

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF040218\
 Data File : BF104150.D
 Acq On : 2 Apr 2018 21:49
 Operator : JU/SJ
 Sample : J2178-01
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 03 01:10:09 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 02 13:40:00 2018
 Response via : Initial Calibration

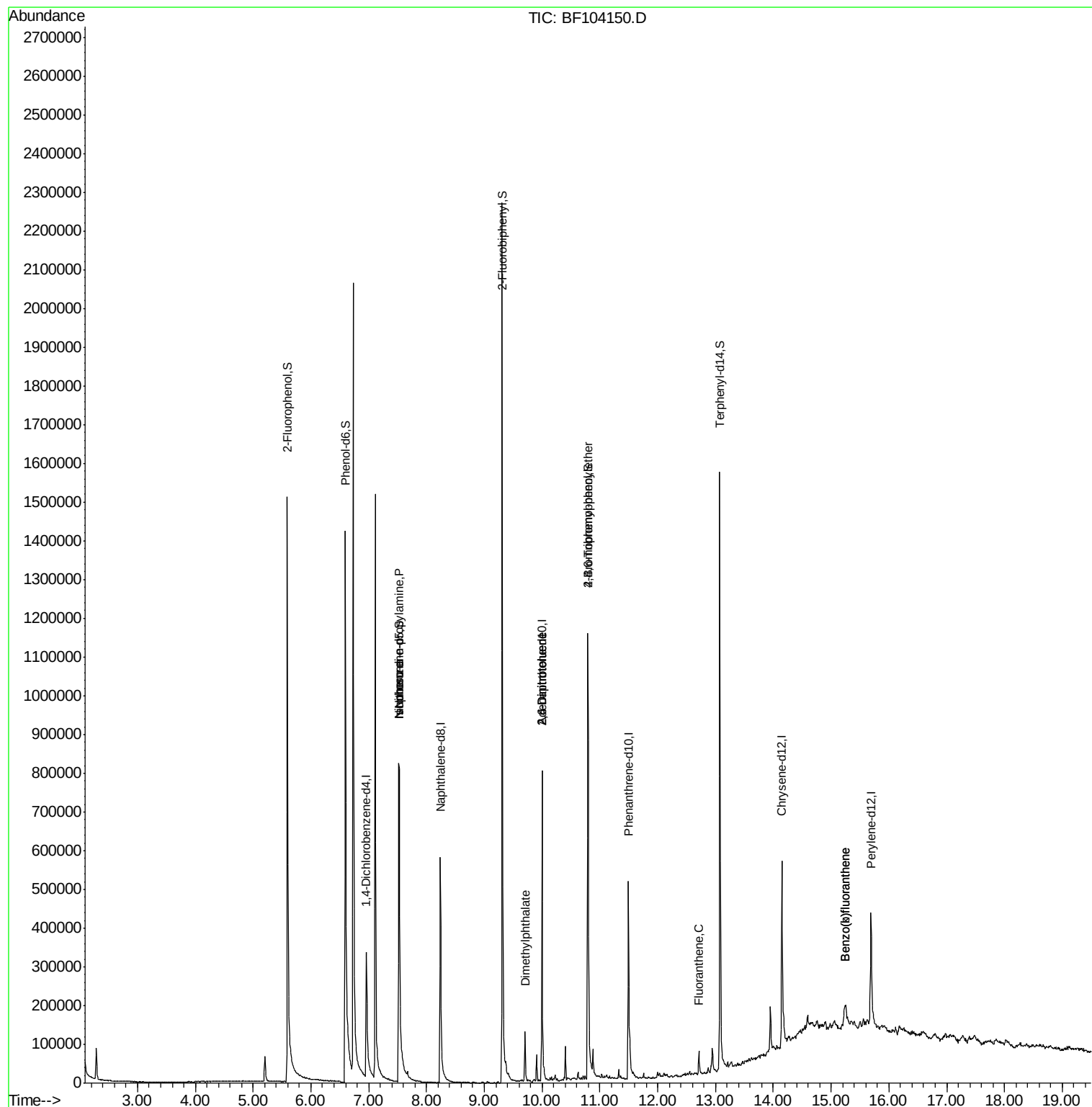
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	97826	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	399534	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	178546	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	273431	20.00	ng	0.00
75) Chrysene-d12	14.15	240	216718	20.00	ng	0.00
86) Perylene-d12	15.69	264	195846	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	679753	110.81	ng	0.00
7) Phenol-d6	6.60	99	882269	116.90	ng	0.00
23) Nitrobenzene-d5	7.52	82	515979	78.98	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	193159	97.16	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	863407	76.26	ng	0.00
78) Terphenyl-d14	13.07	244	641747	68.37	ng	0.00
Target Compounds						
9) Benzaldehyde	6.60	77	936	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.52	70	61334	13.694 ng	#	74
25) Isophorone	7.52	82	515979	42.856 ng	#	64
49) Dimethylphthalate	9.70	163	65071	4.616 ng	#	98
50) 2,6-Dinitrotoluene	10.00	165	22852	7.535 ng	#	26
56) 2,4-Dinitrotoluene	10.00	165	23011	5.946 ng	#	24
66) 4-Bromophenyl-phenylether	10.79	248	11239	3.842 ng	#	1
74) Fluoranthene	12.72	202	33160	2.107 ng	#	95
87) Benzo(b)fluoranthene	15.23	252	31223	2.620 ng	#	81
88) Benzo(k)fluoranthene	15.23	252	31223	2.781 ng	#	84

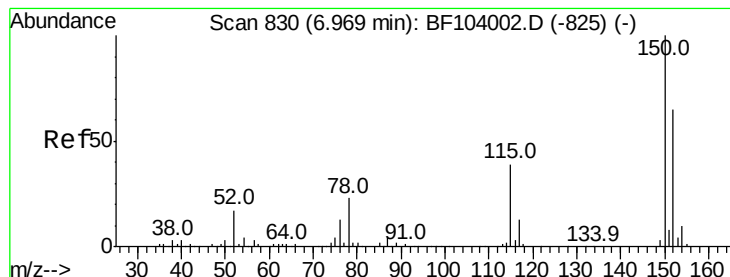
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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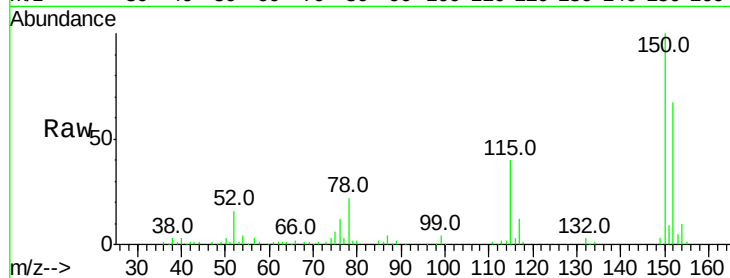


#1

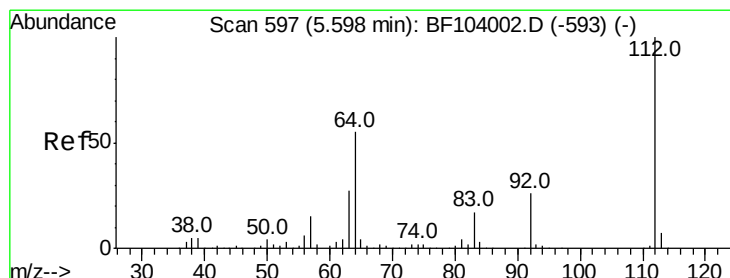
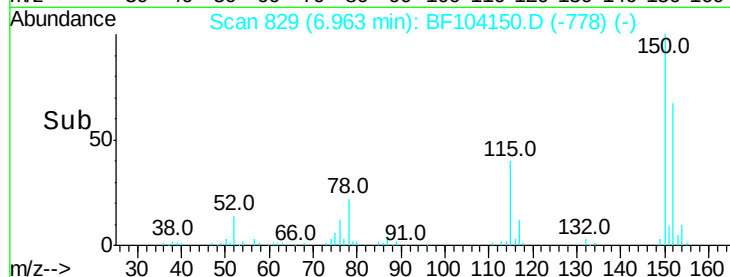
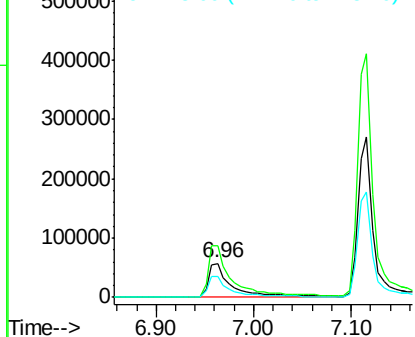
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.00 min
Lab File: BF104150.D
Acq: 2 Apr 2018 21:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 97826
Ion Ratio Lower Upper
152 100
150 150.1 124.6 186.8
115 60.3 50.1 75.1



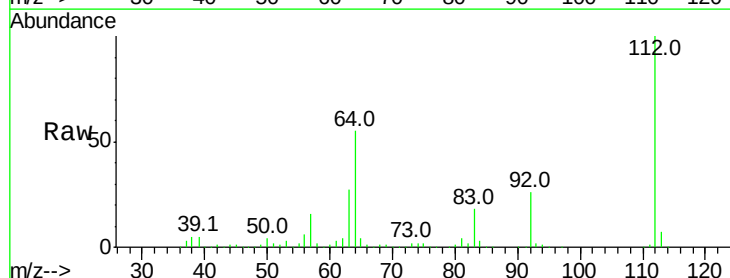
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



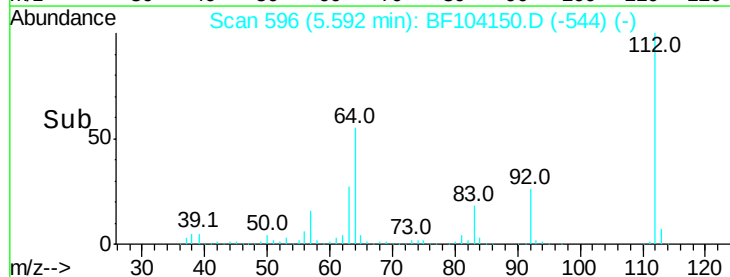
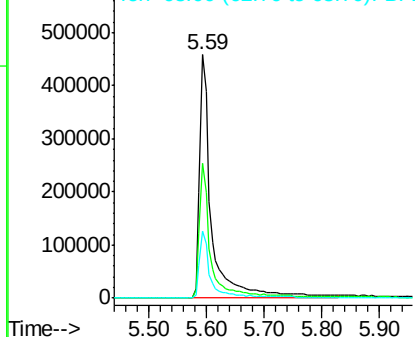
#5

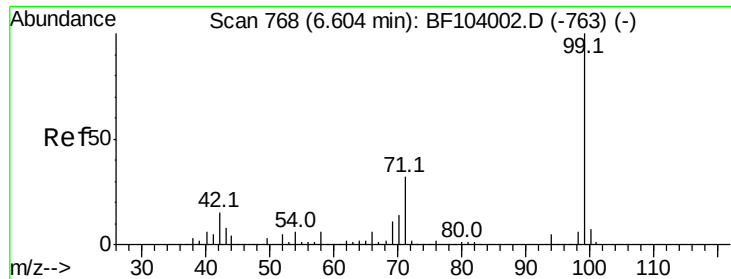
2-Fluorophenol
Concen: 110.813 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.01 min
Lab File: BF104150.D
Acq: 2 Apr 2018 21:49

Tgt Ion:112 Resp: 679753
Ion Ratio Lower Upper
112 100
64 55.2 47.9 71.9
63 27.5 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: 116.903 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF104150.D

Acq: 2 Apr 2018 21:49

Instrument :

BNA_F

ClientSampleId :

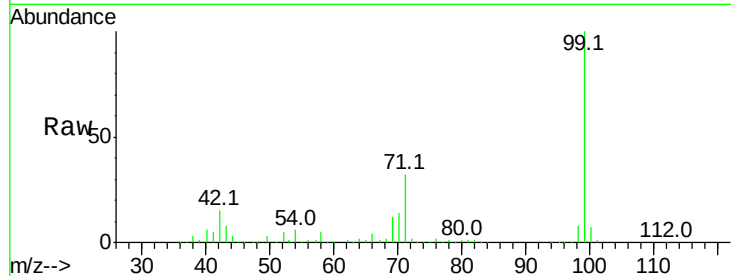
Tot Ion: 99 Resp: 882269

Ion Ratio Lower Upper

99 100

42 14.6 14.5 21.7

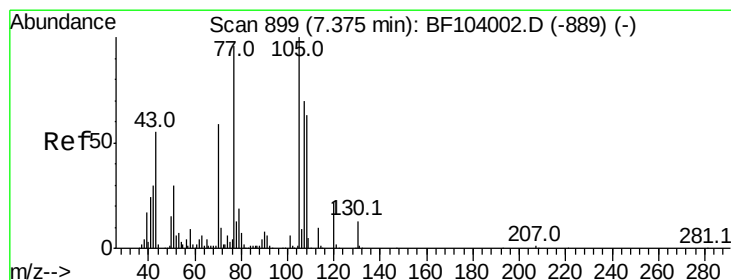
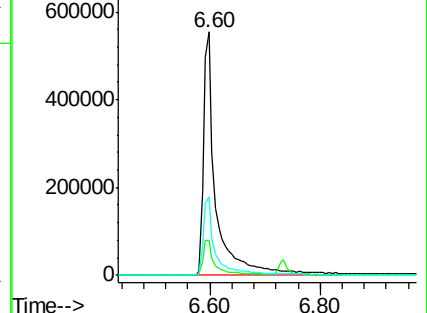
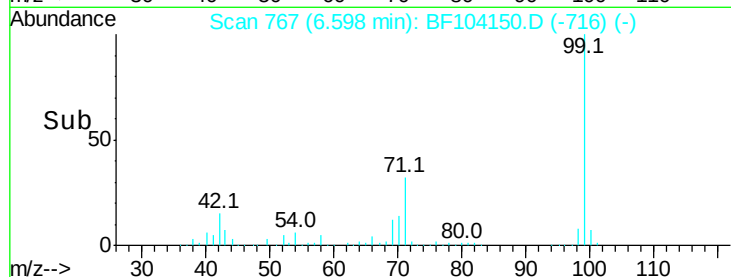
71 32.1 25.4 38.0



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: 13.694 ng

RT: 7.52 min Scan# 924

Delta R.T. 0.15 min

Lab File: BF104150.D

Acq: 2 Apr 2018 21:49

Tgt Ion: 70 Resp: 61334

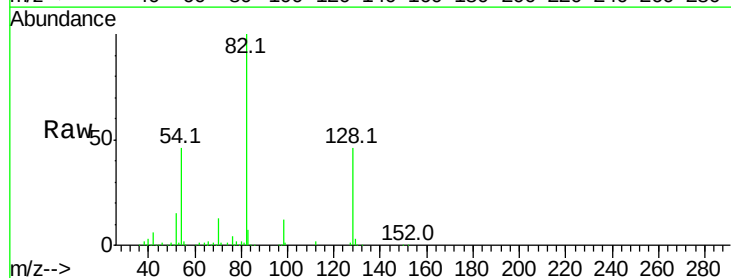
Ion Ratio Lower Upper

70 100

42 43.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

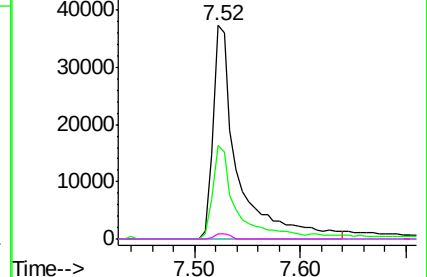
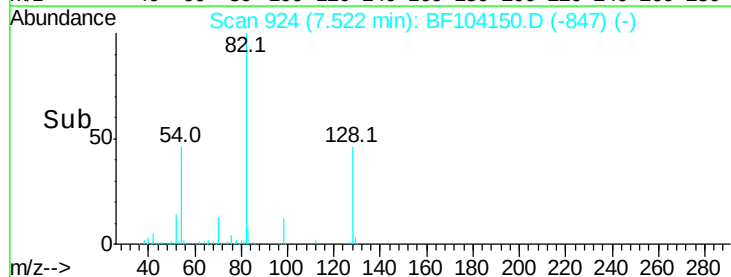


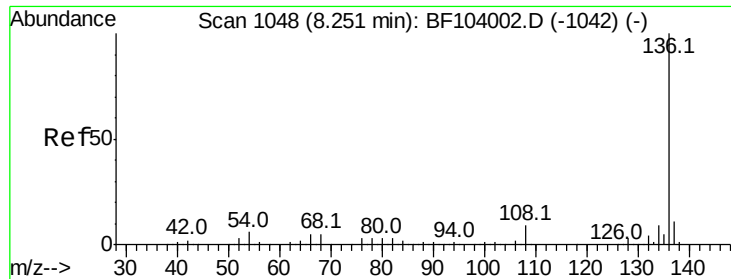
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

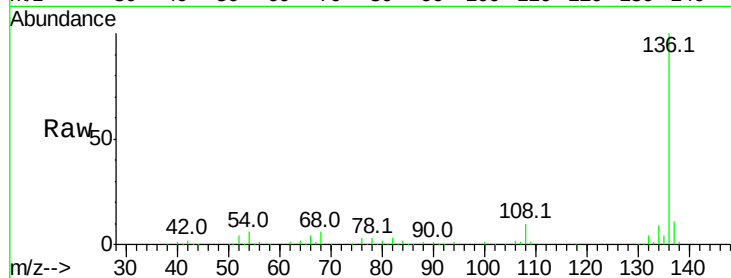




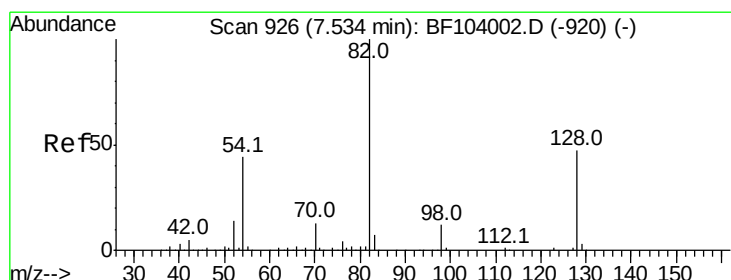
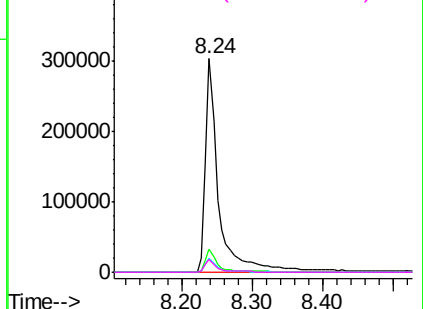
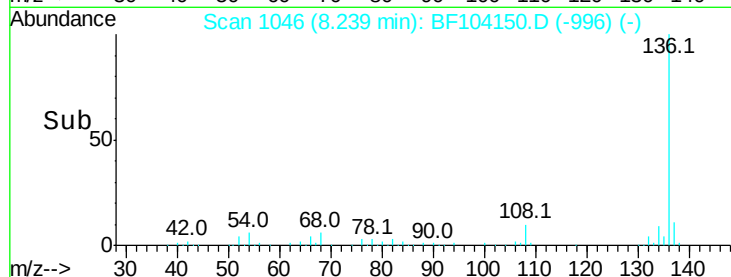
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BF104150.D
Acq: 2 Apr 2018 21:49

Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	399534
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	6.4	6.6	9.8#
68	5.8	5.0	7.4

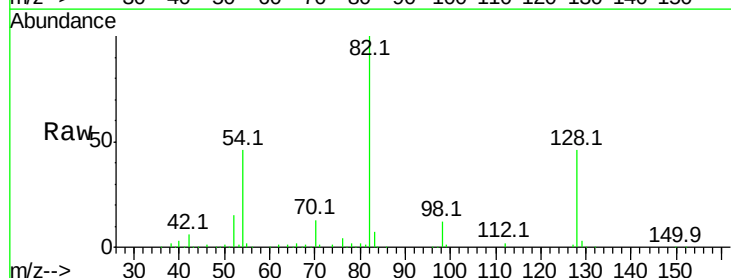


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

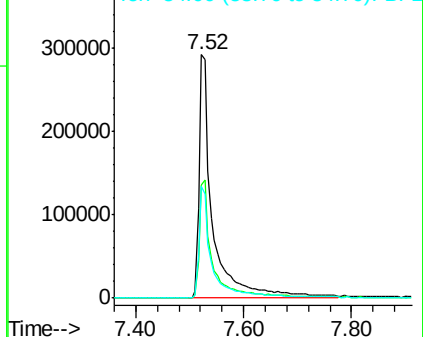
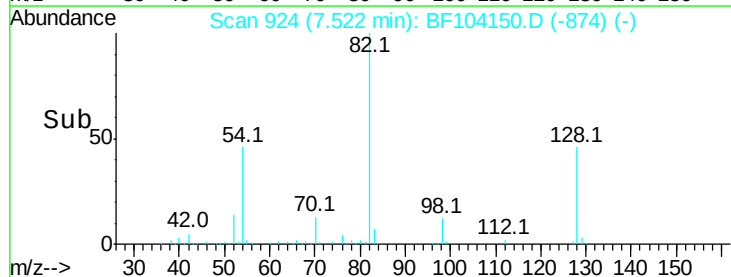


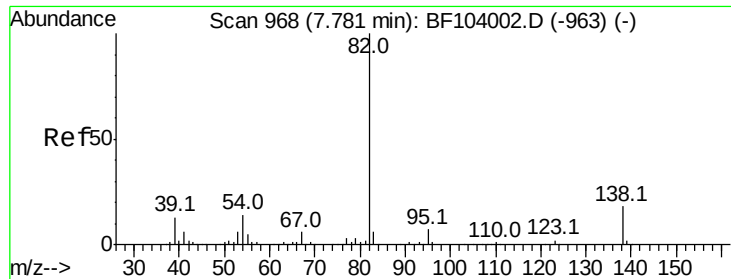
#23
Nitrobenzene-d5
Concen: 78.979 ng
RT: 7.52 min Scan# 924
Delta R.T. -0.01 min
Lab File: BF104150.D
Acq: 2 Apr 2018 21:49

Tgt Ion:	82	Resp:	515979
Ion	Ratio	Lower	Upper
82	100		
128	46.4	36.1	54.1
54	46.0	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: 42.856 ng

RT: 7.52 min Scan# 924

Delta R.T. -0.25 min

Lab File: BF104150.D

Acq: 2 Apr 2018 21:49

Instrument :

BNA_F

ClientSampleId :

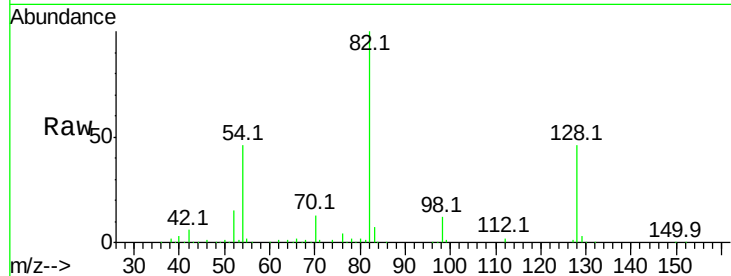
Tot Ion: 82 Resp: 515979

Ion Ratio Lower Upper

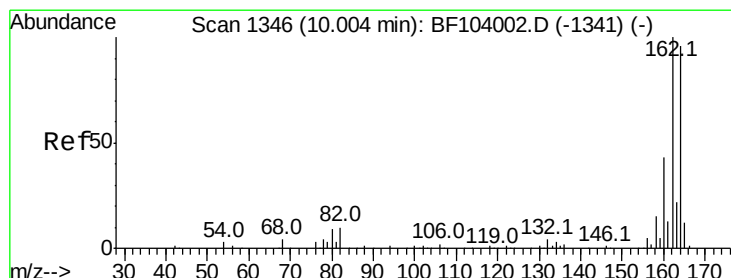
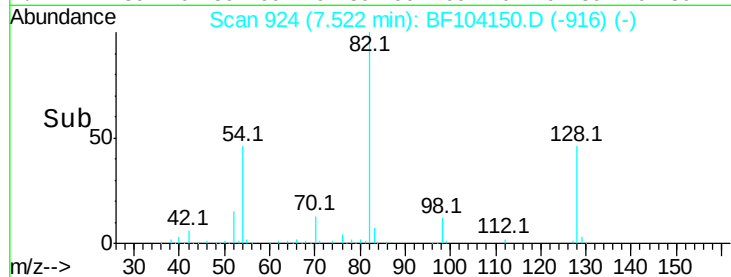
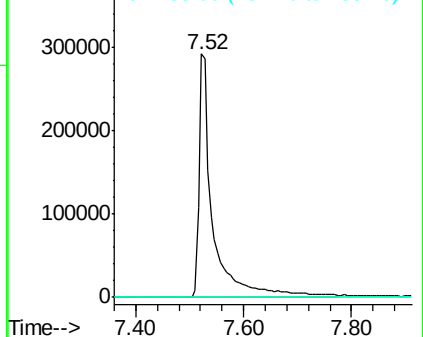
82 100

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# 1345

Delta R.T. -0.00 min

Lab File: BF104150.D

Acq: 2 Apr 2018 21:49

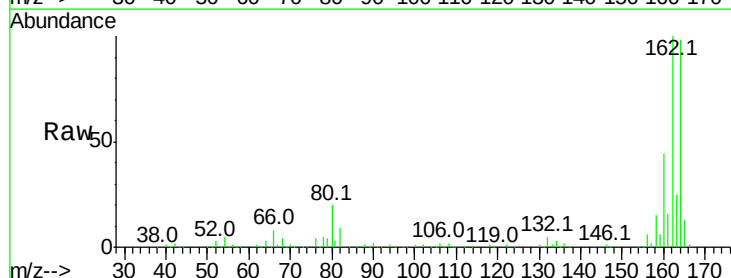
Tgt Ion:164 Resp: 178546

Ion Ratio Lower Upper

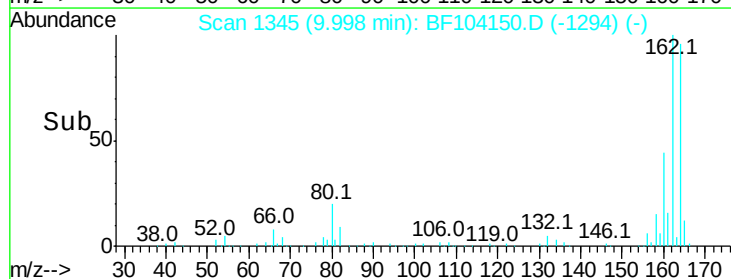
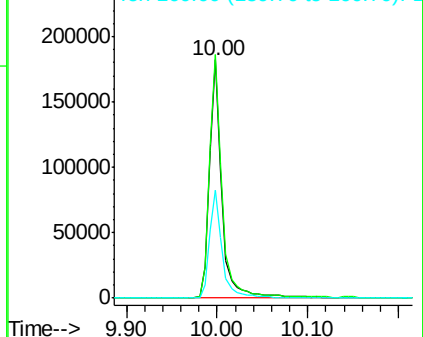
164 100

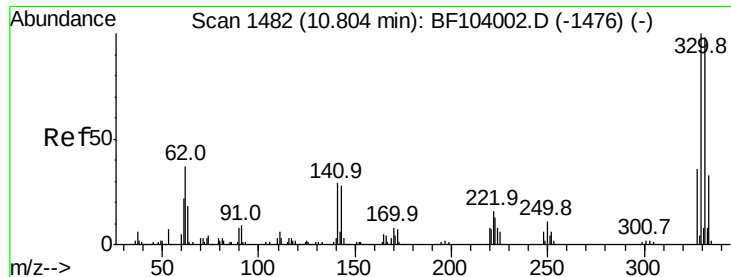
162 102.1 86.1 129.1

160 45.1 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

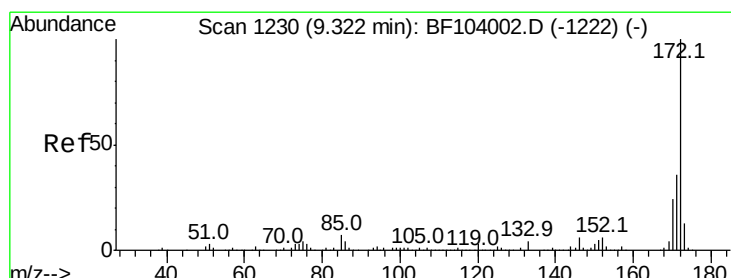
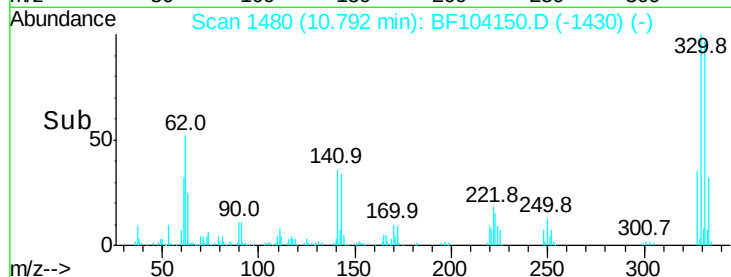
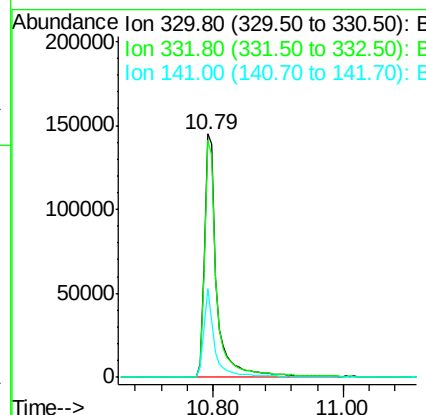
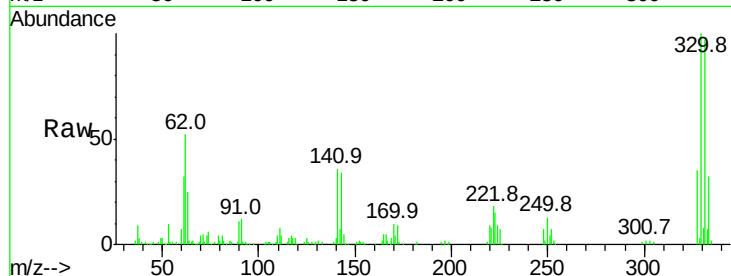




#41
 2,4,6-Tribromophenol
 Concen: 97.157 ng
 RT: 10.79 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: BF104150.D
 Acq: 2 Apr 2018 21:49

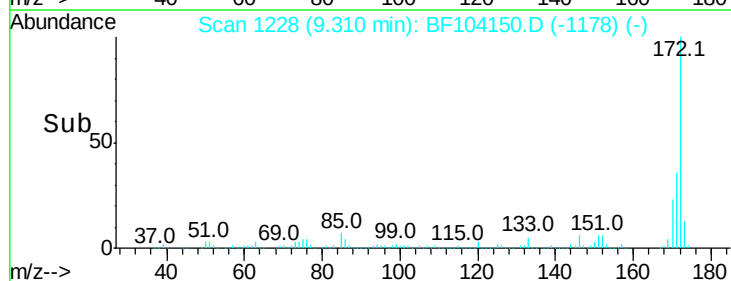
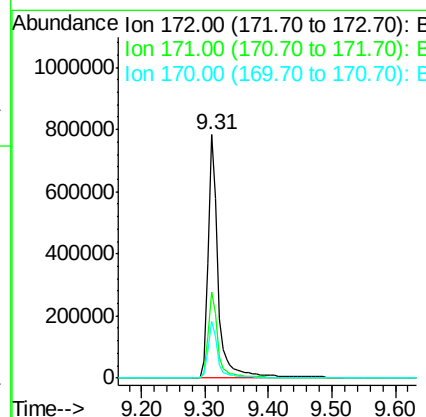
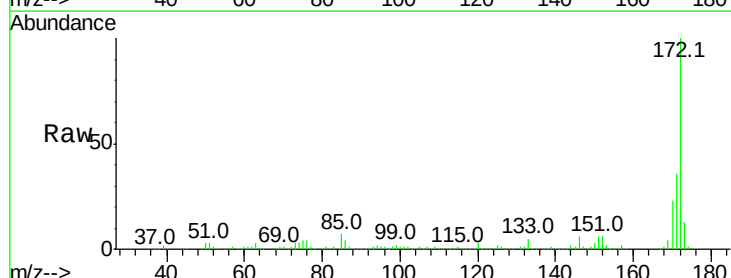
Instrument :
 BNA_F
 ClientSampleId :

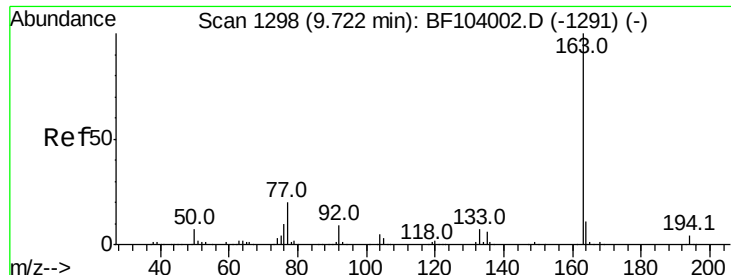
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	31.0	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 76.256 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF104150.D
 Acq: 2 Apr 2018 21:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	23.5	19.6	29.4

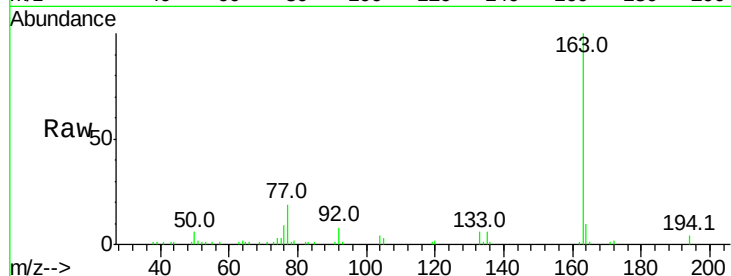




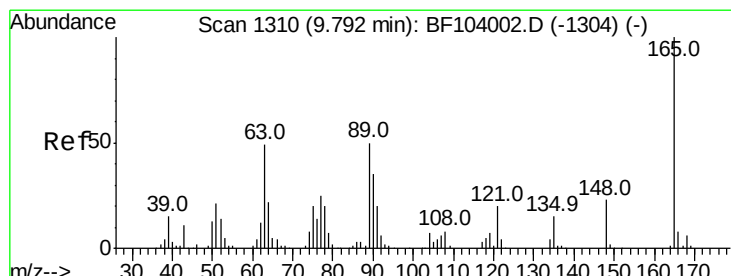
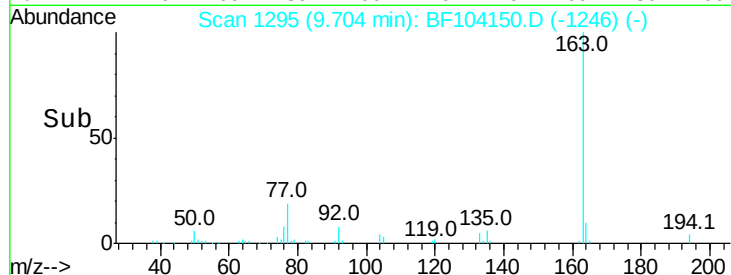
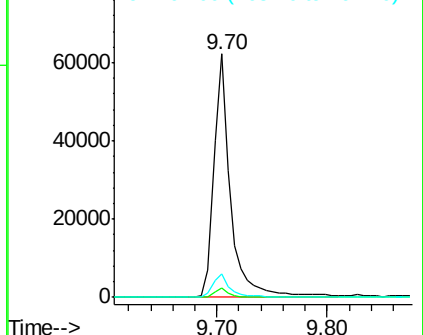
#49
Dimethylphthalate
Concen: 4.616 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF104150.D
Acq: 2 Apr 2018 21:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 65071
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 9.6 8.2 12.2

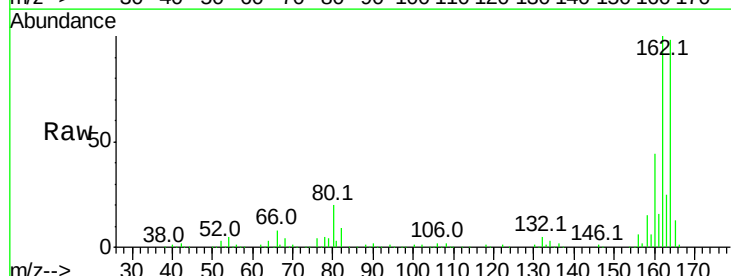


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

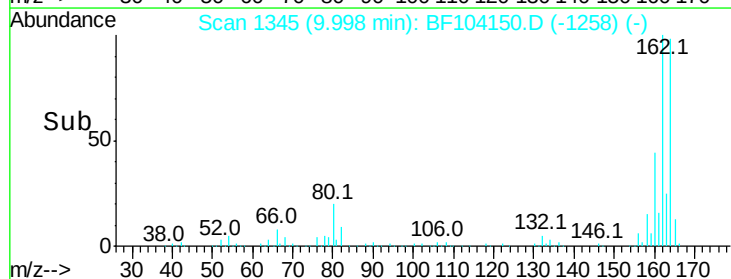
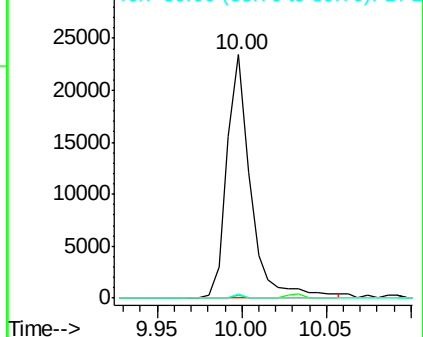


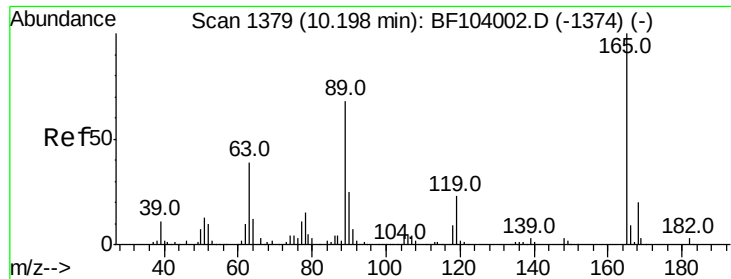
#50
2,6-Dinitrotoluene
Concen: 7.535 ng
RT: 10.00 min Scan# 1345
Delta R.T. 0.21 min
Lab File: BF104150.D
Acq: 2 Apr 2018 21:49

Tgt Ion:165 Resp: 22852
Ion Ratio Lower Upper
165 100
63 1.3 44.7 67.1#
89 1.9 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

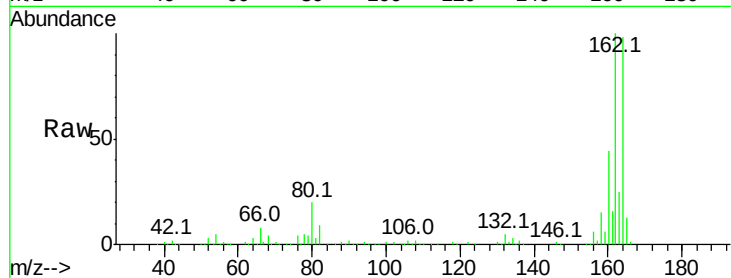




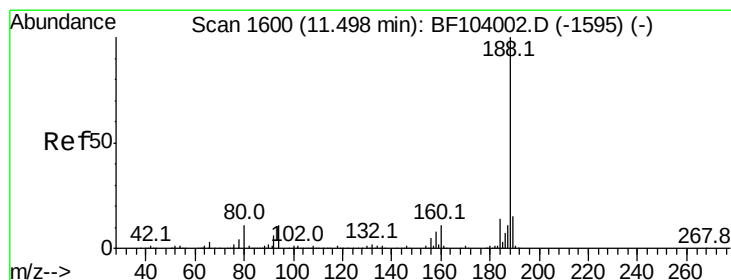
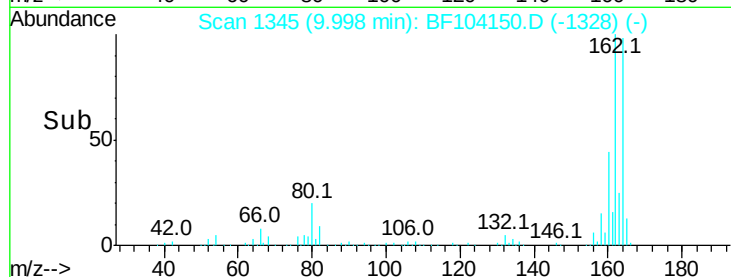
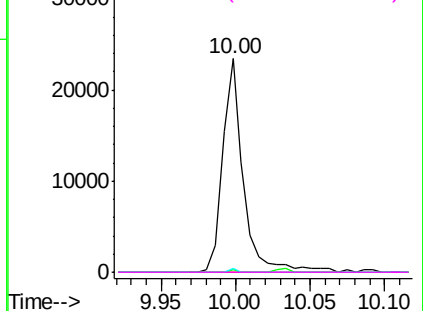
#56
2,4-Dinitrotoluene
Concen: 5.946 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.20 min
Lab File: BF104150.D
Acq: 2 Apr 2018 21:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 23011
Ion Ratio Lower Upper
165 100
63 1.3 36.4 54.6#
89 1.9 57.8 86.6#
182 0.0 1.6 2.4#

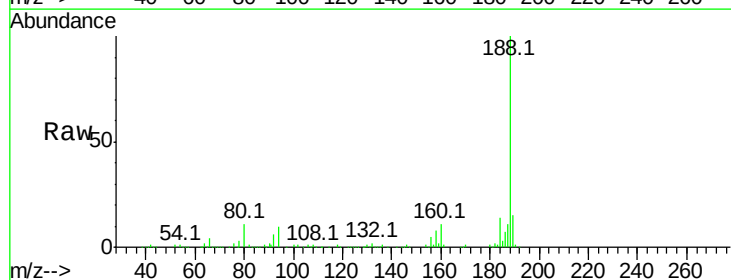


Abundance Ion 165.00 (164.70 to 165.70): E

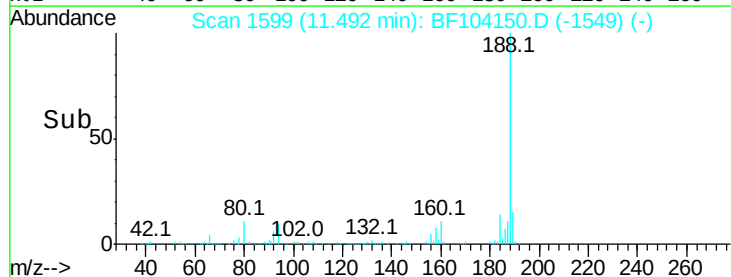
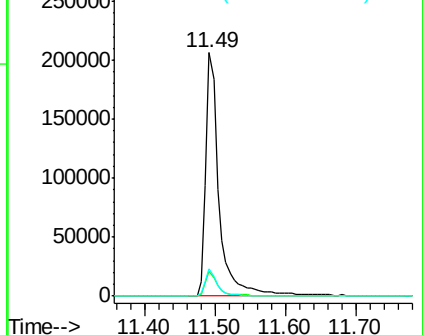


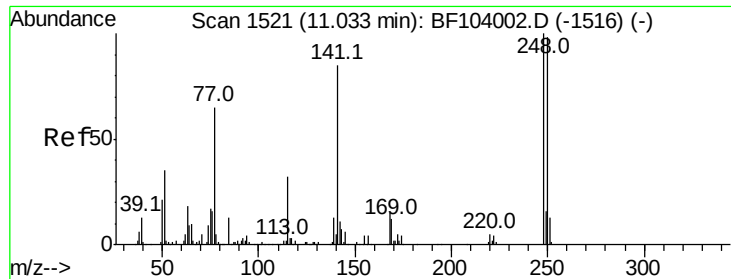
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: BF104150.D
Acq: 2 Apr 2018 21:49

Tgt Ion:188 Resp: 273431
Ion Ratio Lower Upper
188 100
94 10.0 8.5 12.7
80 11.2 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

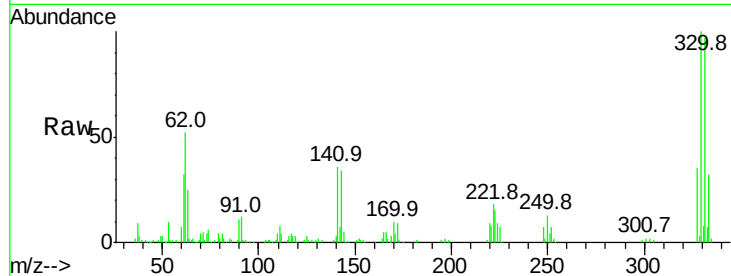




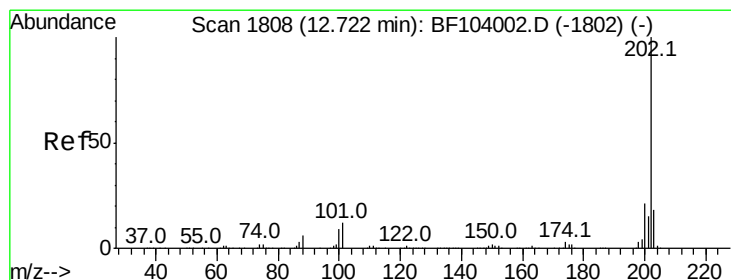
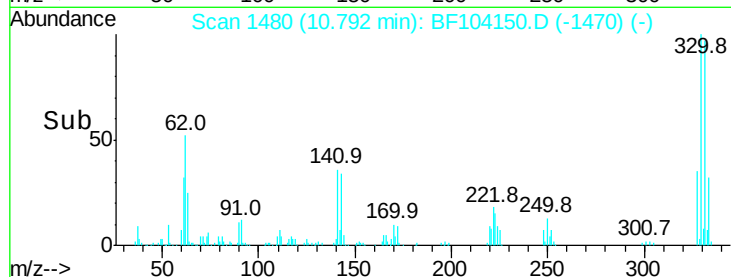
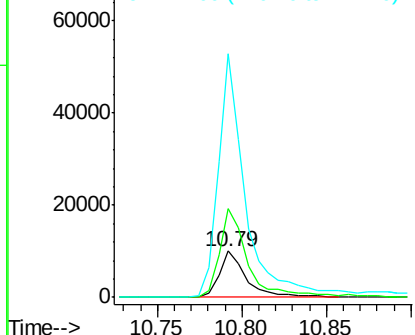
#66
 4-Bromophenyl-phenylether
 Concen: 3.842 ng
 RT: 10.79 min Scan# 1480
 Delta R.T. -0.24 min
 Lab File: BF104150.D
 Acq: 2 Apr 2018 21:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 11239
 Ion Ratio Lower Upper
 248 100
 250 191.9 76.9 115.3#
 141 524.3 74.4 111.6#

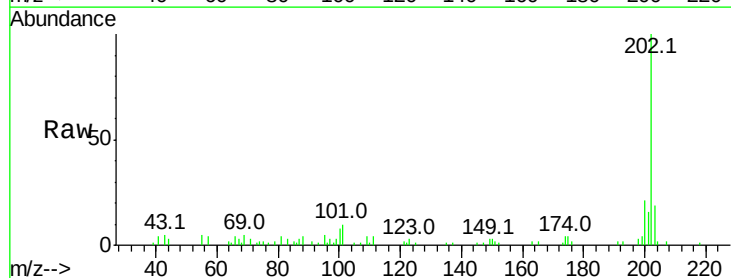


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

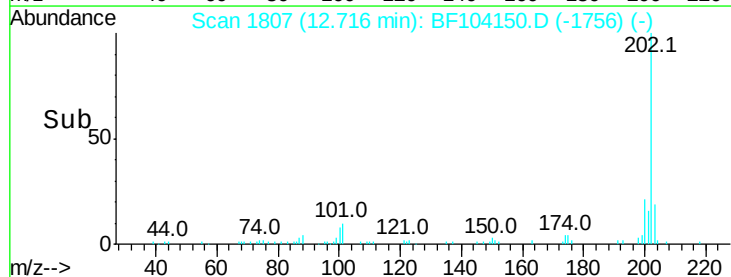
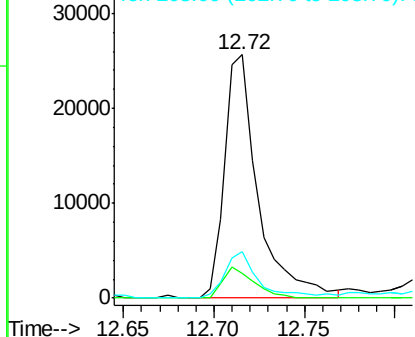


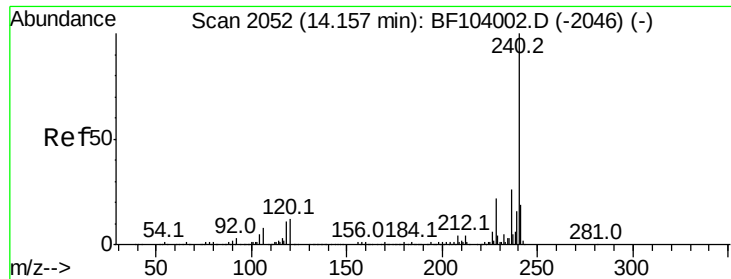
#74
 Fluoranthene
 Concen: 2.107 ng
 RT: 12.72 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: BF104150.D
 Acq: 2 Apr 2018 21:49

Tgt Ion:202 Resp: 33160
 Ion Ratio Lower Upper
 202 100
 101 10.3 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: 14.15 min Scan# 2051

Delta R.T. -0.00 min

Lab File: BF104150.D

Acq: 2 Apr 2018 21:49

Instrument :

BNA_F

ClientSampleId :

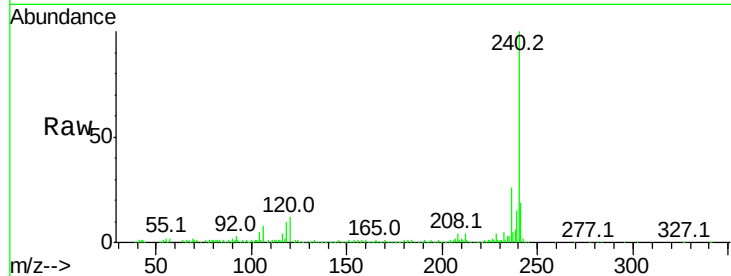
Tot Ion:240 Resp: 216718

Ion Ratio Lower Upper

240 100

120 11.9 9.5 14.3

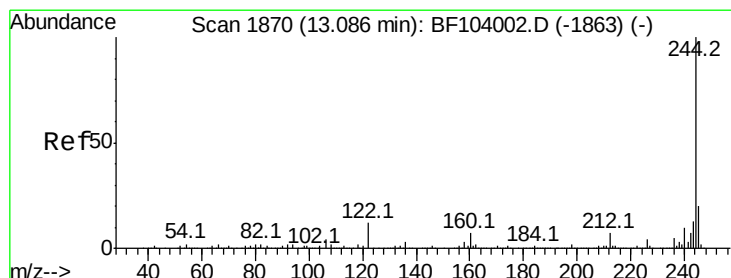
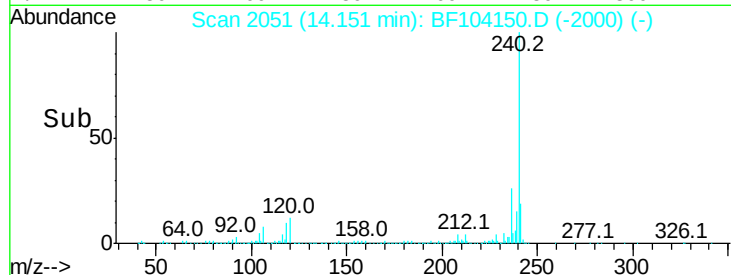
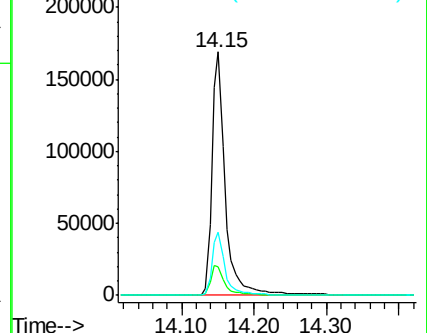
236 25.9 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 68.373 ng

RT: 13.07 min Scan# 1868

Delta R.T. -0.01 min

Lab File: BF104150.D

Acq: 2 Apr 2018 21:49

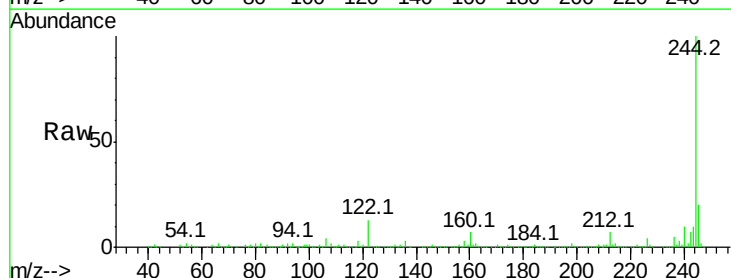
Tgt Ion:244 Resp: 641747

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

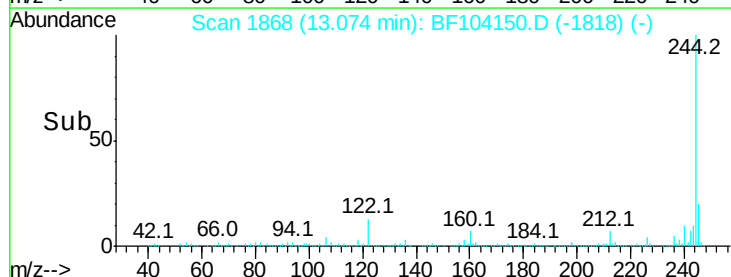
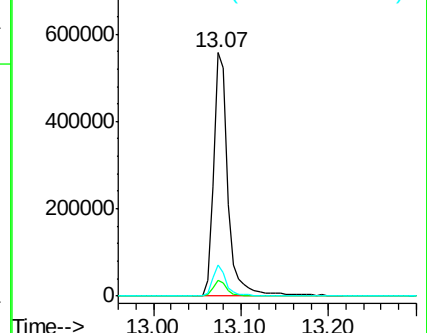
122 12.7 11.0 16.4

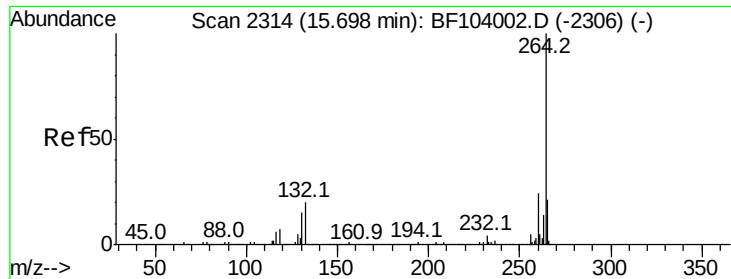


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2313

Delta R.T. -0.00 min

Lab File: BF104150.D

Acq: 2 Apr 2018 21:49

Instrument :

BNA_F

ClientSampleId :

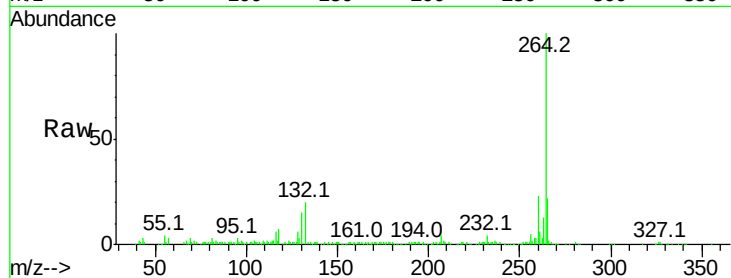
Tot Ion:264 Resp: 195846

Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	21.7	17.5	26.3

264 100

260 22.8 19.2 28.8

265 21.7 17.5 26.3

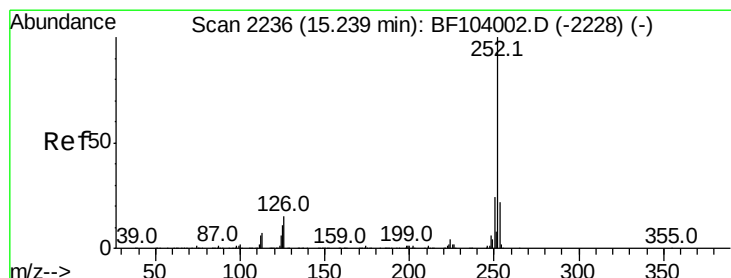
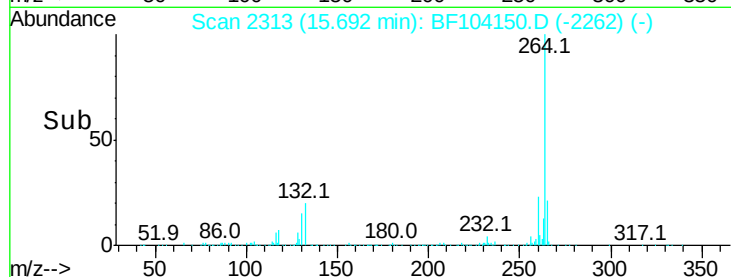
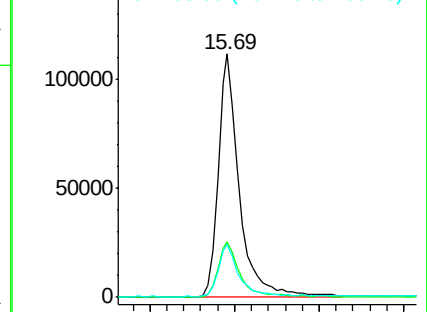


Abundance

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: 2.620 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.00 min

Lab File: BF104150.D

Acq: 2 Apr 2018 21:49

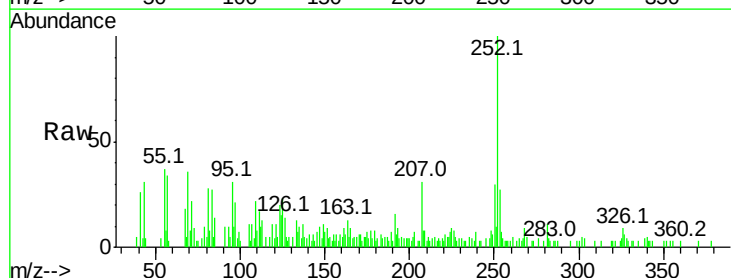
Tgt Ion:252 Resp: 31223

Ion	Ratio	Lower	Upper
252	100		
253	27.3	17.0	25.6#
125	22.7	9.0	13.6#

252 100

253 27.3 17.0 25.6#

125 22.7 9.0 13.6#

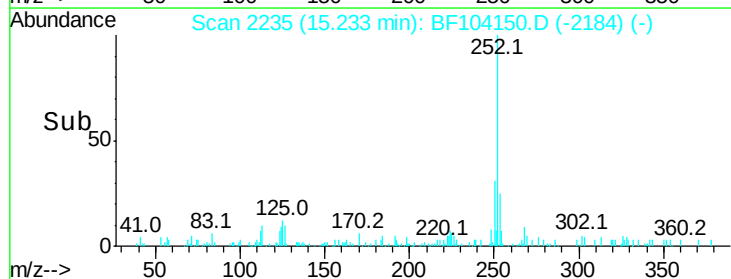
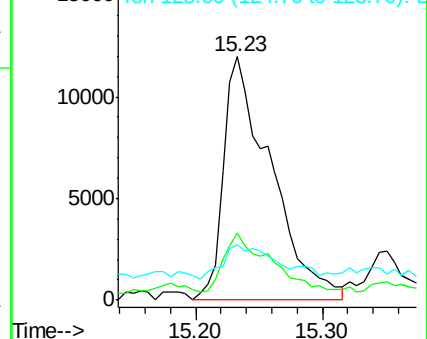


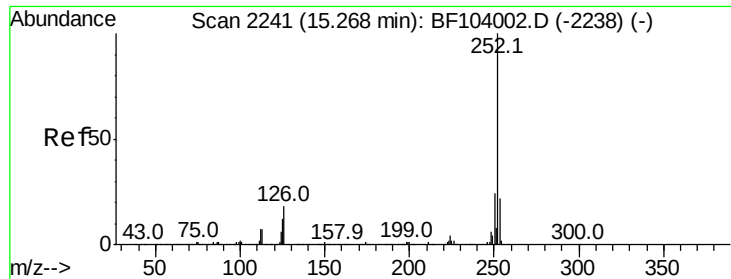
Abundance

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: 2.781 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.03 min

Lab File: BF104150.D

Acq: 2 Apr 2018 21:49

Instrument :

BNA_F

ClientSampleId :

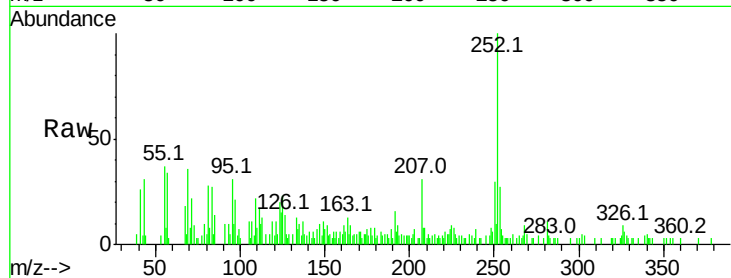
Tot Ion:252 Resp: 31223

Ion Ratio Lower Upper

252 100

253 27.3 17.9 26.9#

125 22.7 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

