

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG042618\
 Data File : BG034023.D
 Acq On : 26 Apr 2018 22:41
 Operator : SJ/JU
 Sample : J2571-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 042418-DBRI-E-D-B

Quant Time: Apr 27 01:39:53 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

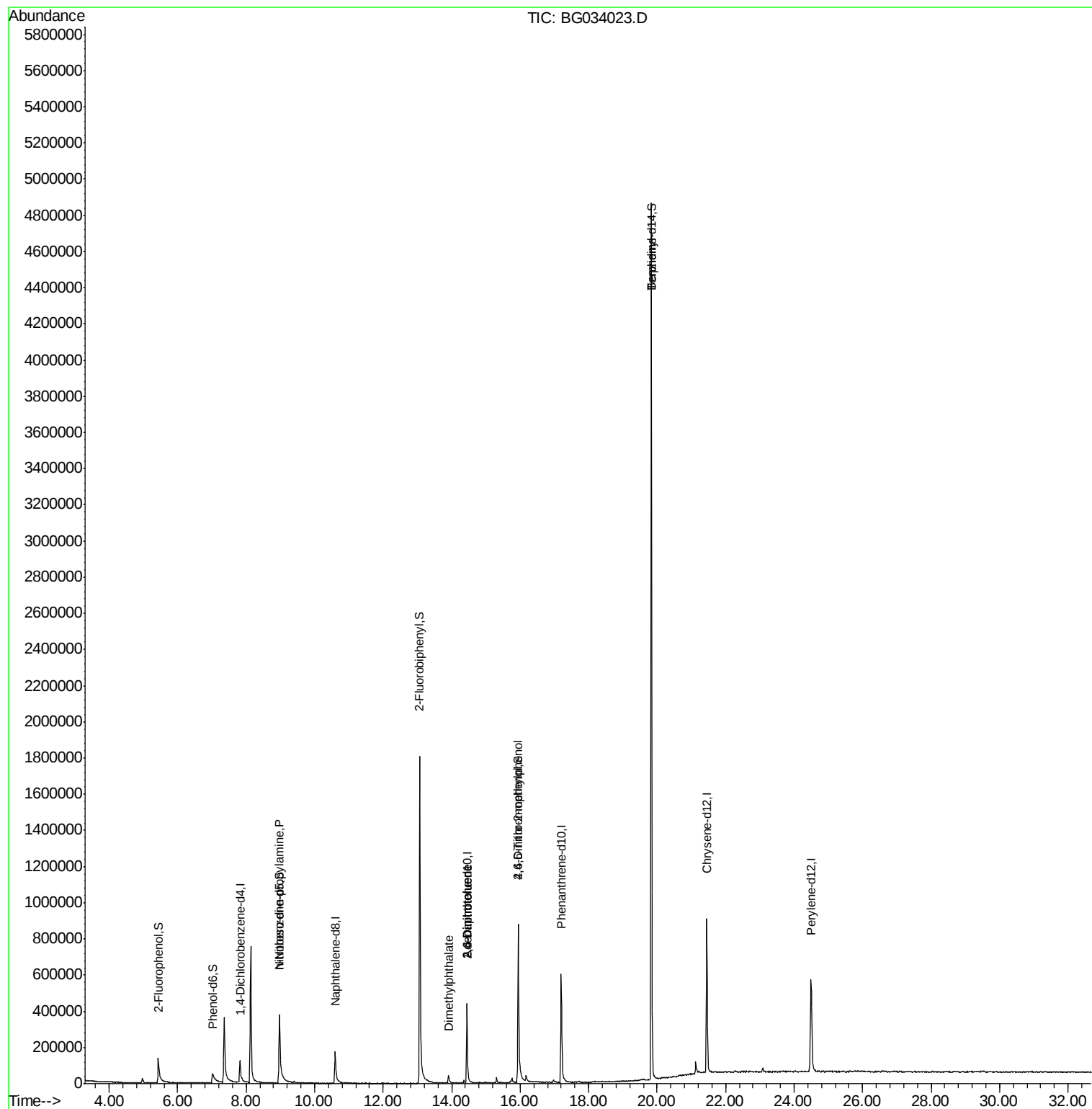
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	55742	20.00	ng	-0.02
21) Naphthalene-d8	10.60	136	262663	20.00	ng	-0.03
38) Acenaphthene-d10	14.44	164	194071	20.00	ng	-0.03
63) Phenanthrene-d10	17.20	188	549959	20.00	ng	-0.03
75) Chrysene-d12	21.45	240	588551	20.00	ng	-0.04
86) Perylene-d12	24.50	264	589985	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	131832	37.76	ng	0.00
7) Phenol-d6	7.02	99	87086	17.10	ng	0.01
23) Nitrobenzene-d5	8.97	82	412954	89.47	ng	-0.02
41) 2,4,6-Tribromophenol	15.94	330	258106	114.00	ng	-0.03
44) 2-Fluorobiphenyl	13.07	172	1348808	102.10	ng	-0.03
78) Terphenyl-d14	19.83	244	2433439	92.89	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.92	77	61	Below Cal		Qvalue # 51
19) n-Nitroso-di-n-propylamine	8.97	70	50035	11.526 ng	#	77
49) Dimethylphthalate	13.91	163	47900	2.806 ng	#	97
50) 2,6-Dinitrotoluene	14.44	165	25207	7.791 ng	#	21
56) 2,4-Dinitrotoluene	14.44	165	25627	5.957 ng	#	19
64) 4,6-Dinitro-2-methylphenol	15.95	198	699	6.717 ng	#	81
76) Benzydine	19.83	184	37241	2.343 ng	#	93

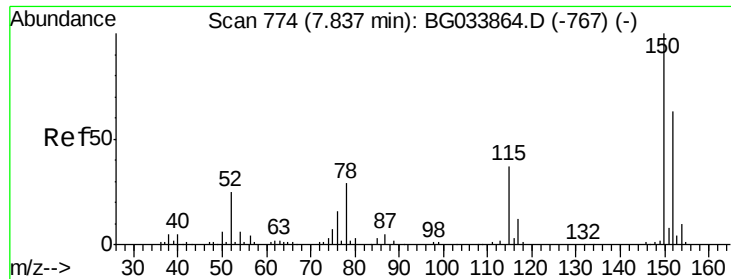
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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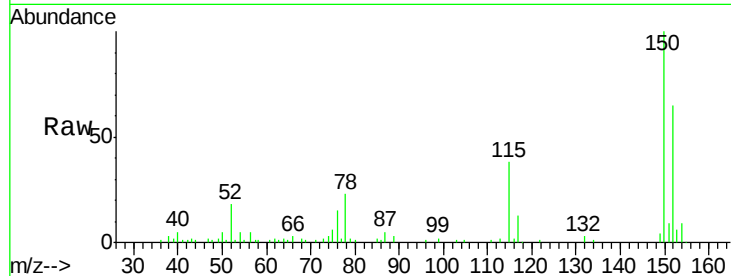


#1

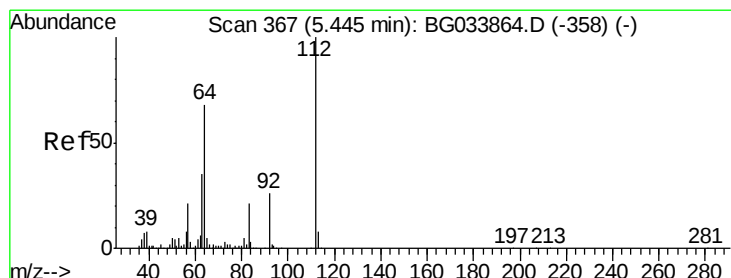
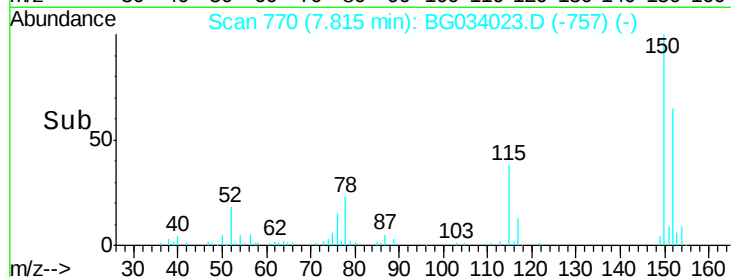
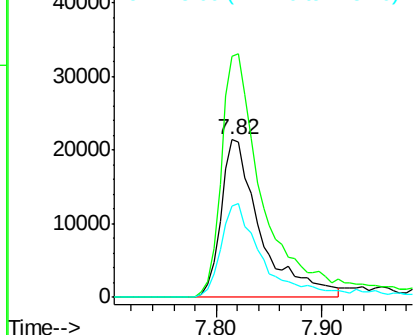
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.82 min Scan# 770
 Delta R.T. -0.02 min
 Lab File: BG034023.D
 Acq: 26 Apr 2018 22:41

Instrument :
 BNA_G
 ClientSampleId :
 042418-DBRI-E-D-B

Tgt Ion:152 Resp: 55742
 Ion Ratio Lower Upper
 152 100
 150 152.8 126.6 189.8
 115 58.3 53.0 79.4



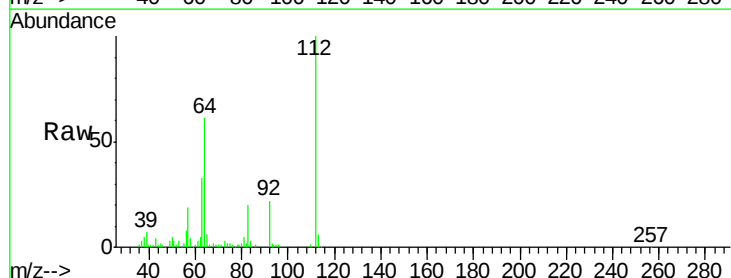
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



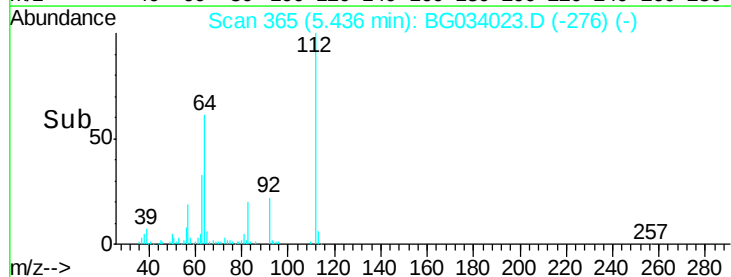
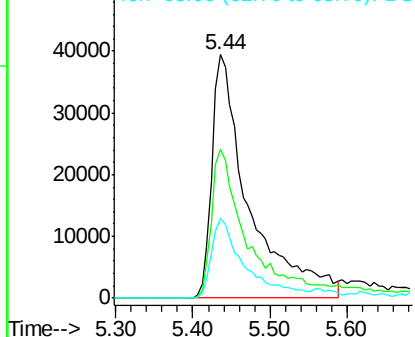
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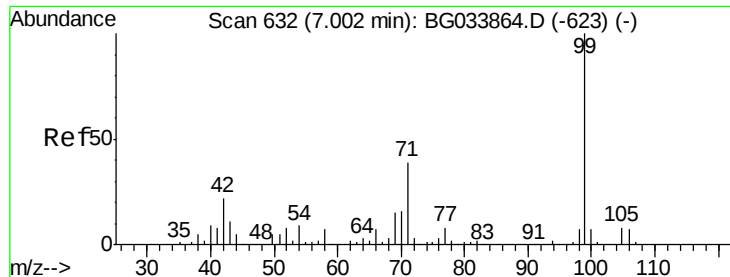
2-Fluorophenol
 Concen: 37.759 ng
 RT: 5.44 min Scan# 365
 Delta R.T. -0.01 min
 Lab File: BG034023.D
 Acq: 26 Apr 2018 22:41

Tgt Ion:112 Resp: 131832
 Ion Ratio Lower Upper
 112 100
 64 61.1 56.3 84.5
 63 32.7 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: 17.101 ng

RT: 7.02 min Scan# 634

Delta R.T. 0.01 min

Lab File: BG034023.D

Acq: 26 Apr 2018 22:41

Instrument :

BNA_G

ClientSampleId :

042418-DBRI-E-D-B

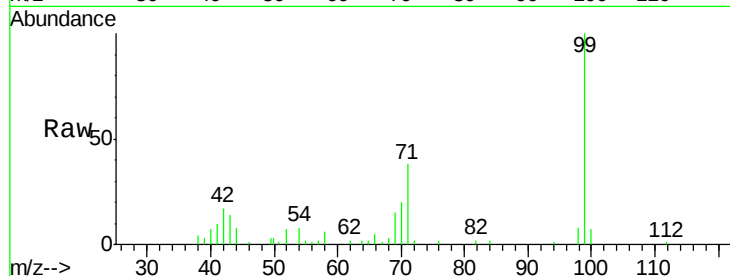
Tgt Ion: 99 Resp: 87086

Ion Ratio Lower Upper

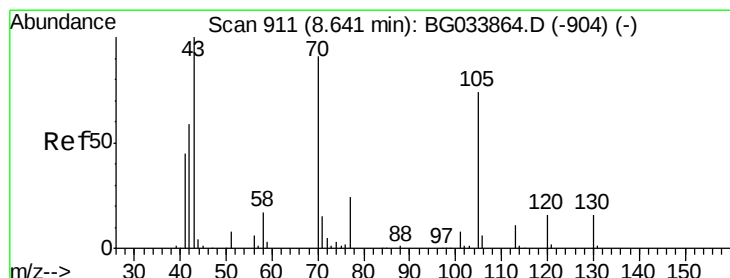
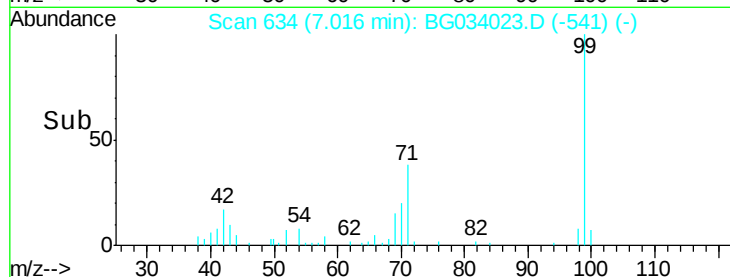
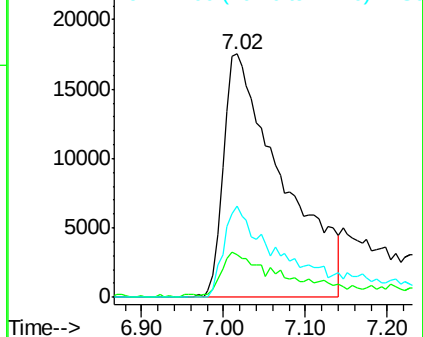
99 100

42 17.4 14.1 21.1

71 37.5 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: 11.526 ng

RT: 8.97 min Scan# 966

Delta R.T. 0.33 min

Lab File: BG034023.D

Acq: 26 Apr 2018 22:41

Tgt Ion: 70 Resp: 50035

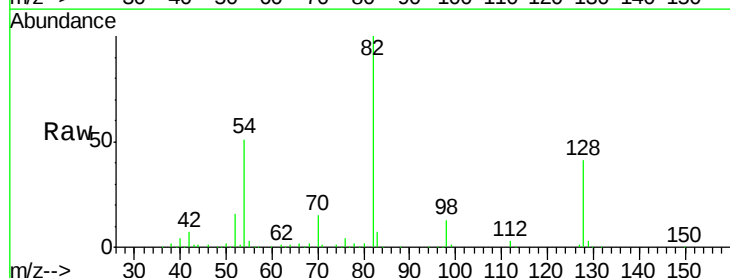
Ion Ratio Lower Upper

70 100

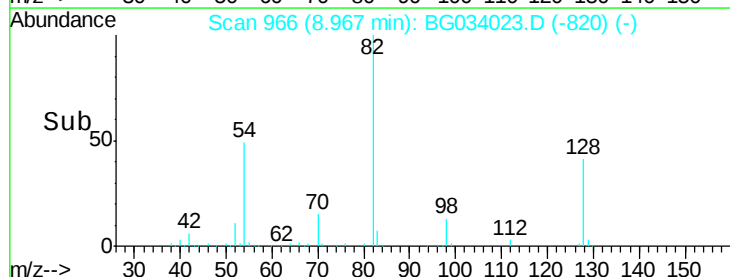
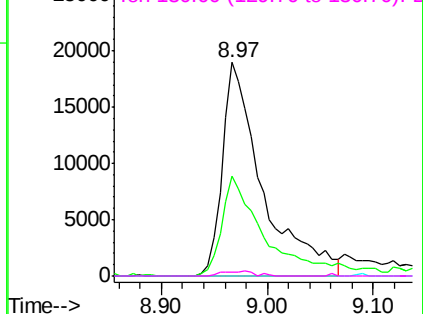
42 46.8 49.1 73.7#

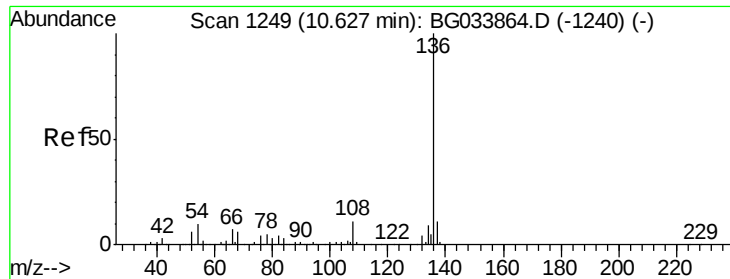
101 0.0 8.5 12.7#

130 1.6 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

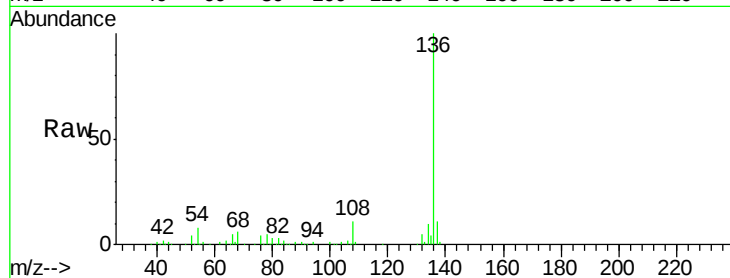




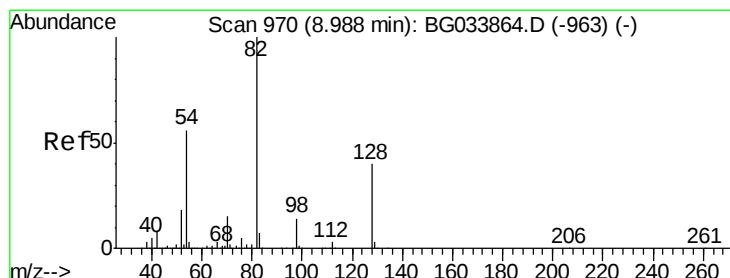
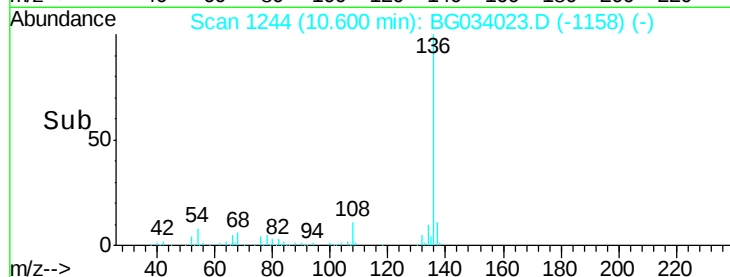
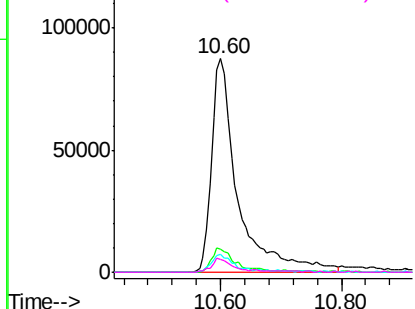
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.60 min Scan# 1244
Delta R.T. -0.03 min
Lab File: BG034023.D
Acq: 26 Apr 2018 22:41

Instrument :
BNA_G
ClientSampleId :
042418-DBRI-E-D-B

Tgt Ion:	136	Resp:	262663
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	8.8	10.3	15.5#
68	5.8	4.5	6.7

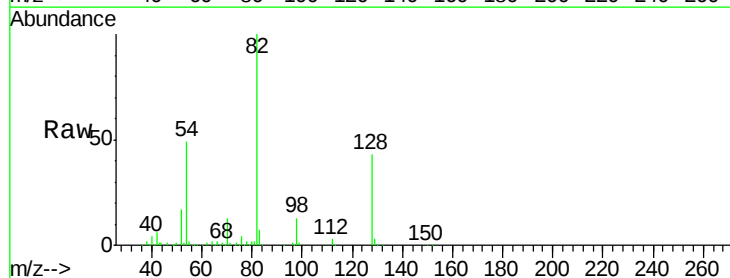


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

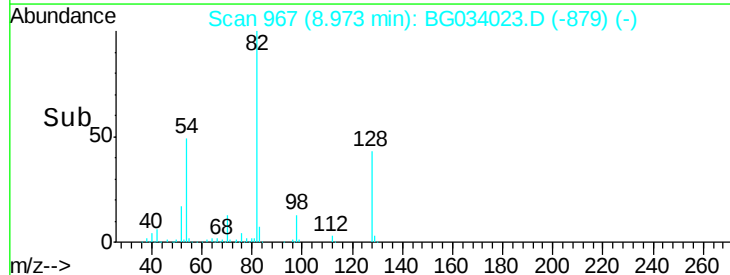
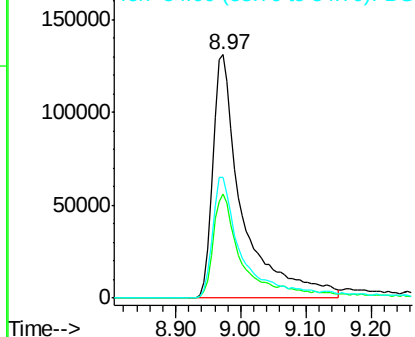


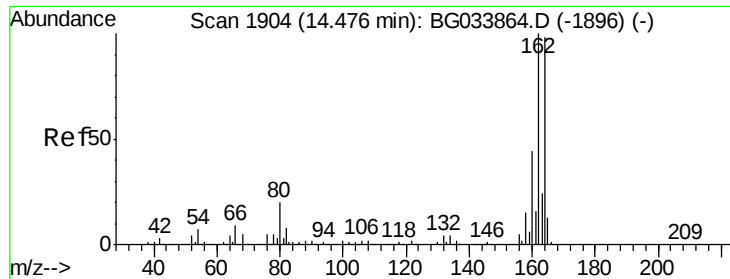
#23
Nitrobenzene-d5
Concen: 89.472 ng
RT: 8.97 min Scan# 967
Delta R.T. -0.02 min
Lab File: BG034023.D
Acq: 26 Apr 2018 22:41

Tgt Ion:	82	Resp:	412954
Ion	Ratio	Lower	Upper
82	100		
128	42.6	29.7	44.5
54	49.4	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# 1898

Delta R.T. -0.03 min

Lab File: BG034023.D

Acq: 26 Apr 2018 22:41

Instrument :

BNA_G

ClientSampleId :

042418-DBRI-E-D-B

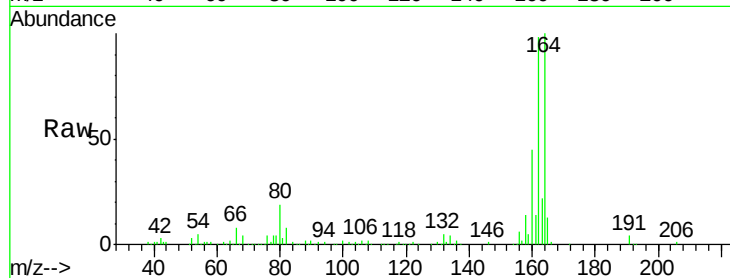
Tgt Ion:164 Resp: 194071

Ion Ratio Lower Upper

164 100

162 98.0 78.8 118.2

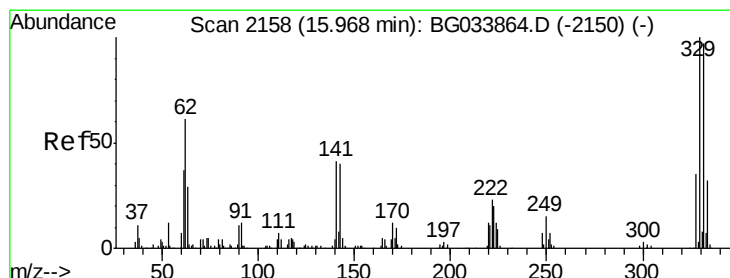
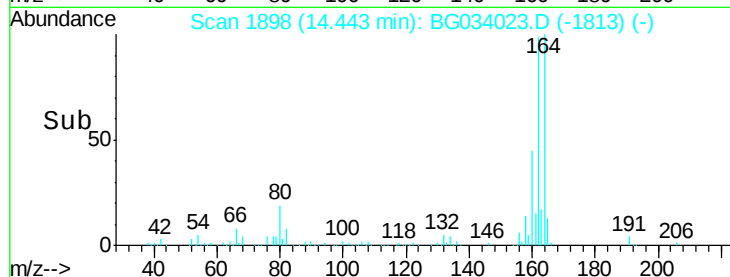
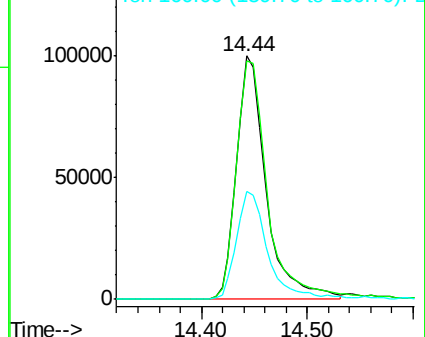
160 44.6 35.4 53.0



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: 113.997 ng

RT: 15.94 min Scan# 2153

Delta R.T. -0.03 min

Lab File: BG034023.D

Acq: 26 Apr 2018 22:41

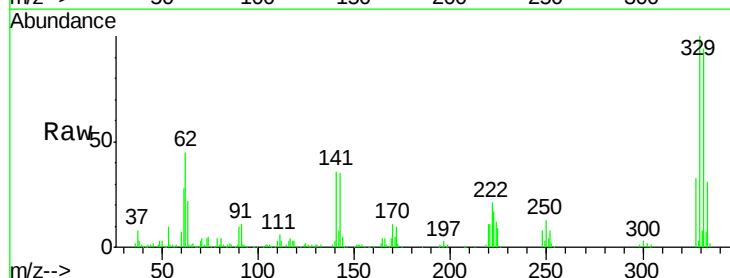
Tgt Ion:330 Resp: 258106

Ion Ratio Lower Upper

330 100

332 98.0 77.0 115.6

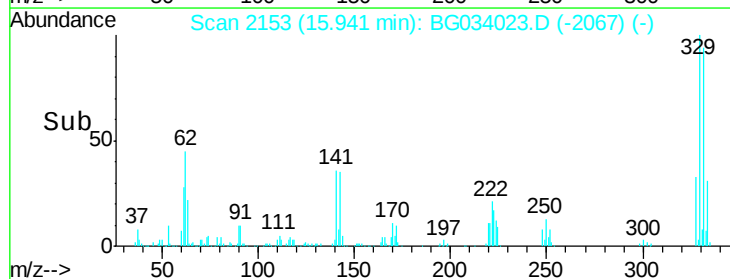
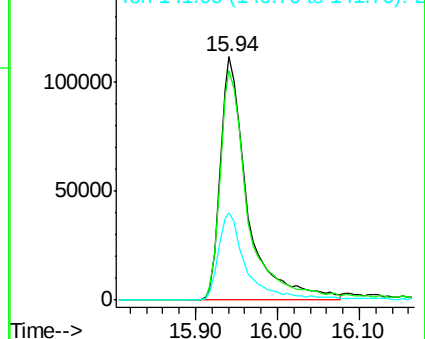
141 37.0 25.2 37.8

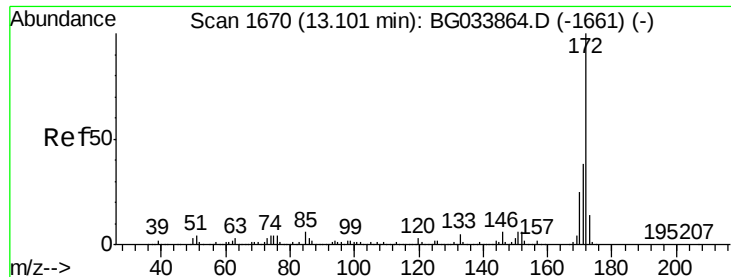


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

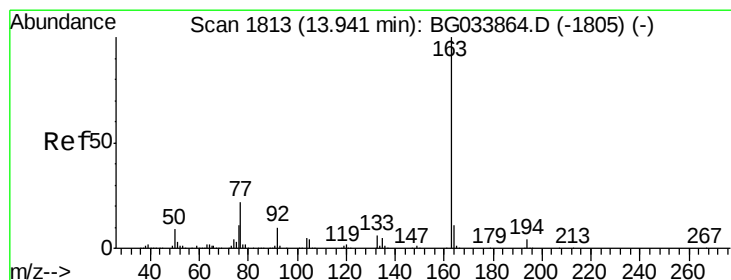
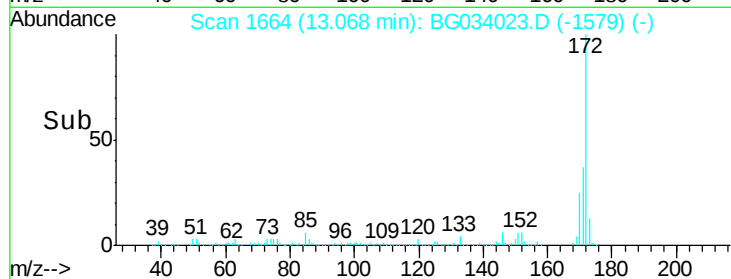
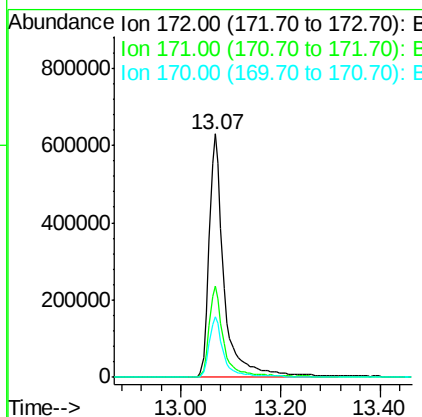
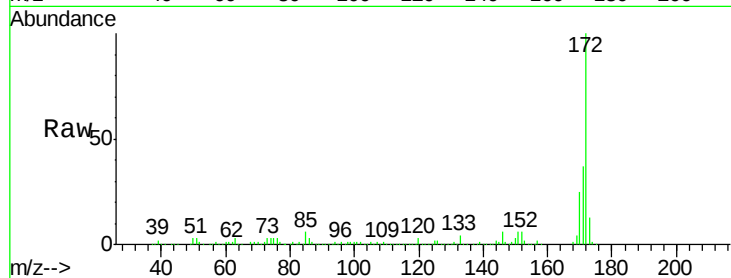




#44
 2-Fluorobiphenyl
 Concen: 102.098 ng
 RT: 13.07 min Scan# 1664
 Delta R.T. -0.03 min
 Lab File: BG034023.D
 Acq: 26 Apr 2018 22:41

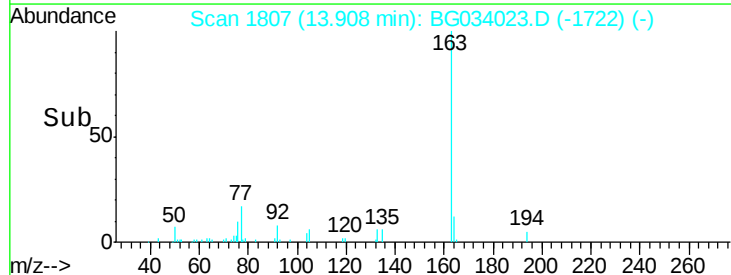
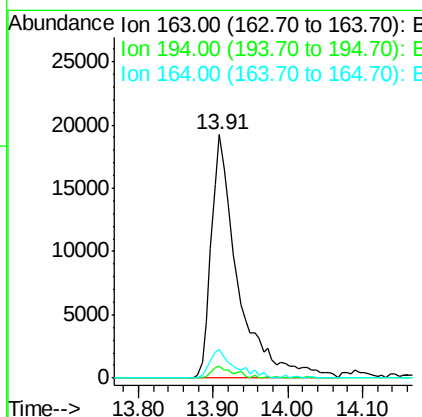
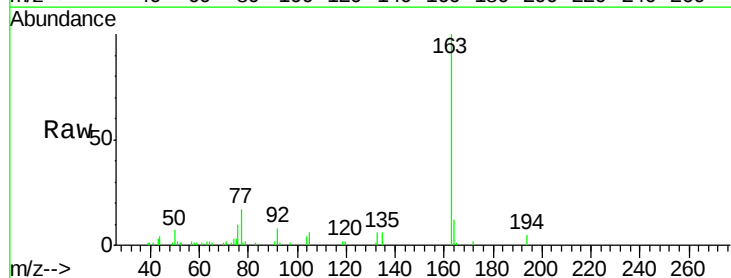
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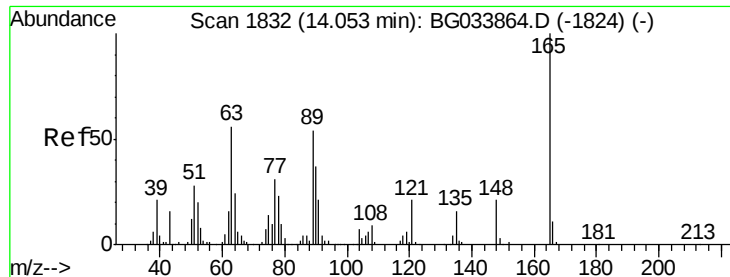
Tgt Ion:172 Resp: 1348808
 Ion Ratio Lower Upper
 172 100
 171 37.4 30.0 45.0
 170 25.0 19.5 29.3



#49
 Dimethylphthalate
 Concen: 2.806 ng
 RT: 13.91 min Scan# 1807
 Delta R.T. -0.03 min
 Lab File: BG034023.D
 Acq: 26 Apr 2018 22:41

Tgt Ion:163 Resp: 47900
 Ion Ratio Lower Upper
 163 100
 194 5.1 3.4 5.2
 164 11.7 8.2 12.4





#50

2,6-Dinitrotoluene

Concen: 7.791 ng

RT: 14.44 min Scan# 1898

Delta R.T. 0.39 min

Lab File: BG034023.D

Acq: 26 Apr 2018 22:41

Instrument :

BNA_G

ClientSampleId :

042418-DBRI-E-D-B

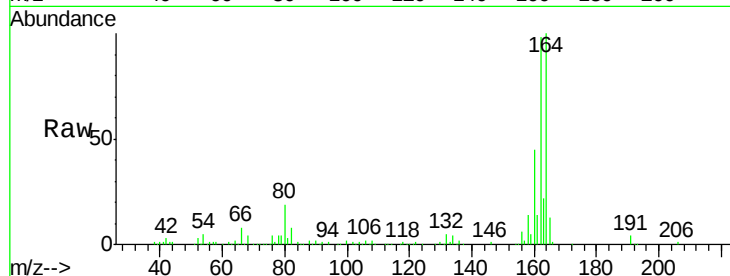
Tgt Ion:165 Resp: 25207

Ion Ratio Lower Upper

165 100

63 2.9 52.7 79.1#

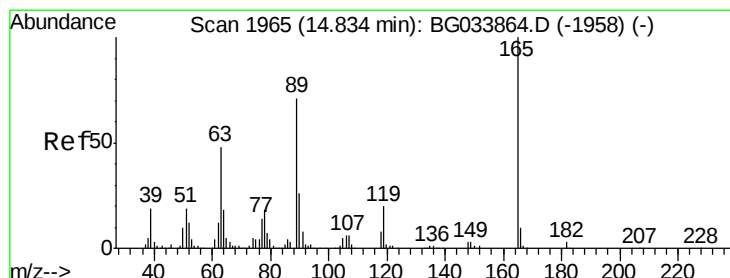
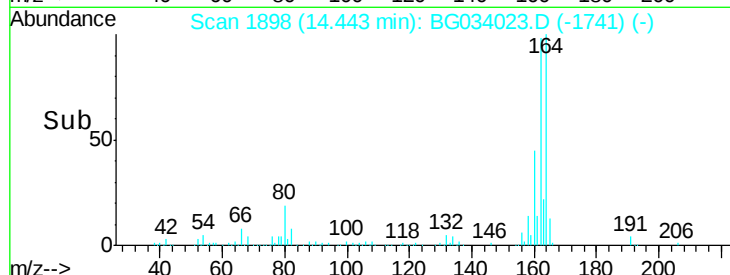
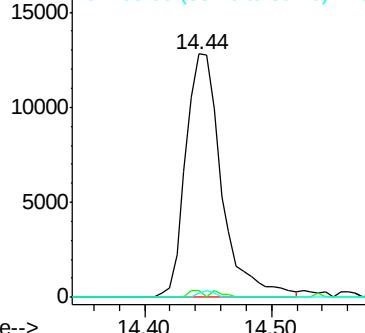
89 1.6 49.2 73.8#



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: 5.957 ng

RT: 14.44 min Scan# 1898

Delta R.T. -0.39 min

Lab File: BG034023.D

Acq: 26 Apr 2018 22:41

Tgt Ion:165 Resp: 25627

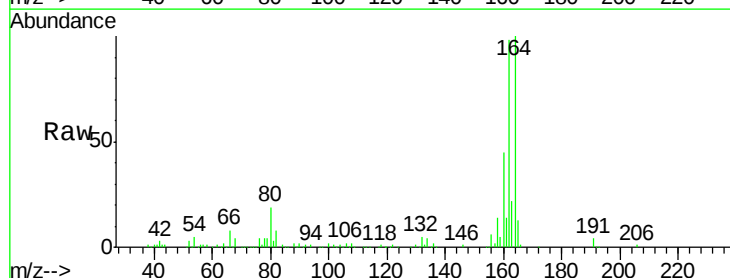
Ion Ratio Lower Upper

165 100

63 2.9 42.0 63.0#

89 1.6 66.9 100.3#

182 0.0 2.6 3.8#

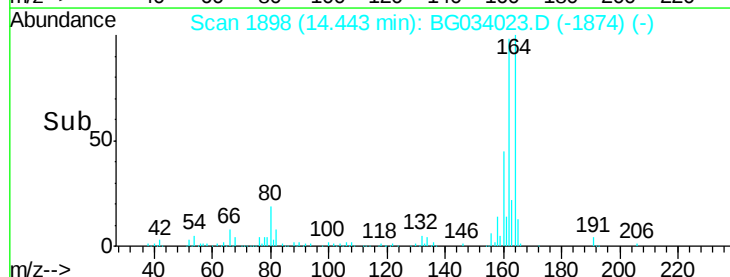
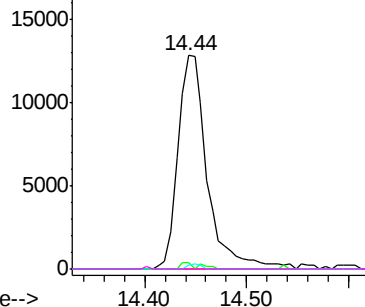


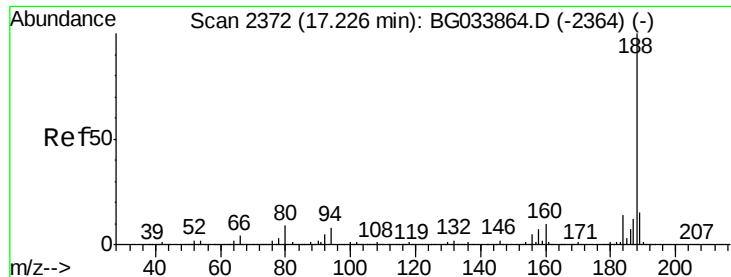
Abundance Ion 165.00 (164.70 to 165.70): E

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

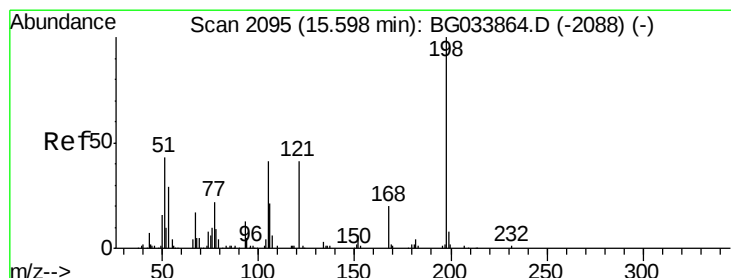
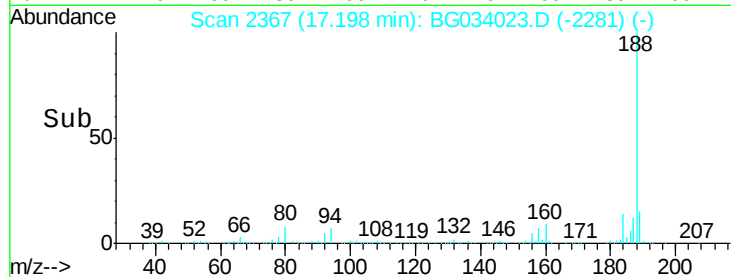
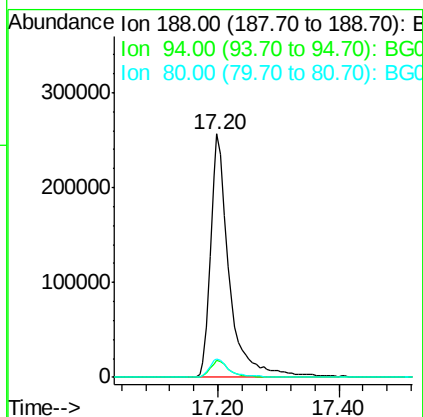
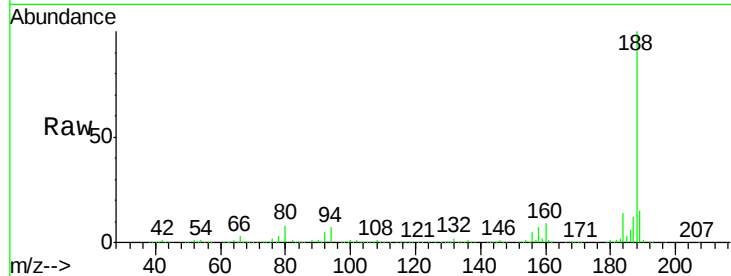




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.20 min Scan# 2367
 Delta R.T. -0.03 min
 Lab File: BG034023.D
 Acq: 26 Apr 2018 22:41

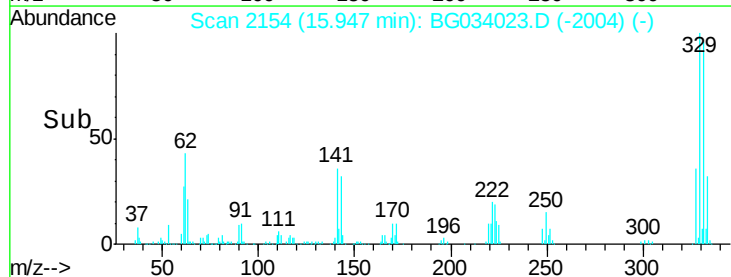
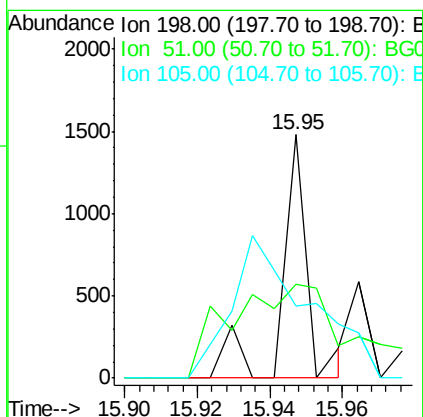
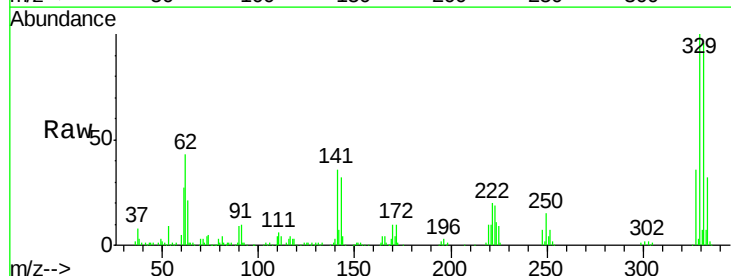
Instrument :
 BNA_G
 ClientSampleId :
 042418-DBRI-E-D-B

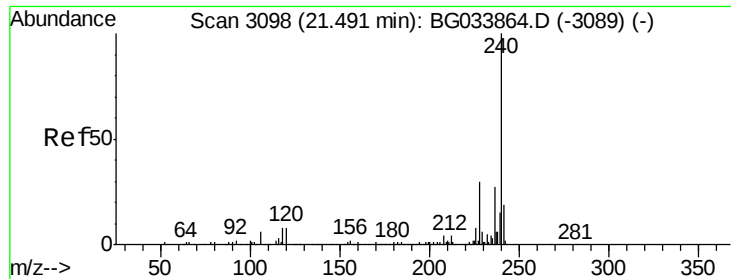
Tgt Ion:188 Resp: 549959
 Ion Ratio Lower Upper
 188 100
 94 6.7 6.9 10.3#
 80 7.8 7.7 11.5



#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.717 ng
 RT: 15.95 min Scan# 2154
 Delta R.T. 0.35 min
 Lab File: BG034023.D
 Acq: 26 Apr 2018 22:41

Tgt Ion:198 Resp: 699
 Ion Ratio Lower Upper
 198 100
 51 38.7 30.6 70.6
 105 29.8 23.8 63.8





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.45 min Scan# 3091

Delta R.T. -0.04 min

Lab File: BG034023.D

Acq: 26 Apr 2018 22:41

Instrument :

BNA_G

ClientSampleId :

042418-DBRI-E-D-B

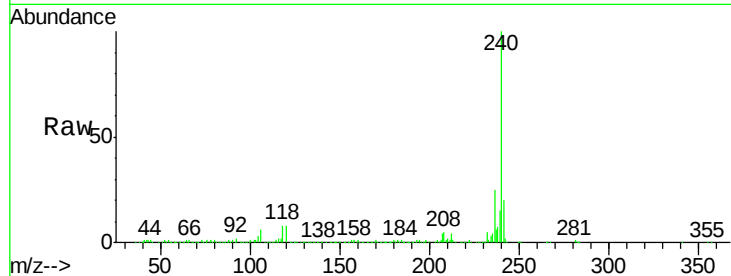
Tgt Ion:240 Resp: 588551

Ion Ratio Lower Upper

240 100

120 7.9 6.8 10.2

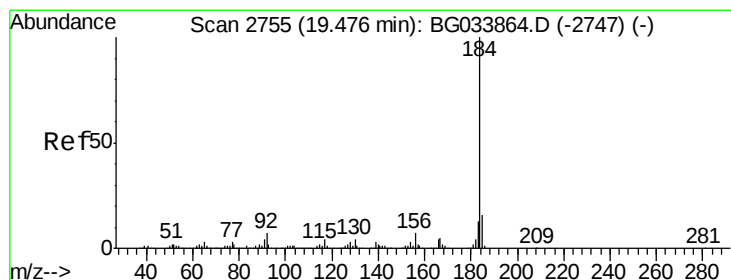
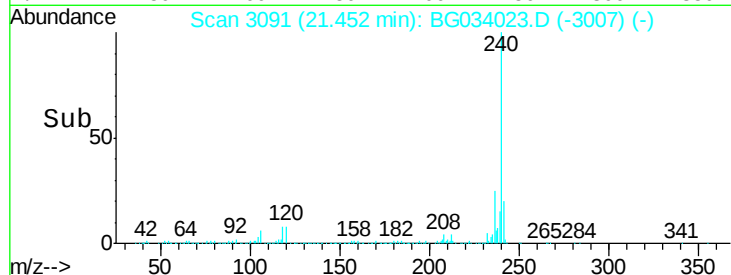
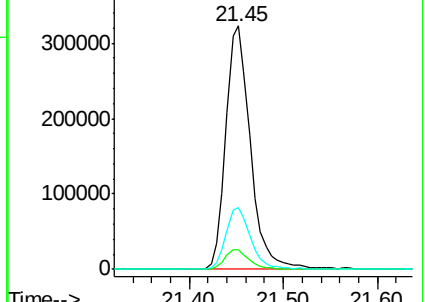
236 25.2 20.9 31.3



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: 2.343 ng

RT: 19.83 min Scan# 2815

Delta R.T. 0.35 min

Lab File: BG034023.D

Acq: 26 Apr 2018 22:41

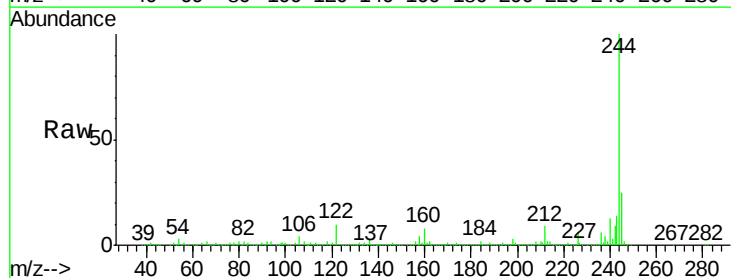
Tgt Ion:184 Resp: 37241

Ion Ratio Lower Upper

184 100

185 16.7 11.1 16.7#

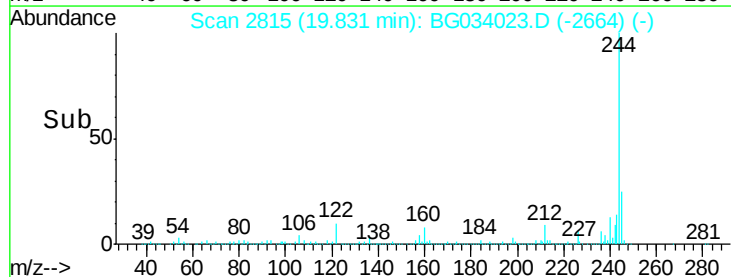
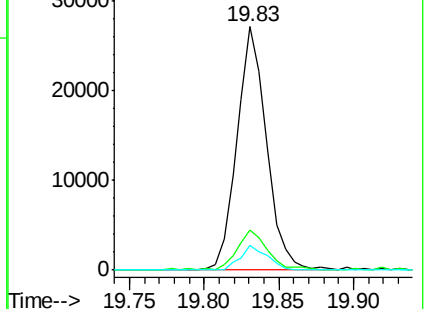
183 10.3 10.6 16.0#

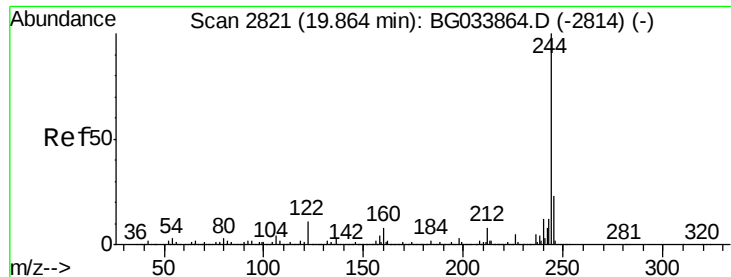


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 92.889 ng

RT: 19.83 min Scan# 2815

Delta R.T. -0.03 min

Lab File: BG034023.D

Acq: 26 Apr 2018 22:41

Instrument :

BNA_G

ClientSampleId :

042418-DBRI-E-D-B

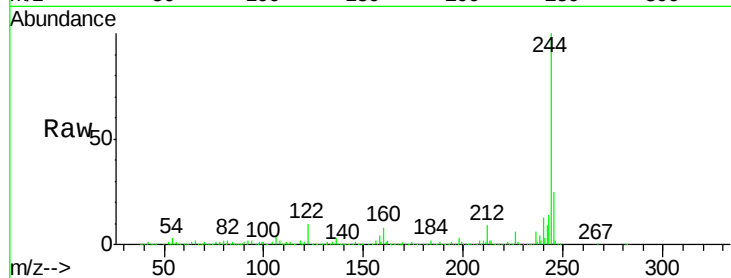
Tgt Ion:244 Resp: 2433439

Ion Ratio Lower Upper

244 100

212 9.0 5.8 8.8#

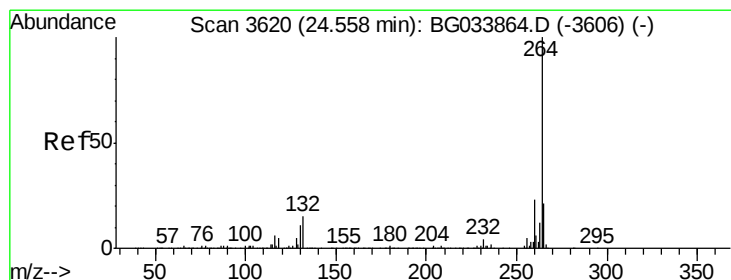
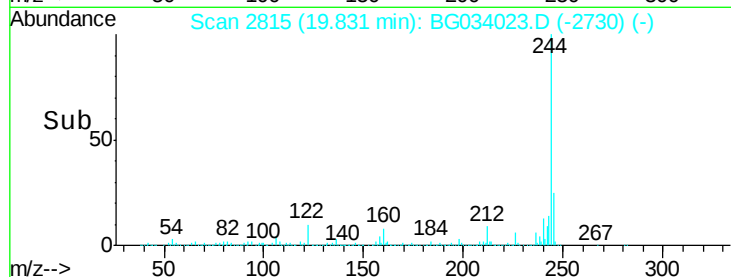
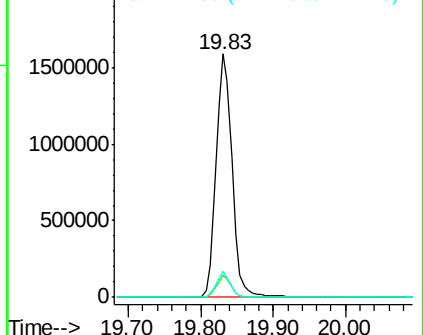
122 10.5 7.0 10.4#



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: 24.50 min Scan# 3609

Delta R.T. -0.06 min

Lab File: BG034023.D

Acq: 26 Apr 2018 22:41

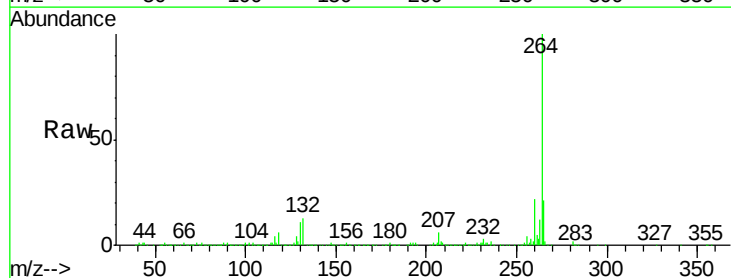
Tgt Ion:264 Resp: 589985

Ion Ratio Lower Upper

264 100

260 22.4 17.4 26.0

265 20.8 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

