

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG042618\
 Data File : BG034027.D
 Acq On : 27 Apr 2018 1:13
 Operator : SJ/JU
 Sample : J2571-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DFTPP

Quant Time: Apr 27 06:06:56 2018
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 19 13:56:22 2018
 Response via : Initial Calibration

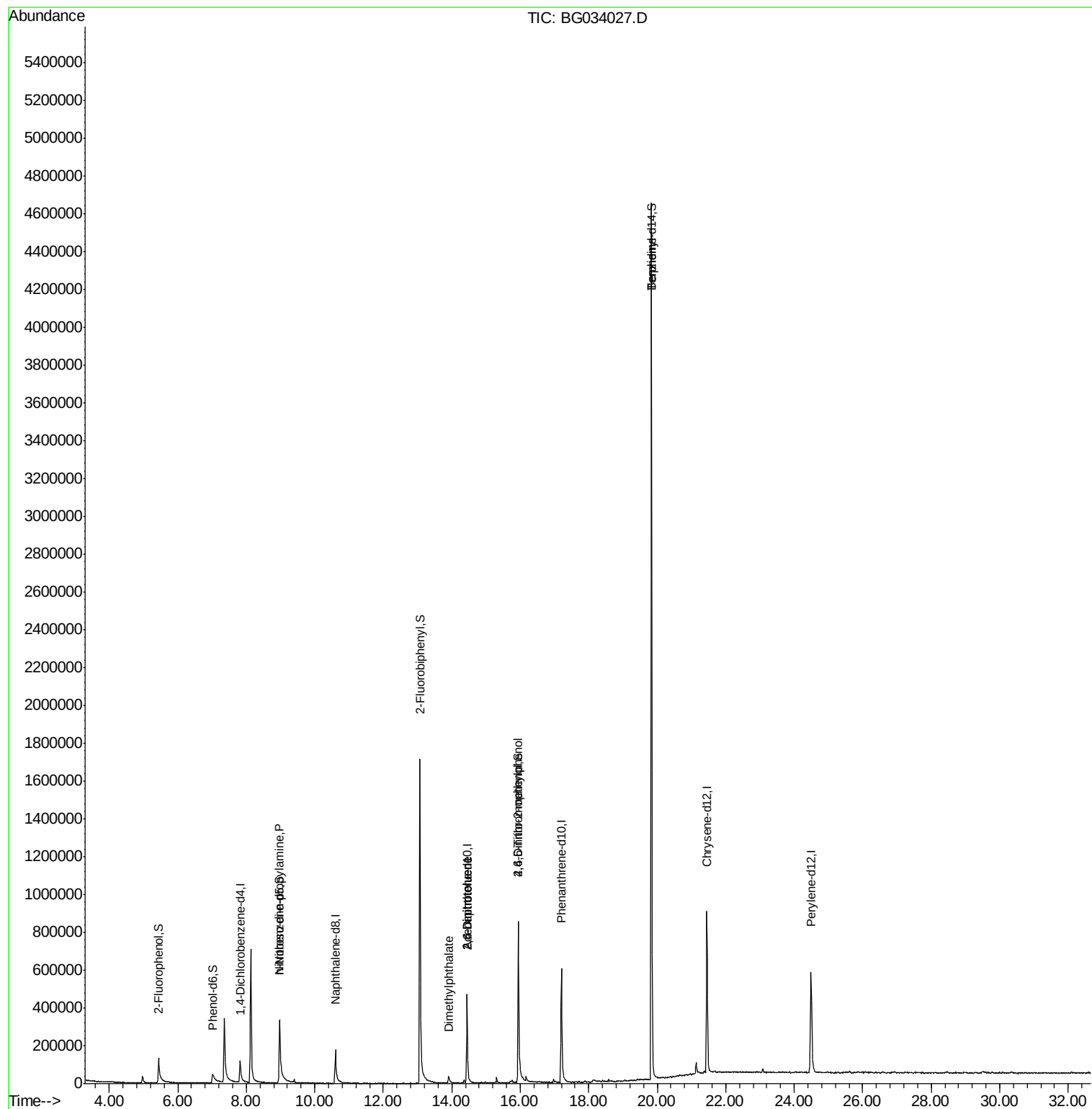
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	56516	20.00	ng	-0.02
21) Naphthalene-d8	10.60	136	263606	20.00	ng	-0.03
38) Acenaphthene-d10	14.44	164	204462	20.00	ng	-0.03
63) Phenanthrene-d10	17.20	188	570233	20.00	ng	-0.03
75) Chrysene-d12	21.45	240	616893	20.00	ng	-0.04
86) Perylene-d12	24.49	264	627490	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	112455	31.77	ng	0.00
7) Phenol-d6	7.02	99	96488	18.69	ng	0.02
23) Nitrobenzene-d5	8.97	82	398008	85.93	ng	-0.01
41) 2,4,6-Tribromophenol	15.94	330	258737	108.47	ng	-0.03
44) 2-Fluorobiphenyl	13.07	172	1301412	93.50	ng	-0.03
78) Terphenyl-d14	19.83	244	2441226	88.91	ng	-0.03
Target Compounds						
9) Benzaldehyde	7.02	77	67	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	8.97	70	50260	11.420 ng	#	5
49) Dimethylphthalate	13.91	163	42489	2.362 ng	#	78
50) 2,6-Dinitrotoluene	14.44	165	26755	7.850 ng	#	97
56) 2,4-Dinitrotoluene	14.44	165	27177	5.996 ng	#	20
64) 4,6-Dinitro-2-methylphenol	15.94	198	1906	7.089 ng	#	18
76) Benzydine	19.83	184	38068	2.285 ng	#	74
					#	89

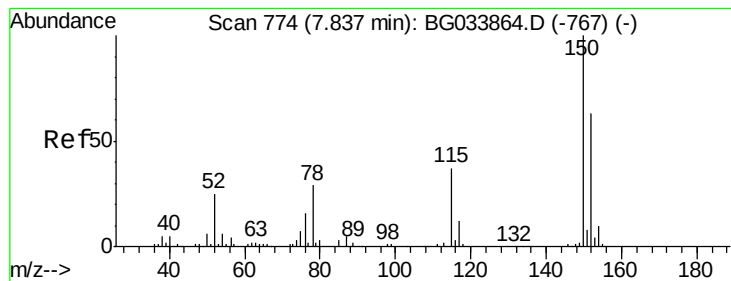
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.82 min Scan# 771

Delta R.T. -0.02 min

Lab File: BG034027.D

Acq: 27 Apr 2018 1:13

Instrument :

BNA_G

ClientSampled :

DFTPP

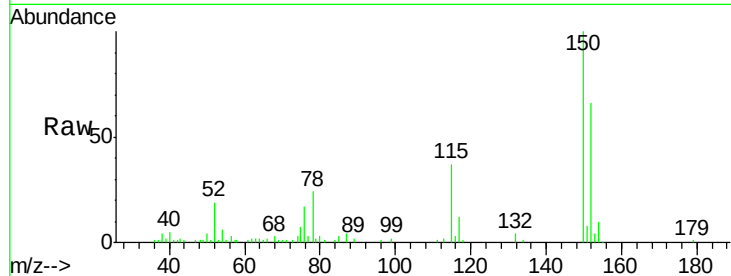
Tgt Ion:152 Resp: 56516

Ion Ratio Lower Upper

152 100

150 151.7 126.6 189.8

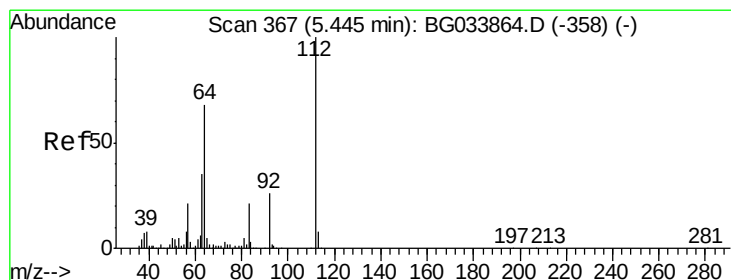
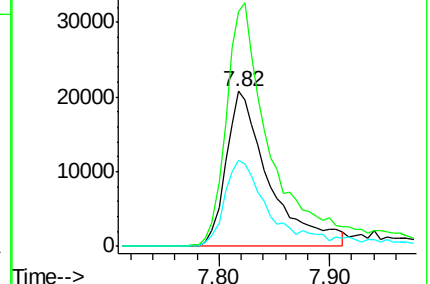
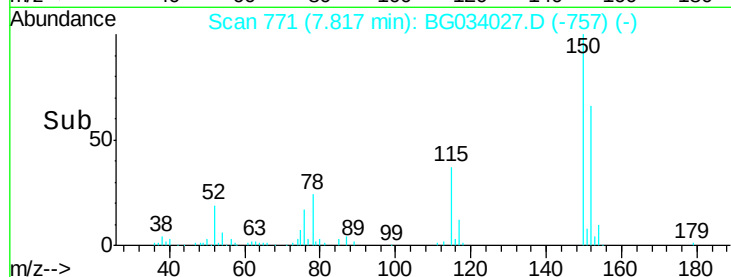
115 55.6 53.0 79.4



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: 31.768 ng

RT: 5.44 min Scan# 366

Delta R.T. -0.01 min

Lab File: BG034027.D

Acq: 27 Apr 2018 1:13

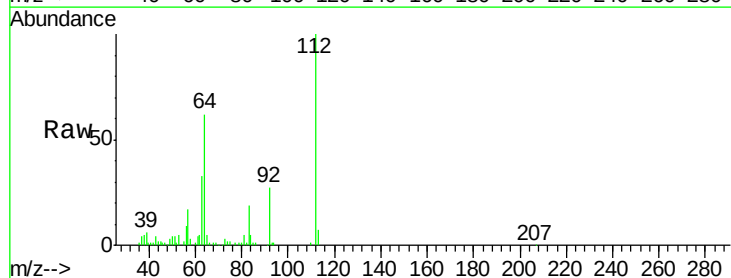
Tgt Ion:112 Resp: 112455

Ion Ratio Lower Upper

112 100

64 61.8 56.3 84.5

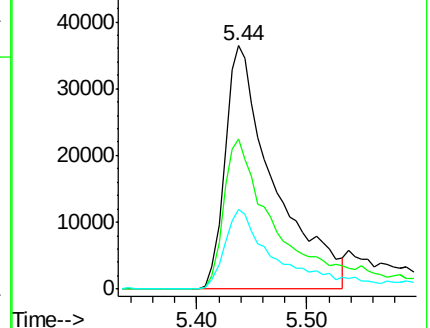
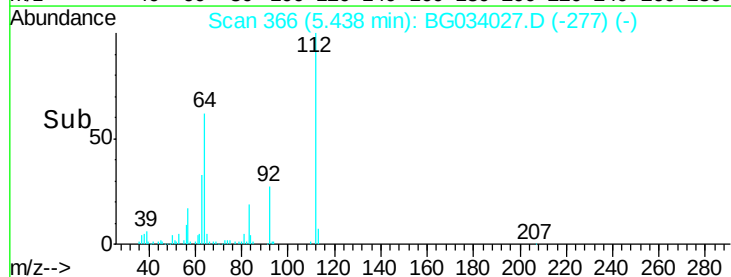
63 32.9 30.1 45.1

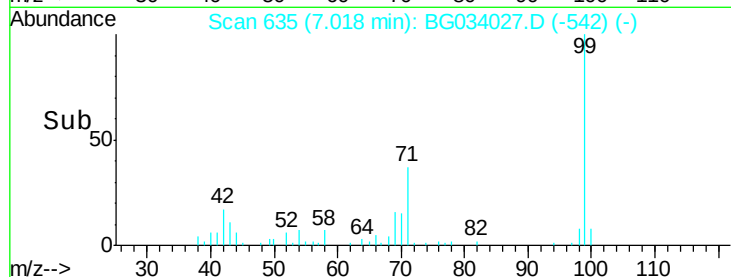
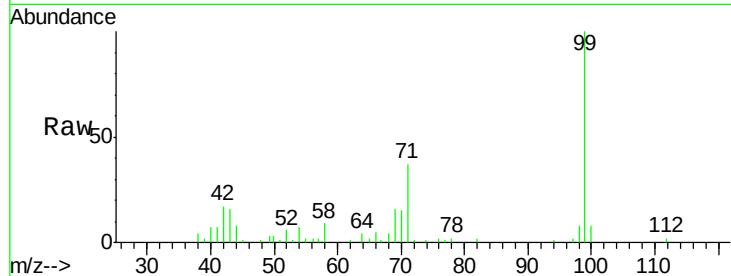
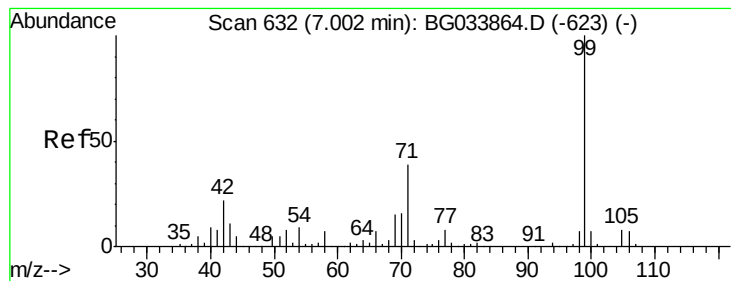


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 18.688 ng

RT: 7.02 min Scan# 635

Delta R.T. 0.02 min

Lab File: BG034027.D

Acq: 27 Apr 2018 1:13

Instrument :

BNA_G

ClientSampleId :

DFTPP

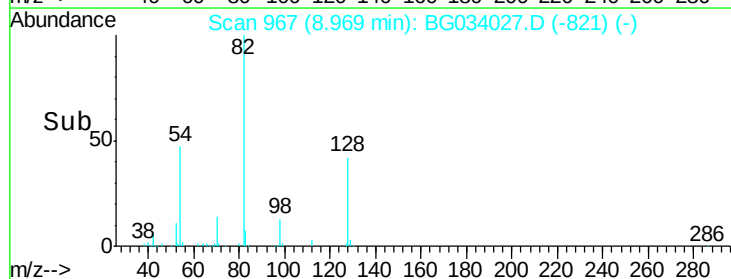
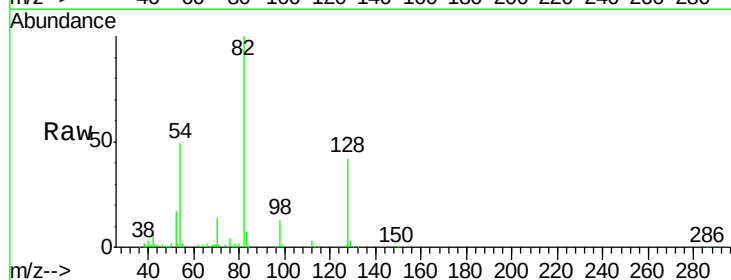
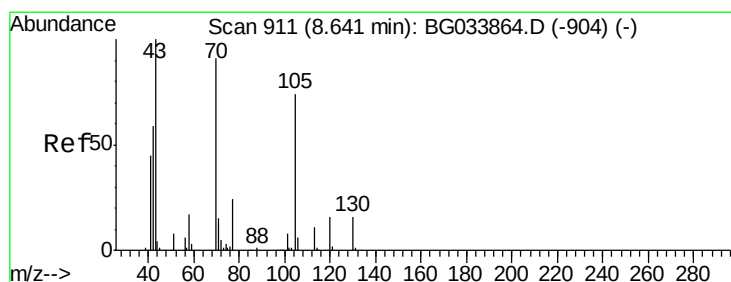
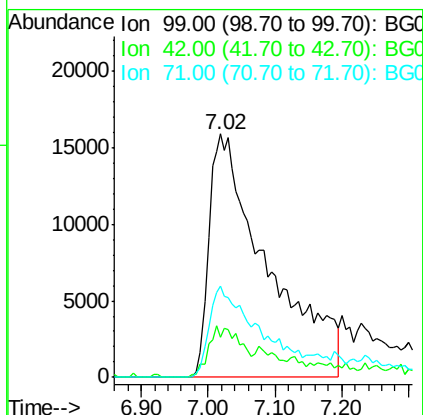
Tgt Ion: 99 Resp: 96488

Ion Ratio Lower Upper

99 100

42 16.7 14.1 21.1

71 37.3 26.1 39.1



#19

n-Nitroso-di-n-propylamine

Concen: 11.420 ng

RT: 8.97 min Scan# 967

Delta R.T. 0.33 min

Lab File: BG034027.D

Acq: 27 Apr 2018 1:13

Tgt Ion: 70 Resp: 50260

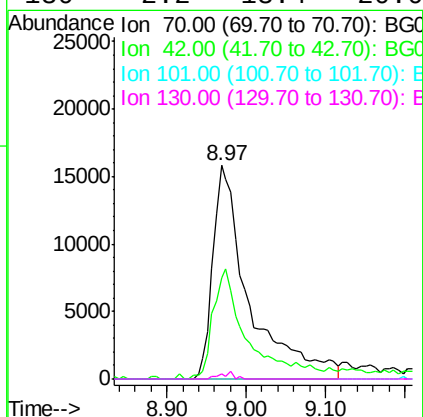
Ion Ratio Lower Upper

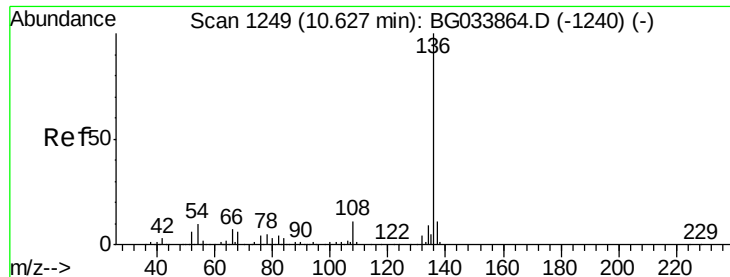
70 100

42 47.5 49.1 73.7#

101 0.0 8.5 12.7#

130 2.2 13.4 20.0#

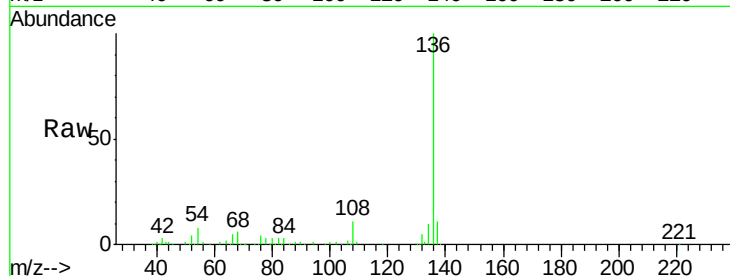




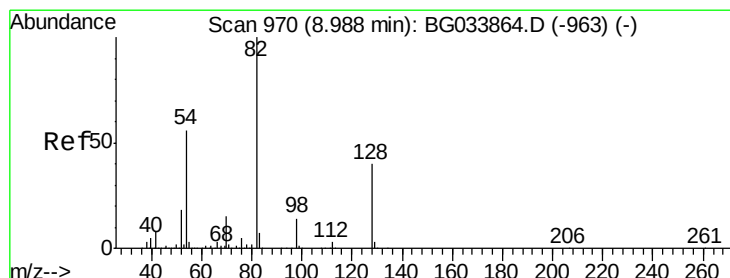
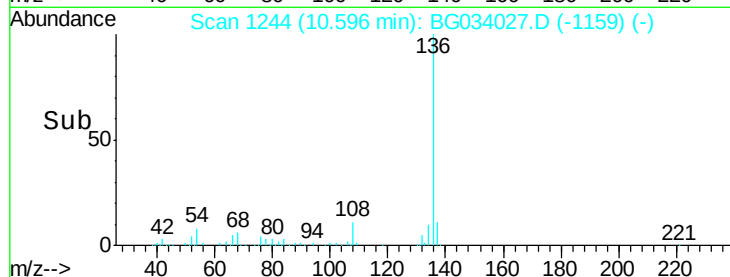
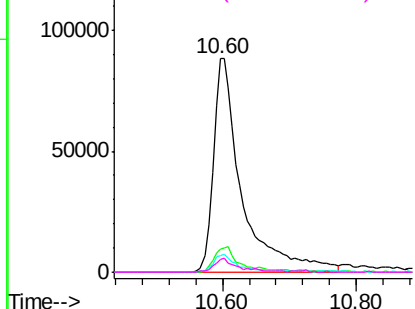
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.60 min Scan# 1244
Delta R.T. -0.03 min
Lab File: BG034027.D
Acq: 27 Apr 2018 1:13

Instrument :
BNA_G
ClientSampleId :
DFTPP

Tgt Ion: 136 Resp: 263606
Ion Ratio Lower Upper
136 100
137 11.1 9.2 13.8
54 7.9 10.3 15.5#
68 6.3 4.5 6.7

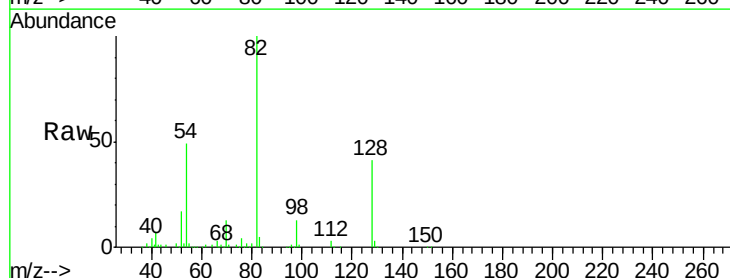


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

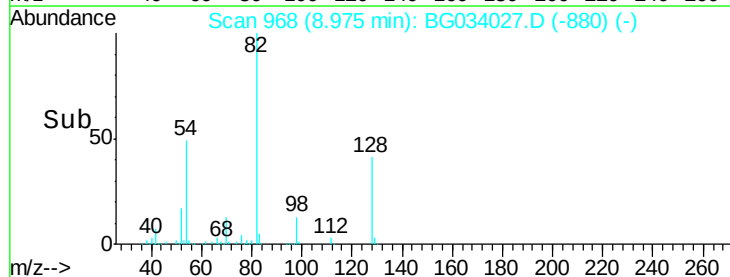
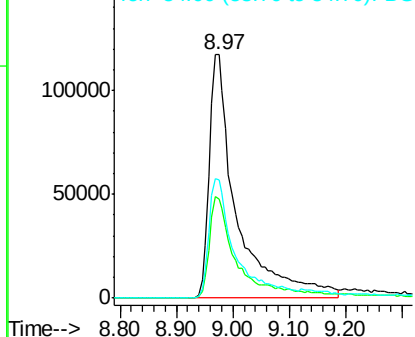


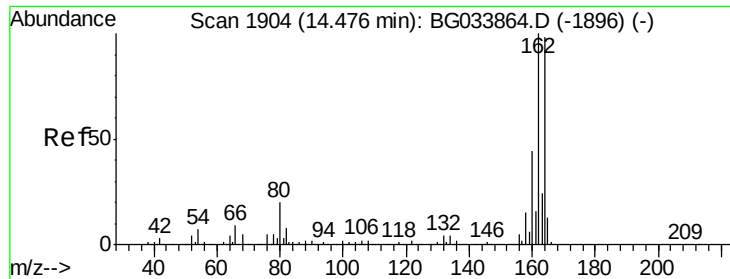
#23
Nitrobenzene-d5
Concen: 85.926 ng
RT: 8.97 min Scan# 968
Delta R.T. -0.01 min
Lab File: BG034027.D
Acq: 27 Apr 2018 1:13

Tgt Ion: 82 Resp: 398008
Ion Ratio Lower Upper
82 100
128 40.7 29.7 44.5
54 48.8 43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.44 min Scan# 1899

Delta R.T. -0.03 min

Lab File: BG034027.D

Acq: 27 Apr 2018 1:13

Instrument :

BNA_G

ClientSampleId :

DFTPP

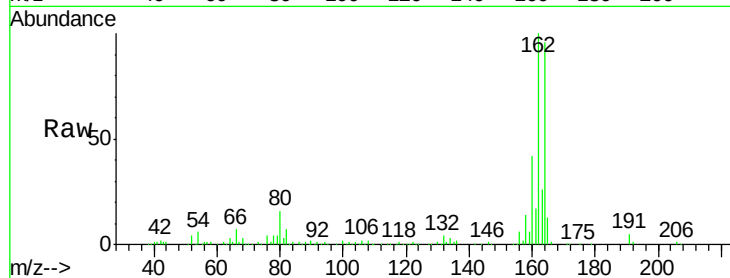
Tgt Ion:164 Resp: 204462

Ion Ratio Lower Upper

164 100

162 104.3 78.8 118.2

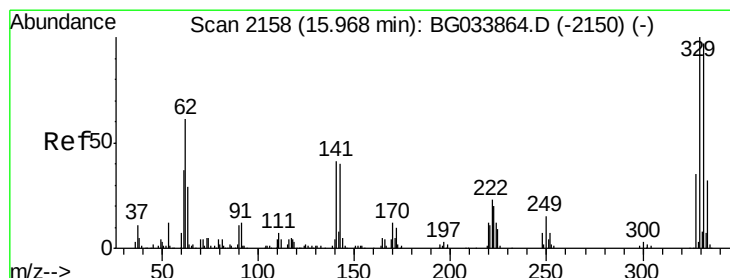
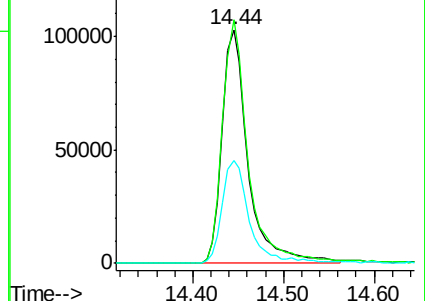
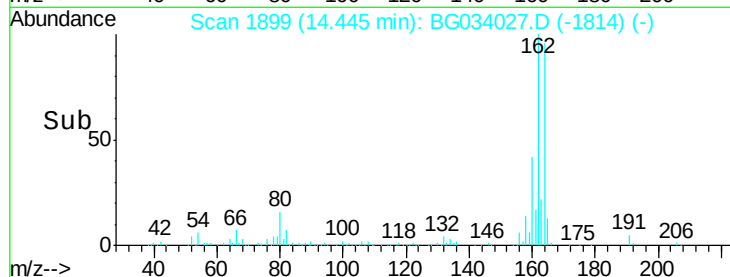
160 44.1 35.4 53.0



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: 108.468 ng

RT: 15.94 min Scan# 2154

Delta R.T. -0.03 min

Lab File: BG034027.D

Acq: 27 Apr 2018 1:13

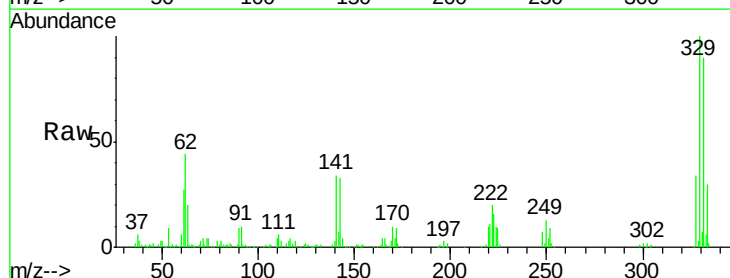
Tgt Ion:330 Resp: 258737

Ion Ratio Lower Upper

330 100

332 93.8 77.0 115.6

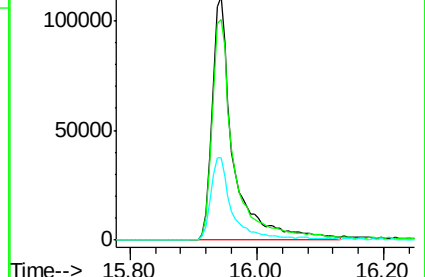
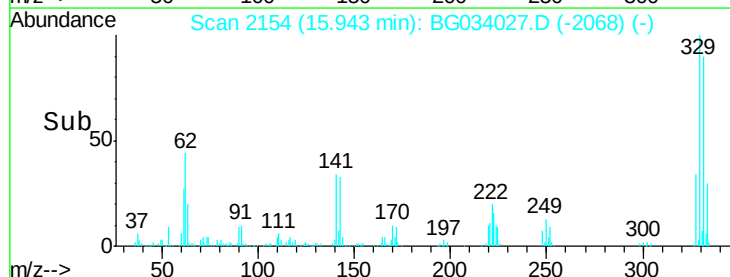
141 34.1 25.2 37.8

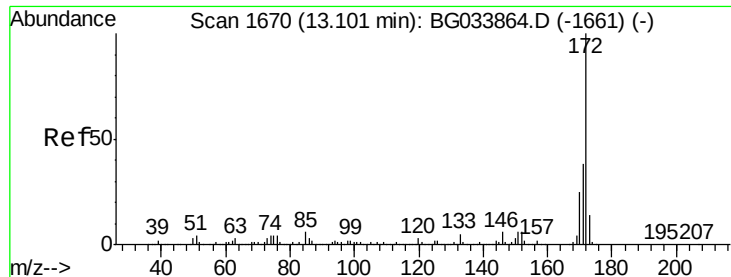


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

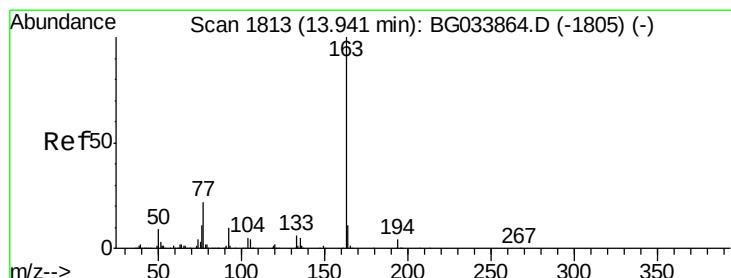
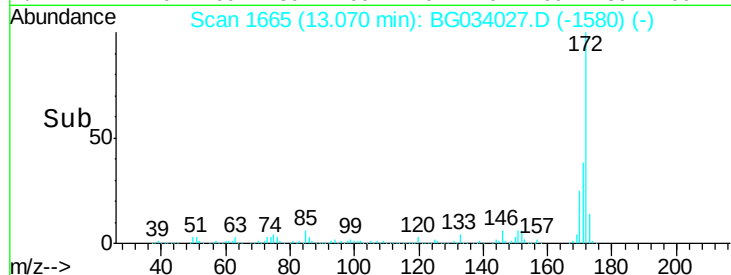
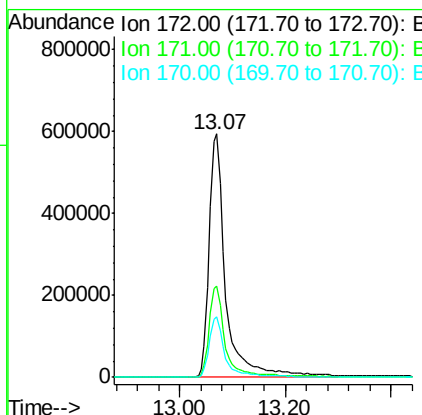
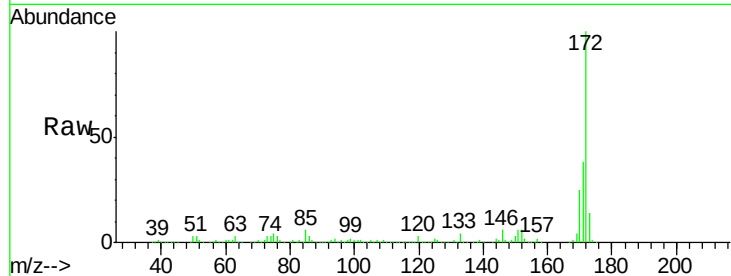




#44
2-Fluorobiphenyl
Concen: 93.504 ng
RT: 13.07 min Scan# 1665
Delta R.T. -0.03 min
Lab File: BG034027.D
Acq: 27 Apr 2018 1:13

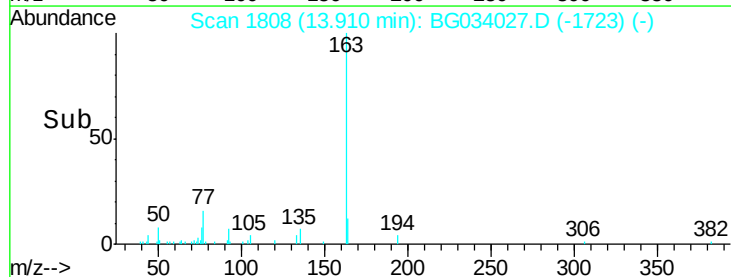
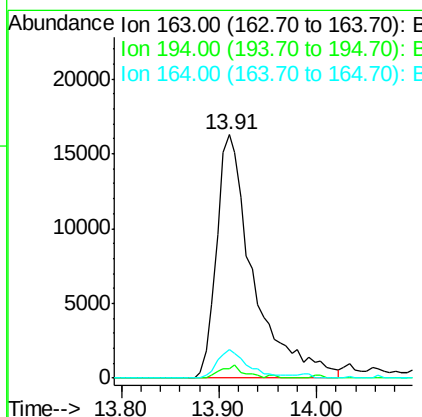
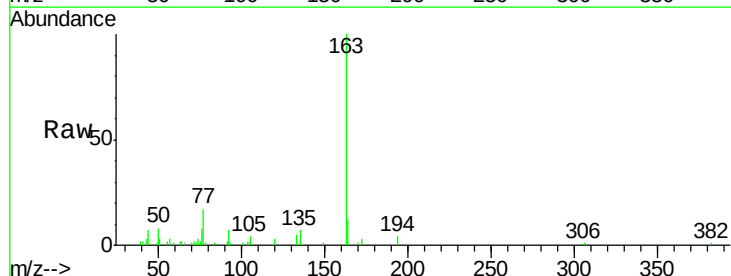
Instrument :
BNA_G
ClientSampleId :
DFTPP

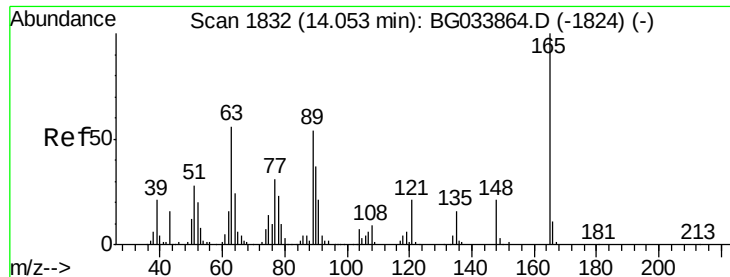
Tgt Ion:172 Resp: 1301412
Ion Ratio Lower Upper
172 100
171 37.6 30.0 45.0
170 25.1 19.5 29.3



#49
Dimethylphthalate
Concen: 2.362 ng
RT: 13.91 min Scan# 1808
Delta R.T. -0.03 min
Lab File: BG034027.D
Acq: 27 Apr 2018 1:13

Tgt Ion:163 Resp: 42489
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.2
164 11.7 8.2 12.4





#50

2,6-Dinitrotoluene

Concen: 7.850 ng

RT: 14.44 min Scan# 1899

Delta R.T. 0.39 min

Lab File: BG034027.D

Acq: 27 Apr 2018 1:13

Instrument :

BNA_G

ClientSampleId :

DFTPP

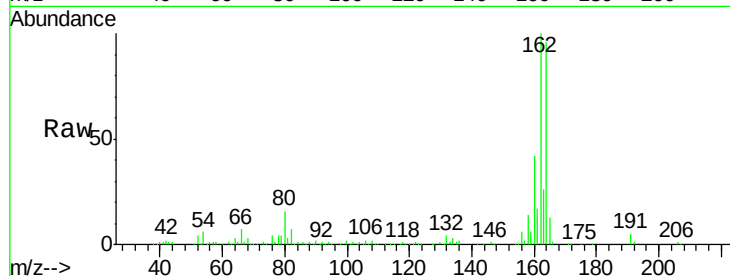
Tgt Ion:165 Resp: 26755

Ion Ratio Lower Upper

165 100

63 1.5 52.7 79.1#

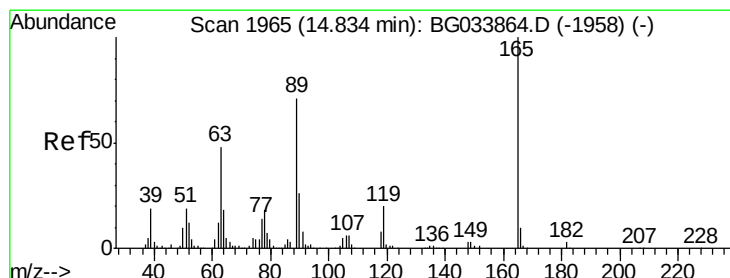
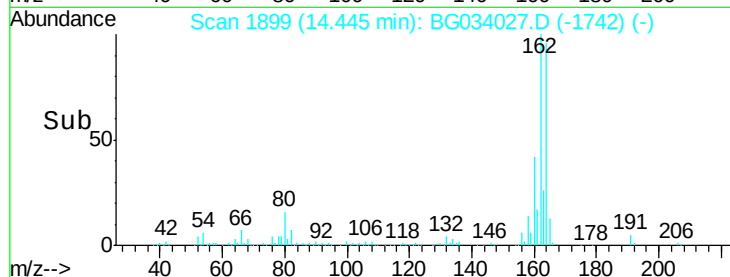
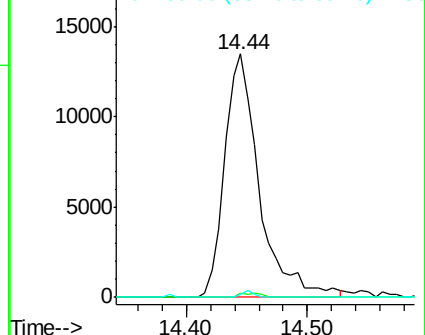
89 1.3 49.2 73.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#56

2,4-Dinitrotoluene

Concen: 5.996 ng

RT: 14.44 min Scan# 1899

Delta R.T. -0.39 min

Lab File: BG034027.D

Acq: 27 Apr 2018 1:13

Tgt Ion:165 Resp: 27177

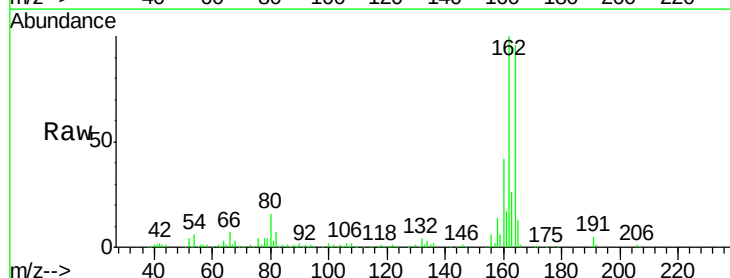
Ion Ratio Lower Upper

165 100

63 1.5 42.0 63.0#

89 1.3 66.9 100.3#

182 0.0 2.6 3.8#

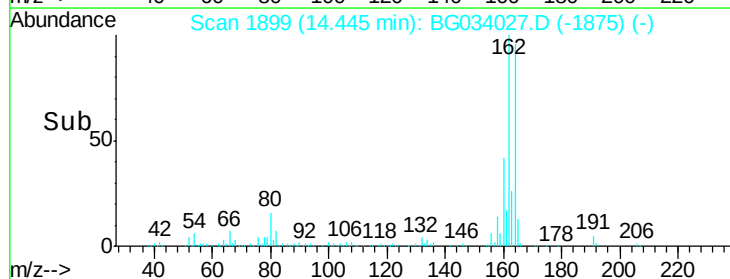
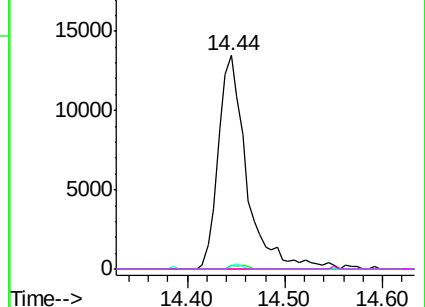


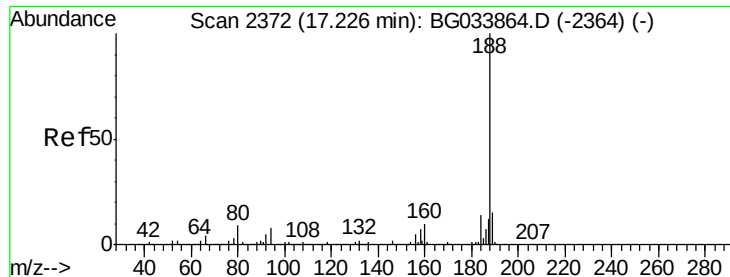
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.20 min Scan# 2368

Delta R.T. -0.03 min

Lab File: BG034027.D

Acq: 27 Apr 2018 1:13

Instrument :

BNA_G

ClientSampleId :

DFTPP

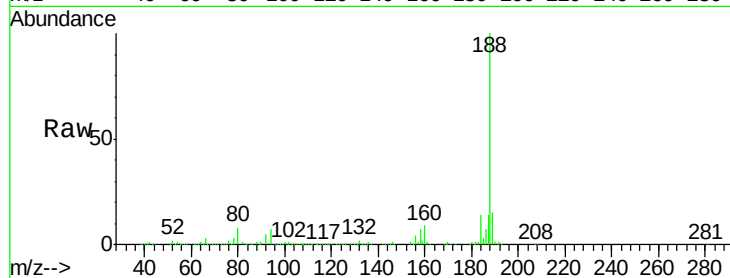
Tgt Ion:188 Resp: 570233

Ion Ratio Lower Upper

188 100

94 6.9 6.9 10.3#

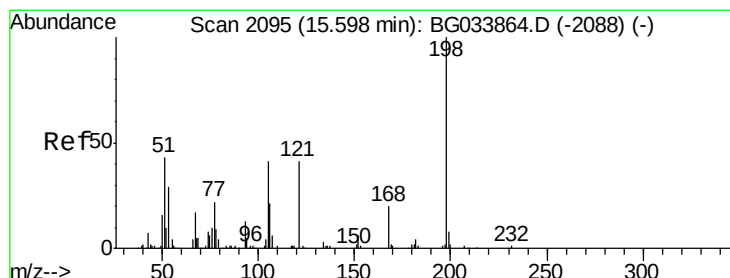
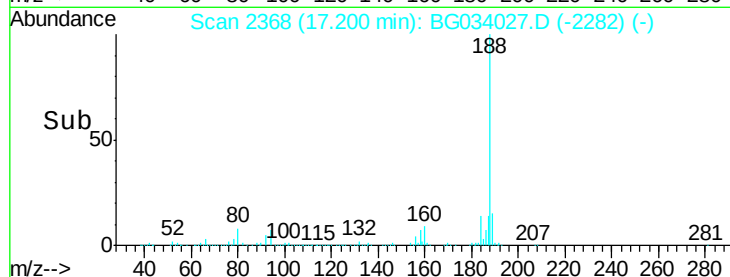
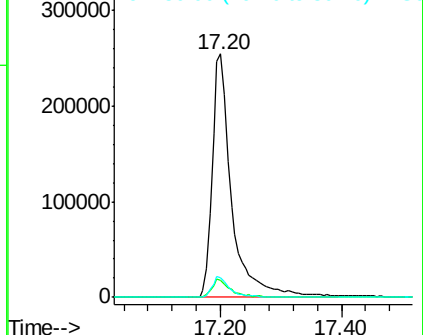
80 8.1 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#64

4,6-Dinitro-2-methylphenol

Concen: 7.089 ng

RT: 15.94 min Scan# 2153

Delta R.T. 0.34 min

Lab File: BG034027.D

Acq: 27 Apr 2018 1:13

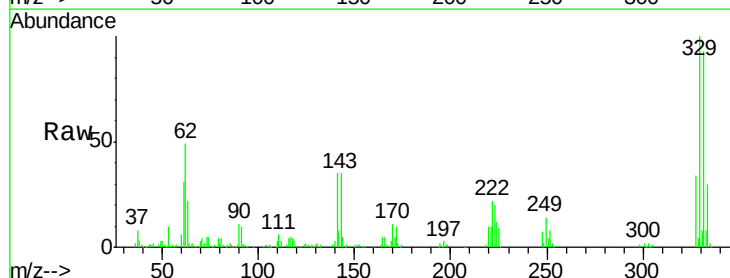
Tgt Ion:198 Resp: 1906

Ion Ratio Lower Upper

198 100

51 33.5 30.6 70.6

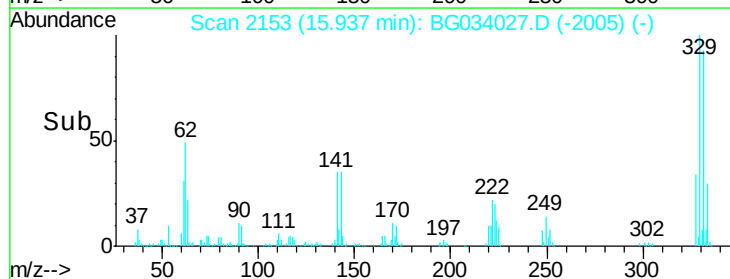
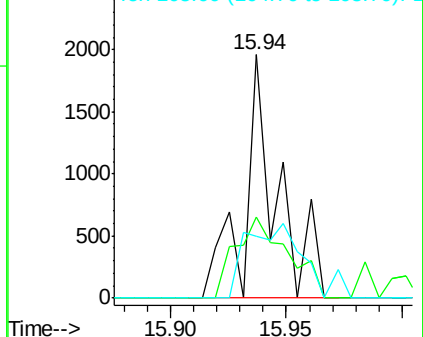
105 25.4 23.8 63.8

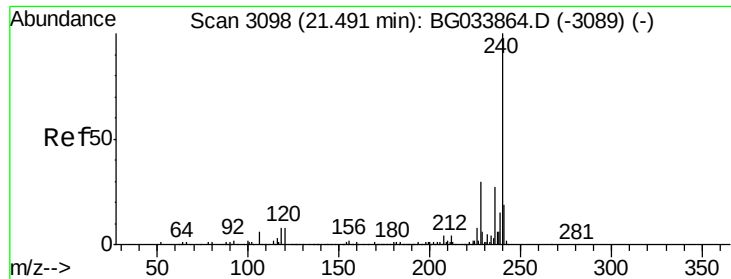


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.45 min Scan# 3091

Delta R.T. -0.04 min

Lab File: BG034027.D

Acq: 27 Apr 2018 1:13

Instrument :

BNA_G

ClientSampleId :

DFTPP

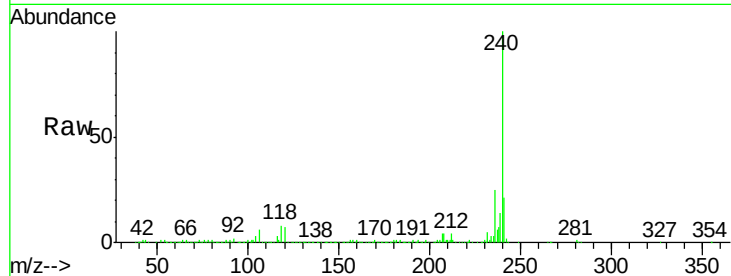
Tgt Ion:240 Resp: 616893

Ion Ratio Lower Upper

240 100

120 7.2 6.8 10.2

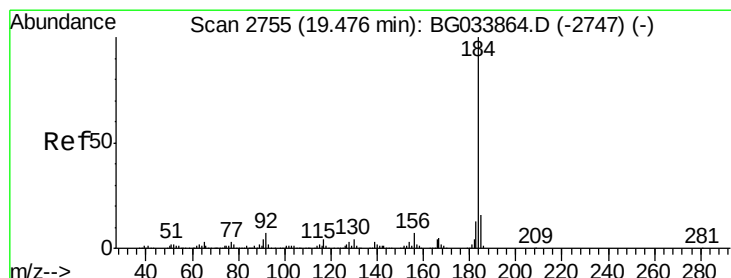
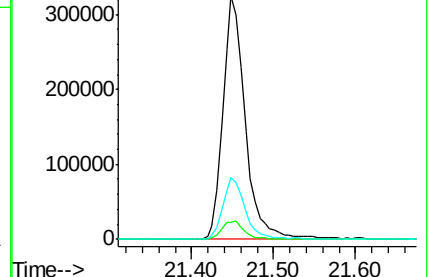
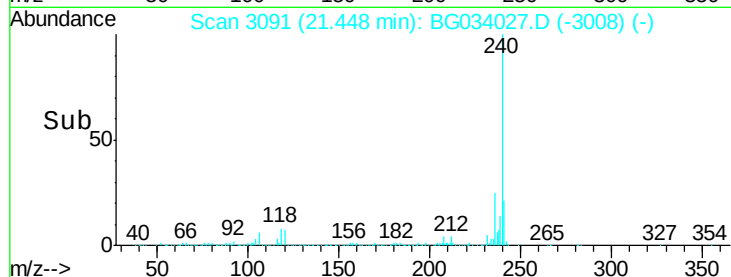
236 25.4 20.9 31.3



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



#76

Benzidine

Concen: 2.285 ng

RT: 19.83 min Scan# 2816

Delta R.T. 0.36 min

Lab File: BG034027.D

Acq: 27 Apr 2018 1:13

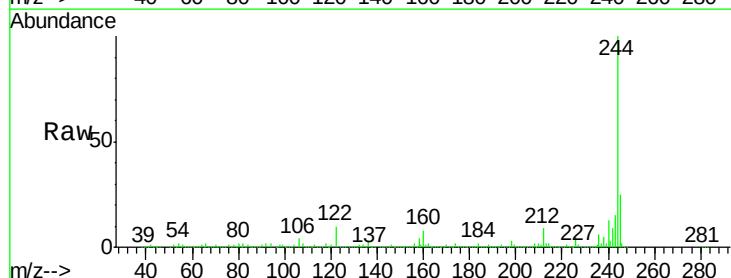
Tgt Ion:184 Resp: 38068

Ion Ratio Lower Upper

184 100

185 17.2 11.1 16.7#

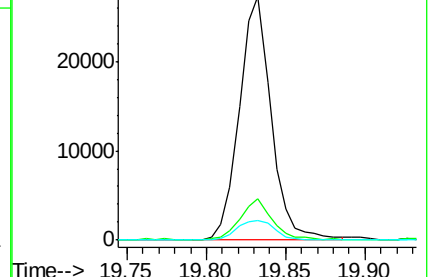
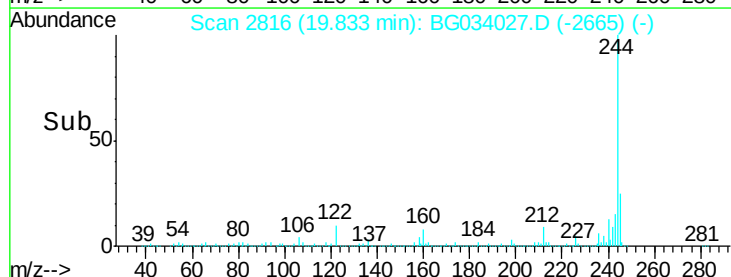
183 7.8 10.6 16.0#

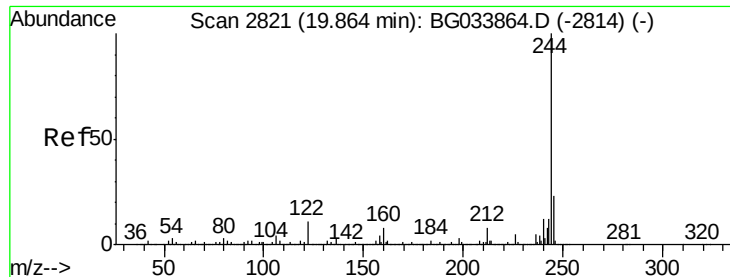


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 88.905 ng

RT: 19.83 min Scan# 2816

Delta R.T. -0.03 min

Lab File: BG034027.D

Acq: 27 Apr 2018 1:13

Instrument :

BNA_G

ClientSampleId :

DFTPP

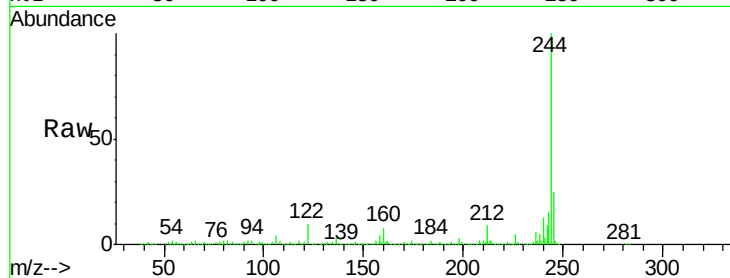
Tgt Ion:244 Resp: 2441226

Ion Ratio Lower Upper

244 100

212 8.9 5.8 8.8#

122 10.0 7.0 10.4



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

19.83

1500000

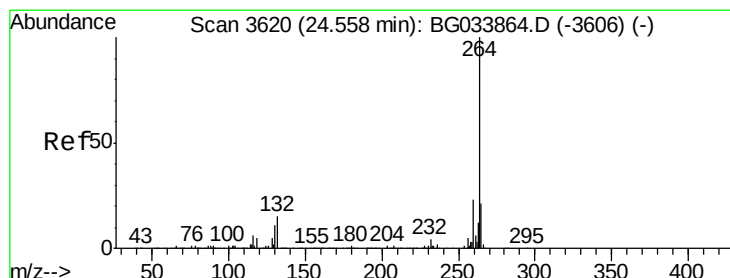
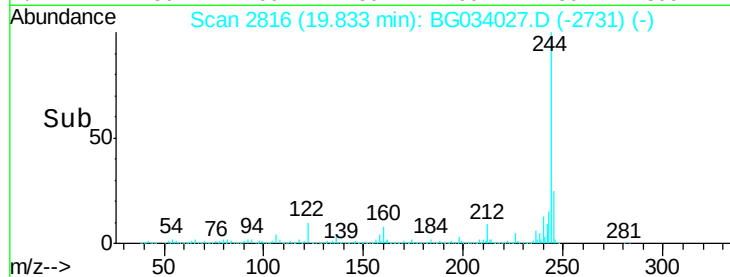
1000000

500000

0

19.80 20.00

Time-->



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.49 min Scan# 3609

Delta R.T. -0.07 min

Lab File: BG034027.D

Acq: 27 Apr 2018 1:13

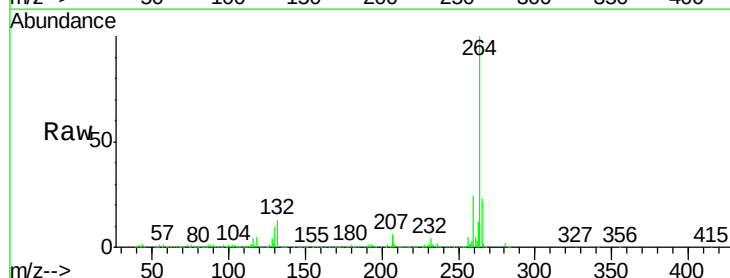
Tgt Ion:264 Resp: 627490

Ion Ratio Lower Upper

264 100

260 23.5 17.4 26.0

265 22.6 17.7 26.5



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

24.49

250000

200000

150000

100000

50000

0

24.40 24.60

Time-->

