

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG042618\
 Data File : BG034028.D
 Acq On : 27 Apr 2018 1:51
 Operator : SJ/JU
 Sample : J2571-06
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 042418-DBRI-E-U-S

Quant Time: Apr 27 06:07:17 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

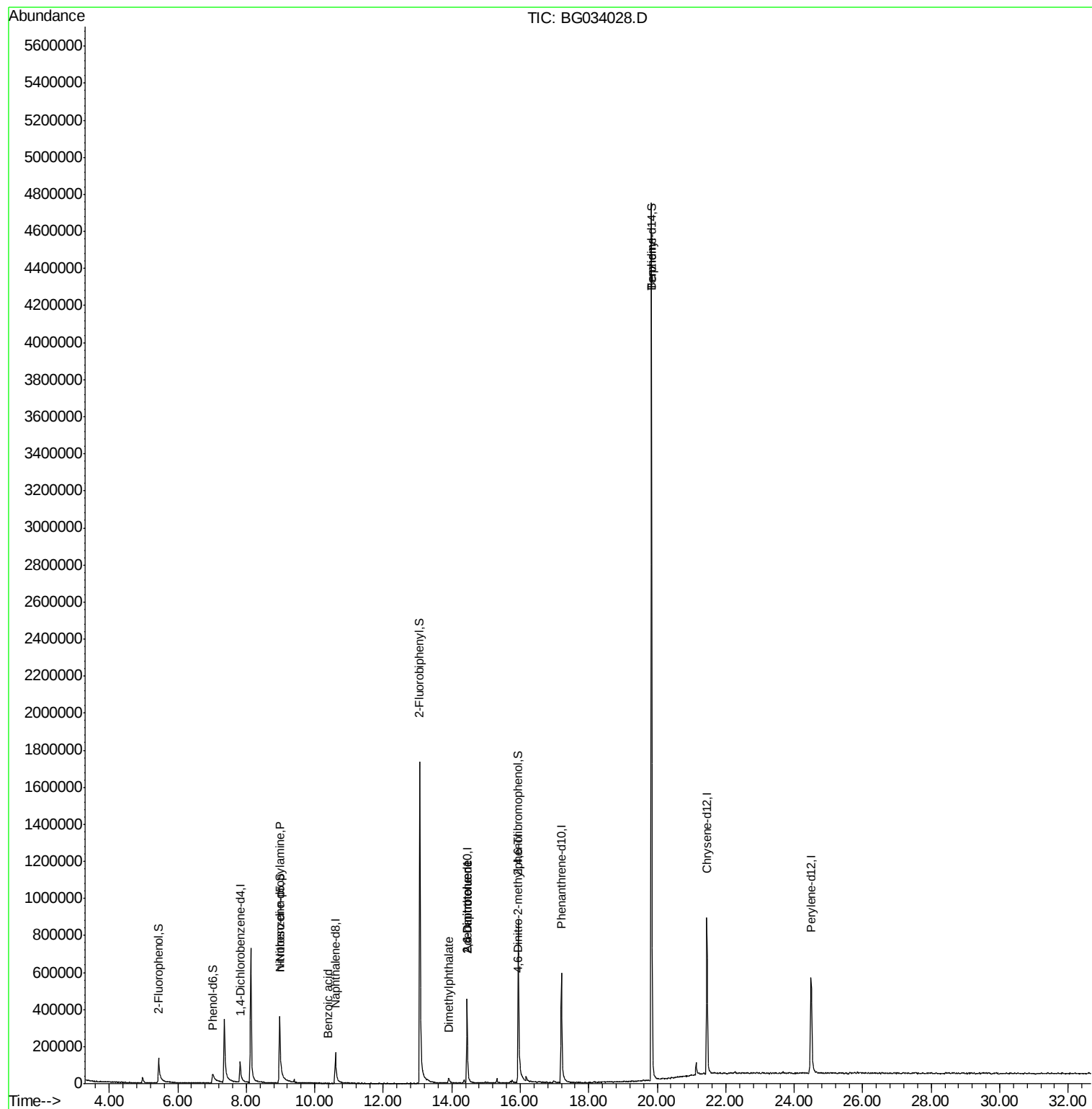
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	55870	20.00	ng	-0.01
21) Naphthalene-d8	10.60	136	258750	20.00	ng	-0.03
38) Acenaphthene-d10	14.44	164	199620	20.00	ng	-0.03
63) Phenanthrene-d10	17.20	188	567493	20.00	ng	-0.03
75) Chrysene-d12	21.45	240	621874	20.00	ng	-0.04
86) Perylene-d12	24.49	264	622504	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	139729	39.93	ng	0.00
7) Phenol-d6	7.01	99	93567	18.33	ng	0.01
23) Nitrobenzene-d5	8.97	82	394178	86.70	ng	-0.01
41) 2,4,6-Tribromophenol	15.94	330	254125	109.12	ng	-0.03
44) 2-Fluorobiphenyl	13.06	172	1338338	98.49	ng	-0.04
78) Terphenyl-d14	19.83	244	2539667	91.75	ng	-0.03
Target Compounds						
9) Benzaldehyde	7.02	77	62	Below Cal	Qvalue	# 5
19) n-Nitroso-di-n-propylamine	8.97	70	50367	11.576 ng	#	71
32) Benzoic acid	10.38	122	66	5.100 ng	#	1
49) Dimethylphthalate	13.91	163	35846	2.041 ng		96
50) 2,6-Dinitrotoluene	14.44	165	25306	7.605 ng	#	20
56) 2,4-Dinitrotoluene	14.44	165	25412	5.743 ng	#	18
64) 4,6-Dinitro-2-methylphenol	15.92	198	119	6.527 ng	#	29
76) Benzydine	19.83	184	38666	2.303 ng		96

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

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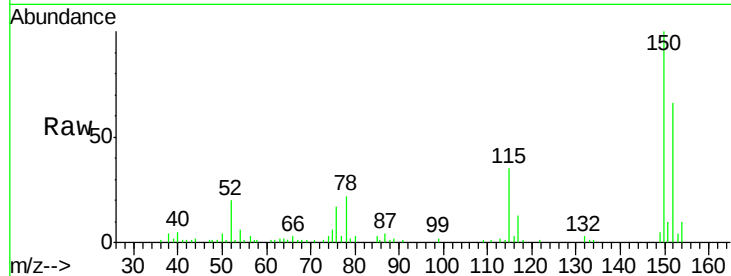


#1

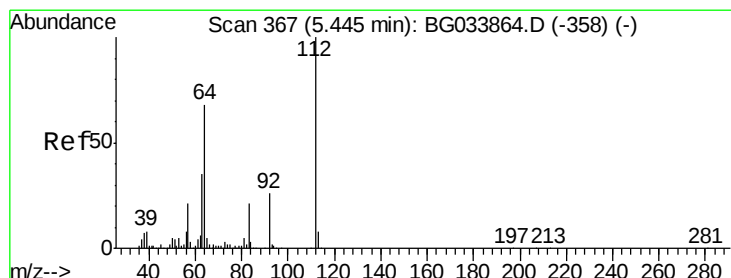
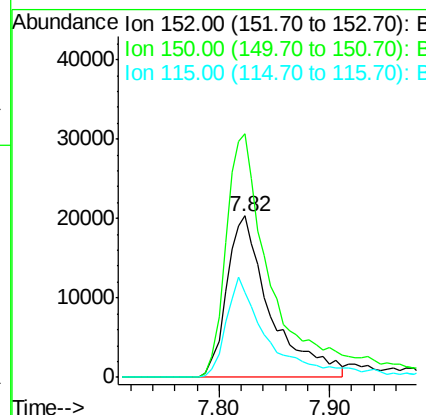
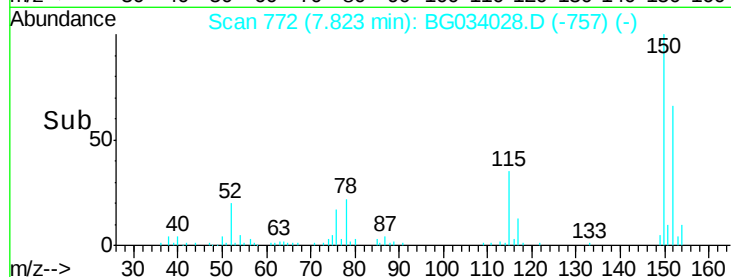
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.82 min Scan# 772
 Delta R.T. -0.01 min
 Lab File: BG034028.D
 Acq: 27 Apr 2018 1:51

Instrument :
 BNA_G
 ClientSampleId :
 042418-DBRI-E-U-S

Tgt Ion:152 Resp: 55870
 Ion Ratio Lower Upper
 152 100
 150 150.9 126.6 189.8
 115 52.7 53.0 79.4#



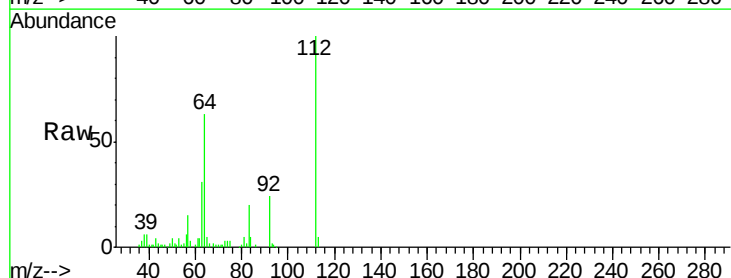
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



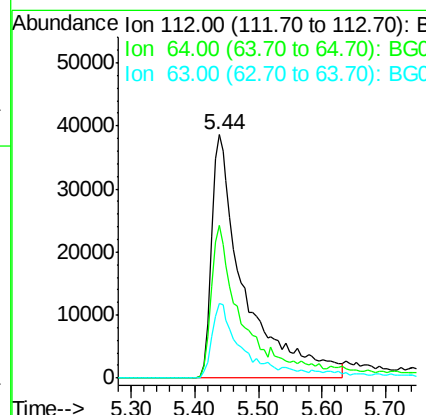
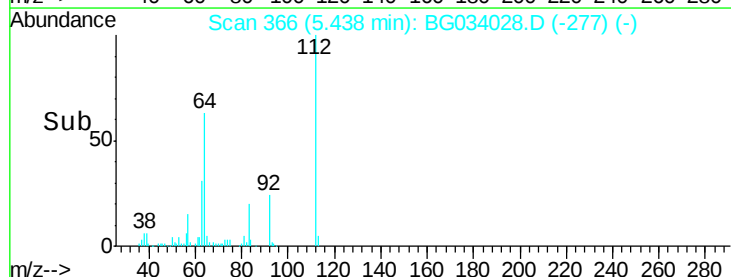
#5

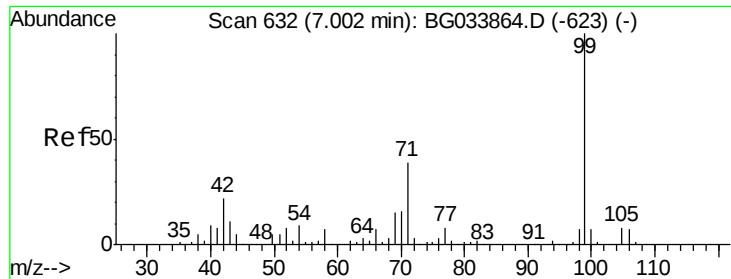
2-Fluorophenol
 Concen: 39.929 ng
 RT: 5.44 min Scan# 366
 Delta R.T. -0.01 min
 Lab File: BG034028.D
 Acq: 27 Apr 2018 1:51

Tgt Ion:112 Resp: 139729
 Ion Ratio Lower Upper
 112 100
 64 63.0 56.3 84.5
 63 30.7 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: 18.332 ng

RT: 7.01 min Scan# 634

Delta R.T. 0.01 min

Lab File: BG034028.D

Acq: 27 Apr 2018 1:51

Instrument :

BNA_G

ClientSampleId :

042418-DBRI-E-U-S

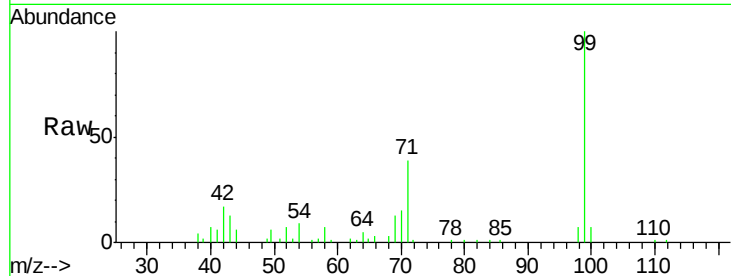
Tgt Ion: 99 Resp: 93567

Ion Ratio Lower Upper

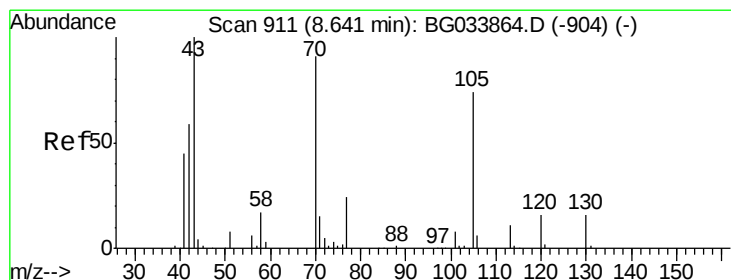
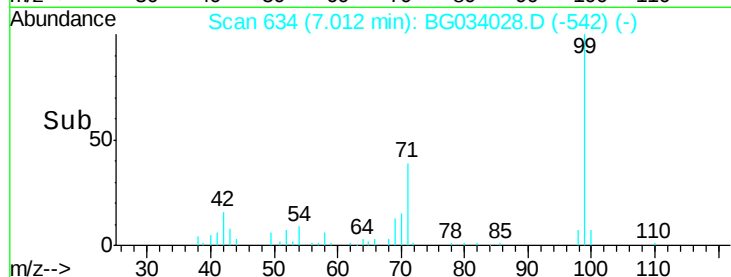
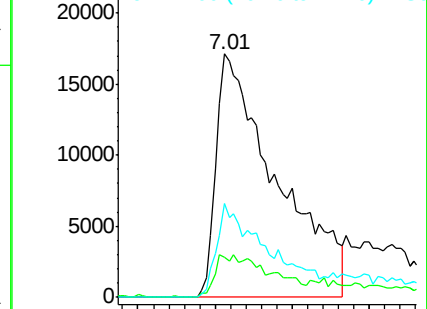
99 100

42 16.7 14.1 21.1

71 38.5 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: 11.576 ng

RT: 8.97 min Scan# 967

Delta R.T. 0.33 min

Lab File: BG034028.D

Acq: 27 Apr 2018 1:51

Tgt Ion: 70 Resp: 50367

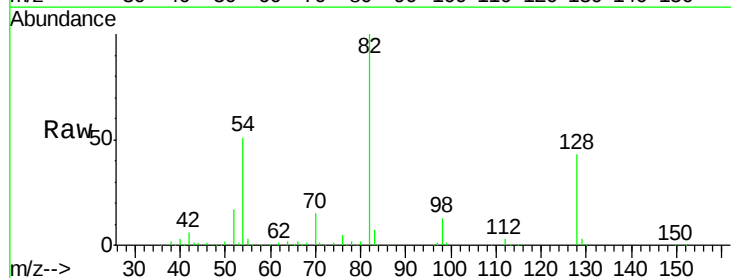
Ion Ratio Lower Upper

70 100

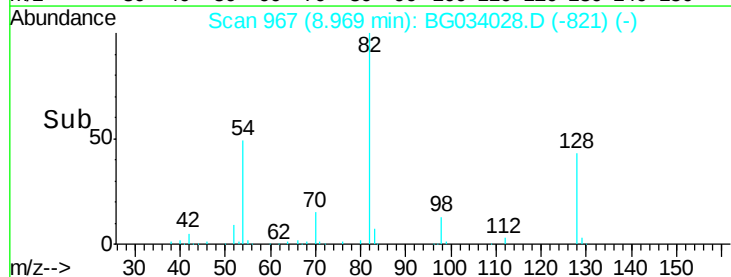
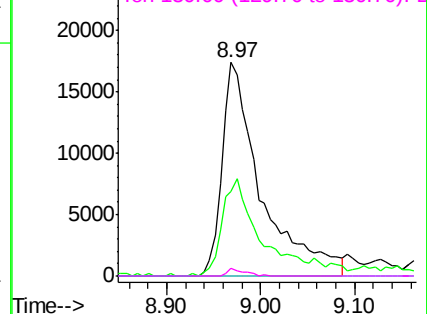
42 39.4 49.1 73.7#

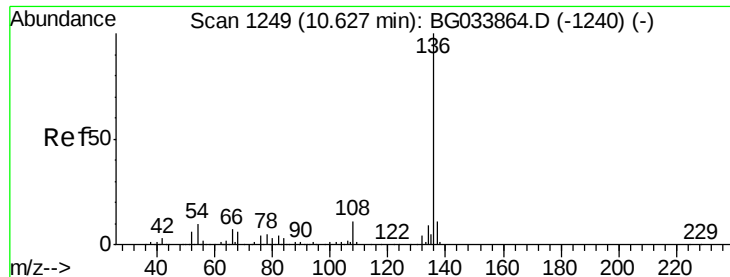
101 0.0 8.5 12.7#

130 3.3 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

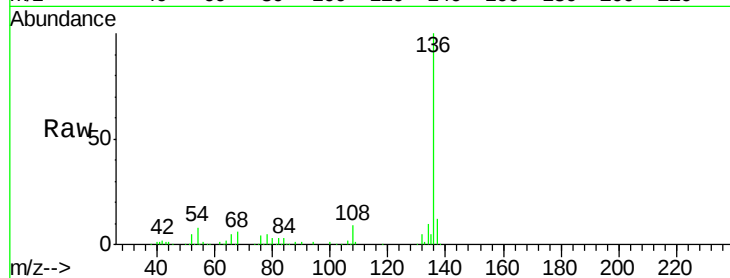




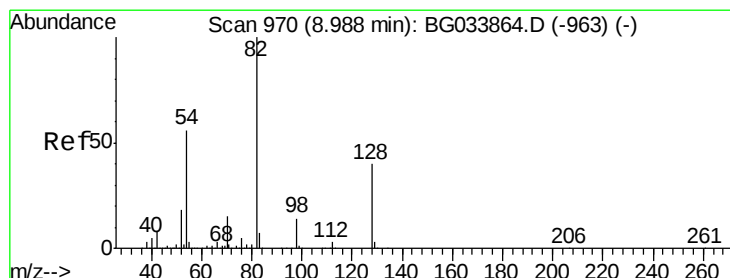
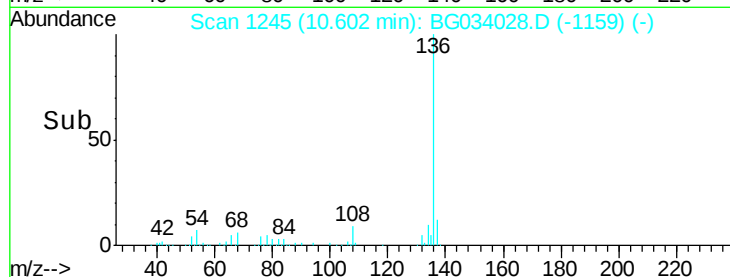
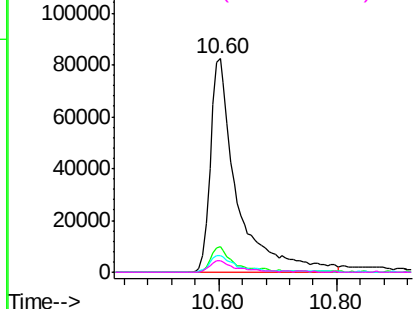
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.60 min Scan# 1245
Delta R.T. -0.03 min
Lab File: BG034028.D
Acq: 27 Apr 2018 1:51

Instrument :
BNA_G
ClientSampleId :
042418-DBRI-E-U-S

Tgt Ion:	136	Resp:	258750
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.2	13.8
54	7.7	10.3	15.5#
68	5.6	4.5	6.7

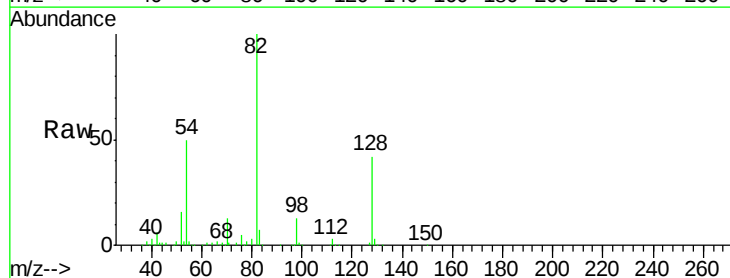


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

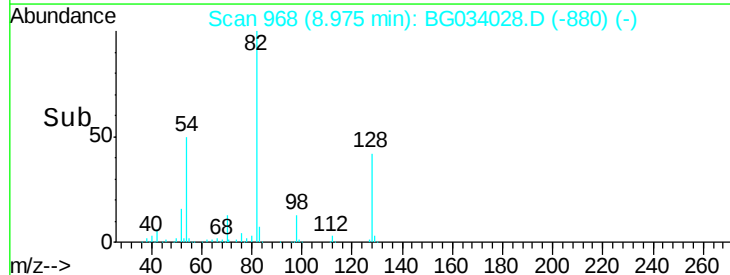
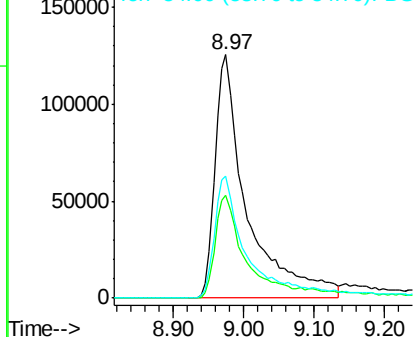


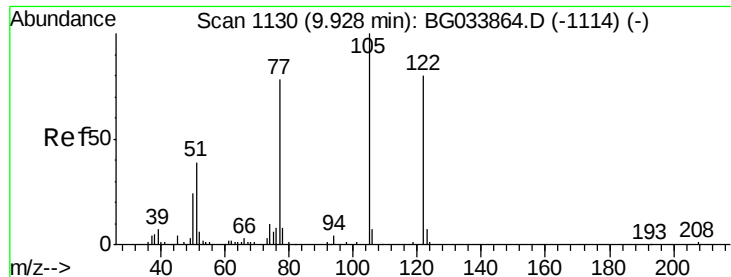
#23
Nitrobenzene-d5
Concen: 86.696 ng
RT: 8.97 min Scan# 968
Delta R.T. -0.01 min
Lab File: BG034028.D
Acq: 27 Apr 2018 1:51

Tgt Ion:	82	Resp:	394178
Ion	Ratio	Lower	Upper
82	100		
128	42.2	29.7	44.5
54	49.9	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





#32

Benzoic acid

Concen: 5.100 ng

RT: 10.38 min Scan# 1208

Delta R.T. 0.46 min

Lab File: BG034028.D

Acq: 27 Apr 2018 1:51

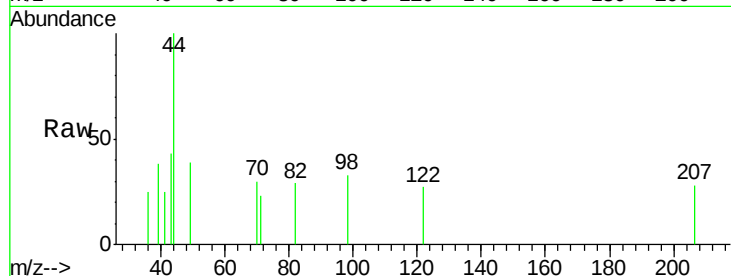
Instrument :

BNA_G

ClientSampleId :

042418-DBRI-E-U-S

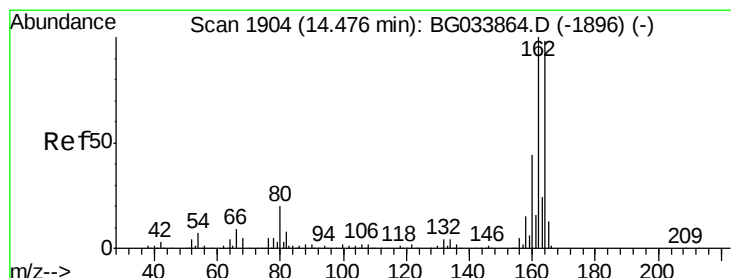
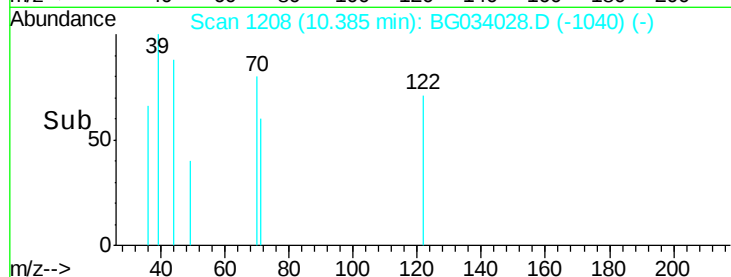
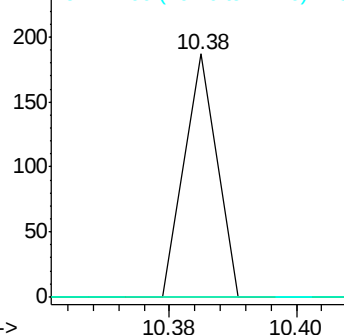
Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	123.5	163.5#
77	0.0	85.7	125.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#38

Acenaphthene-d10

Concen: 20.000 ng

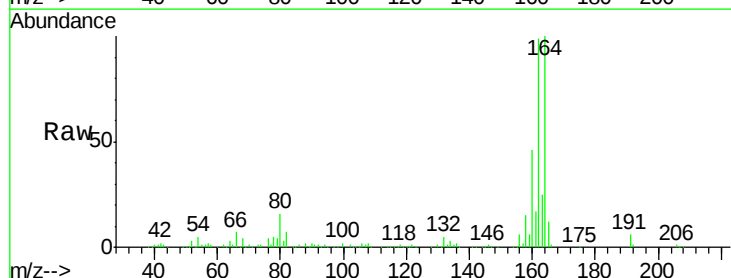
RT: 14.44 min Scan# 1899

Delta R.T. -0.03 min

Lab File: BG034028.D

Acq: 27 Apr 2018 1:51

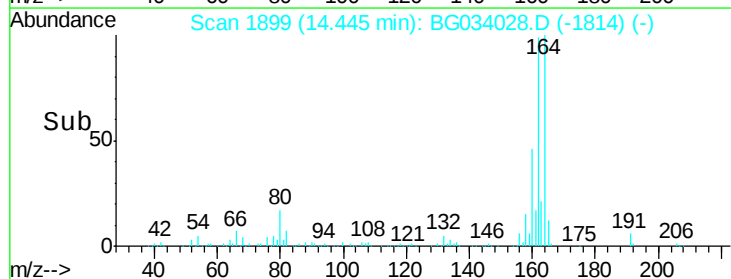
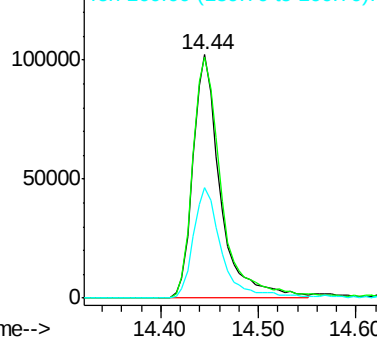
Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.0	78.8	118.2
160	45.6	35.4	53.0

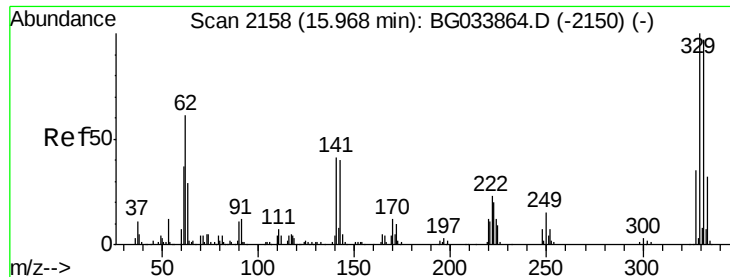


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

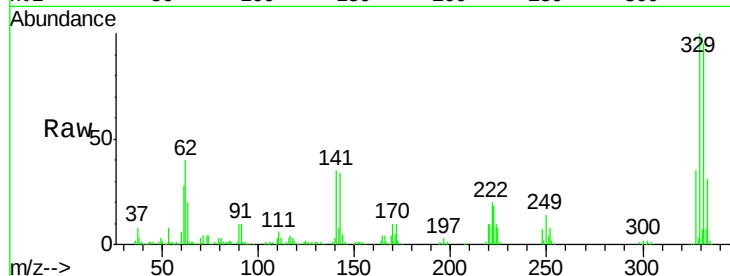




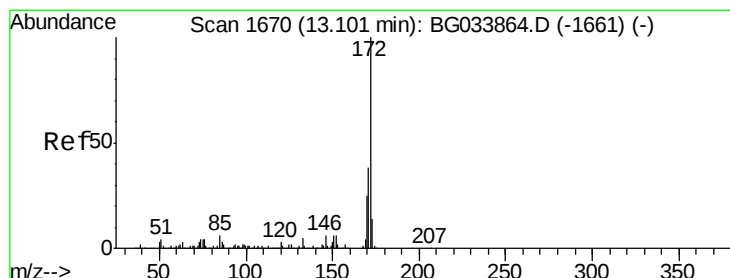
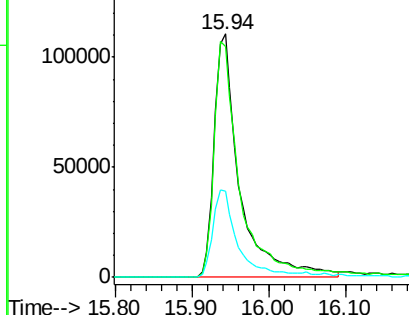
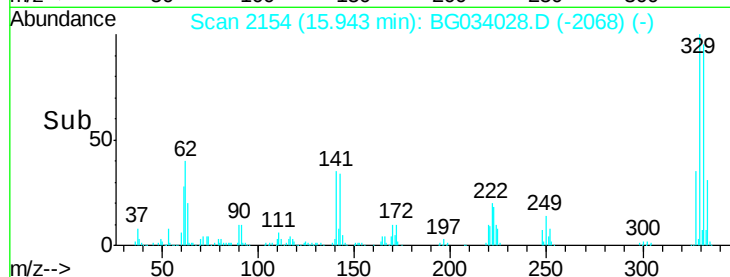
#41
 2,4,6-Tribromophenol
 Concen: 109.119 ng
 RT: 15.94 min Scan# 2154
 Delta R.T. -0.03 min
 Lab File: BG034028.D
 Acq: 27 Apr 2018 1:51

Instrument :
 BNA_G
 ClientSampleId :
 042418-DBRI-E-U-S

Tgt Ion	Ratio	Lower	Upper
330	100		
332	101.8	77.0	115.6
141	34.8	25.2	37.8

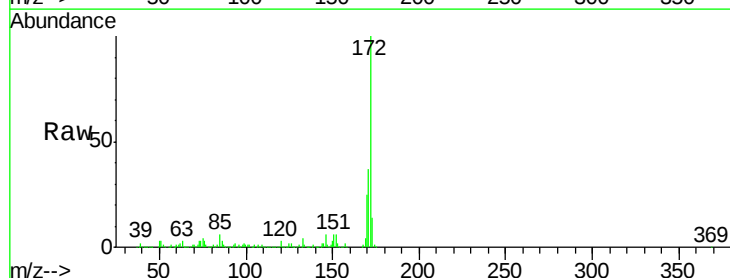


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

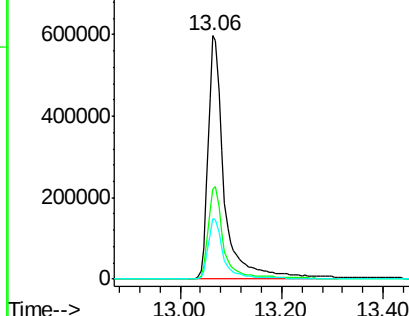
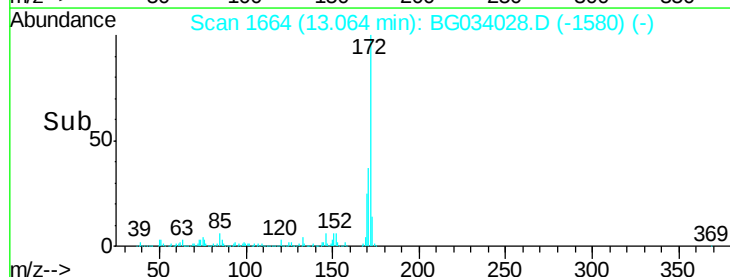


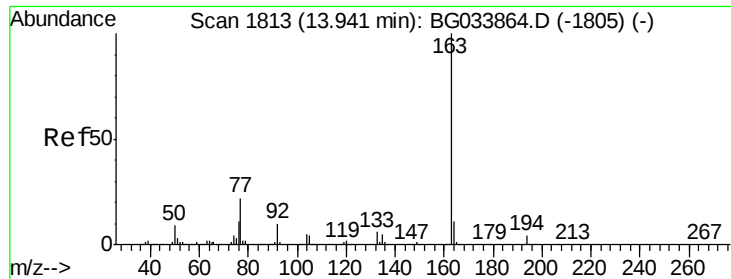
#44
 2-Fluorobiphenyl
 Concen: 98.490 ng
 RT: 13.06 min Scan# 1664
 Delta R.T. -0.04 min
 Lab File: BG034028.D
 Acq: 27 Apr 2018 1:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	30.0	45.0
170	25.0	19.5	29.3



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: 2.041 ng

RT: 13.91 min Scan# 1808

Delta R.T. -0.03 min

Lab File: BG034028.D

Acq: 27 Apr 2018 1:51

Instrument :

BNA_G

ClientSampleId :

042418-DBRI-E-U-S

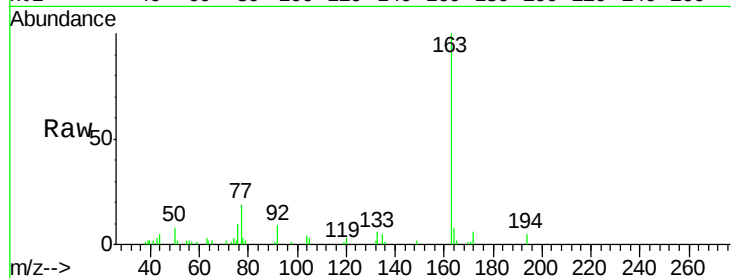
Tgt Ion:163 Resp: 35846

Ion Ratio Lower Upper

163 100

194 5.0 3.4 5.2

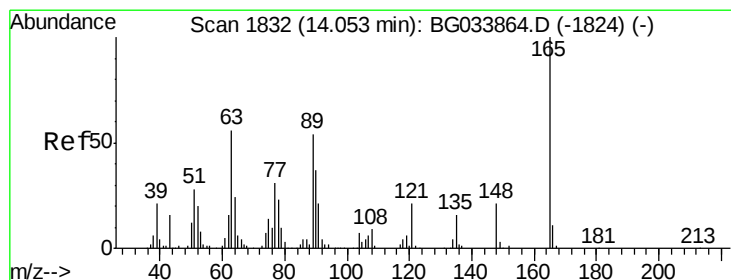
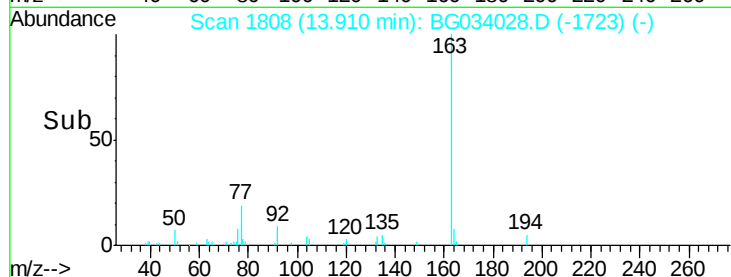
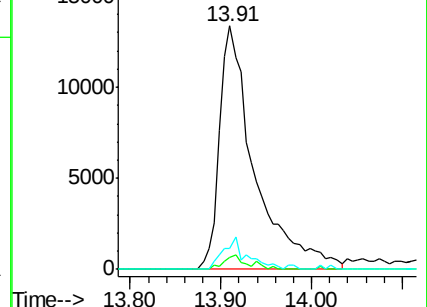
164 8.5 8.2 12.4



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: 7.605 ng

RT: 14.44 min Scan# 1899

Delta R.T. 0.39 min

Lab File: BG034028.D

Acq: 27 Apr 2018 1:51

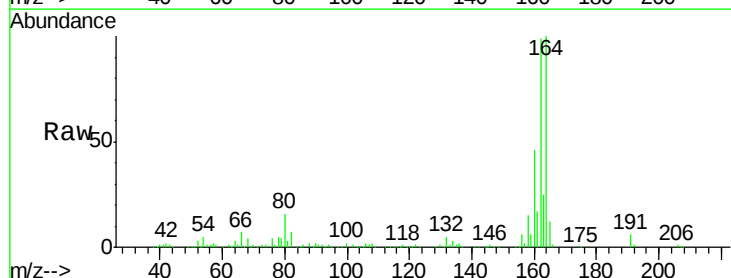
Tgt Ion:165 Resp: 25306

Ion Ratio Lower Upper

165 100

63 1.4 52.7 79.1#

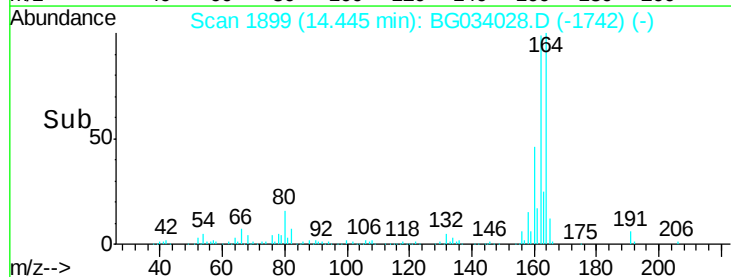
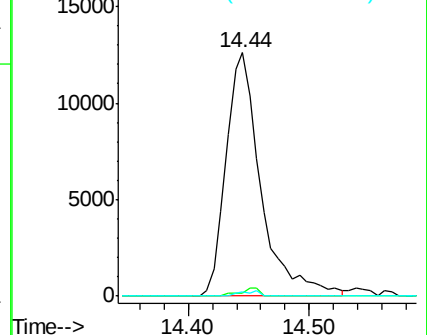
89 1.9 49.2 73.8#

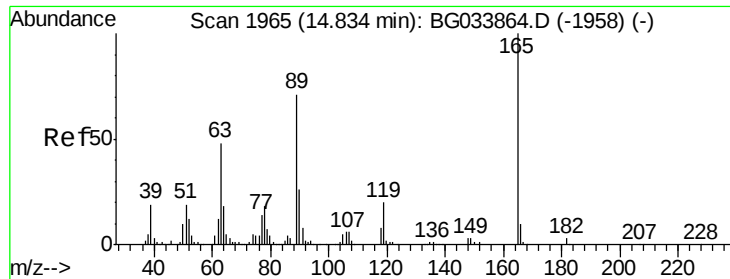


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

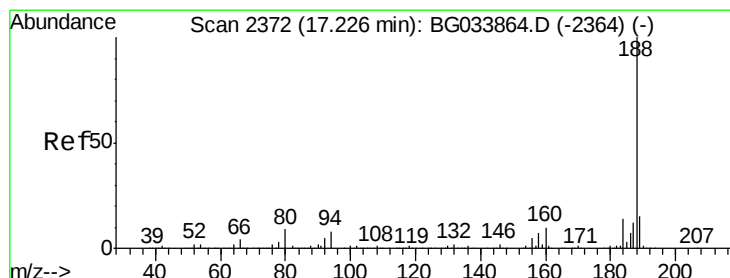
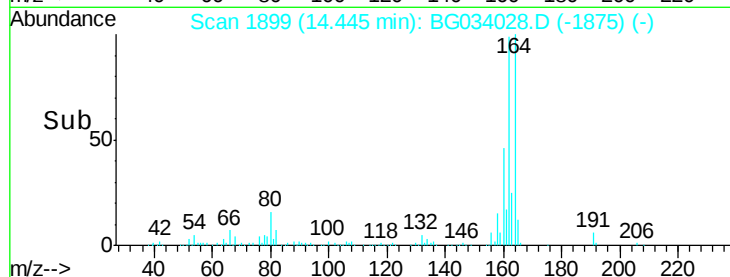
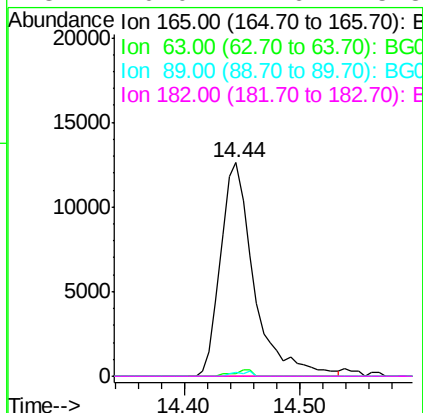
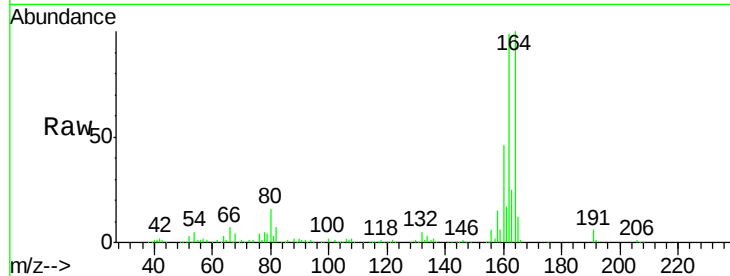




#56
 2,4-Dinitrotoluene
 Concen: 5.743 ng
 RT: 14.44 min Scan# 1899
 Delta R.T. -0.39 min
 Lab File: BG034028.D
 Acq: 27 Apr 2018 1:51

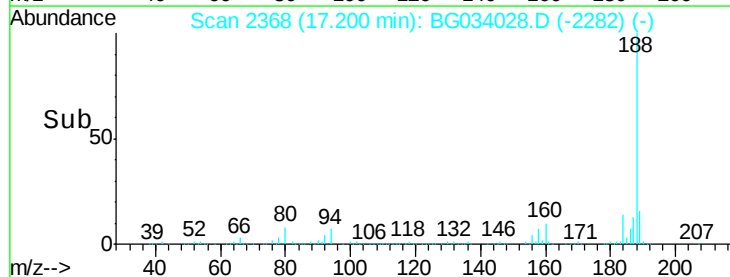
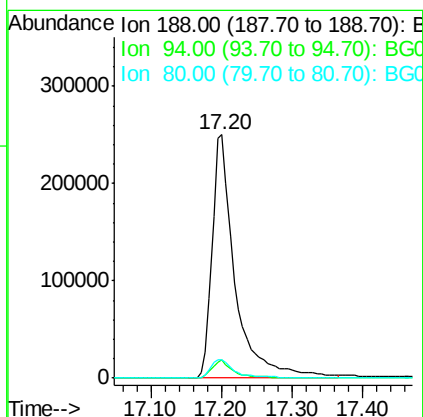
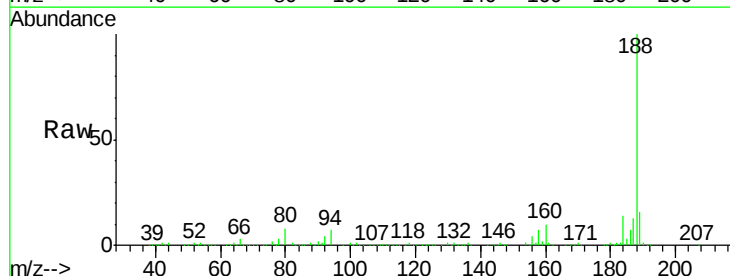
Instrument :
 BNA_G
 ClientSampleId :
 042418-DBRI-E-U-S

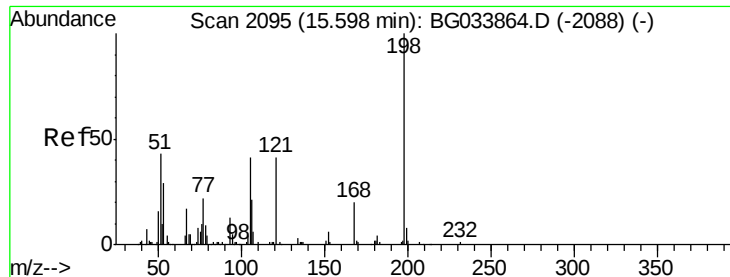
Tgt Ion:165 Resp: 25412
 Ion Ratio Lower Upper
 165 100
 63 1.4 42.0 63.0#
 89 1.9 66.9 100.3#
 182 0.0 2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.20 min Scan# 2368
 Delta R.T. -0.03 min
 Lab File: BG034028.D
 Acq: 27 Apr 2018 1:51

Tgt Ion:188 Resp: 567493
 Ion Ratio Lower Upper
 188 100
 94 7.3 6.9 10.3
 80 7.7 7.7 11.5

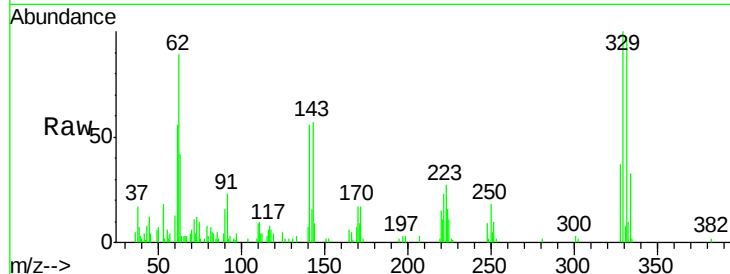




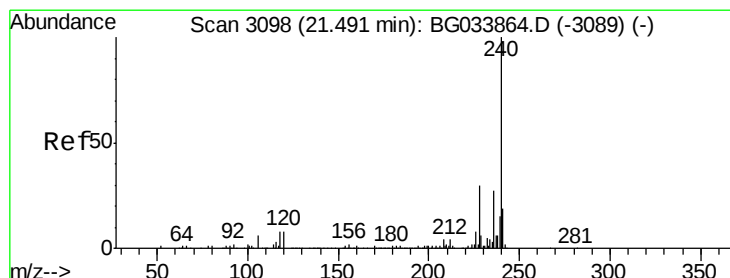
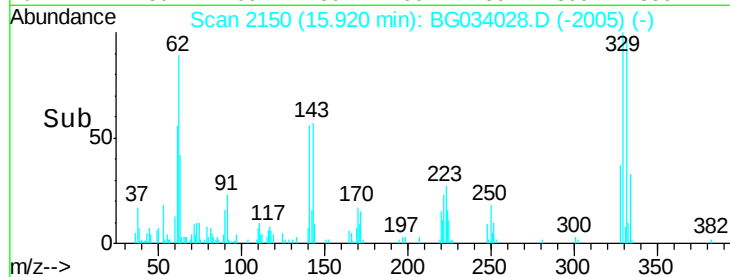
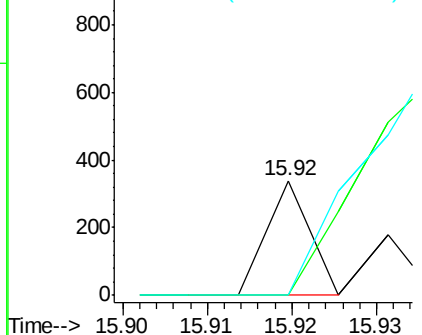
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.527 ng
 RT: 15.92 min Scan# 2150
 Delta R.T. 0.32 min
 Lab File: BG034028.D
 Acq: 27 Apr 2018 1:51

Instrument :
 BNA_G
 ClientSampleId :
 042418-DBRI-E-U-S

Tgt Ion:198 Resp: 119
 Ion Ratio Lower Upper
 198 100
 51 0.0 30.6 70.6#
 105 0.0 23.8 63.8#

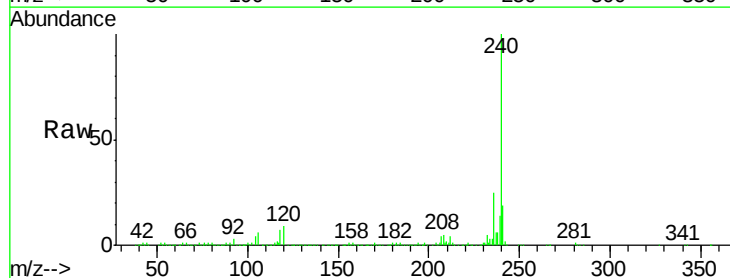


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

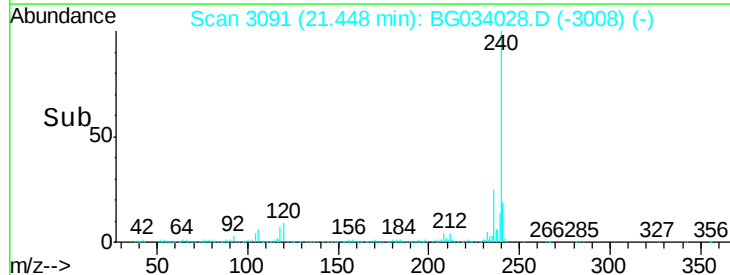
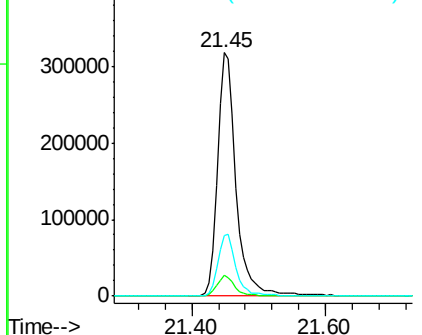


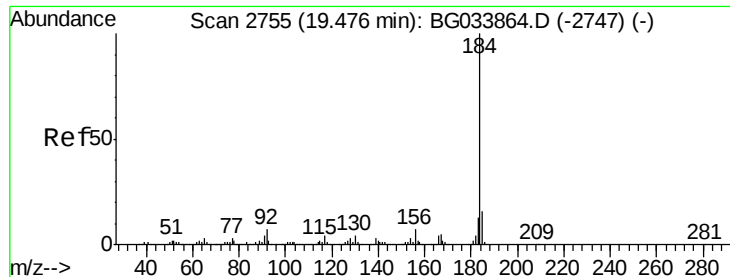
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.45 min Scan# 3091
 Delta R.T. -0.04 min
 Lab File: BG034028.D
 Acq: 27 Apr 2018 1:51

Tgt Ion:240 Resp: 621874
 Ion Ratio Lower Upper
 240 100
 120 8.6 6.8 10.2
 236 24.8 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: 19.83 min Scan# 2816

Delta R.T. 0.36 min

Lab File: BG034028.D

Acq: 27 Apr 2018 1:51

Instrument :

BNA_G

ClientSampleId :

042418-DBRI-E-U-S

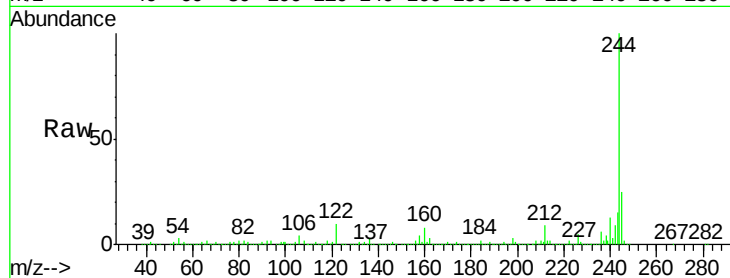
Tgt Ion:184 Resp: 38666

Ion Ratio Lower Upper

184 100

185 16.0 11.1 16.7

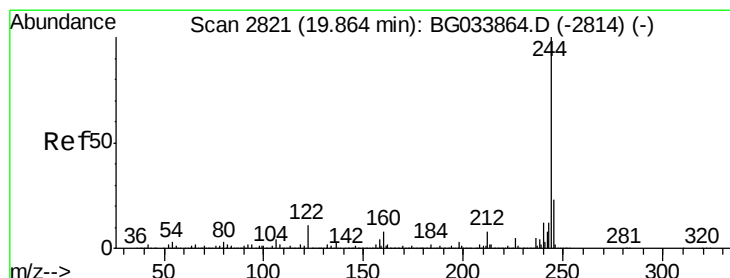
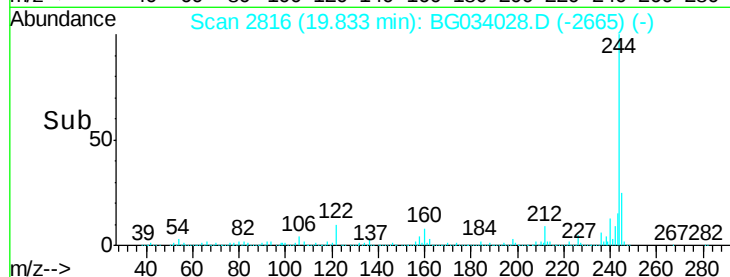
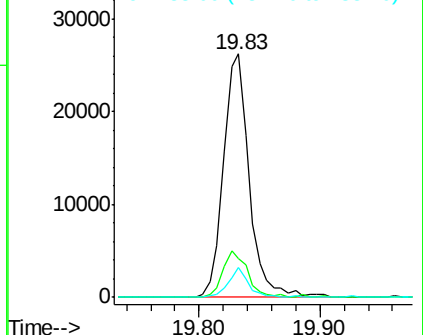
183 12.3 10.6 16.0



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: 91.749 ng

RT: 19.83 min Scan# 2816

Delta R.T. -0.03 min

Lab File: BG034028.D

Acq: 27 Apr 2018 1:51

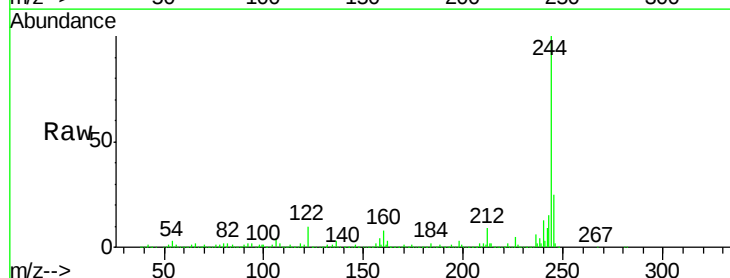
Tgt Ion:244 Resp: 2539667

Ion Ratio Lower Upper

244 100

212 8.9 5.8 8.8#

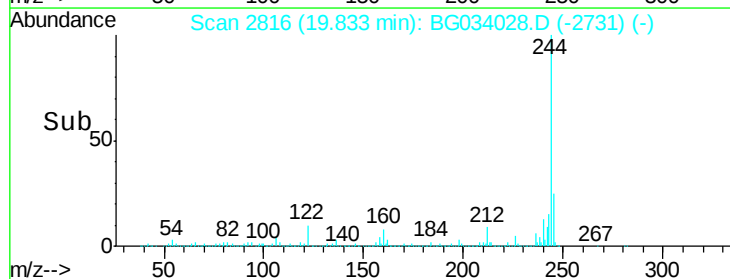
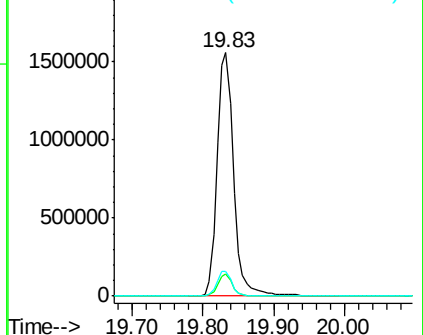
122 10.2 7.0 10.4

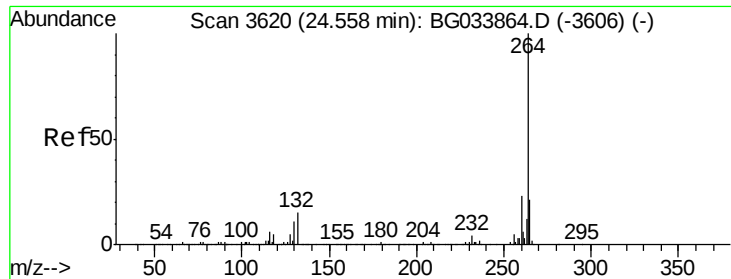


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

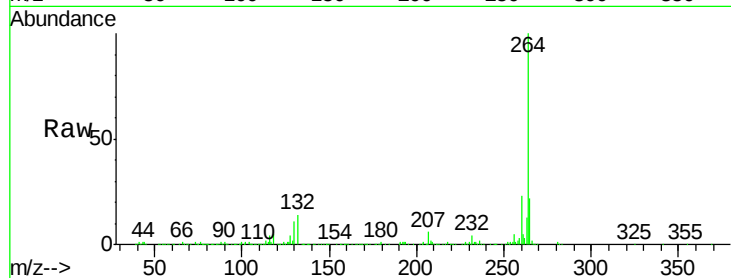




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.49 min Scan# 3609
Delta R.T. -0.07 min
Lab File: BG034028.D
Acq: 27 Apr 2018 1:51

Instrument :
BNA_G
ClientSampleId :
042418-DBRI-E-U-S

Tgt Ion: 264 Resp: 622504
Ion Ratio Lower Upper
264 100
260 23.5 17.4 26.0
265 21.9 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

