

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042518\
 Data File : BG034012.D
 Acq On : 26 Apr 2018 7:55
 Operator : SJ/JU
 Sample : J2158-04
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 26 15:06:19 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	58989	20.00	ng	0.00
21) Naphthalene-d8	10.61	136	264515	20.00	ng	-0.02
38) Acenaphthene-d10	14.45	164	183716	20.00	ng	-0.02
63) Phenanthrene-d10	17.21	188	500081	20.00	ng	-0.02
75) Chrysene-d12	21.46	240	554983	20.00	ng	-0.03
86) Perylene-d12	24.52	264	549390	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	522686	141.46	ng	0.00
7) Phenol-d6	7.00	99	650796	120.76	ng	0.00
23) Nitrobenzene-d5	8.97	82	480768	103.44	ng	-0.02
41) 2,4,6-Tribromophenol	15.95	330	383607	178.98	ng	-0.02
44) 2-Fluorobiphenyl	13.08	172	1242056	99.32	ng	-0.02
78) Terphenyl-d14	19.85	244	2386284	96.60	ng	-0.02

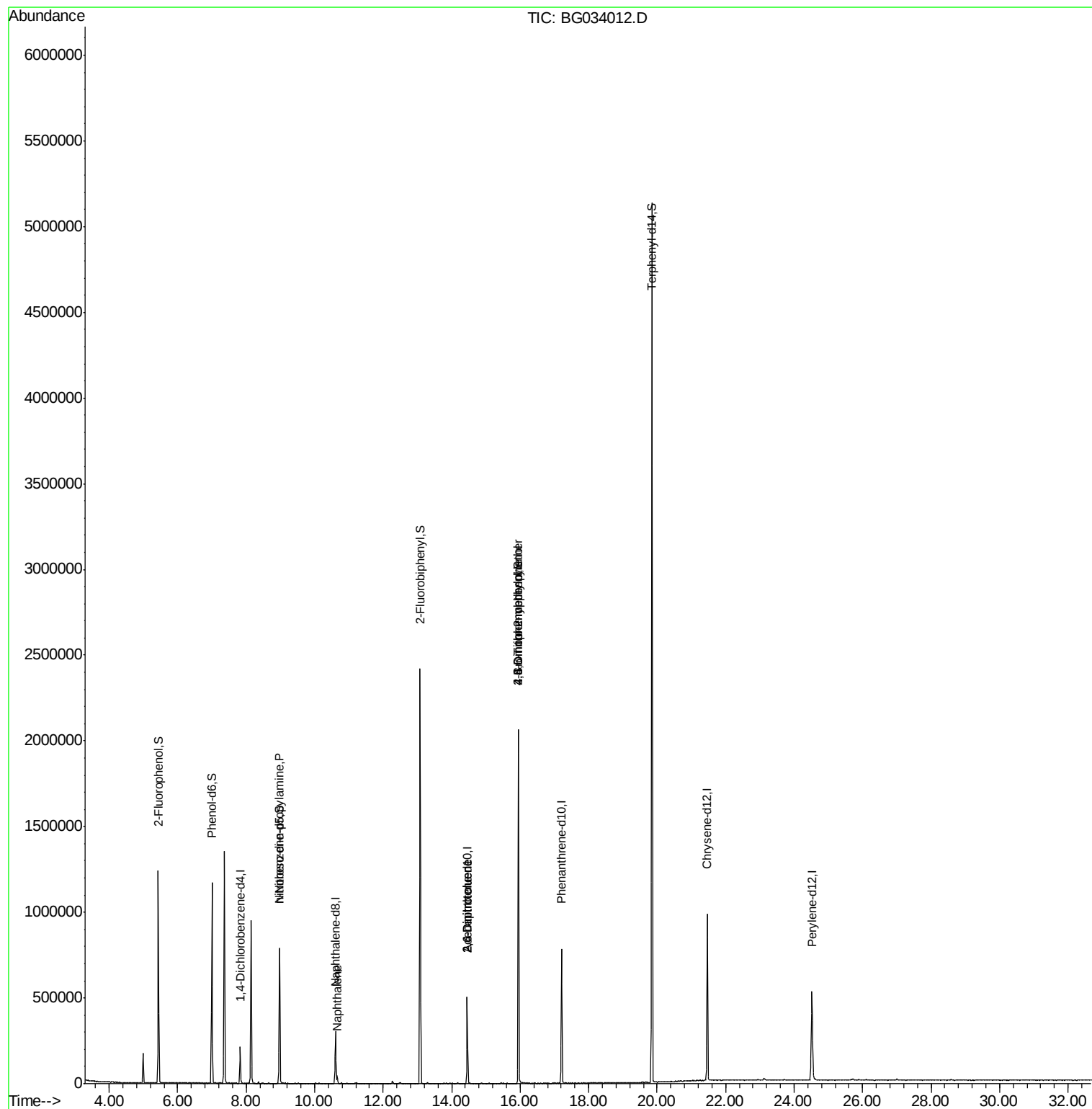
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.99	77	1093	Below Cal		# 27
19) n-Nitroso-di-n-propylamine	8.97	70	66835	14.549	ng	# 79
31) Naphthalene	10.66	128	37989	2.793	ng	# 99
50) 2,6-Dinitrotoluene	14.45	165	24302	7.935	ng	# 21
56) 2,4-Dinitrotoluene	14.45	165	24302	5.967	ng	# 18
64) 4,6-Dinitro-2-methylphenol	15.95	198	4050	7.944	ng	# 67
66) 4-Bromophenyl-phenylether	15.95	248	27740	5.051	ng	# 1

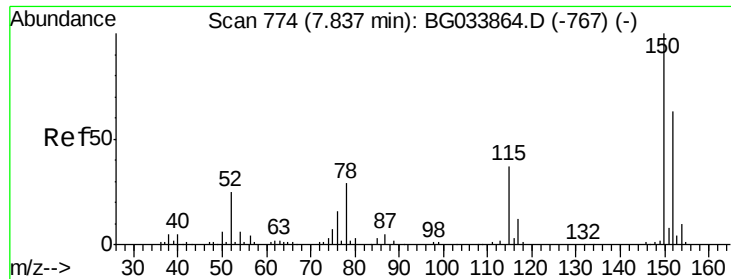
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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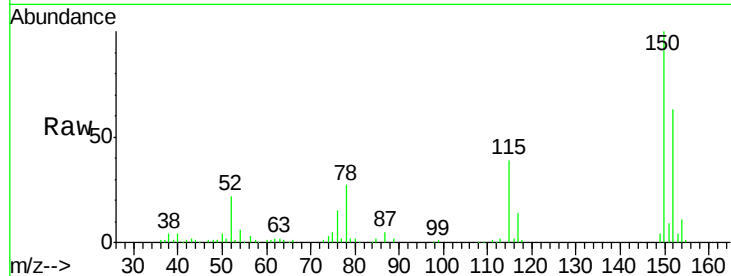


#1

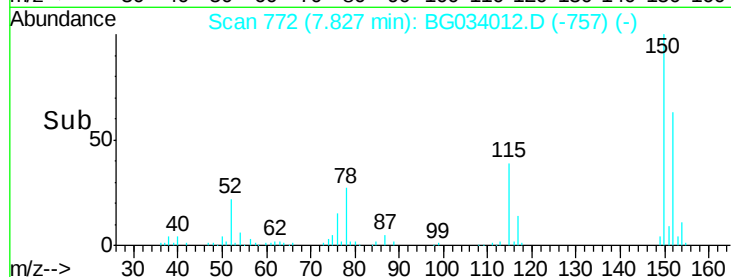
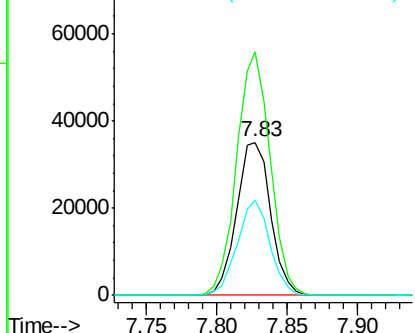
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.83 min Scan# 772
Delta R.T. -0.01 min
Lab File: BG034012.D
Acq: 26 Apr 2018 7:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	126.6	189.8
115	62.0	53.0	79.4



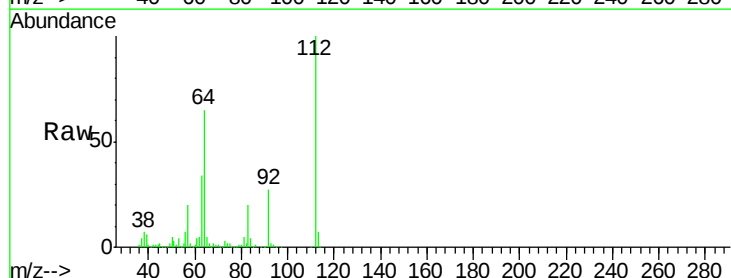
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



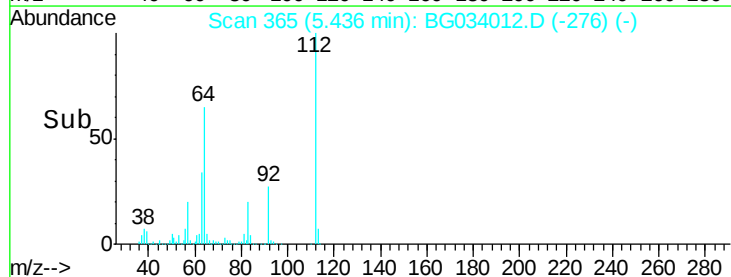
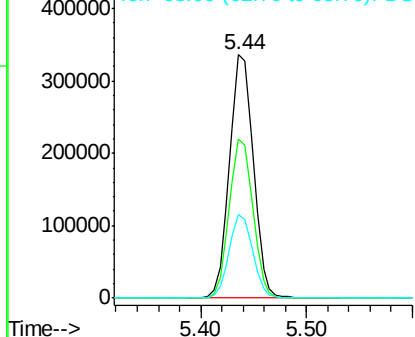
#5

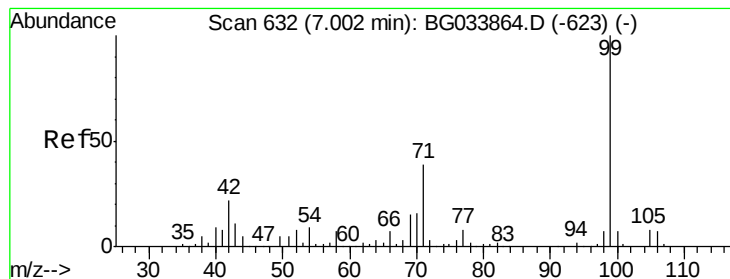
2-Fluorophenol
Concen: 141.465 ng
RT: 5.44 min Scan# 365
Delta R.T. -0.01 min
Lab File: BG034012.D
Acq: 26 Apr 2018 7:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.2	56.3	84.5
63	34.2	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





#7

Phenol-d6

Concen: 120.761 ng

RT: 7.00 min Scan# 631

Delta R.T. -0.00 min

Lab File: BG034012.D

Acq: 26 Apr 2018 7:55

Instrument :

BNA_G

ClientSampled :

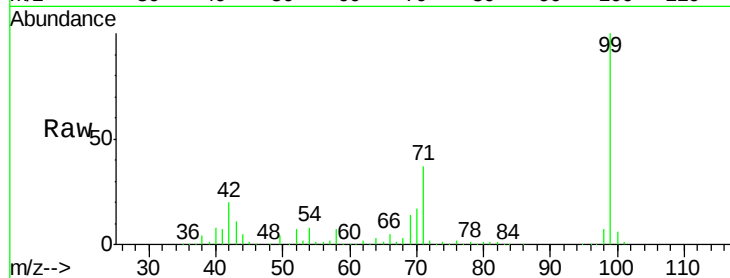
Tot Ion: 99 Resp: 650796

Ion Ratio Lower Upper

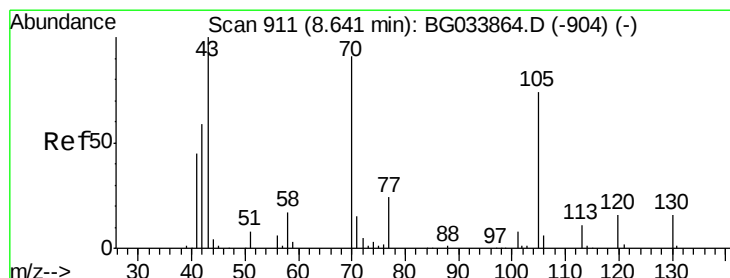
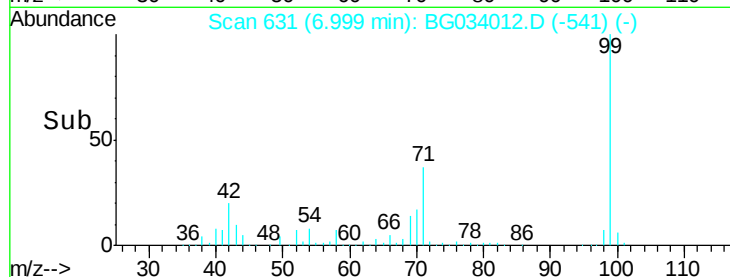
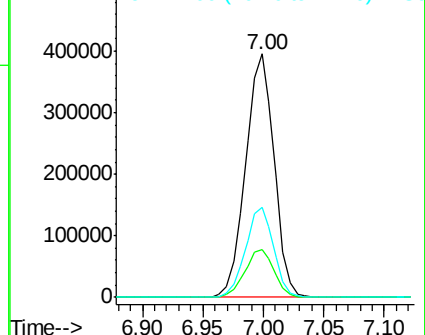
99 100

42 19.8 14.1 21.1

71 36.9 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: 14.549 ng

RT: 8.97 min Scan# 967

Delta R.T. 0.33 min

Lab File: BG034012.D

Acq: 26 Apr 2018 7:55

Tgt Ion: 70 Resp: 66835

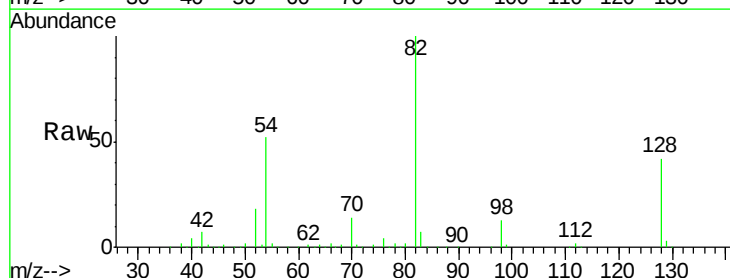
Ion Ratio Lower Upper

70 100

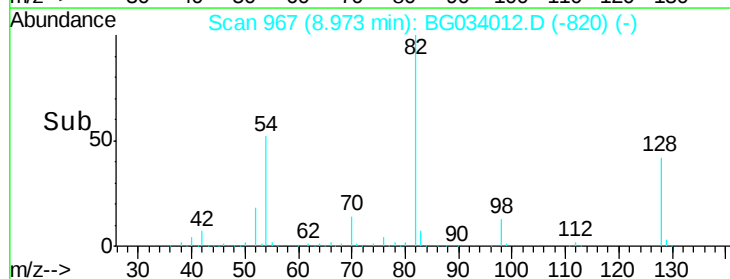
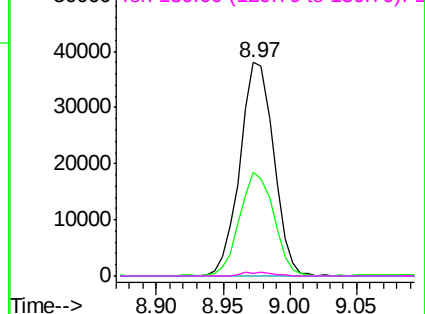
42 48.8 49.1 73.7#

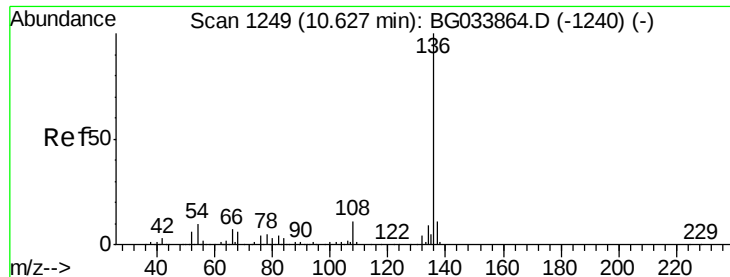
101 0.0 8.5 12.7#

130 1.5 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

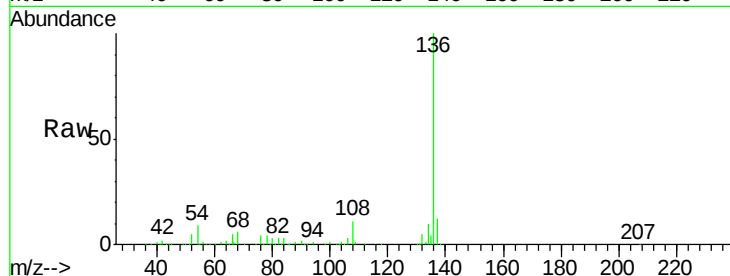




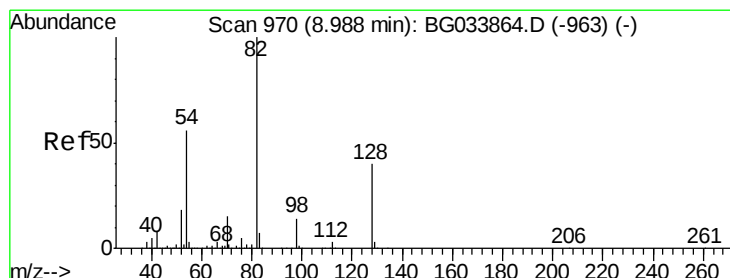
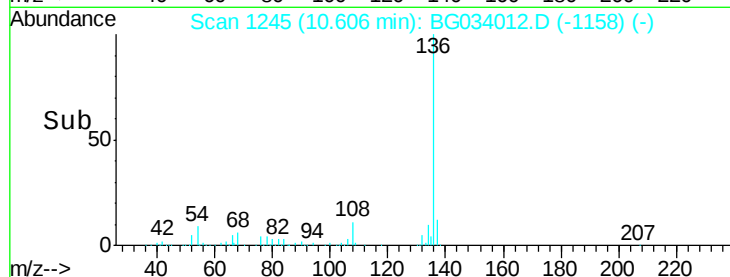
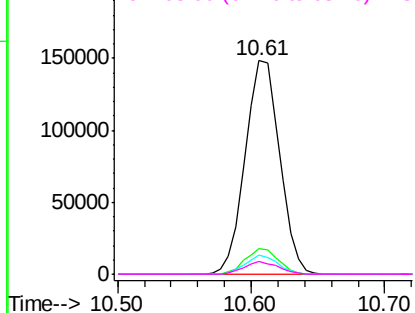
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.61 min Scan# 1245
Delta R.T. -0.02 min
Lab File: BG034012.D
Acq: 26 Apr 2018 7:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	264515
Ion Ratio	Lower	Upper
136	100	
137	12.1	9.2 13.8
54	8.7	10.3 15.5#
68	5.8	4.5 6.7

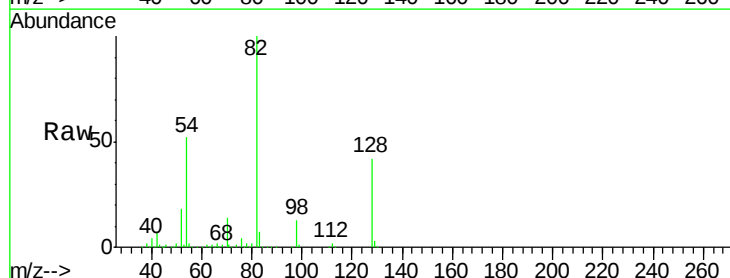


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

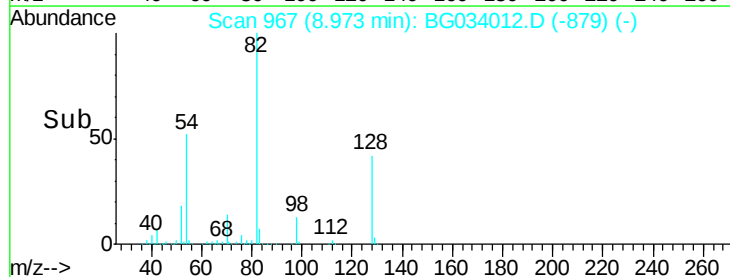
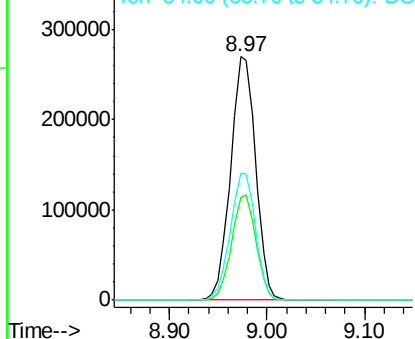


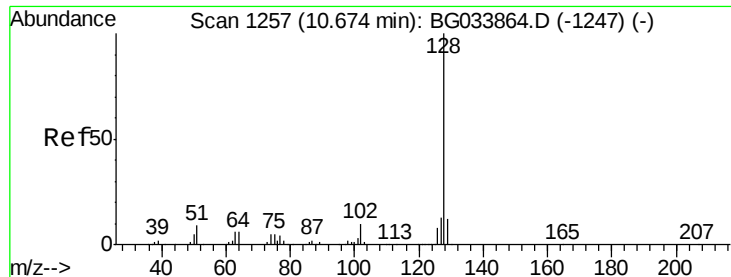
#23
Nitrobenzene-d5
Concen: 103.436 ng
RT: 8.97 min Scan# 967
Delta R.T. -0.02 min
Lab File: BG034012.D
Acq: 26 Apr 2018 7:55

Tgt Ion: 82	Resp:	480768
Ion Ratio	Lower	Upper
82	100	
128	42.3	29.7 44.5
54	52.3	43.1 64.7



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

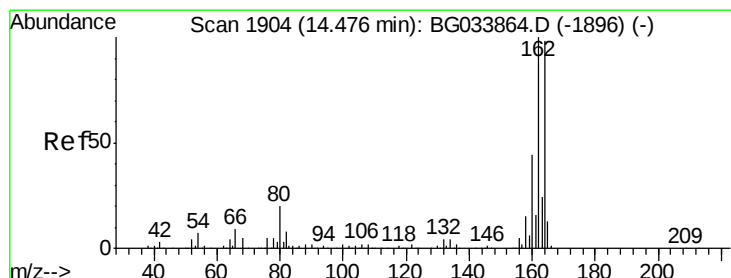
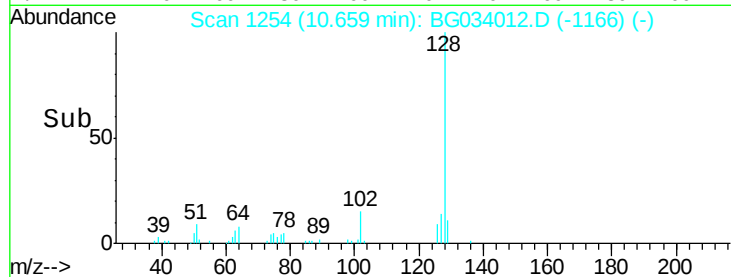
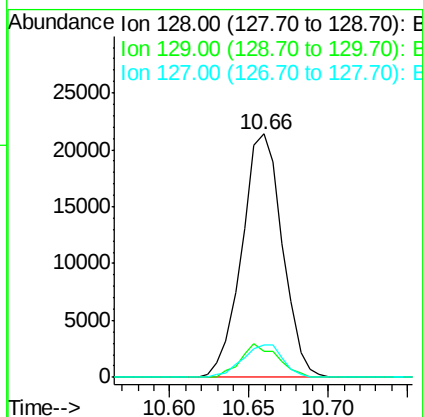
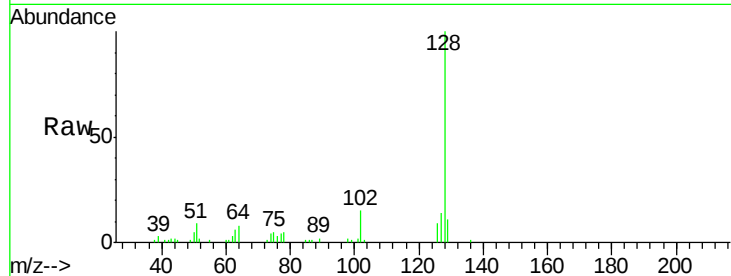




#31
Naphthalene
Concen: 2.793 ng
RT: 10.66 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BG034012.D
Acq: 26 Apr 2018 7:55

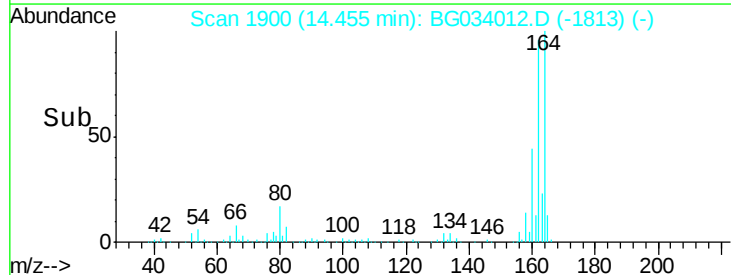
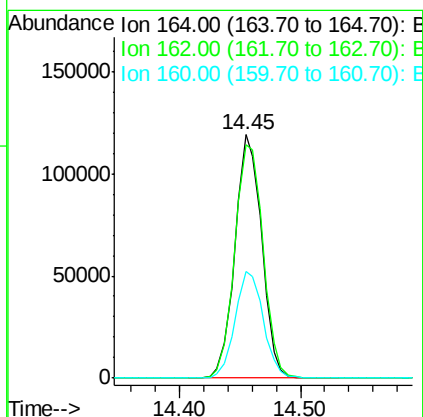
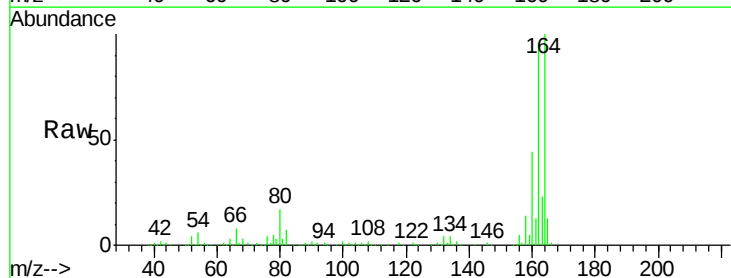
Instrument :
BNA_G
ClientSampled :

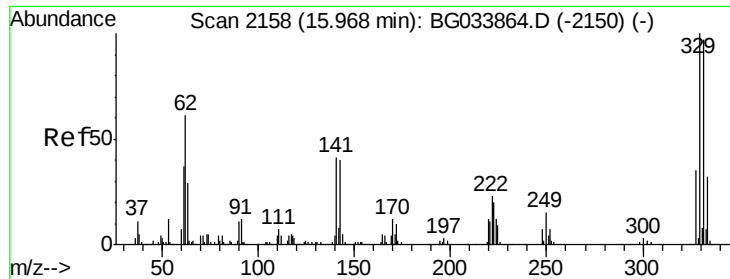
Tot Ion:128 Resp: 37989
Ion Ratio Lower Upper
128 100
129 10.7 8.6 12.8
127 13.5 11.6 17.4



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.45 min Scan# 1900
Delta R.T. -0.02 min
Lab File: BG034012.D
Acq: 26 Apr 2018 7:55

Tgt Ion:164 Resp: 183716
Ion Ratio Lower Upper
164 100
162 96.1 78.8 118.2
160 44.0 35.4 53.0





#41

2,4,6-Tribromophenol

Concen: 178.976 ng

RT: 15.95 min Scan# 2155

Delta R.T. -0.02 min

Lab File: BG034012.D

Acq: 26 Apr 2018 7:55

Instrument :

BNA_G

ClientSampleId :

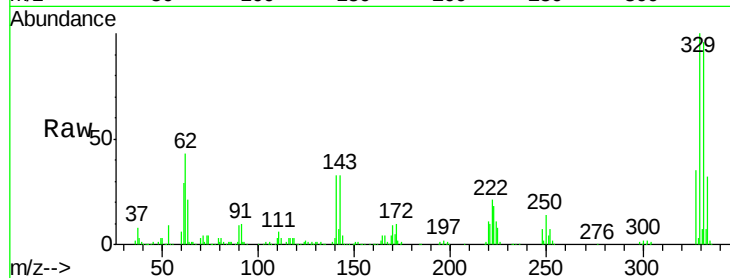
Tot Ion:330 Resp: 383607

Ion Ratio Lower Upper

330 100

332 96.9 77.0 115.6

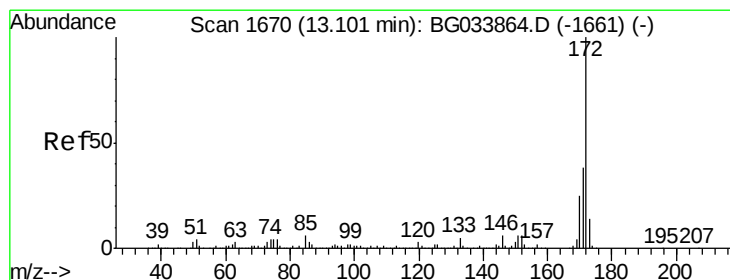
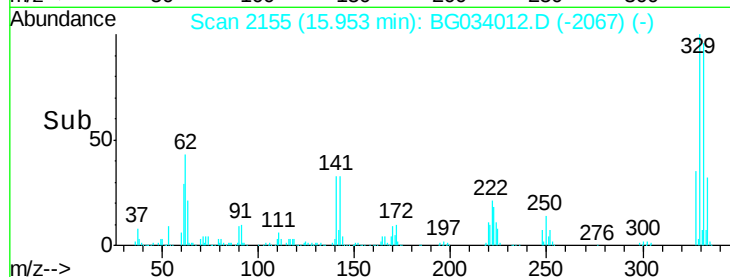
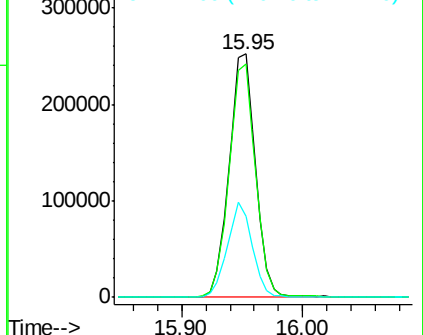
141 36.9 25.2 37.8



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: 99.317 ng

RT: 13.08 min Scan# 1666

Delta R.T. -0.02 min

Lab File: BG034012.D

Acq: 26 Apr 2018 7:55

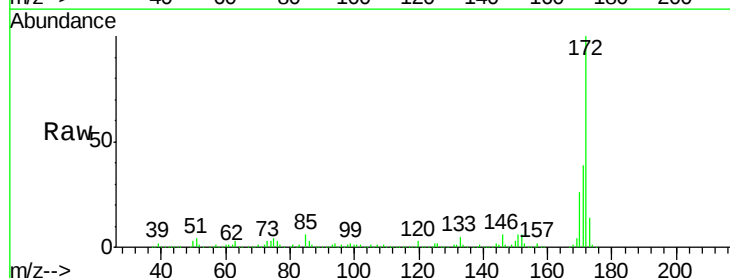
Tgt Ion:172 Resp: 1242056

Ion Ratio Lower Upper

172 100

171 38.7 30.0 45.0

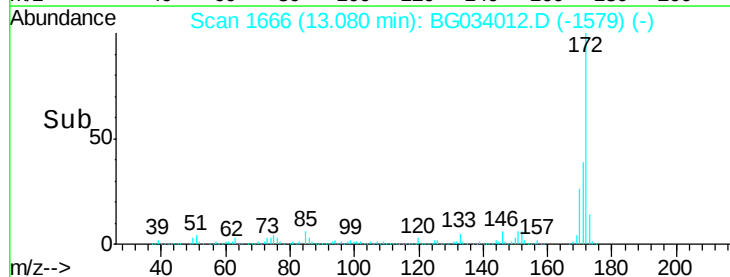
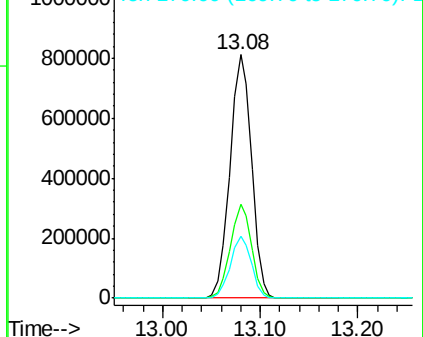
170 25.5 19.5 29.3

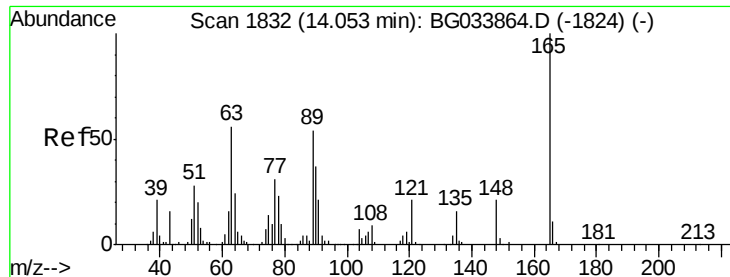


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

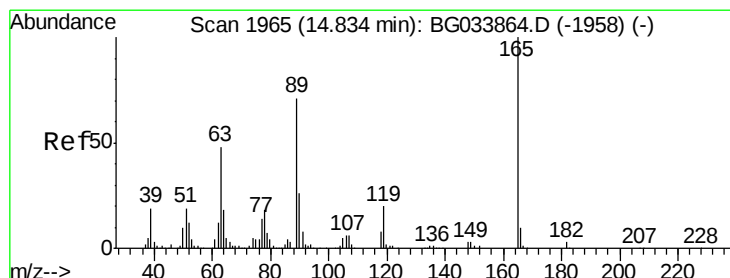
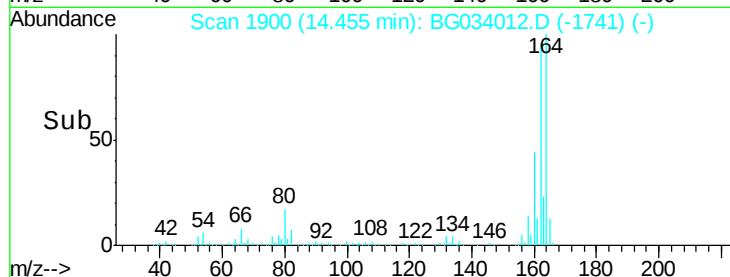
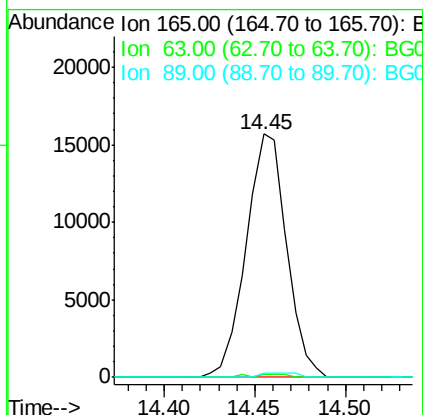
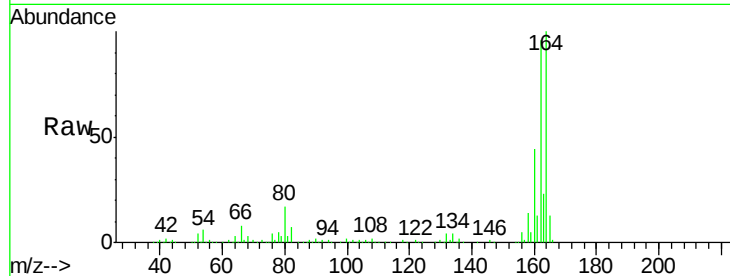




#50
 2,6-Dinitrotoluene
 Concen: 7.935 ng
 RT: 14.45 min Scan# 1900
 Delta R.T. 0.40 min
 Lab File: BG034012.D
 Acq: 26 Apr 2018 7:55

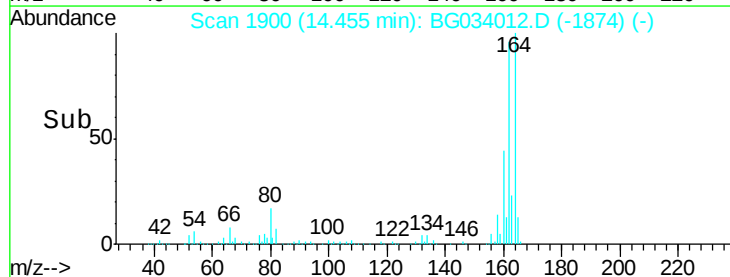
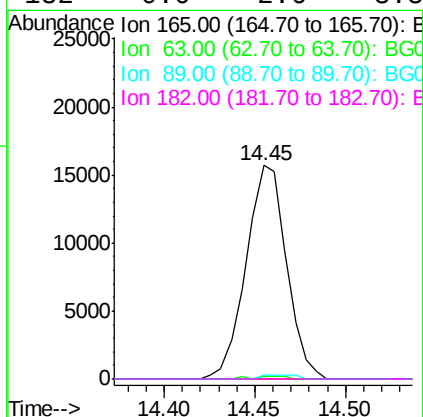
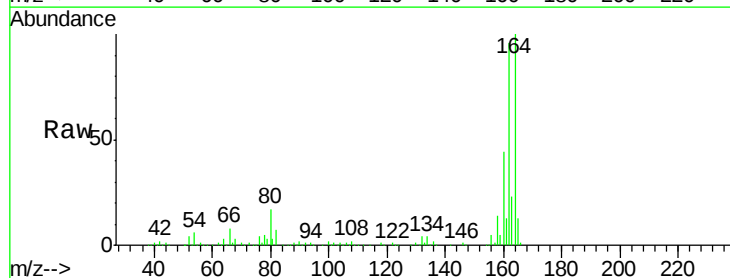
Instrument :
 BNA_G
 ClientSampleId :

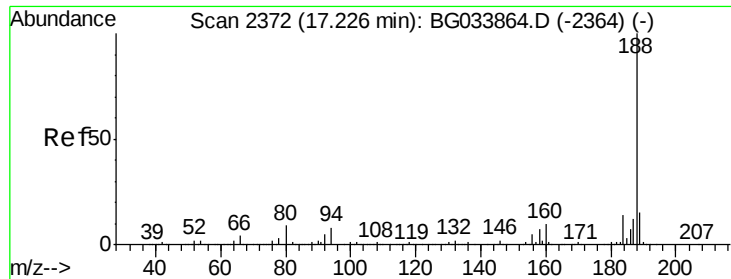
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	52.7	79.1#
89	2.0	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.967 ng
 RT: 14.45 min Scan# 1900
 Delta R.T. -0.38 min
 Lab File: BG034012.D
 Acq: 26 Apr 2018 7:55

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	42.0	63.0#
89	2.0	66.9	100.3#
182	0.0	2.6	3.8#

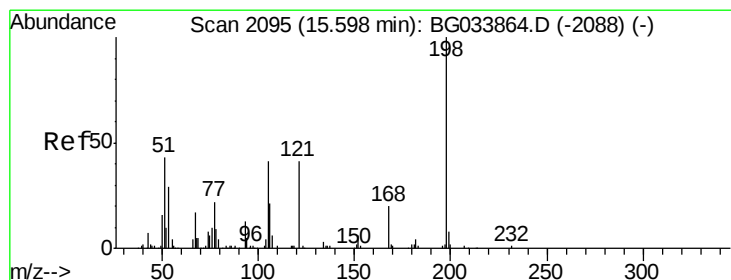
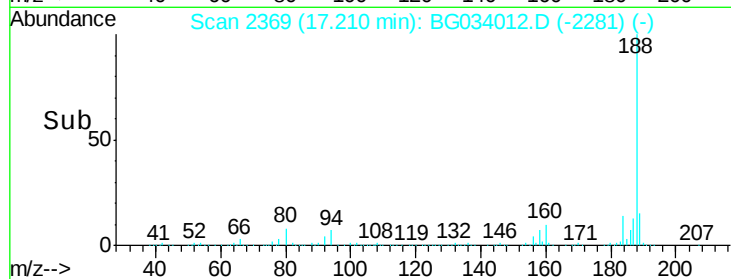
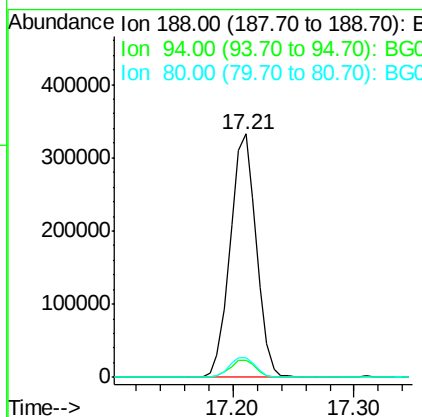
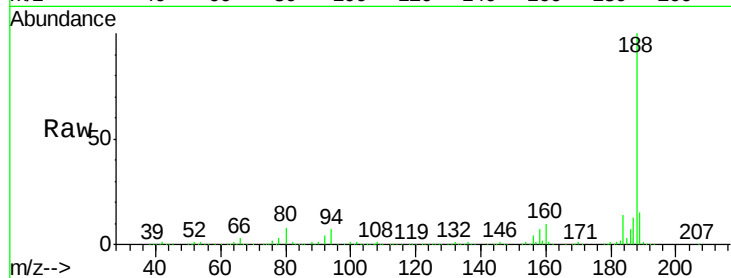




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.21 min Scan# 2369
 Delta R.T. -0.02 min
 Lab File: BG034012.D
 Acq: 26 Apr 2018 7:55

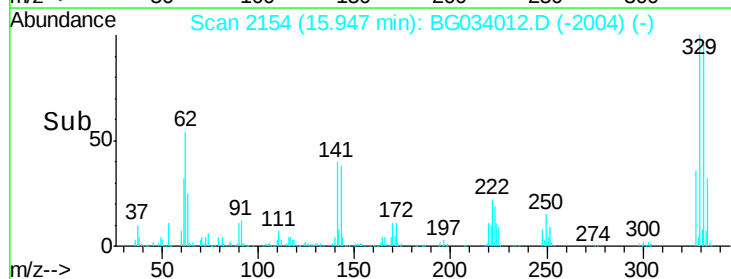
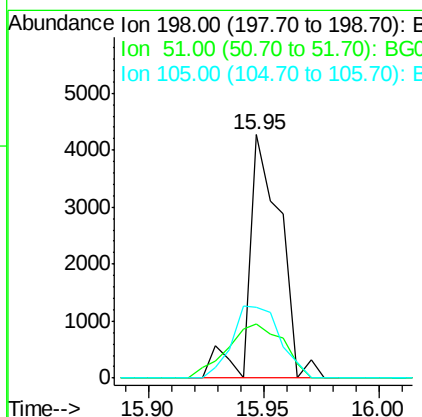
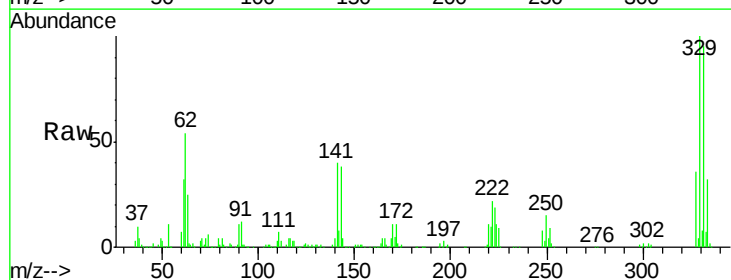
Instrument :
 BNA_G
 ClientSampleId :

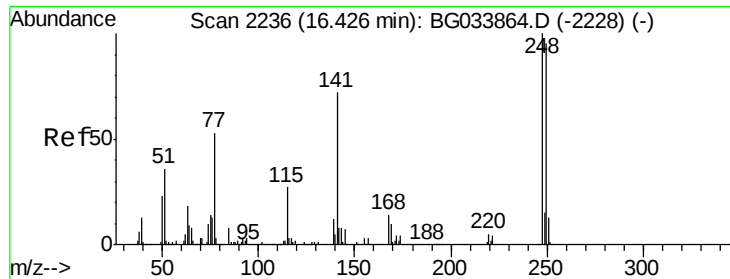
Tot Ion:188 Resp: 500081
 Ion Ratio Lower Upper
 188 100
 94 6.8 6.9 10.3#
 80 8.1 7.7 11.5



#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.944 ng
 RT: 15.95 min Scan# 2154
 Delta R.T. 0.35 min
 Lab File: BG034012.D
 Acq: 26 Apr 2018 7:55

Tgt Ion:198 Resp: 4050
 Ion Ratio Lower Upper
 198 100
 51 22.1 30.6 70.6#
 105 29.1 23.8 63.8

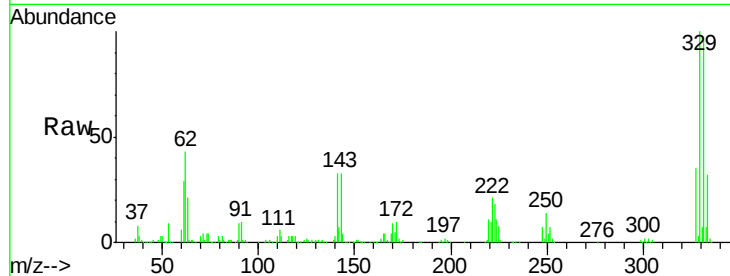




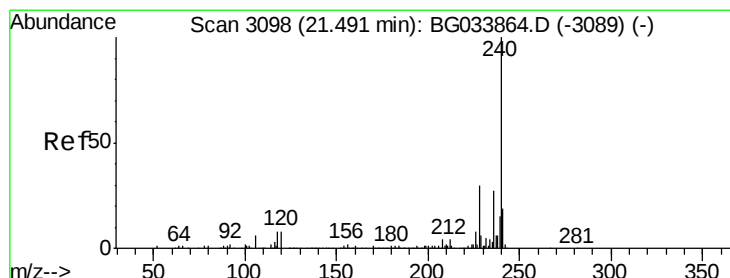
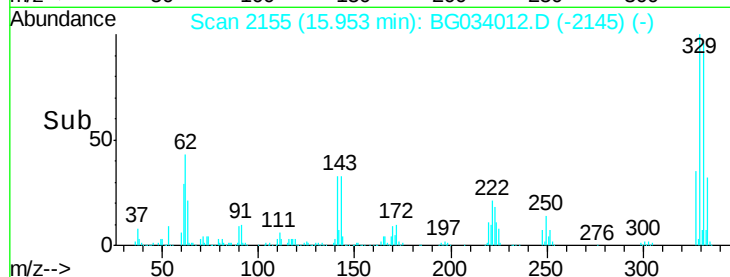
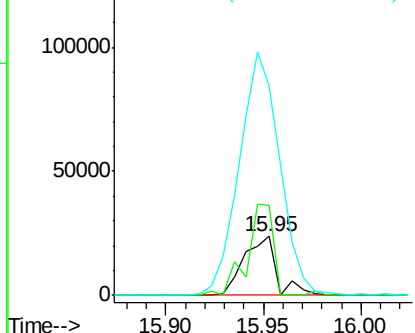
#66
4-Bromophenyl-phenylether
Concen: 5.051 ng
RT: 15.95 min Scan# 2155
Delta R.T. -0.47 min
Lab File: BG034012.D
Acq: 26 Apr 2018 7:55

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 27740
Ion Ratio Lower Upper
248 100
250 194.5 77.1 115.7#
141 356.3 50.8 76.2#

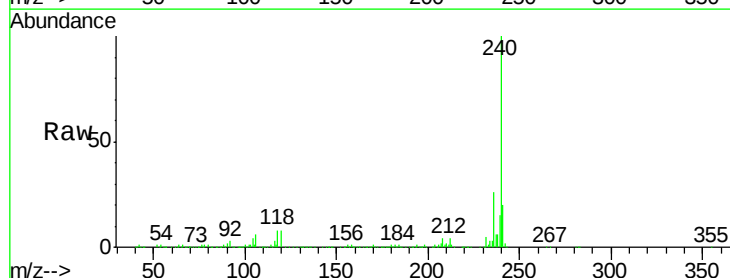


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

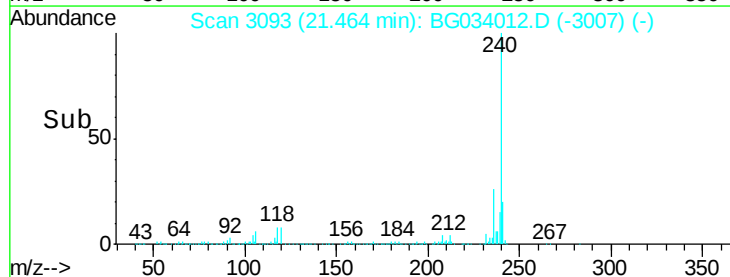
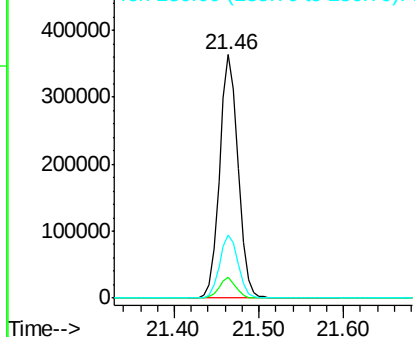


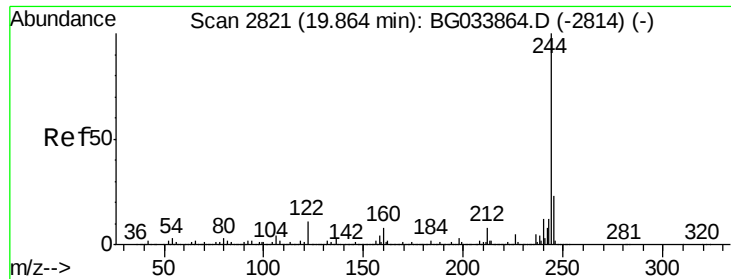
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.46 min Scan# 3093
Delta R.T. -0.03 min
Lab File: BG034012.D
Acq: 26 Apr 2018 7:55

Tgt Ion:240 Resp: 554983
Ion Ratio Lower Upper
240 100
120 8.4 6.8 10.2
236 25.9 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





#78

Terphenyl-d14

Concen: 96.599 ng

RT: 19.85 min Scan# 2818

Delta R.T. -0.02 min

Lab File: BG034012.D

Acq: 26 Apr 2018 7:55

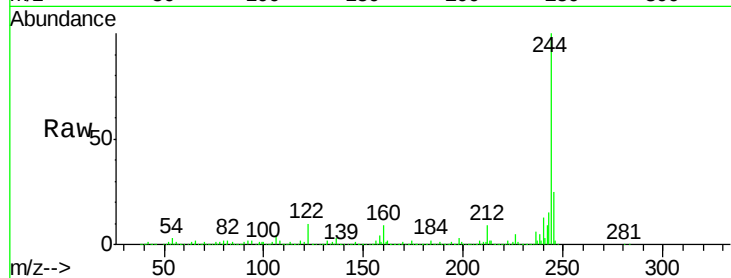
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 2386284

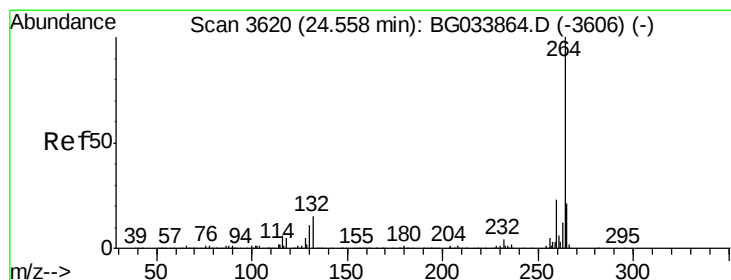
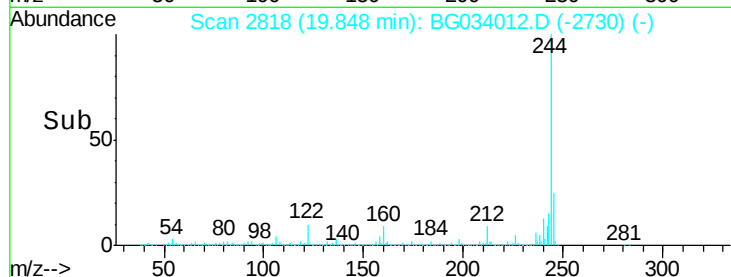
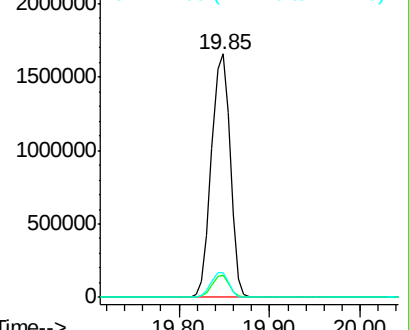
Ion	Ratio	Lower	Upper
244	100		
212	9.2	5.8	8.8
122	10.4	7.0	10.4



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# 3613

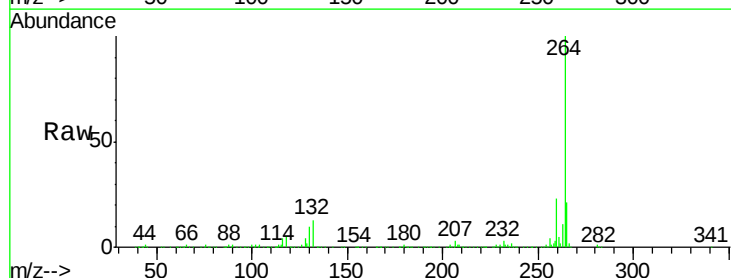
Delta R.T. -0.04 min

Lab File: BG034012.D

Acq: 26 Apr 2018 7:55

Tgt Ion:264 Resp: 549390

Ion	Ratio	Lower	Upper
264	100		
260	23.0	17.4	26.0
265	20.8	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

