

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG042618\
 Data File : BG034018.D
 Acq On : 26 Apr 2018 19:30
 Operator : SJ/JU
 Sample : J2531-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 042318-DBRI-E-D-S

Quant Time: Apr 27 01:35:23 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

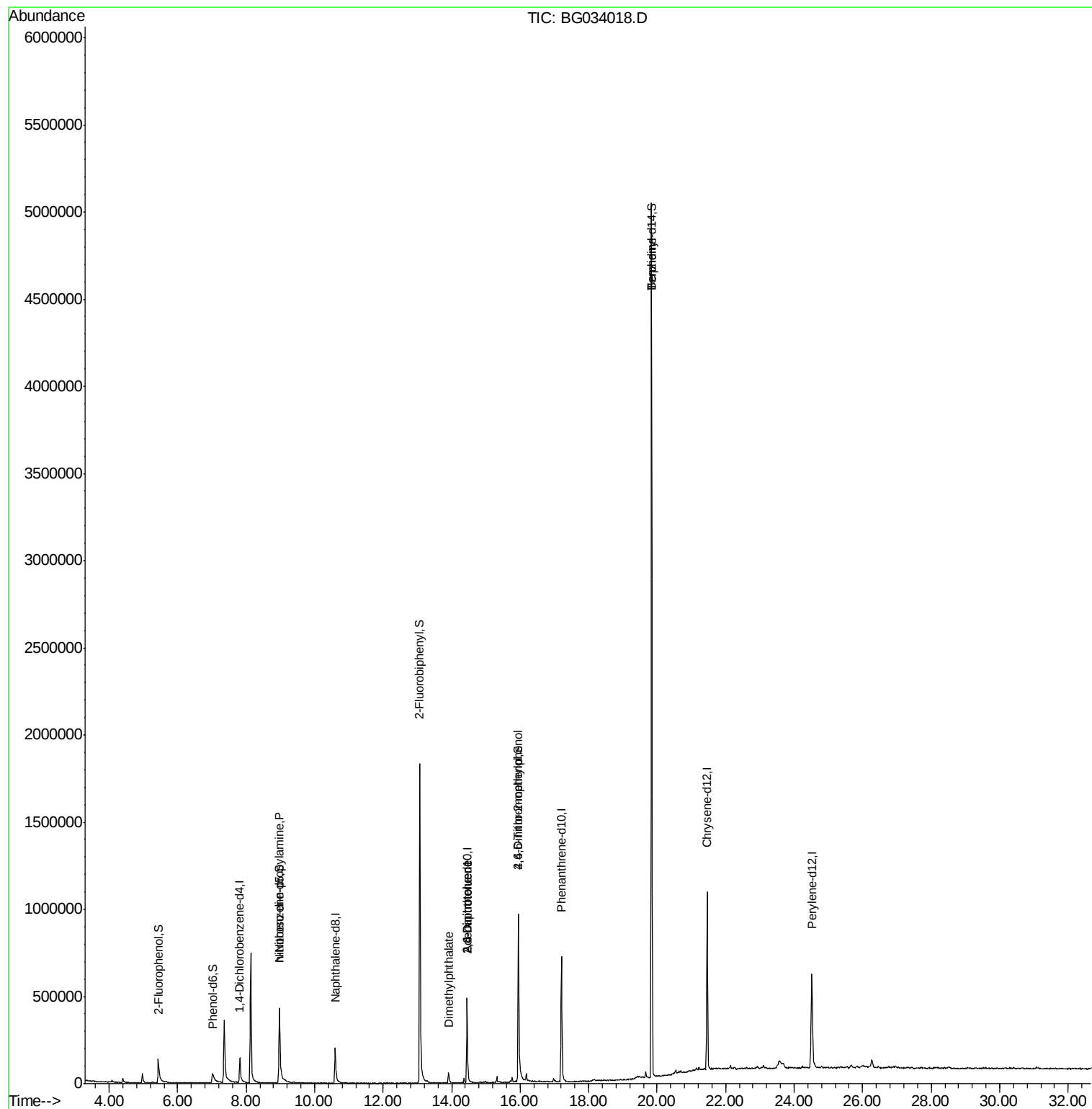
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	59359	20.00	ng	-0.02
21) Naphthalene-d8	10.60	136	270534	20.00	ng	-0.03
38) Acenaphthene-d10	14.45	164	201892	20.00	ng	-0.03
63) Phenanthrene-d10	17.20	188	586787	20.00	ng	-0.02
75) Chrysene-d12	21.46	240	631784	20.00	ng	-0.03
86) Perylene-d12	24.52	264	616055	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	116637	31.37	ng	-0.01
7) Phenol-d6	7.01	99	85342	15.74	ng	0.00
23) Nitrobenzene-d5	8.97	82	433326	91.15	ng	-0.02
41) 2,4,6-Tribromophenol	15.95	330	274861	116.69	ng	-0.02
44) 2-Fluorobiphenyl	13.07	172	1302707	94.79	ng	-0.03
78) Terphenyl-d14	19.84	244	2443539	86.89	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.99	77	57	Below Cal	Qvalue	# 5
19) n-Nitroso-di-n-propylamine	8.97	70	54112	11.706 ng	#	77
49) Dimethylphthalate	13.91	163	61934	3.487 ng	#	96
50) 2,6-Dinitrotoluene	14.45	165	26276	7.807 ng	#	21
56) 2,4-Dinitrotoluene	14.45	165	26276	5.871 ng	#	19
64) 4,6-Dinitro-2-methylphenol	15.95	198	2771	7.337 ng	#	67
76) Benzydine	19.84	184	39298	2.303 ng	#	89

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

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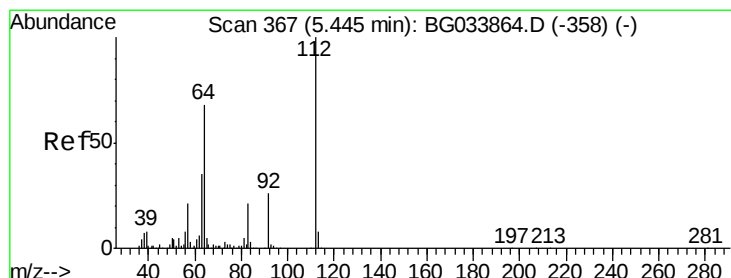
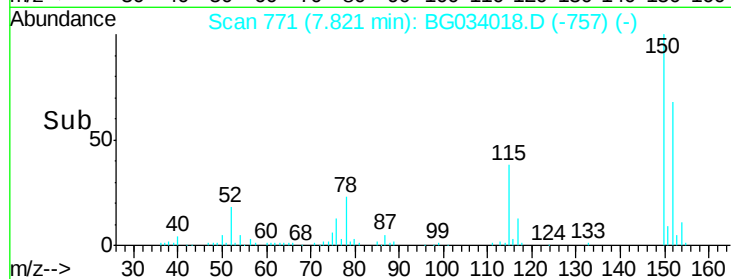
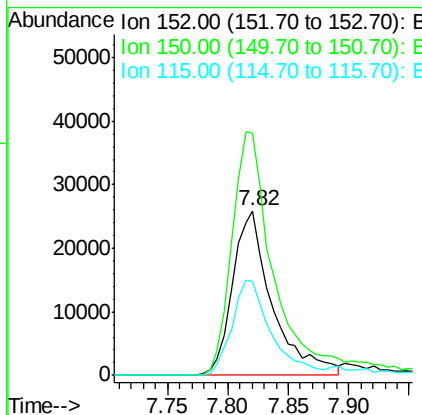
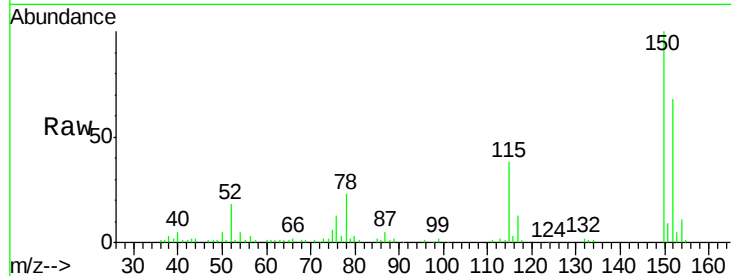


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.82 min Scan# 771
Delta R.T. -0.02 min
Lab File: BG034018.D
Acq: 26 Apr 2018 19:30

Instrument :
BNA_G
ClientSampleId :
042318-DBRI-E-D-S

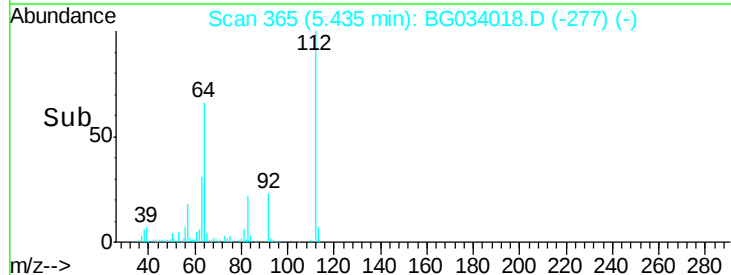
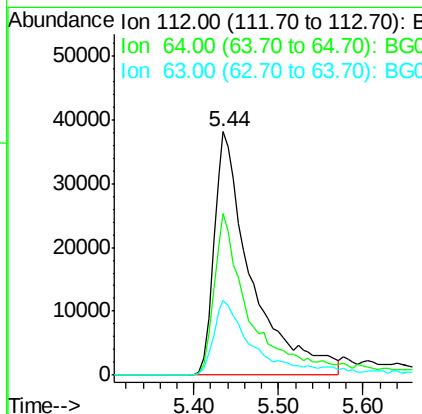
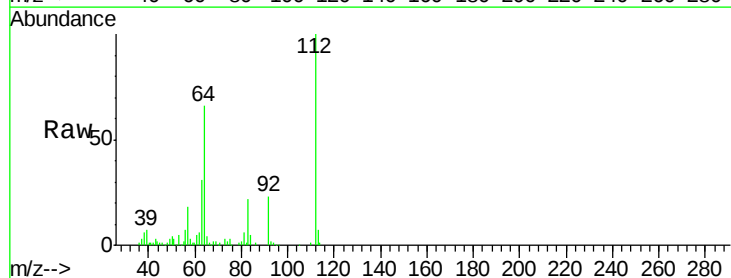
Tgt Ion:152 Resp: 59359
Ion Ratio Lower Upper
152 100
150 147.3 126.6 189.8
115 56.7 53.0 79.4

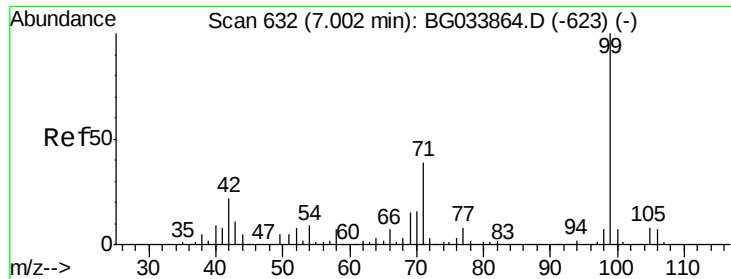


#5

2-Fluorophenol
Concen: 31.371 ng
RT: 5.44 min Scan# 365
Delta R.T. -0.01 min
Lab File: BG034018.D
Acq: 26 Apr 2018 19:30

Tgt Ion:112 Resp: 116637
Ion Ratio Lower Upper
112 100
64 66.2 56.3 84.5
63 30.5 30.1 45.1





#7

Phenol-d6

Concen: 15.737 ng

RT: 7.01 min Scan# 633

Delta R.T. 0.01 min

Lab File: BG034018.D

Acq: 26 Apr 2018 19:30

Instrument :

BNA_G

ClientSampleId :

042318-DBRI-E-D-S

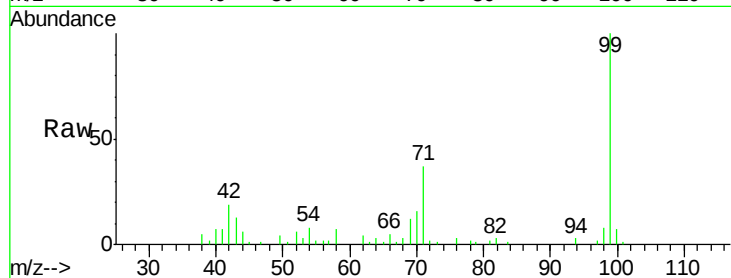
Tgt Ion: 99 Resp: 85342

Ion Ratio Lower Upper

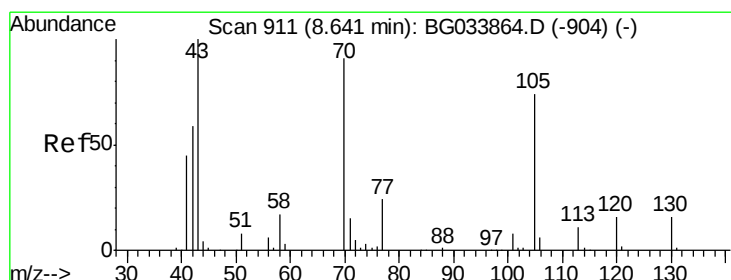
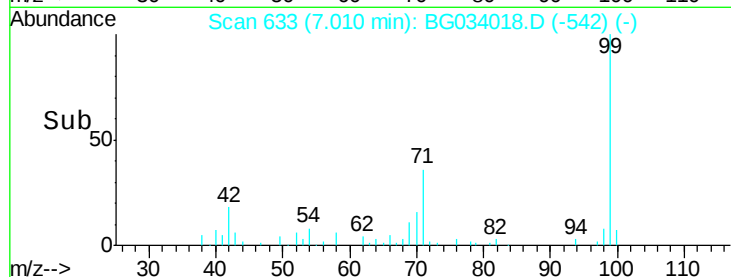
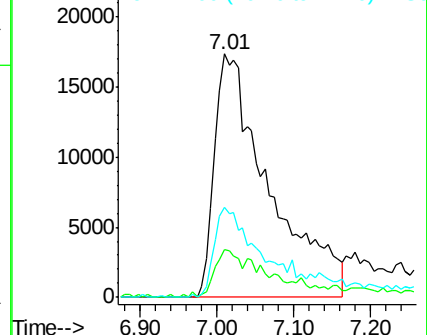
99 100

42 19.5 14.1 21.1

71 37.1 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 11.706 ng

RT: 8.97 min Scan# 967

Delta R.T. 0.33 min

Lab File: BG034018.D

Acq: 26 Apr 2018 19:30

Tgt Ion: 70 Resp: 54112

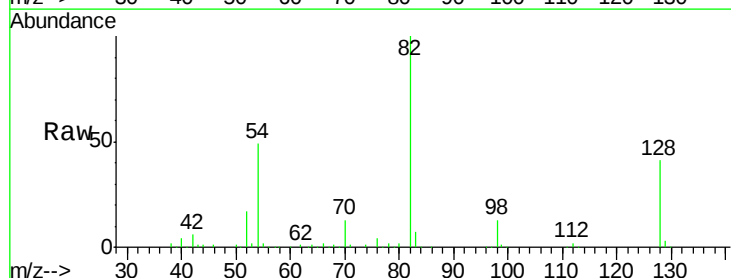
Ion Ratio Lower Upper

70 100

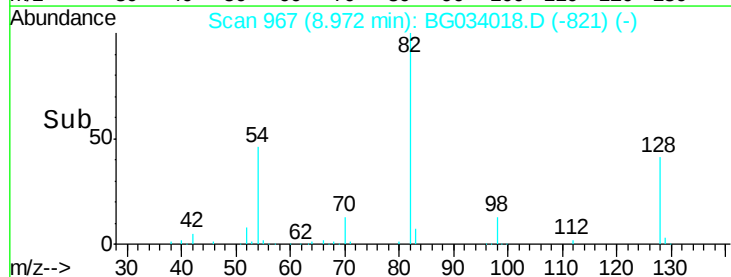
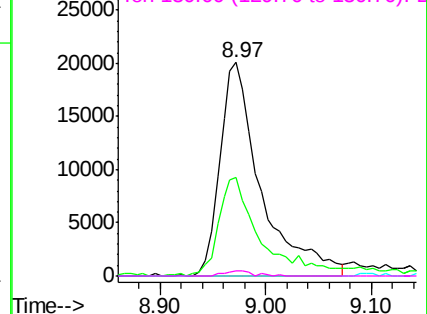
42 46.4 49.1 73.7#

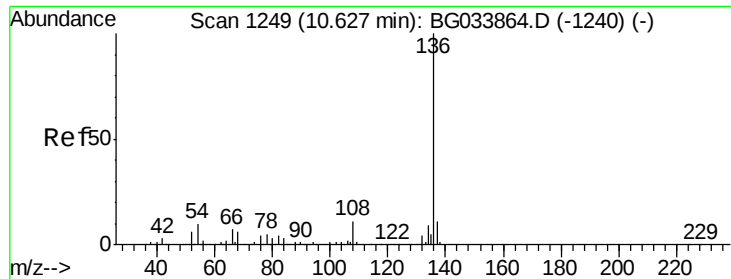
101 0.0 8.5 12.7#

130 2.5 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

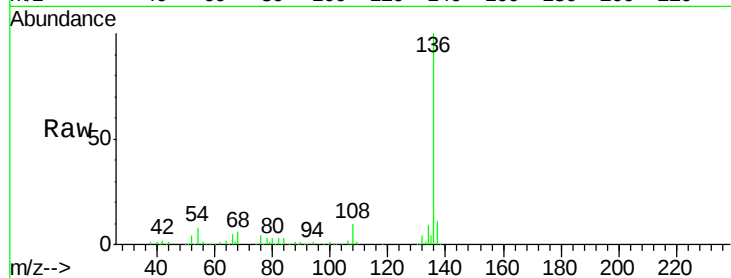




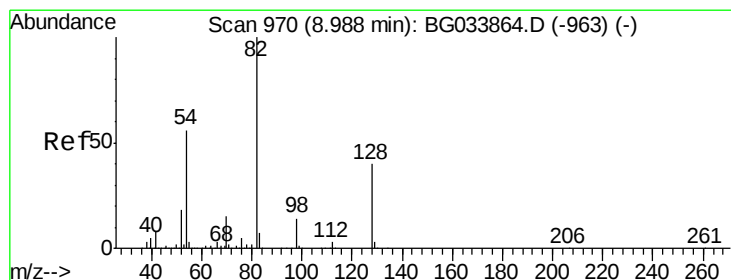
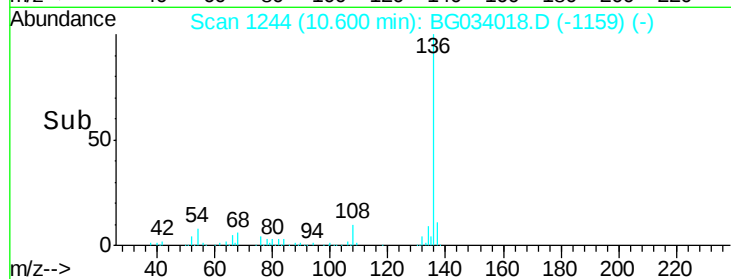
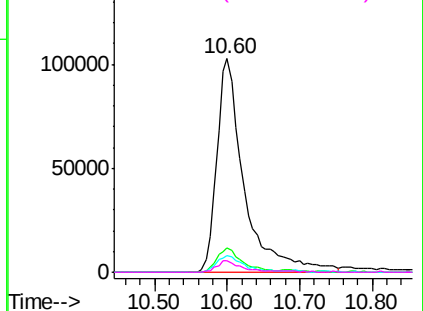
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.60 min Scan# 1244
Delta R.T. -0.03 min
Lab File: BG034018.D
Acq: 26 Apr 2018 19:30

Instrument :
BNA_G
ClientSampleId :
042318-DBRI-E-D-S

Tgt Ion:	136	Resp:	270534
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.2	13.8
54	7.6	10.3	15.5#
68	5.6	4.5	6.7

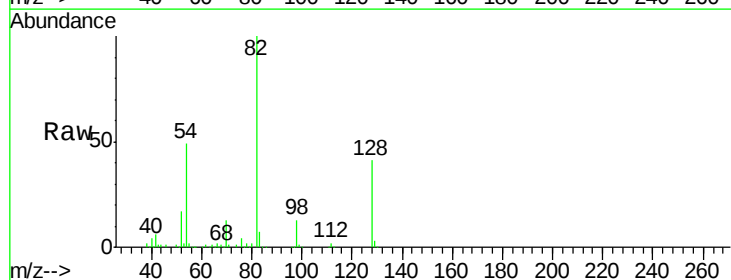


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

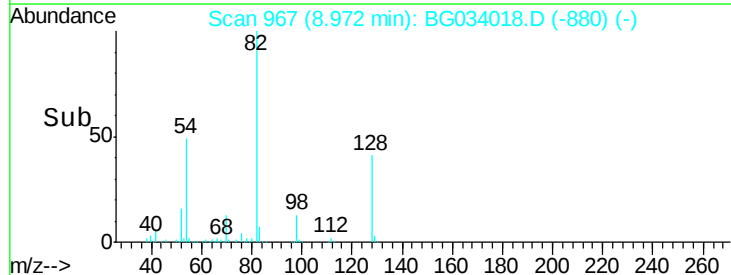
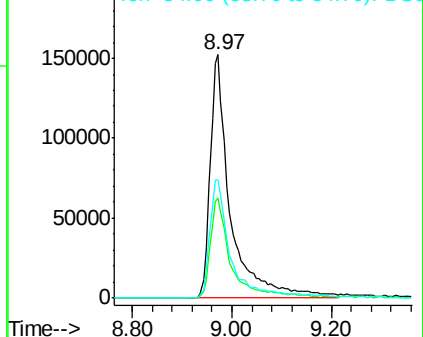


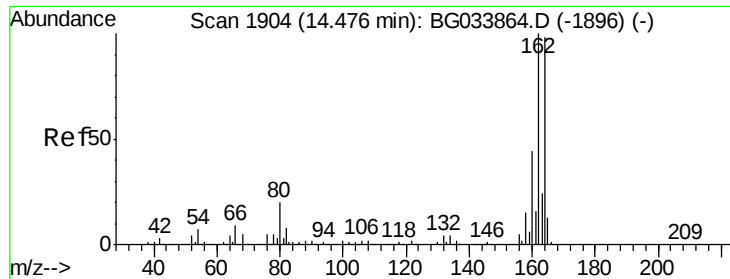
#23
Nitrobenzene-d5
Concen: 91.155 ng
RT: 8.97 min Scan# 967
Delta R.T. -0.02 min
Lab File: BG034018.D
Acq: 26 Apr 2018 19:30

Tgt Ion:	82	Resp:	433326
Ion	Ratio	Lower	Upper
82	100		
128	41.4	29.7	44.5
54	48.7	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: 14.45 min Scan# 1899

Delta R.T. -0.03 min

Lab File: BG034018.D

Acq: 26 Apr 2018 19:30

Instrument :

BNA_G

ClientSampleId :

042318-DBRI-E-D-S

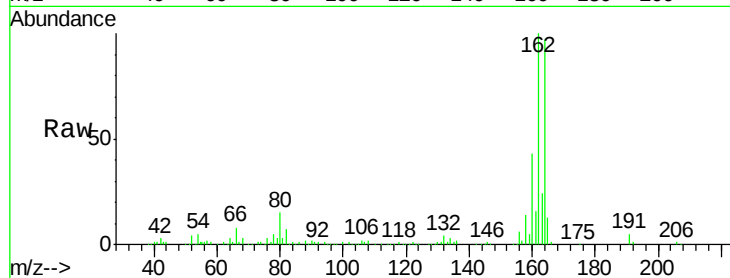
Tgt Ion:164 Resp: 201892

Ion Ratio Lower Upper

164 100

162 102.6 78.8 118.2

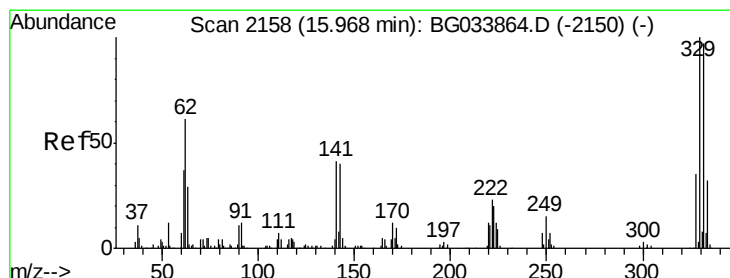
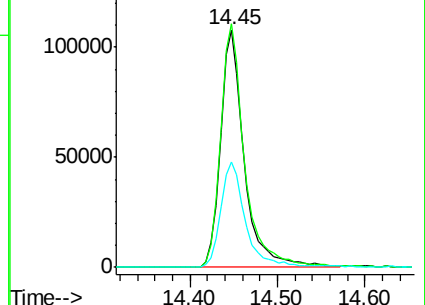
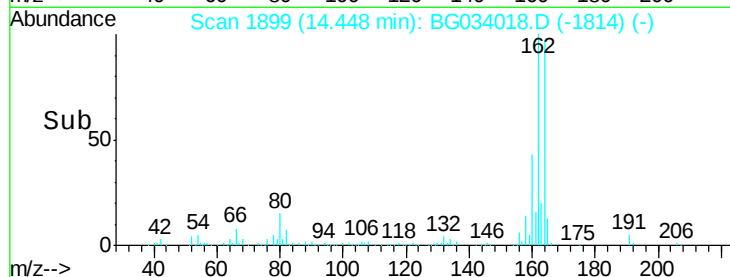
160 44.4 35.4 53.0



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: 116.694 ng

RT: 15.95 min Scan# 2154

Delta R.T. -0.02 min

Lab File: BG034018.D

Acq: 26 Apr 2018 19:30

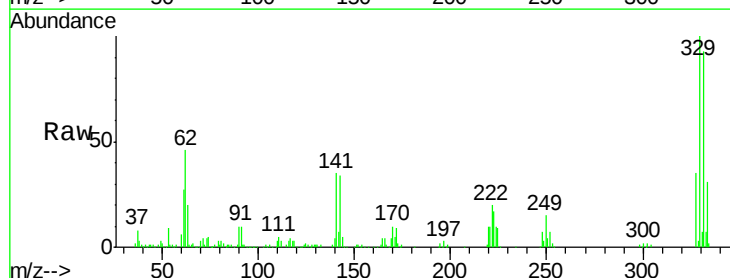
Tgt Ion:330 Resp: 274861

Ion Ratio Lower Upper

330 100

332 94.9 77.0 115.6

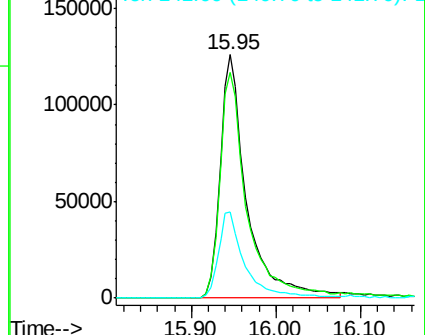
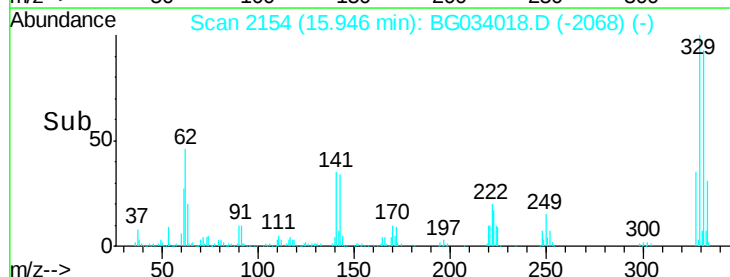
141 35.5 25.2 37.8

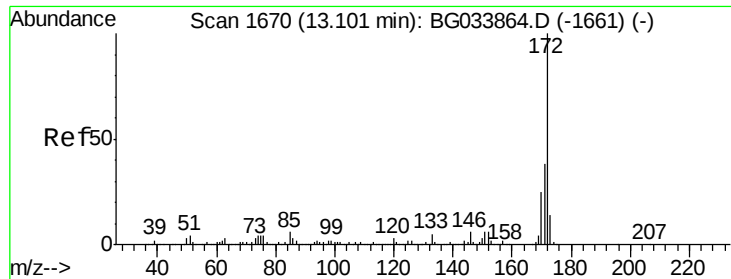


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

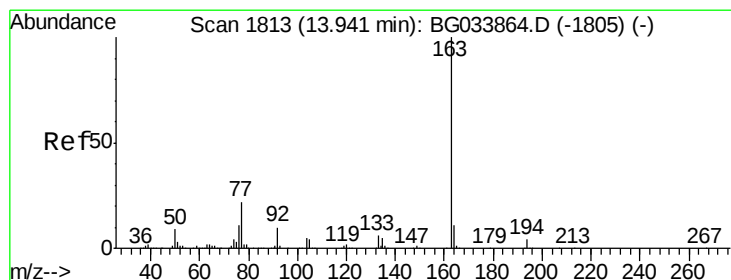
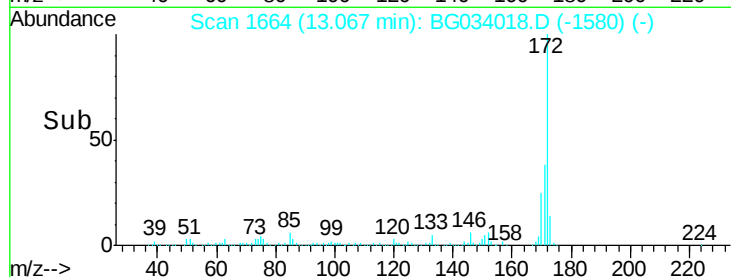
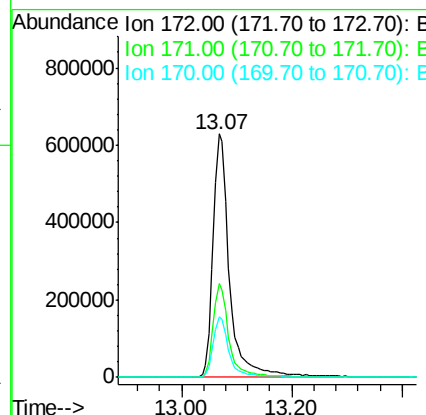
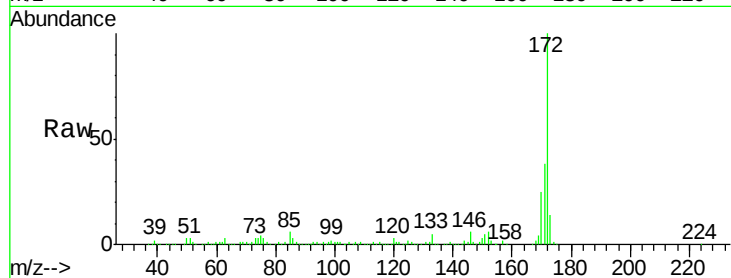




#44
2-Fluorobiphenyl
Concen: 94.789 ng
RT: 13.07 min Scan# 1664
Delta R.T. -0.03 min
Lab File: BG034018.D
Acq: 26 Apr 2018 19:30

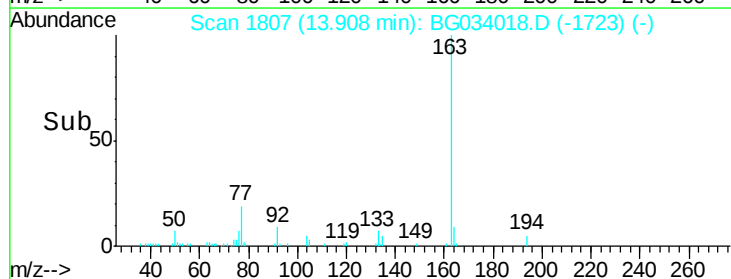
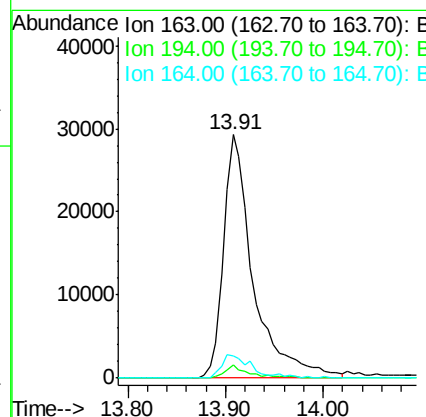
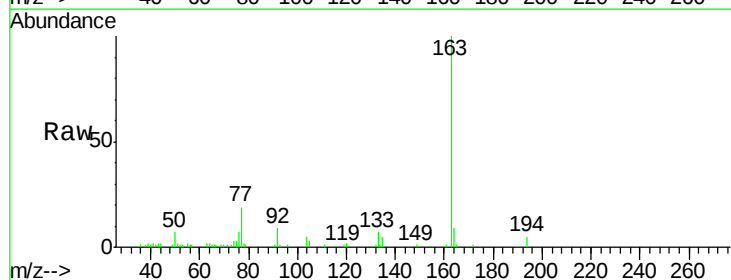
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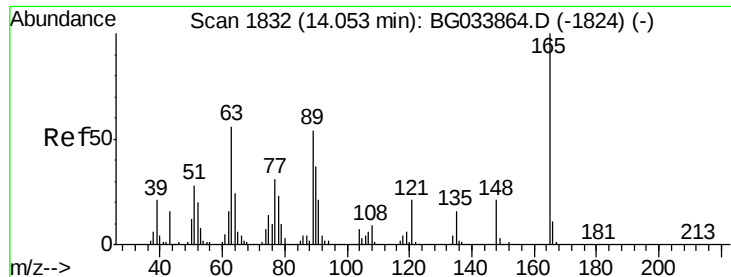
Tgt Ion:172 Resp: 1302707
Ion Ratio Lower Upper
172 100
171 38.4 30.0 45.0
170 24.6 19.5 29.3



#49
Dimethylphthalate
Concen: 3.487 ng
RT: 13.91 min Scan# 1807
Delta R.T. -0.03 min
Lab File: BG034018.D
Acq: 26 Apr 2018 19:30

Tgt Ion:163 Resp: 61934
Ion Ratio Lower Upper
163 100
194 5.5 3.4 5.2#
164 8.9 8.2 12.4

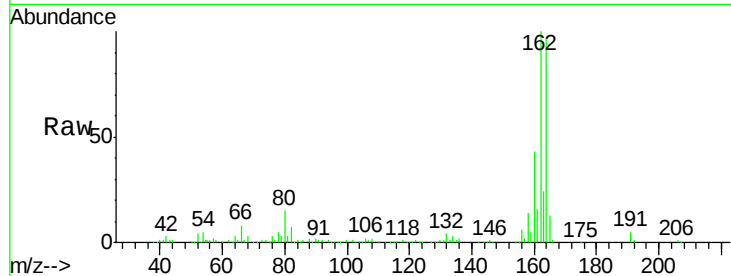




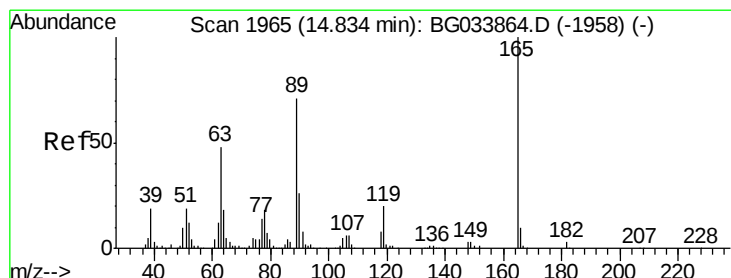
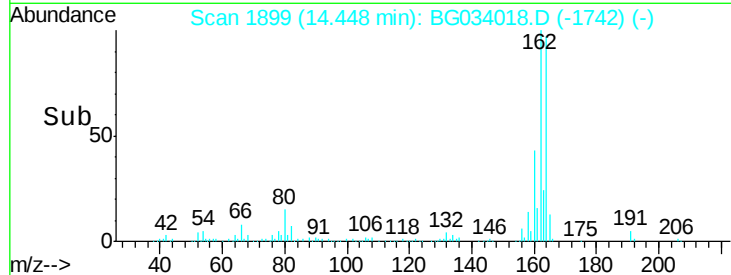
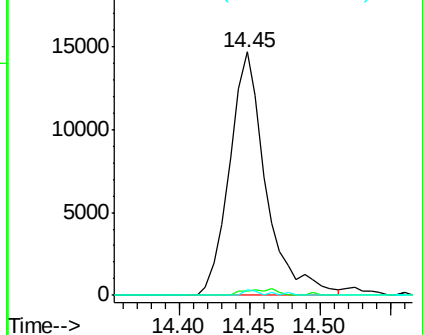
#50
2,6-Dinitrotoluene
Concen: 7.807 ng
RT: 14.45 min Scan# 1899
Delta R.T. 0.40 min
Lab File: BG034018.D
Acq: 26 Apr 2018 19:30

Instrument :
BNA_G
ClientSampleId :
042318-DBRI-E-D-S

Tgt Ion:165 Resp: 26276
Ion Ratio Lower Upper
165 100
63 1.9 52.7 79.1#
89 2.1 49.2 73.8#

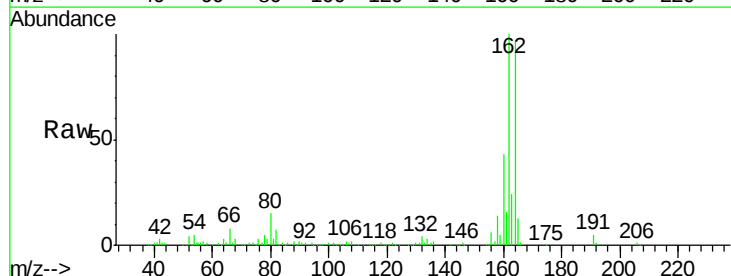


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

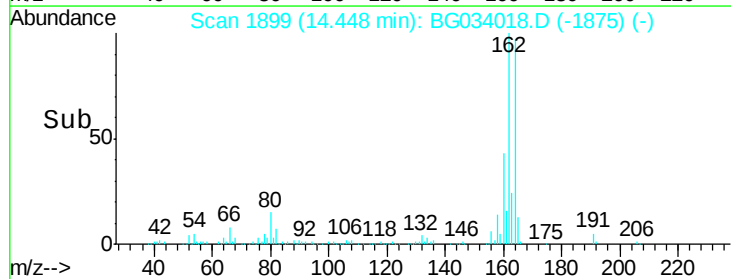
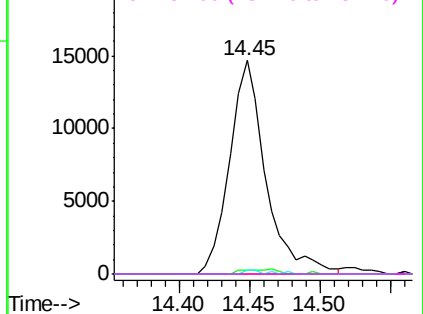


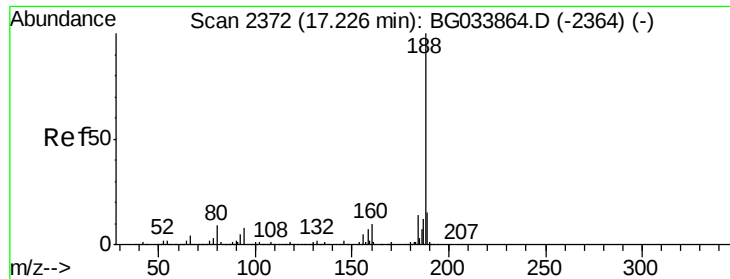
#56
2,4-Dinitrotoluene
Concen: 5.871 ng
RT: 14.45 min Scan# 1899
Delta R.T. -0.39 min
Lab File: BG034018.D
Acq: 26 Apr 2018 19:30

Tgt Ion:165 Resp: 26276
Ion Ratio Lower Upper
165 100
63 1.9 42.0 63.0#
89 2.1 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. -0.02 min

Lab File: BG034018.D

Acq: 26 Apr 2018 19:30

Instrument :

BNA_G

ClientSampleId :

042318-DBRI-E-D-S

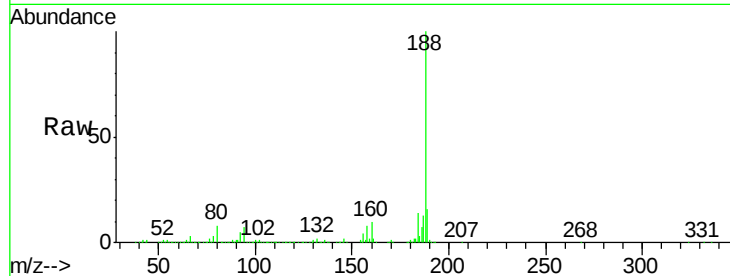
Tgt Ion:188 Resp: 586787

Ion Ratio Lower Upper

188 100

94 6.9 6.9 10.3

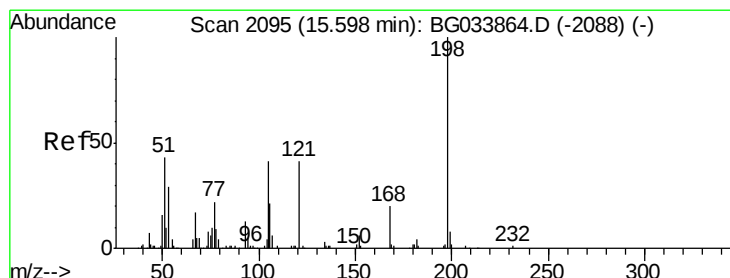
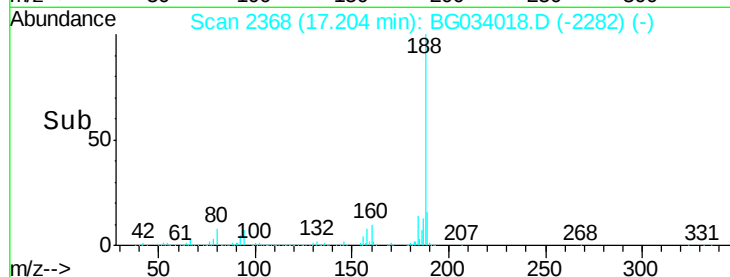
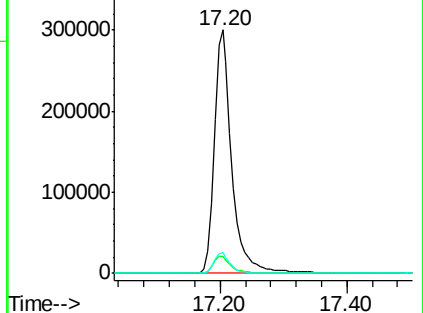
80 8.5 7.7 11.5



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: 7.337 ng

RT: 15.95 min Scan# 2154

Delta R.T. 0.35 min

Lab File: BG034018.D

Acq: 26 Apr 2018 19:30

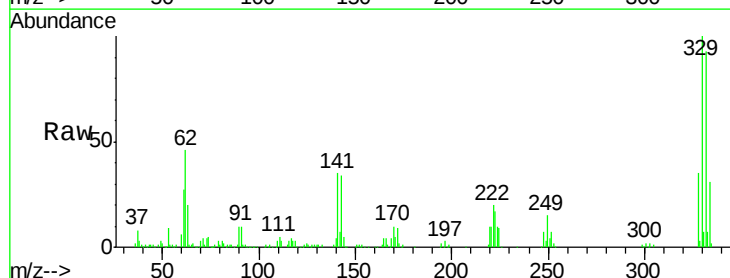
Tgt Ion:198 Resp: 2771

Ion Ratio Lower Upper

198 100

51 23.2 30.6 70.6#

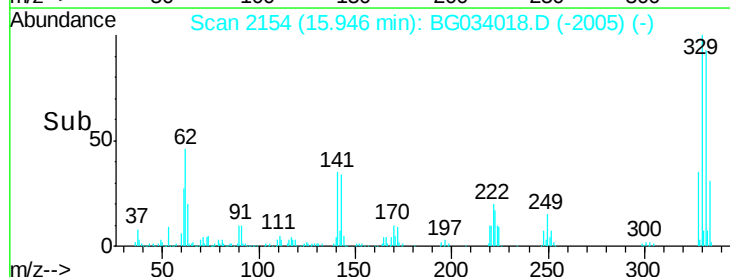
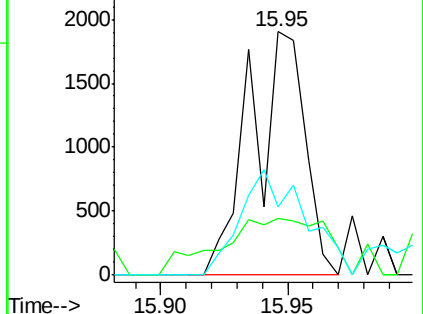
105 28.0 23.8 63.8

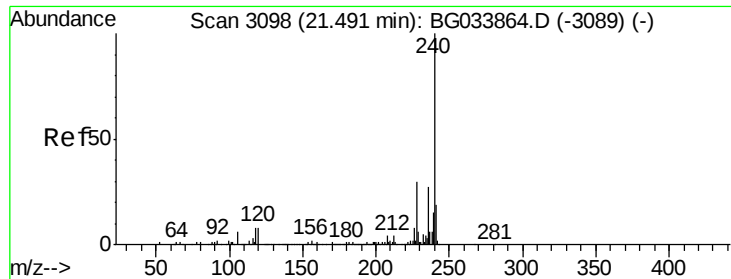


Abundance Ion 198.00 (197.70 to 198.70): E

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: 21.46 min Scan# 3092

Delta R.T. -0.03 min

Lab File: BG034018.D

Acq: 26 Apr 2018 19:30

Instrument :

BNA_G

ClientSampleId :

042318-DBRI-E-D-S

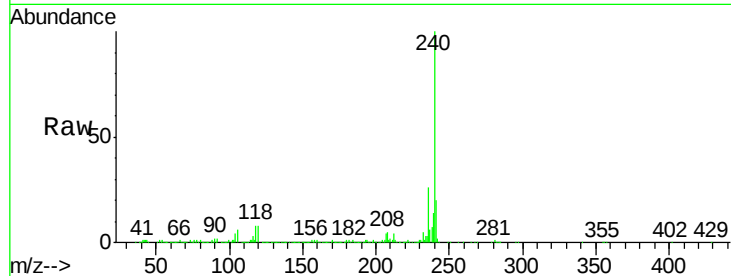
Tgt Ion:240 Resp: 631784

Ion Ratio Lower Upper

240 100

120 8.3 6.8 10.2

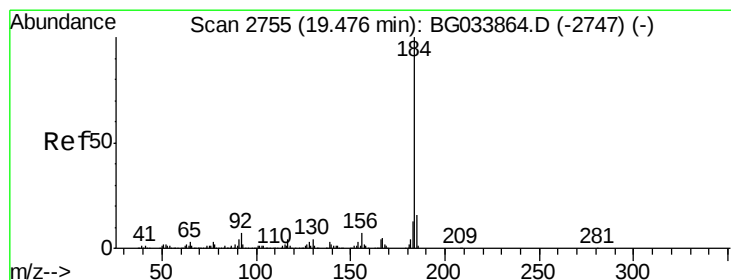
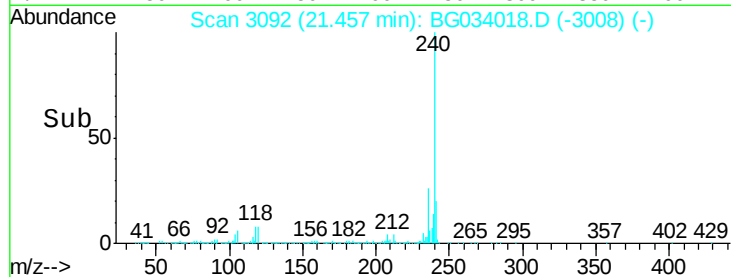
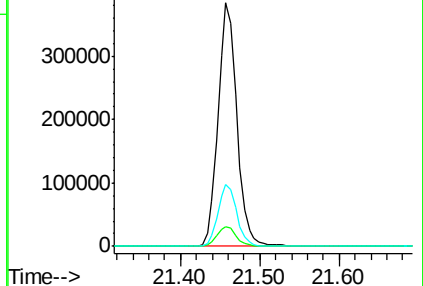
236 25.5 20.9 31.3



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: 2.303 ng

RT: 19.84 min Scan# 2816

Delta R.T. 0.36 min

Lab File: BG034018.D

Acq: 26 Apr 2018 19:30

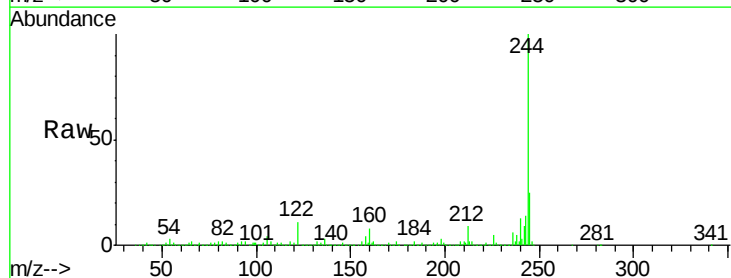
Tgt Ion:184 Resp: 39298

Ion Ratio Lower Upper

184 100

185 18.0 11.1 16.7#

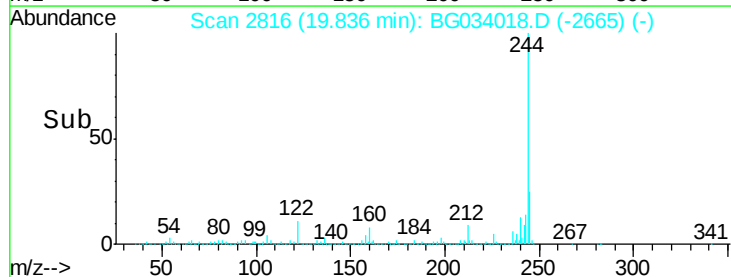
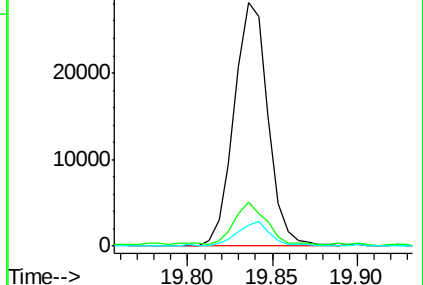
183 8.5 10.6 16.0#

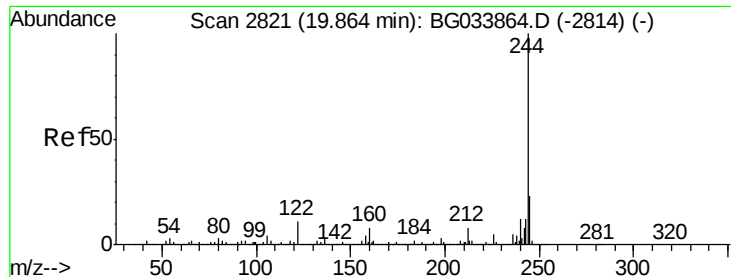


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 86.892 ng

RT: 19.84 min Scan# 2816

Delta R.T. -0.03 min

Lab File: BG034018.D

Acq: 26 Apr 2018 19:30

Instrument :

BNA_G

ClientSampleId :

042318-DBRI-E-D-S

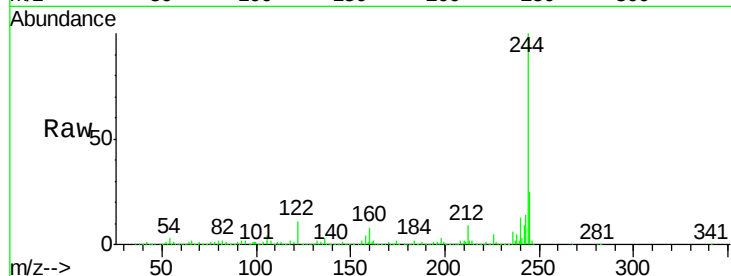
Tgt Ion:244 Resp: 2443539

Ion Ratio Lower Upper

244 100

212 9.3 5.8 8.8#

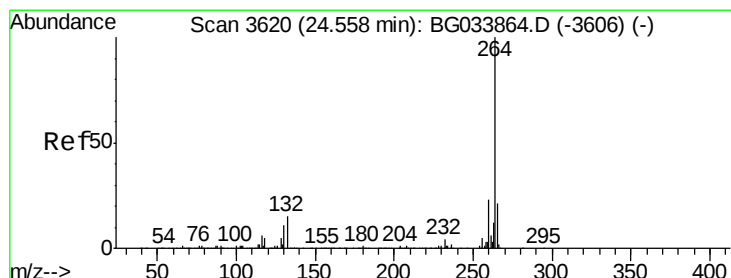
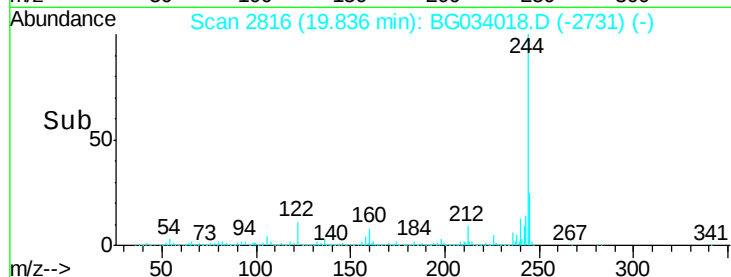
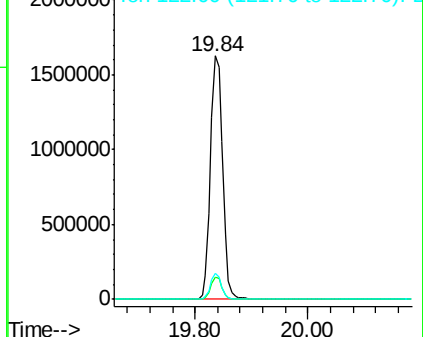
122 10.6 7.0 10.4#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.52 min Scan# 3613

Delta R.T. -0.04 min

Lab File: BG034018.D

Acq: 26 Apr 2018 19:30

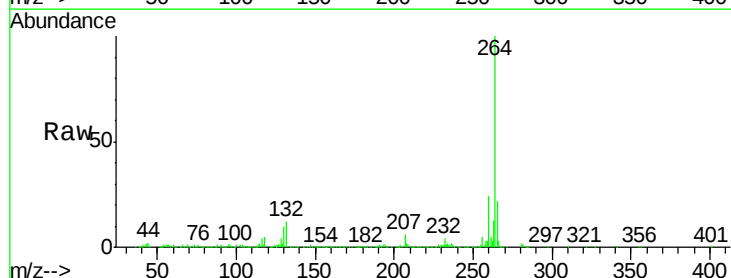
Tgt Ion:264 Resp: 616055

Ion Ratio Lower Upper

264 100

260 24.3 17.4 26.0

265 21.8 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

