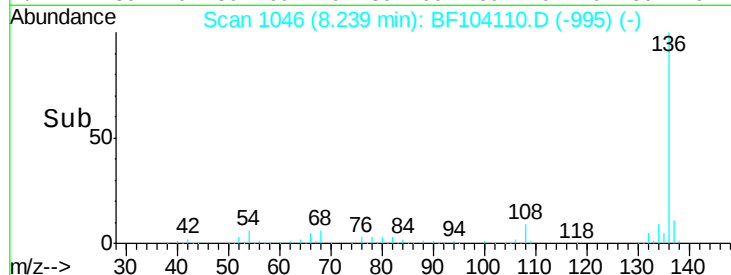


Abundance Ion 136.00 (135.70 to 136.70): E

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: 41.173 ng

RT: 7.52 min Scan# 924

Delta R.T. -0.01 min

Lab File: BF104110.D

Acq: 30 Mar 2018 23:06

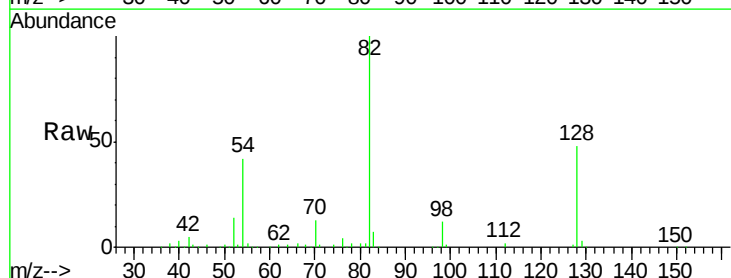
Tgt Ion: 82 Resp: 318100

Ion Ratio Lower Upper

82 100

128 47.9 36.1 54.1

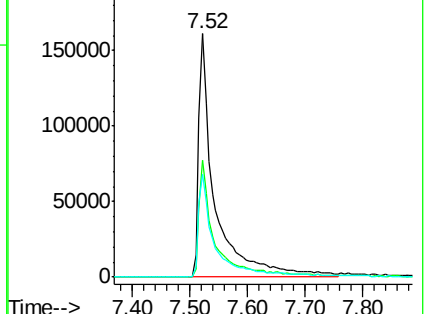
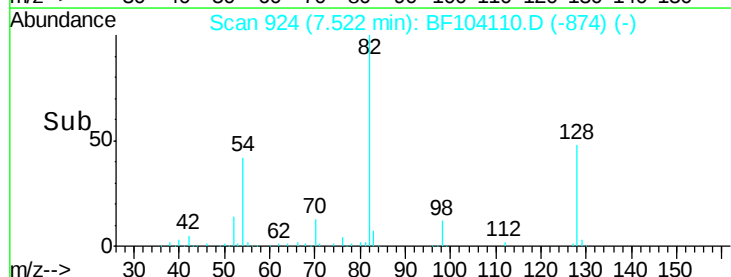
54 42.4 41.4 62.2

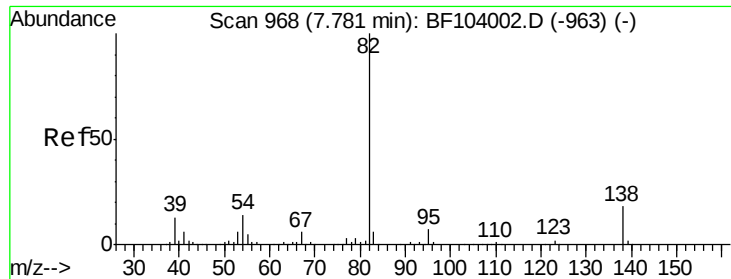


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

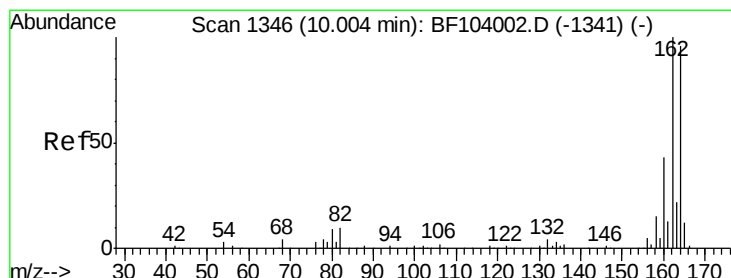
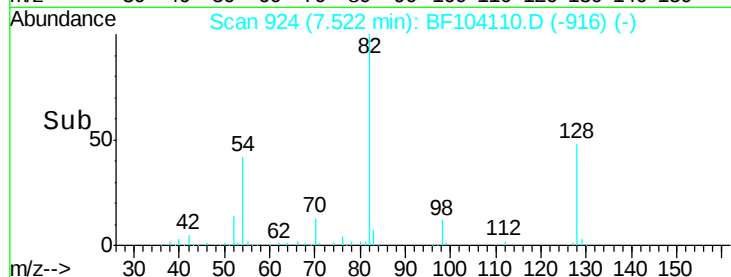
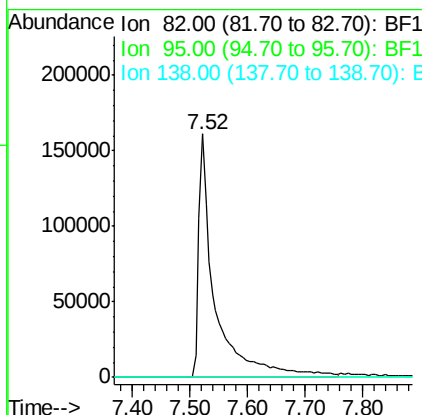
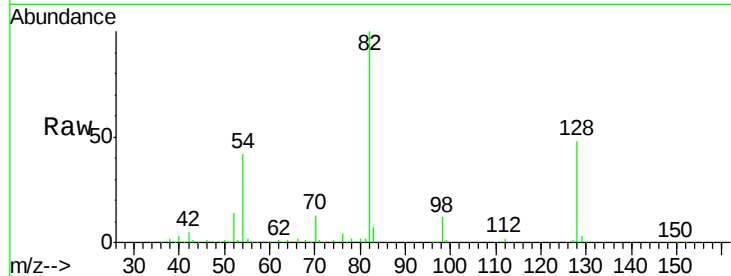




#25
Isophorone
Concen: 22.341 ng
RT: 7.52 min Scan# 924
Delta R.T. -0.25 min
Lab File: BF104110.D
Acq: 30 Mar 2018 23:06

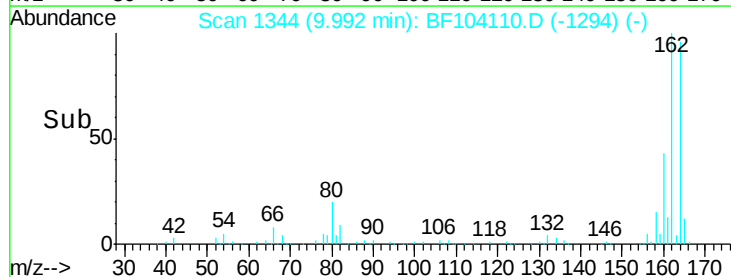
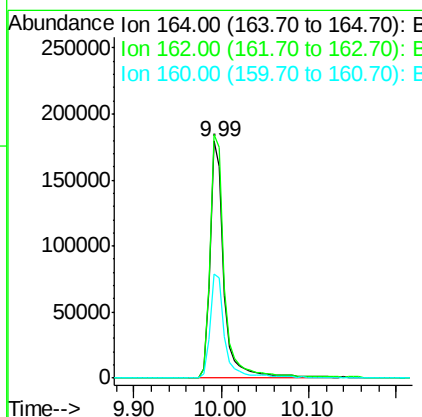
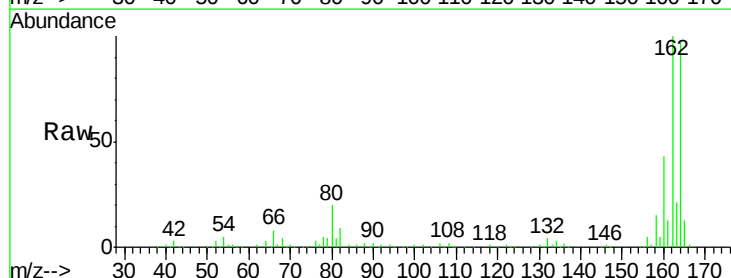
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 318100
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: 9.99 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BF104110.D
Acq: 30 Mar 2018 23:06

Tgt Ion:164 Resp: 200898
Ion Ratio Lower Upper
164 100
162 102.9 86.1 129.1
160 43.9 38.3 57.5

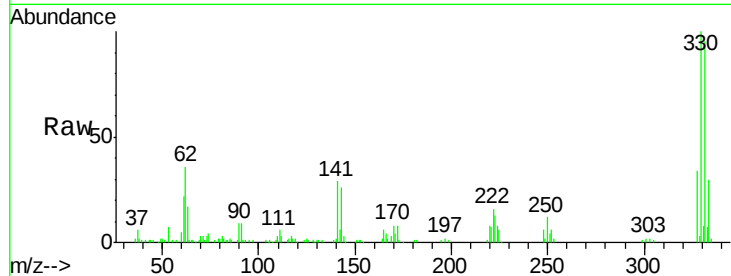




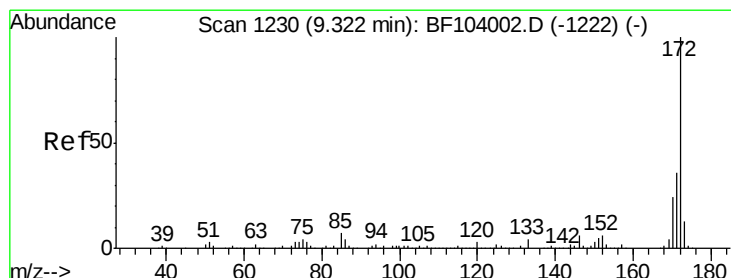
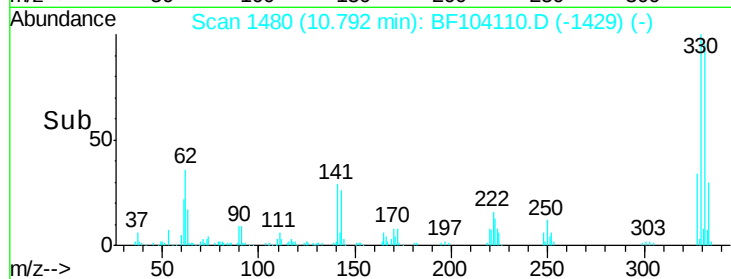
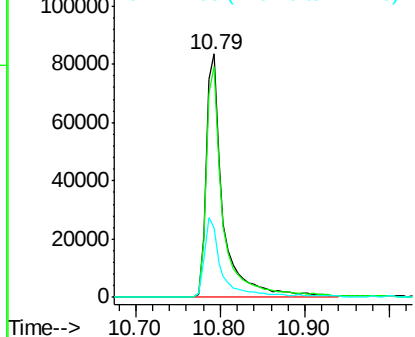
#41
 2,4,6-Tribromophenol
 Concen: 52.304 ng
 RT: 10.79 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: BF104110.D
 Acq: 30 Mar 2018 23:06

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 117005
 Ion Ratio Lower Upper
 330 100
 332 94.9 77.0 115.6
 141 31.5 29.9 44.9

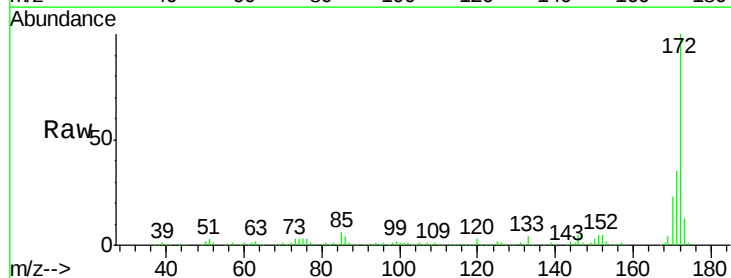


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

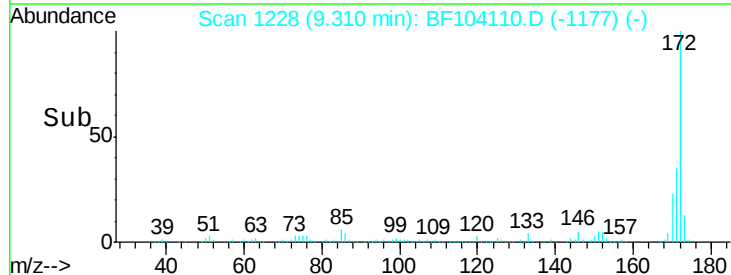
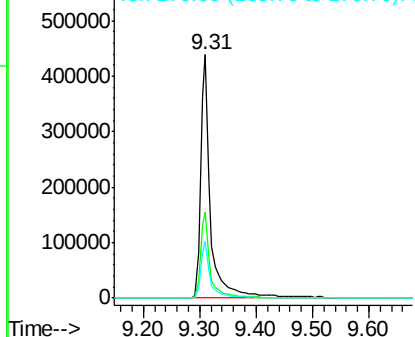


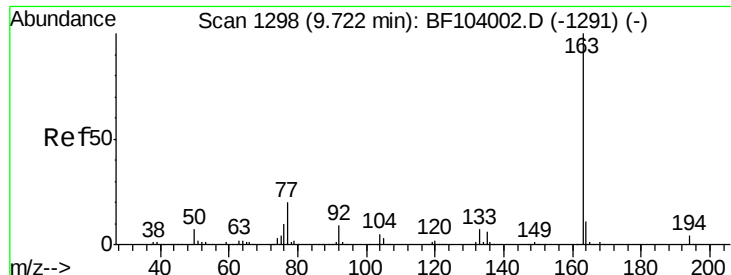
#44
 2-Fluorobiphenyl
 Concen: 42.261 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: BF104110.D
 Acq: 30 Mar 2018 23:06

Tgt Ion:172 Resp: 538402
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.7 44.5
 170 23.2 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

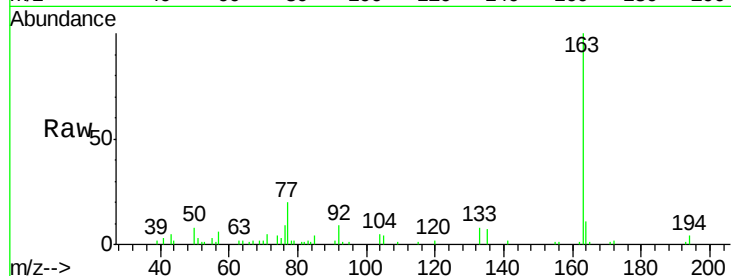




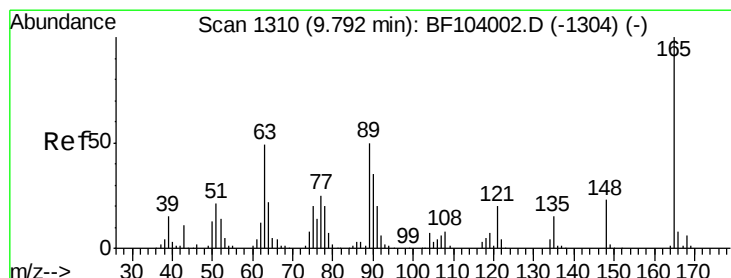
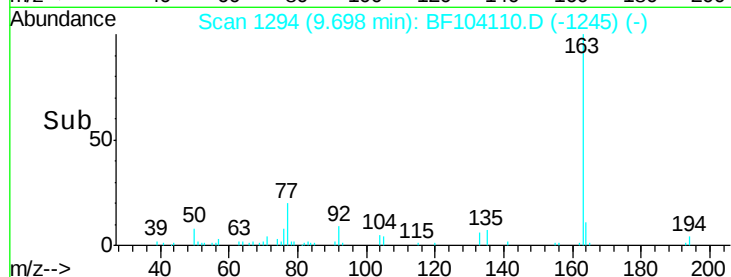
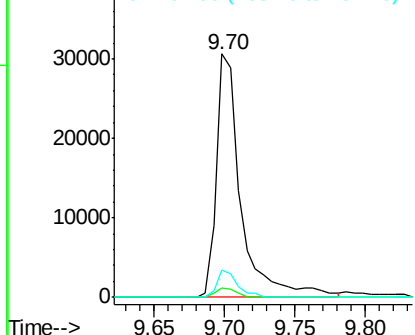
#49
Dimethylphthalate
Concen: 2.336 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF104110.D
Acq: 30 Mar 2018 23:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 37052
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 11.2 8.2 12.2

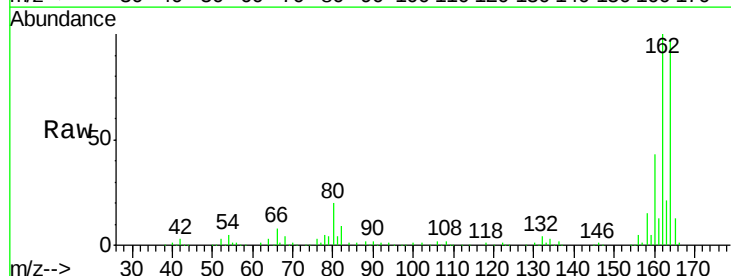


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

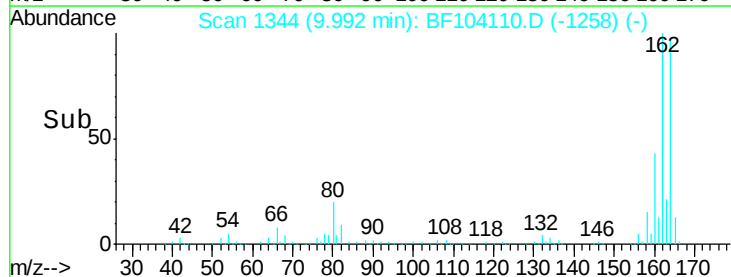
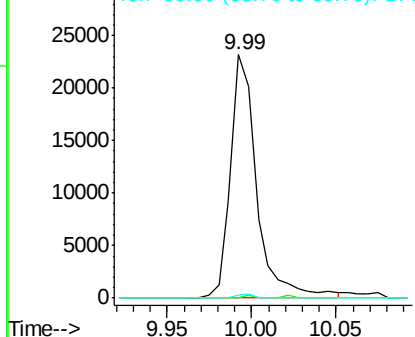


#50
2,6-Dinitrotoluene
Concen: 7.362 ng
RT: 9.99 min Scan# 1344
Delta R.T. 0.21 min
Lab File: BF104110.D
Acq: 30 Mar 2018 23:06

Tgt Ion:165 Resp: 25124
Ion Ratio Lower Upper
165 100
63 0.0 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

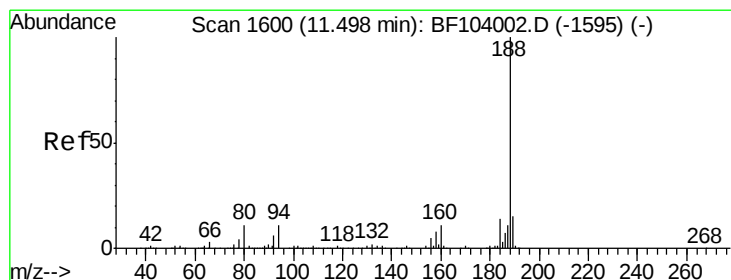
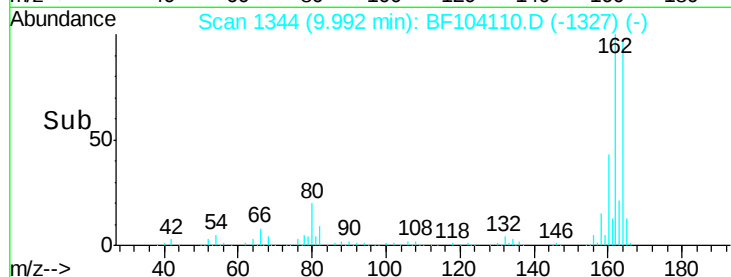
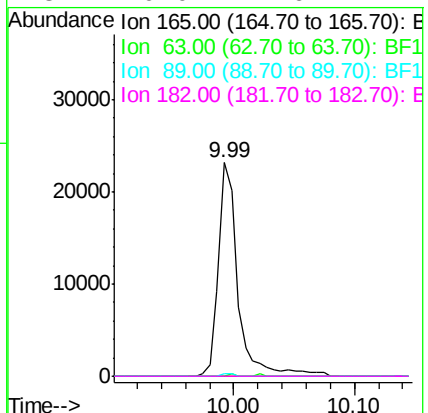
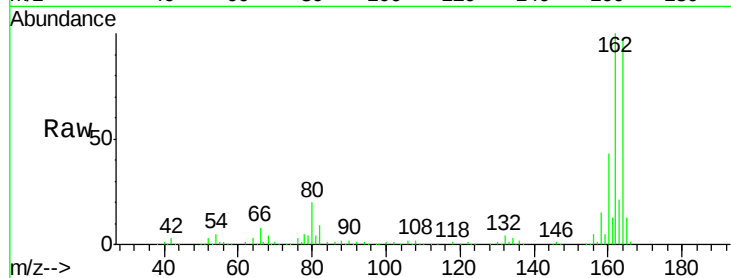




#56
2,4-Dinitrotoluene
Concen: 5.912 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.20 min
Lab File: BF104110.D
Acq: 30 Mar 2018 23:06

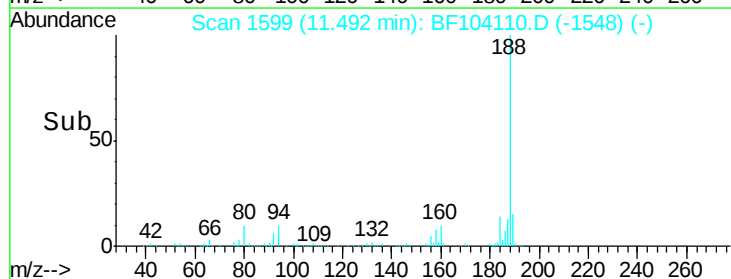
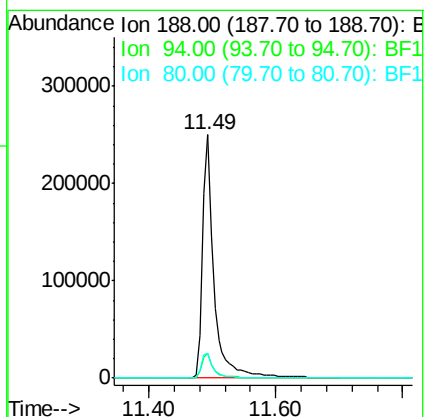
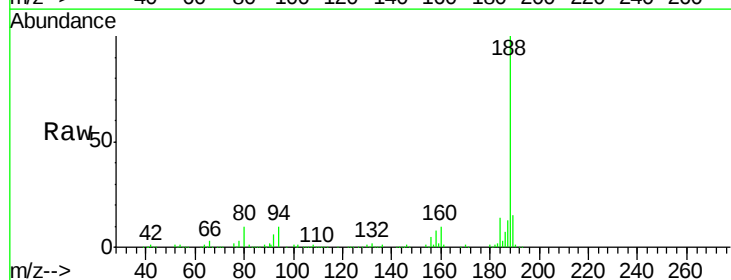
Instrument :
BNA_F
ClientSampleId :

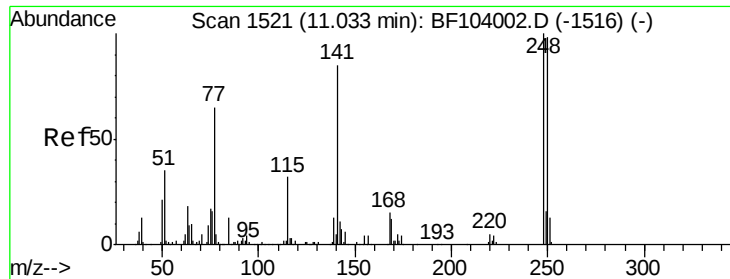
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: BF104110.D
Acq: 30 Mar 2018 23:06

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.5	12.7
80	10.2	9.2	13.8

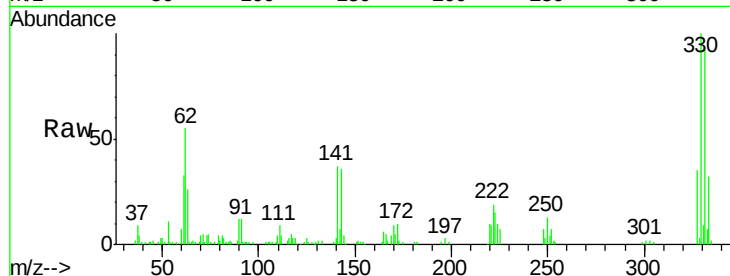




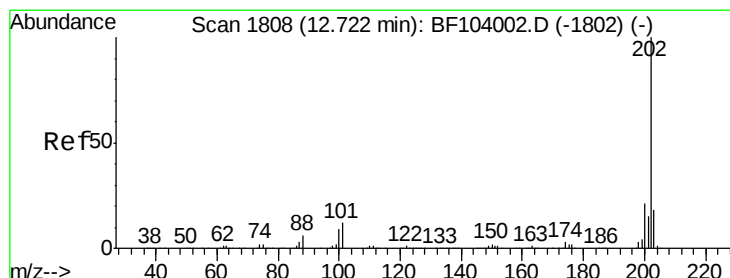
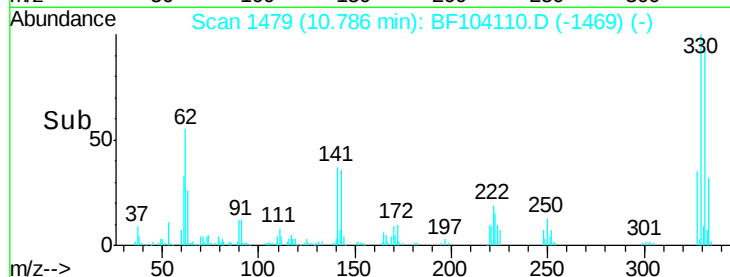
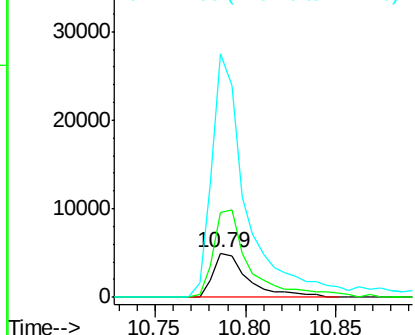
#66
4-Bromophenyl-phenylether
Concen: 2.008 ng
RT: 10.79 min Scan# 1479
Delta R.T. -0.24 min
Lab File: BF104110.D
Acq: 30 Mar 2018 23:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 6735
Ion Ratio Lower Upper
248 100
250 191.6 76.9 115.3#
141 546.3 74.4 111.6#

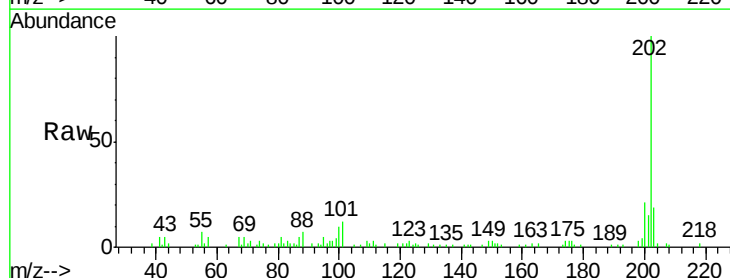


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

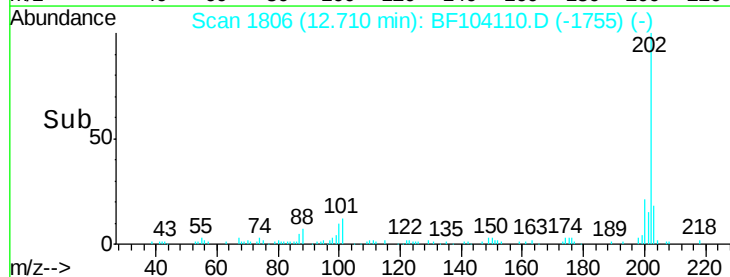
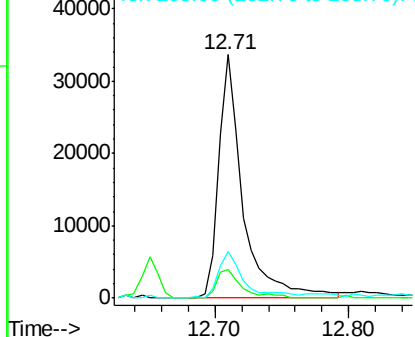


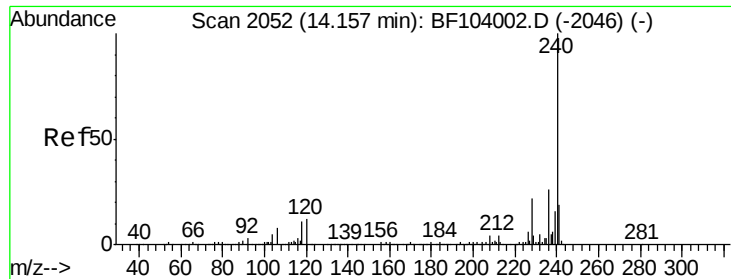
#74
Fluoranthene
Concen: 2.390 ng
RT: 12.71 min Scan# 1806
Delta R.T. 0.00 min
Lab File: BF104110.D
Acq: 30 Mar 2018 23:06

Tgt Ion:202 Resp: 43118
Ion Ratio Lower Upper
202 100
101 11.8 0.0 34.1
203 19.1 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: 14.14 min Scan# 2050

Delta R.T. 0.00 min

Lab File: BF104110.D

Acq: 30 Mar 2018 23:06

Instrument :

BNA_F

ClientSampleId :

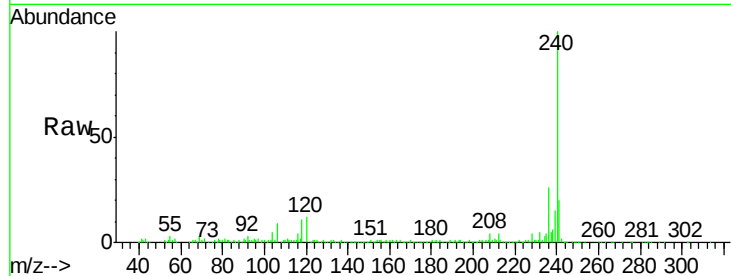
Tot Ion:240 Resp: 234980

Ion Ratio Lower Upper

240 100

120 11.9 9.5 14.3

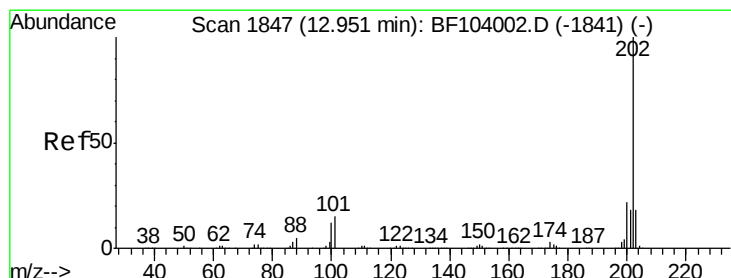
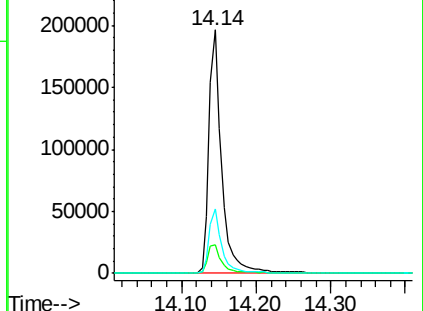
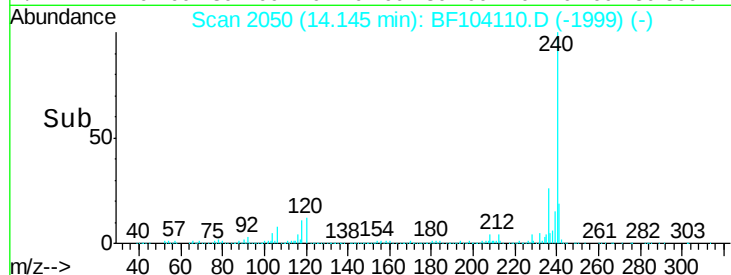
236 26.2 20.7 31.1



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: 2.323 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF104110.D

Acq: 30 Mar 2018 23:06

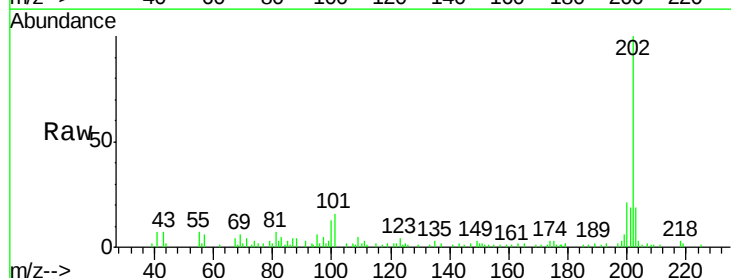
Tgt Ion:202 Resp: 39239

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

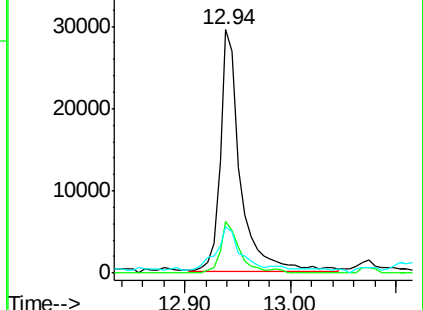
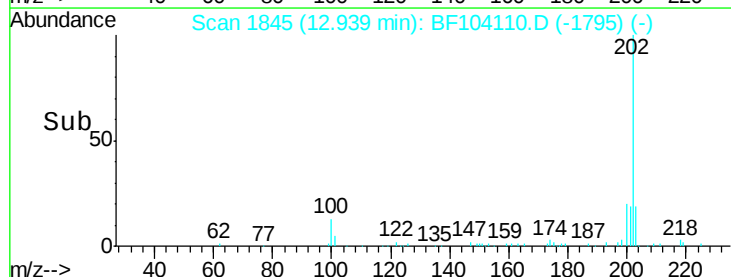
203 19.1 14.3 21.5

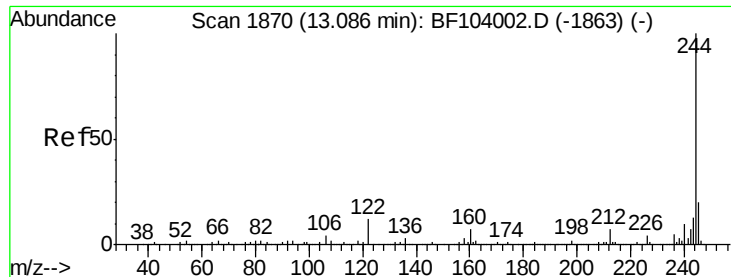


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 39.727 ng

RT: 13.07 min Scan# 1868

Delta R.T. 0.00 min

Lab File: BF104110.D

Acq: 30 Mar 2018 23:06

Instrument :

BNA_F

ClientSampleId :

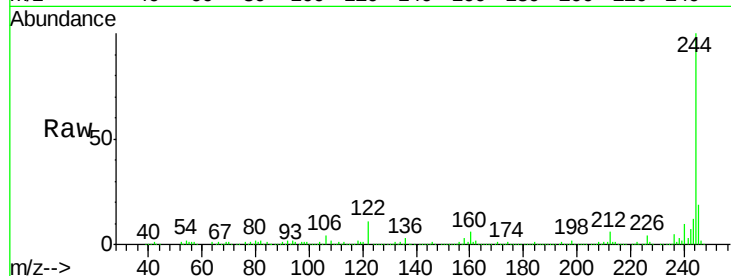
Tot Ion:244 Resp: 404294

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

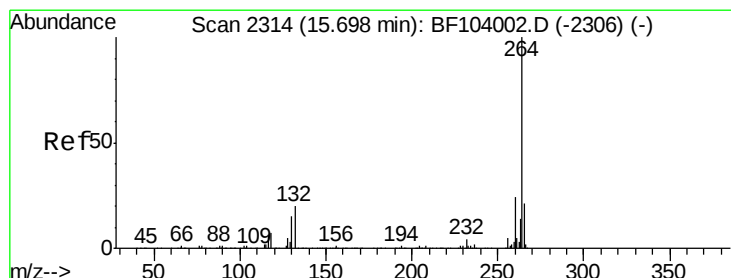
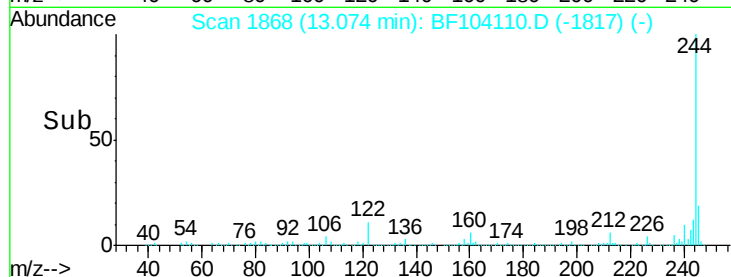
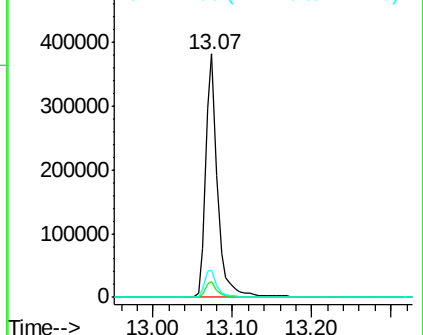
122 11.2 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2311

Delta R.T. 0.00 min

Lab File: BF104110.D

Acq: 30 Mar 2018 23:06

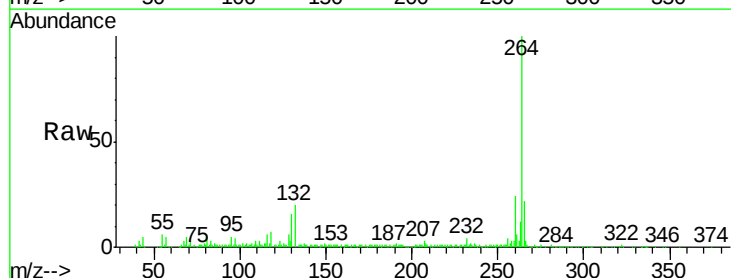
Tgt Ion:264 Resp: 194936

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

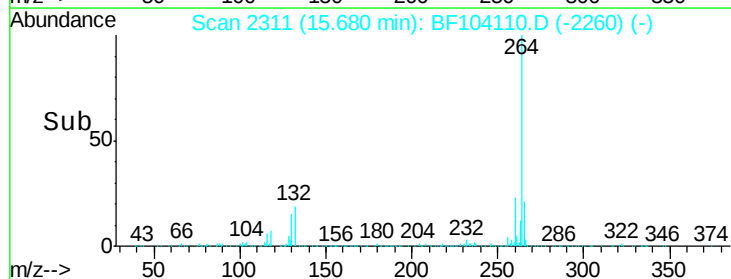
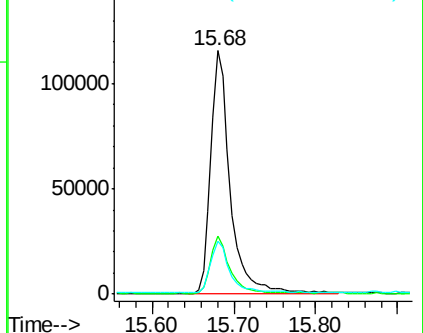
265 21.8 17.5 26.3

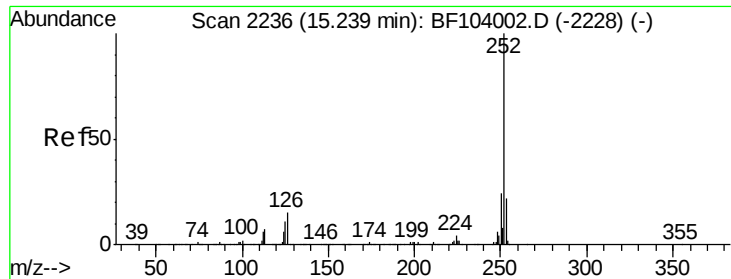


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

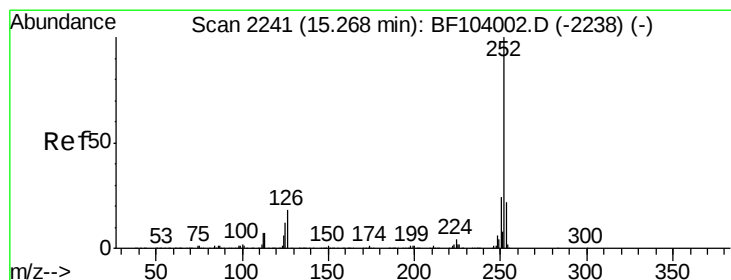
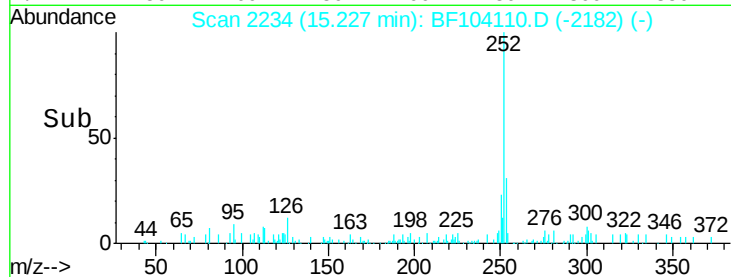
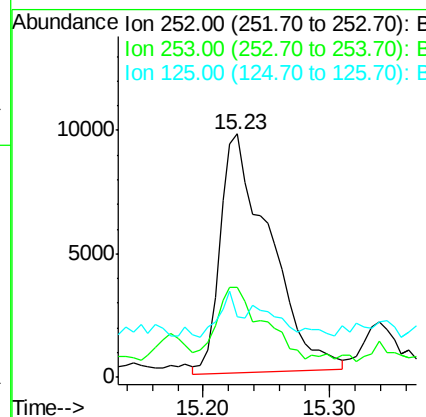
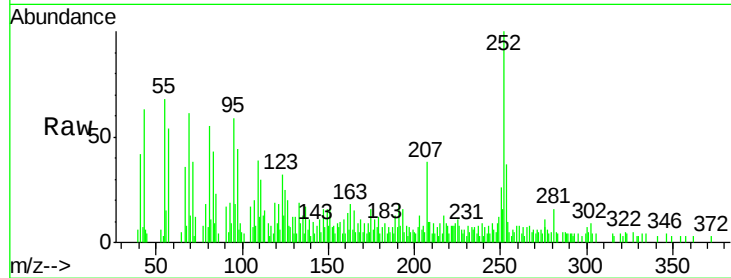




#87
Benzo(b)fluoranthene
Concen: 2.223 ng
RT: 15.23 min Scan# 2234
Delta R.T. 0.01 min
Lab File: BF104110.D
Acq: 30 Mar 2018 23:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 26378
Ion Ratio Lower Upper
252 100
253 37.0 17.0 25.6#
125 24.6 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 2.360 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.03 min
Lab File: BF104110.D
Acq: 30 Mar 2018 23:06

Tgt Ion:252 Resp: 26378
Ion Ratio Lower Upper
252 100
253 37.0 17.9 26.9#
125 24.6 10.2 15.2#

