

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG042618\
 Data File : BG034033.D
 Acq On : 27 Apr 2018 5:00
 Operator : SJ/JU
 Sample : PB108616BL
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB108616BL

Quant Time: Apr 27 07:24:25 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

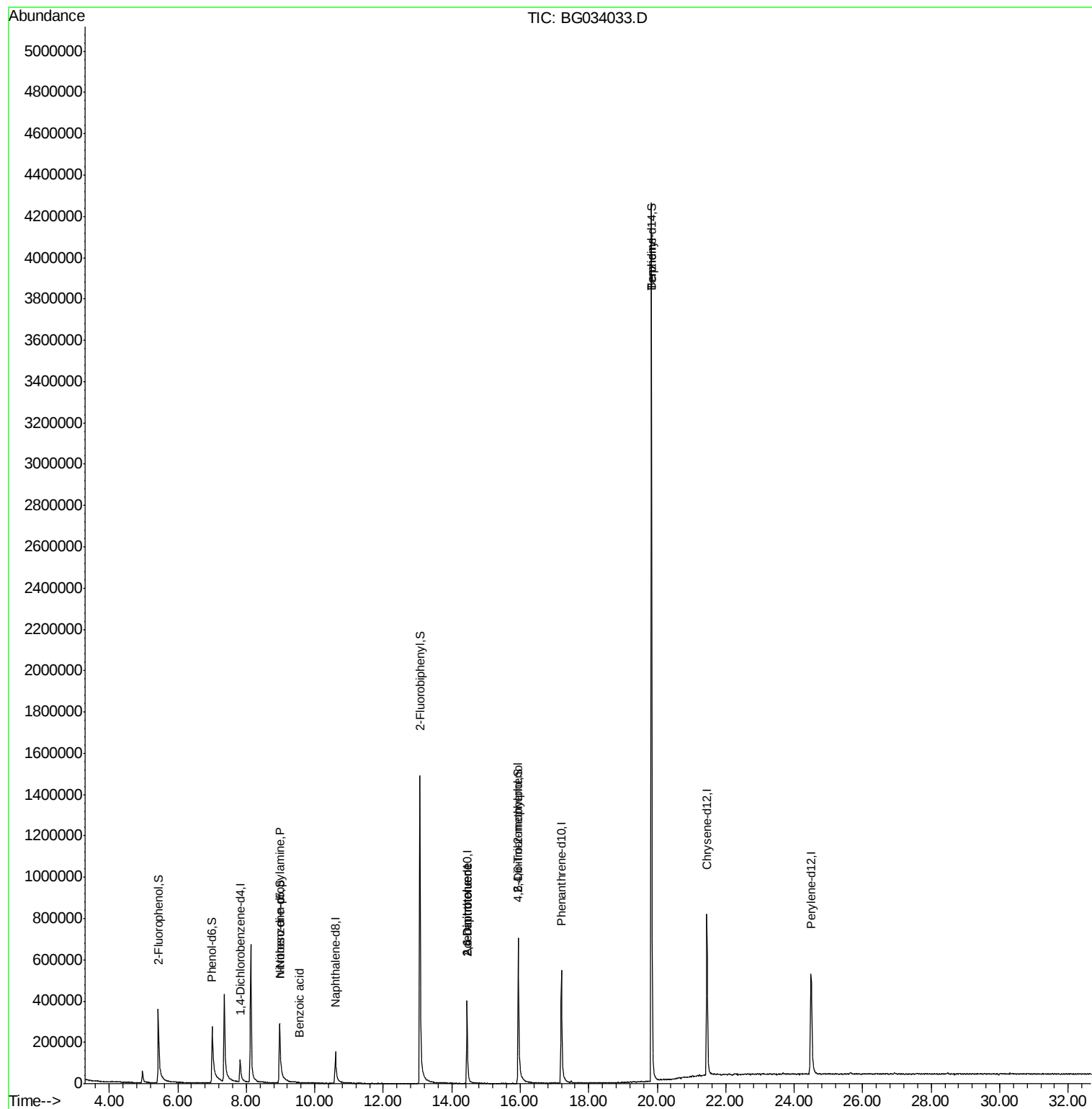
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	52077	20.00	ng	-0.02
21) Naphthalene-d8	10.60	136	236772	20.00	ng	-0.02
38) Acenaphthene-d10	14.45	164	189253	20.00	ng	-0.03
63) Phenanthrene-d10	17.20	188	557536	20.00	ng	-0.02
75) Chrysene-d12	21.45	240	626858	20.00	ng	-0.04
86) Perylene-d12	24.49	264	628062	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	269932	82.75	ng	-0.01
7) Phenol-d6	7.00	99	352721	74.14	ng	0.00
23) Nitrobenzene-d5	8.97	82	363937	87.47	ng	-0.02
41) 2,4,6-Tribromophenol	15.94	330	215126	97.43	ng	-0.03
44) 2-Fluorobiphenyl	13.07	172	1177844	91.43	ng	-0.03
78) Terphenyl-d14	19.83	244	2484994	89.06	ng	-0.03
Target Compounds						
9) Benzaldehyde	7.00	77	155	Below Cal	Qvalue	# 5
19) n-Nitroso-di-n-propylamine	8.97	70	39740	9.799 ng	#	75
32) Benzoic acid	9.55	122	57	5.099 ng	#	1
50) 2,6-Dinitrotoluene	14.45	165	23367	7.407 ng	#	21
56) 2,4-Dinitrotoluene	14.45	165	23367	5.570 ng	#	18
64) 4,6-Dinitro-2-methylphenol	15.95	198	758	6.733 ng	#	48
76) Benzidine	19.83	184	36903	2.180 ng		97

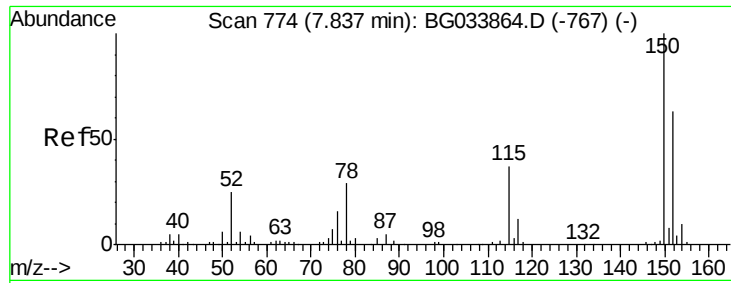
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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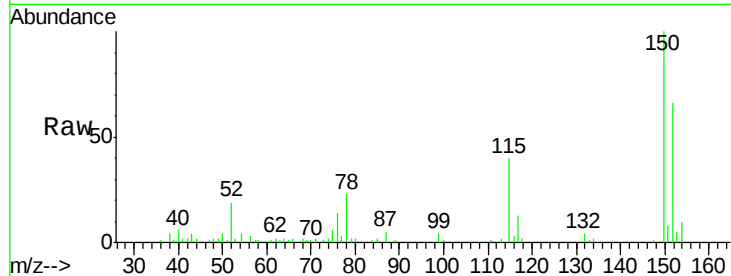


#1

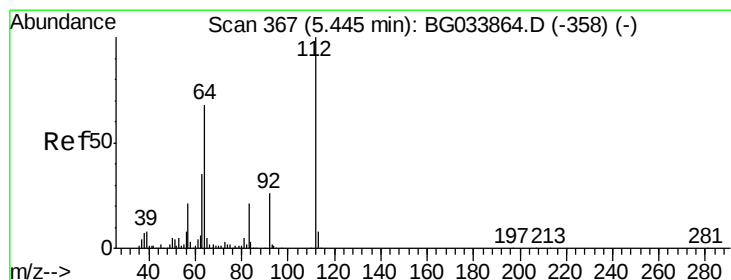
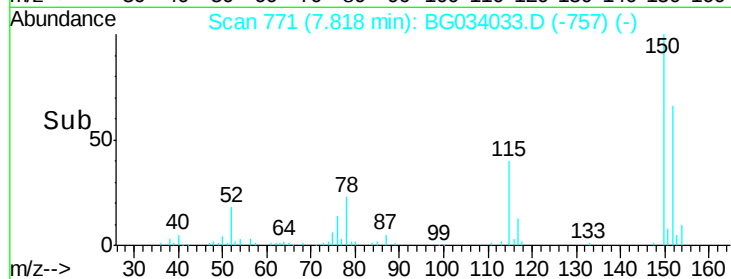
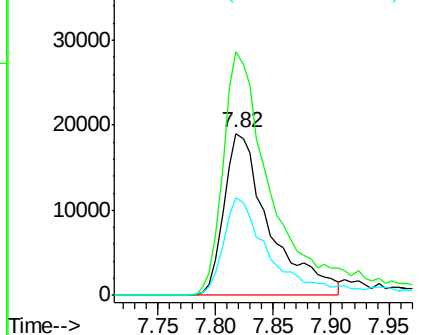
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.82 min Scan# 771
 Delta R.T. -0.02 min
 Lab File: BG034033.D
 Acq: 27 Apr 2018 5:00

Instrument :
 BNA_G
 ClientSampleId :
 PB108616BL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	150.5	126.6	189.8
115	60.7	53.0	79.4



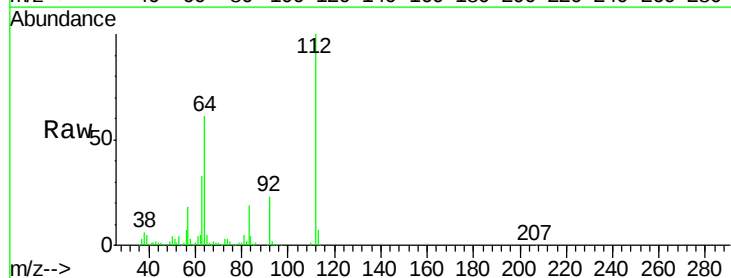
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



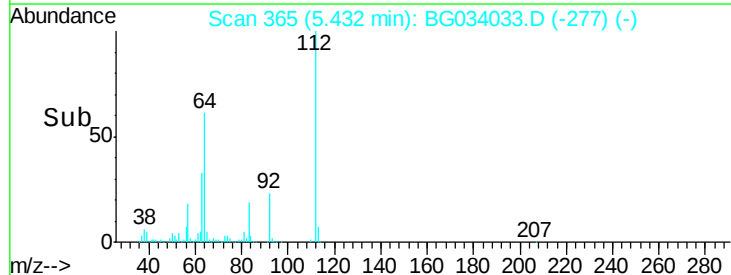
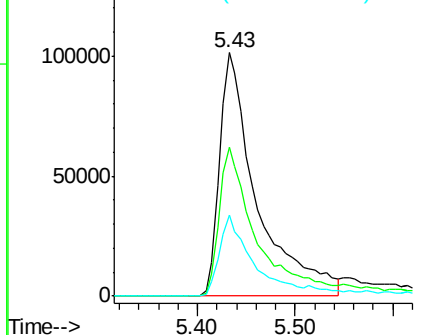
#5

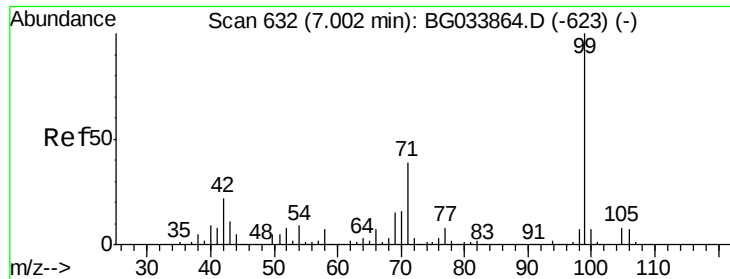
2-Fluorophenol
 Concen: 82.753 ng
 RT: 5.43 min Scan# 365
 Delta R.T. -0.01 min
 Lab File: BG034033.D
 Acq: 27 Apr 2018 5:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.0	56.3	84.5
63	33.3	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: 74.138 ng

RT: 7.00 min Scan# 632

Delta R.T. -0.00 min

Lab File: BG034033.D

Acq: 27 Apr 2018 5:00

Instrument :

BNA_G

ClientSampleId :

PB108616BL

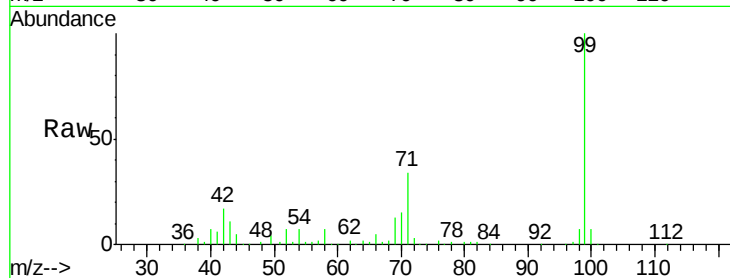
Tgt Ion: 99 Resp: 352721

Ion Ratio Lower Upper

99 100

42 17.0 14.1 21.1

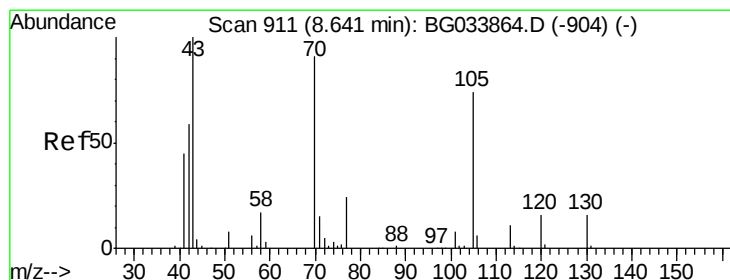
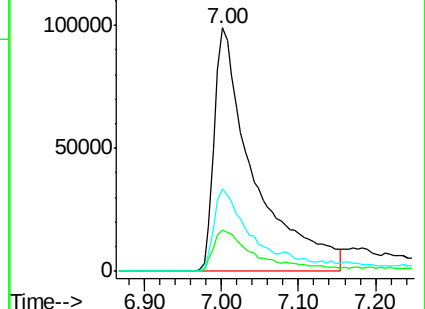
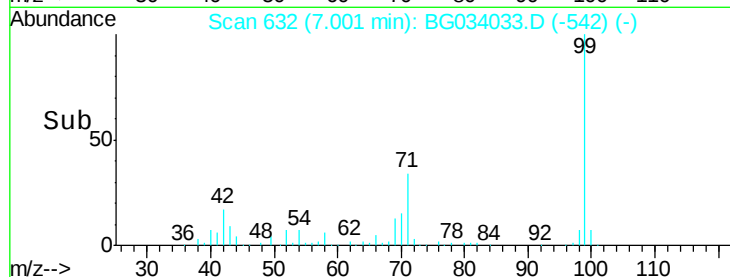
71 33.8 26.1 39.1



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: 9.799 ng

RT: 8.97 min Scan# 967

Delta R.T. 0.33 min

Lab File: BG034033.D

Acq: 27 Apr 2018 5:00

Tgt Ion: 70 Resp: 39740

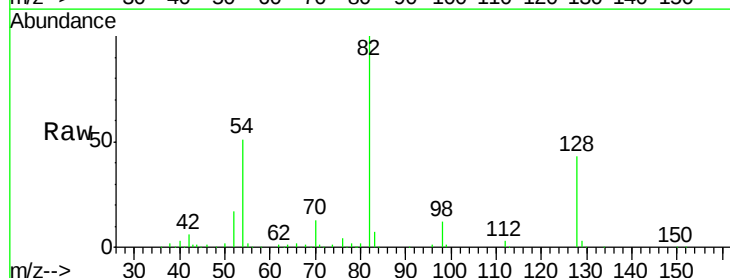
Ion Ratio Lower Upper

70 100

42 44.5 49.1 73.7#

101 0.0 8.5 12.7#

130 2.1 13.4 20.0#

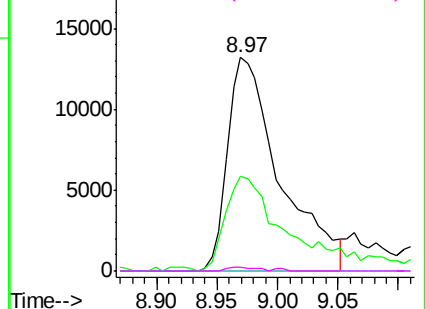
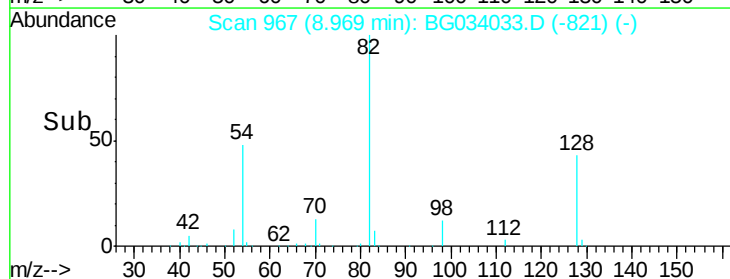


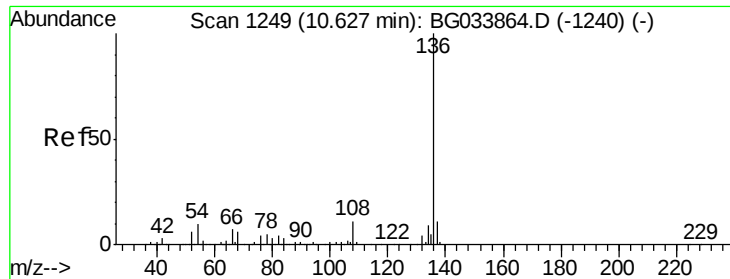
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

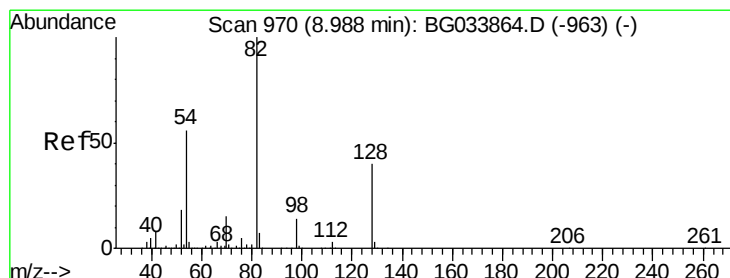
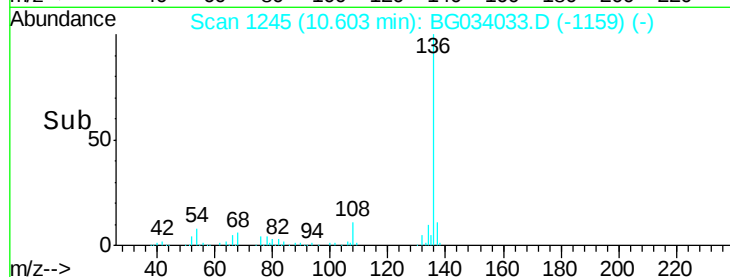
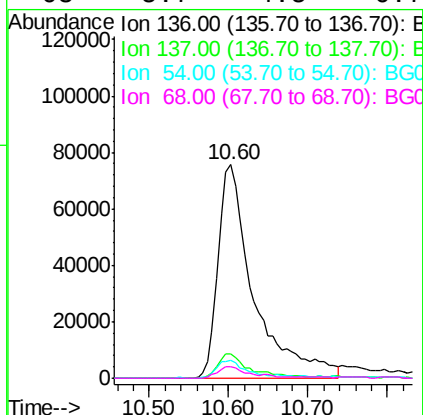
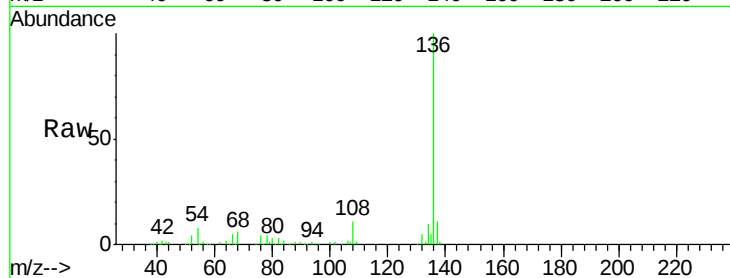




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.60 min Scan# 1245
Delta R.T. -0.02 min
Lab File: BG034033.D
Acq: 27 Apr 2018 5:00

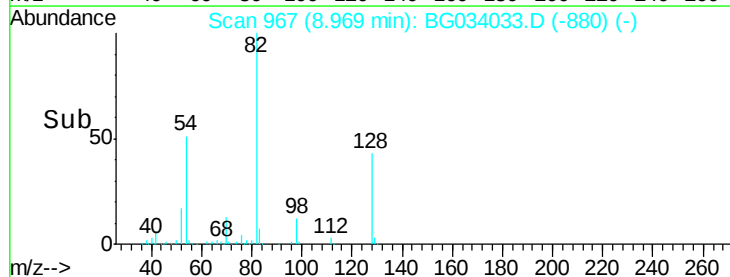
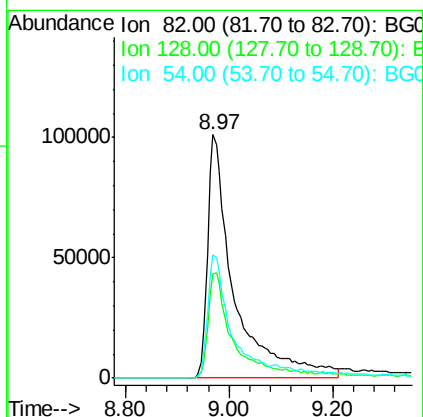
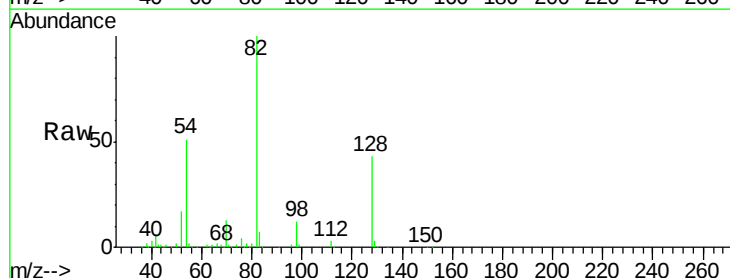
Instrument :
BNA_G
ClientSampleId :
PB108616BL

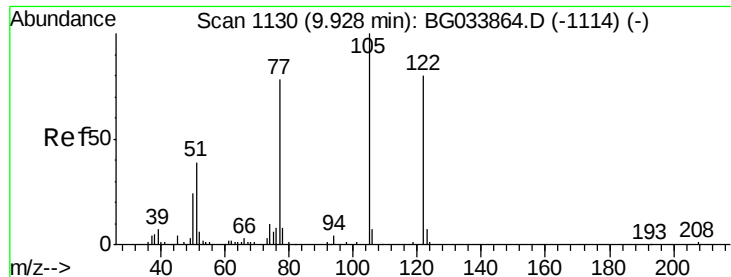
Tgt Ion:	136	Resp:	236772
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	8.3	10.3	15.5#
68	5.7	4.5	6.7



#23
Nitrobenzene-d5
Concen: 87.475 ng
RT: 8.97 min Scan# 967
Delta R.T. -0.02 min
Lab File: BG034033.D
Acq: 27 Apr 2018 5:00

Tgt Ion:	82	Resp:	363937
Ion	Ratio	Lower	Upper
82	100		
128	42.9	29.7	44.5
54	50.7	43.1	64.7

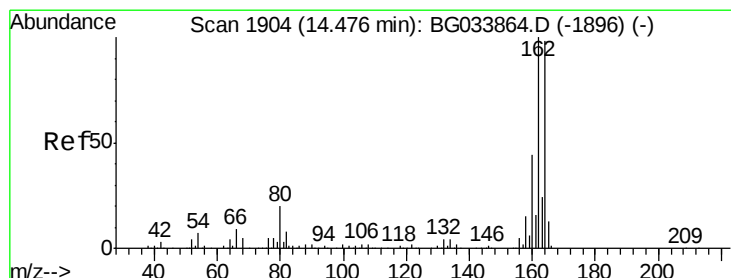
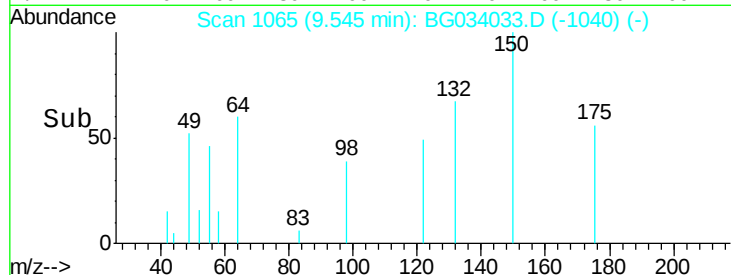
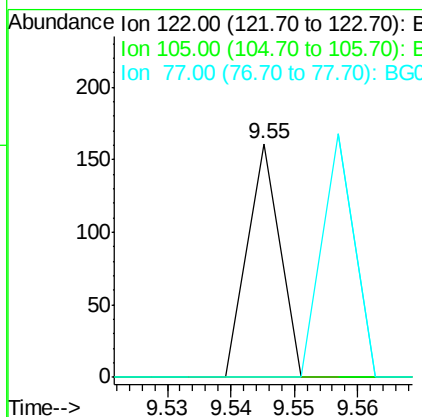
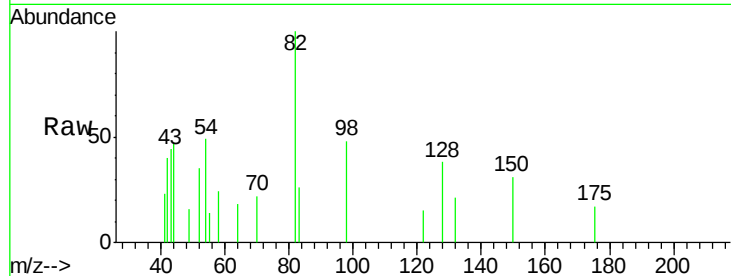




#32
Benzoic acid
Concen: 5.099 ng
RT: 9.55 min Scan# 1065
Delta R.T. -0.38 min
Lab File: BG034033.D
Acq: 27 Apr 2018 5:00

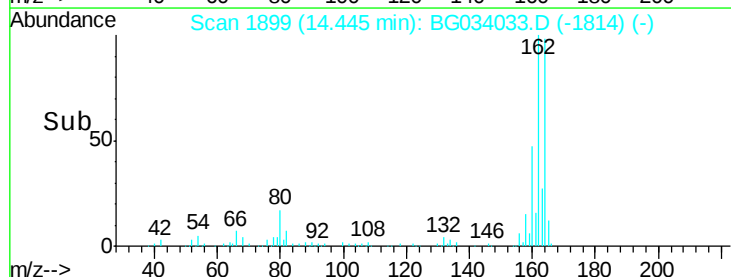
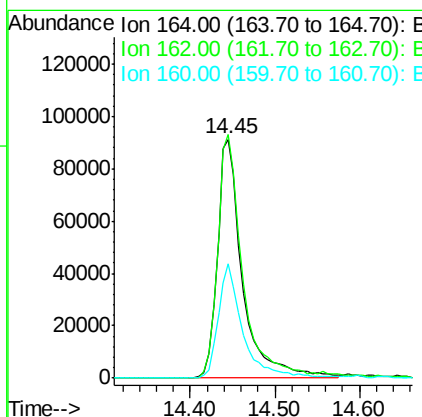
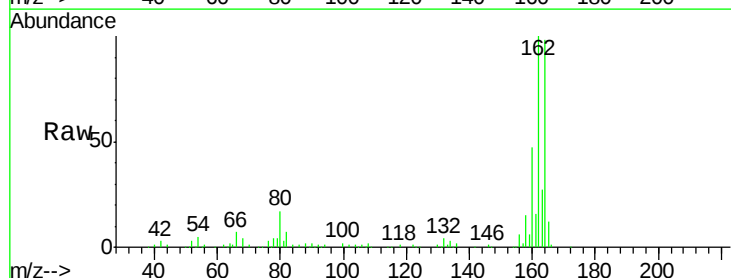
Instrument :
BNA_G
ClientSampleId :
PB108616BL

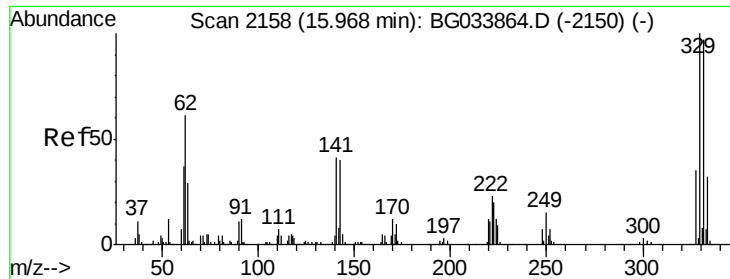
Tgt Ion:122 Resp: 57
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 0.0 85.7 125.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.45 min Scan# 1899
Delta R.T. -0.03 min
Lab File: BG034033.D
Acq: 27 Apr 2018 5:00

Tgt Ion:164 Resp: 189253
Ion Ratio Lower Upper
164 100
162 102.0 78.8 118.2
160 48.1 35.4 53.0

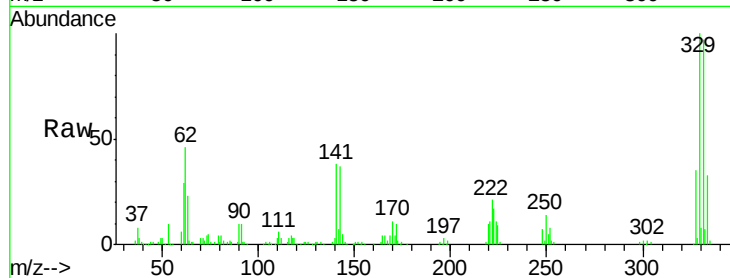




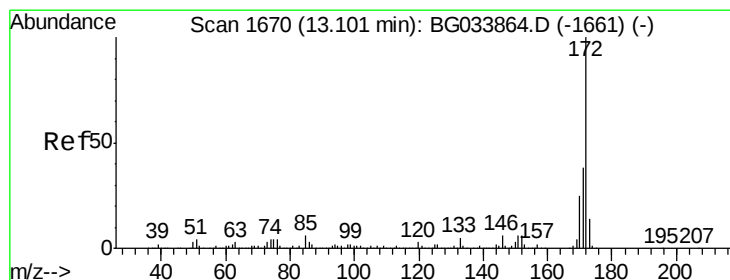
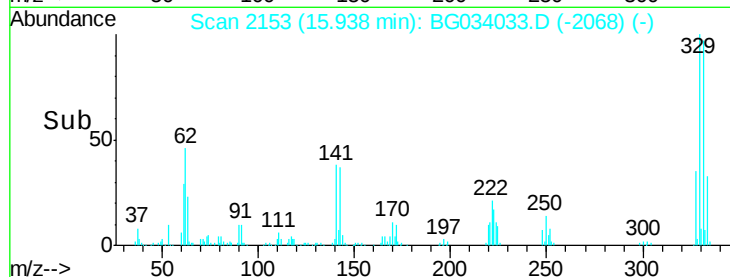
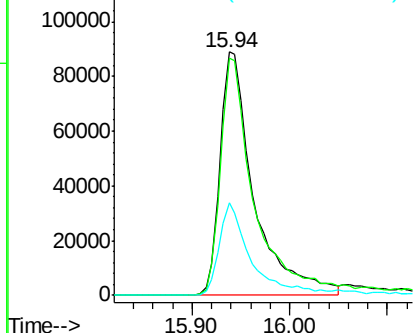
#41
 2,4,6-Tribromophenol
 Concen: 97.433 ng
 RT: 15.94 min Scan# 2153
 Delta R.T. -0.03 min
 Lab File: BG034033.D
 Acq: 27 Apr 2018 5:00

Instrument :
 BNA_G
 ClientSampleId :
 PB108616BL

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.0	115.6
141	35.5	25.2	37.8

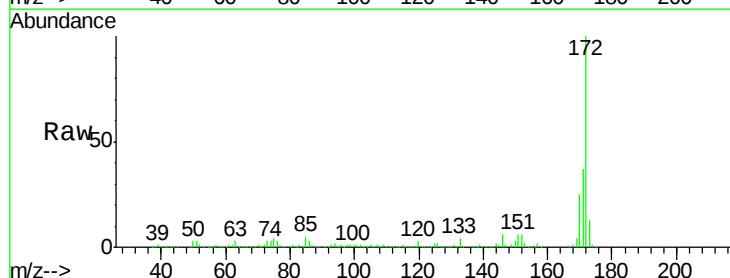


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

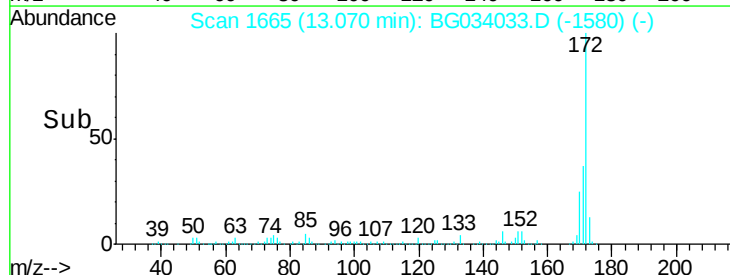
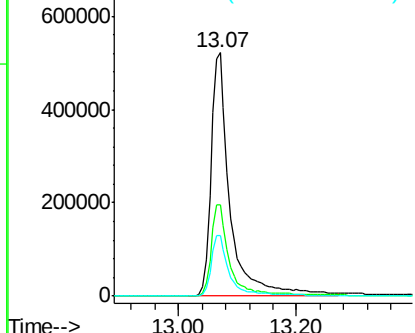


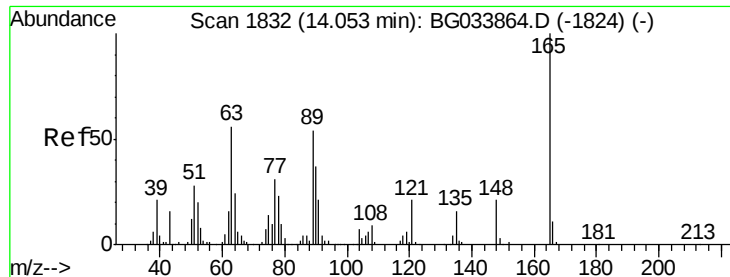
#44
 2-Fluorobiphenyl
 Concen: 91.427 ng
 RT: 13.07 min Scan# 1665
 Delta R.T. -0.03 min
 Lab File: BG034033.D
 Acq: 27 Apr 2018 5:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	30.0	45.0
170	24.9	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





#50

2,6-Dinitrotoluene

Concen: 7.407 ng

RT: 14.45 min Scan# 1899

Delta R.T. 0.39 min

Lab File: BG034033.D

Acq: 27 Apr 2018 5:00

Instrument :

BNA_G

ClientSampleId :

PB108616BL

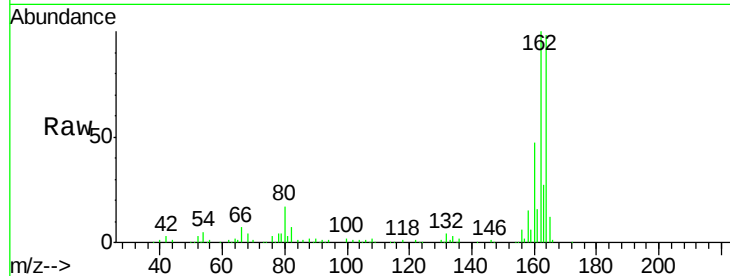
Tgt Ion:165 Resp: 23367

Ion Ratio Lower Upper

165 100

63 2.3 52.7 79.1#

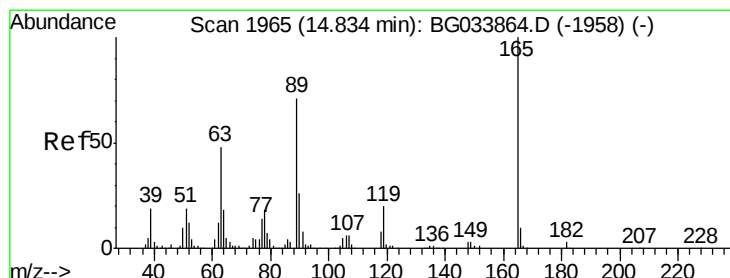
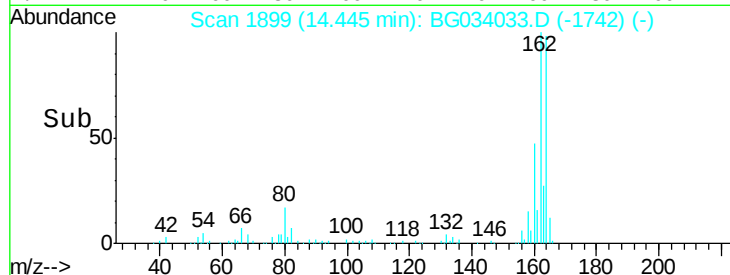
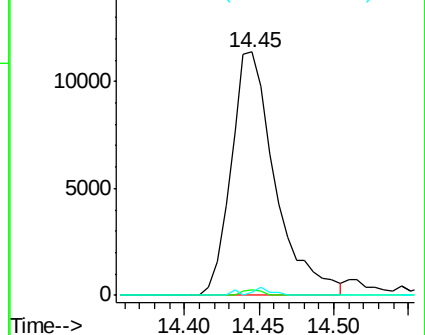
89 1.4 49.2 73.8#



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: 5.570 ng

RT: 14.45 min Scan# 1899

Delta R.T. -0.39 min

Lab File: BG034033.D

Acq: 27 Apr 2018 5:00

Tgt Ion:165 Resp: 23367

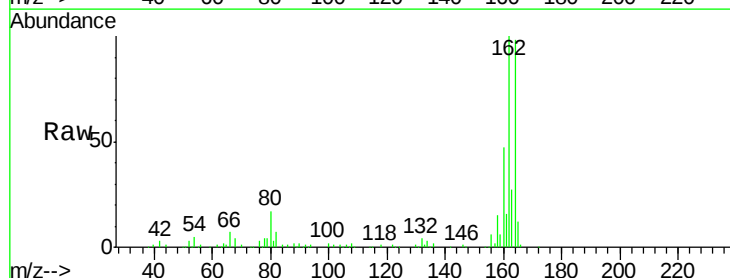
Ion Ratio Lower Upper

165 100

63 2.3 42.0 63.0#

89 1.4 66.9 100.3#

182 0.0 2.6 3.8#

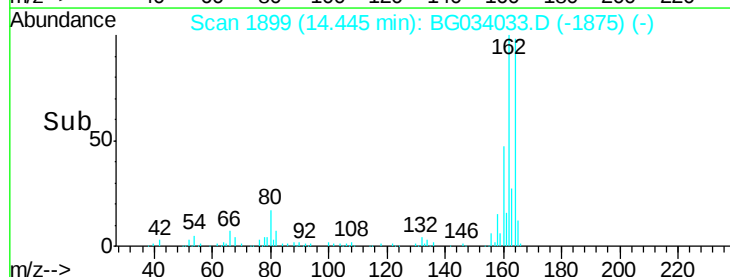
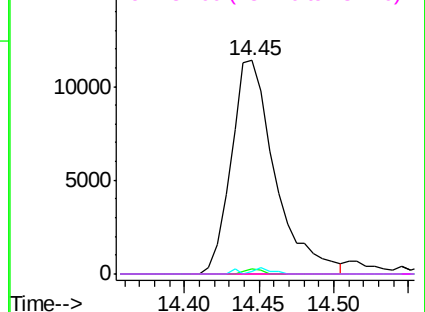


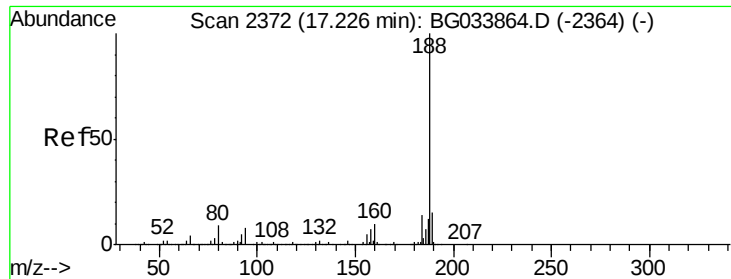
Abundance Ion 165.00 (164.70 to 165.70): E

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: BG034033.D

Acq: 27 Apr 2018 5:00

Instrument :

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ClientSampleId :

PB108616BL

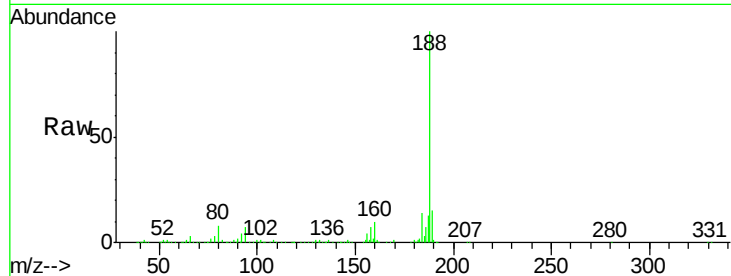
Tgt Ion:188 Resp: 557536

Ion Ratio Lower Upper

188 100

94 6.7 6.9 10.3#

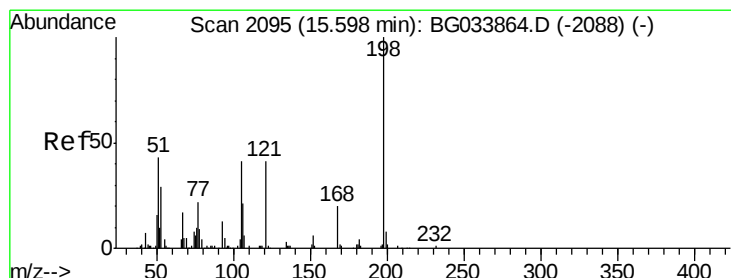
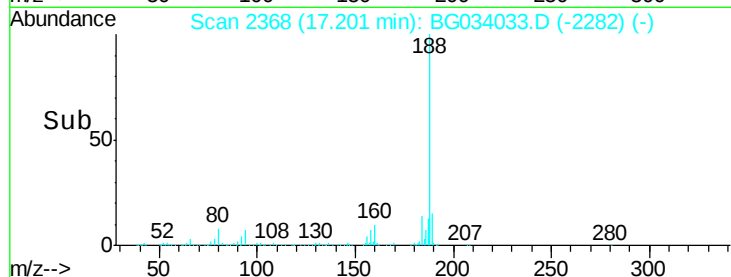
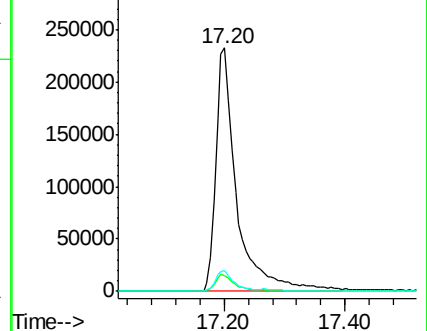
80 8.4 7.7 11.5



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: 6.733 ng

RT: 15.95 min Scan# 2155

Delta R.T. 0.35 min

Lab File: BG034033.D

Acq: 27 Apr 2018 5:00

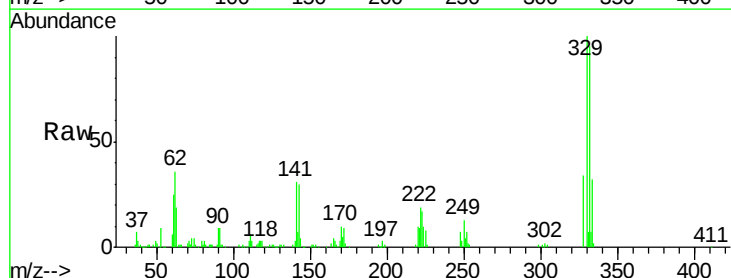
Tgt Ion:198 Resp: 758

Ion Ratio Lower Upper

198 100

51 0.0 30.6 70.6#

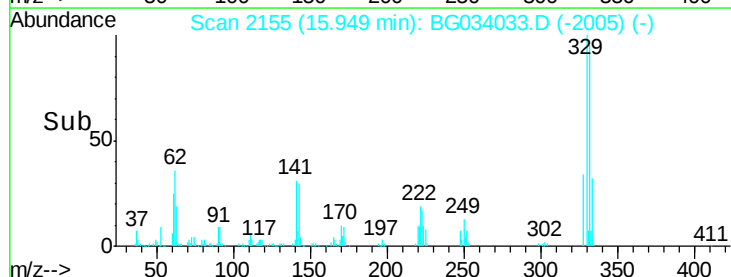
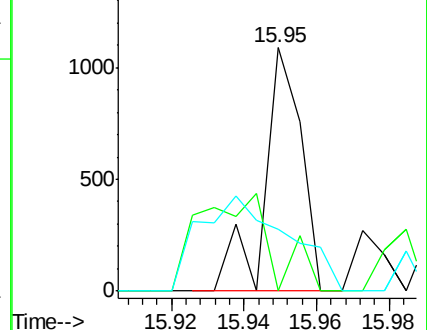
105 25.6 23.8 63.8

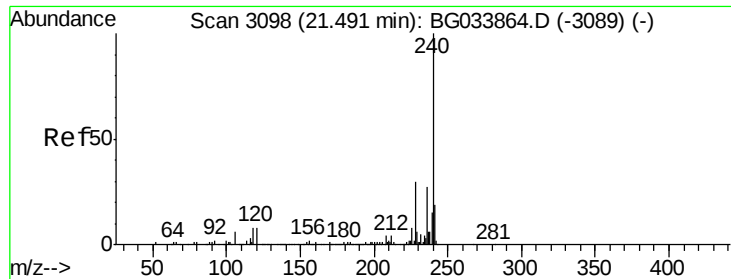


Abundance Ion 198.00 (197.70 to 198.70): E

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: BG034033.D

Acq: 27 Apr 2018 5:00

Instrument :

BNA_G

ClientSampleId :

PB108616BL

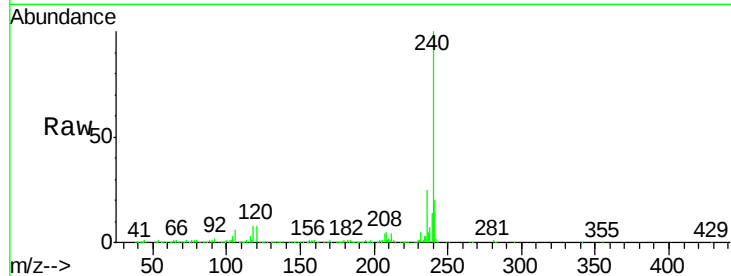
Tgt Ion:240 Resp: 626858

Ion Ratio Lower Upper

240 100

120 8.0 6.8 10.2

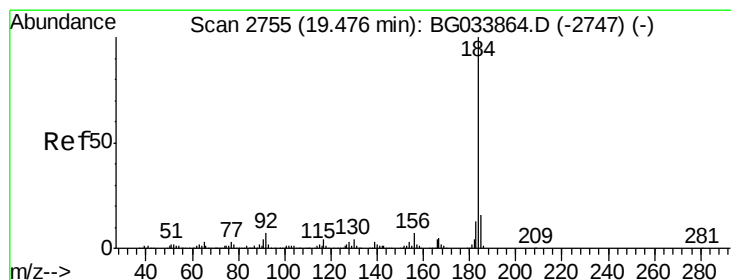
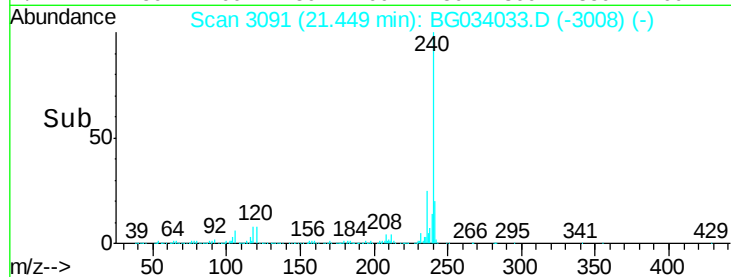
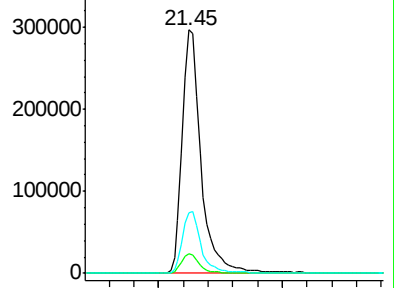
236 24.9 20.9 31.3



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: 2.180 ng

RT: 19.83 min Scan# 2816

Delta R.T. 0.36 min

Lab File: BG034033.D

Acq: 27 Apr 2018 5:00

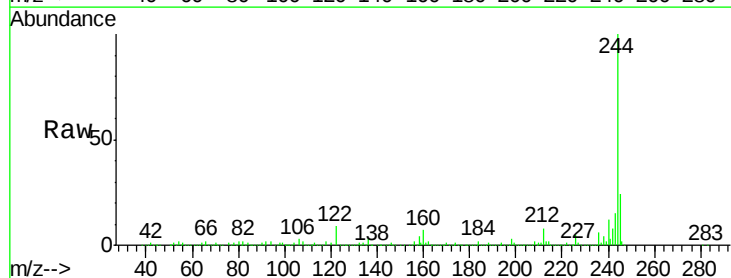
Tgt Ion:184 Resp: 36903

Ion Ratio Lower Upper

184 100

185 13.8 11.1 16.7

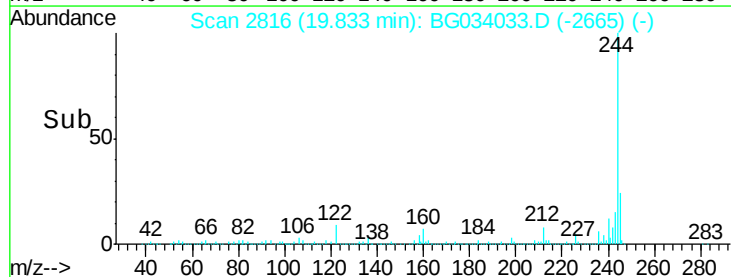
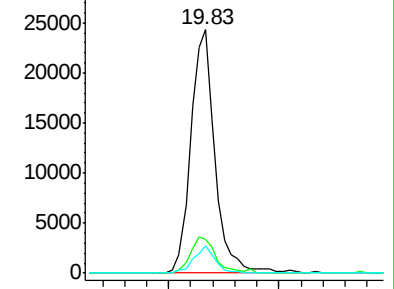
183 11.2 10.6 16.0

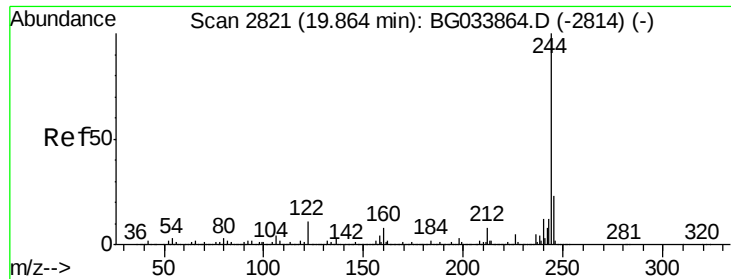


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 89.060 ng

RT: 19.83 min Scan# 2816

Delta R.T. -0.03 min

Lab File: BG034033.D

Acq: 27 Apr 2018 5:00

Instrument :

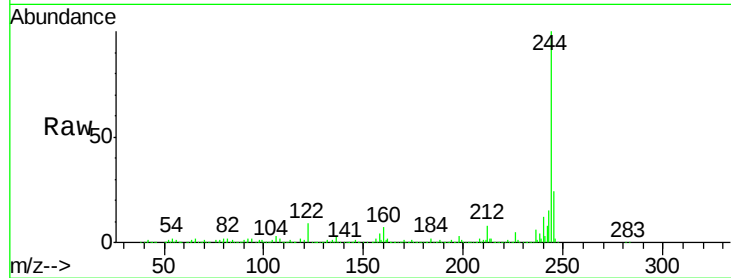
BNA_G

ClientSampleId :

PB108616BL

Tgt Ion:244 Resp: 2484994

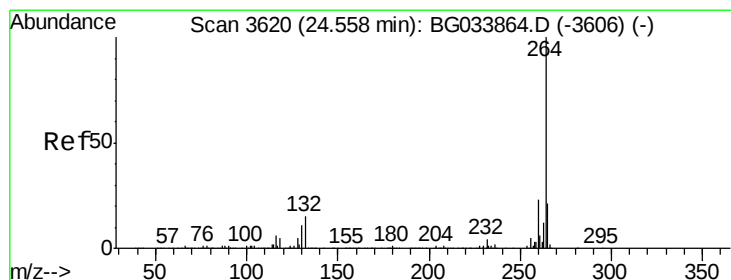
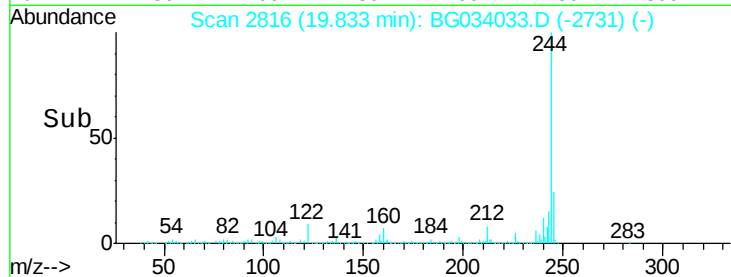
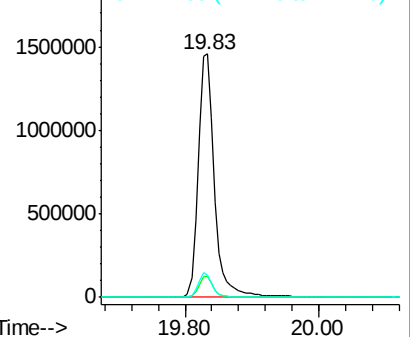
Ion	Ratio	Lower	Upper
244	100		
212	8.5	5.8	8.8
122	9.3	7.0	10.4



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

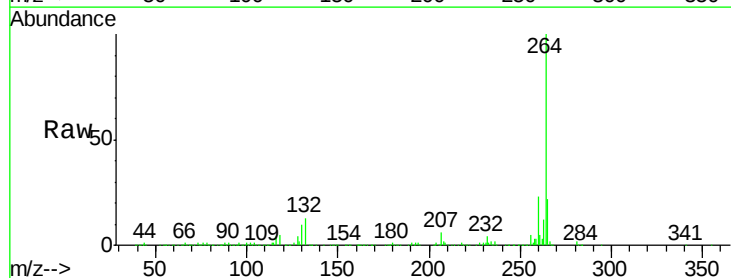
Delta R.T. -0.07 min

Lab File: BG034033.D

Acq: 27 Apr 2018 5:00

Tgt Ion:264 Resp: 628062

Ion	Ratio	Lower	Upper
264	100		
260	23.1	17.4	26.0
265	22.4	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

