

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042518\
 Data File : BG034013.D
 Acq On : 26 Apr 2018 8:32
 Operator : SJ/JU
 Sample : J2541-02
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 26 15:06:50 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

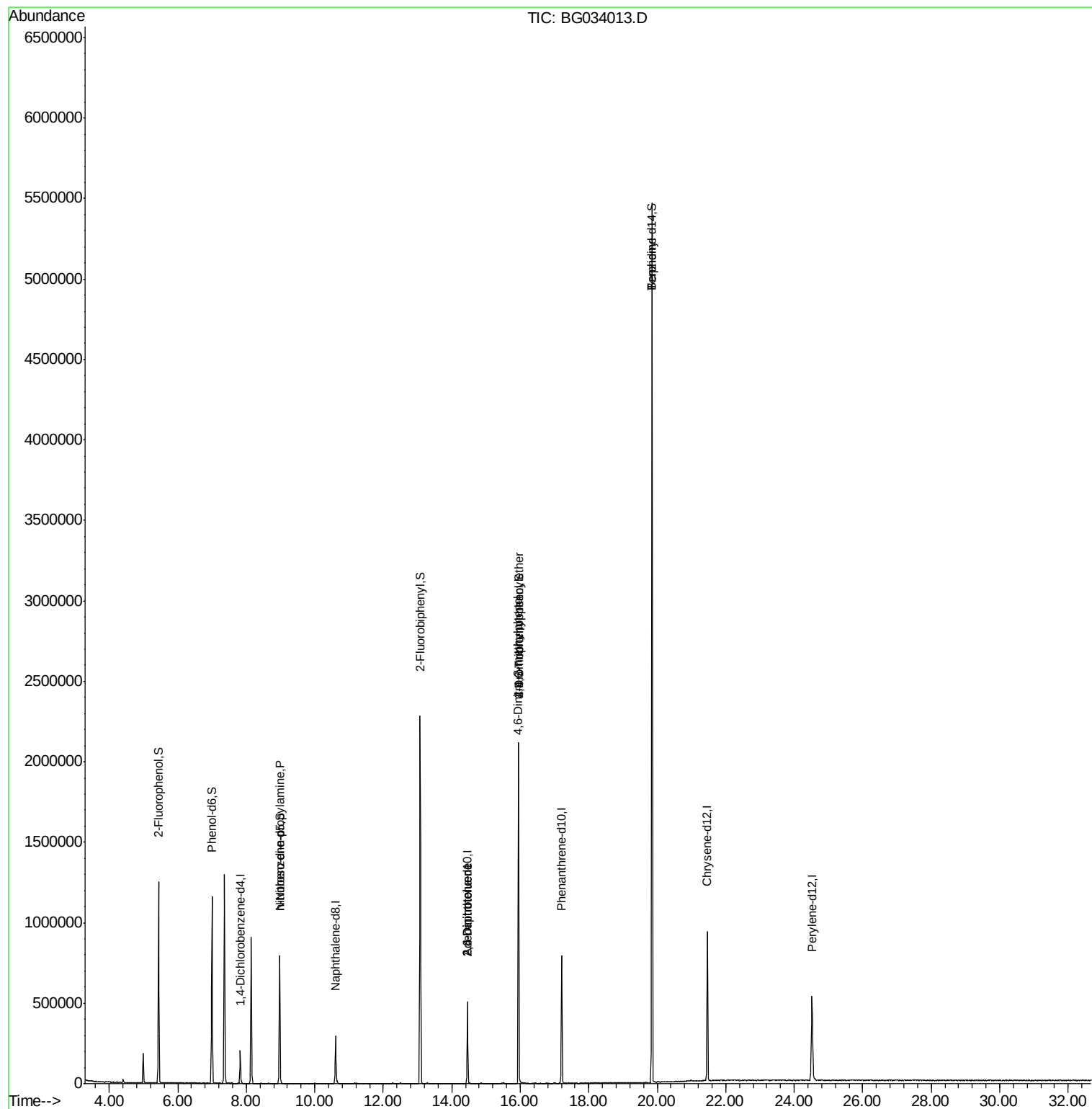
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	57304	20.00	ng	-0.01
21) Naphthalene-d8	10.61	136	258995	20.00	ng	-0.02
38) Acenaphthene-d10	14.46	164	177145	20.00	ng	-0.02
63) Phenanthrene-d10	17.21	188	496960	20.00	ng	-0.02
75) Chrysene-d12	21.46	240	560743	20.00	ng	-0.03
86) Perylene-d12	24.52	264	551997	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	520327	144.97	ng	0.00
7) Phenol-d6	7.00	99	646199	123.43	ng	0.00
23) Nitrobenzene-d5	8.98	82	479054	105.26	ng	-0.01
41) 2,4,6-Tribromophenol	15.95	330	397515	192.34	ng	-0.02
44) 2-Fluorobiphenyl	13.08	172	1228192	101.85	ng	-0.02
78) Terphenyl-d14	19.85	244	2439085	97.72	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.99	77	992	Below Cal	Qvalue	# 5
19) n-Nitroso-di-n-propylamine	8.98	70	64539	14.462 ng	#	79
50) 2,6-Dinitrotoluene	14.45	165	23358	7.910 ng	#	19
56) 2,4-Dinitrotoluene	14.45	165	23358	5.948 ng	#	17
64) 4,6-Dinitro-2-methylphenol	15.94	198	1655	7.087 ng		80
66) 4-Bromophenyl-phenylether	15.94	248	13501	2.474 ng	#	1
76) Benizidine	19.85	184	41011	2.708 ng	#	91

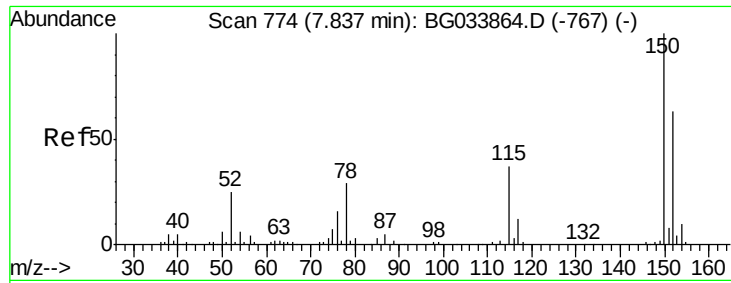
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 27 Sample Multiplier: 1

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ClientSampleId :

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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



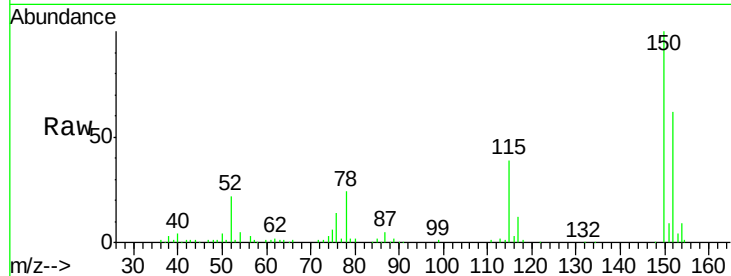


#1

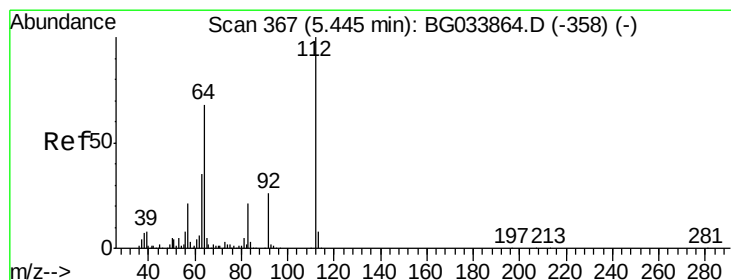
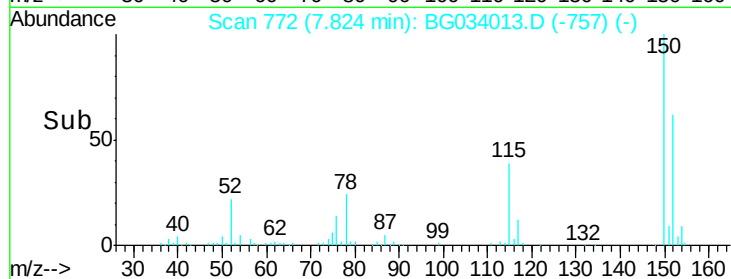
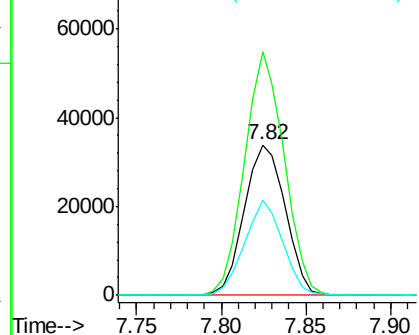
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.82 min Scan# 772
Delta R.T. -0.01 min
Lab File: BG034013.D
Acq: 26 Apr 2018 8:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 57304
Ion Ratio Lower Upper
152 100
150 161.4 126.6 189.8
115 62.8 53.0 79.4



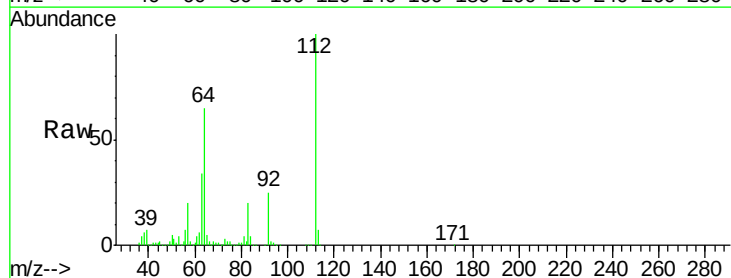
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



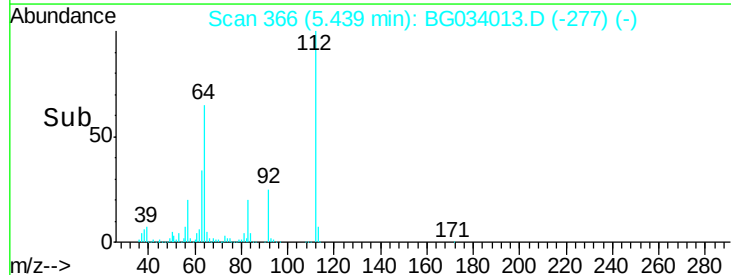
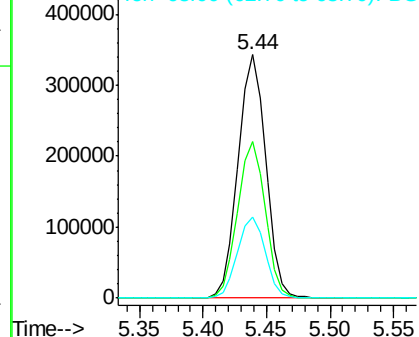
#5

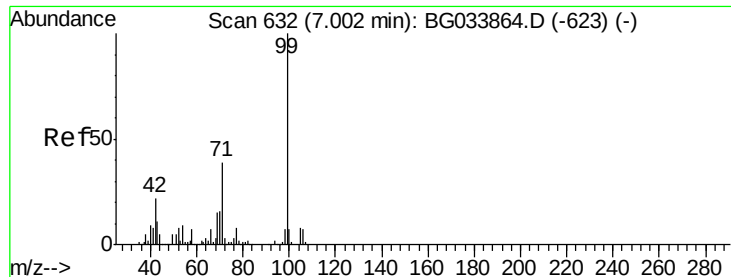
2-Fluorophenol
Concen: 144.967 ng
RT: 5.44 min Scan# 366
Delta R.T. -0.01 min
Lab File: BG034013.D
Acq: 26 Apr 2018 8:32

Tgt Ion:112 Resp: 520327
Ion Ratio Lower Upper
112 100
64 64.6 56.3 84.5
63 33.5 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: 123.434 ng

RT: 7.00 min Scan# 631

Delta R.T. -0.01 min

Lab File: BG034013.D

Acq: 26 Apr 2018 8:32

Instrument :

BNA_G

ClientSampleId :

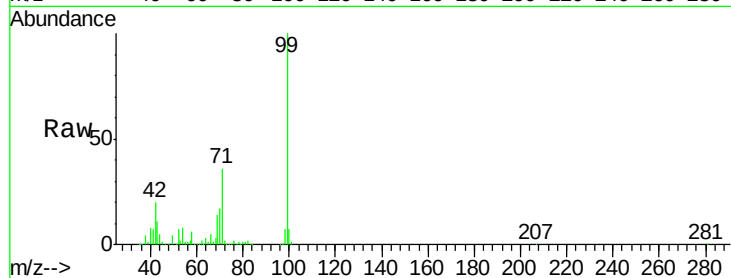
Tot Ion: 99 Resp: 646199

Ion Ratio Lower Upper

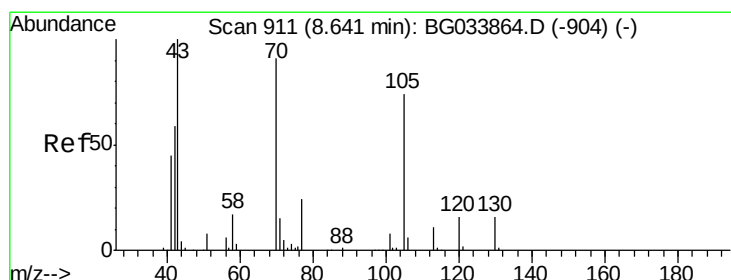
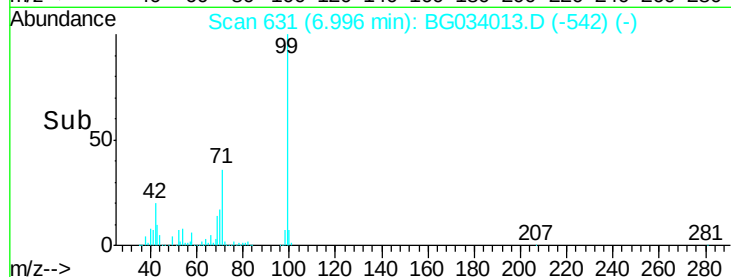
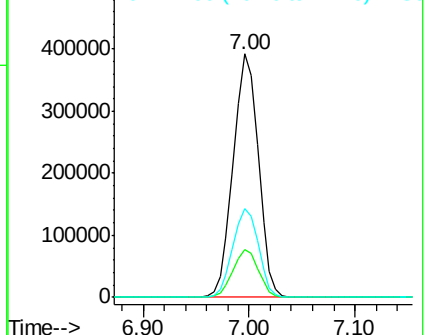
99 100

42 19.6 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: 14.462 ng

RT: 8.98 min Scan# 968

Delta R.T. 0.33 min

Lab File: BG034013.D

Acq: 26 Apr 2018 8:32

Tgt Ion: 70 Resp: 64539

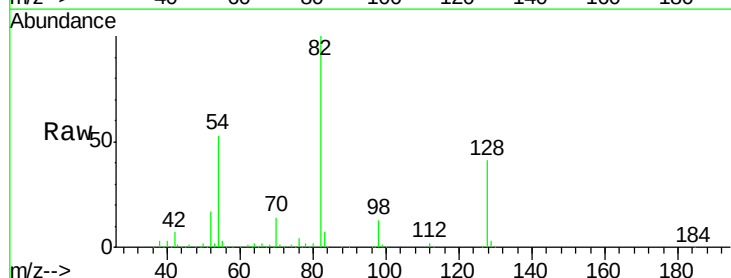
Ion Ratio Lower Upper

70 100

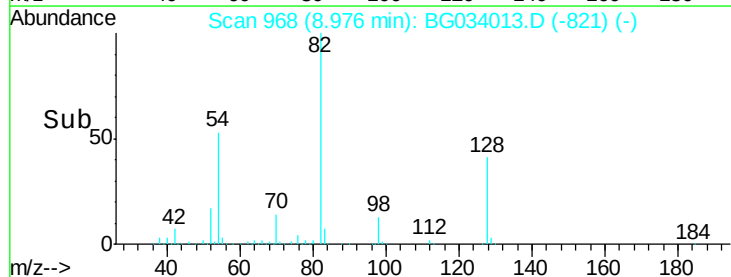
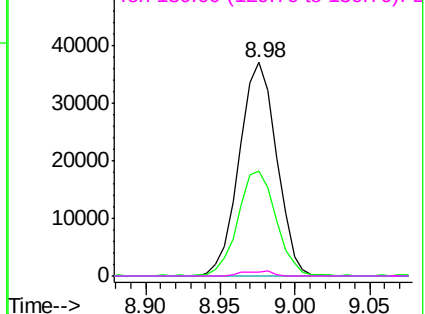
42 49.2 49.1 73.7

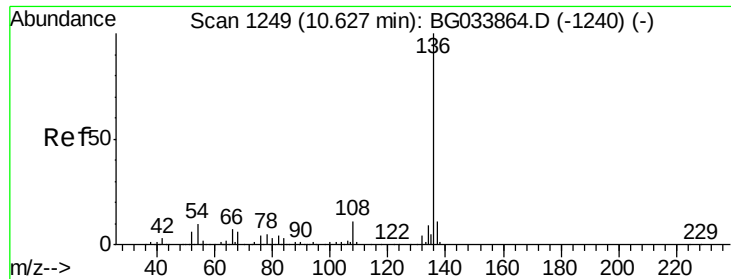
101 0.0 8.5 12.7#

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

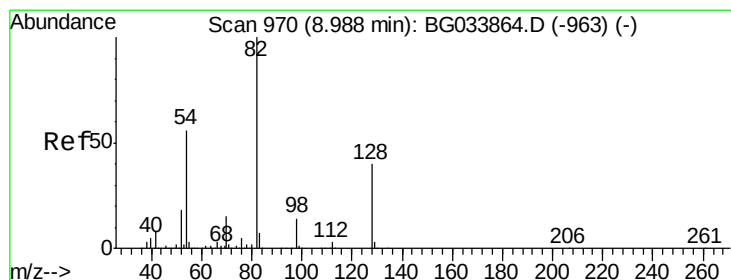
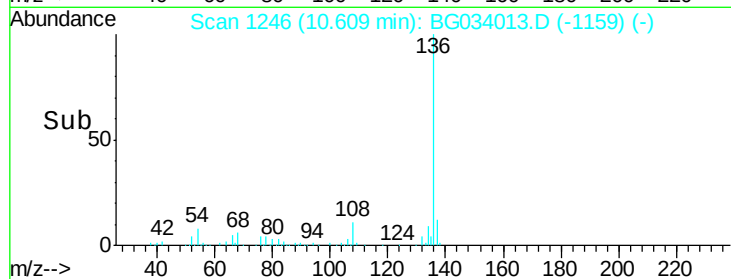
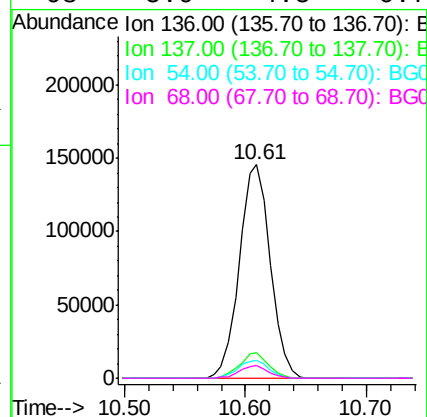
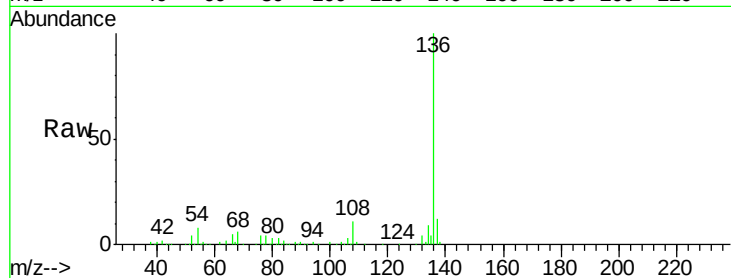




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.61 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BG034013.D
Acq: 26 Apr 2018 8:32

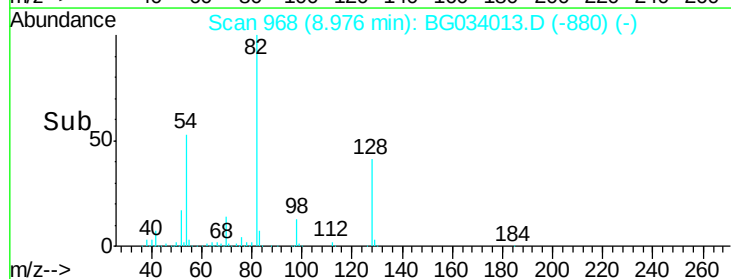
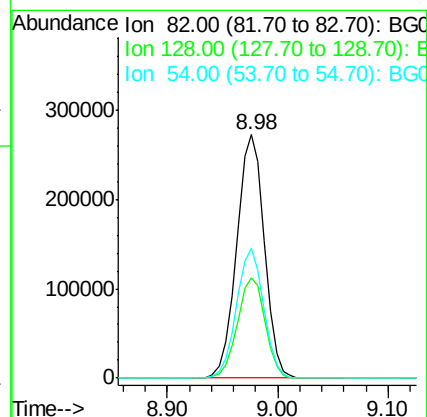
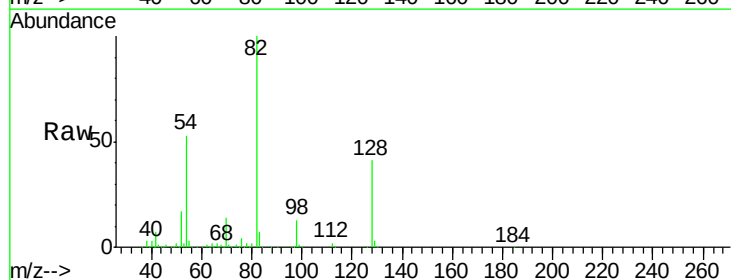
Instrument :
BNA_G
ClientSampleId :

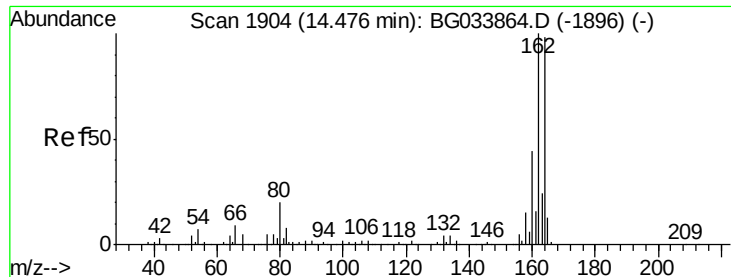
Tot Ion:136	Resp:	258995
Ion Ratio	Lower	Upper
136	100	
137	12.0	9.2 13.8
54	8.1	10.3 15.5#
68	5.9	4.5 6.7



#23
Nitrobenzene-d5
Concen: 105.264 ng
RT: 8.98 min Scan# 968
Delta R.T. -0.01 min
Lab File: BG034013.D
Acq: 26 Apr 2018 8:32

Tgt Ion: 82	Resp:	479054
Ion Ratio	Lower	Upper
82	100	
128	41.3	29.7 44.5
54	53.2	43.1 64.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.46 min Scan# 1901

Delta R.T. -0.02 min

Lab File: BG034013.D

Acq: 26 Apr 2018 8:32

Instrument :

BNA_G

ClientSampleId :

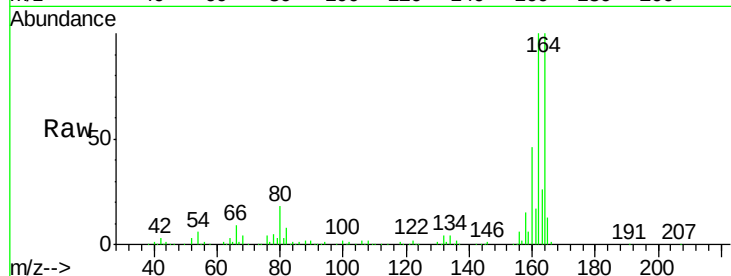
Tot Ion:164 Resp: 177145

Ion Ratio Lower Upper

164 100

162 99.7 78.8 118.2

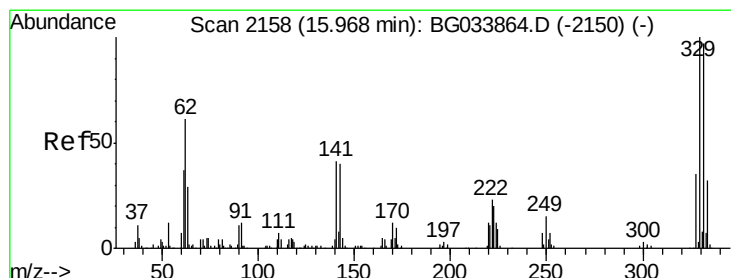
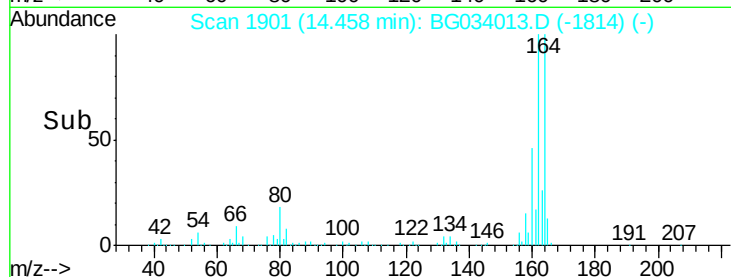
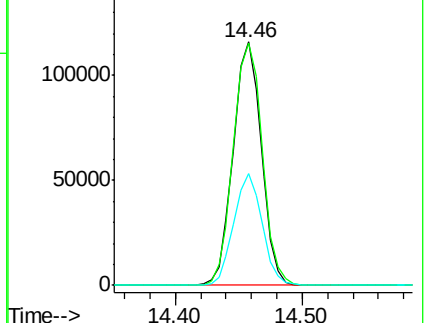
160 45.9 35.4 53.0



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: 192.345 ng

RT: 15.95 min Scan# 2155

Delta R.T. -0.02 min

Lab File: BG034013.D

Acq: 26 Apr 2018 8:32

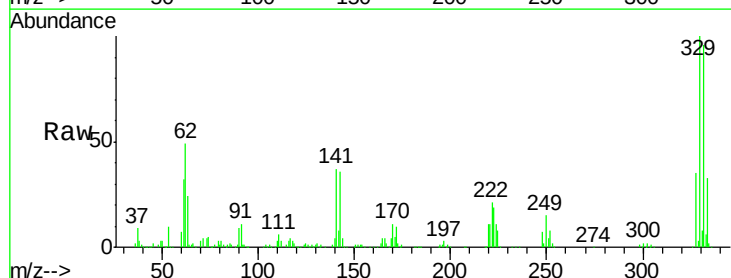
Tgt Ion:330 Resp: 397515

Ion Ratio Lower Upper

330 100

332 95.3 77.0 115.6

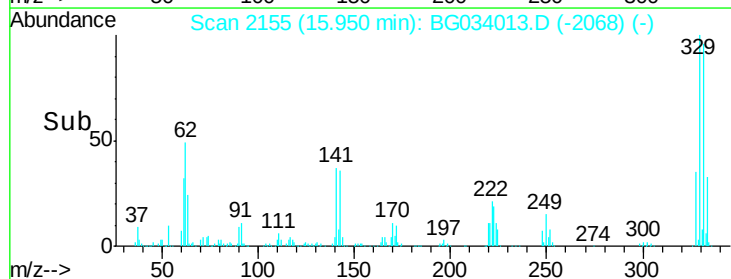
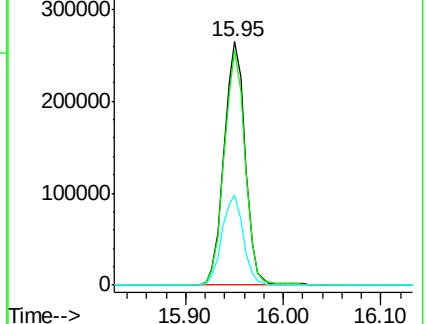
141 37.0 25.2 37.8

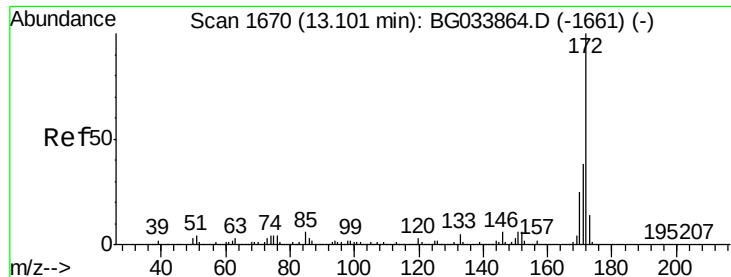


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

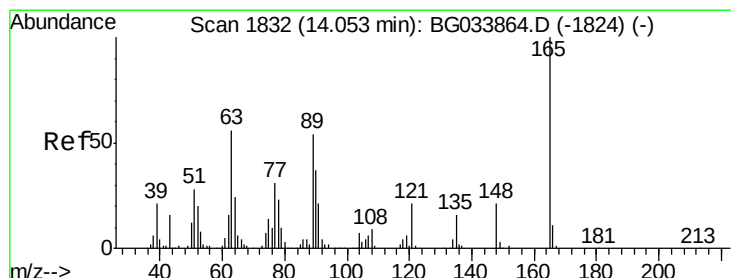
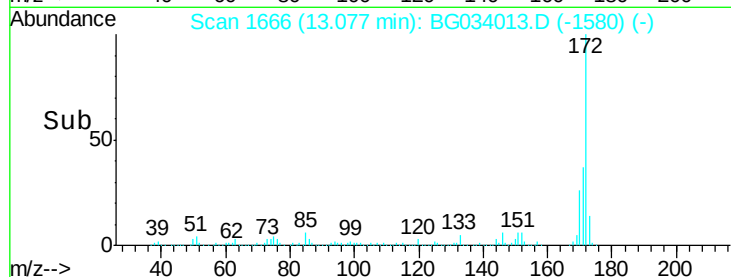
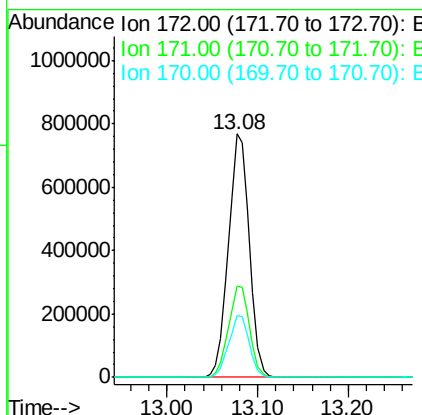
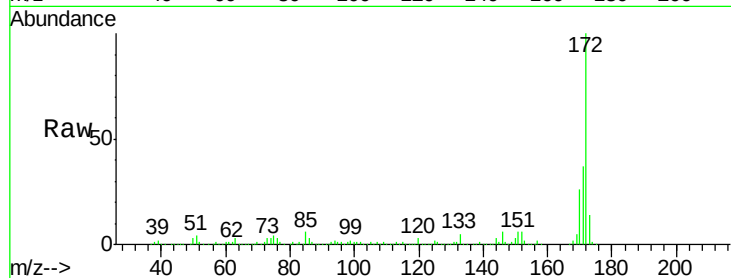




#44
 2-Fluorobiphenyl
 Concen: 101.851 ng
 RT: 13.08 min Scan# 1666
 Delta R.T. -0.02 min
 Lab File: BG034013.D
 Acq: 26 Apr 2018 8:32

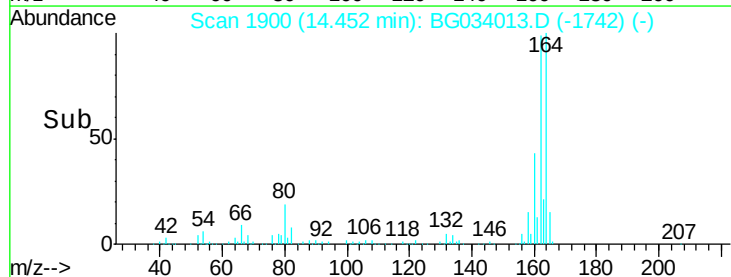
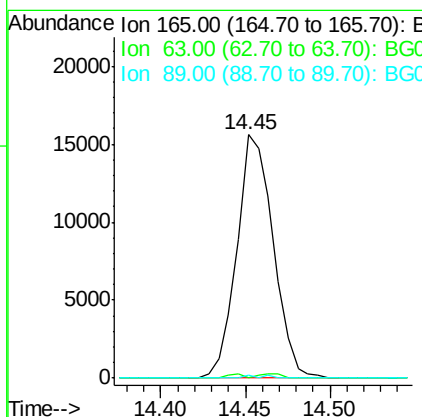
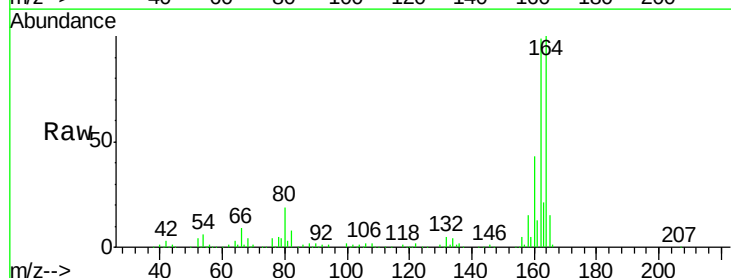
Instrument :
 BNA_G
 ClientSampled :

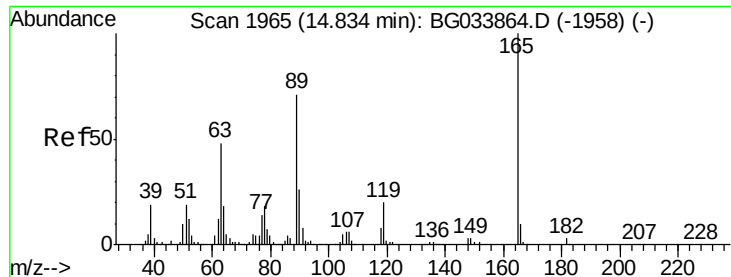
Tot Ion:172 Resp: 1228192
 Ion Ratio Lower Upper
 172 100
 171 37.3 30.0 45.0
 170 25.5 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.910 ng
 RT: 14.45 min Scan# 1900
 Delta R.T. 0.40 min
 Lab File: BG034013.D
 Acq: 26 Apr 2018 8:32

Tgt Ion:165 Resp: 23358
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 1.0 49.2 73.8#

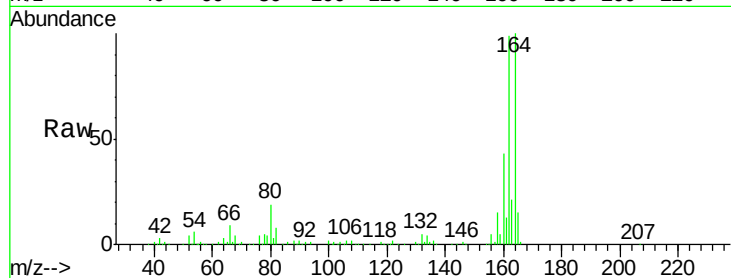




#56
 2,4-Dinitrotoluene
 Concen: 5.948 ng
 RT: 14.45 min Scan# 1900
 Delta R.T. -0.38 min
 Lab File: BG034013.D
 Acq: 26 Apr 2018 8:32

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	1.0	66.9	100.3#
182	0.0	2.6	3.8#

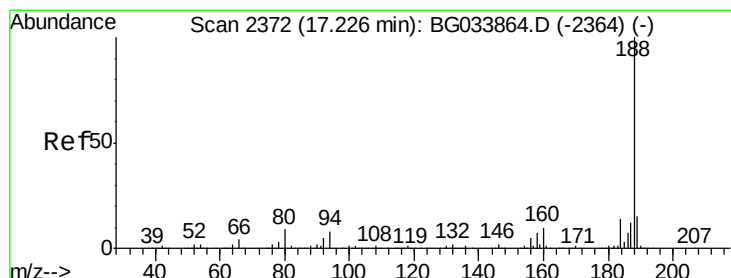
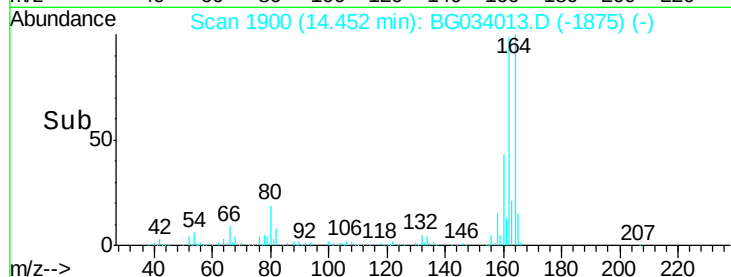
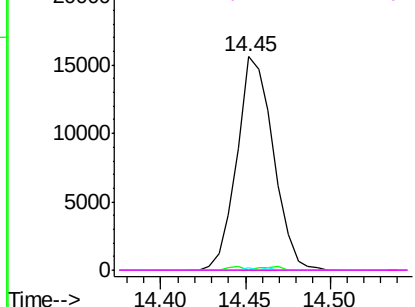


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

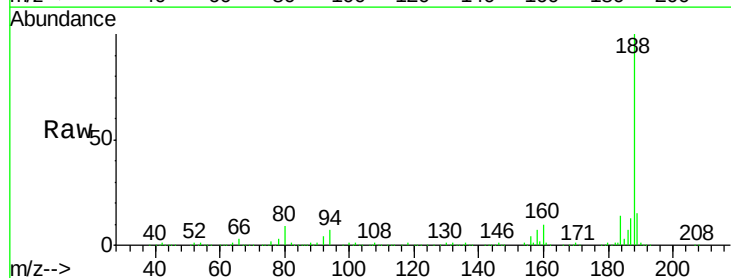
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.21 min Scan# 2369
 Delta R.T. -0.02 min
 Lab File: BG034013.D
 Acq: 26 Apr 2018 8:32

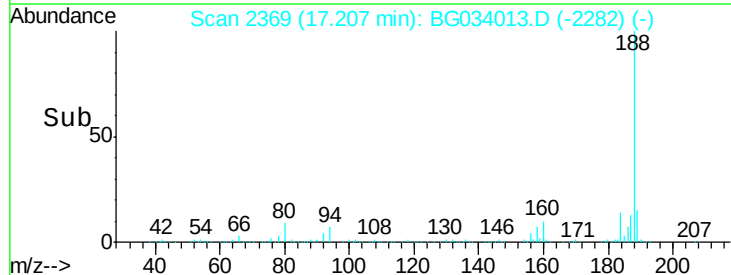
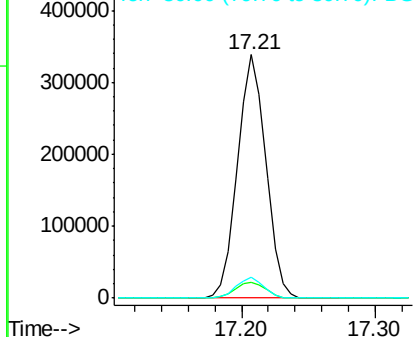
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.5	6.9	10.3#
80	8.6	7.7	11.5

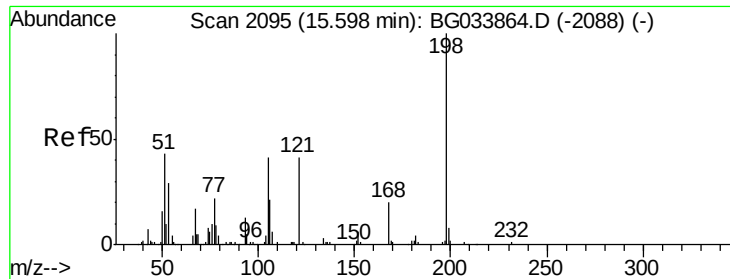


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.087 ng

RT: 15.94 min Scan# 2153

Delta R.T. 0.34 min

Lab File: BG034013.D

Acq: 26 Apr 2018 8:32

Instrument :

BNA_G

ClientSampleId :

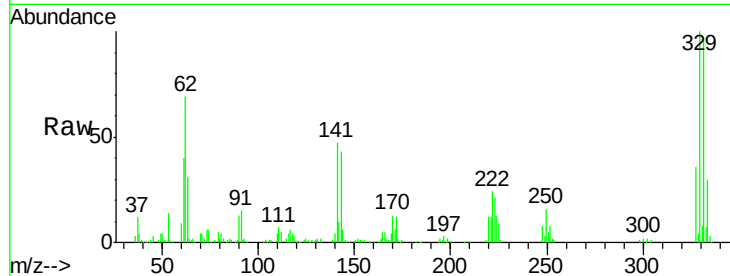
Tot Ion:198 Resp: 1655

Ion Ratio Lower Upper

198 100

51 41.2 30.6 70.6

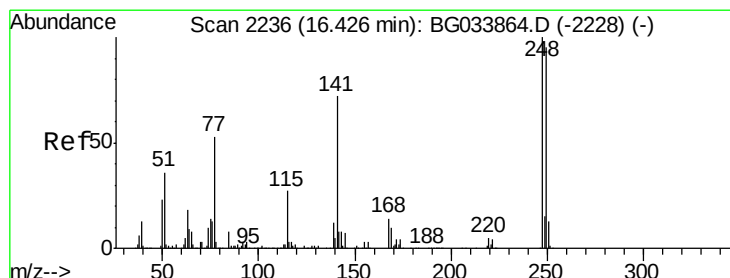
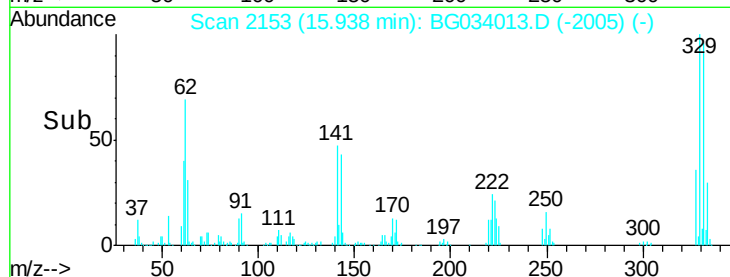
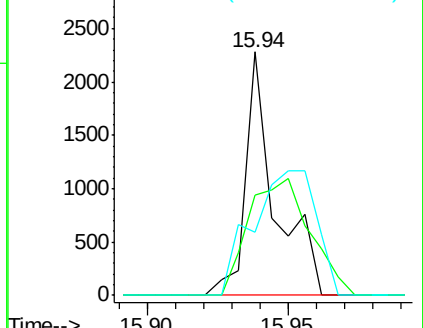
105 26.0 23.8 63.8



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



#66

4-Bromophenyl-phenylether

Concen: 2.474 ng

RT: 15.94 min Scan# 2154

Delta R.T. -0.48 min

Lab File: BG034013.D

Acq: 26 Apr 2018 8:32

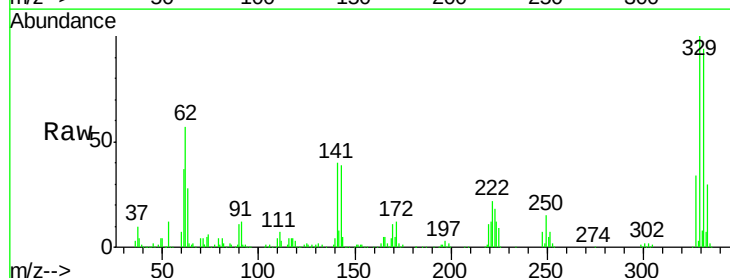
Tgt Ion:248 Resp: 13501

Ion Ratio Lower Upper

248 100

250 206.1 77.1 115.7#

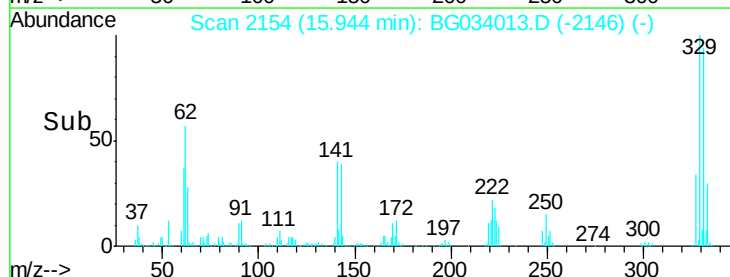
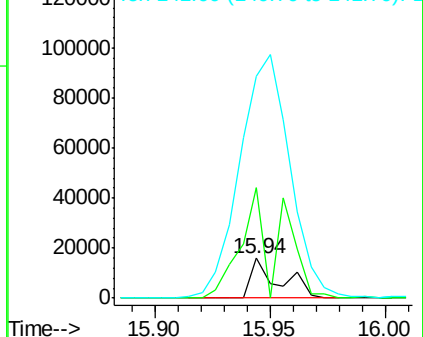
141 413.7 50.8 76.2#

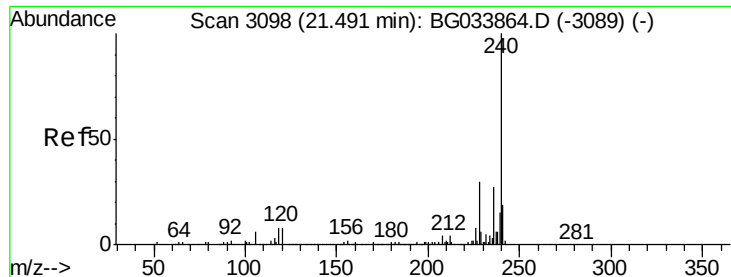


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.46 min Scan# 3093

Delta R.T. -0.03 min

Lab File: BG034013.D

Acq: 26 Apr 2018 8:32

Instrument :

BNA_G

ClientSampleId :

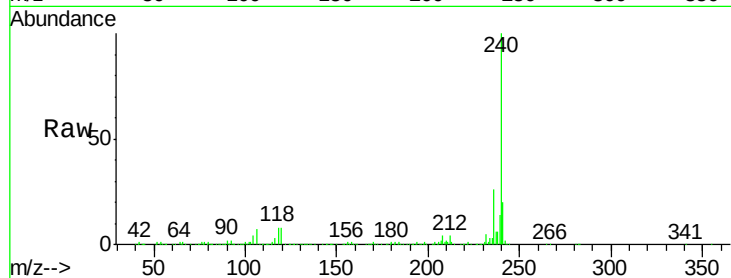
Tot Ion:240 Resp: 560743

Ion Ratio Lower Upper

240 100

120 7.8 6.8 10.2

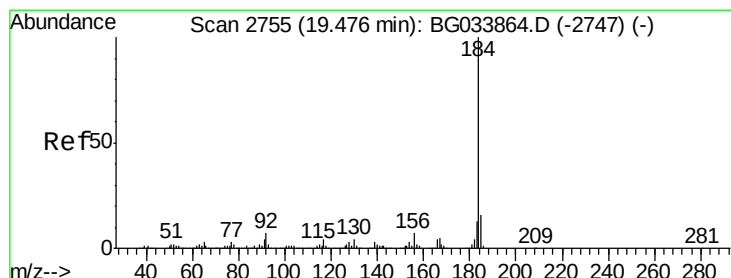
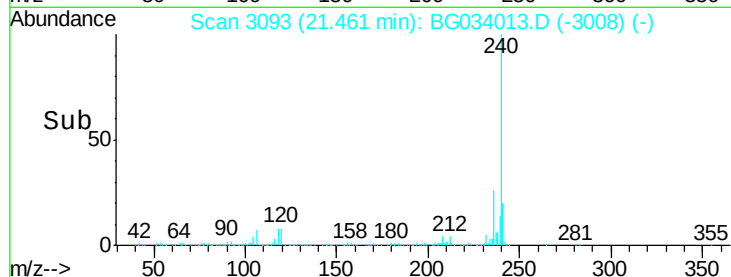
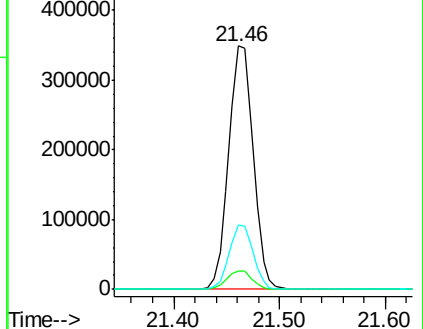
236 26.2 20.9 31.3



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: 2.708 ng

RT: 19.85 min Scan# 2818

Delta R.T. 0.37 min

Lab File: BG034013.D

Acq: 26 Apr 2018 8:32

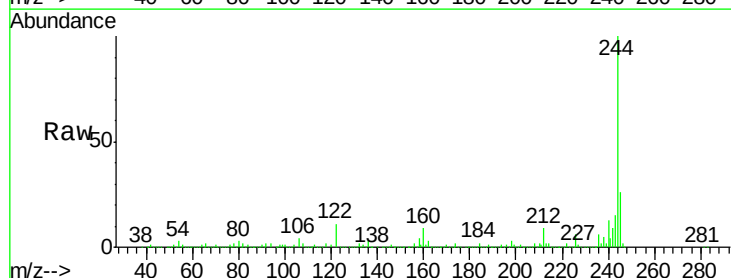
Tgt Ion:184 Resp: 41011

Ion Ratio Lower Upper

184 100

185 18.0 11.1 16.7#

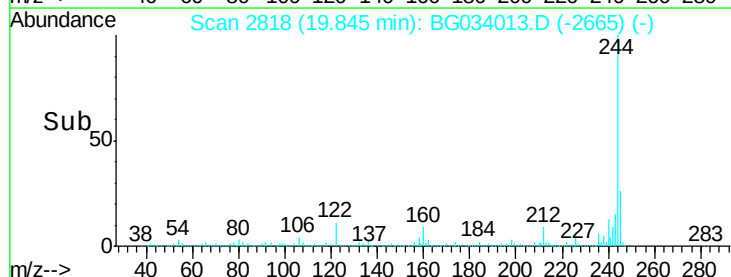
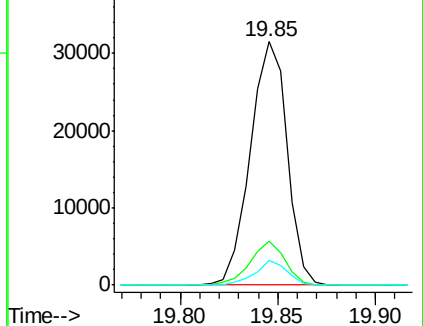
183 10.3 10.6 16.0#

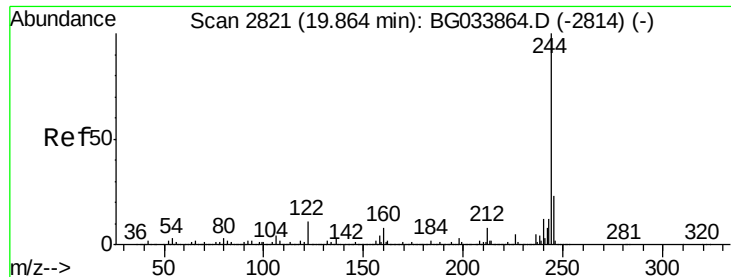


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 97.722 ng

RT: 19.85 min Scan# 2818

Delta R.T. -0.02 min

Lab File: BG034013.D

Acq: 26 Apr 2018 8:32

Instrument :

BNA_G

ClientSampleId :

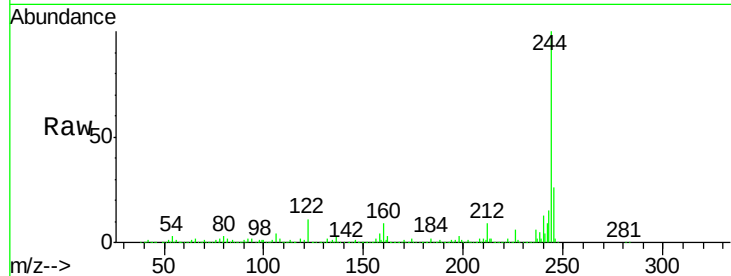
Tot Ion:244 Resp: 2439085

Ion Ratio Lower Upper

244 100

212 9.3 5.8 8.8#

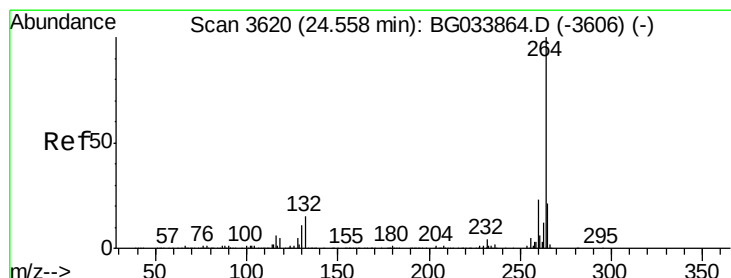
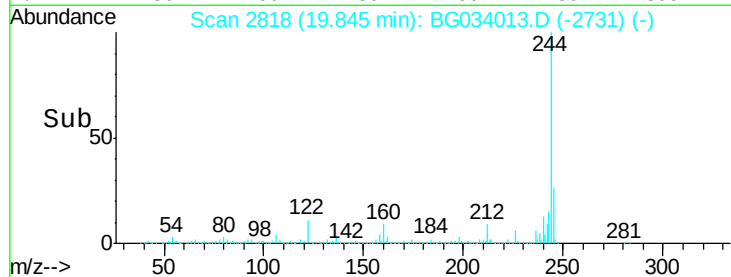
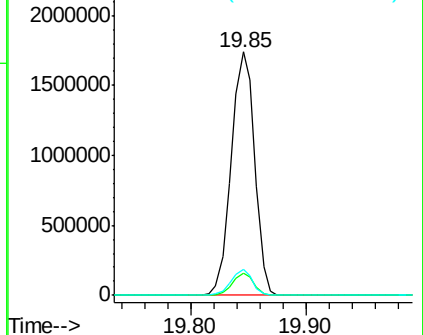
122 10.8 7.0 10.4#



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# 3613

Delta R.T. -0.04 min

Lab File: BG034013.D

Acq: 26 Apr 2018 8:32

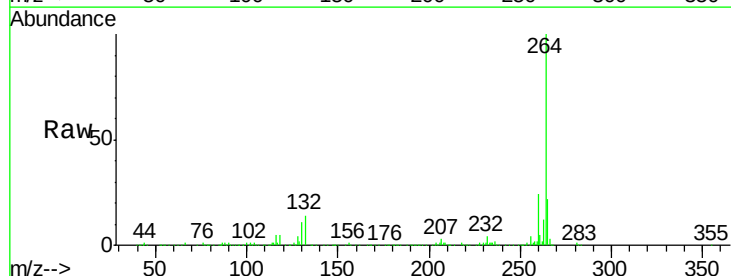
Tgt Ion:264 Resp: 551997

Ion Ratio Lower Upper

264 100

260 23.9 17.4 26.0

265 21.7 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

