

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
 Data File : BF104664.D
 Acq On : 20 Apr 2018 8:18
 Operator : JU/SJ
 Sample : J2447-05
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 20 08:47:42 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 19 14:44:03 2018
 Response via : Initial Calibration

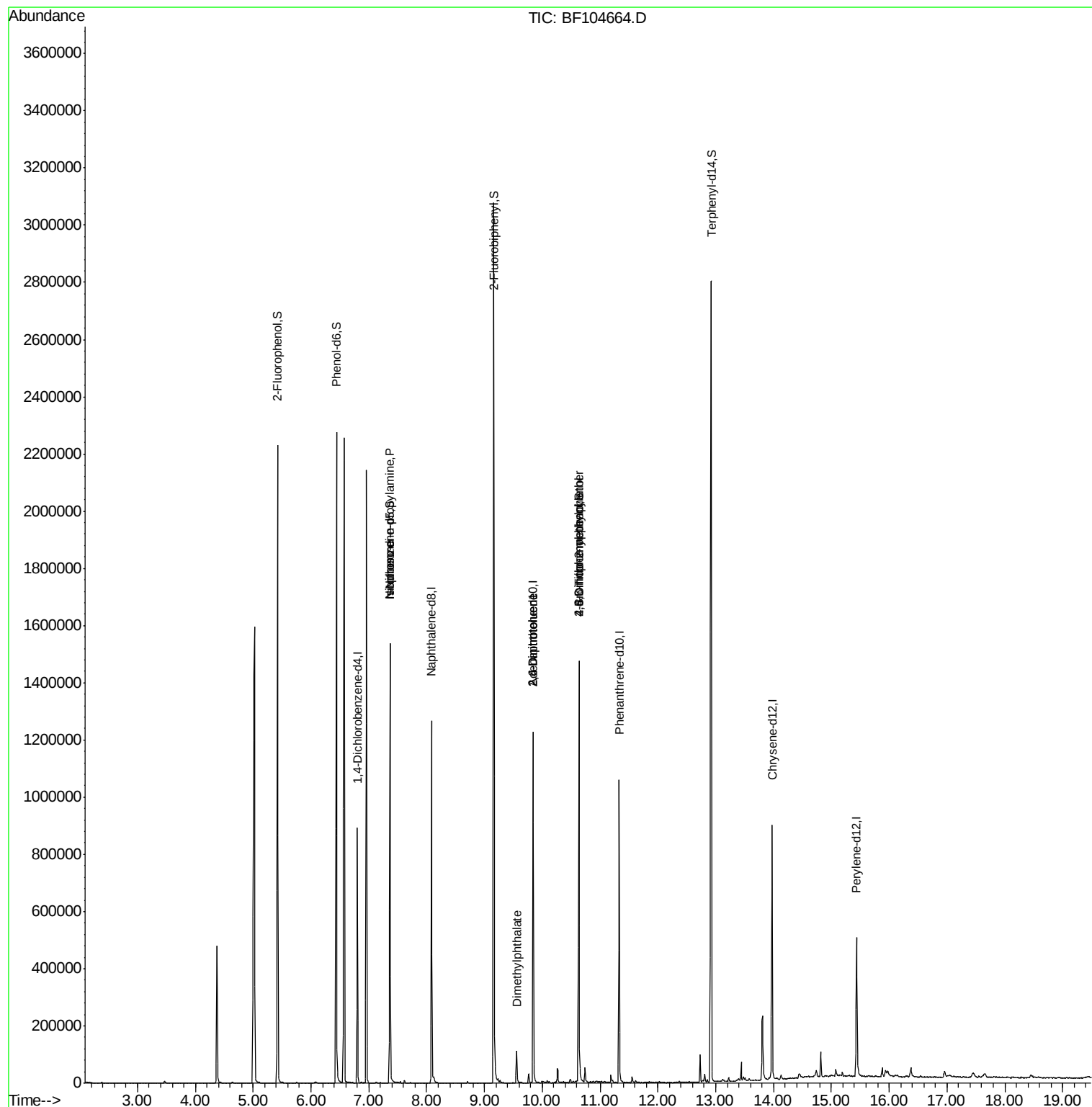
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	139047	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	563869	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	240775	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	375415	20.00	ng	0.00
75) Chrysene-d12	13.97	240	291758	20.00	ng	-0.01
86) Perylene-d12	15.44	264	235085	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	618096	67.97	ng	0.00
7) Phenol-d6	6.44	99	825033	73.84	ng	0.00
23) Nitrobenzene-d5	7.37	82	523875	60.67	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	197312	79.00	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	972758	63.82	ng	0.00
78) Terphenyl-d14	12.92	244	1054310	82.38	ng	0.00
Target Compounds						
9) Benzaldehyde	6.44	77	1252	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	67505	9.246 ng	#	73
25) Isophorone	7.37	82	523871	28.689 ng	#	64
49) Dimethylphthalate	9.56	163	55110	2.903 ng	#	99
50) 2,6-Dinitrotoluene	9.84	165	30578	8.703 ng	#	25
56) 2,4-Dinitrotoluene	9.84	165	30578	6.635 ng	#	23
64) 4,6-Dinitro-2-methylphenol	10.63	198	300	7.486 ng	#	1
66) 4-Bromophenyl-phenylether	10.63	248	11675	2.924 ng	#	1
76) Benzidine	12.92	184	13622	Below Cal	#	95

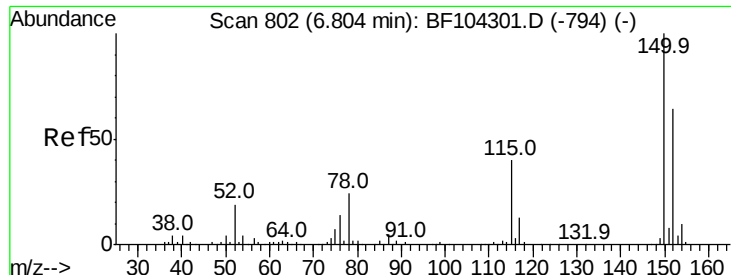
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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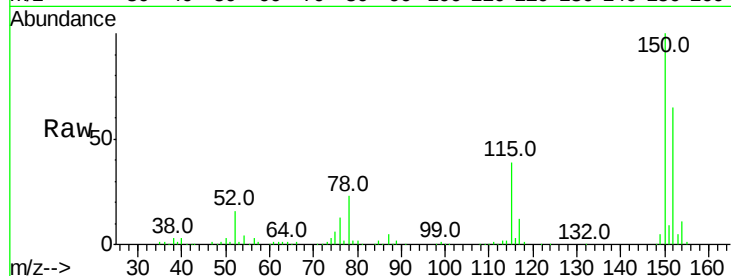


#1

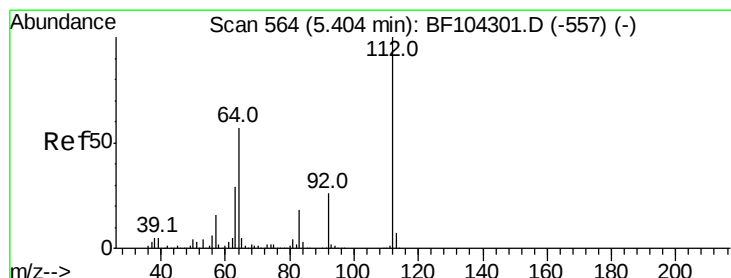
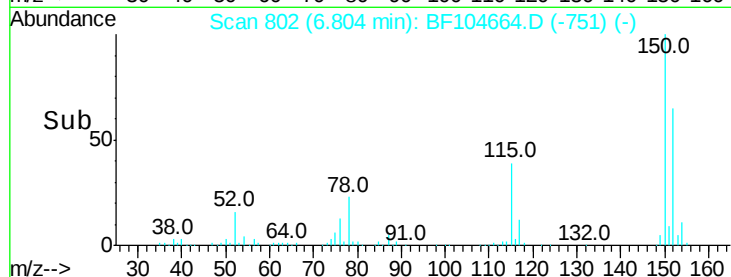
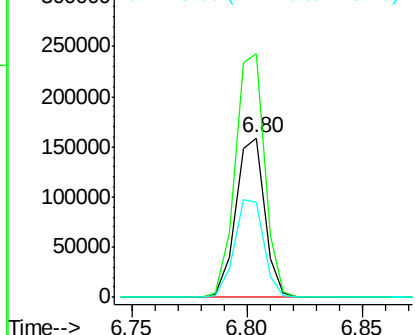
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104664.D
Acq: 20 Apr 2018 8:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 139047
Ion Ratio Lower Upper
152 100
150 153.0 124.6 186.8
115 59.9 50.1 75.1



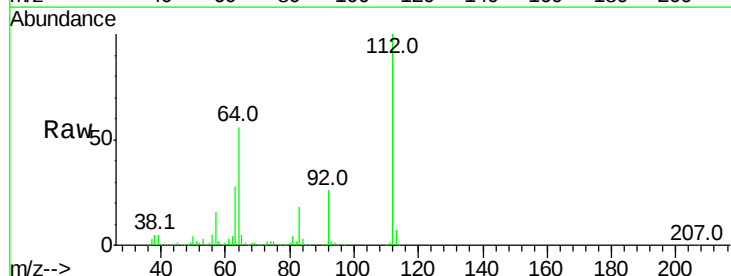
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



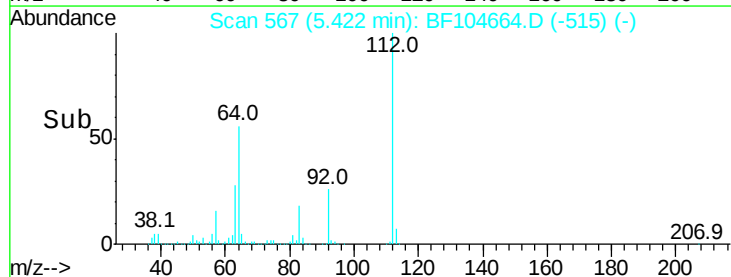
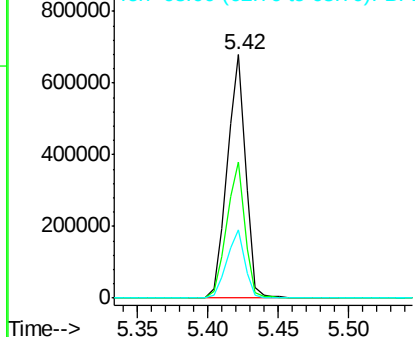
#5

2-Fluorophenol
Concen: 67.970 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104664.D
Acq: 20 Apr 2018 8:18

Tgt Ion:112 Resp: 618096
Ion Ratio Lower Upper
112 100
64 55.7 47.9 71.9
63 28.2 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: 73.841 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104664.D

Acq: 20 Apr 2018 8:18

Instrument :

BNA_F

ClientSampled :

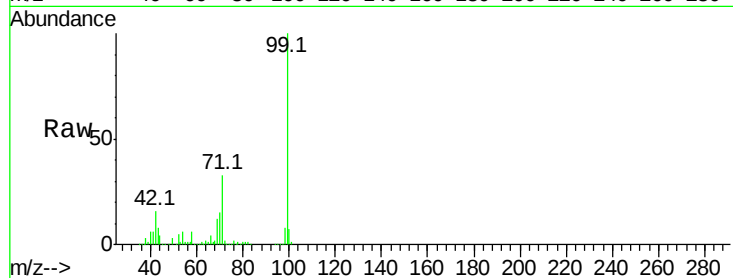
Tot Ion: 99 Resp: 825033

Ion Ratio Lower Upper

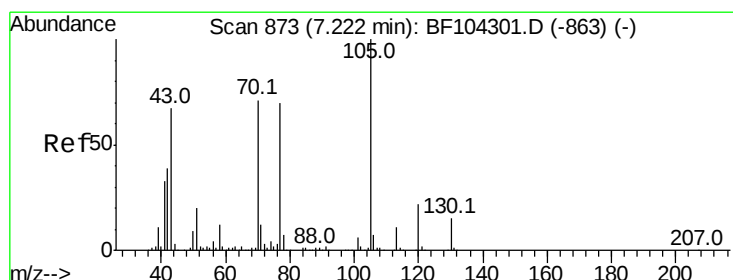
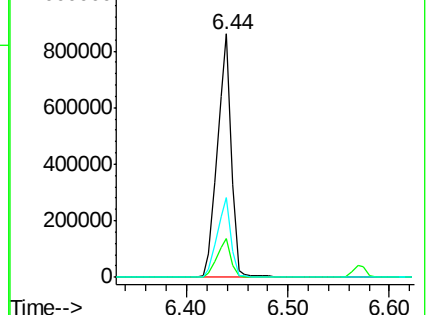
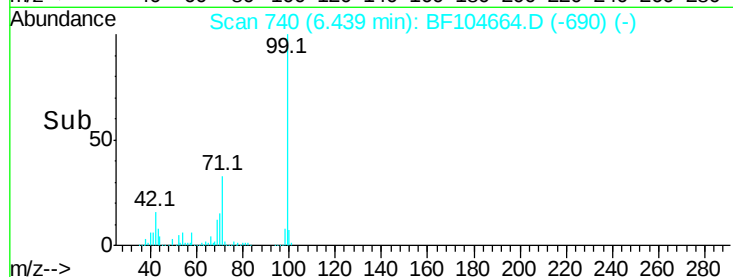
99 100

42 15.8 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: 9.246 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF104664.D

Acq: 20 Apr 2018 8:18

Tgt Ion: 70 Resp: 67505

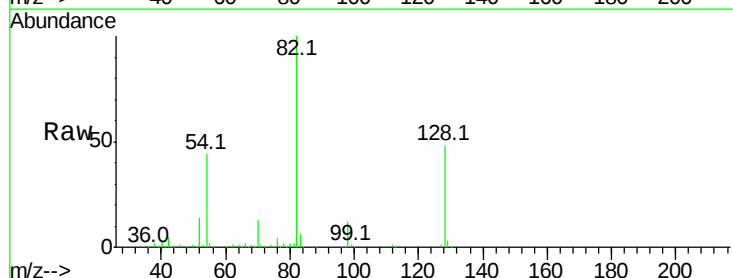
Ion Ratio Lower Upper

70 100

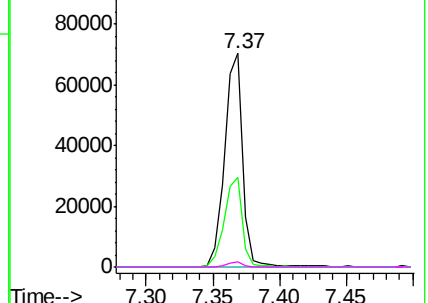
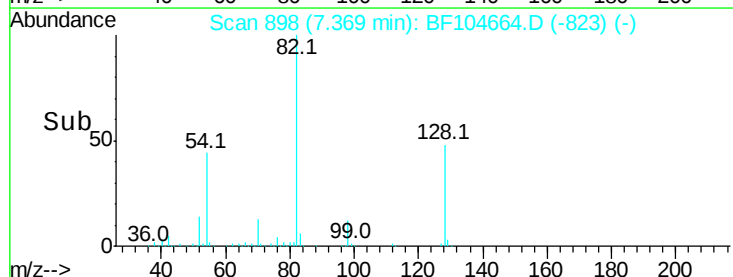
42 42.2 47.5 71.3#

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

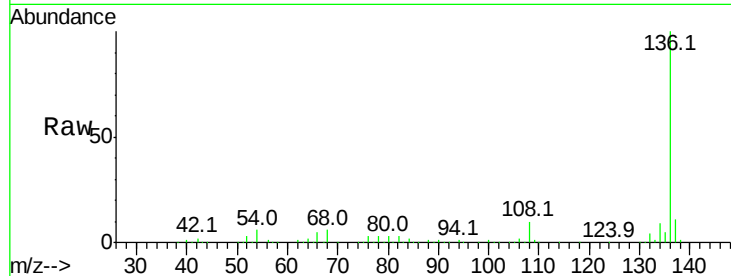




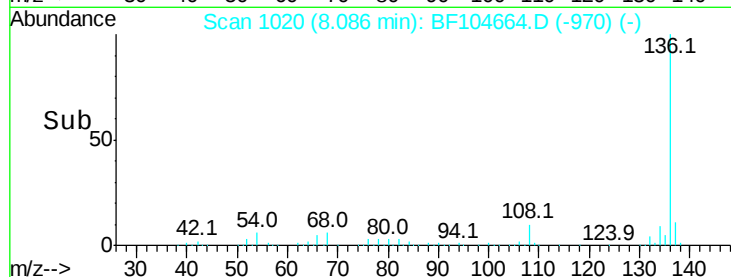
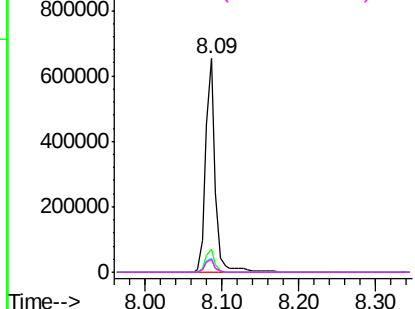
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF104664.D
Acq: 20 Apr 2018 8:18

Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	563869
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	6.4	6.6	9.8#
68	5.9	5.0	7.4

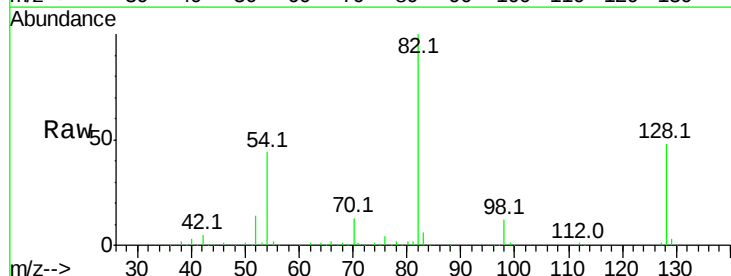


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

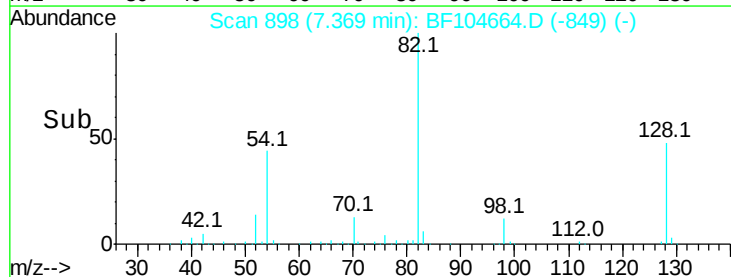
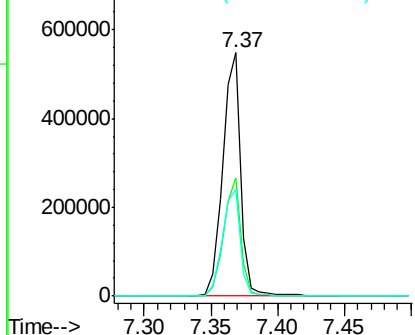


#23
Nitrobenzene-d5
Concen: 60.667 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104664.D
Acq: 20 Apr 2018 8:18

Tgt Ion:	82	Resp:	523875
Ion	Ratio	Lower	Upper
82	100		
128	48.4	36.1	54.1
54	43.7	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

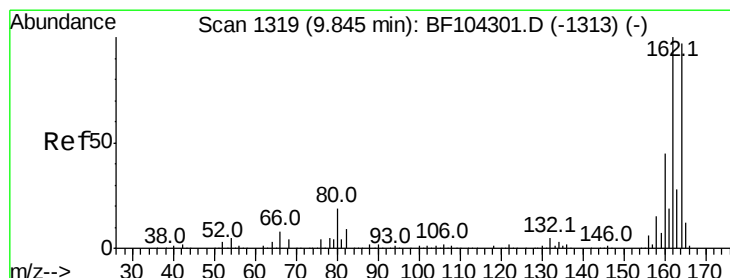
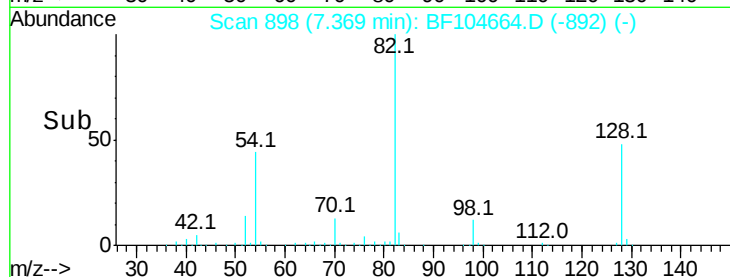
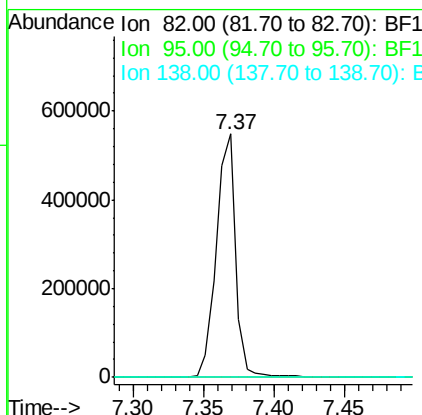
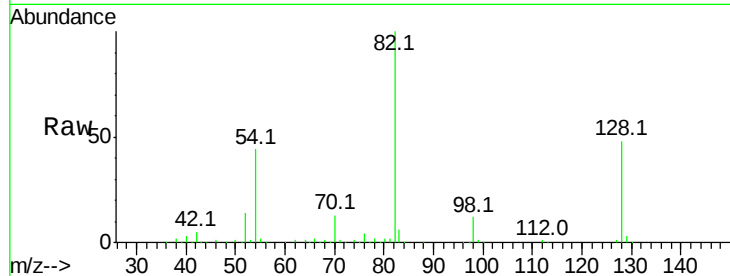




#25
Isophorone
Concen: 28.689 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.26 min
Lab File: BF104664.D
Acq: 20 Apr 2018 8:18

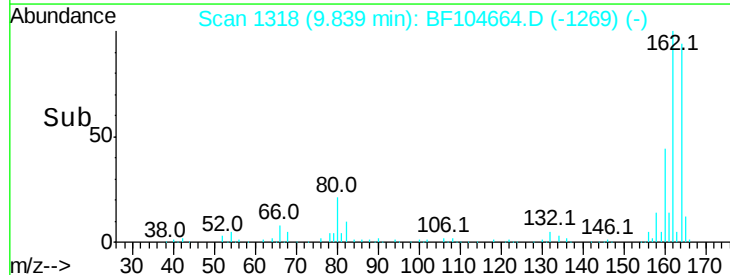
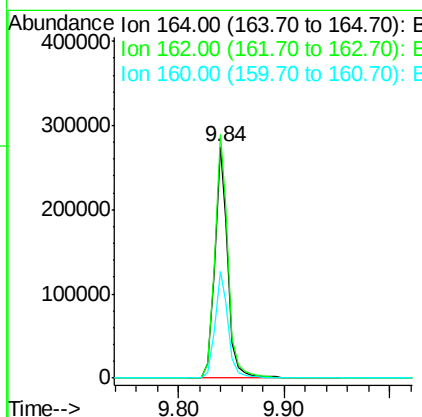
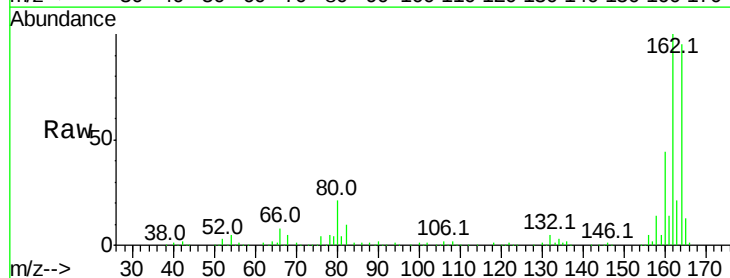
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 523871
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: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF104664.D
Acq: 20 Apr 2018 8:18

Tgt Ion:164 Resp: 240775
Ion Ratio Lower Upper
164 100
162 105.3 86.1 129.1
160 45.9 38.3 57.5

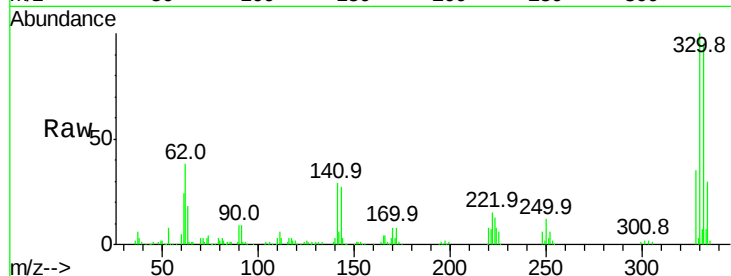




#41
 2,4,6-Tribromophenol
 Concen: 79.000 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104664.D
 Acq: 20 Apr 2018 8:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.0	115.6
141	32.6	29.9	44.9

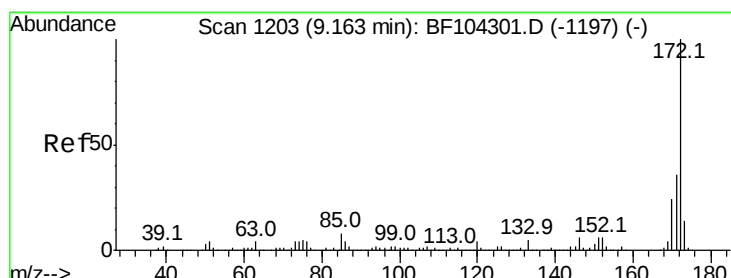
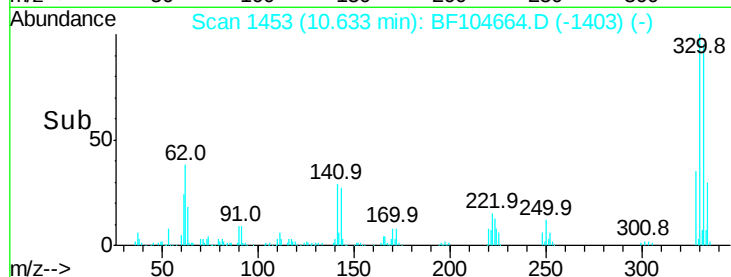
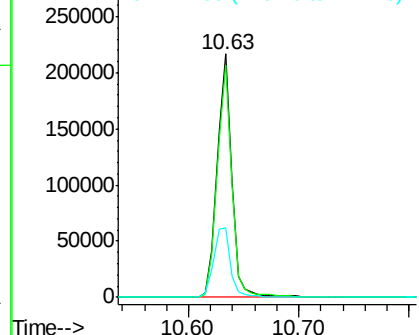


Abundance

Ion 329.80 (329.50 to 330.50): E

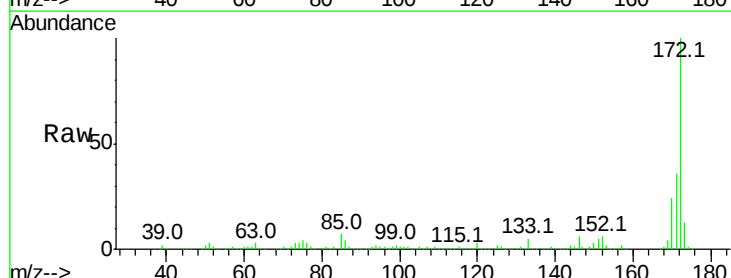
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 63.824 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF104664.D
 Acq: 20 Apr 2018 8:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	23.8	19.6	29.4

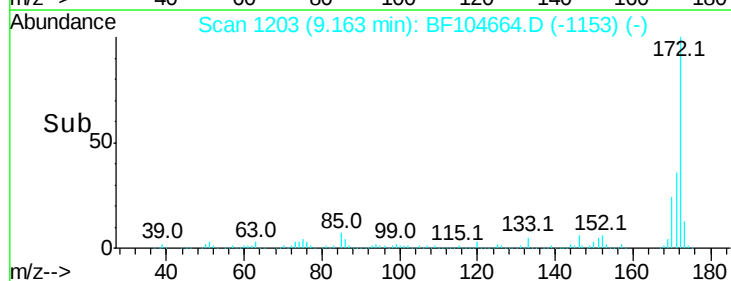
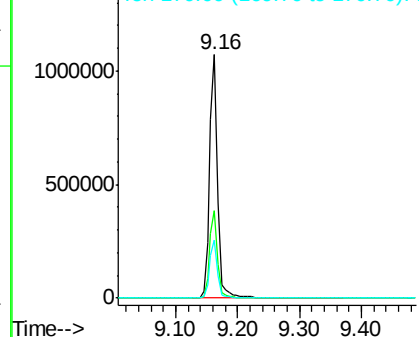


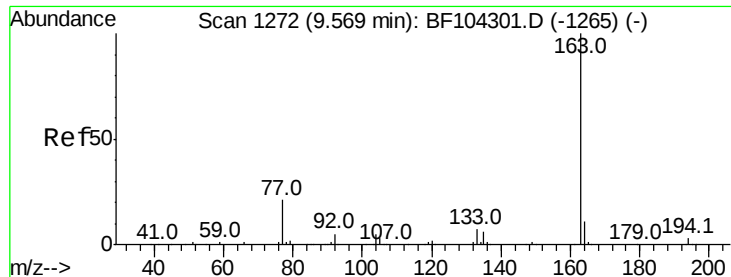
Abundance

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

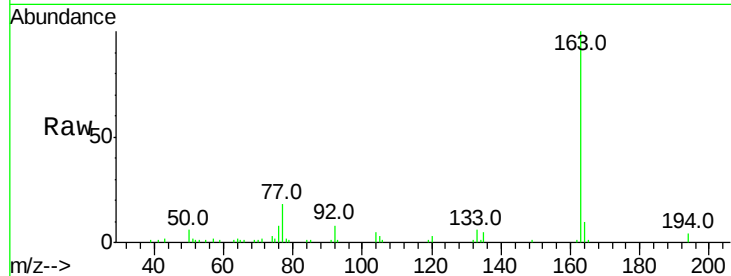




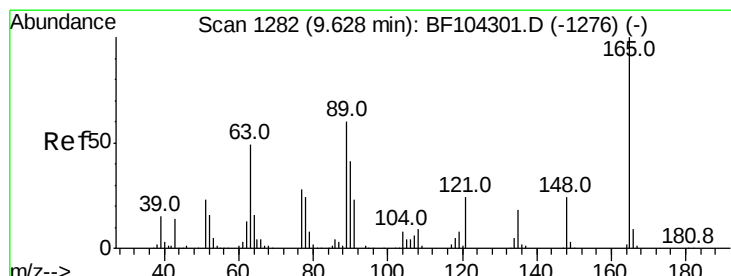
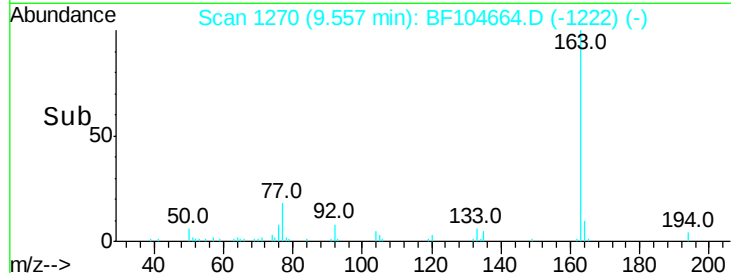
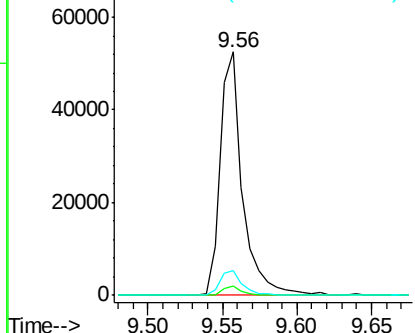
#49
Dimethylphthalate
Concen: 2.903 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF104664.D
Acq: 20 Apr 2018 8:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 55110
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 10.1 8.2 12.2

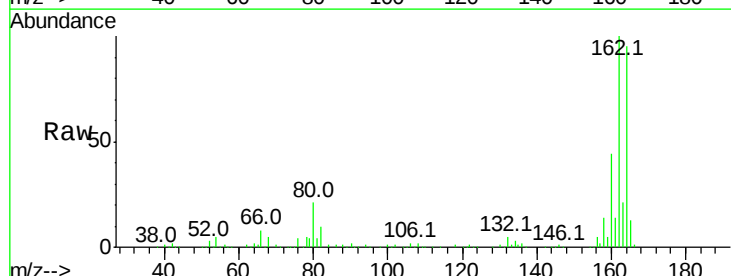


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

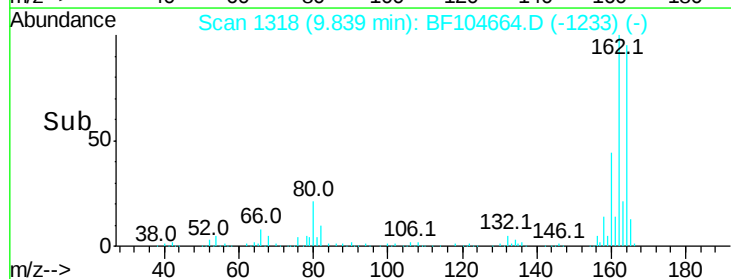
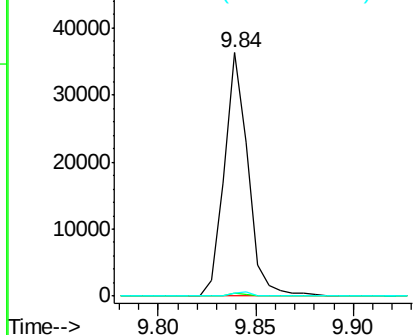


#50
2,6-Dinitrotoluene
Concen: 8.703 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.20 min
Lab File: BF104664.D
Acq: 20 Apr 2018 8:18

Tgt Ion:165 Resp: 30578
Ion Ratio Lower Upper
165 100
63 1.5 44.7 67.1#
89 1.1 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

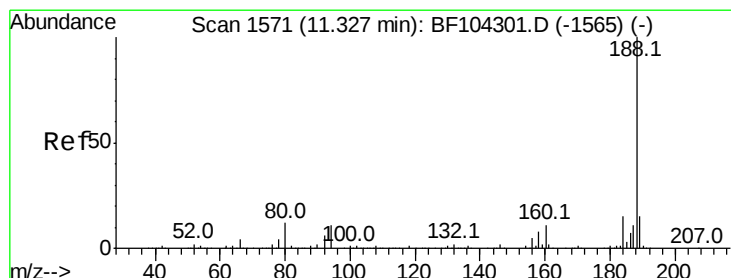
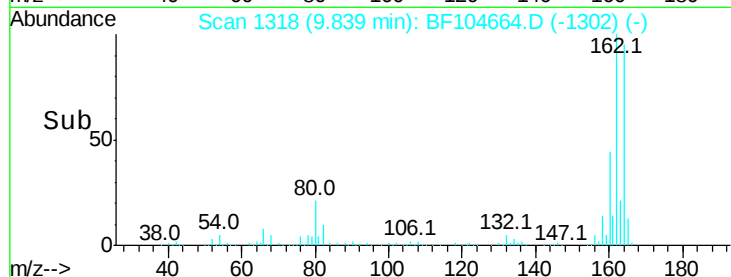
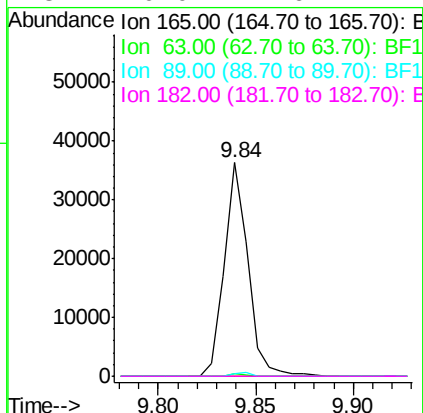
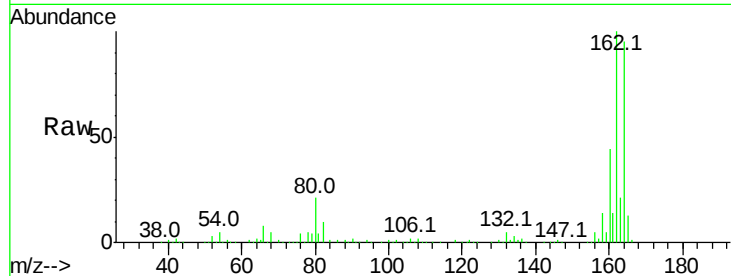




#56
 2,4-Dinitrotoluene
 Concen: 6.635 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.21 min
 Lab File: BF104664.D
 Acq: 20 Apr 2018 8:18

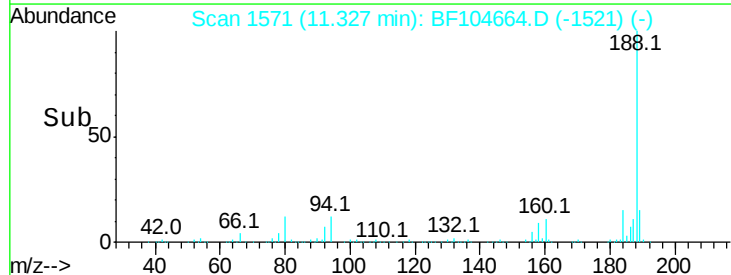
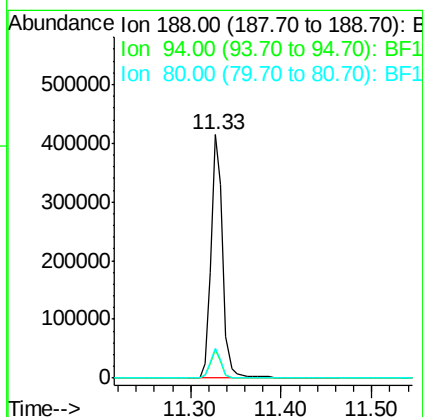
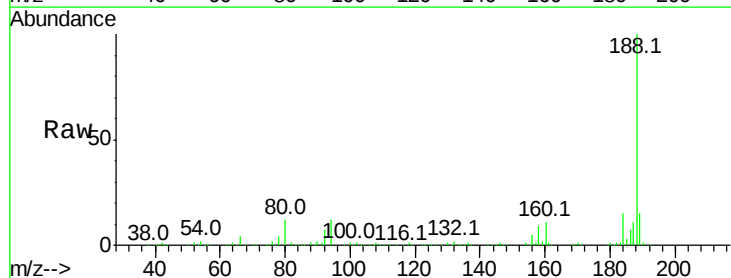
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:165	Resp:	30578	
Ion Ratio	Lower	Upper	
165 100			
63 1.5	36.4	54.6#	
89 1.1	57.8	86.6#	
182 0.0	1.6	2.4#	



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF104664.D
 Acq: 20 Apr 2018 8:18

Tgt	Ion:188	Resp:	375415
Ion	Ratio	Lower	Upper
188	100		
94	11.9	8.5	12.7
80	12.0	9.2	13.8

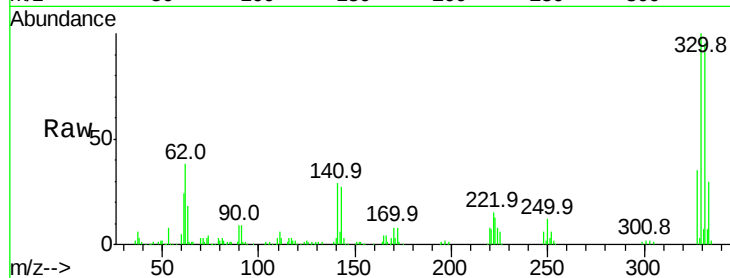




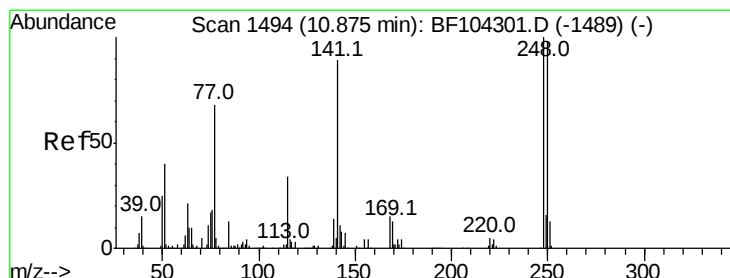
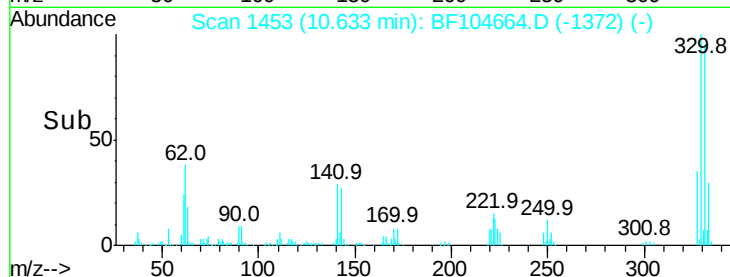
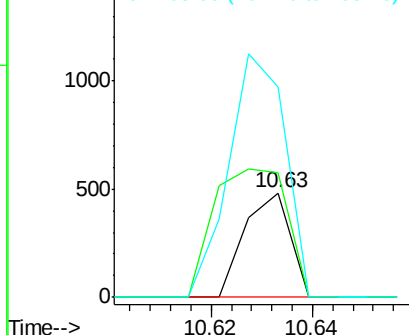
#64
4,6-Dinitro-2-methylphenol
Concen: 7.486 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.18 min
Lab File: BF104664.D
Acq: 20 Apr 2018 8:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 300
Ion Ratio Lower Upper
198 100
51 119.3 37.7 77.7#
105 201.2 36.3 76.3#

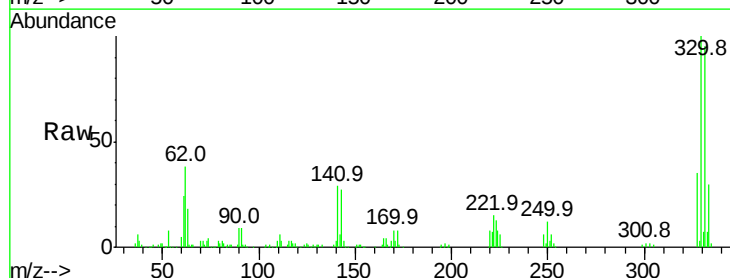


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

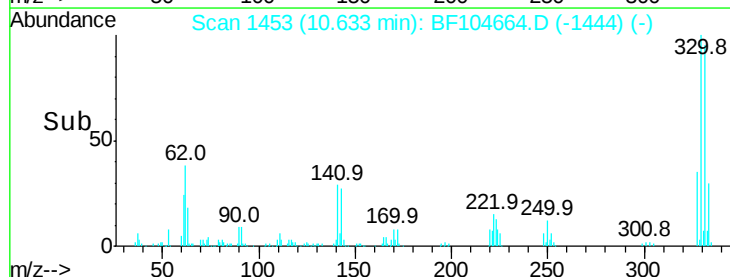
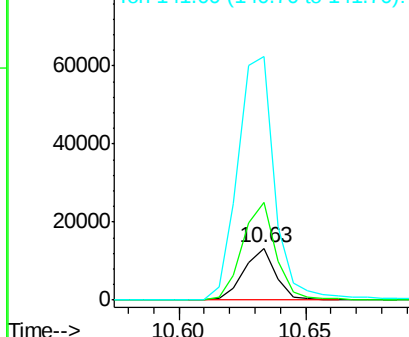


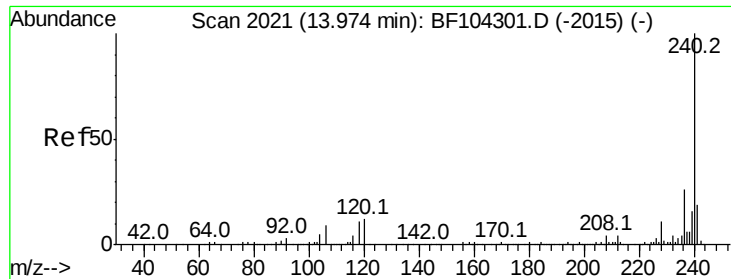
#66
4-Bromophenyl-phenylether
Concen: 2.924 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.25 min
Lab File: BF104664.D
Acq: 20 Apr 2018 8:18

Tgt Ion:248 Resp: 11675
Ion Ratio Lower Upper
248 100
250 187.4 76.9 115.3#
141 466.0 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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF104664.D

Acq: 20 Apr 2018 8:18

Instrument :

BNA_F

ClientSampleId :

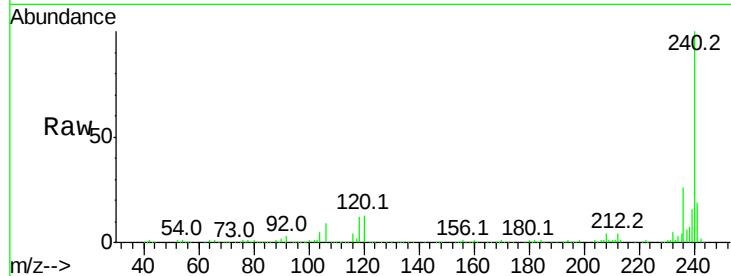
Tot Ion:240 Resp: 291758

Ion Ratio Lower Upper

240 100

120 12.8 9.5 14.3

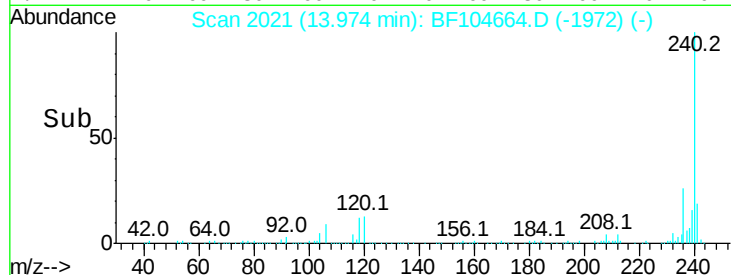
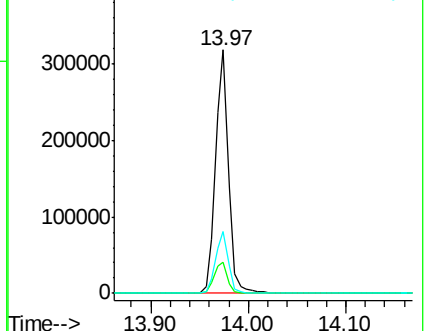
236 25.6 20.7 31.1



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: 82.385 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF104664.D

Acq: 20 Apr 2018 8:18

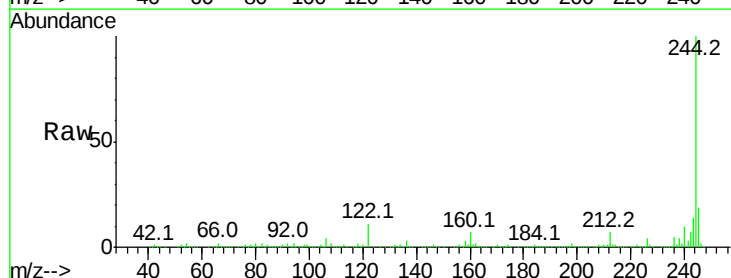
Tgt Ion:244 Resp: 1054310

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

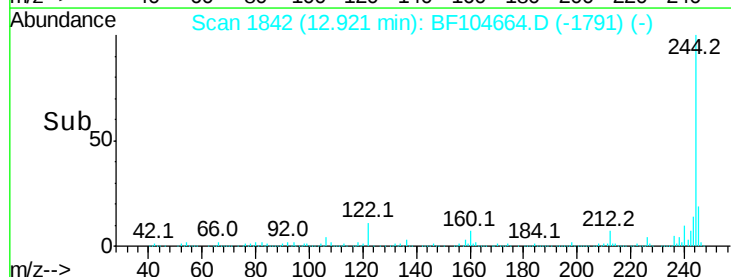
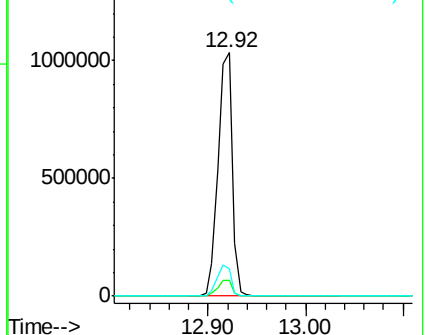
122 11.1 11.0 16.4

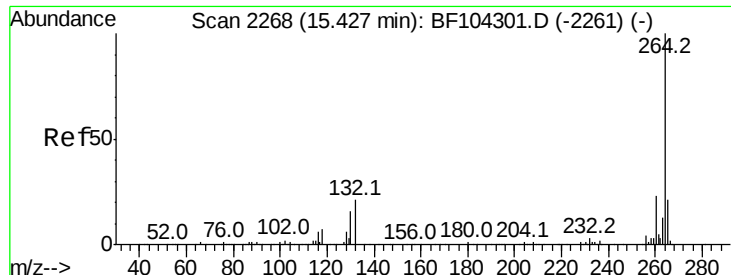


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

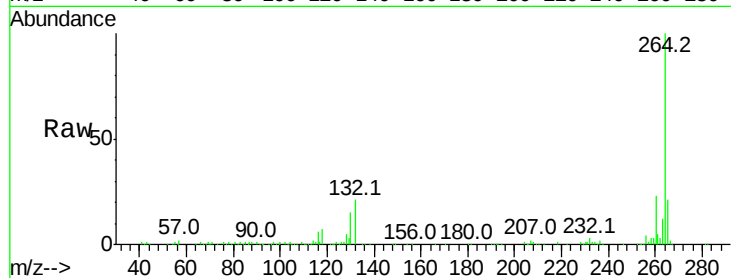




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF104664.D
Acq: 20 Apr 2018 8:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.1	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

