

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041318\
 Data File : BF104491.D
 Acq On : 13 Apr 2018 20:55
 Operator : JU/SJ
 Sample : J2314-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 13 22:55:42 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 13 17:38:31 2018
 Response via : Initial Calibration

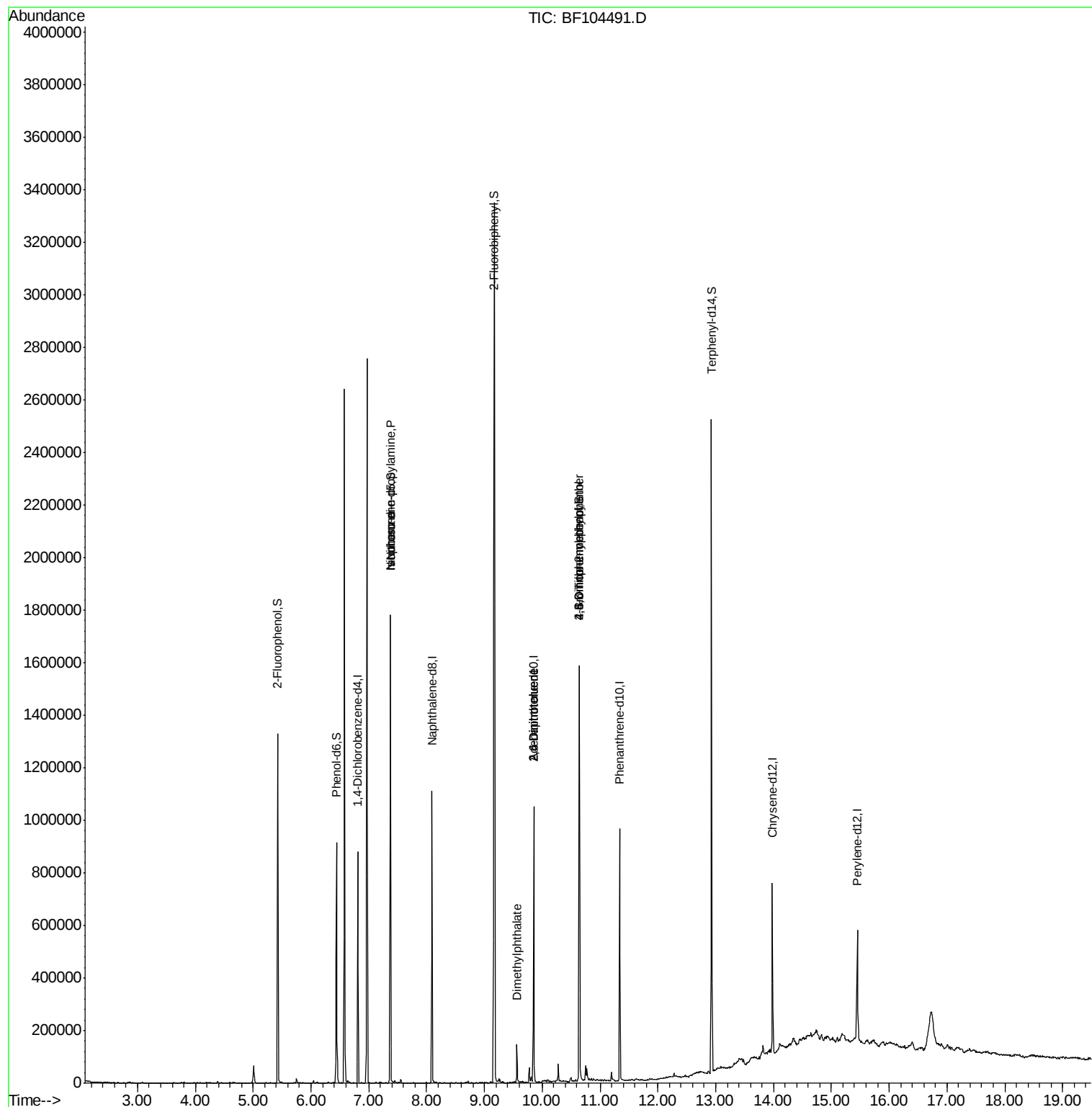
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	117513	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	460278	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	194194	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	302427	20.00	ng	0.00
75) Chrysene-d12	13.98	240	221022	20.00	ng	-0.01
86) Perylene-d12	15.45	264	185444	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	384532	50.03	ng	0.00
7) Phenol-d6	6.44	99	278911	29.54	ng	0.00
23) Nitrobenzene-d5	7.37	82	669819	95.02	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	209353	103.93	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1147637	93.36	ng	0.00
78) Terphenyl-d14	12.93	244	866784	89.41	ng	0.00
Target Compounds						
9) Benzaldehyde	6.44	77	538	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.37	70	89710	14.539 ng	#	72
25) Isophorone	7.37	82	669929	44.944 ng	#	64
49) Dimethylphthalate	9.56	163	54064	3.530 ng		100
50) 2,6-Dinitrotoluene	9.85	165	25318	8.935 ng	#	26
56) 2,4-Dinitrotoluene	9.85	165	25318	6.812 ng	#	23
64) 4,6-Dinitro-2-methylphenol	10.65	198	480	7.623 ng	#	1
66) 4-Bromophenyl-phenylether	10.64	248	12754	3.965 ng	#	1
76) Benzidine	12.93	184	11807	Below Cal		96

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

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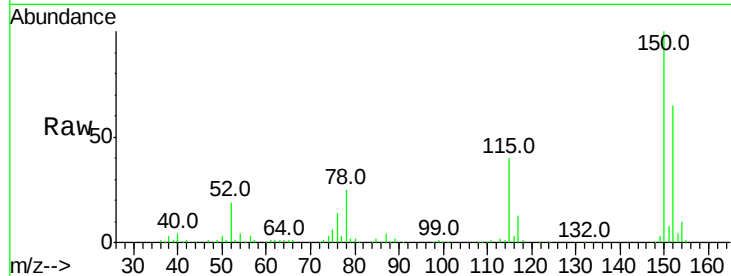


#1

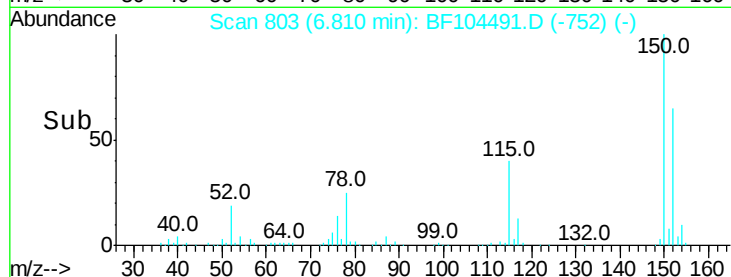
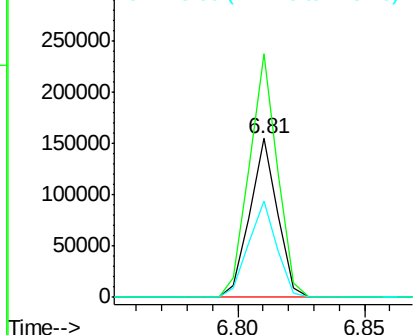
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF104491.D
Acq: 13 Apr 2018 20:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 117513
Ion Ratio Lower Upper
152 100
150 153.0 124.6 186.8
115 60.5 50.1 75.1



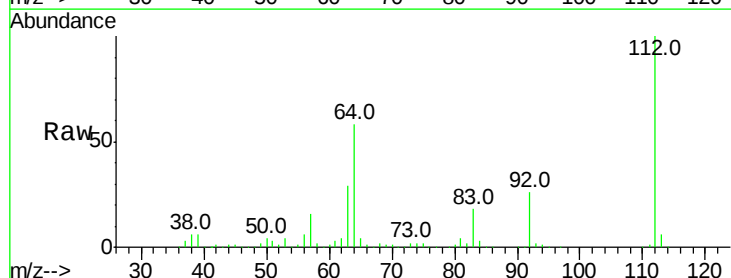
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



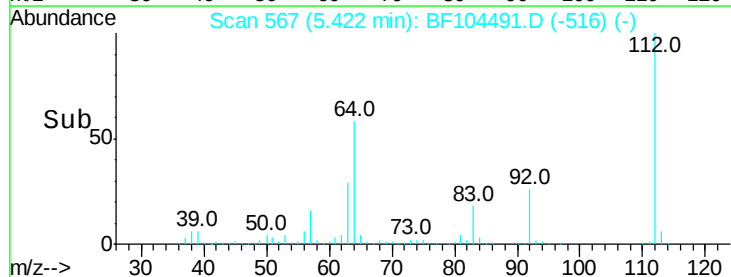
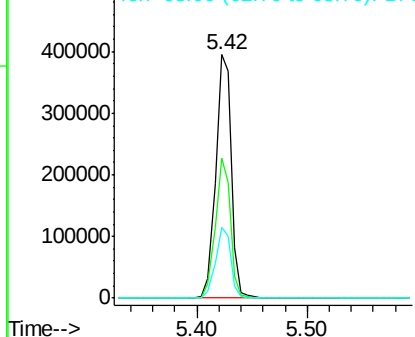
#5

2-Fluorophenol
Concen: 50.035 ng
RT: 5.42 min Scan# 567
Delta R.T. -0.00 min
Lab File: BF104491.D
Acq: 13 Apr 2018 20:55

Tgt Ion:112 Resp: 384532
Ion Ratio Lower Upper
112 100
64 57.6 47.9 71.9
63 29.2 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: 29.537 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104491.D

Acq: 13 Apr 2018 20:55

Instrument :

BNA_F

ClientSampleId :

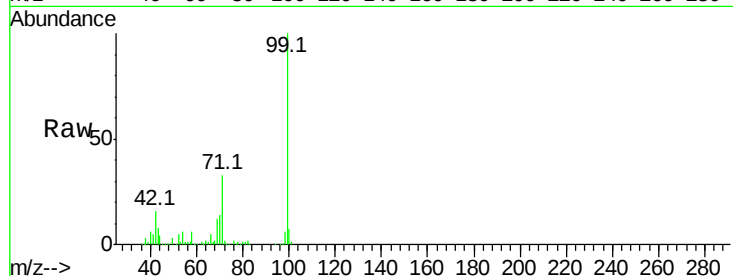
Tot Ion: 99 Resp: 278911

Ion Ratio Lower Upper

99 100

42 16.1 14.5 21.7

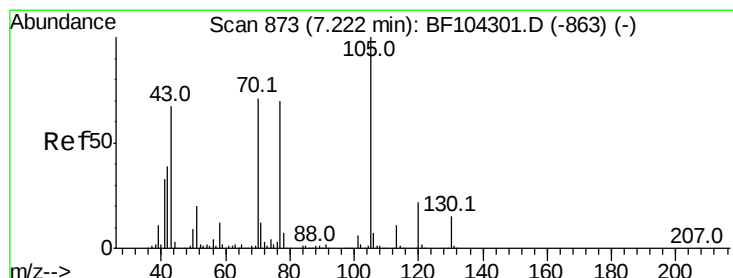
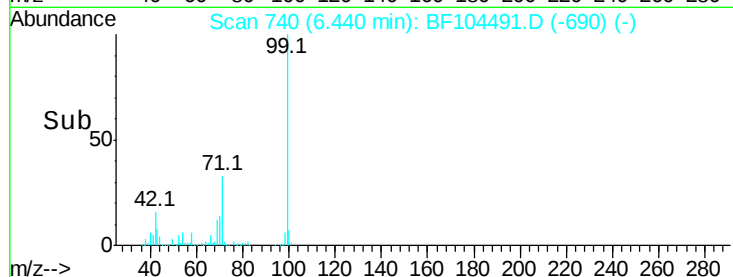
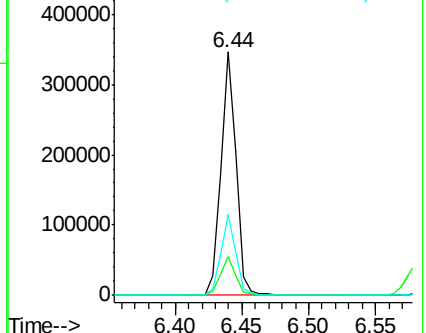
71 33.1 25.4 38.0



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: 14.539 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104491.D

Acq: 13 Apr 2018 20:55

Tgt Ion: 70 Resp: 89710

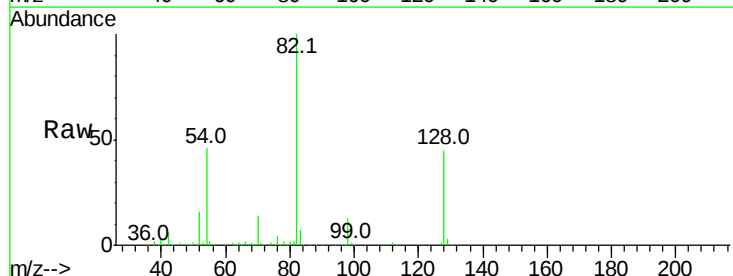
Ion Ratio Lower Upper

70 100

42 41.5 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

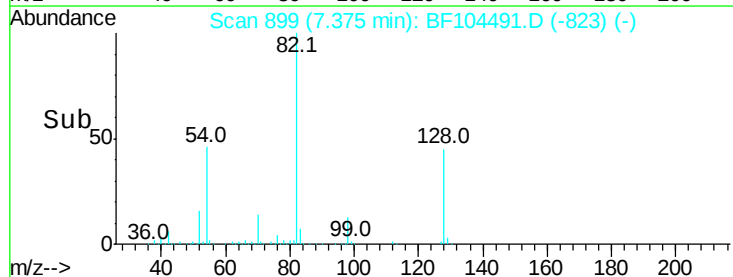
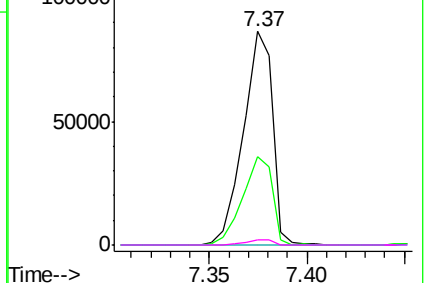


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

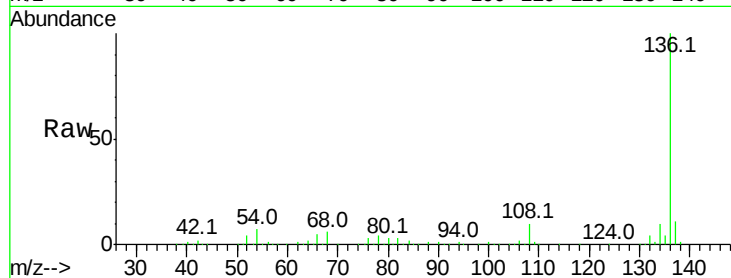




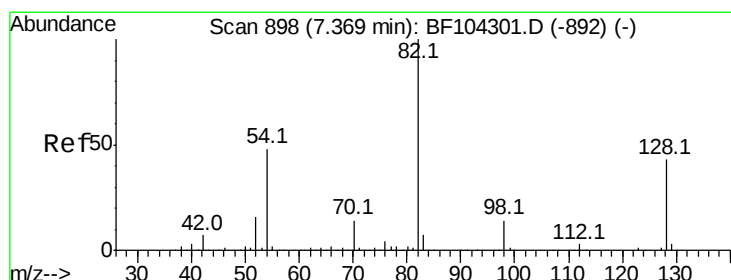
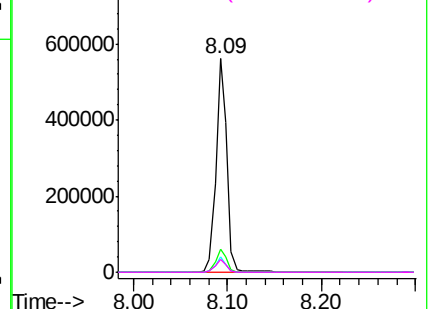
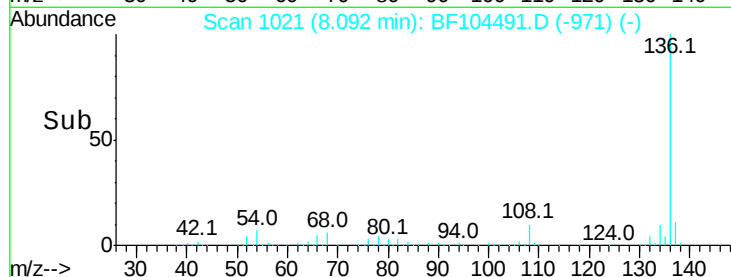
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF104491.D
Acq: 13 Apr 2018 20:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	460278
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.3	6.6	9.8
68	6.2	5.0	7.4

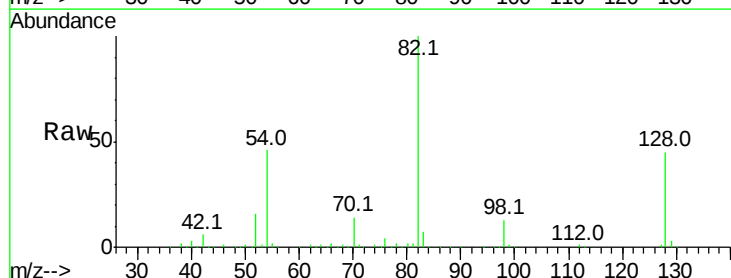


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

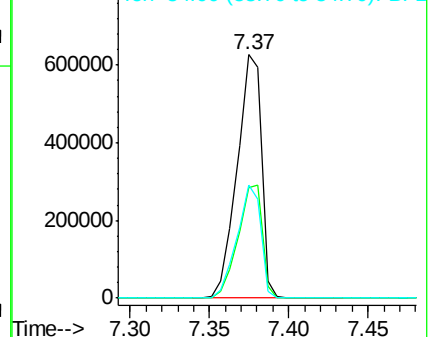
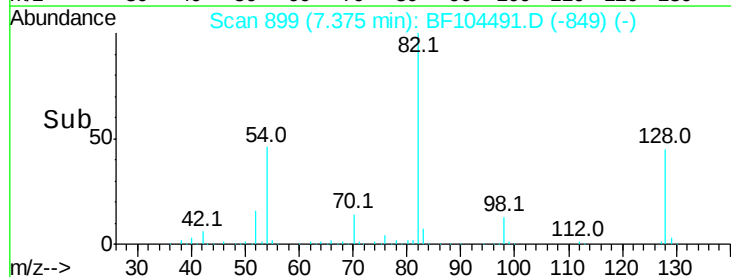


#23
Nitrobenzene-d5
Concen: 95.025 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF104491.D
Acq: 13 Apr 2018 20:55

Tgt Ion:	82	Resp:	669819
Ion	Ratio	Lower	Upper
82	100		
128	45.2	36.1	54.1
54	46.3	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: 44.944 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF104491.D

Acq: 13 Apr 2018 20:55

Instrument :

BNA_F

ClientSampleId :

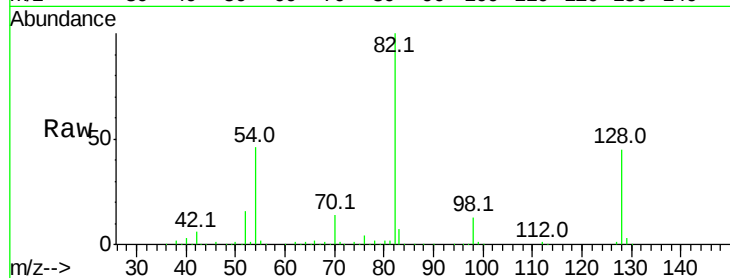
Tot Ion: 82 Resp: 669929

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

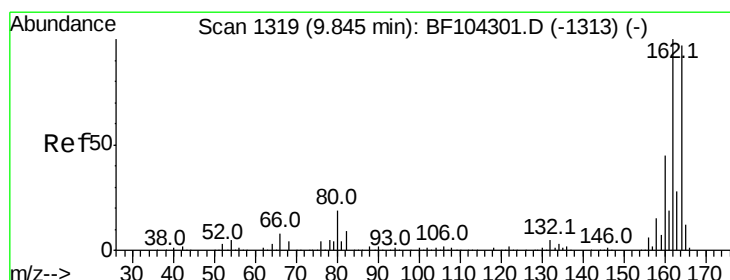
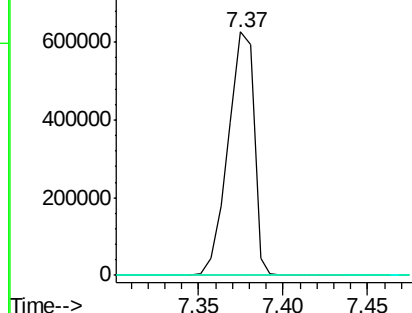
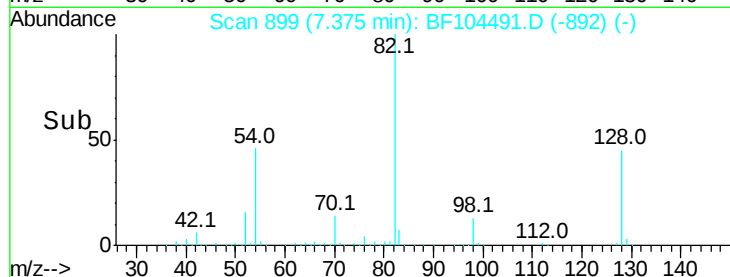
138 0.0 14.9 22.3#



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: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF104491.D

Acq: 13 Apr 2018 20:55

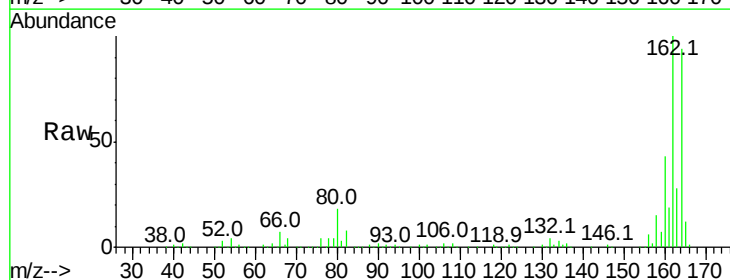
Tgt Ion:164 Resp: 194194

Ion Ratio Lower Upper

164 100

162 106.4 86.1 129.1

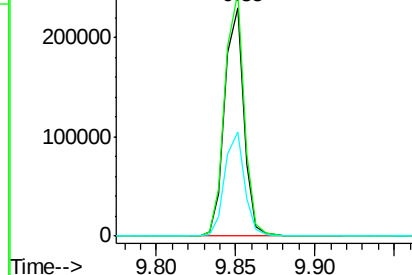
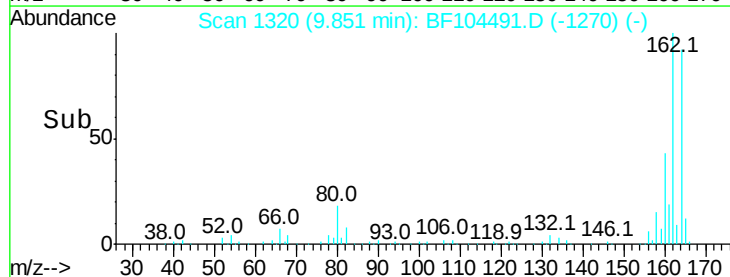
160 45.4 38.3 57.5



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

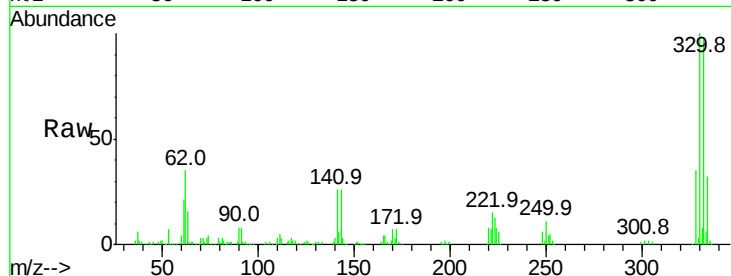




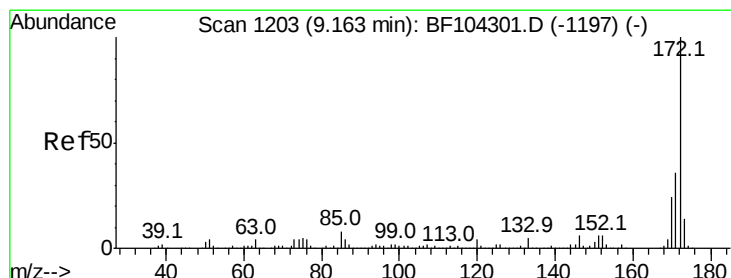
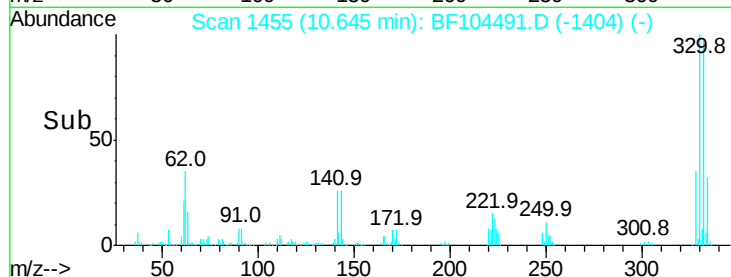
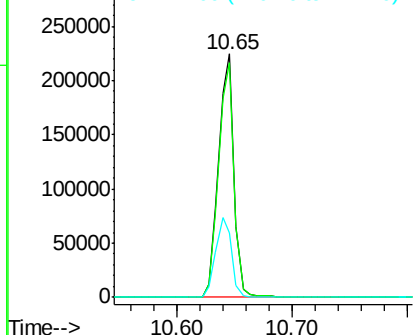
#41
 2,4,6-Tribromophenol
 Concen: 103.927 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.00 min
 Lab File: BF104491.D
 Acq: 13 Apr 2018 20:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.0	115.6
141	33.8	29.9	44.9

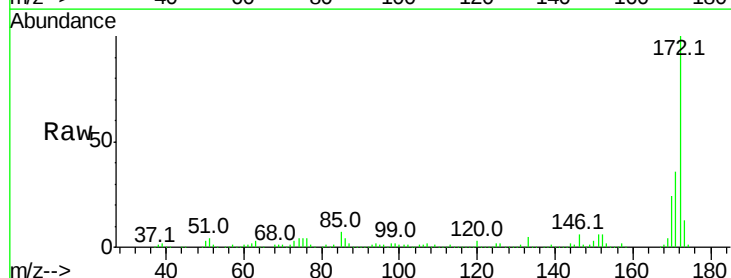


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

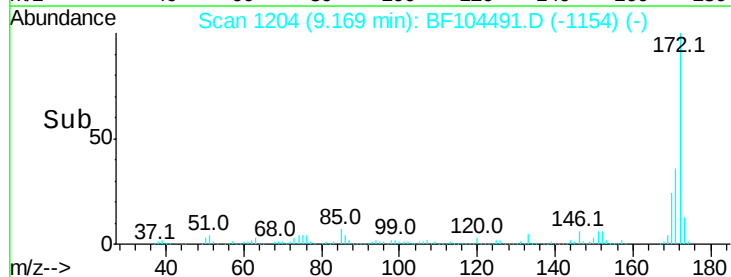
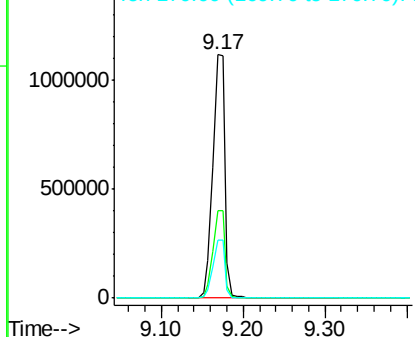


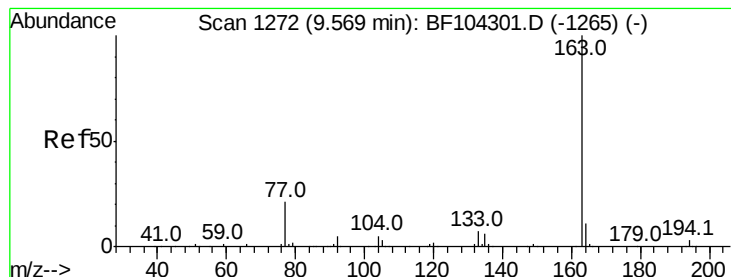
#44
 2-Fluorobiphenyl
 Concen: 93.359 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF104491.D
 Acq: 13 Apr 2018 20:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	23.8	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: 3.530 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.02 min

Lab File: BF104491.D

Acq: 13 Apr 2018 20:55

Instrument :

BNA_F

ClientSampleId :

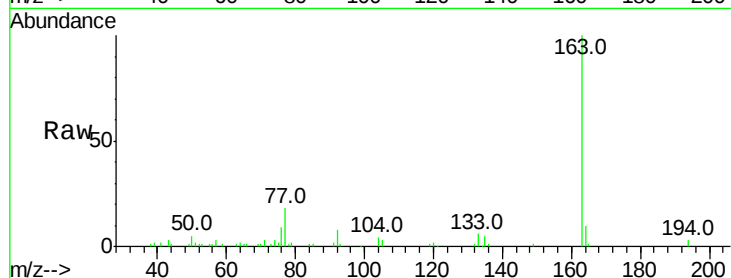
Tot Ion:163 Resp: 54064

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

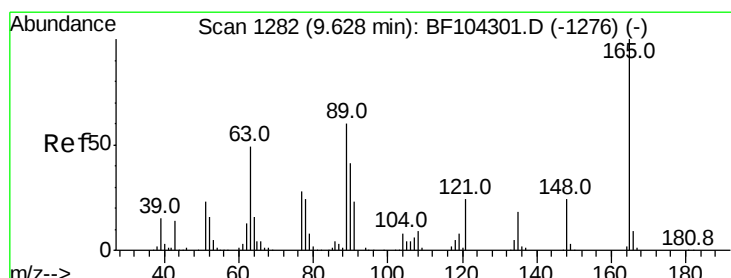
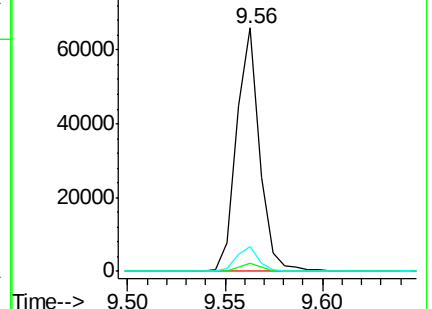
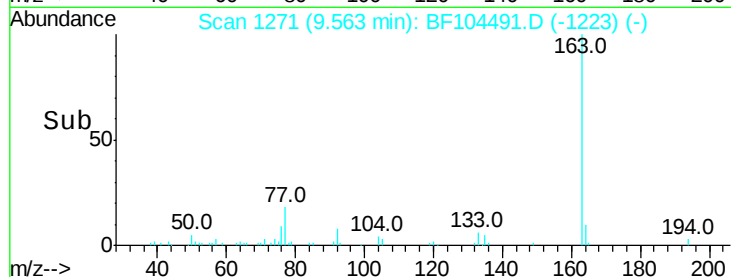
164 10.4 8.2 12.2



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: 8.935 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.21 min

Lab File: BF104491.D

Acq: 13 Apr 2018 20:55

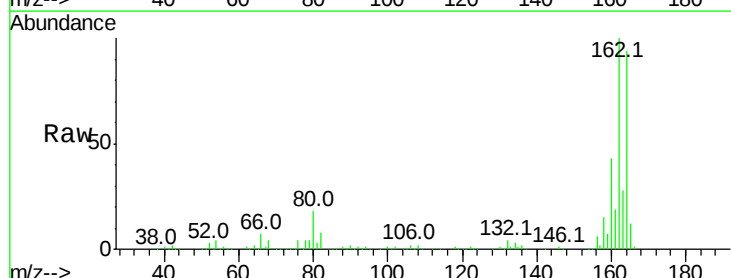
Tgt Ion:165 Resp: 25318

Ion Ratio Lower Upper

165 100

63 1.5 44.7 67.1#

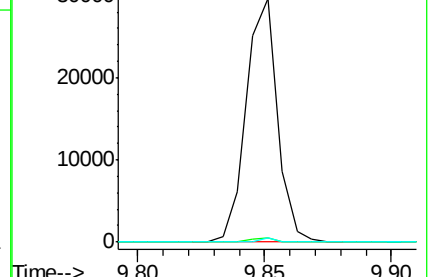
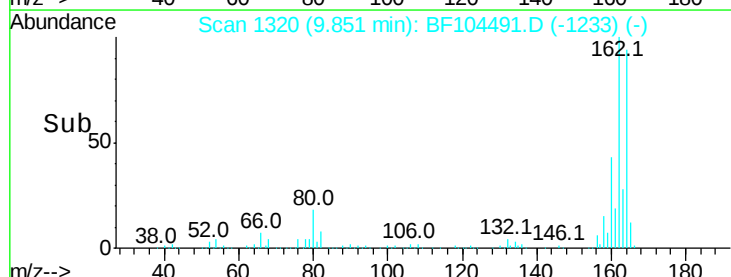
89 1.5 44.0 66.0#



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

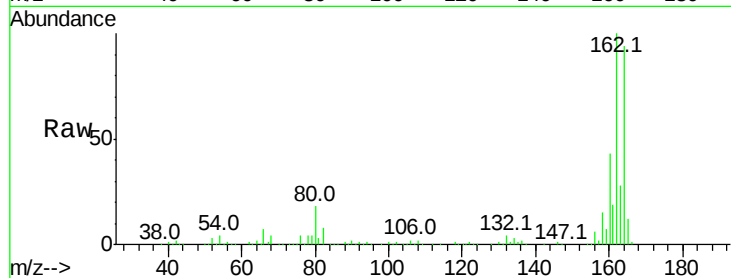




#56
 2,4-Dinitrotoluene
 Concen: 6.812 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF104491.D
 Acq: 13 Apr 2018 20:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	25318
Ion Ratio	Lower	Upper
165	100	
63	1.5	36.4 54.6#
89	1.5	57.8 86.6#
182	0.0	1.6 2.4#

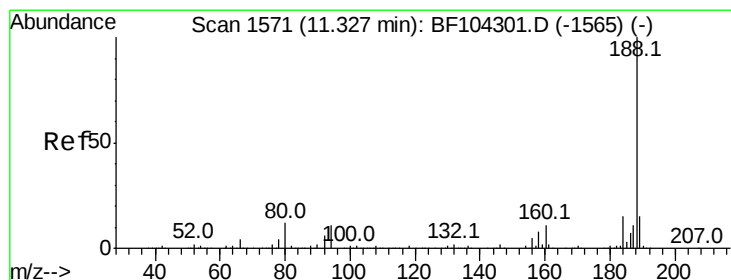
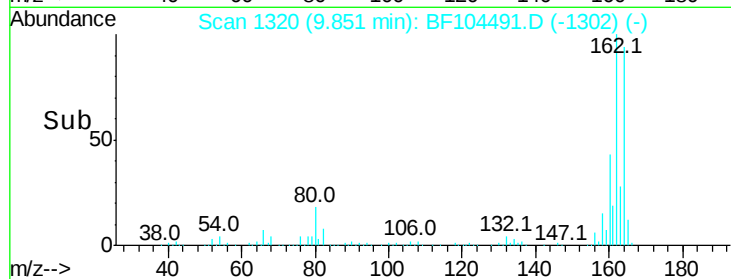
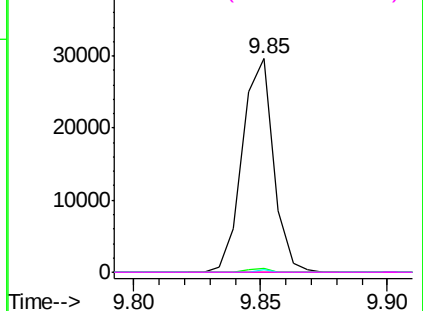


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

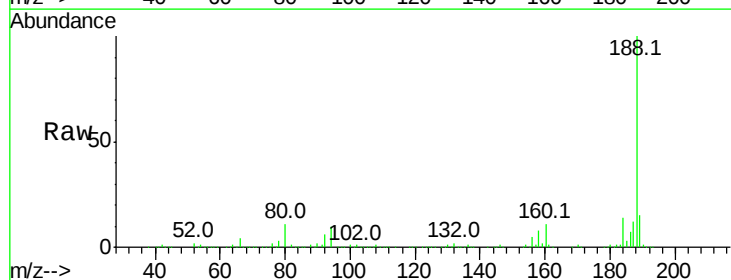
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: BF104491.D
 Acq: 13 Apr 2018 20:55

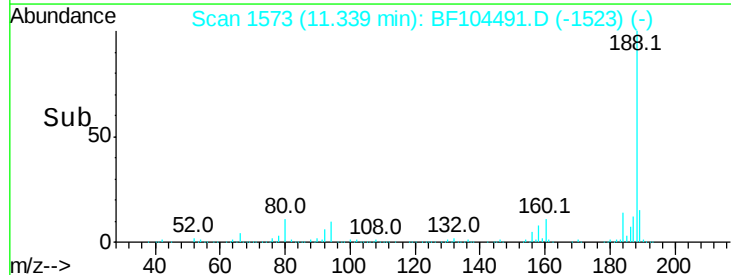
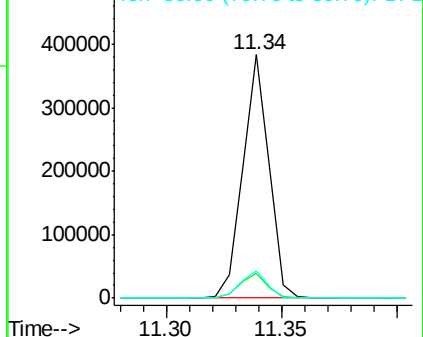
Tgt Ion:188	Resp:	302427
Ion Ratio	Lower	Upper
188	100	
94	9.9	8.5 12.7
80	11.0	9.2 13.8

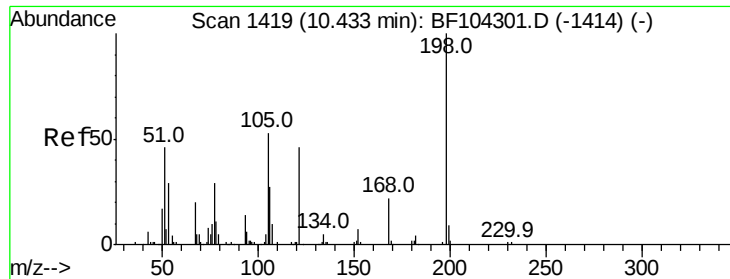


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

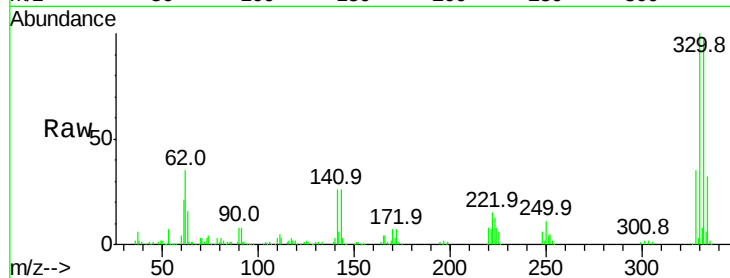




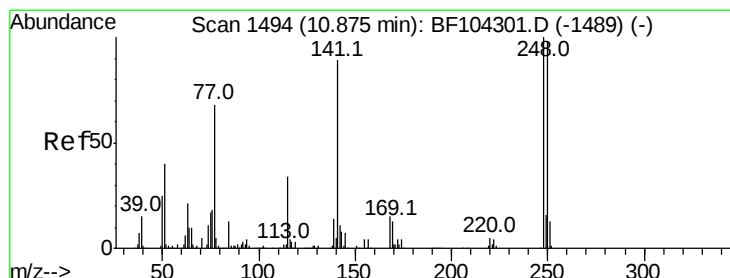
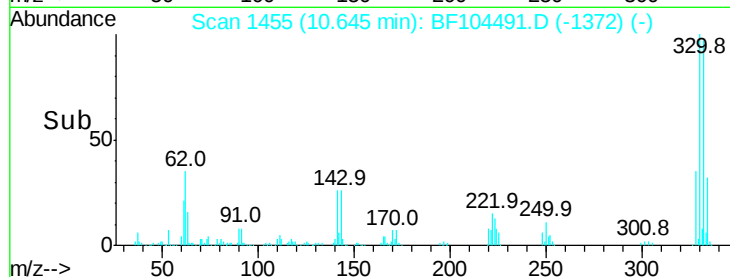
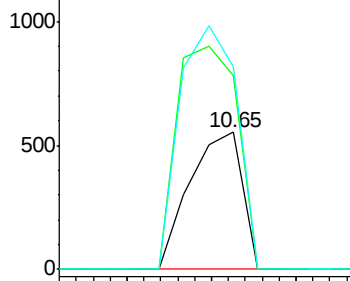
#64
4,6-Dinitro-2-methylphenol
Concen: 7.623 ng
RT: 10.65 min Scan# 1455
Delta R.T. 0.19 min
Lab File: BF104491.D
Acq: 13 Apr 2018 20:55

Instrument :
BNA_F
ClientSampled :

Tot Ion:198 Resp: 480
Ion Ratio Lower Upper
198 100
51 141.1 37.7 77.7#
105 148.6 36.3 76.3#

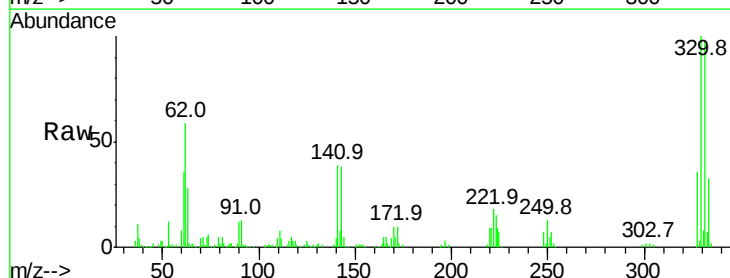


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

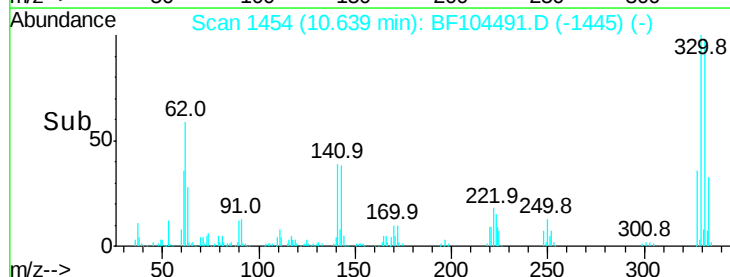
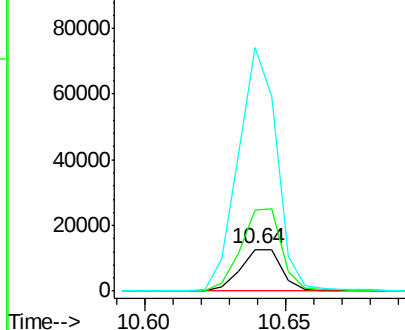


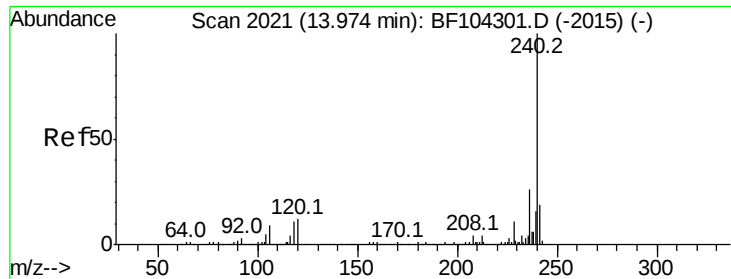
#66
4-Bromophenyl-phenylether
Concen: 3.965 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.25 min
Lab File: BF104491.D
Acq: 13 Apr 2018 20:55

Tgt Ion:248 Resp: 12754
Ion Ratio Lower Upper
248 100
250 193.8 76.9 115.3#
141 582.4 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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104491.D

Acq: 13 Apr 2018 20:55

Instrument :

BNA_F

ClientSampleId :

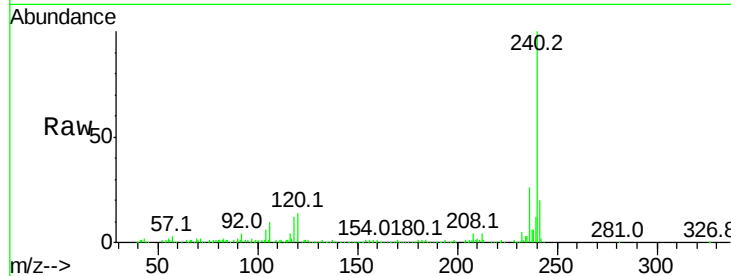
Tot Ion:240 Resp: 221022

Ion Ratio Lower Upper

240 100

120 14.0 9.5 14.3

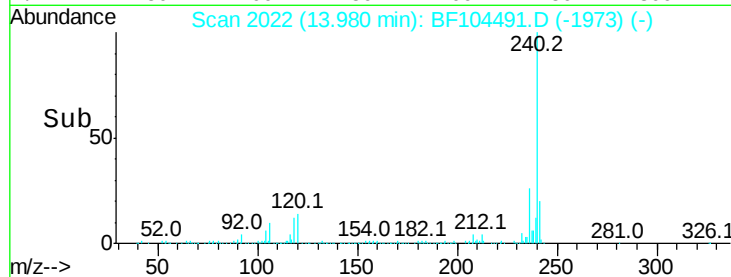
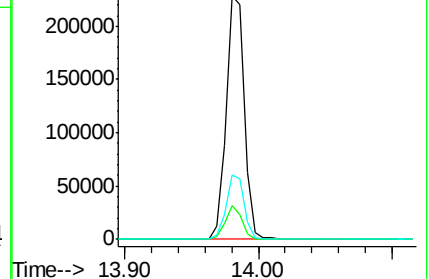
236 26.4 20.7 31.1



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: 89.408 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF104491.D

Acq: 13 Apr 2018 20:55

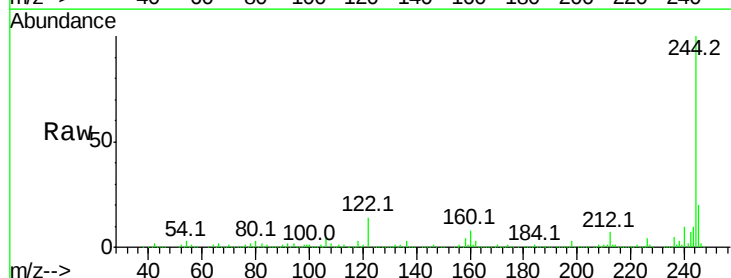
Tgt Ion:244 Resp: 866784

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

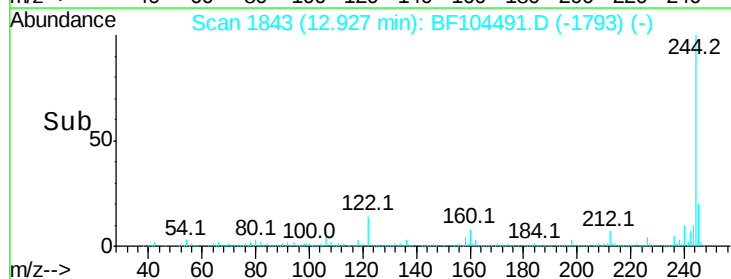
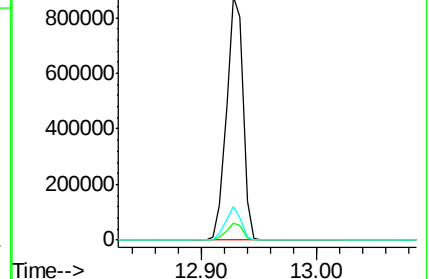
122 13.6 11.0 16.4

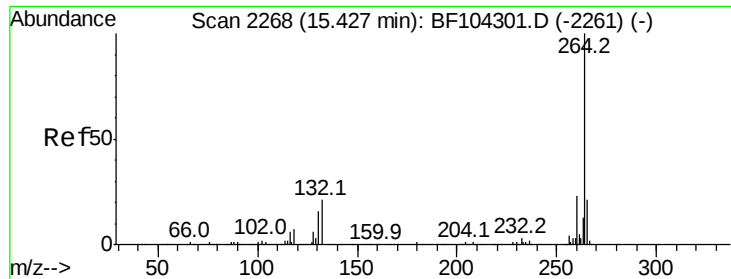


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.45 min Scan# 2272
 Delta R.T. -0.01 min
 Lab File: BF104491.D
 Acq: 13 Apr 2018 20:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.0	17.5	26.3

