

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042018\
 Data File : BF104685.D
 Acq On : 20 Apr 2018 20:07
 Operator : JU/SJ
 Sample : J2472-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TANK-2

Quant Time: Apr 21 04:14:41 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 20 14:49:55 2018
 Response via : Initial Calibration

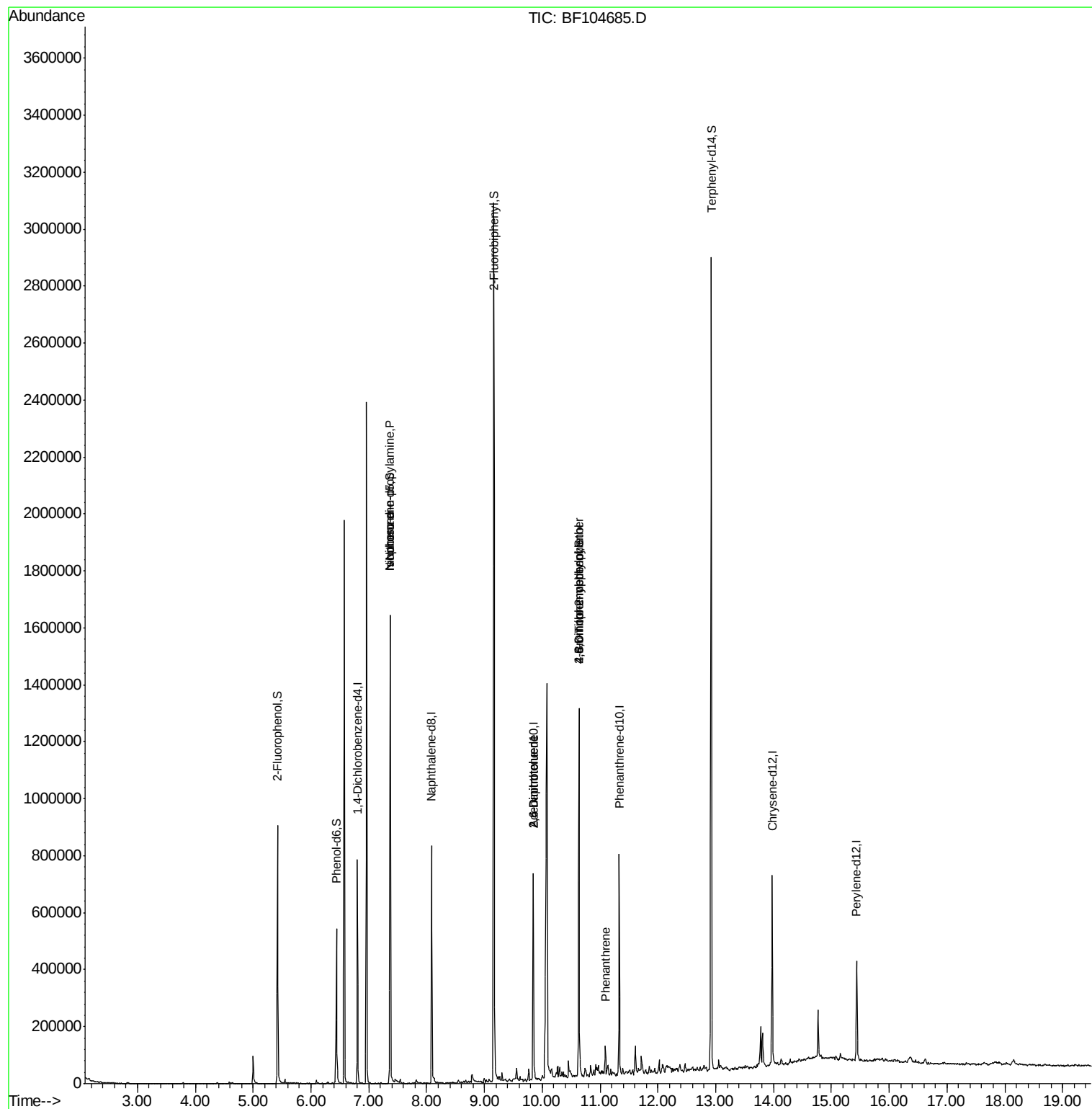
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	103669	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	378009	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	149835	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	258157	20.00	ng	0.00
75) Chrysene-d12	13.97	240	219986	20.00	ng	0.00
86) Perylene-d12	15.44	264	158793	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	297464	43.87	ng	0.00
7) Phenol-d6	6.44	99	209782	25.18	ng	0.00
23) Nitrobenzene-d5	7.37	82	603559	104.26	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	145666	93.72	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	968560	102.12	ng	0.00
78) Terphenyl-d14	12.92	244	986127	102.20	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	79610	14.625	ng	# 72
25) Isophorone	7.37	82	603554	49.304	ng	# 64
50) 2,6-Dinitrotoluene	9.84	165	19144	8.756	ng	# 27
56) 2,4-Dinitrotoluene	9.84	165	19144	6.675	ng	# 25
64) 4,6-Dinitro-2-methylphenol	10.63	198	136	7.439	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	9039	3.292	ng	# 1
70) Phenanthrene	11.09	178	29803	2.073	ng	97
76) Benzidine	12.92	184	13038	Below Cal		98

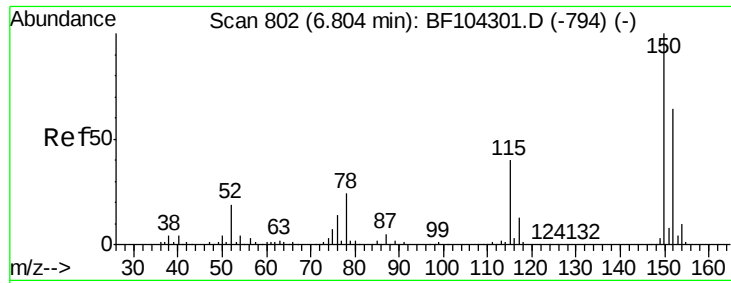
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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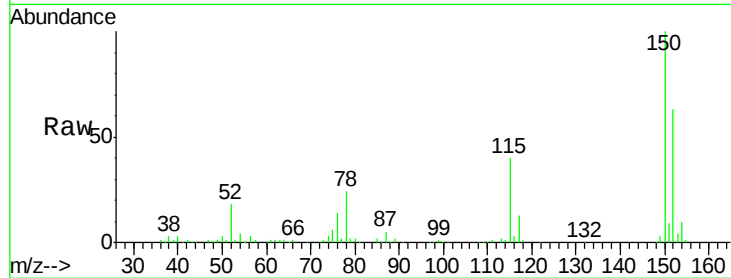


#1

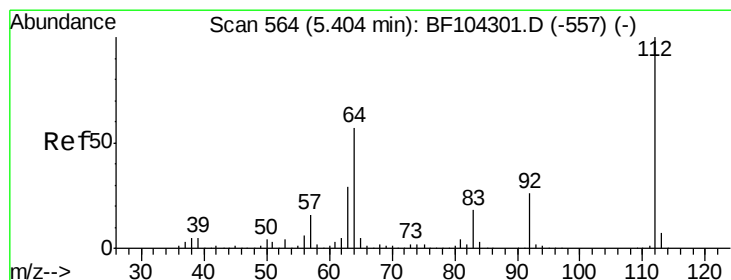
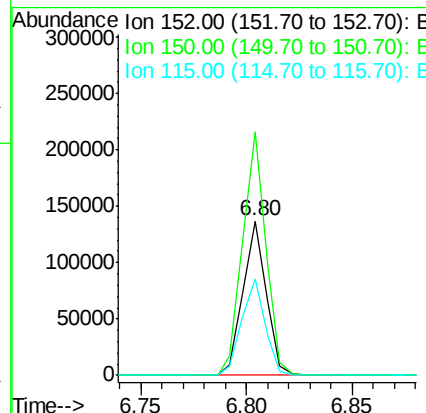
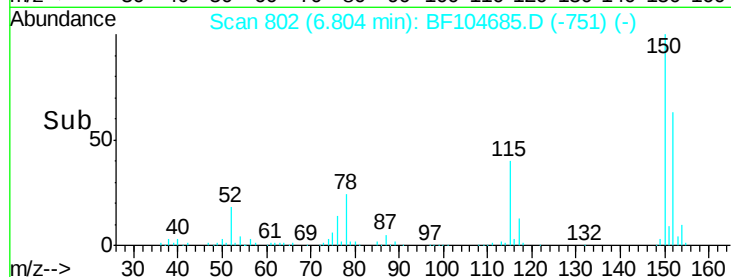
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104685.D
Acq: 20 Apr 2018 20:07

Instrument :
BNA_F
ClientSampleId :
TANK-2

Tot Ion:152 Resp: 103669
Ion Ratio Lower Upper
152 100
150 157.8 124.6 186.8
115 62.9 50.1 75.1



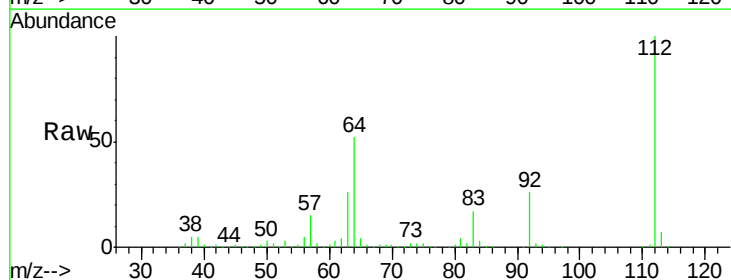
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



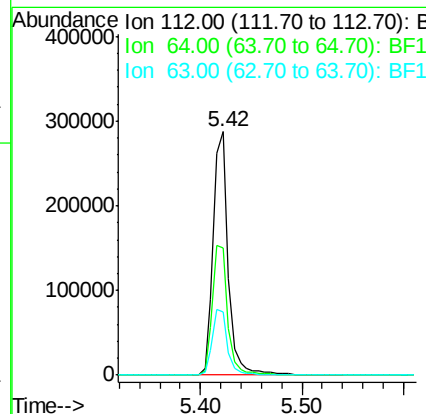
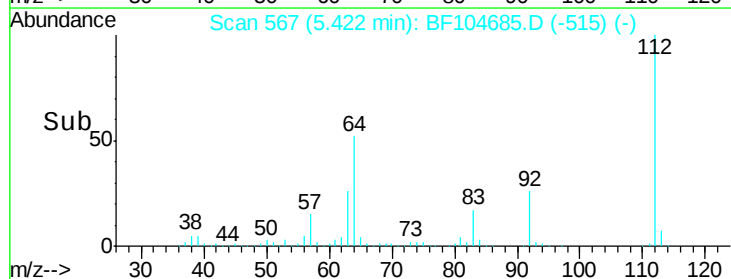
#5

2-Fluorophenol
Concen: 43.874 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104685.D
Acq: 20 Apr 2018 20:07

Tgt Ion:112 Resp: 297464
Ion Ratio Lower Upper
112 100
64 52.4 47.9 71.9
63 25.9 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: 25.183 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104685.D

Acq: 20 Apr 2018 20:07

Instrument :

BNA_F

ClientSampled :

TANK-2

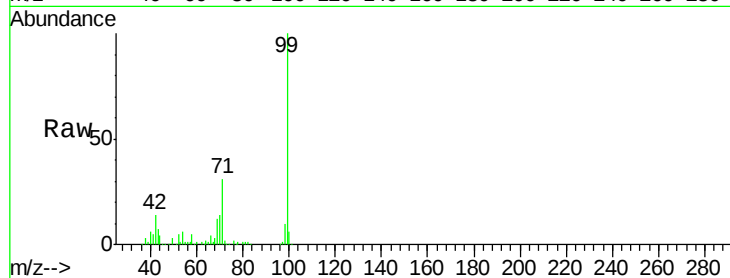
Tot Ion: 99 Resp: 209782

Ion Ratio Lower Upper

99 100

42 13.9 14.5 21.7#

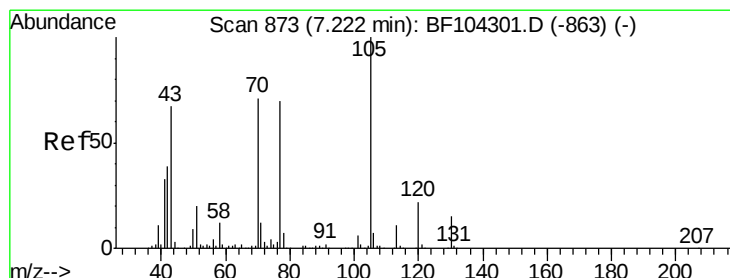
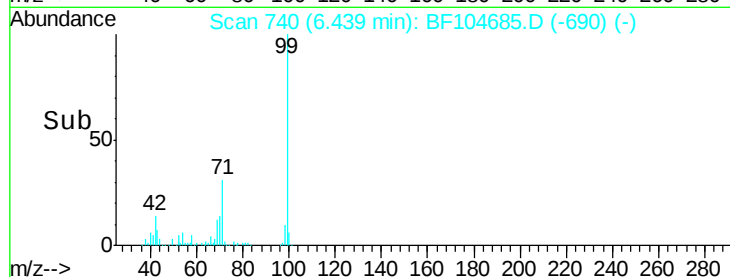
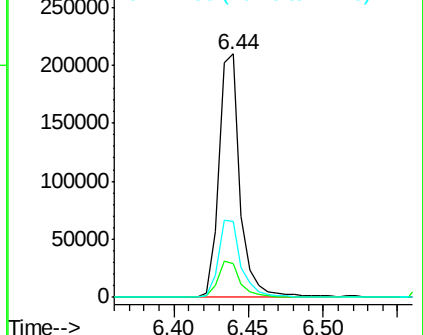
71 31.2 25.4 38.0



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: 14.625 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104685.D

Acq: 20 Apr 2018 20:07

Tgt Ion: 70 Resp: 79610

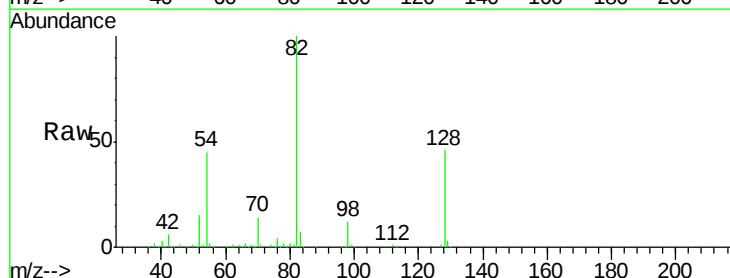
Ion Ratio Lower Upper

70 100

42 40.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

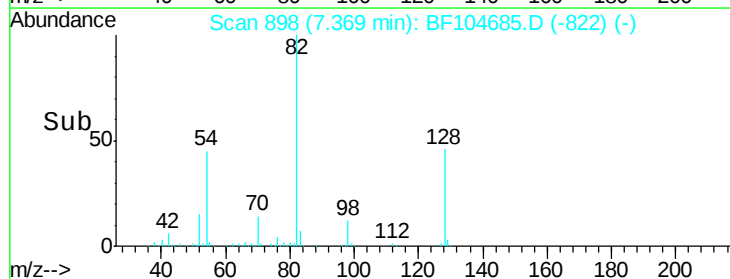
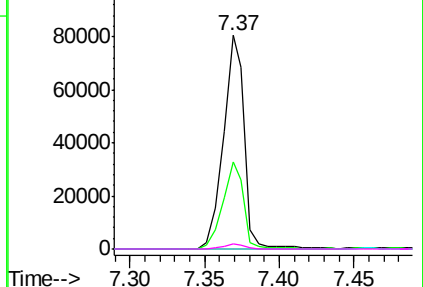


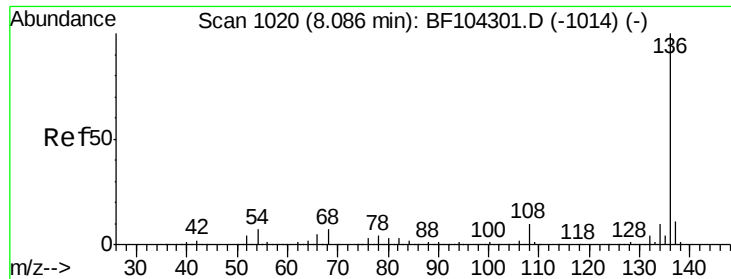
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

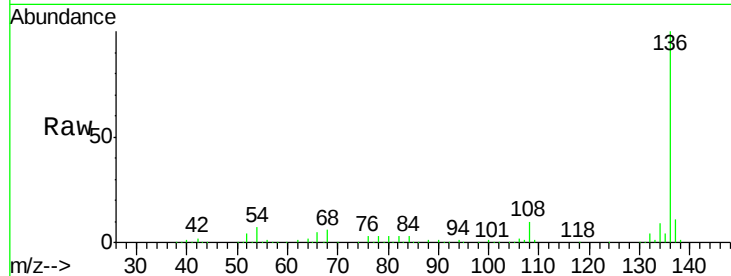




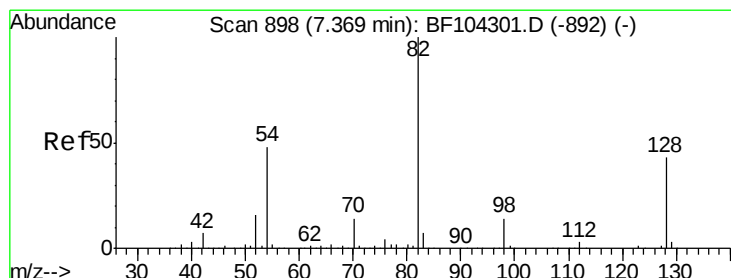
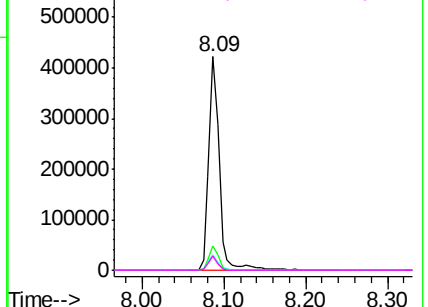
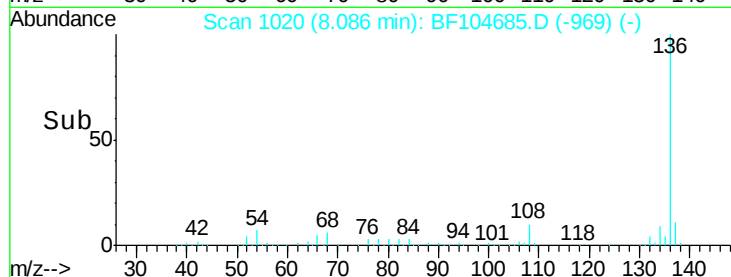
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF104685.D
Acq: 20 Apr 2018 20:07

Instrument :
BNA_F
ClientSampleId :
TANK-2

Tot Ion:136	Resp:	378009
Ion Ratio	Lower	Upper
136 100		
137 11.5	8.9	13.3
54 7.2	6.6	9.8
68 6.4	5.0	7.4

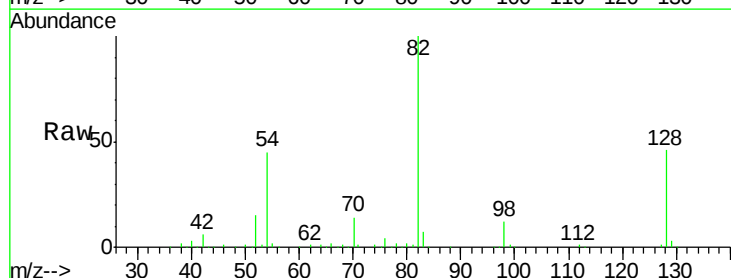


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

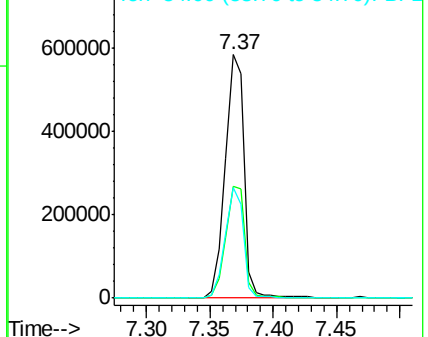
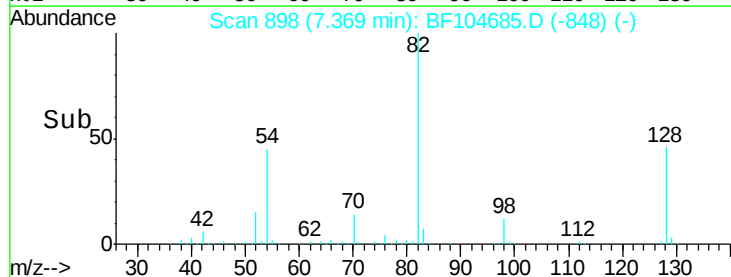


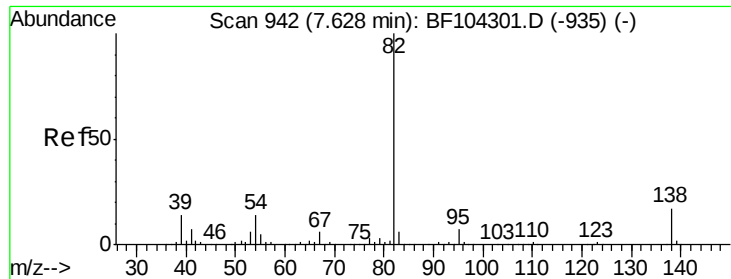
#23
Nitrobenzene-d5
Concen: 104.260 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104685.D
Acq: 20 Apr 2018 20:07

Tgt Ion: 82	Resp: 603559
Ion Ratio	Lower Upper
82 100	
128 45.8	36.1 54.1
54 45.3	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: 49.304 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104685.D

Acq: 20 Apr 2018 20:07

Instrument :

BNA_F

ClientSampleId :

TANK-2

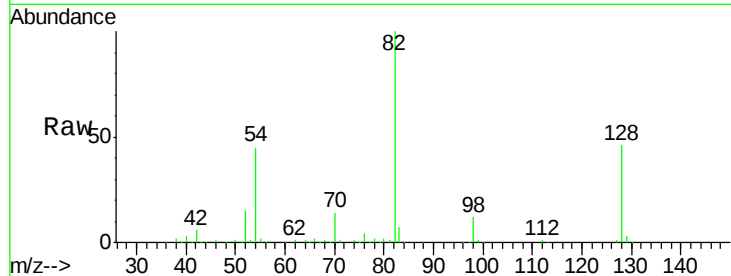
Tot Ion: 82 Resp: 603554

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

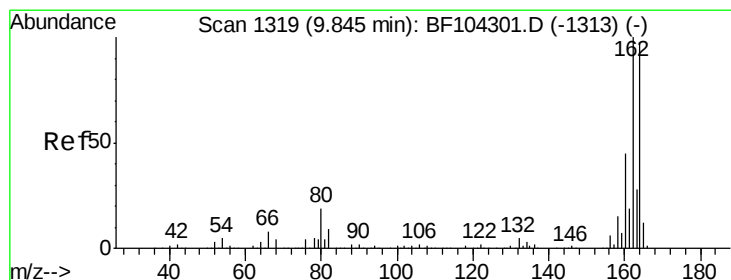
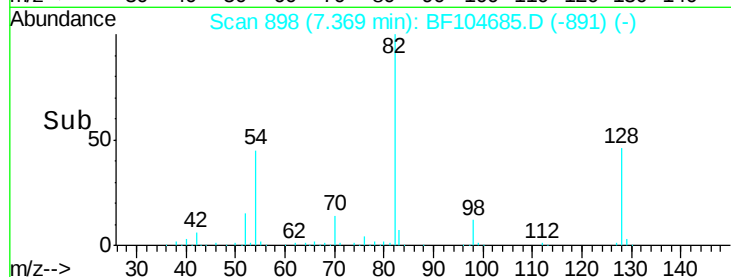
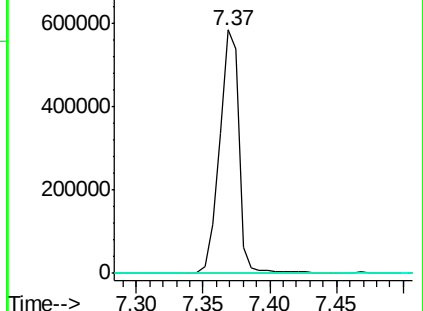
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF104685.D

Acq: 20 Apr 2018 20:07

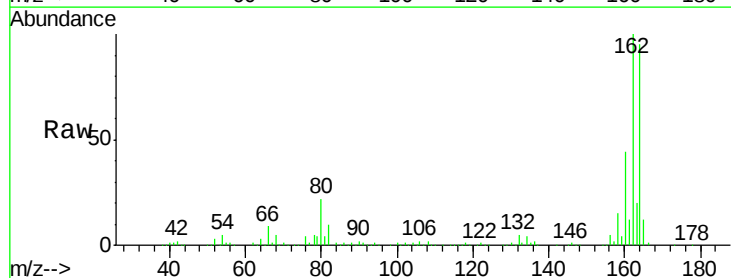
Tgt Ion: 164 Resp: 149835

Ion Ratio Lower Upper

164 100

162 104.9 86.1 129.1

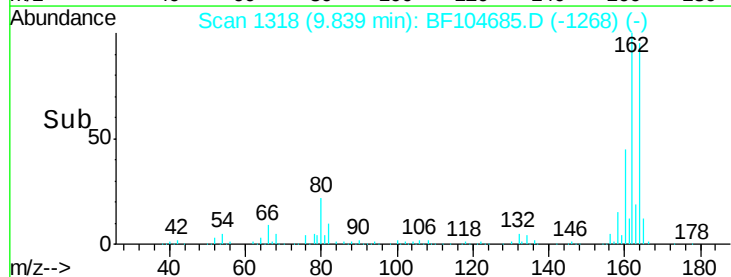
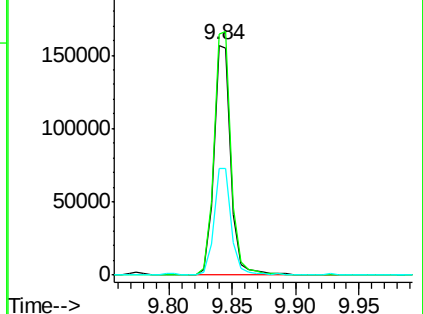
160 46.6 38.3 57.5

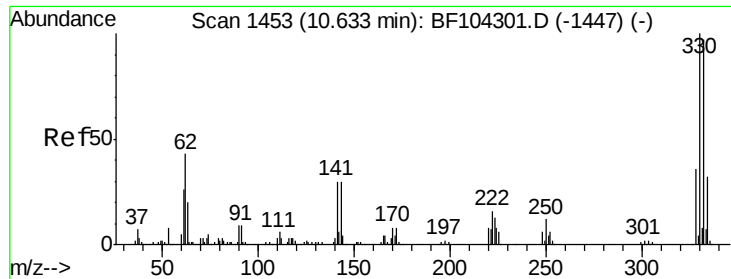


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

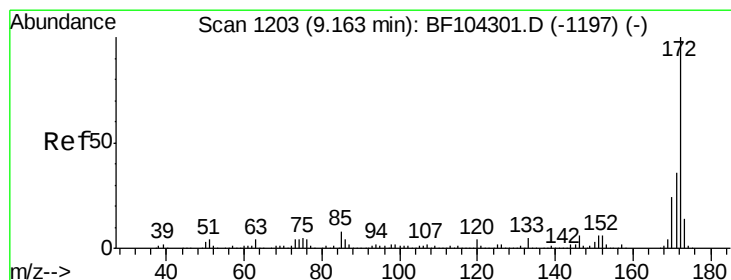
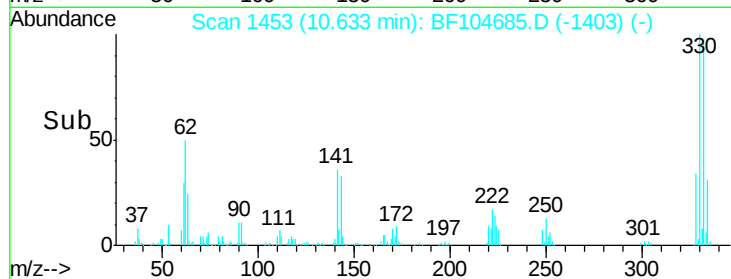
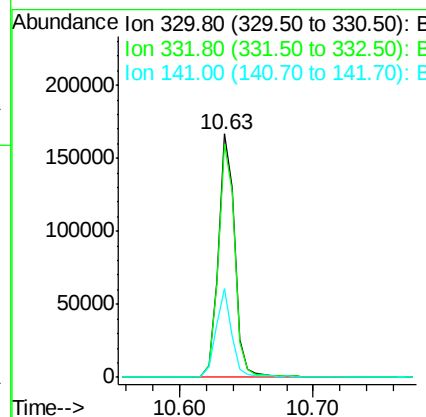
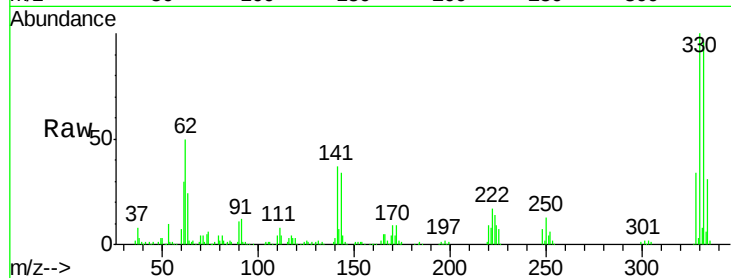




#41
 2,4,6-Tribromophenol
 Concen: 93.719 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104685.D
 Acq: 20 Apr 2018 20:07

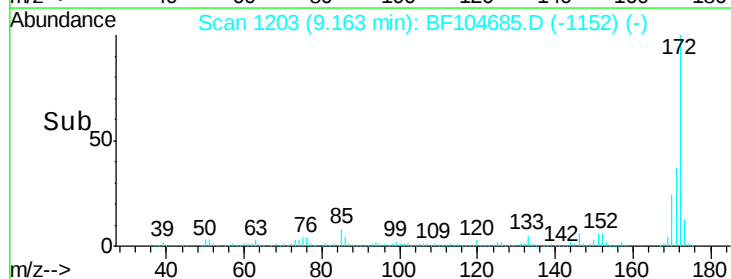
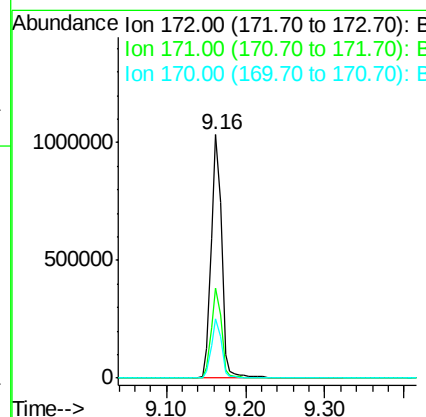
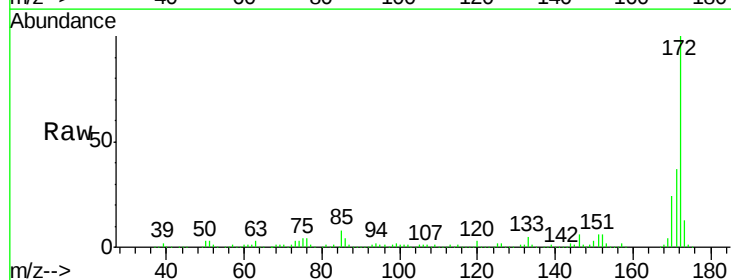
Instrument :
 BNA_F
 ClientSampleId :
 TANK-2

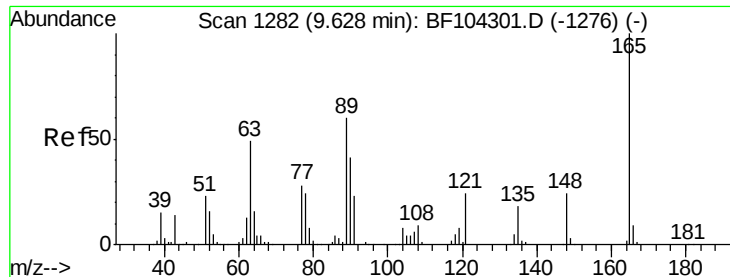
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	36.2	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 102.118 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: BF104685.D
 Acq: 20 Apr 2018 20:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.7	44.5
170	24.2	19.6	29.4

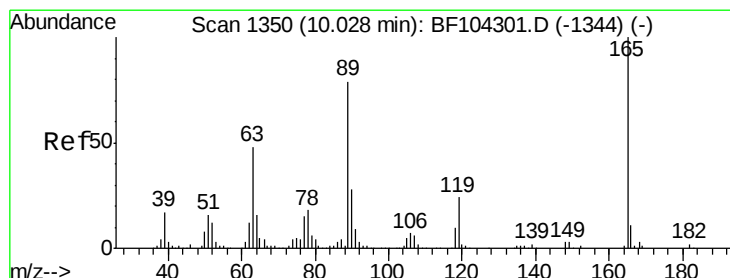
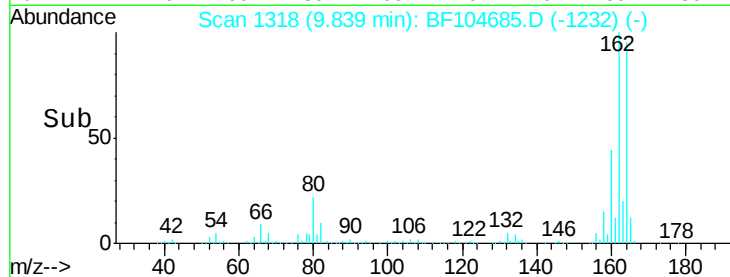
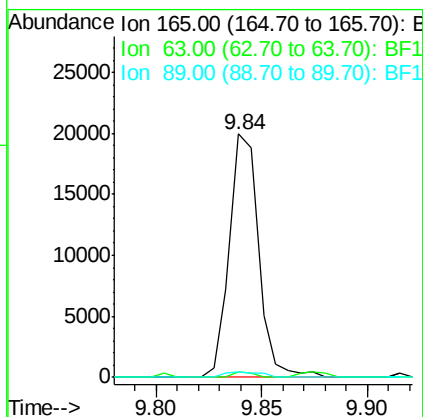
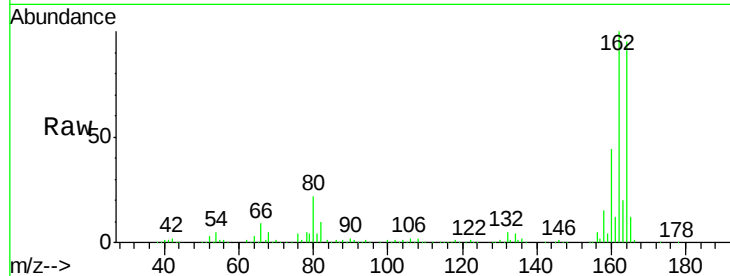




#50
 2,6-Dinitrotoluene
 Concen: 8.756 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.21 min
 Lab File: BF104685.D
 Acq: 20 Apr 2018 20:07

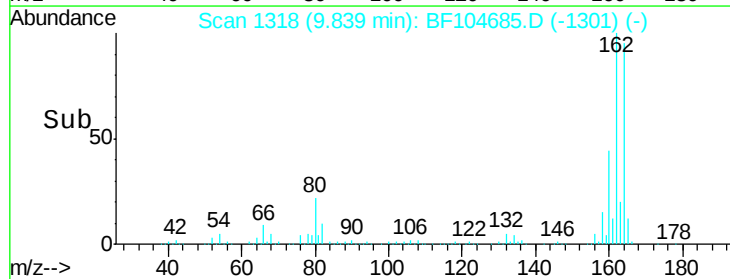
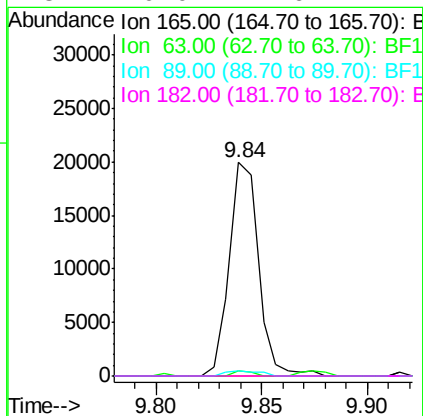
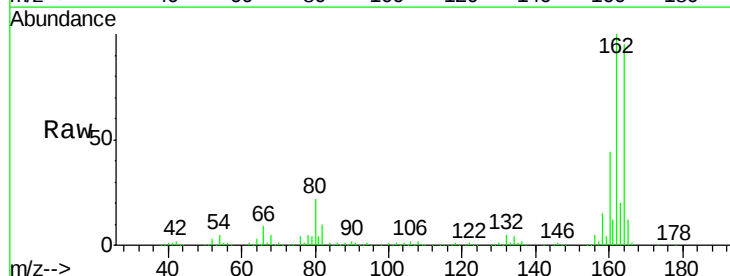
Instrument :
 BNA_F
 ClientSampled :
 TANK-2

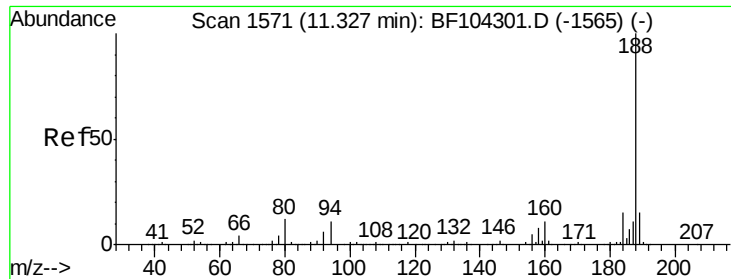
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.5	44.7	67.1#
89	2.4	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.675 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.20 min
 Lab File: BF104685.D
 Acq: 20 Apr 2018 20:07

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.5	36.4	54.6#
89	2.4	57.8	86.6#
182	0.0	1.6	2.4#

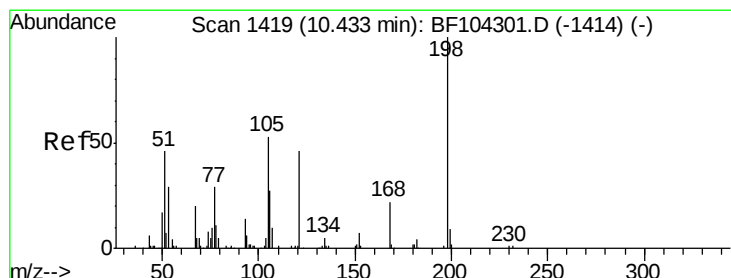
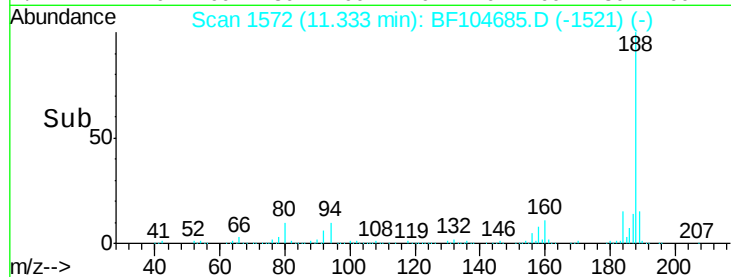
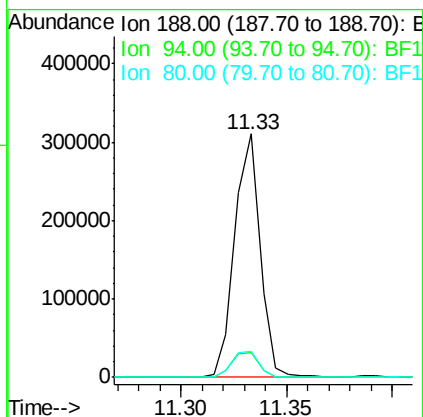
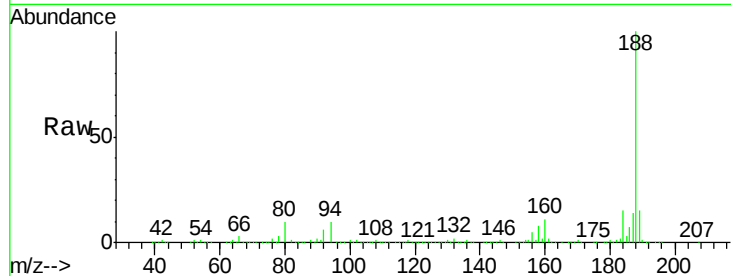




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BF104685.D
 Acq: 20 Apr 2018 20:07

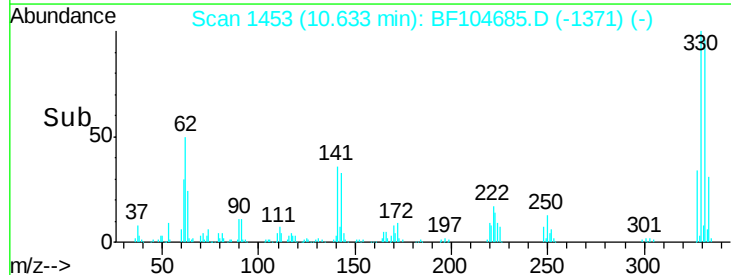
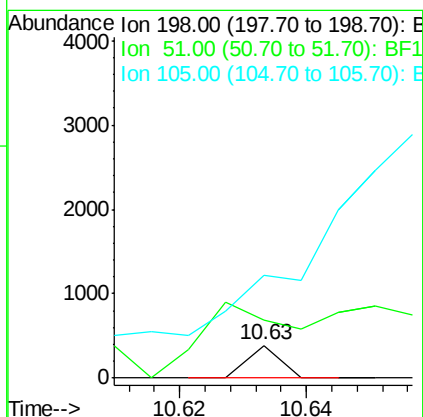
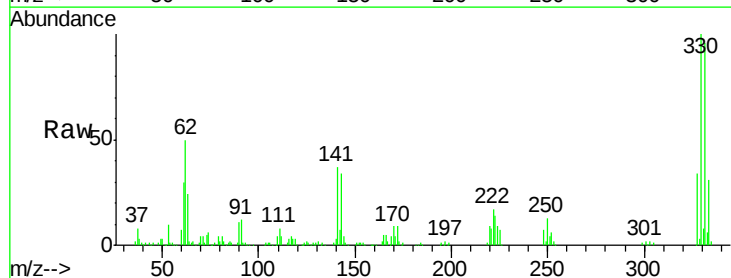
Instrument :
 BNA_F
 ClientSampled :
 TANK-2

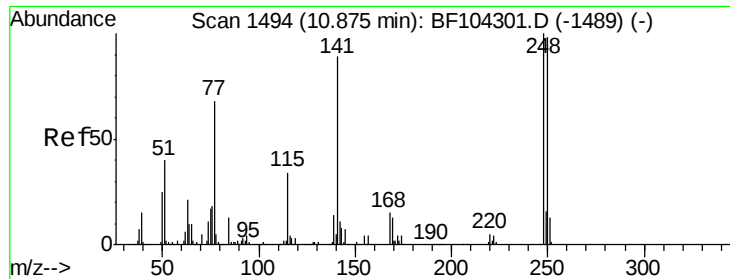
Tot Ion:188 Resp: 258157
 Ion Ratio Lower Upper
 188 100
 94 10.1 8.5 12.7
 80 10.4 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.439 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.18 min
 Lab File: BF104685.D
 Acq: 20 Apr 2018 20:07

Tgt Ion:198 Resp: 136
 Ion Ratio Lower Upper
 198 100
 51 180.3 37.7 77.7#
 105 316.9 36.3 76.3#

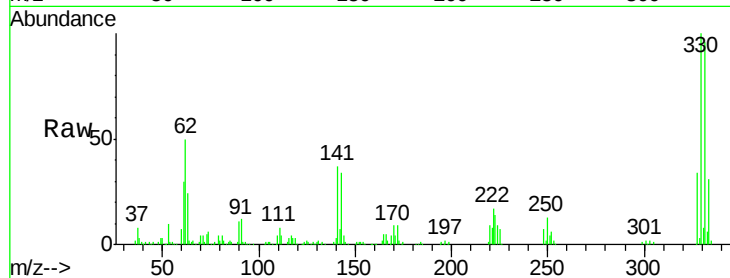




#66
 4-Bromophenyl-phenylether
 Concen: 3.292 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.24 min
 Lab File: BF104685.D
 Acq: 20 Apr 2018 20:07

Instrument :
 BNA_F
 ClientSampleId :
 TANK-2

Tot Ion	Ratio	Lower	Upper
248	100		
250	189.7	76.9	115.3#
141	553.5	74.4	111.6#

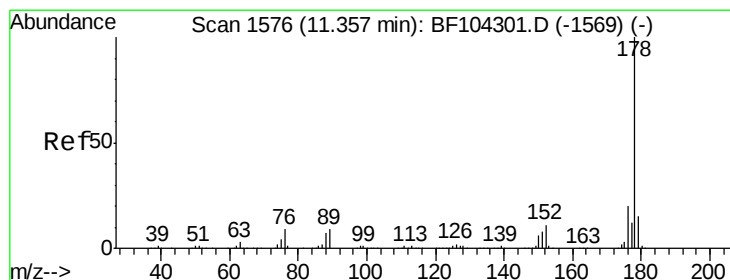
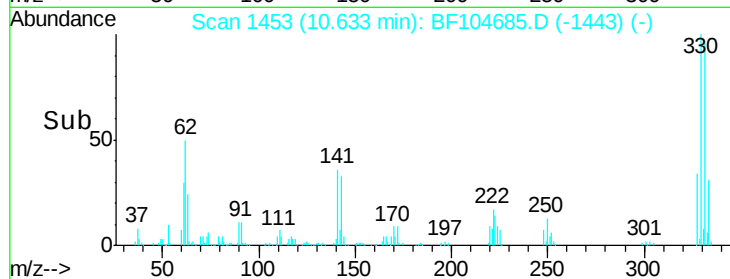
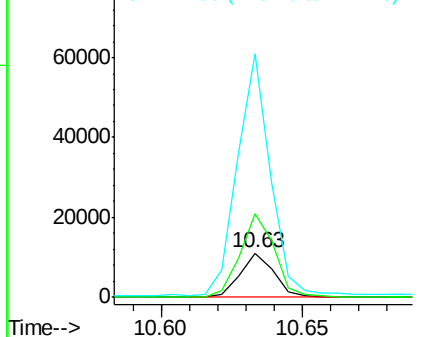


Abundance

Ion 248.00 (247.70 to 248.70): E

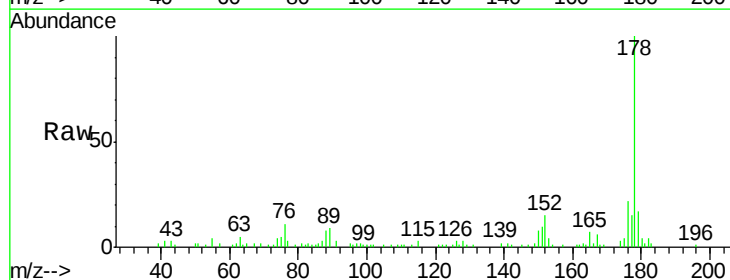
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#70
 Phenanthrene
 Concen: 2.073 ng
 RT: 11.09 min Scan# 1531
 Delta R.T. -0.26 min
 Lab File: BF104685.D
 Acq: 20 Apr 2018 20:07

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.7	15.8	23.8
179	16.9	13.0	19.6

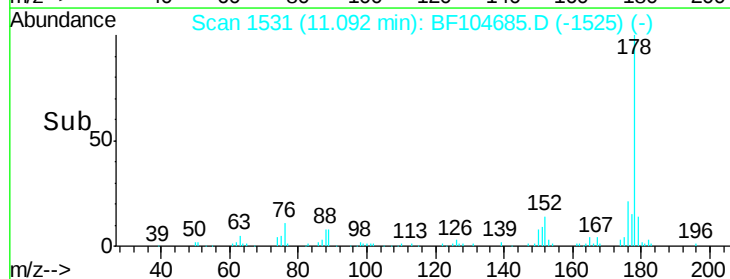
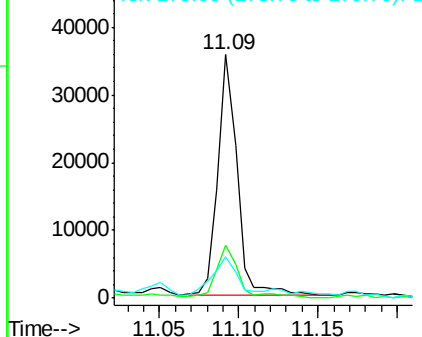


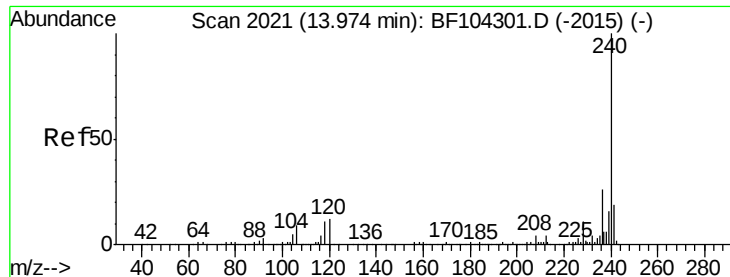
Abundance

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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF104685.D

Acq: 20 Apr 2018 20:07

Instrument :

BNA_F

ClientSampleId :

TANK-2

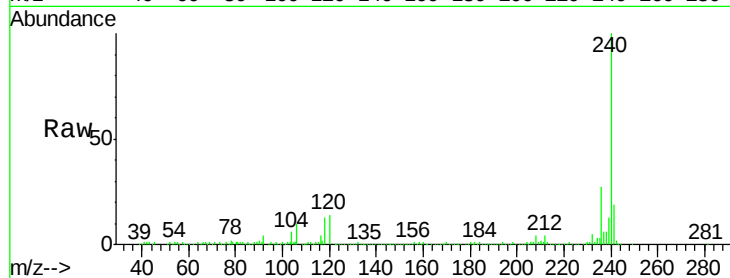
Tot Ion:240 Resp: 219986

Ion Ratio Lower Upper

240 100

120 14.5 9.5 14.3#

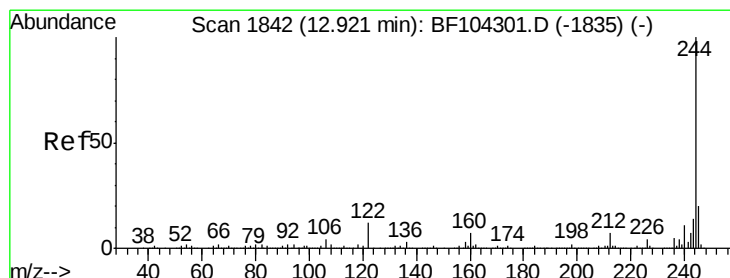
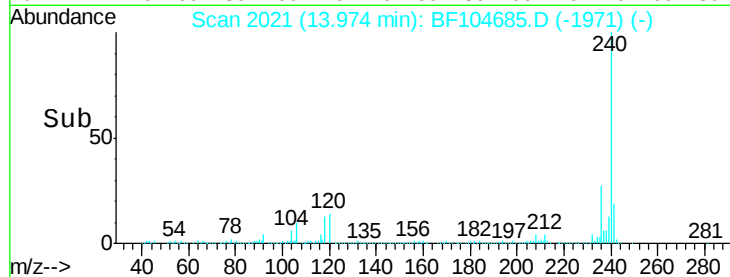
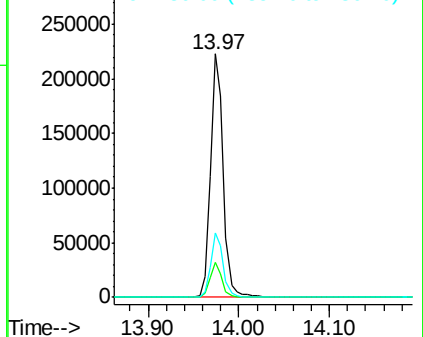
236 26.5 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 102.197 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF104685.D

Acq: 20 Apr 2018 20:07

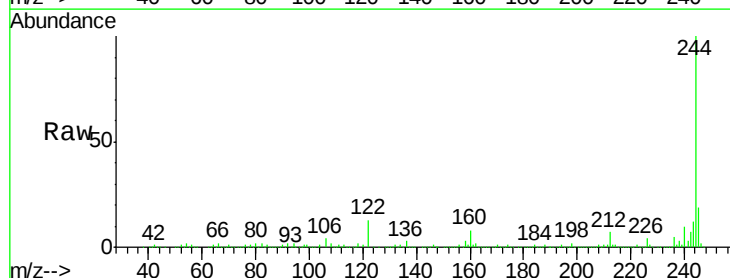
Tgt Ion:244 Resp: 986127

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

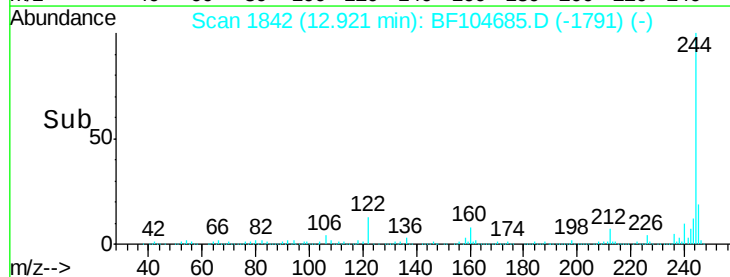
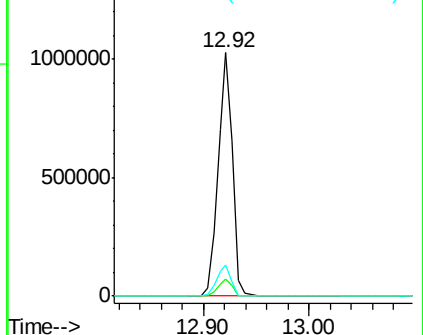
122 12.7 11.0 16.4

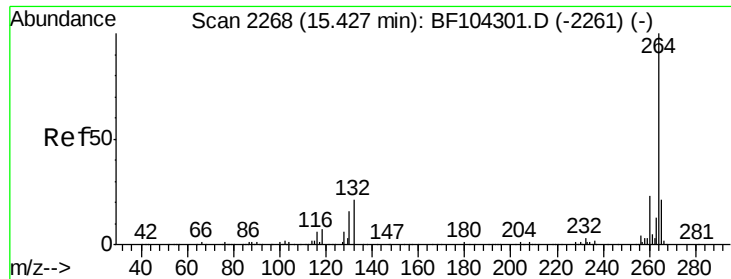


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF104685.D
Acq: 20 Apr 2018 20:07

Instrument :
BNA_F
ClientSampleId :
TANK-2

Tot Ion:264 Resp: 158793

Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.2	28.8
265	21.0	17.5	26.3

