

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040618\
 Data File : BF104353.D
 Acq On : 7 Apr 2018 12:29
 Operator : JU/SJ
 Sample : J2255-08
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 040418-DBRI-E-D-M

Quant Time: Apr 09 00:50:31 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 06 16:44:53 2018
 Response via : Initial Calibration

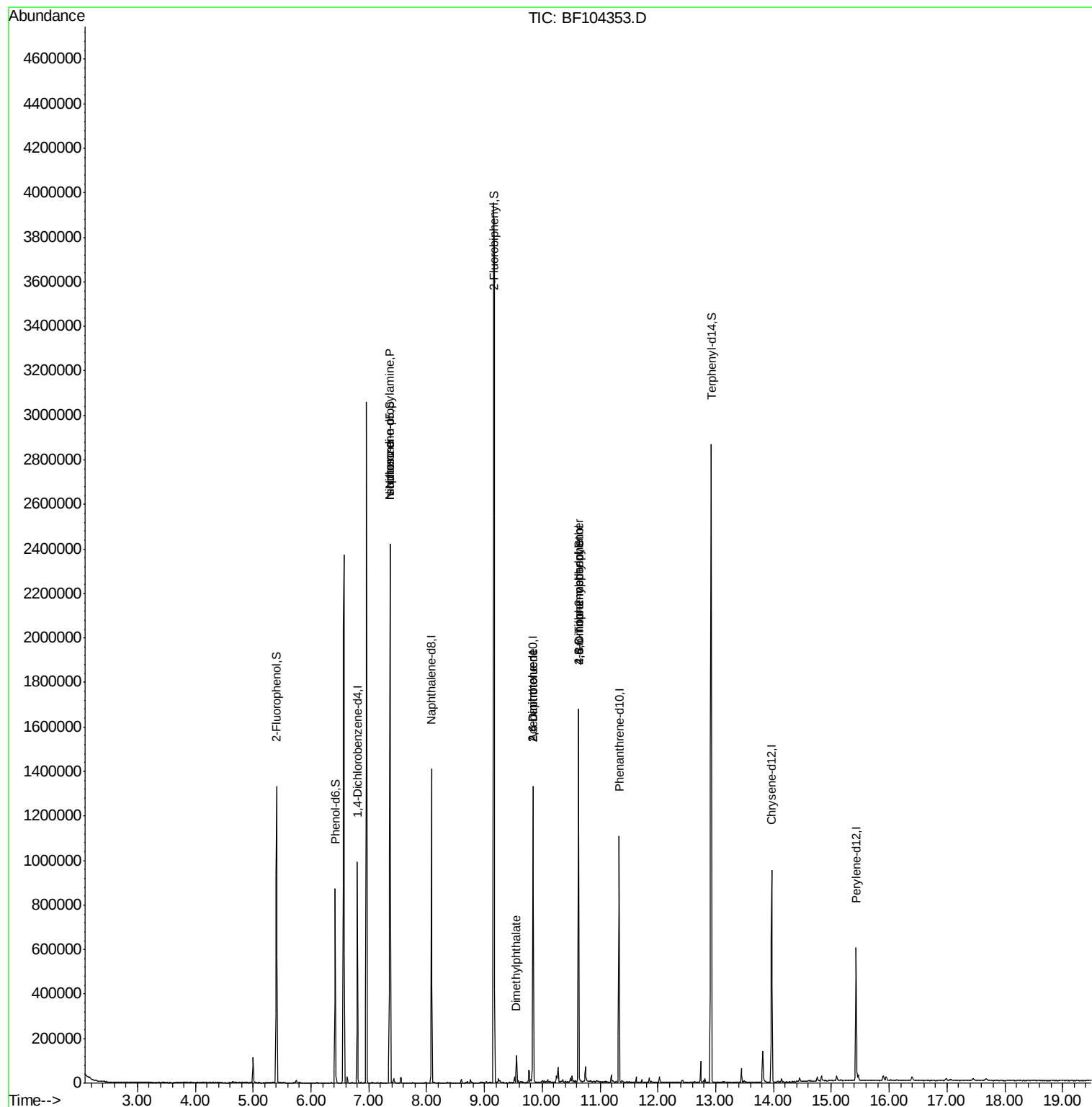
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	145751	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	570229	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	247731	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	361461	20.00	ng	0.00
75) Chrysene-d12	13.97	240	287841	20.00	ng	0.00
86) Perylene-d12	15.43	264	262404	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	348357	36.55	ng	0.00
7) Phenol-d6	6.42	99	254011	21.69	ng	-0.01
23) Nitrobenzene-d5	7.37	82	857437	98.19	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	189771	73.85	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1436408	91.60	ng	0.00
78) Terphenyl-d14	12.92	244	1019593	80.76	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	112552	14.707	ng	# 73
25) Isophorone	7.37	82	856859	46.401	ng	# 64
49) Dimethylphthalate	9.56	163	48430	2.479	ng	# 99
50) 2,6-Dinitrotoluene	9.84	165	31828	8.805	ng	# 26
56) 2,4-Dinitrotoluene	9.84	165	31828	6.712	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	297	7.490	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	11232	2.921	ng	# 1
76) Benzidine	12.92	184	13029	Below Cal		# 94

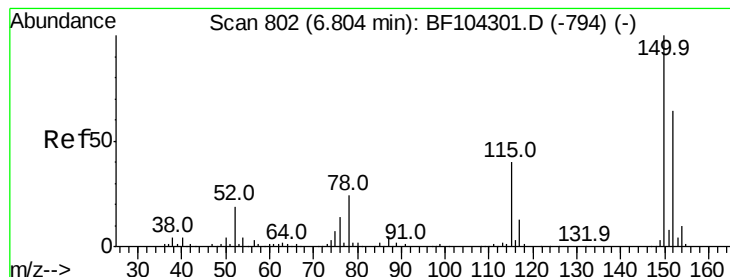
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.80 min Scan# 802

Delta R.T. 0.00 min

Lab File: BF104353.D

Acq: 7 Apr 2018 12:29

Instrument :

BNA_F

ClientSampleId :

040418-DBRI-E-D-M

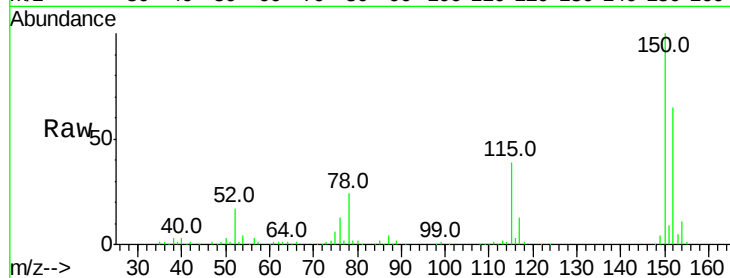
Tot Ion:152 Resp: 145751

Ion Ratio Lower Upper

152 100

150 153.0 124.6 186.8

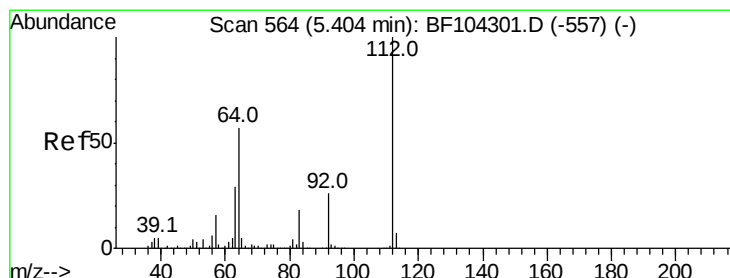
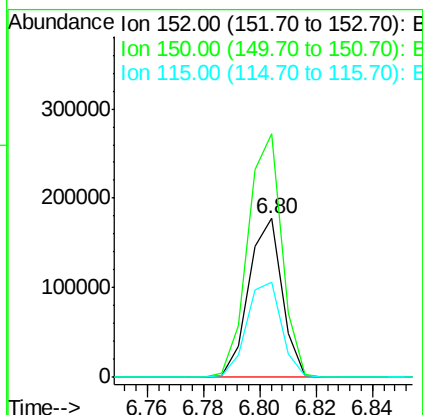
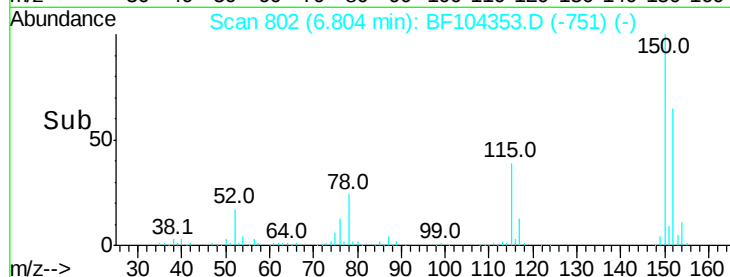
115 59.8 50.1 75.1



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: 36.546 ng

RT: 5.40 min Scan# 564

Delta R.T. 0.00 min

Lab File: BF104353.D

Acq: 7 Apr 2018 12:29

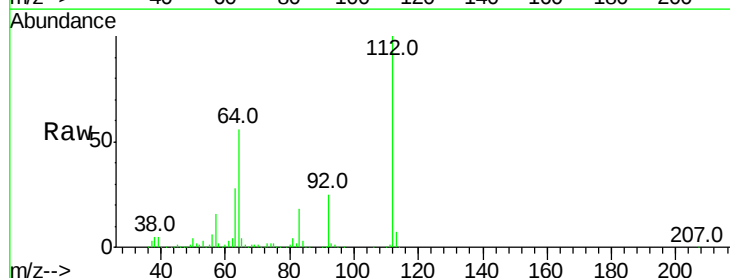
Tgt Ion:112 Resp: 348357

Ion Ratio Lower Upper

112 100

64 55.8 47.9 71.9

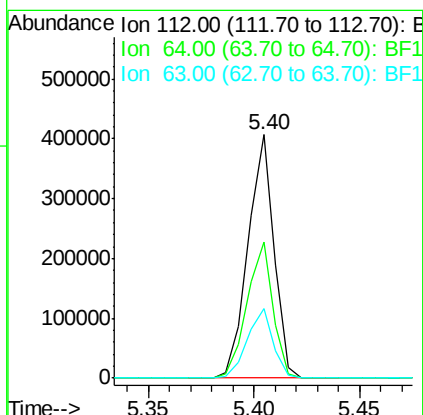
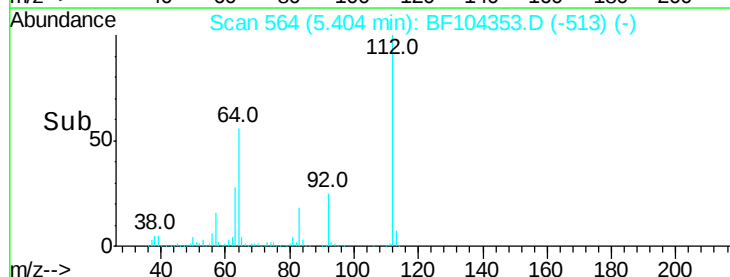
63 28.4 23.7 35.5

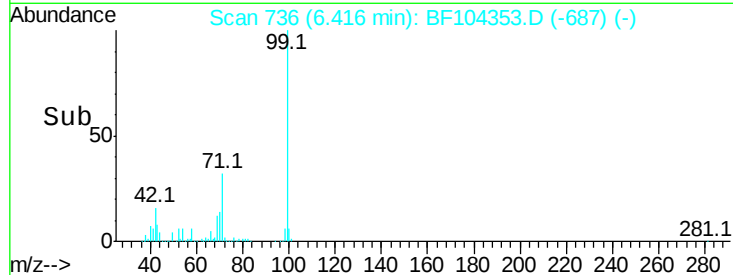
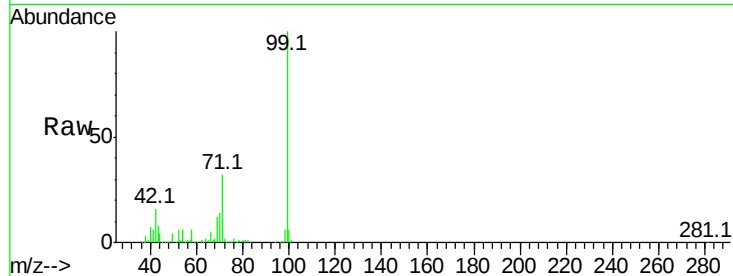


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 21.688 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF104353.D

Acq: 7 Apr 2018 12:29

Instrument :

BNA_F

ClientSampleId :

040418-DBRI-E-D-M

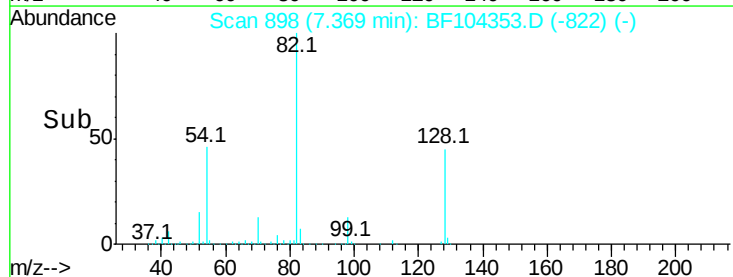
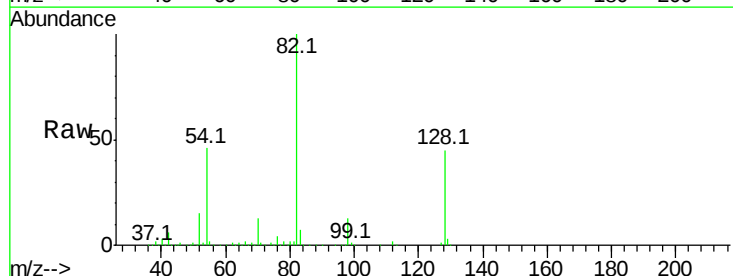
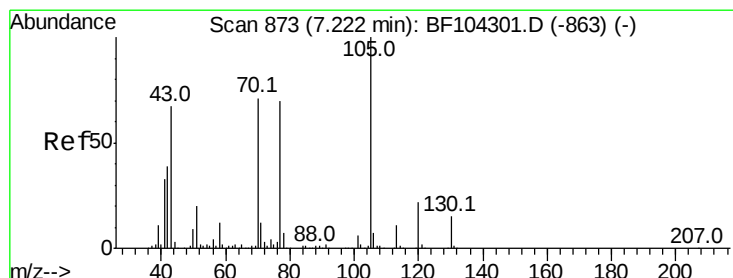
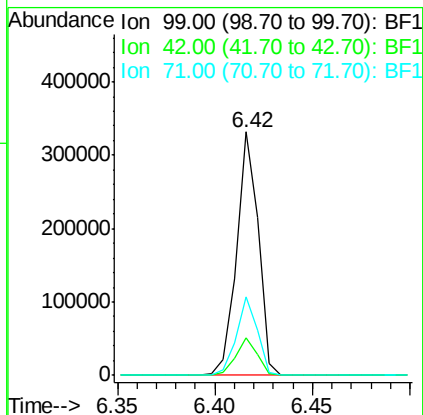
Tot Ion: 99 Resp: 254011

Ion Ratio Lower Upper

99 100

42 15.7 14.5 21.7

71 32.5 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.707 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104353.D

Acq: 7 Apr 2018 12:29

Tgt Ion: 70 Resp: 112552

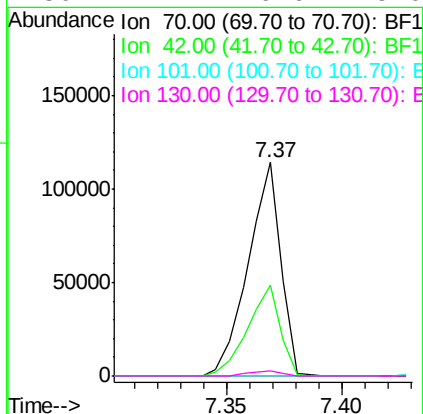
Ion Ratio Lower Upper

70 100

42 42.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

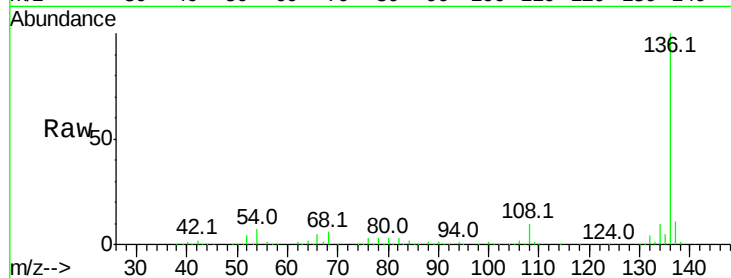




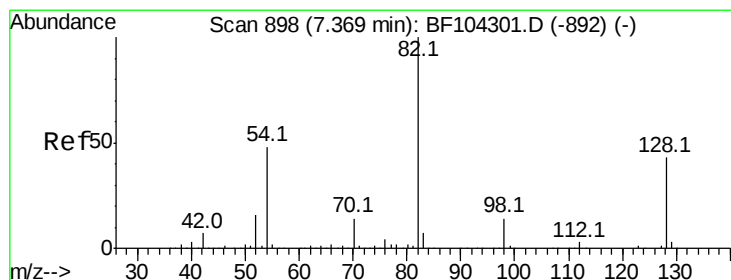
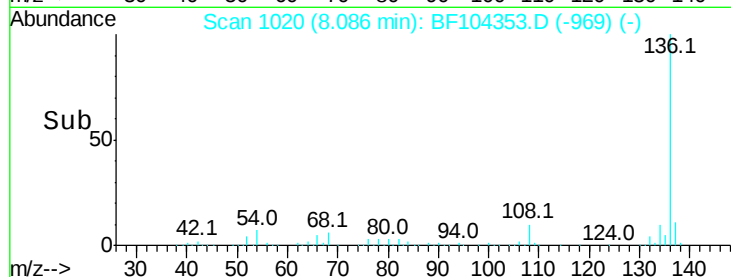
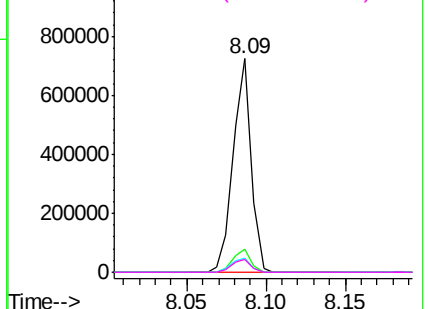
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BF104353.D
Acq: 7 Apr 2018 12:29

Instrument :
BNA_F
ClientSampleId :
040418-DBRI-E-D-M

Tot Ion:	136	Resp:	570229
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	6.8	6.6	9.8
68	5.9	5.0	7.4

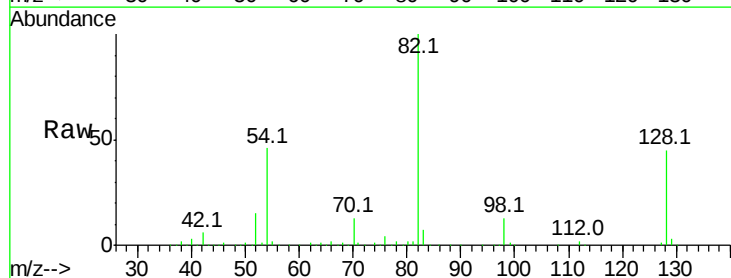


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

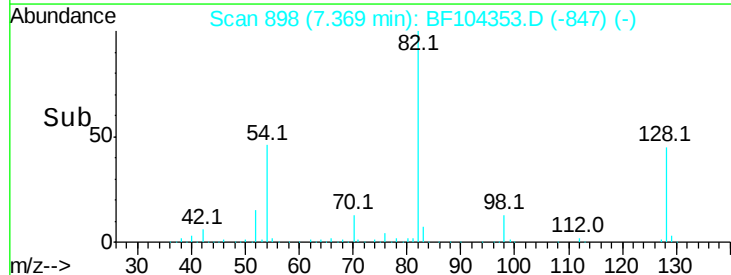
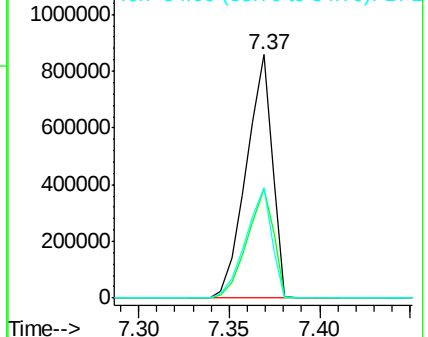


#23
Nitrobenzene-d5
Concen: 98.187 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.00 min
Lab File: BF104353.D
Acq: 7 Apr 2018 12:29

Tgt Ion:	82	Resp:	857437
Ion	Ratio	Lower	Upper
82	100		
128	44.8	36.1	54.1
54	45.6	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: 46.401 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104353.D

Acq: 7 Apr 2018 12:29

Instrument :

BNA_F

ClientSampleId :

040418-DBRI-E-D-M

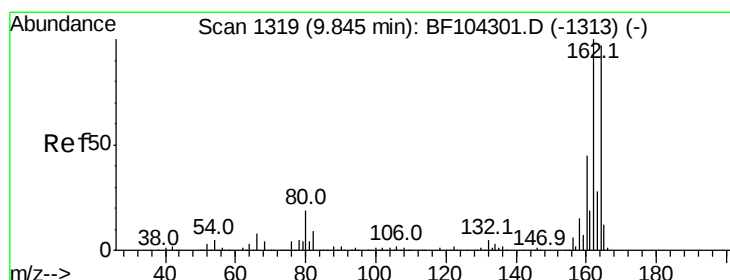
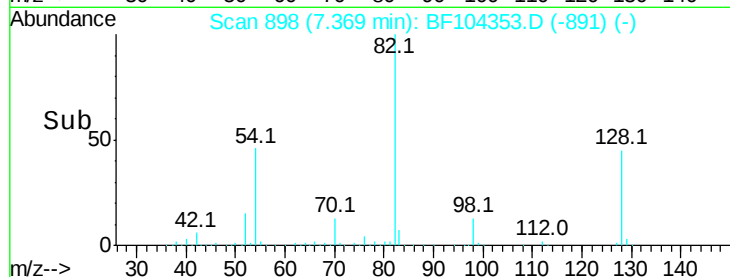
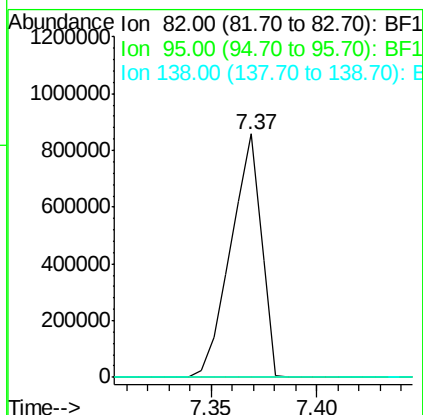
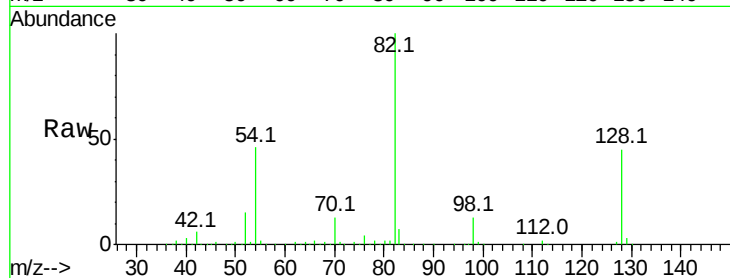
Tot Ion: 82 Resp: 856859

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: BF104353.D

Acq: 7 Apr 2018 12:29

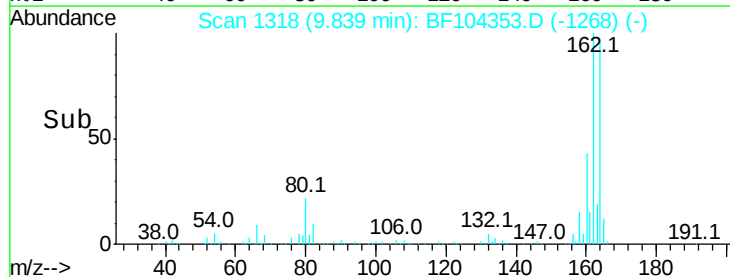
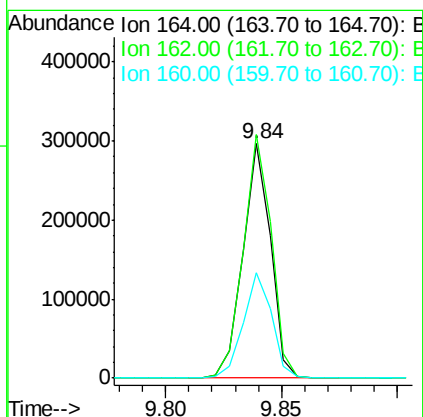
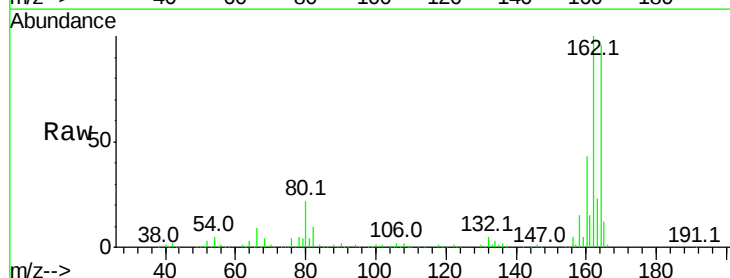
Tgt Ion:164 Resp: 247731

Ion Ratio Lower Upper

164 100

162 103.9 86.1 129.1

160 44.9 38.3 57.5

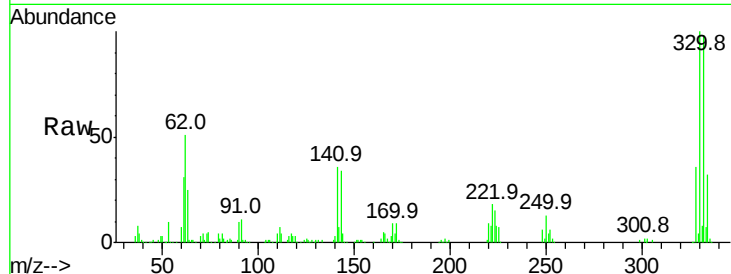




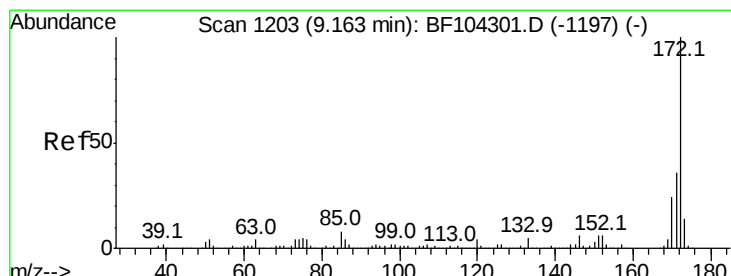
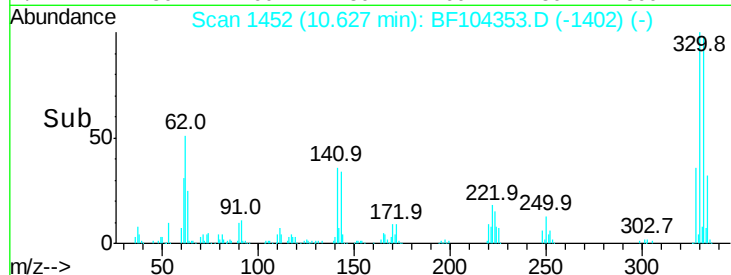
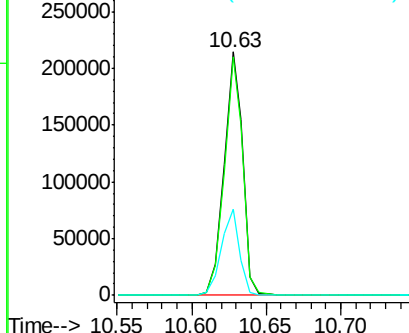
#41
 2,4,6-Tribromophenol
 Concen: 73.847 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF104353.D
 Acq: 7 Apr 2018 12:29

Instrument :
 BNA_F
 ClientSampleId :
 040418-DBRI-E-D-M

Tot Ion:330 Resp: 189771
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.0 115.6
 141 34.7 29.9 44.9

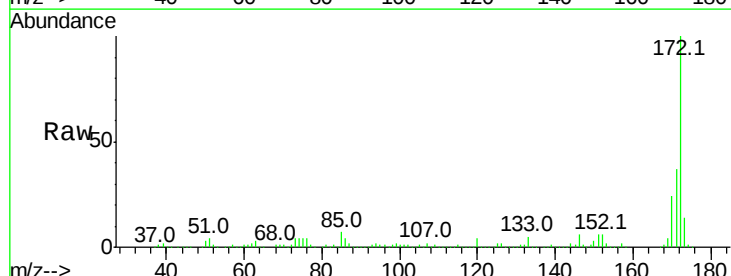


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

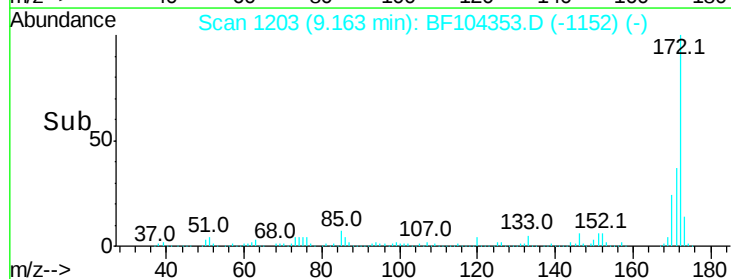
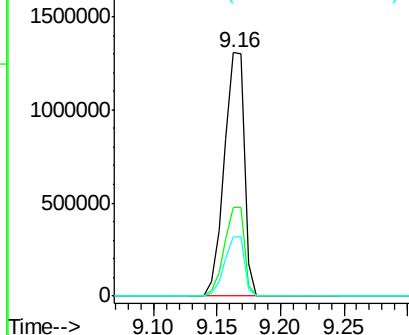


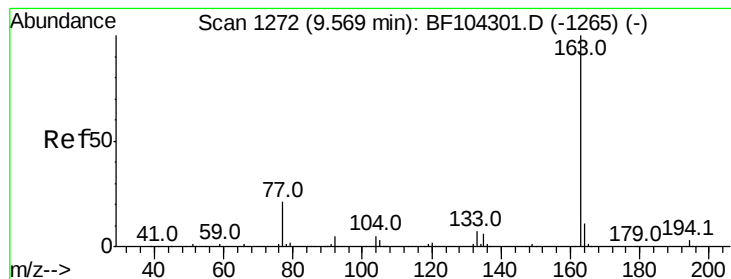
#44
 2-Fluorobiphenyl
 Concen: 91.598 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: BF104353.D
 Acq: 7 Apr 2018 12:29

Tgt Ion:172 Resp: 1436408
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.7 44.5
 170 24.4 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: 2.479 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BF104353.D

Acq: 7 Apr 2018 12:29

Instrument :

BNA_F

ClientSampleId :

040418-DBRI-E-D-M

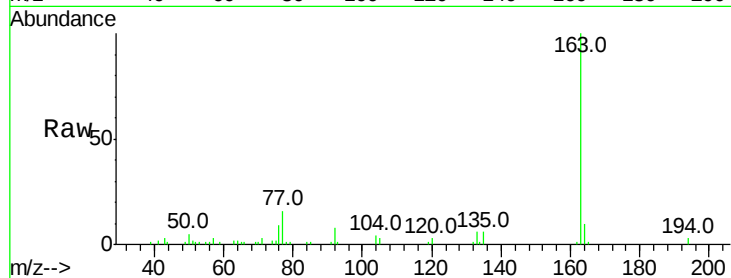
Tot Ion:163 Resp: 48430

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

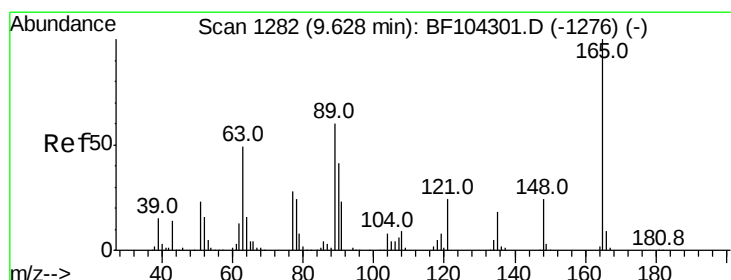
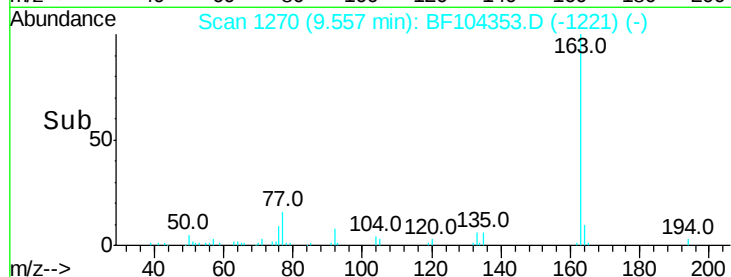
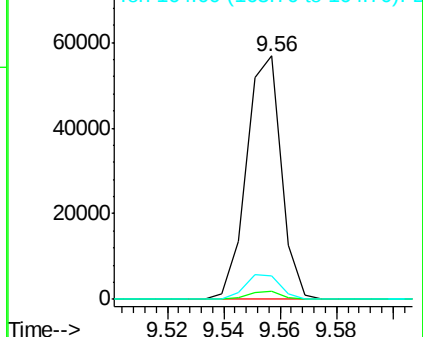
164 9.6 8.2 12.2



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: 8.805 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.21 min

Lab File: BF104353.D

Acq: 7 Apr 2018 12:29

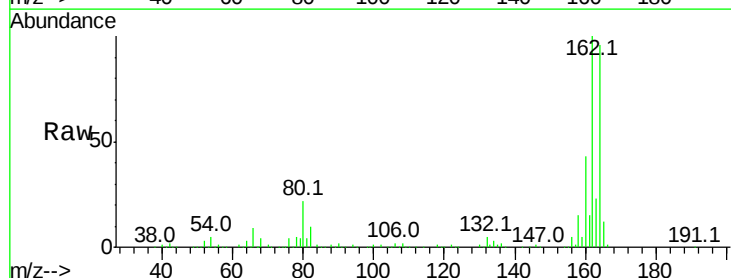
Tgt Ion:165 Resp: 31828

Ion Ratio Lower Upper

165 100

63 1.3 44.7 67.1#

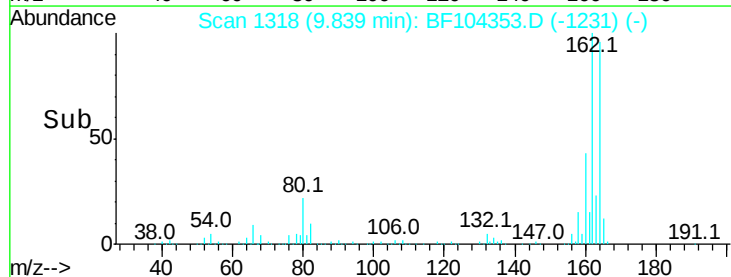
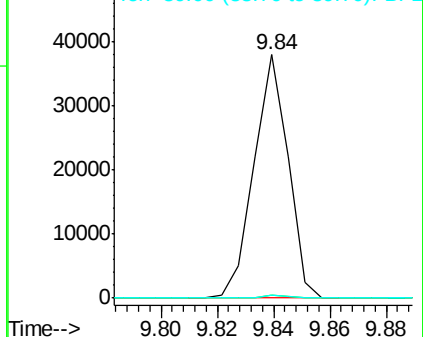
89 1.5 44.0 66.0#

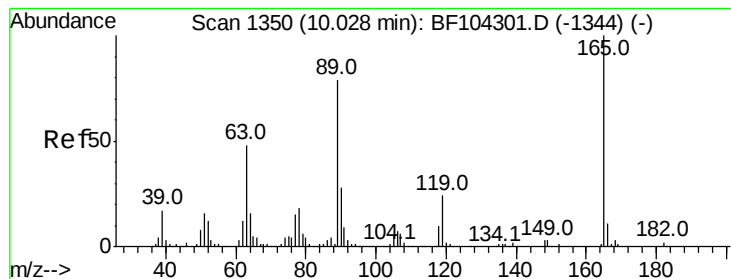


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#56

2,4-Dinitrotoluene

Concen: 6.712 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.19 min

Lab File: BF104353.D

Acq: 7 Apr 2018 12:29

Instrument :

BNA_F

ClientSampleId :

040418-DBRI-E-D-M

Tot Ion:165 Resp: 31828

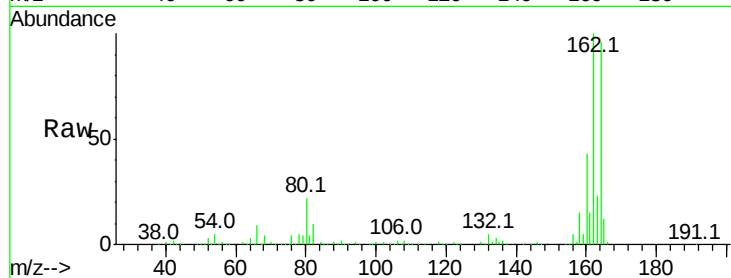
Ion Ratio Lower Upper

165 100

63 1.3 36.4 54.6#

89 1.5 57.8 86.6#

182 0.0 1.6 2.4#

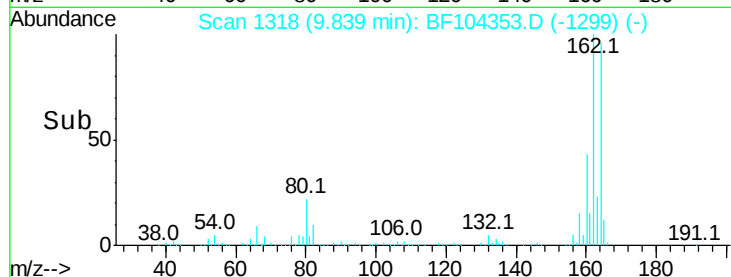


Abundance Ion 165.00 (164.70 to 165.70): E

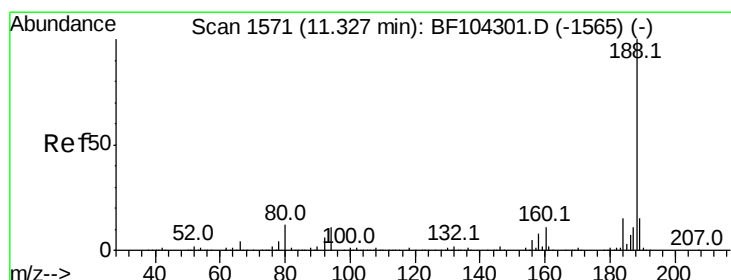
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



Time-->



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BF104353.D

Acq: 7 Apr 2018 12:29

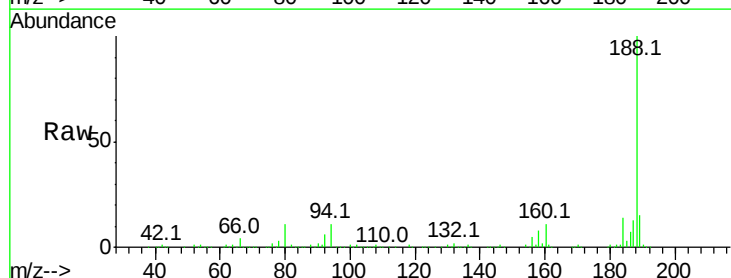
Tgt Ion:188 Resp: 361461

Ion Ratio Lower Upper

188 100

94 10.7 8.5 12.7

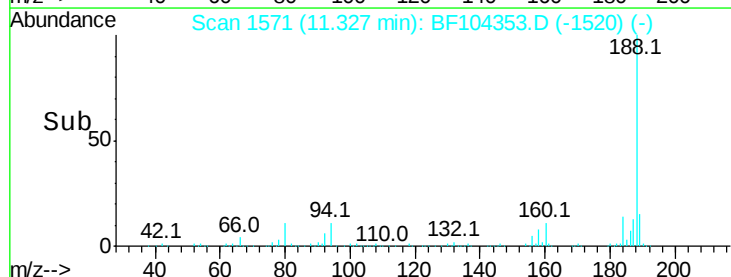
80 11.1 9.2 13.8



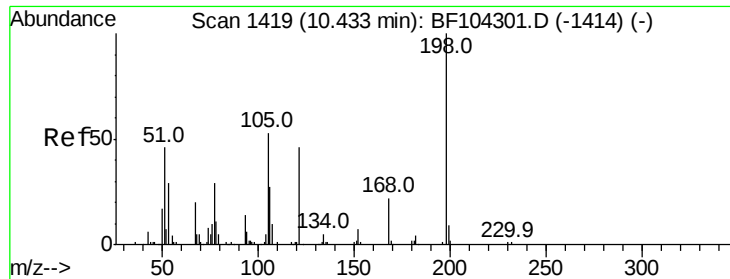
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



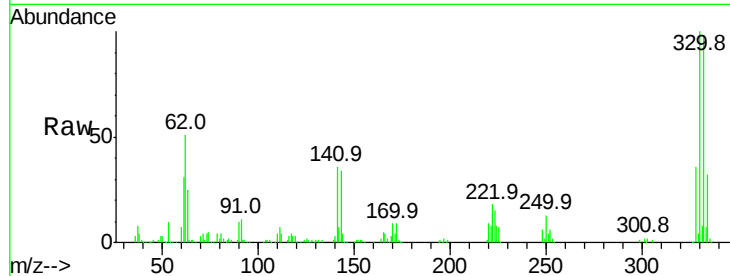
Time-->



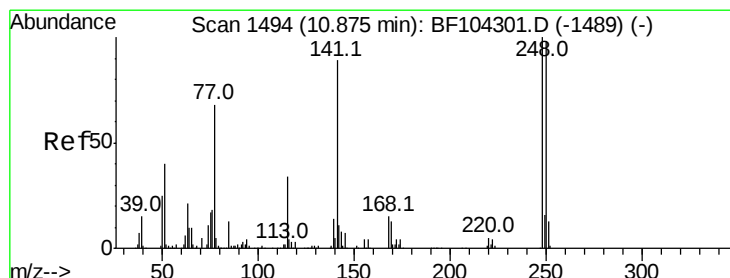
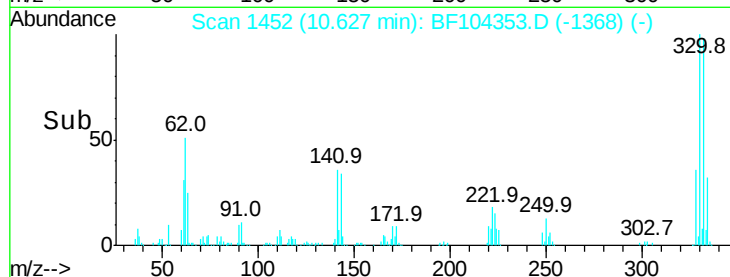
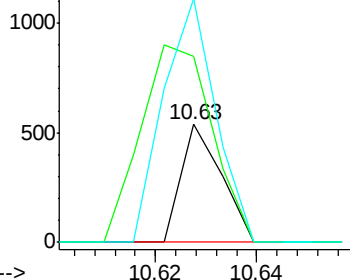
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.490 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.19 min
 Lab File: BF104353.D
 Acq: 7 Apr 2018 12:29

Instrument :
 BNA_F
 ClientSampleId :
 040418-DBRI-E-D-M

Tot Ion	Ratio	Lower	Upper
198	100		
51	158.2	37.7	77.7#
105	206.5	36.3	76.3#

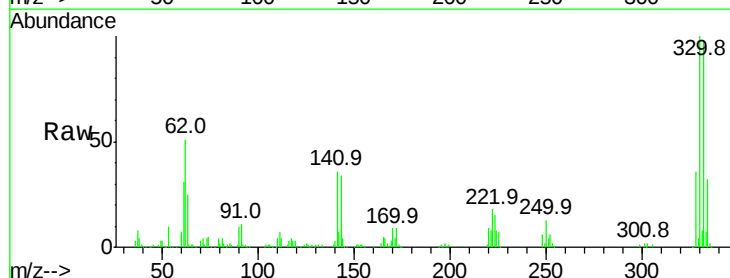


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

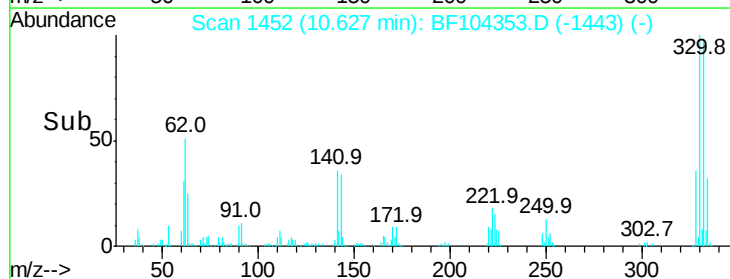
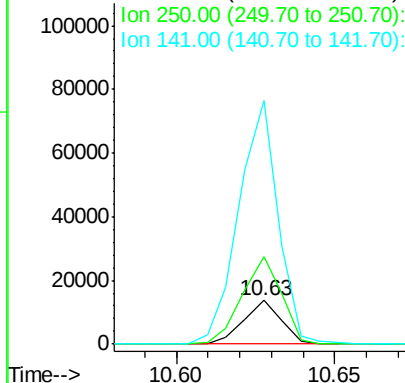


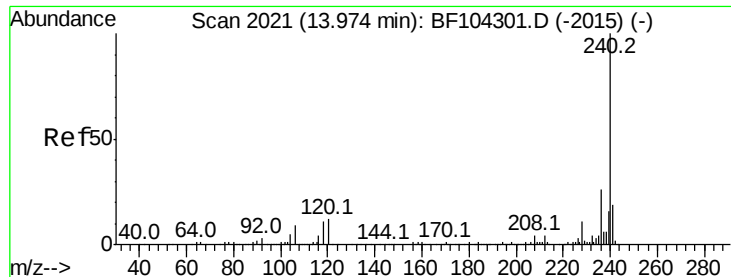
#66
 4-Bromophenyl-phenylether
 Concen: 2.921 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.25 min
 Lab File: BF104353.D
 Acq: 7 Apr 2018 12:29

Tgt Ion	Ratio	Lower	Upper
248	100		
250	201.8	76.9	115.3#
141	560.0	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# 2020

Delta R.T. -0.01 min

Lab File: BF104353.D

Acq: 7 Apr 2018 12:29

Instrument :

BNA_F

ClientSampleId :

040418-DBRI-E-D-M

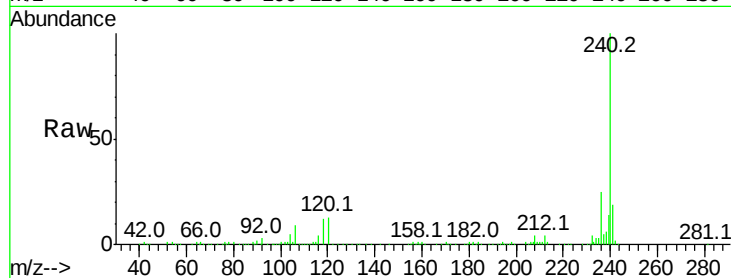
Tot Ion:240 Resp: 287841

Ion Ratio Lower Upper

240 100

120 13.1 9.5 14.3

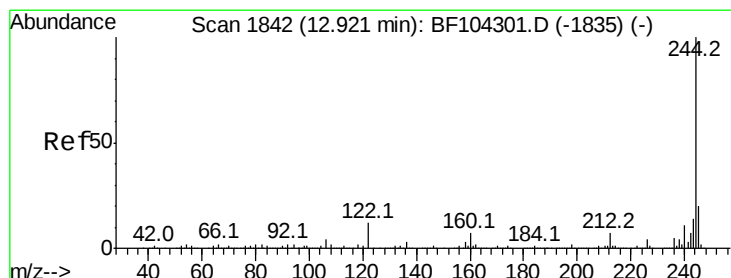
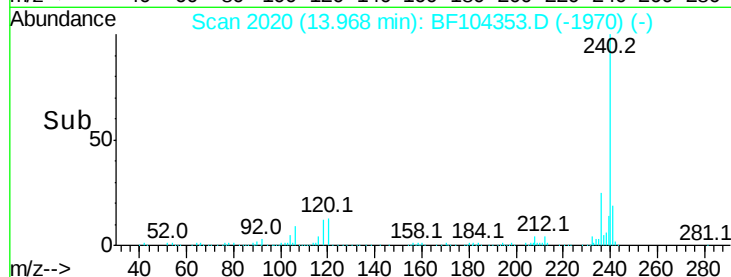
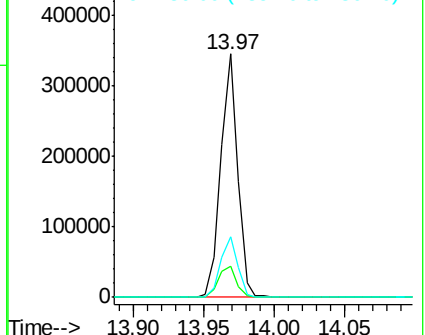
236 25.1 20.7 31.1



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: 80.756 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF104353.D

Acq: 7 Apr 2018 12:29

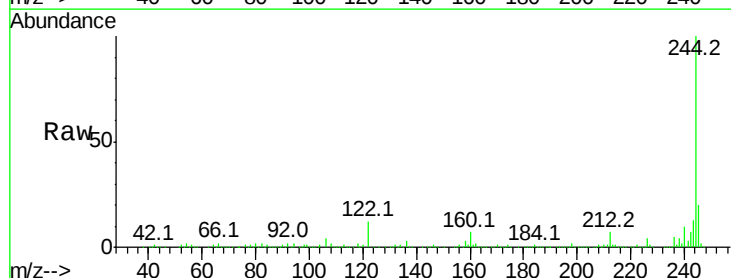
Tgt Ion:244 Resp: 1019593

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

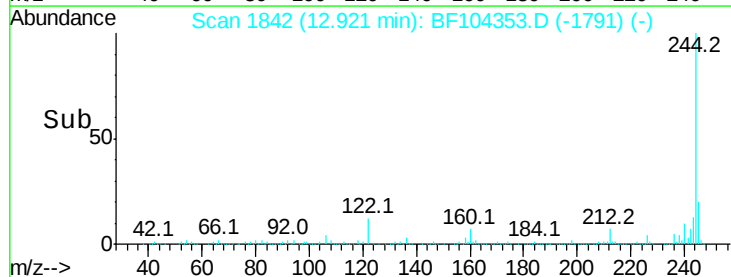
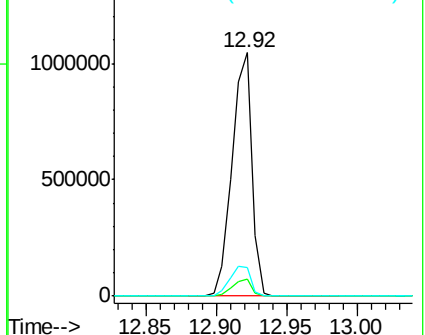
122 11.7 11.0 16.4

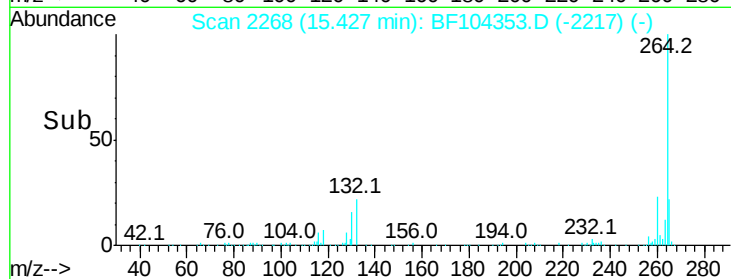
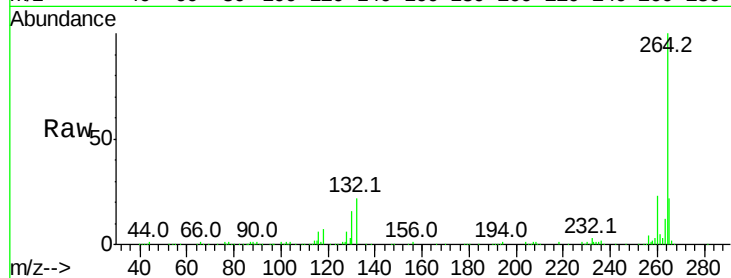
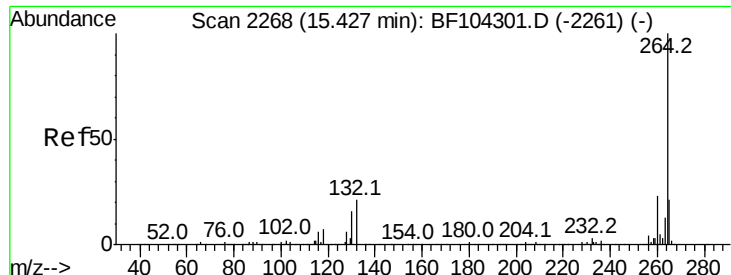


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.43 min Scan# 2268
Delta R.T. 0.00 min
Lab File: BF104353.D
Acq: 7 Apr 2018 12:29

Instrument :
BNA_F
ClientSampleId :
040418-DBRI-E-D-M

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.7	17.5	26.3

