

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042318\
 Data File : BG033948.D
 Acq On : 24 Apr 2018 9:15
 Operator : SJ/JU
 Sample : PB108487TB
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 24 12:09:28 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

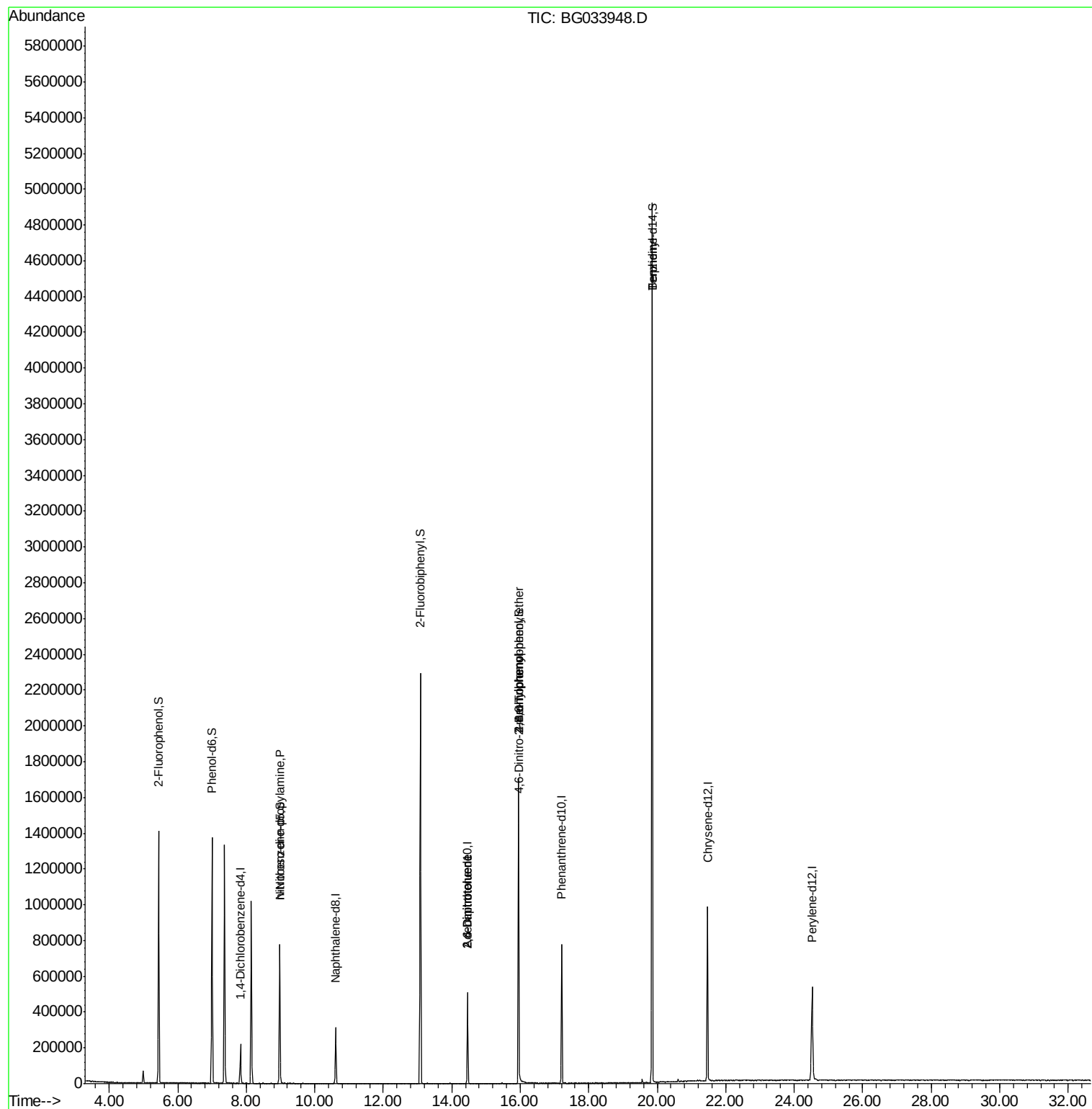
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	63909	20.00	ng	0.00
21) Naphthalene-d8	10.61	136	268909	20.00	ng	-0.01
38) Acenaphthene-d10	14.46	164	177033	20.00	ng	-0.02
63) Phenanthrene-d10	17.21	188	497620	20.00	ng	-0.02
75) Chrysene-d12	21.47	240	569687	20.00	ng	-0.02
86) Perylene-d12	24.52	264	566203	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	593153	148.18	ng	0.00
7) Phenol-d6	7.00	99	773713	132.52	ng	0.00
23) Nitrobenzene-d5	8.97	82	460415	97.44	ng	-0.01
41) 2,4,6-Tribromophenol	15.95	330	317648	153.80	ng	-0.02
44) 2-Fluorobiphenyl	13.08	172	1168172	96.94	ng	-0.02
78) Terphenyl-d14	19.85	244	2314725	91.28	ng	-0.01
Target Compounds						
9) Benzaldehyde	7.00	77	1484	Below Cal	Qvalue	
19) n-Nitroso-di-n-propylamine	8.97	70	65532	13.167 ng	#	5
50) 2,6-Dinitrotoluene	14.46	165	22788	7.722 ng	#	78
56) 2,4-Dinitrotoluene	14.46	165	22788	5.807 ng	#	19
64) 4,6-Dinitro-2-methylphenol	15.96	198	1450	7.012 ng	#	17
66) 4-Bromophenyl-phenylether	15.95	248	15640	2.862 ng	#	69
76) Benzydine	19.84	184	38811	2.523 ng	#	1
					#	92

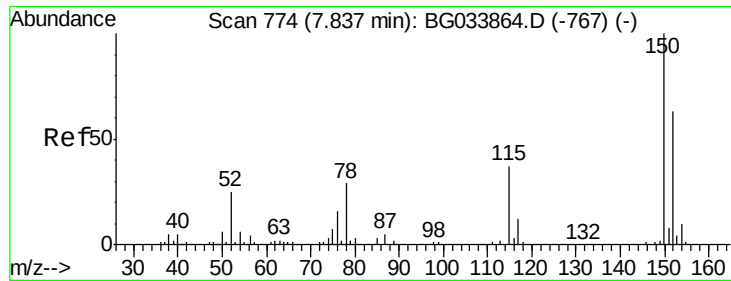
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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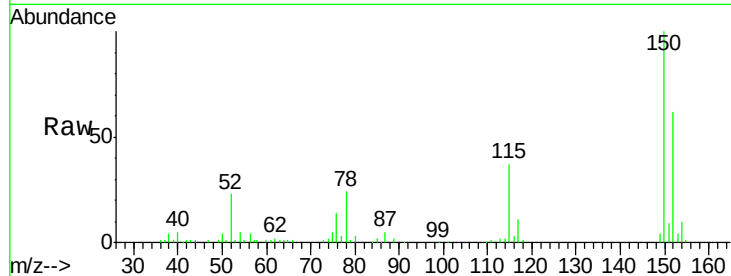


#1

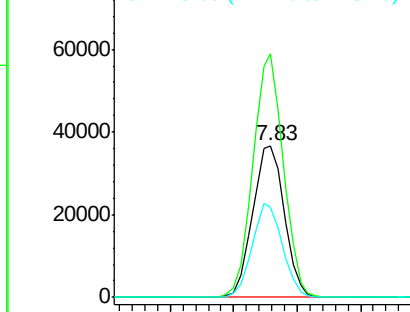
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.83 min Scan# 773
Delta R.T. -0.01 min
Lab File: BG033948.D
Acq: 24 Apr 2018 9:15

Instrument :
BNA_G
ClientSampleId :

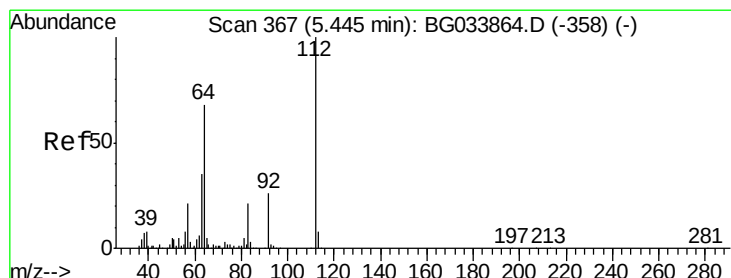
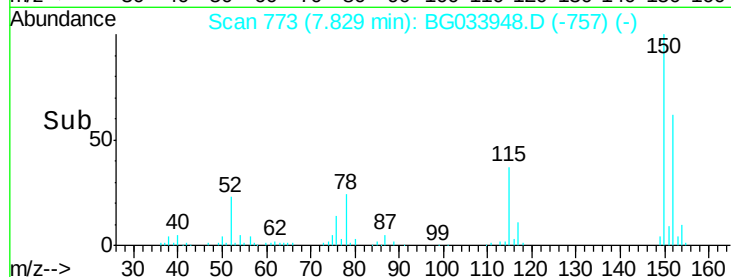
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	126.6	189.8
115	59.3	53.0	79.4



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



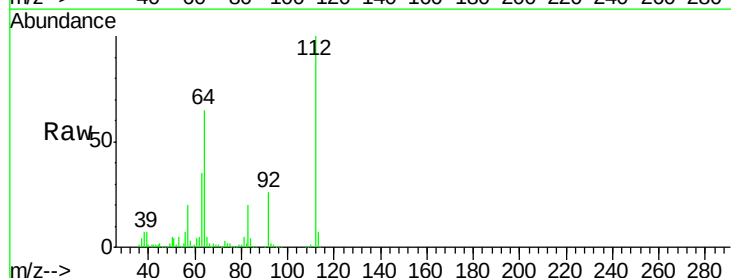
Time-->



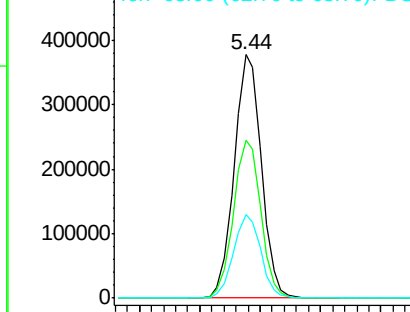
#5

2-Fluorophenol
Concen: 148.178 ng
RT: 5.44 min Scan# 366
Delta R.T. -0.01 min
Lab File: BG033948.D
Acq: 24 Apr 2018 9:15

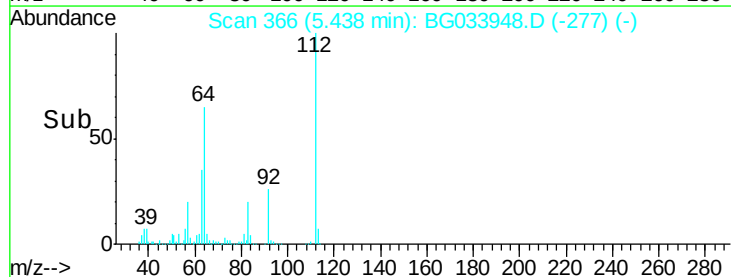
Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.0	56.3	84.5
63	34.5	30.1	45.1

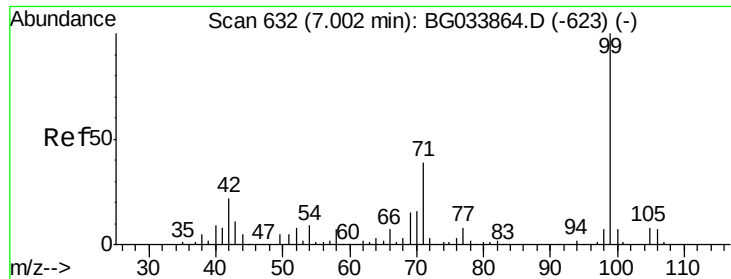


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0



Time-->





#7

Phenol-d6

Concen: 132.517 ng

RT: 7.00 min Scan# 632

Delta R.T. -0.00 min

Lab File: BG033948.D

Acq: 24 Apr 2018 9:15

Instrument :

BNA_G

ClientSampleId :

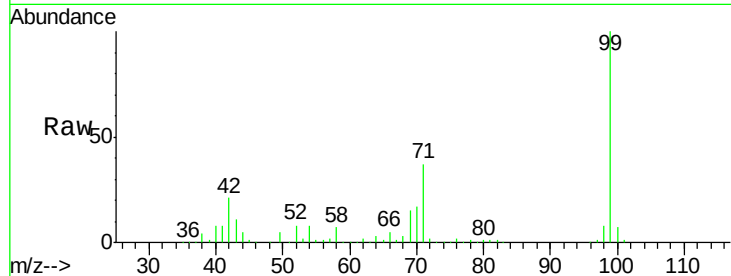
Tot Ion: 99 Resp: 773713

Ion Ratio Lower Upper

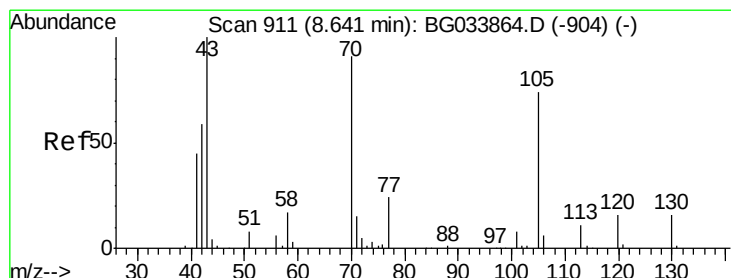
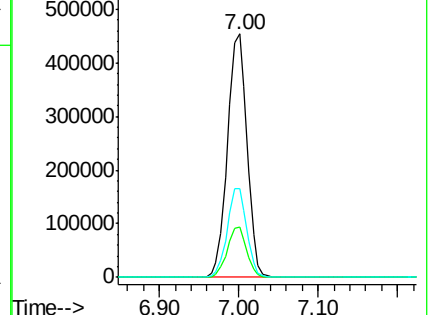
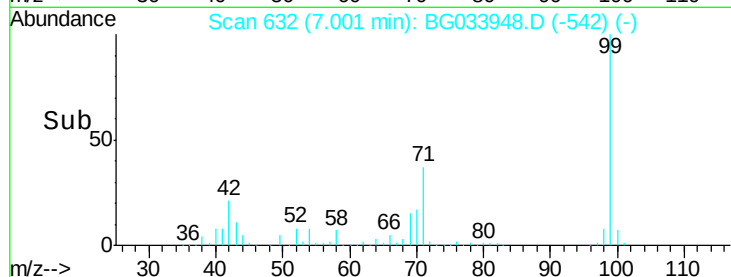
99 100

42 20.9 14.1 21.1

71 36.5 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: 13.167 ng

RT: 8.97 min Scan# 968

Delta R.T. 0.33 min

Lab File: BG033948.D

Acq: 24 Apr 2018 9:15

Tgt Ion: 70 Resp: 65532

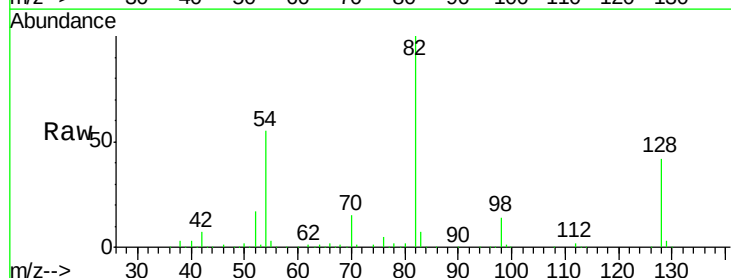
Ion Ratio Lower Upper

70 100

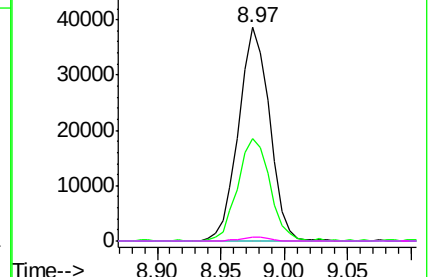
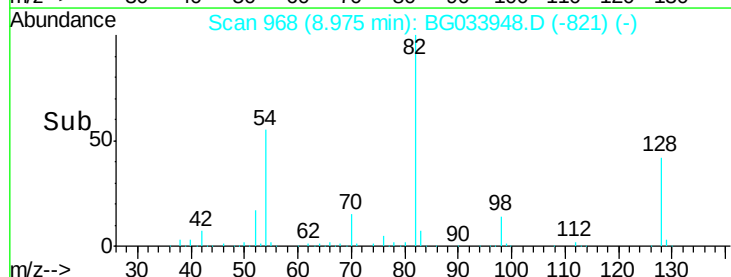
42 47.7 49.1 73.7#

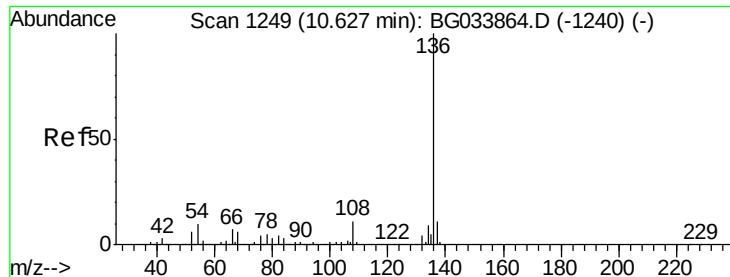
101 0.0 8.5 12.7#

130 1.8 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

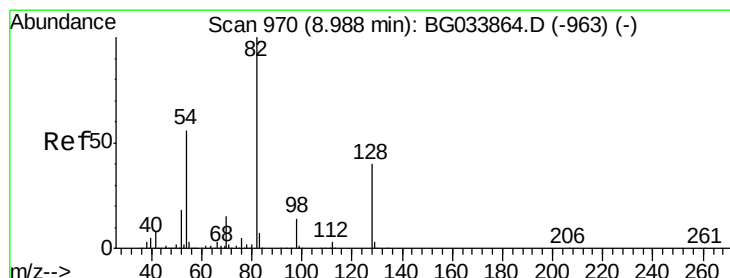
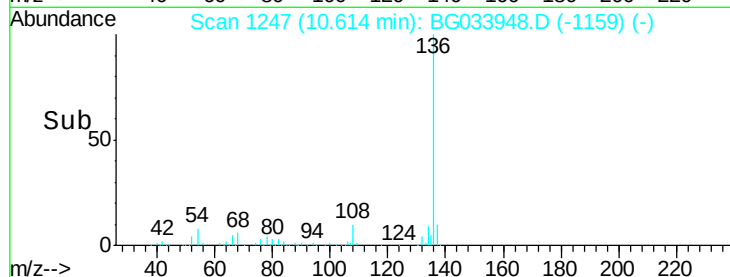
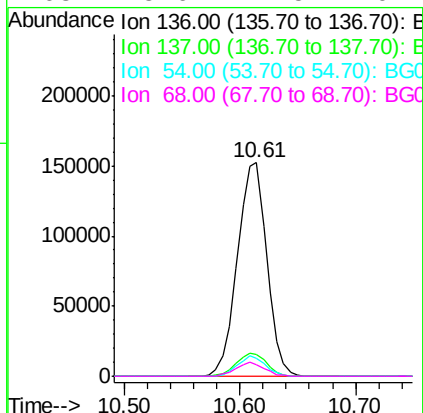
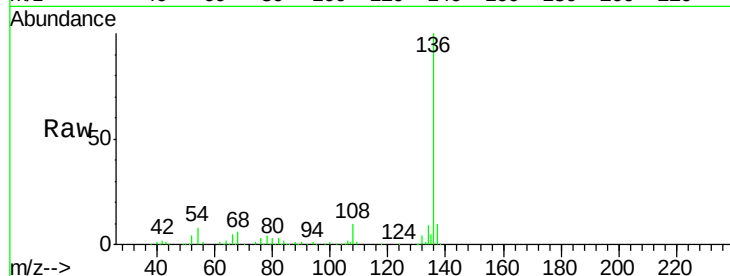




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.61 min Scan# 1247
Delta R.T. -0.01 min
Lab File: BG033948.D
Acq: 24 Apr 2018 9:15

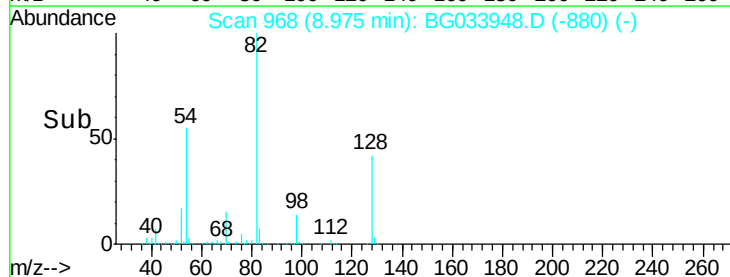
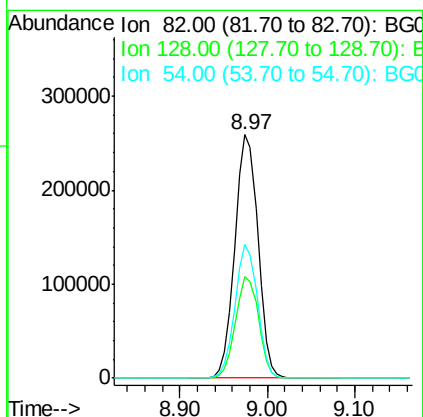
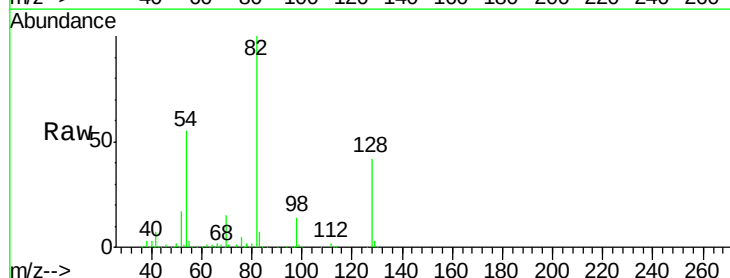
Instrument :
BNA_G
ClientSampleId :

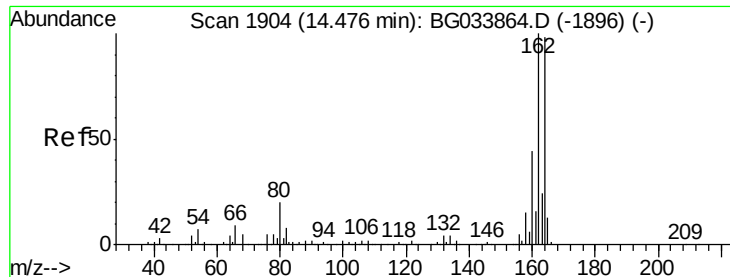
Tot Ion:136	Resp: 268909
Ion Ratio	Lower Upper
136 100	
137 10.4	9.2 13.8
54 8.2	10.3 15.5#
68 5.6	4.5 6.7



#23
Nitrobenzene-d5
Concen: 97.438 ng
RT: 8.97 min Scan# 968
Delta R.T. -0.01 min
Lab File: BG033948.D
Acq: 24 Apr 2018 9:15

Tgt Ion: 82	Resp: 460415
Ion Ratio	Lower Upper
82 100	
128 41.8	29.7 44.5
54 54.9	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: BG033948.D

Acq: 24 Apr 2018 9:15

Instrument :

BNA_G

ClientSampleId :

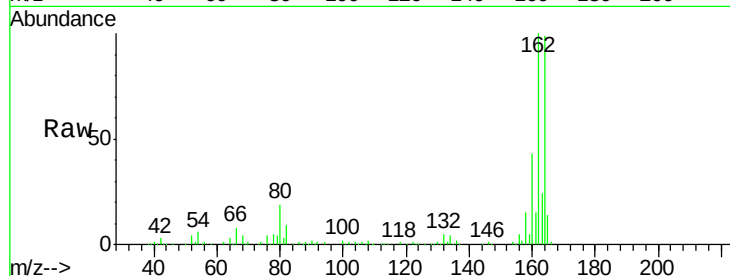
Tot Ion:164 Resp: 177033

Ion Ratio Lower Upper

164 100

162 100.8 78.8 118.2

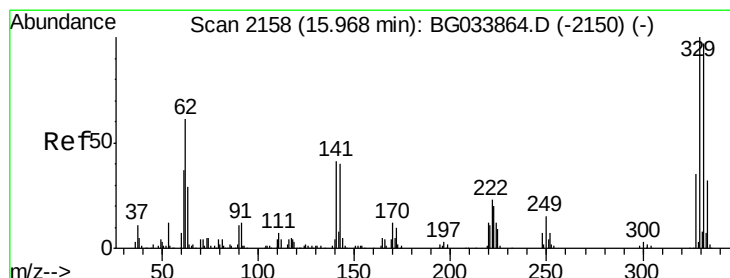
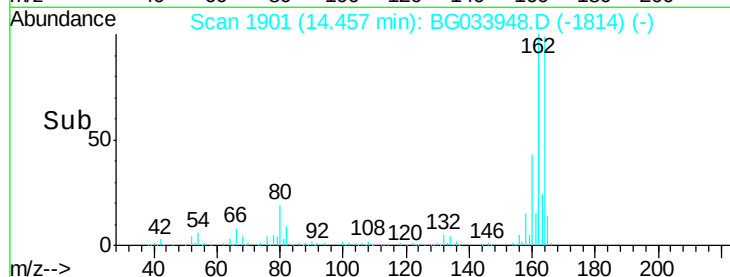
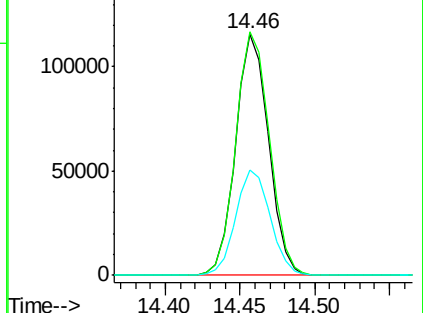
160 43.4 35.4 53.0



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: 153.797 ng

RT: 15.95 min Scan# 2155

Delta R.T. -0.02 min

Lab File: BG033948.D

Acq: 24 Apr 2018 9:15

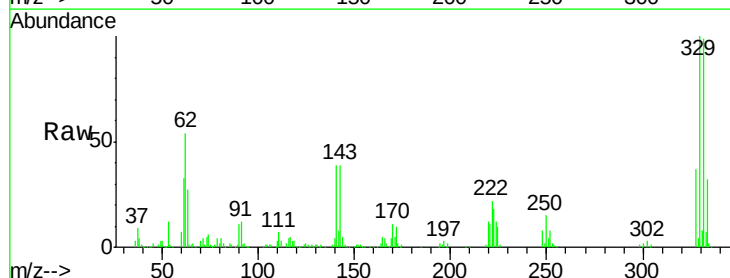
Tgt Ion:330 Resp: 317648

Ion Ratio Lower Upper

330 100

332 95.3 77.0 115.6

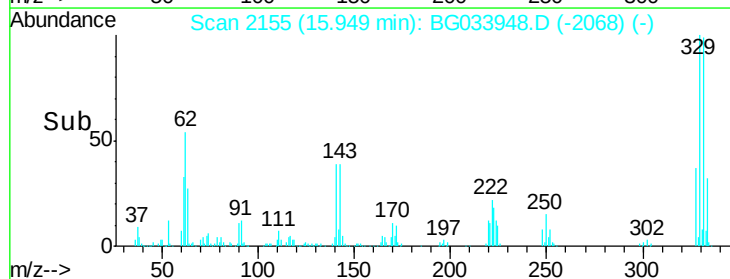
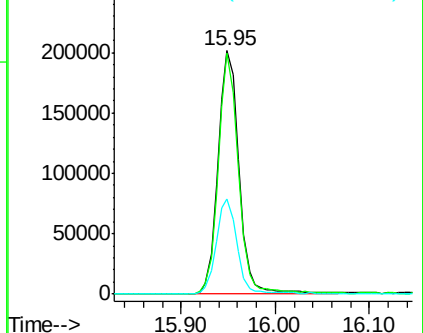
141 38.4 25.2 37.8#

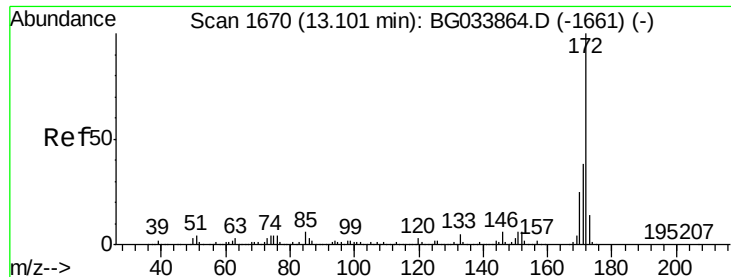


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

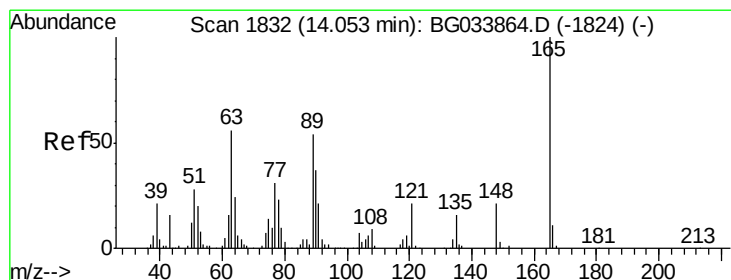
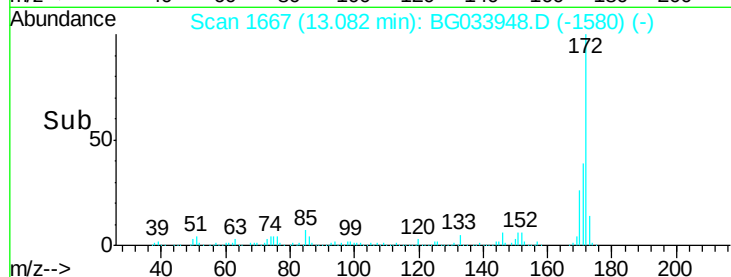
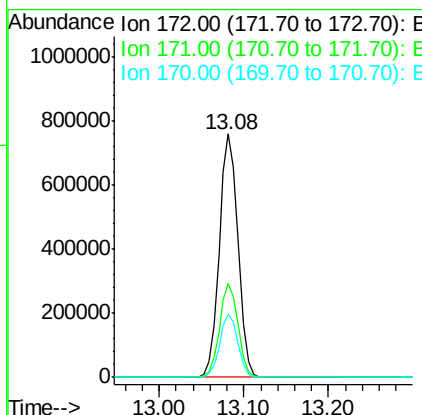
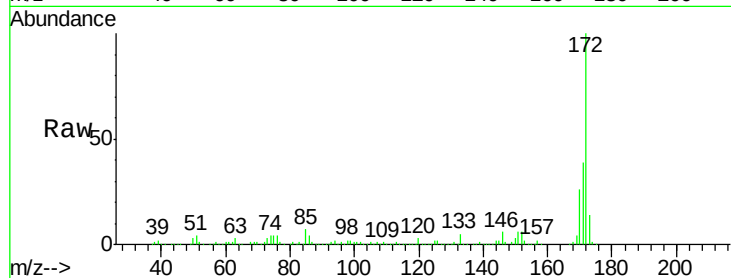




#44
2-Fluorobiphenyl
Concen: 96.935 ng
RT: 13.08 min Scan# 1667
Delta R.T. -0.02 min
Lab File: BG033948.D
Acq: 24 Apr 2018 9:15

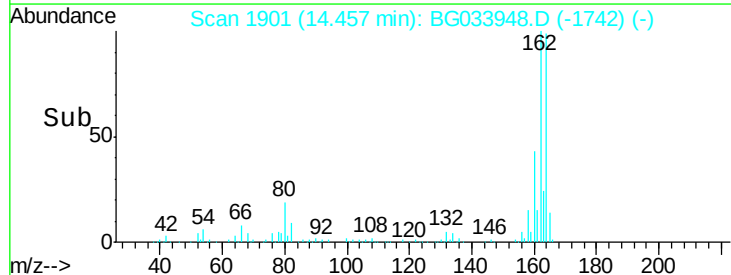
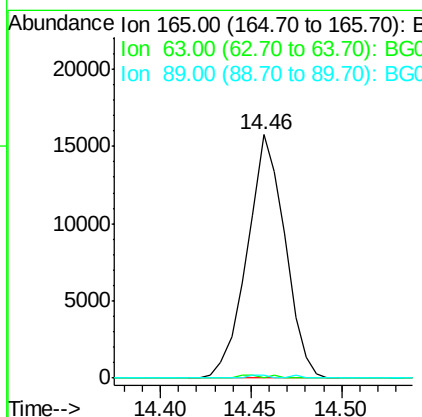
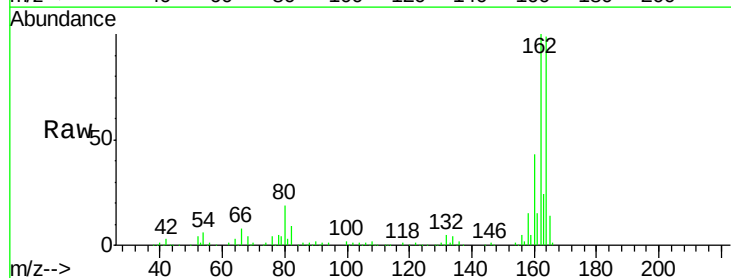
Instrument :
BNA_G
ClientSampled :

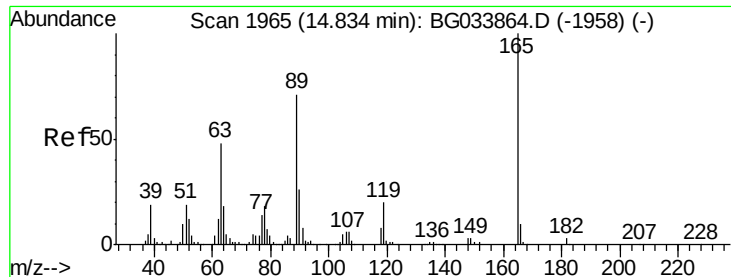
Tot Ion:172 Resp: 1168172
Ion Ratio Lower Upper
172 100
171 38.8 30.0 45.0
170 25.8 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.722 ng
RT: 14.46 min Scan# 1901
Delta R.T. 0.40 min
Lab File: BG033948.D
Acq: 24 Apr 2018 9:15

Tgt Ion:165 Resp: 22788
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 1.3 49.2 73.8#

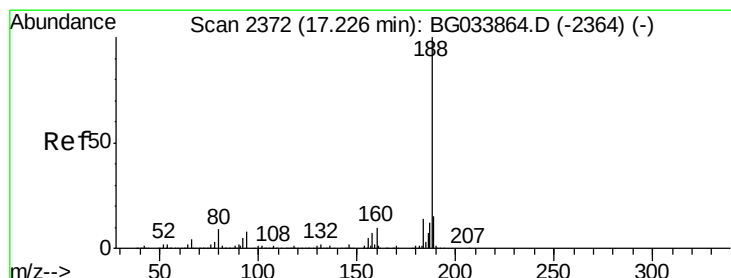
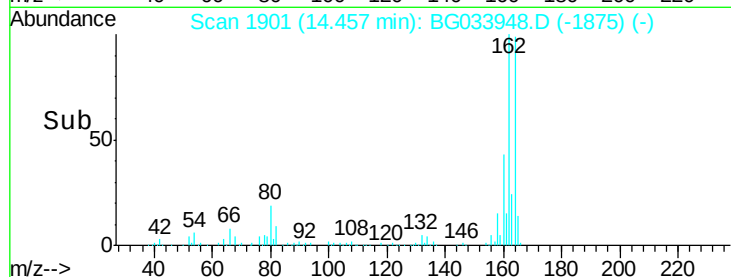
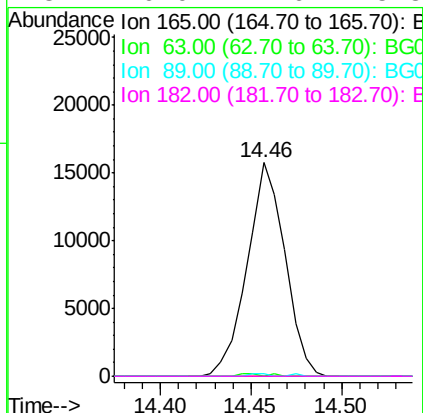
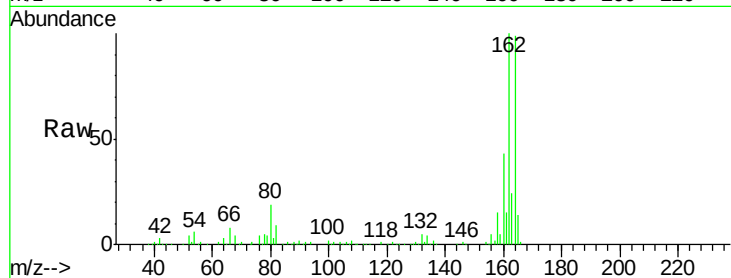




#56
 2,4-Dinitrotoluene
 Concen: 5.807 ng
 RT: 14.46 min Scan# 1901
 Delta R.T. -0.38 min
 Lab File: BG033948.D
 Acq: 24 Apr 2018 9:15

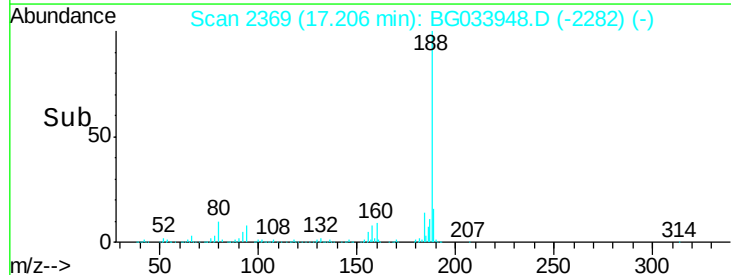
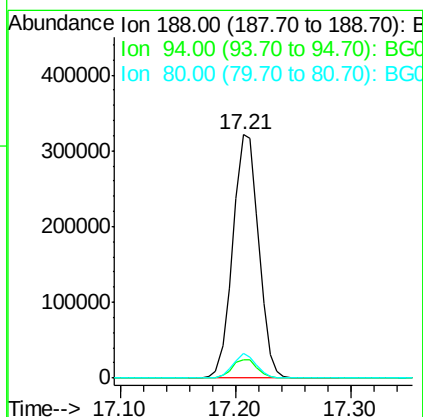
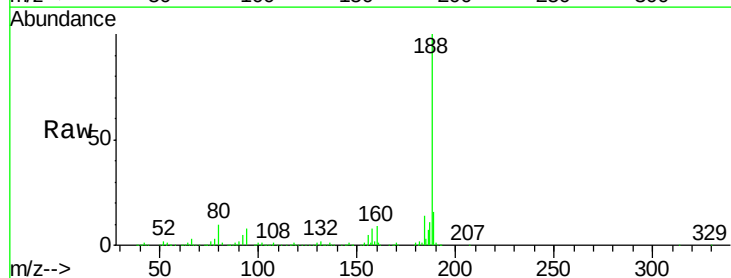
Instrument :
 BNA_G
 ClientSampled :

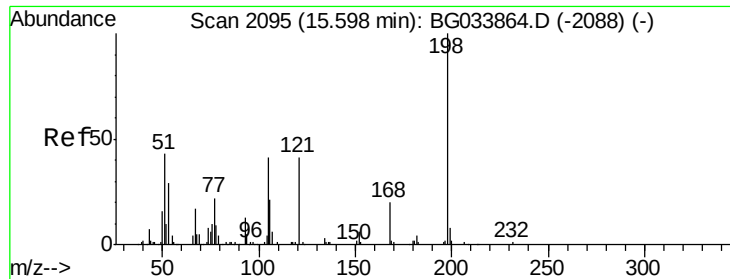
Tot Ion:165	Resp:	22788
Ion Ratio	Lower	Upper
165	100	
63	0.0	42.0 63.0#
89	1.3	66.9 100.3#
182	0.0	2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.21 min Scan# 2369
 Delta R.T. -0.02 min
 Lab File: BG033948.D
 Acq: 24 Apr 2018 9:15

Tgt Ion:188	Resp:	497620
Ion Ratio	Lower	Upper
188	100	
94	7.7	6.9 10.3
80	9.9	7.7 11.5

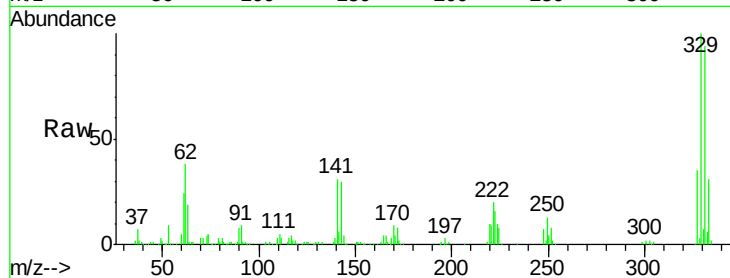




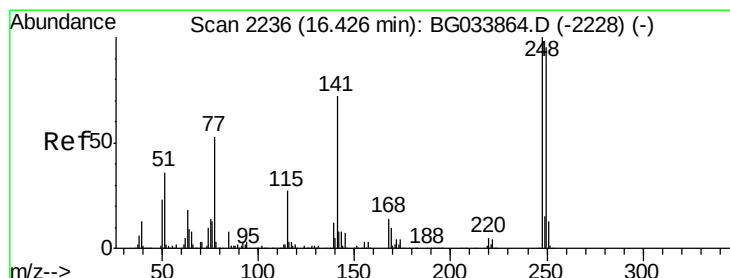
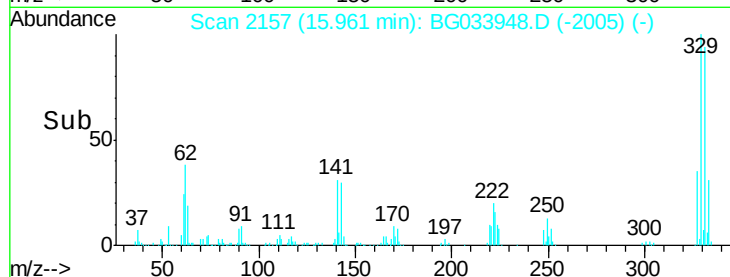
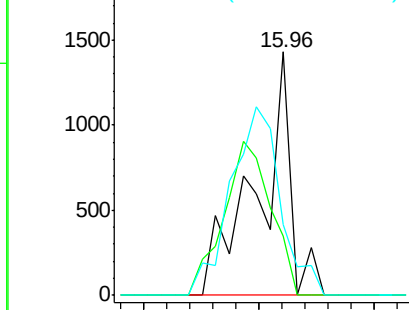
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.012 ng
 RT: 15.96 min Scan# 2157
 Delta R.T. 0.36 min
 Lab File: BG033948.D
 Acq: 24 Apr 2018 9:15

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	198	Resp	1450
Ion Ratio	100	Lower	Upper
51	24.5	30.6	70.6#
105	28.9	23.8	63.8

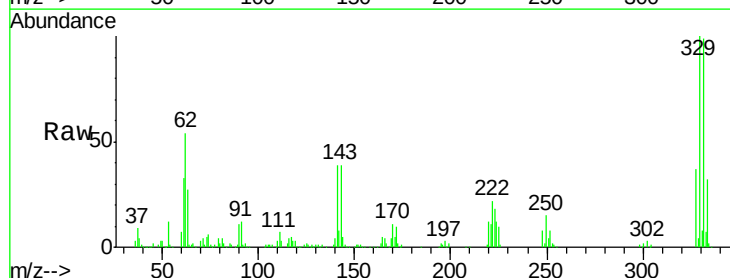


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

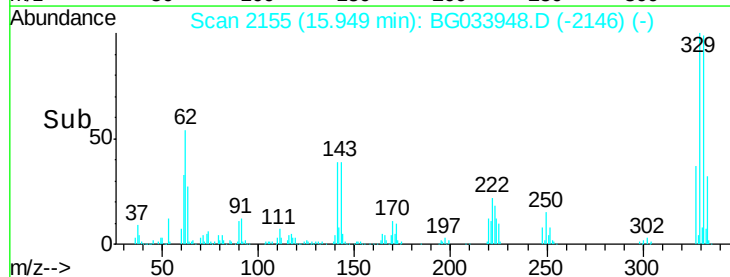
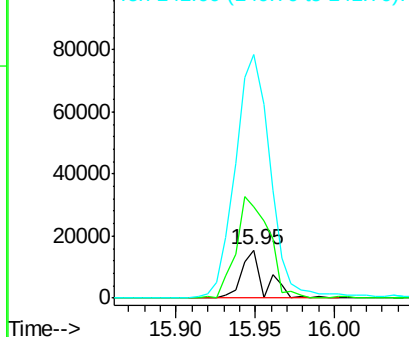


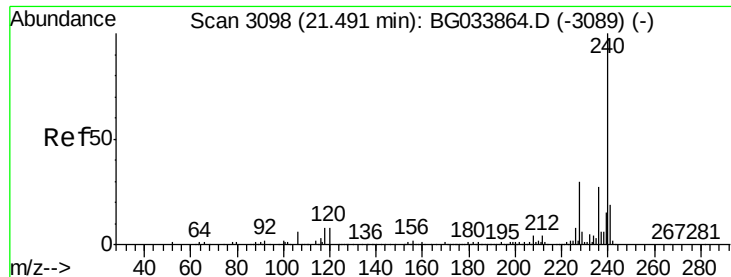
#66
 4-Bromophenyl-phenylether
 Concen: 2.862 ng
 RT: 15.95 min Scan# 2155
 Delta R.T. -0.48 min
 Lab File: BG033948.D
 Acq: 24 Apr 2018 9:15

Tgt Ion	248	Resp	15640
Ion Ratio	100	Lower	Upper
250	190.2	77.1	115.7#
141	388.8	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: 21.47 min Scan# 3094

Delta R.T. -0.02 min

Lab File: BG033948.D

Acq: 24 Apr 2018 9:15

Instrument :

BNA_G

ClientSampleId :

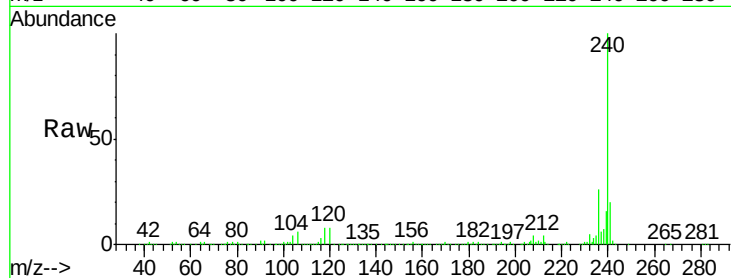
Tot Ion:240 Resp: 569687

Ion Ratio Lower Upper

240 100

120 7.8 6.8 10.2

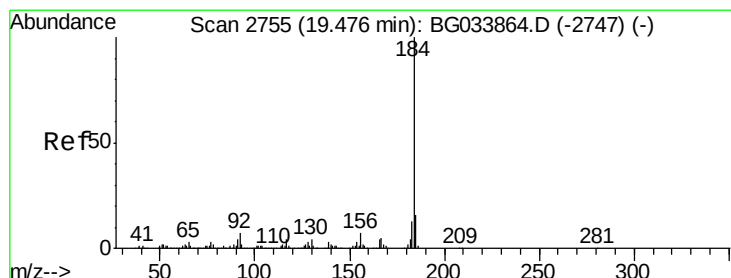
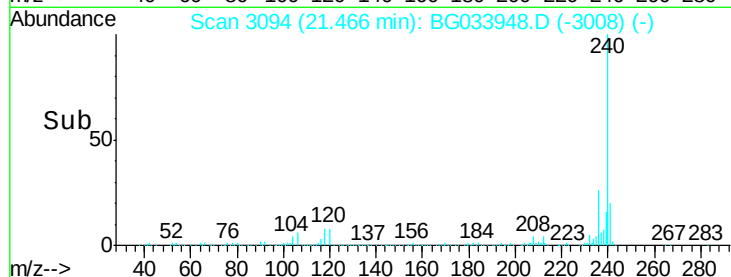
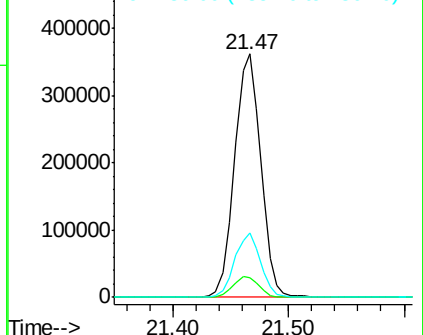
236 26.4 20.9 31.3



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: 2.523 ng

RT: 19.84 min Scan# 2818

Delta R.T. 0.37 min

Lab File: BG033948.D

Acq: 24 Apr 2018 9:15

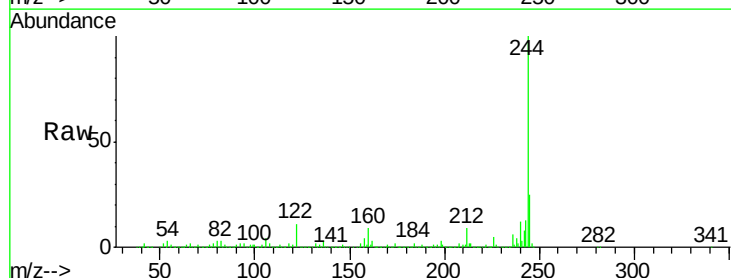
Tgt Ion:184 Resp: 38811

Ion Ratio Lower Upper

184 100

185 14.0 11.1 16.7

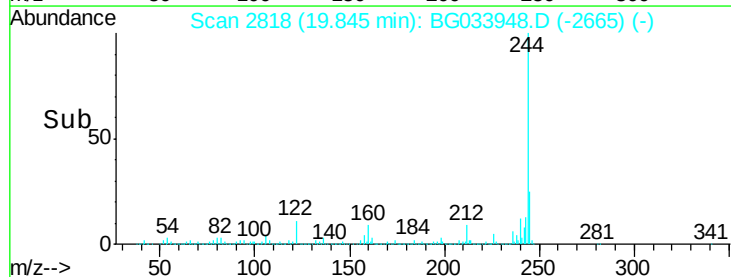
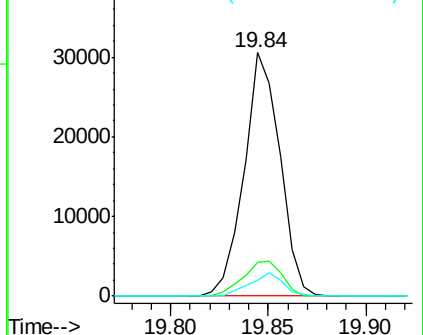
183 6.6 10.6 16.0#

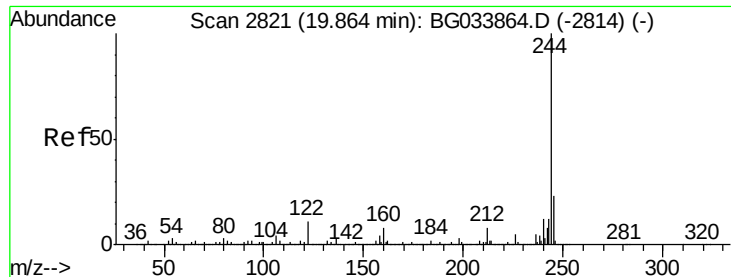


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 91.283 ng

RT: 19.85 min Scan# 2819

Delta R.T. -0.01 min

Lab File: BG033948.D

Acq: 24 Apr 2018 9:15

Instrument :

BNA_G

ClientSampleId :

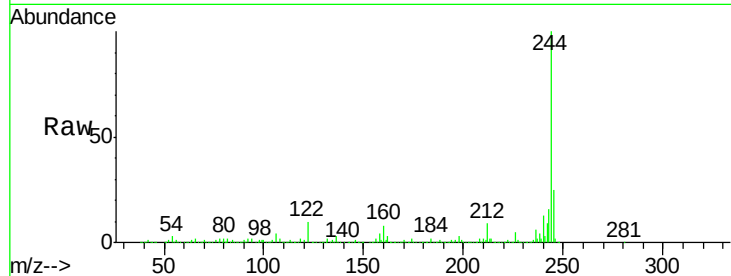
Tot Ion:244 Resp: 2314725

Ion Ratio Lower Upper

244 100

212 9.1 5.8 8.8#

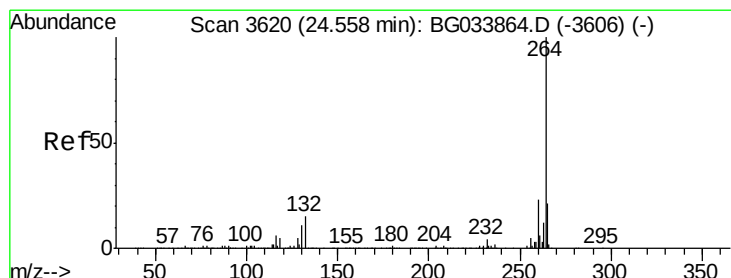
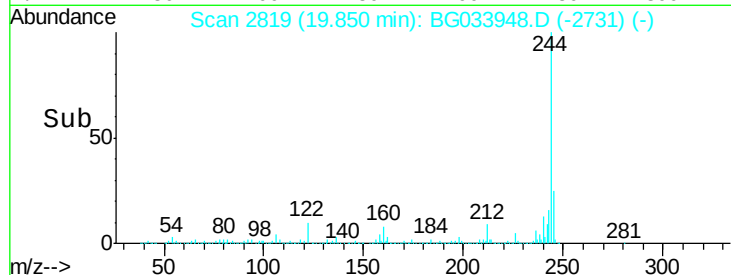
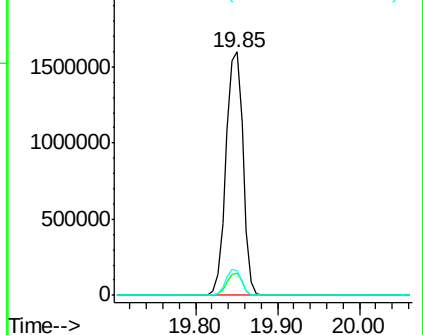
122 10.4 7.0 10.4



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: BG033948.D

Acq: 24 Apr 2018 9:15

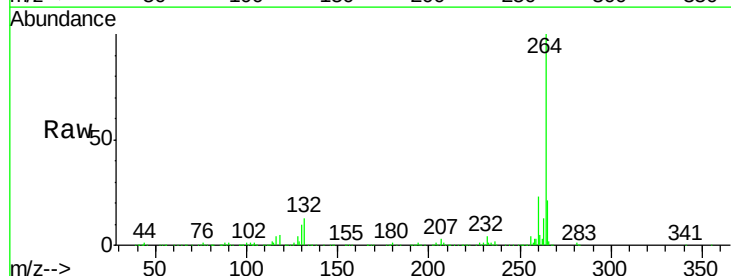
Tgt Ion:264 Resp: 566203

Ion Ratio Lower Upper

264 100

260 23.2 17.4 26.0

265 21.4 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

