

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG042618\
 Data File : BG034020.D
 Acq On : 26 Apr 2018 20:46
 Operator : SJ/JU
 Sample : J2531-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Apr 27 01:36:47 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

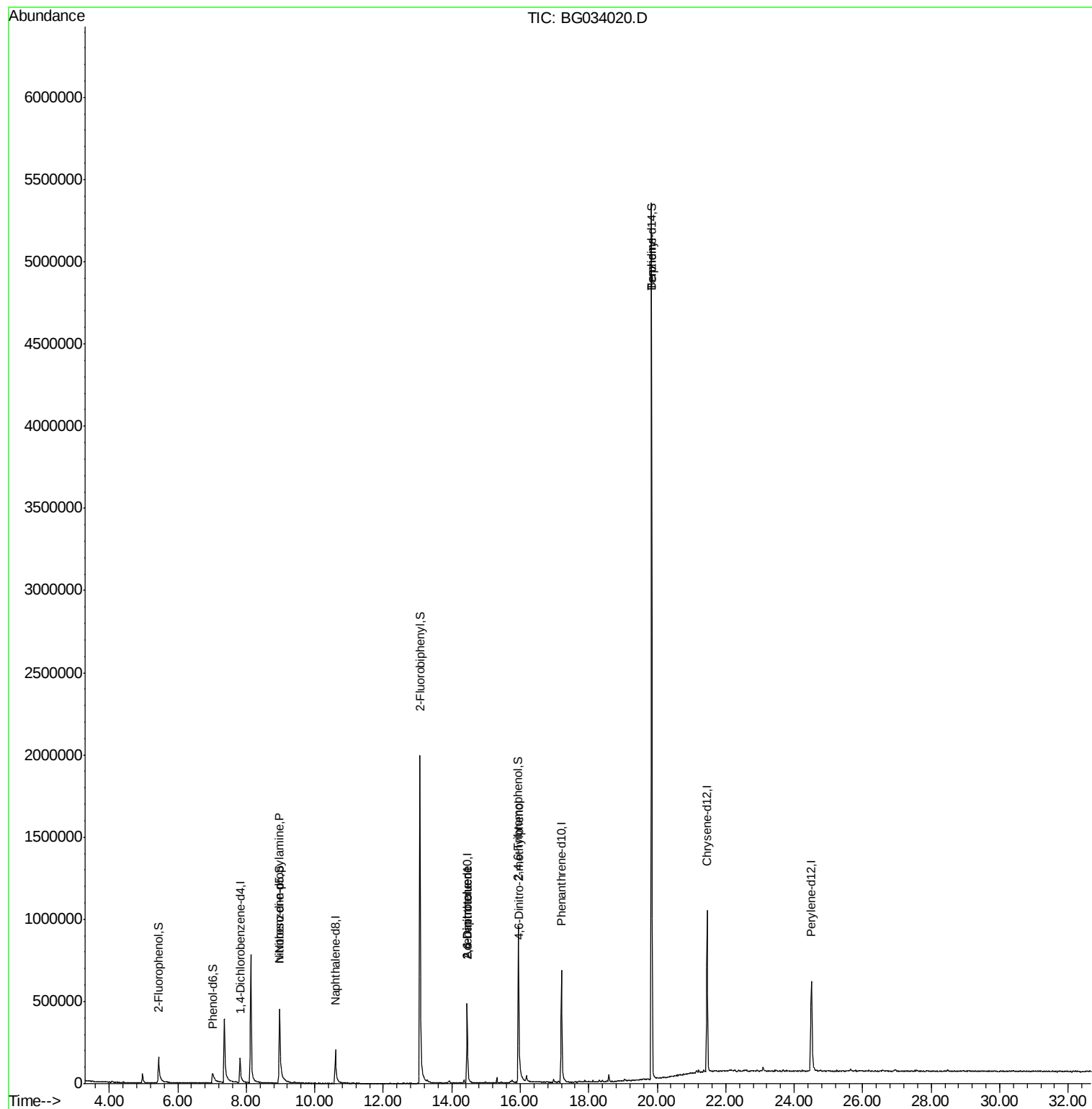
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	63716	20.00	ng	-0.02
21) Naphthalene-d8	10.60	136	287425	20.00	ng	-0.03
38) Acenaphthene-d10	14.44	164	212479	20.00	ng	-0.03
63) Phenanthrene-d10	17.20	188	580986	20.00	ng	-0.03
75) Chrysene-d12	21.45	240	637384	20.00	ng	-0.04
86) Perylene-d12	24.50	264	641816	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	147321	36.91	ng	0.00
7) Phenol-d6	7.01	99	105784	18.17	ng	0.00
23) Nitrobenzene-d5	8.97	82	456422	90.37	ng	-0.02
41) 2,4,6-Tribromophenol	15.94	330	280706	113.24	ng	-0.03
44) 2-Fluorobiphenyl	13.07	172	1449673	100.23	ng	-0.03
78) Terphenyl-d14	19.83	244	2555864	90.09	ng	-0.03
Target Compounds						
9) Benzaldehyde	7.02	77	63	Below Cal		Qvalue # 5
19) n-Nitroso-di-n-propylamine	8.97	70	57467	11.582	ng	# 78
50) 2,6-Dinitrotoluene	14.44	165	27534	7.773	ng	# 21
56) 2,4-Dinitrotoluene	14.44	165	27821	5.907	ng	# 19
64) 4,6-Dinitro-2-methylphenol	15.96	198	215	6.556	ng	# 87
76) Benzidine	19.83	184	40513	2.354	ng	# 89

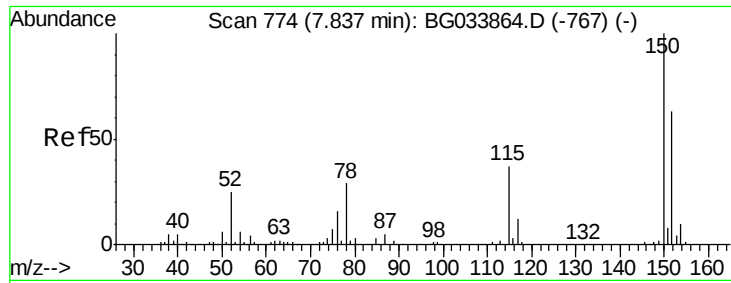
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
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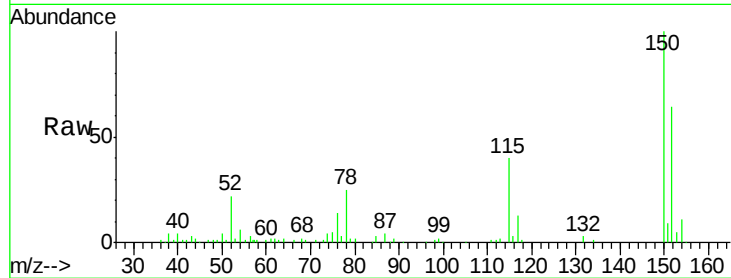




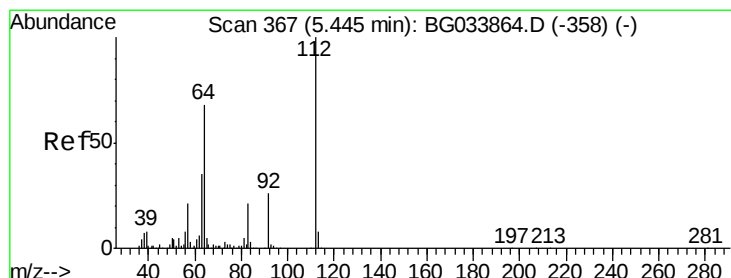
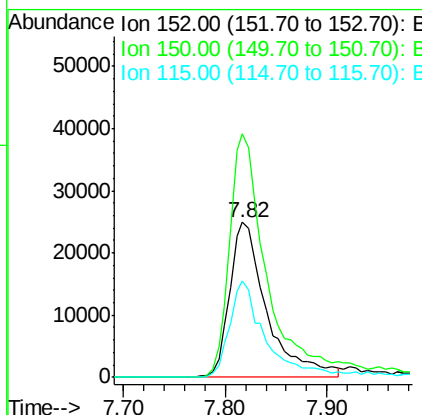
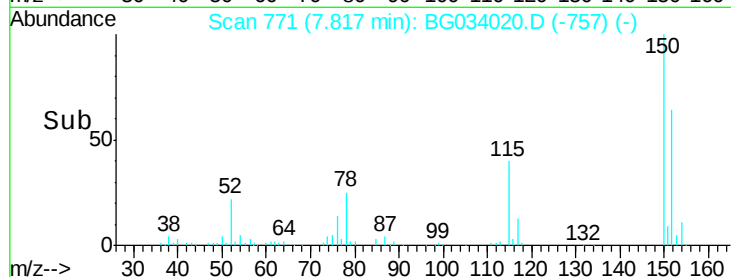
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.82 min Scan# 771
 Delta R.T. -0.02 min
 Lab File: BG034020.D
 Acq: 26 Apr 2018 20:46

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

Tgt Ion:152 Resp: 63716
 Ion Ratio Lower Upper
 152 100
 150 157.1 126.6 189.8
 115 62.1 53.0 79.4

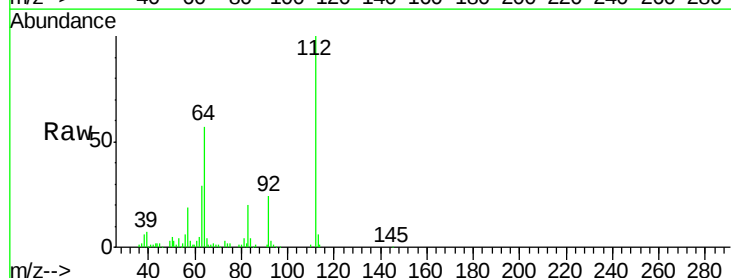


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

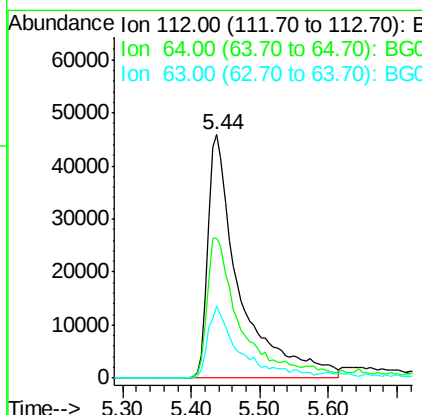
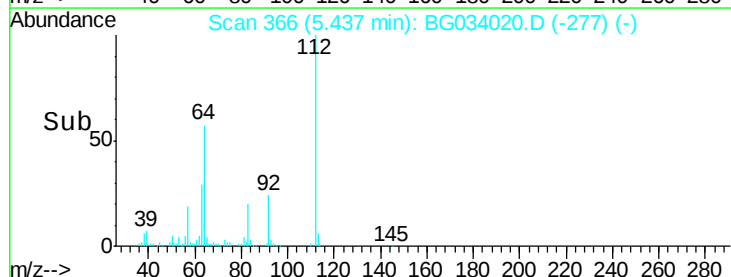


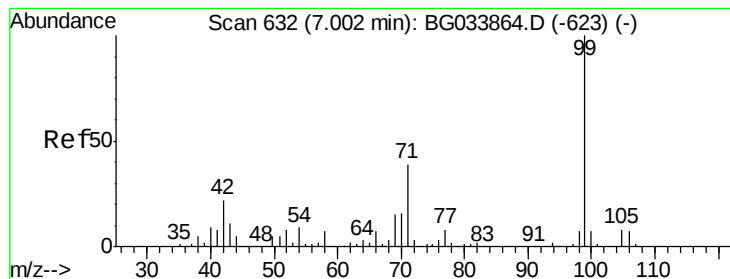
#5
 2-Fluorophenol
 Concen: 36.914 ng
 RT: 5.44 min Scan# 366
 Delta R.T. -0.01 min
 Lab File: BG034020.D
 Acq: 26 Apr 2018 20:46

Tgt Ion:112 Resp: 147321
 Ion Ratio Lower Upper
 112 100
 64 57.4 56.3 84.5
 63 29.4 30.1 45.1#



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BGC
 Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 18.173 ng

RT: 7.01 min Scan# 634

Delta R.T. 0.01 min

Lab File: BG034020.D

Acq: 26 Apr 2018 20:46

Instrument :

BNA_G

ClientSampleId :

042318-DBRI-E-U-S

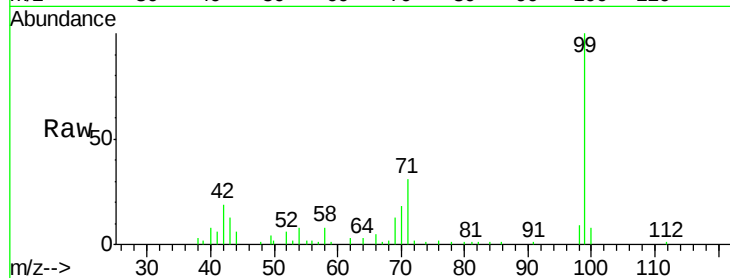
Tgt Ion: 99 Resp: 105784

Ion Ratio Lower Upper

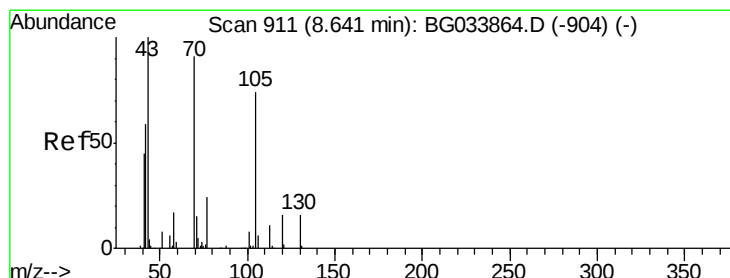
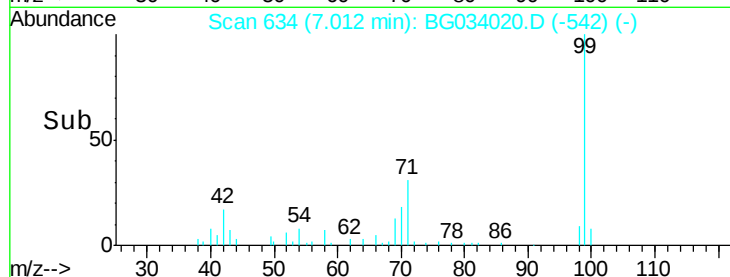
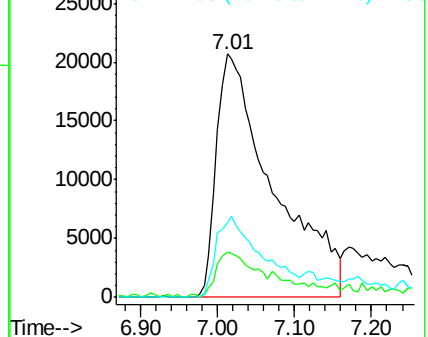
99 100

42 18.7 14.1 21.1

71 30.8 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: 11.582 ng

RT: 8.97 min Scan# 967

Delta R.T. 0.33 min

Lab File: BG034020.D

Acq: 26 Apr 2018 20:46

Tgt Ion: 70 Resp: 57467

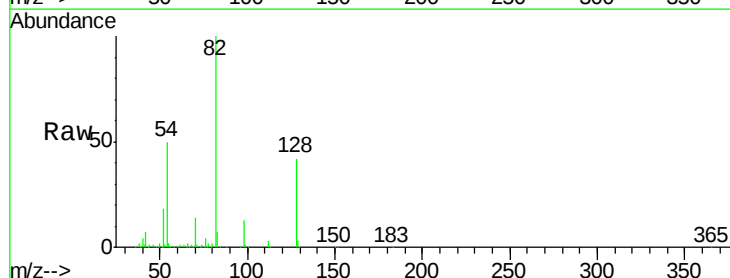
Ion Ratio Lower Upper

70 100

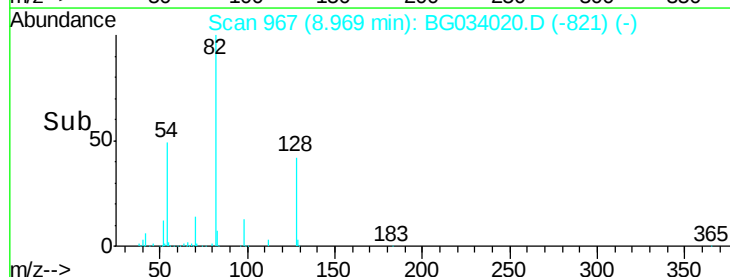
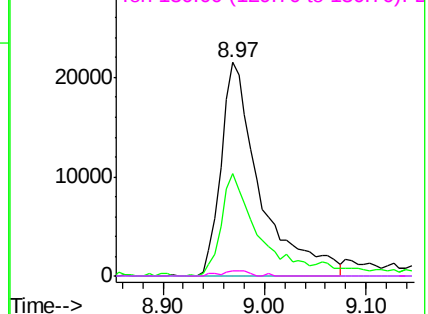
42 47.8 49.1 73.7#

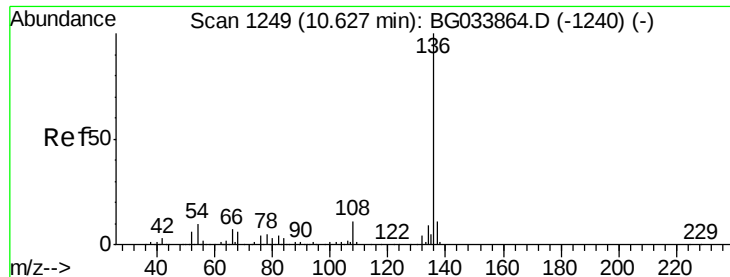
101 0.0 8.5 12.7#

130 2.4 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

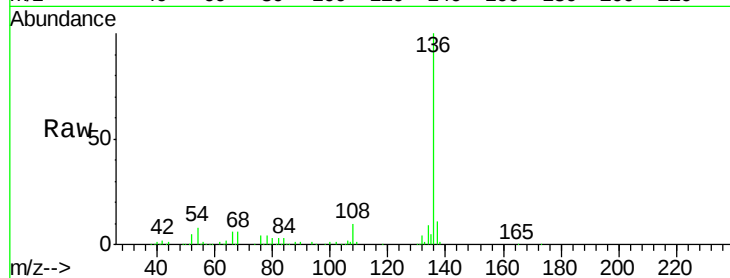




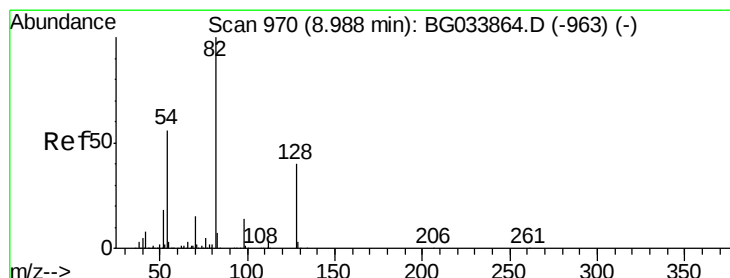
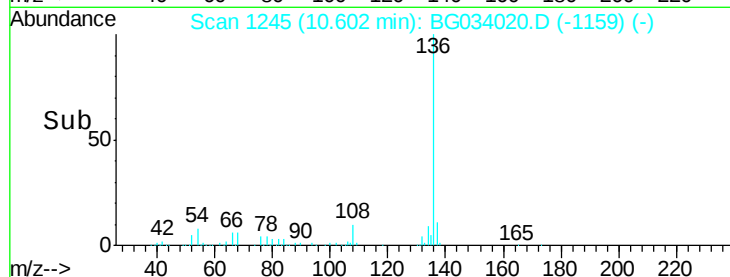
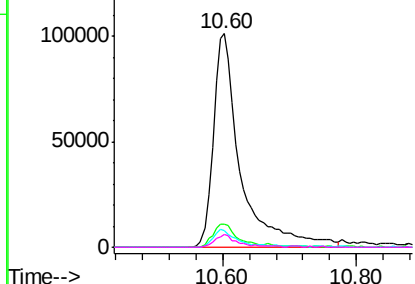
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.60 min Scan# 1245
Delta R.T. -0.03 min
Lab File: BG034020.D
Acq: 26 Apr 2018 20:46

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

Tgt Ion:	136	Resp:	287425
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.2	13.8
54	7.9	10.3	15.5#
68	5.8	4.5	6.7

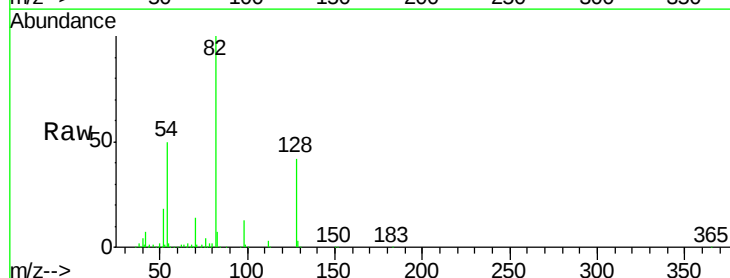


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

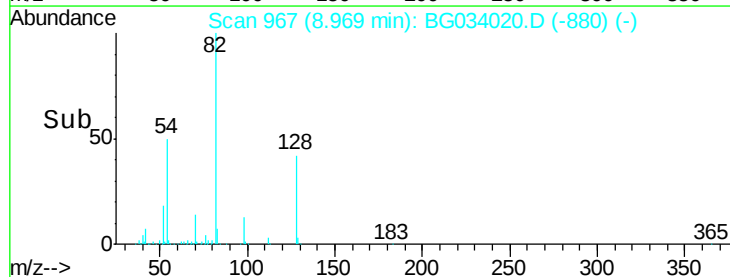
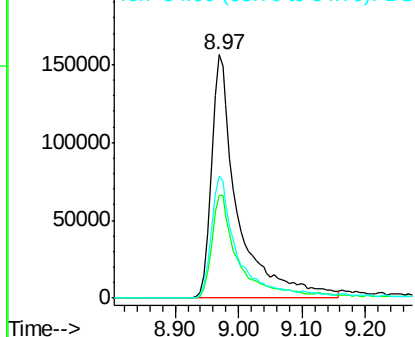


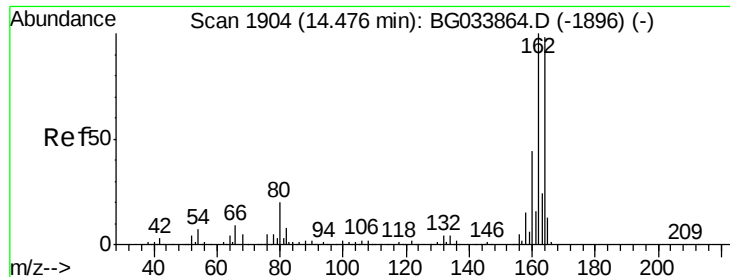
#23
Nitrobenzene-d5
Concen: 90.371 ng
RT: 8.97 min Scan# 967
Delta R.T. -0.02 min
Lab File: BG034020.D
Acq: 26 Apr 2018 20:46

Tgt Ion:	82	Resp:	456422
Ion	Ratio	Lower	Upper
82	100		
128	42.2	29.7	44.5
54	50.3	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: BG034020.D

Acq: 26 Apr 2018 20:46

Instrument :

BNA_G

ClientSampleId :

042318-DBRI-E-U-S

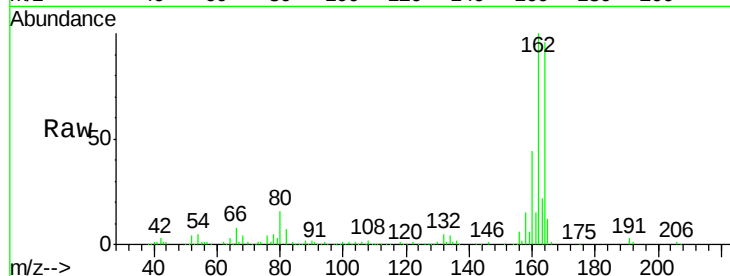
Tgt Ion:164 Resp: 212479

Ion Ratio Lower Upper

164 100

162 104.2 78.8 118.2

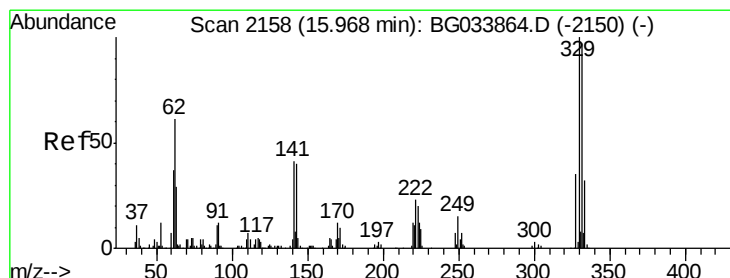
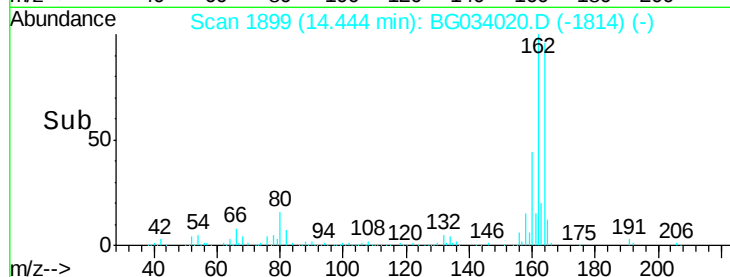
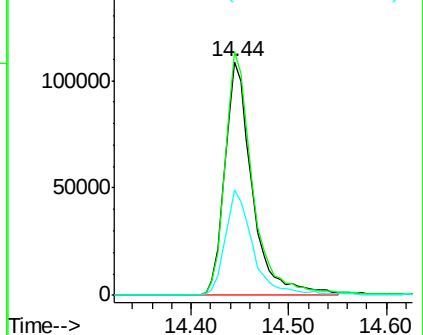
160 45.4 35.4 53.0



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: 113.238 ng

RT: 15.94 min Scan# 2154

Delta R.T. -0.03 min

Lab File: BG034020.D

Acq: 26 Apr 2018 20:46

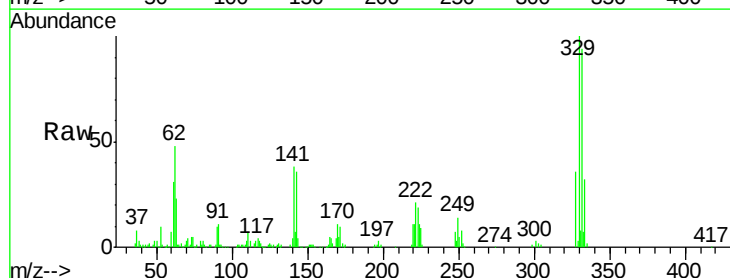
Tgt Ion:330 Resp: 280706

Ion Ratio Lower Upper

330 100

332 94.2 77.0 115.6

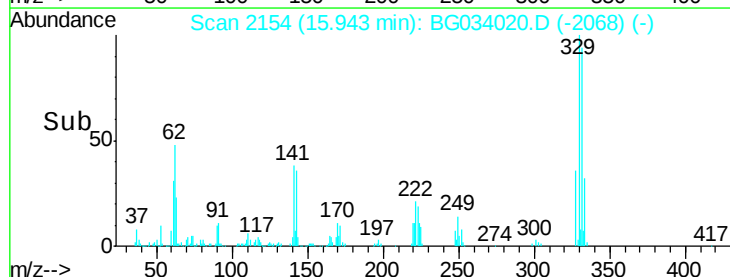
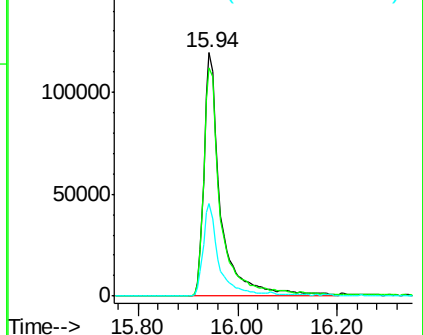
141 35.3 25.2 37.8

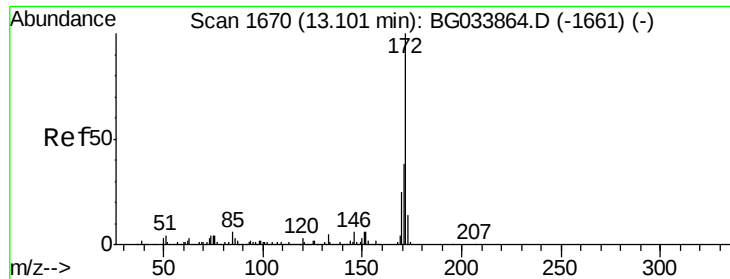


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

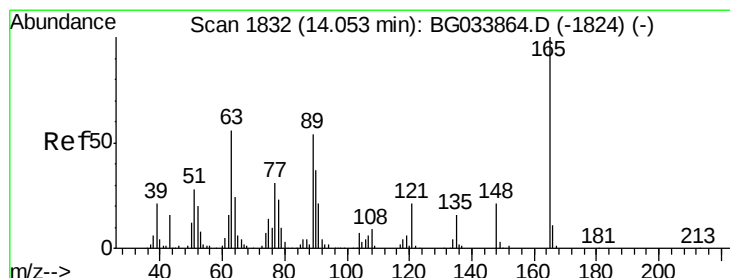
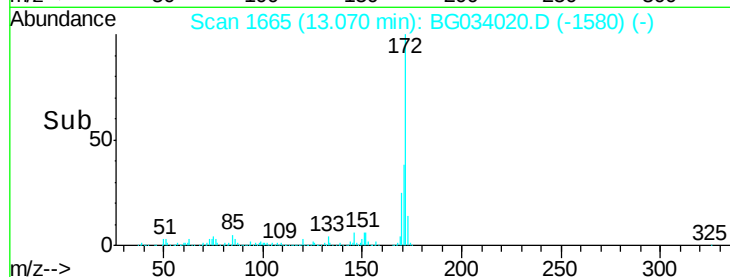
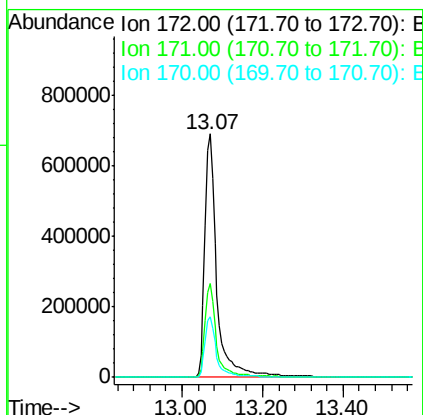
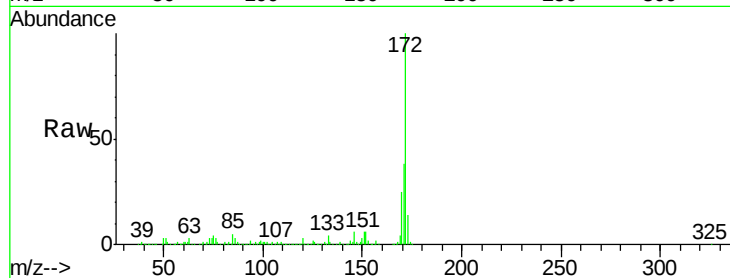




#44
 2-Fluorobiphenyl
 Concen: 100.227 ng
 RT: 13.07 min Scan# 1665
 Delta R.T. -0.03 min
 Lab File: BG034020.D
 Acq: 26 Apr 2018 20:46

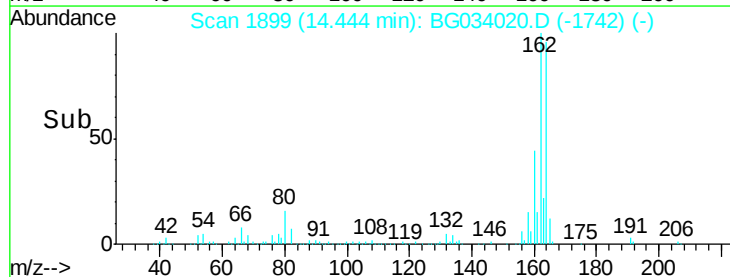
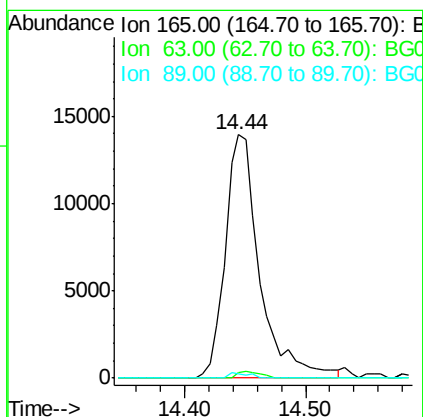
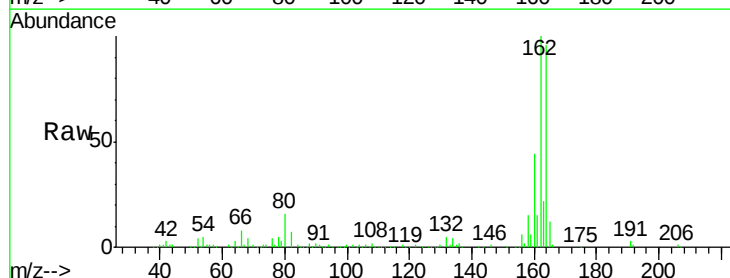
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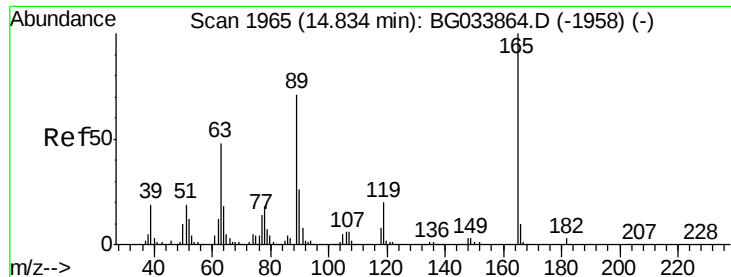
Tgt Ion:172 Resp: 1449673
 Ion Ratio Lower Upper
 172 100
 171 38.4 30.0 45.0
 170 25.1 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.773 ng
 RT: 14.44 min Scan# 1899
 Delta R.T. 0.39 min
 Lab File: BG034020.D
 Acq: 26 Apr 2018 20:46

Tgt Ion:165 Resp: 27534
 Ion Ratio Lower Upper
 165 100
 63 2.2 52.7 79.1#
 89 1.9 49.2 73.8#

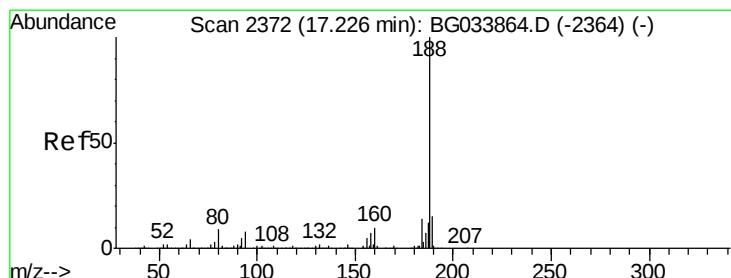
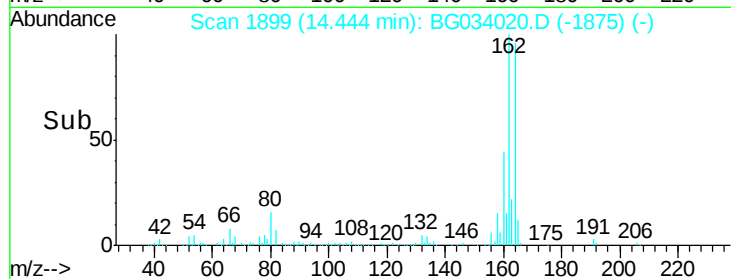
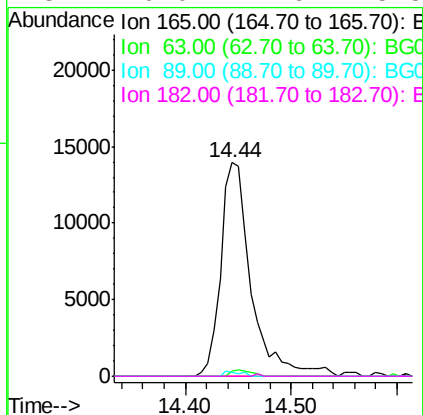
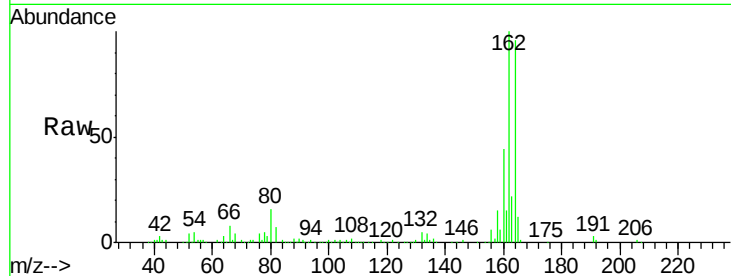




#56
 2,4-Dinitrotoluene
 Concen: 5.907 ng
 RT: 14.44 min Scan# 1899
 Delta R.T. -0.39 min
 Lab File: BG034020.D
 Acq: 26 Apr 2018 20:46

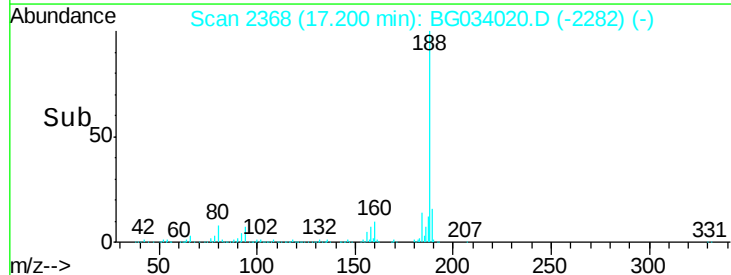
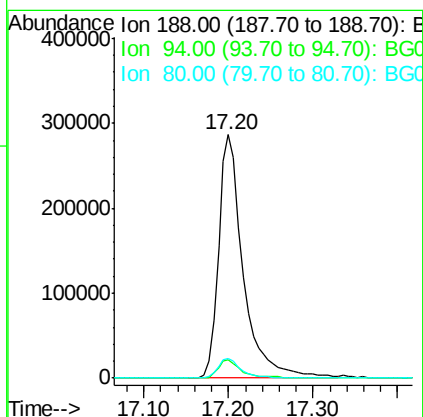
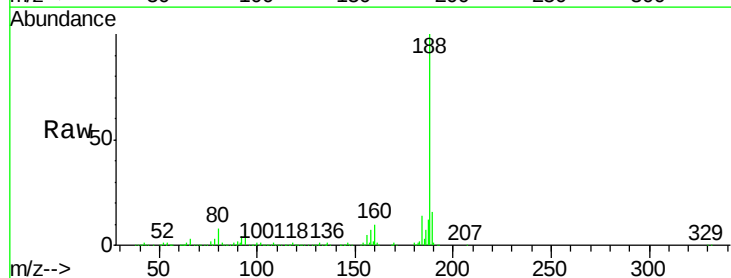
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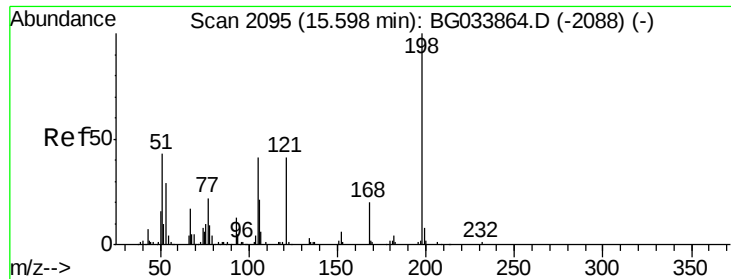
Tgt Ion:165 Resp: 27821
 Ion Ratio Lower Upper
 165 100
 63 2.2 42.0 63.0#
 89 1.9 66.9 100.3#
 182 0.0 2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.20 min Scan# 2368
 Delta R.T. -0.03 min
 Lab File: BG034020.D
 Acq: 26 Apr 2018 20:46

Tgt Ion:188 Resp: 580986
 Ion Ratio Lower Upper
 188 100
 94 7.4 6.9 10.3
 80 8.3 7.7 11.5

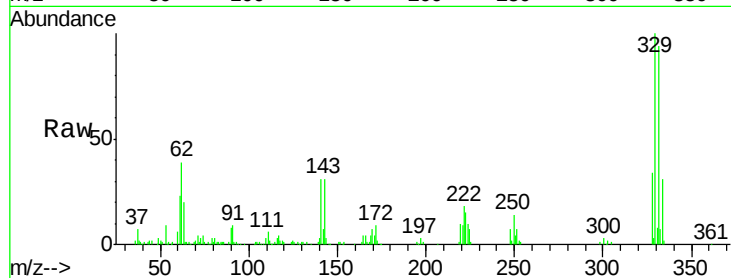




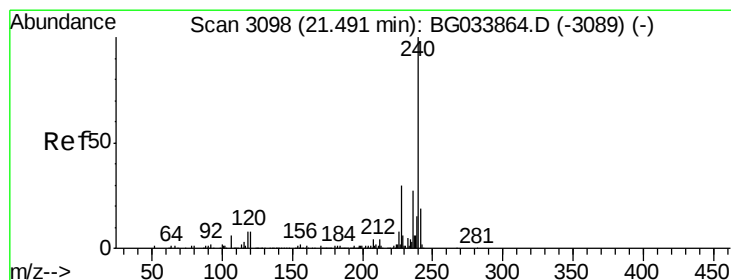
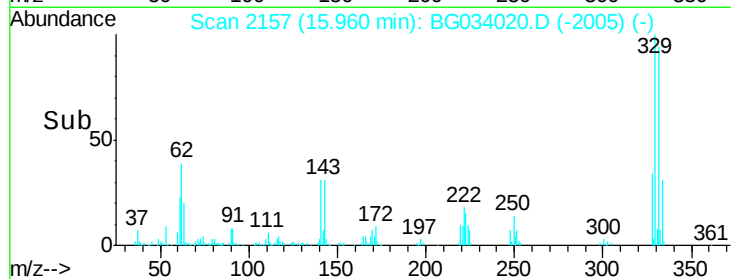
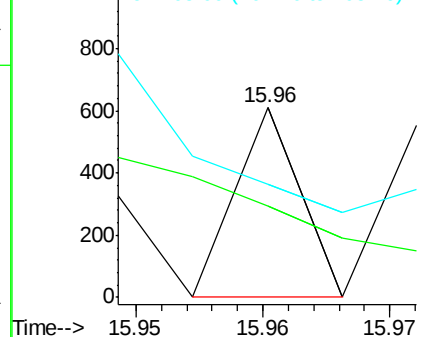
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.556 ng
 RT: 15.96 min Scan# 2157
 Delta R.T. 0.36 min
 Lab File: BG034020.D
 Acq: 26 Apr 2018 20:46

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

Tgt Ion:198 Resp: 215
 Ion Ratio Lower Upper
 198 100
 51 48.1 30.6 70.6
 105 59.6 23.8 63.8

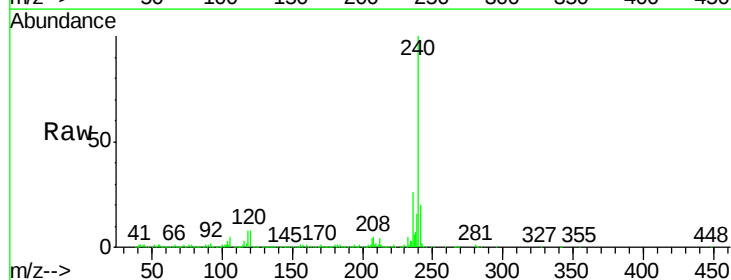


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

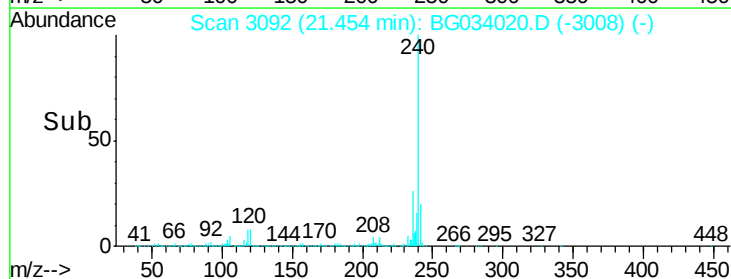
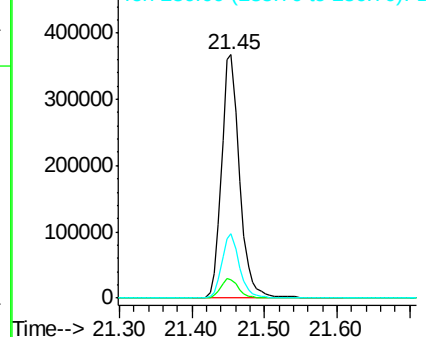


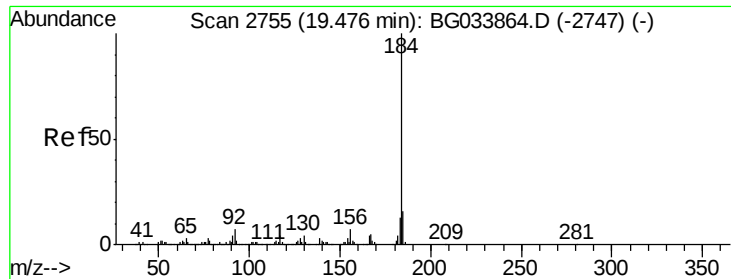
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.45 min Scan# 3092
 Delta R.T. -0.04 min
 Lab File: BG034020.D
 Acq: 26 Apr 2018 20:46

Tgt Ion:240 Resp: 637384
 Ion Ratio Lower Upper
 240 100
 120 7.7 6.8 10.2
 236 26.2 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

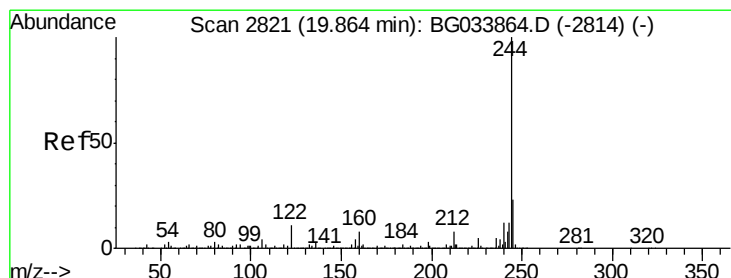
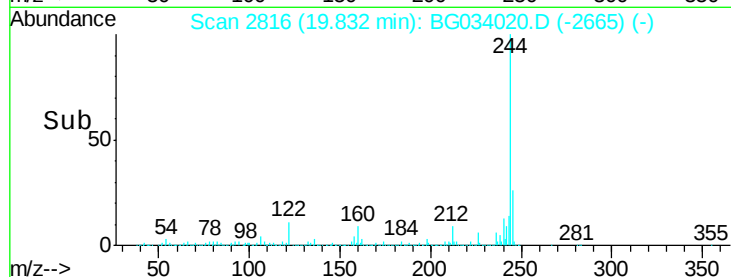
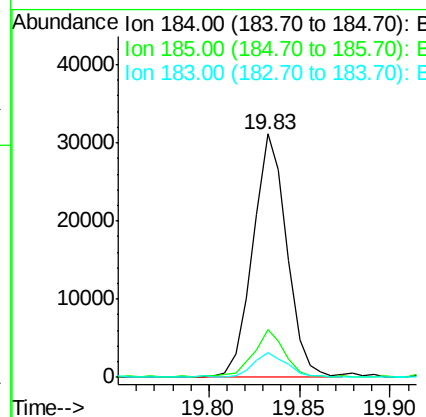
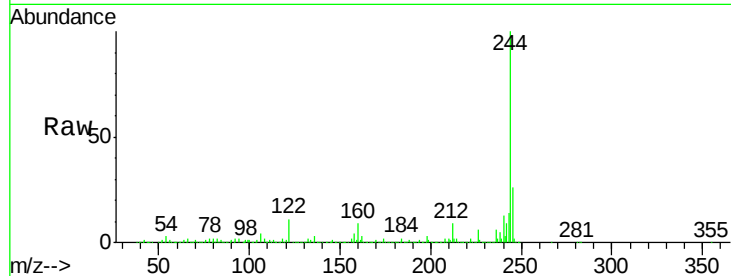




#76
Benzidine
Concen: 2.354 ng
RT: 19.83 min Scan# 2816
Delta R.T. 0.36 min
Lab File: BG034020.D
Acq: 26 Apr 2018 20:46

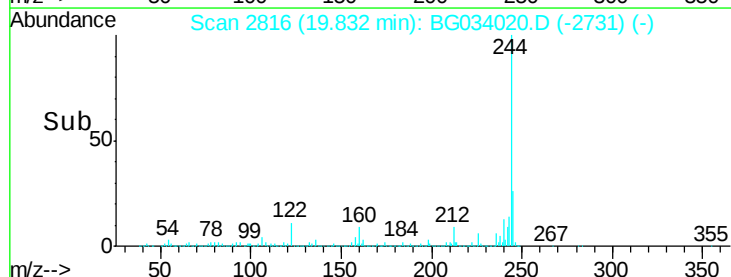
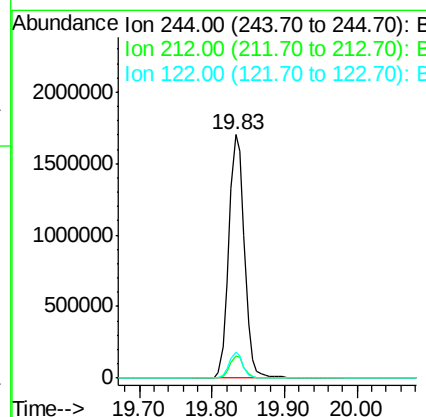
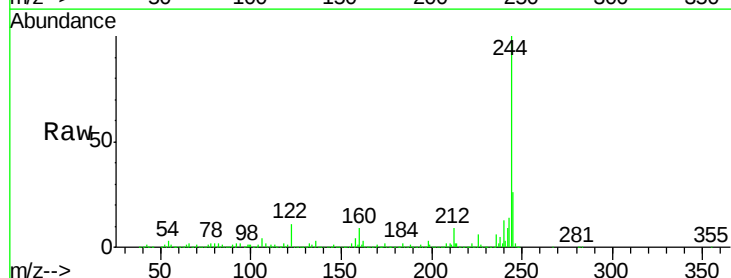
Instrument :
BNA_G
ClientSampleId :
042318-DBRI-E-U-S

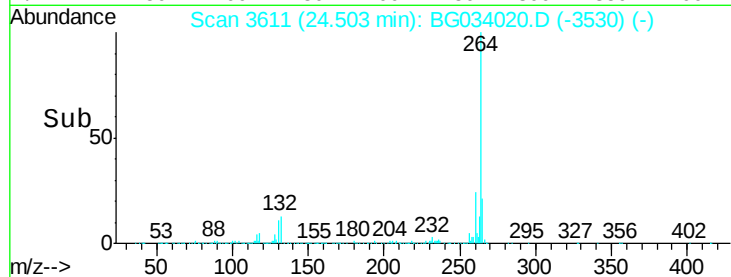
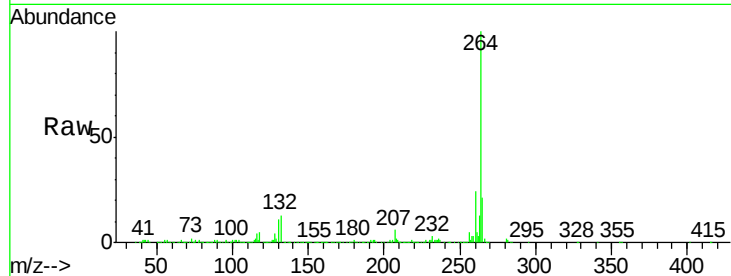
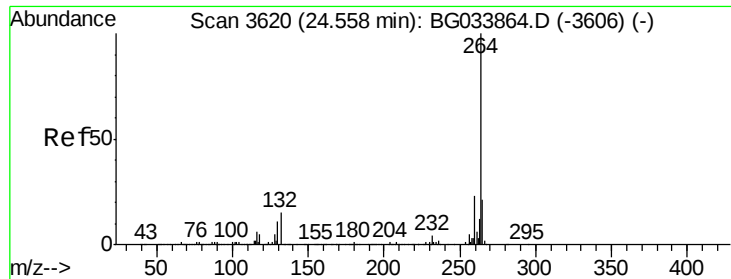
Tgt Ion:184 Resp: 40513
Ion Ratio Lower Upper
184 100
185 19.8 11.1 16.7#
183 10.2 10.6 16.0#



#78
Terphenyl-d14
Concen: 90.088 ng
RT: 19.83 min Scan# 2816
Delta R.T. -0.03 min
Lab File: BG034020.D
Acq: 26 Apr 2018 20:46

Tgt Ion:244 Resp: 2555864
Ion Ratio Lower Upper
244 100
212 9.4 5.8 8.8#
122 10.9 7.0 10.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.50 min Scan# 3611

Delta R.T. -0.05 min

Lab File: BG034020.D

Acq: 26 Apr 2018 20:46

Instrument :

BNA_G

ClientSampleId :

042318-DBRI-E-U-S

Tgt Ion: 264 Resp: 641816

Ion Ratio Lower Upper

264 100

260 23.5 17.4 26.0

265 21.2 17.7 26.5

