

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042318\
 Data File : BG033949.D
 Acq On : 24 Apr 2018 9:53
 Operator : SJ/JU
 Sample : PB108487BL
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 24 12:09:45 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

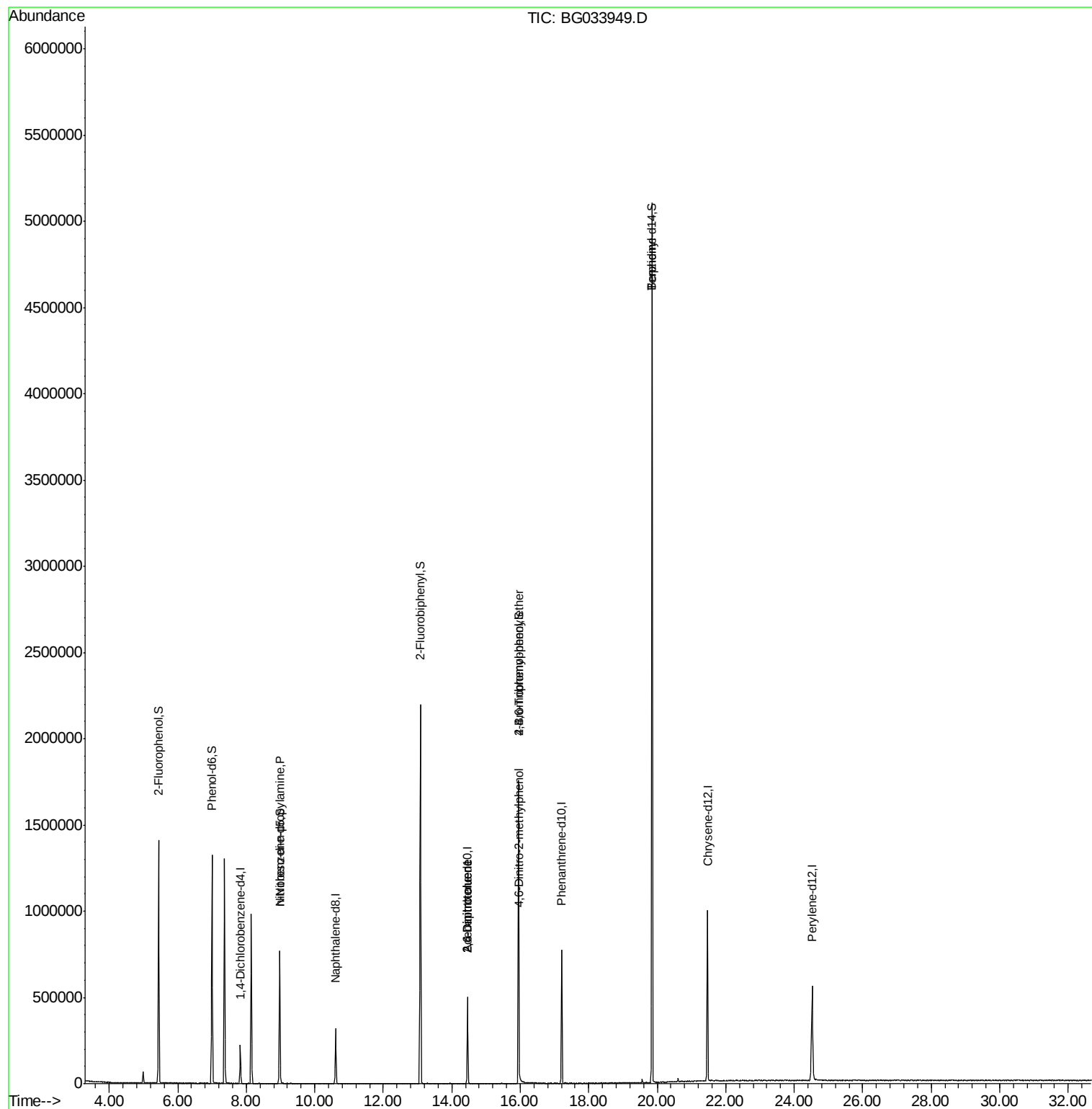
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	62497	20.00	ng	0.00
21) Naphthalene-d8	10.61	136	264257	20.00	ng	-0.02
38) Acenaphthene-d10	14.46	164	172327	20.00	ng	-0.02
63) Phenanthrene-d10	17.21	188	493544	20.00	ng	-0.02
75) Chrysene-d12	21.47	240	570871	20.00	ng	-0.02
86) Perylene-d12	24.52	264	569607	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	585534	149.58	ng	0.00
7) Phenol-d6	7.00	99	760578	133.21	ng	0.00
23) Nitrobenzene-d5	8.98	82	456816	98.38	ng	-0.01
41) 2,4,6-Tribromophenol	15.95	330	309967	154.18	ng	-0.02
44) 2-Fluorobiphenyl	13.08	172	1169838	99.72	ng	-0.02
78) Terphenyl-d14	19.84	244	2291937	90.20	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.00	77	1295	Below Cal	#	5
19) n-Nitroso-di-n-propylamine	8.98	70	63688	13.086 ng	#	75
50) 2,6-Dinitrotoluene	14.46	165	22632	7.878 ng	#	21
56) 2,4-Dinitrotoluene	14.46	165	22632	5.924 ng	#	18
64) 4,6-Dinitro-2-methylphenol	15.97	198	251	6.581 ng	#	93
66) 4-Bromophenyl-phenylether	15.96	248	22975	4.239 ng	#	1
76) Benizidine	19.84	184	38375	2.489 ng	#	91

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

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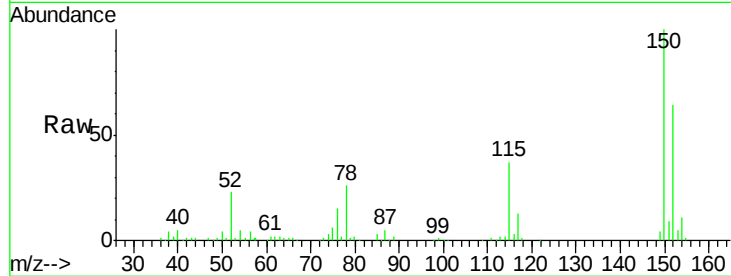


#1

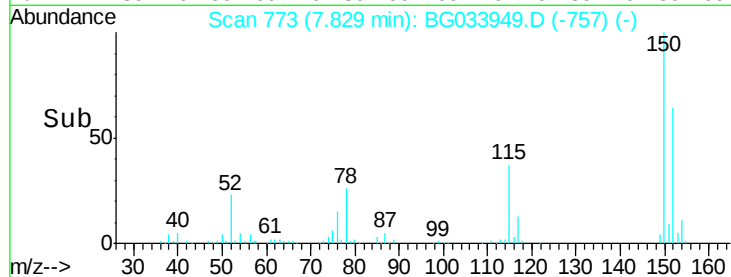
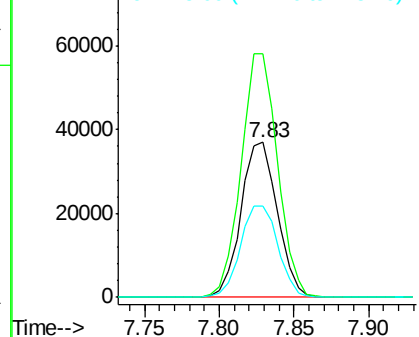
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.83 min Scan# 773
Delta R.T. -0.01 min
Lab File: BG033949.D
Acq: 24 Apr 2018 9:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	126.6	189.8
115	58.5	53.0	79.4



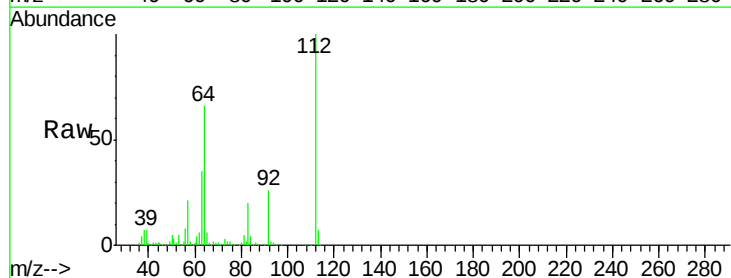
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



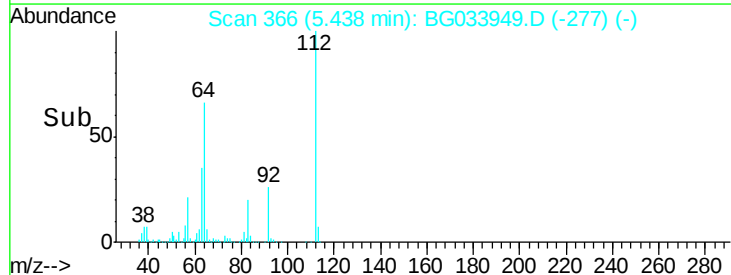
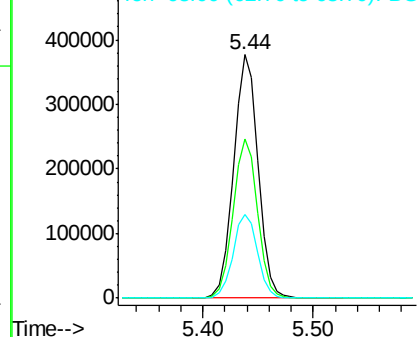
#5

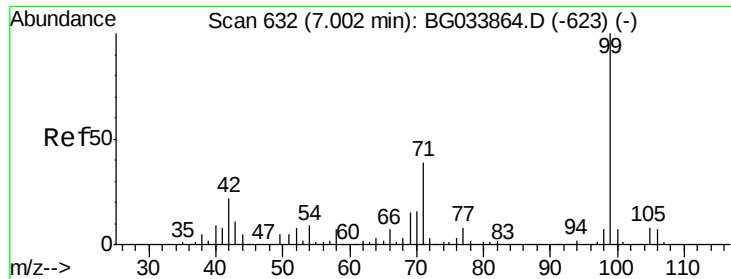
2-Fluorophenol
Concen: 149.579 ng
RT: 5.44 min Scan# 366
Delta R.T. -0.01 min
Lab File: BG033949.D
Acq: 24 Apr 2018 9:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.6	56.3	84.5
63	34.6	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: 133.211 ng

RT: 7.00 min Scan# 632

Delta R.T. -0.00 min

Lab File: BG033949.D

Acq: 24 Apr 2018 9:53

Instrument :

BNA_G

ClientSampled :

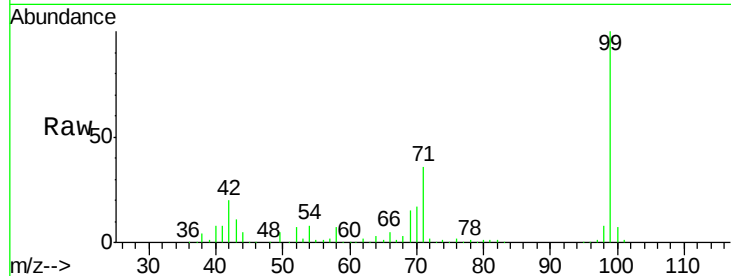
Tot Ion: 99 Resp: 760578

Ion Ratio Lower Upper

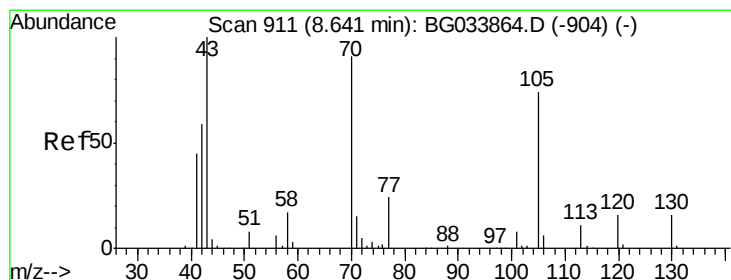
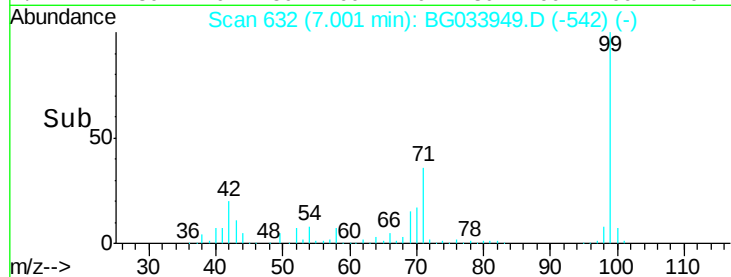
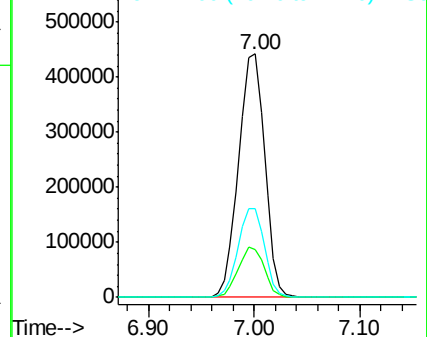
99 100

42 19.7 14.1 21.1

71 36.3 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: 13.086 ng

RT: 8.98 min Scan# 968

Delta R.T. 0.33 min

Lab File: BG033949.D

Acq: 24 Apr 2018 9:53

Tgt Ion: 70 Resp: 63688

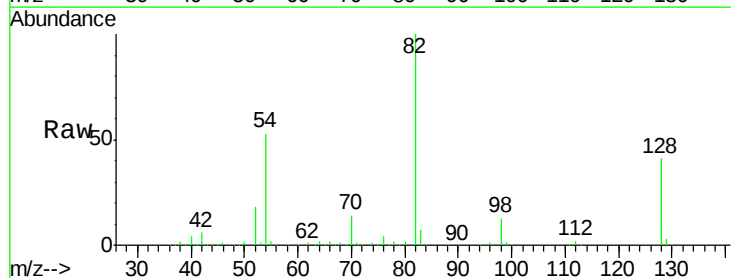
Ion Ratio Lower Upper

70 100

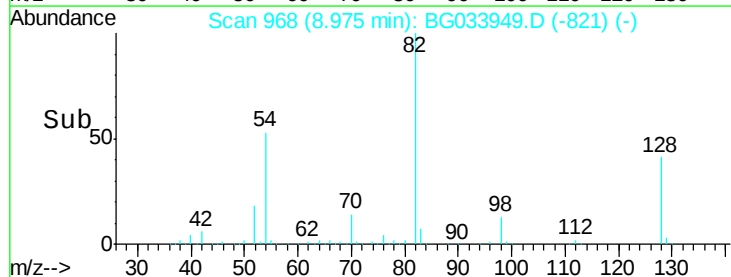
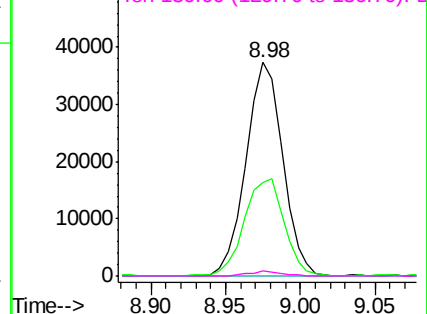
42 44.0 49.1 73.7#

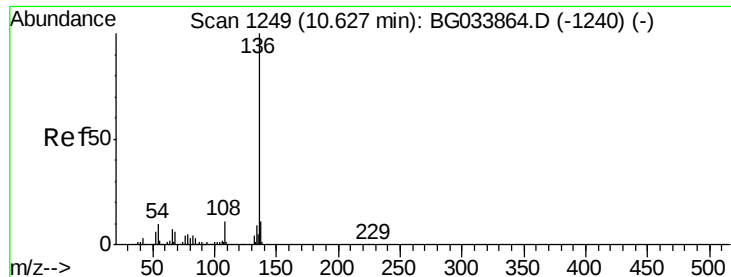
101 0.0 8.5 12.7#

130 2.3 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

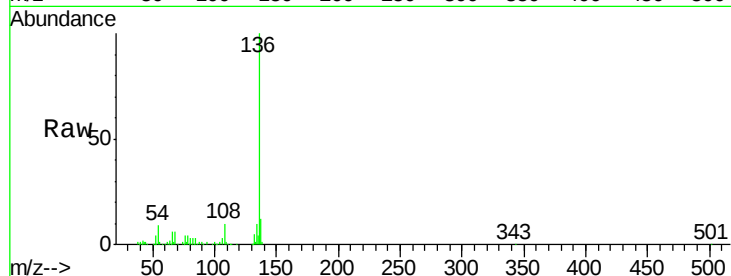




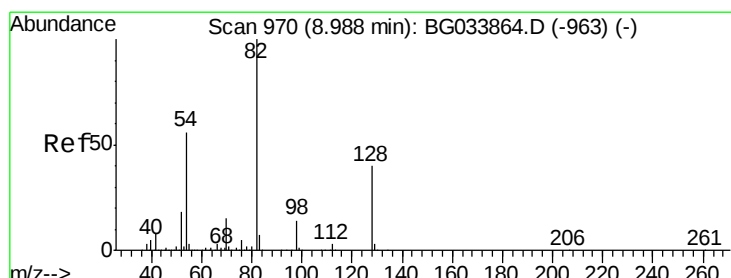
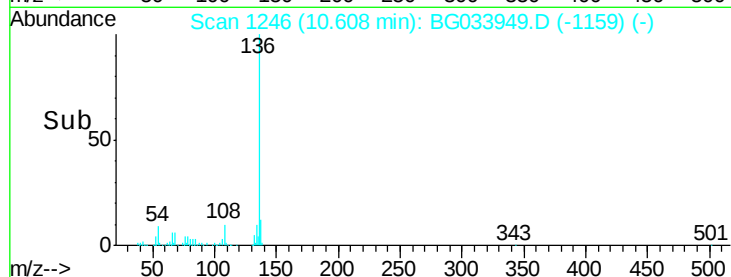
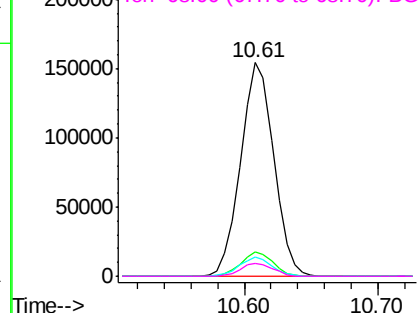
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.61 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BG033949.D
Acq: 24 Apr 2018 9:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	264257
Ion Ratio	Lower	Upper
136	100	
137	11.7	9.2 13.8
54	8.8	10.3 15.5#
68	6.2	4.5 6.7

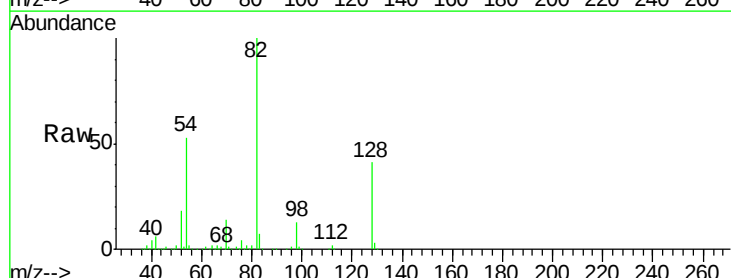


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

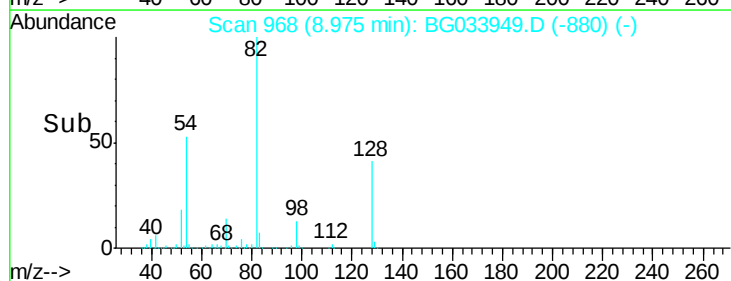
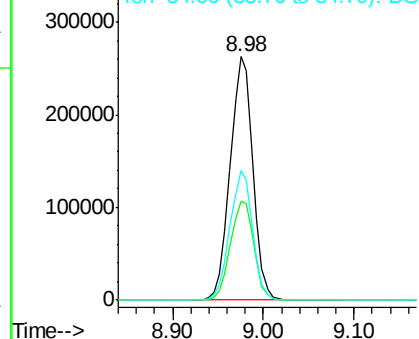


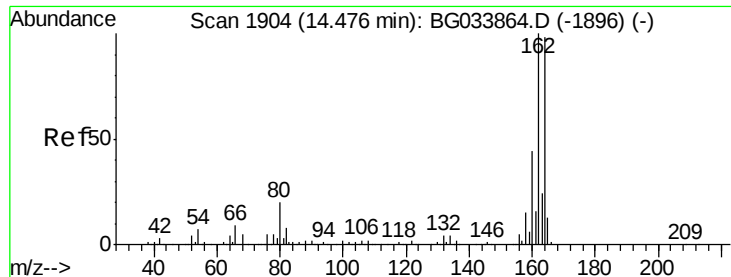
#23
Nitrobenzene-d5
Concen: 98.379 ng
RT: 8.98 min Scan# 968
Delta R.T. -0.01 min
Lab File: BG033949.D
Acq: 24 Apr 2018 9:53

Tgt Ion: 82	Resp:	456816
Ion Ratio	Lower	Upper
82	100	
128	40.9	29.7 44.5
54	53.1	43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.46 min Scan# 1901

Delta R.T. -0.02 min

Lab File: BG033949.D

Acq: 24 Apr 2018 9:53

Instrument :

BNA_G

ClientSampleId :

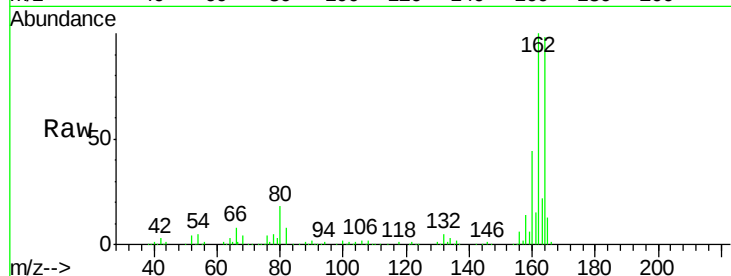
Tot Ion:164 Resp: 172327

Ion Ratio Lower Upper

164 100

162 101.5 78.8 118.2

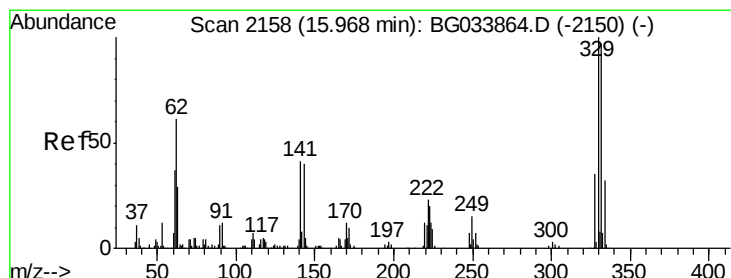
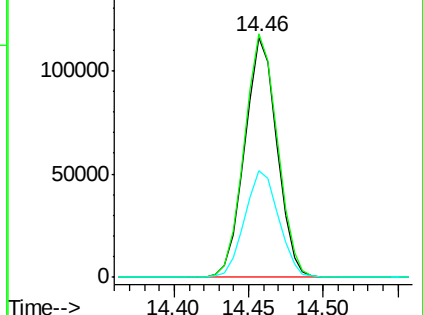
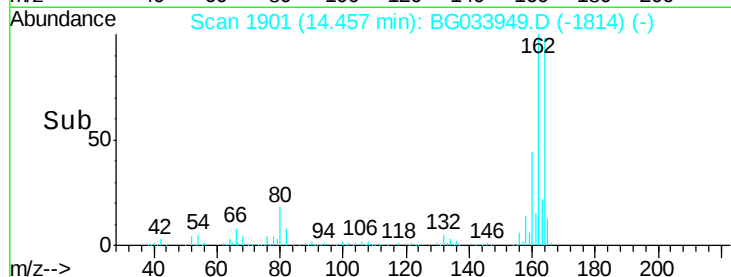
160 44.4 35.4 53.0



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: 154.176 ng

RT: 15.95 min Scan# 2155

Delta R.T. -0.02 min

Lab File: BG033949.D

Acq: 24 Apr 2018 9:53

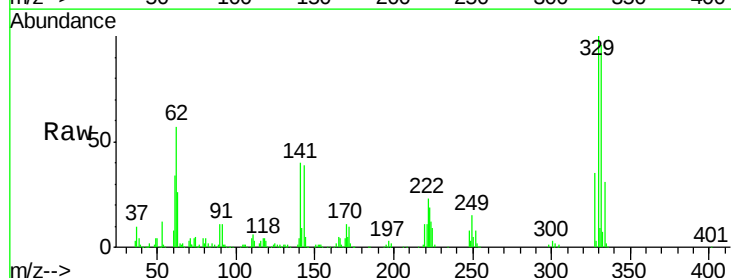
Tgt Ion:330 Resp: 309967

Ion Ratio Lower Upper

330 100

332 96.9 77.0 115.6

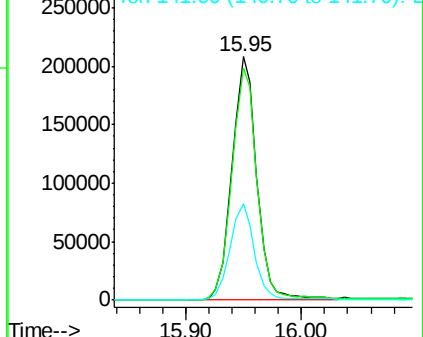
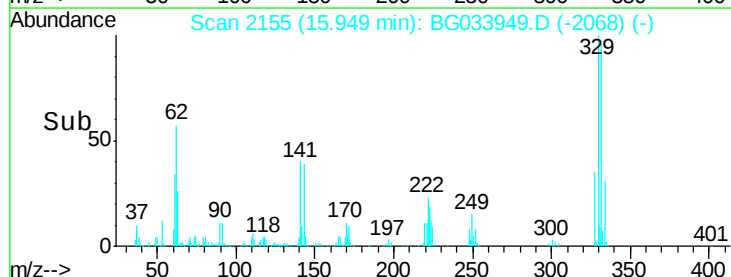
141 39.0 25.2 37.8#

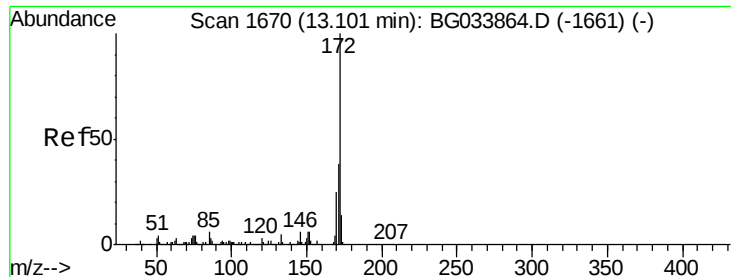


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

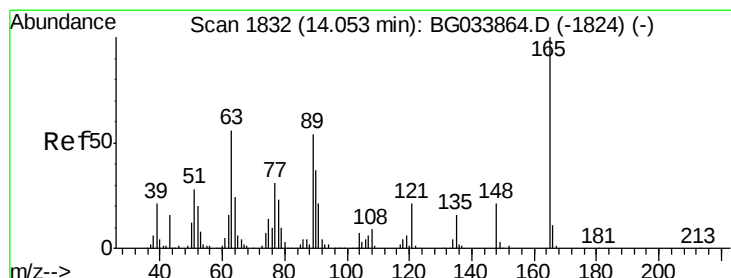
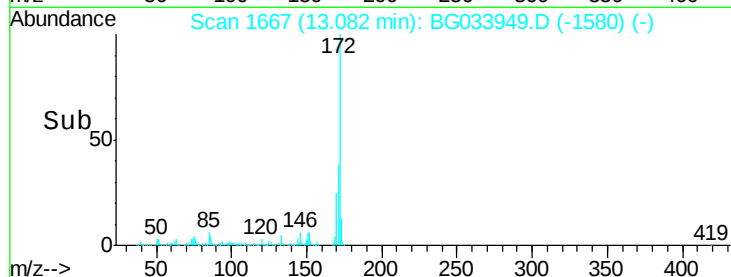
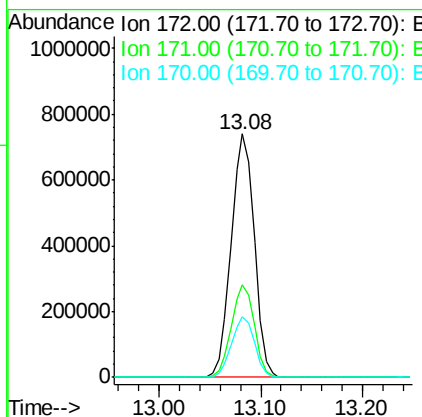
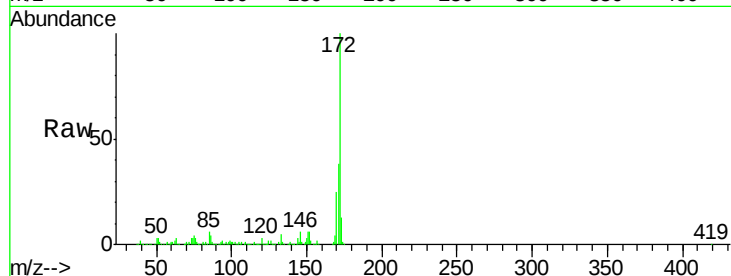




#44
 2-Fluorobiphenyl
 Concen: 99.724 ng
 RT: 13.08 min Scan# 1667
 Delta R.T. -0.02 min
 Lab File: BG033949.D
 Acq: 24 Apr 2018 9:53

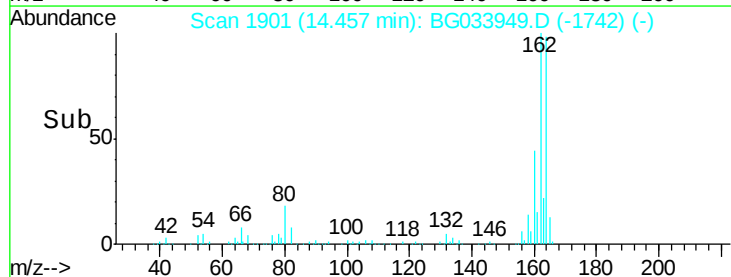
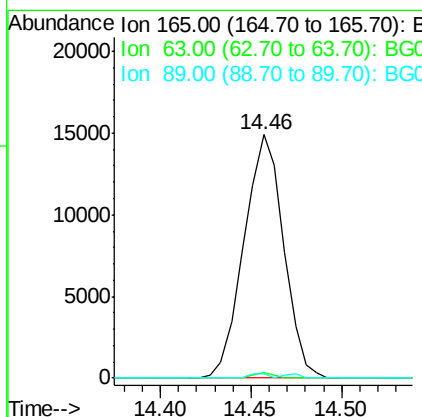
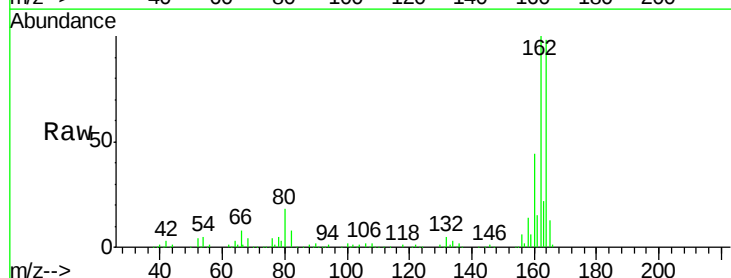
Instrument :
 BNA_G
 ClientSampled :

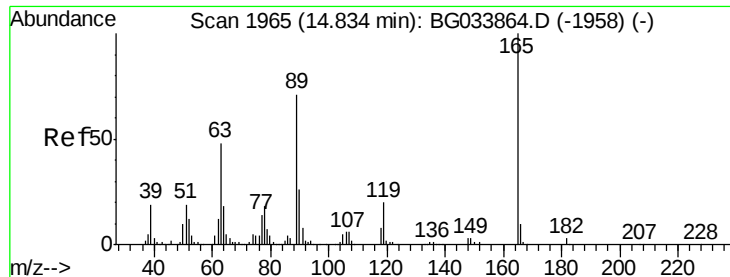
Tot Ion:172 Resp: 1169838
 Ion Ratio Lower Upper
 172 100
 171 38.3 30.0 45.0
 170 24.8 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.878 ng
 RT: 14.46 min Scan# 1901
 Delta R.T. 0.40 min
 Lab File: BG033949.D
 Acq: 24 Apr 2018 9:53

Tgt Ion:165 Resp: 22632
 Ion Ratio Lower Upper
 165 100
 63 2.1 52.7 79.1#
 89 1.5 49.2 73.8#

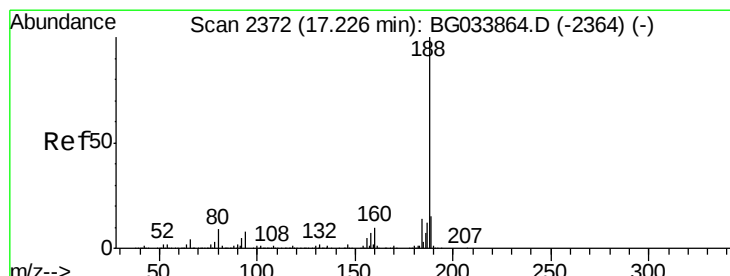
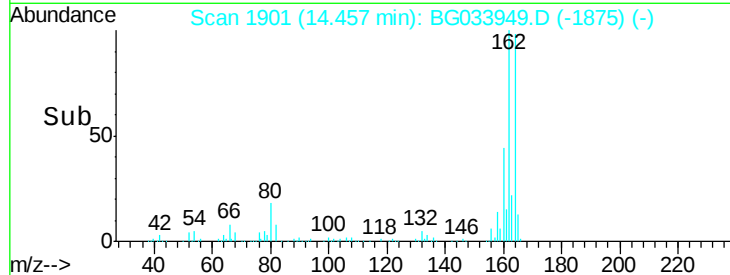
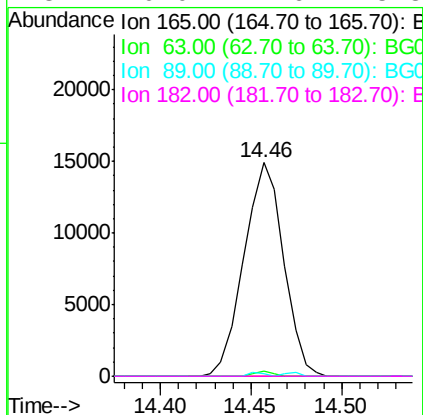
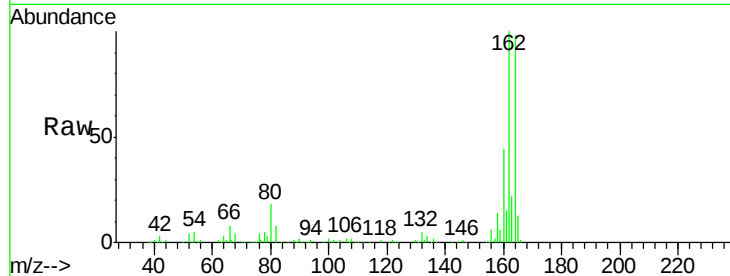




#56
 2,4-Dinitrotoluene
 Concen: 5.924 ng
 RT: 14.46 min Scan# 1901
 Delta R.T. -0.38 min
 Lab File: BG033949.D
 Acq: 24 Apr 2018 9:53

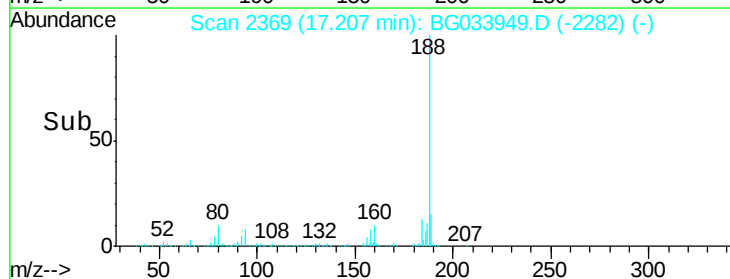
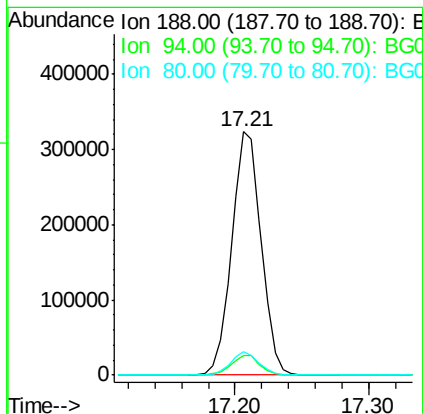
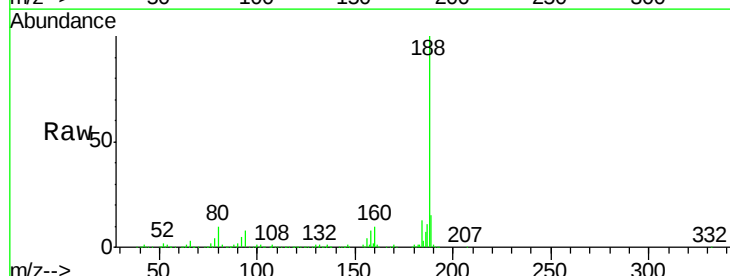
Instrument :
 BNA_G
 ClientSampleId :

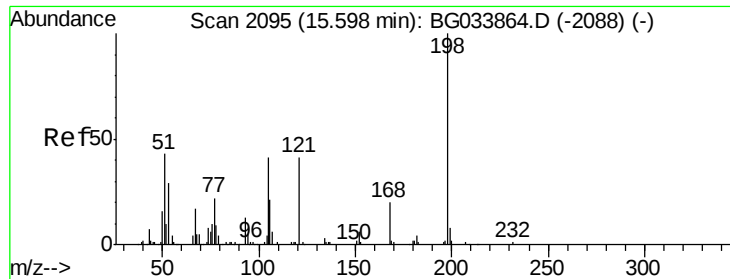
Tot Ion:165	Resp: 22632
Ion Ratio	Lower Upper
165 100	
63 2.1	42.0 63.0#
89 1.5	66.9 100.3#
182 0.0	2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.21 min Scan# 2369
 Delta R.T. -0.02 min
 Lab File: BG033949.D
 Acq: 24 Apr 2018 9:53

Tgt	Ion:188	Resp:	493544
Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.9	10.3
80	9.6	7.7	11.5





#64

4,6-Dinitro-2-methylphenol

Concen: 6.581 ng

RT: 15.97 min Scan# 2158

Delta R.T. 0.37 min

Lab File: BG033949.D

Acq: 24 Apr 2018 9:53

Instrument :

BNA_G

ClientSampleId :

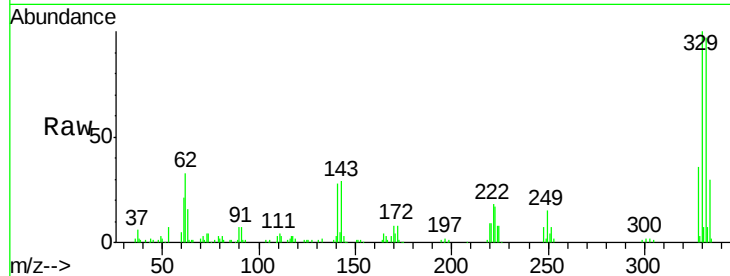
Tot Ion:198 Resp: 251

Ion Ratio Lower Upper

198 100

51 42.0 30.6 70.6

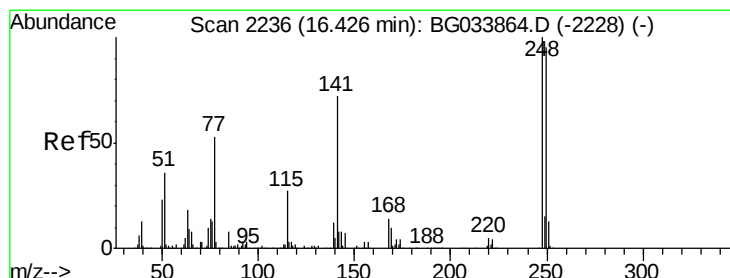
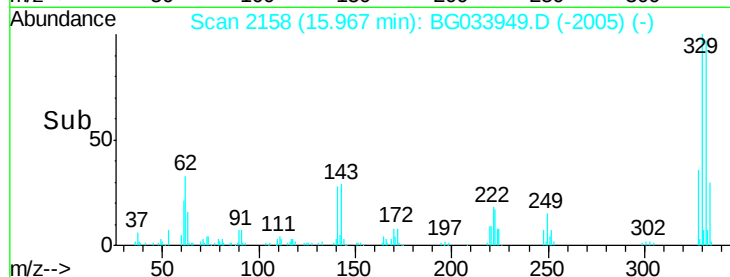
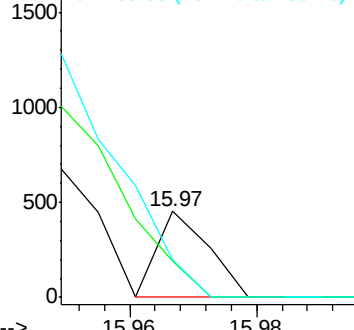
105 43.8 23.8 63.8



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.239 ng

RT: 15.96 min Scan# 2156

Delta R.T. -0.47 min

Lab File: BG033949.D

Acq: 24 Apr 2018 9:53

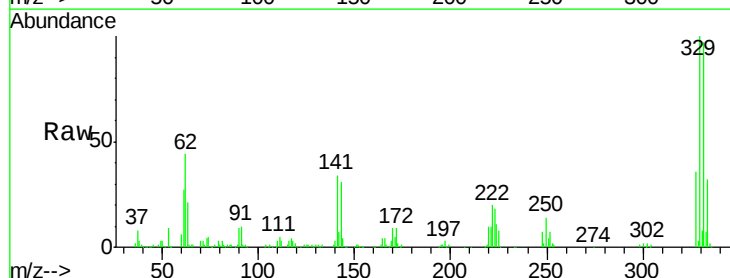
Tgt Ion:248 Resp: 22975

Ion Ratio Lower Upper

248 100

250 191.2 77.1 115.7#

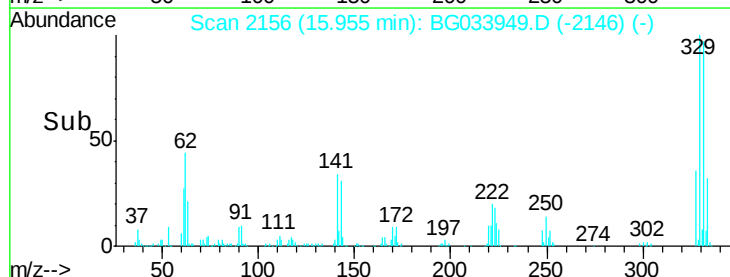
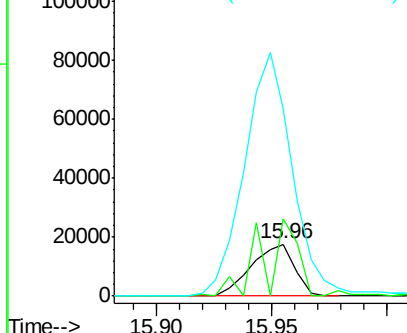
141 361.0 50.8 76.2#

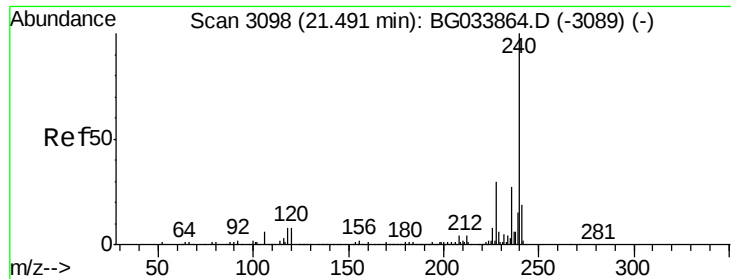


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

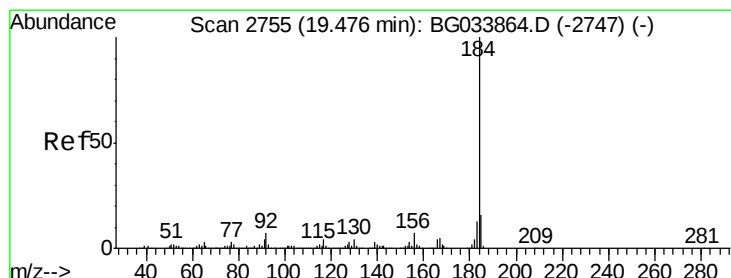
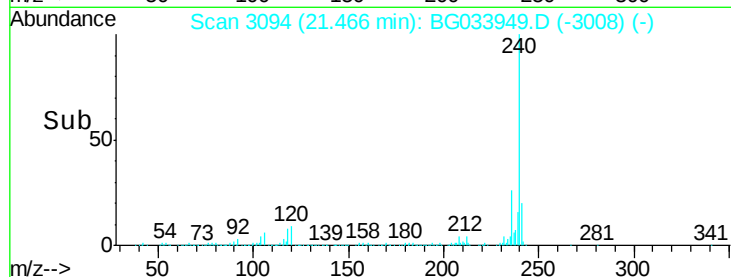
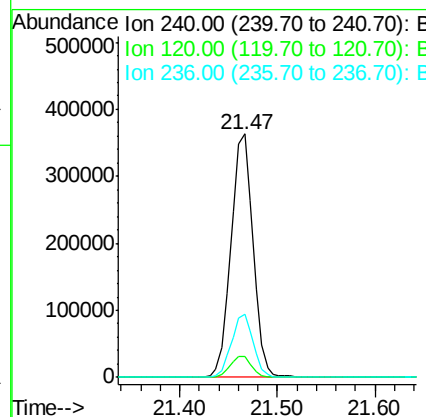
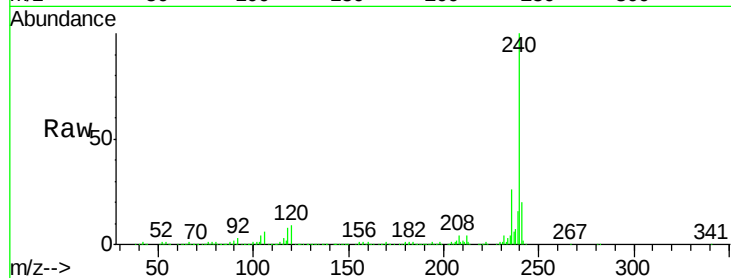




#75
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.47 min Scan# 3094
 Delta R.T. -0.02 min
 Lab File: BG033949.D
 Acq: 24 Apr 2018 9:53

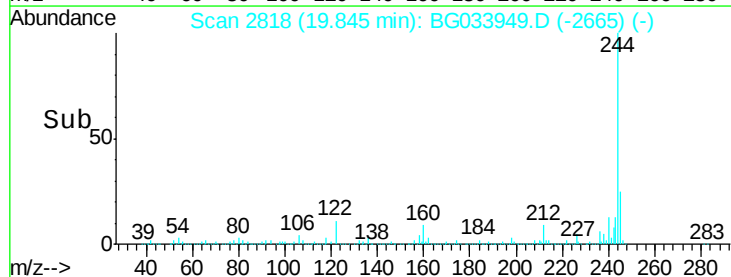
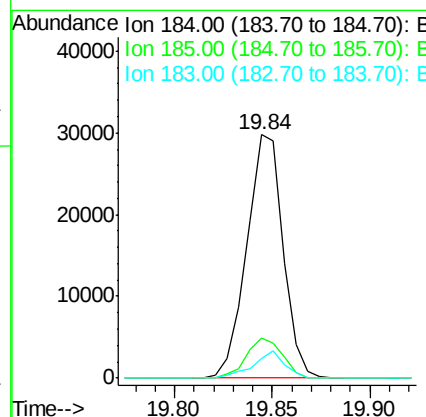
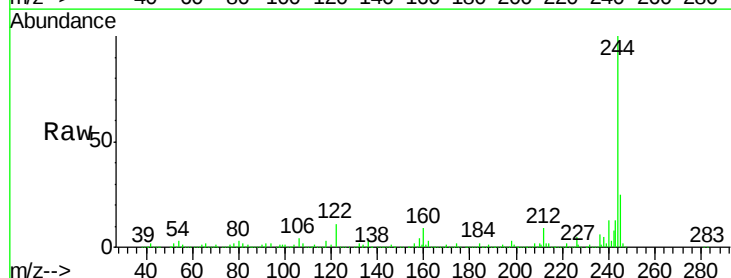
Instrument :
 BNA_G
 ClientSampleId :

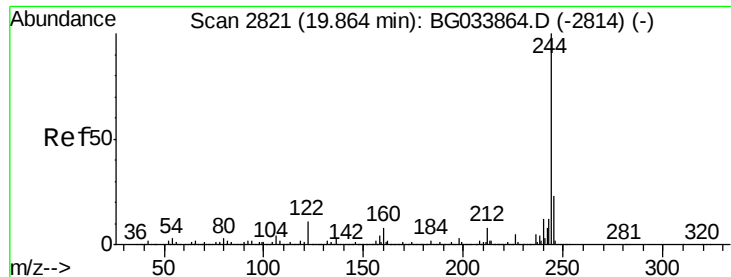
Tot Ion:240 Resp: 570871
 Ion Ratio Lower Upper
 240 100
 120 8.7 6.8 10.2
 236 25.7 20.9 31.3



#76
 Benzidine
 Concen: 2.489 ng
 RT: 19.84 min Scan# 2818
 Delta R.T. 0.37 min
 Lab File: BG033949.D
 Acq: 24 Apr 2018 9:53

Tgt Ion:184 Resp: 38375
 Ion Ratio Lower Upper
 184 100
 185 16.3 11.1 16.7
 183 8.3 10.6 16.0#





#78

Terphenyl-d14

Concen: 90.197 ng

RT: 19.84 min Scan# 2818

Delta R.T. -0.02 min

Lab File: BG033949.D

Acq: 24 Apr 2018 9:53

Instrument :

BNA_G

ClientSampleId :

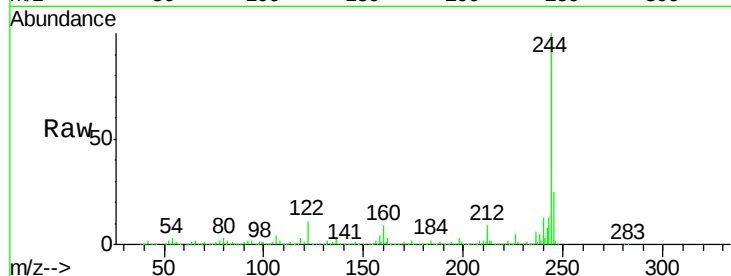
Tot Ion:244 Resp: 2291937

Ion Ratio Lower Upper

244 100

212 9.2 5.8 8.8#

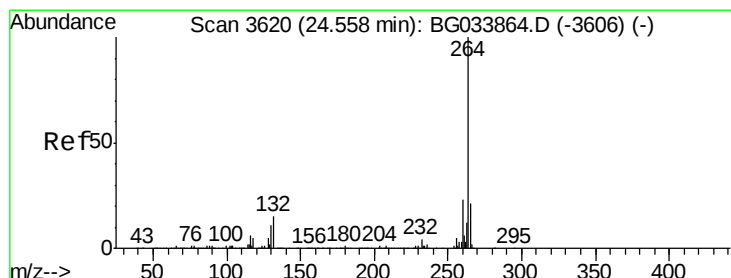
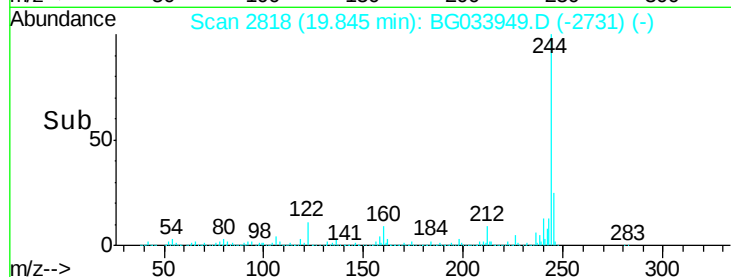
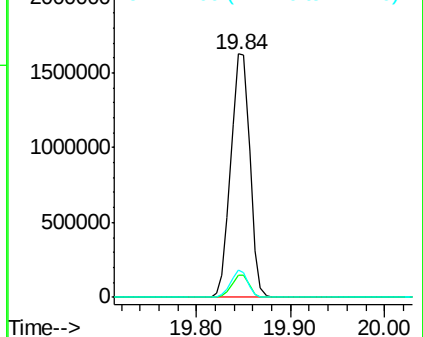
122 11.5 7.0 10.4#



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: 24.52 min Scan# 3614

Delta R.T. -0.04 min

Lab File: BG033949.D

Acq: 24 Apr 2018 9:53

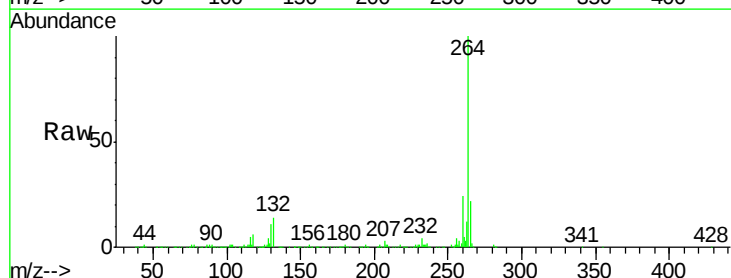
Tgt Ion:264 Resp: 569607

Ion Ratio Lower Upper

264 100

260 24.3 17.4 26.0

265 22.0 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

