

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030218\
 Data File : BG032974.D
 Acq On : 3 Mar 2018 9:51
 Operator : SJ/JU
 Sample : J1751-16
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 05 01:36:19 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 01 17:38:52 2018
 Response via : Initial Calibration

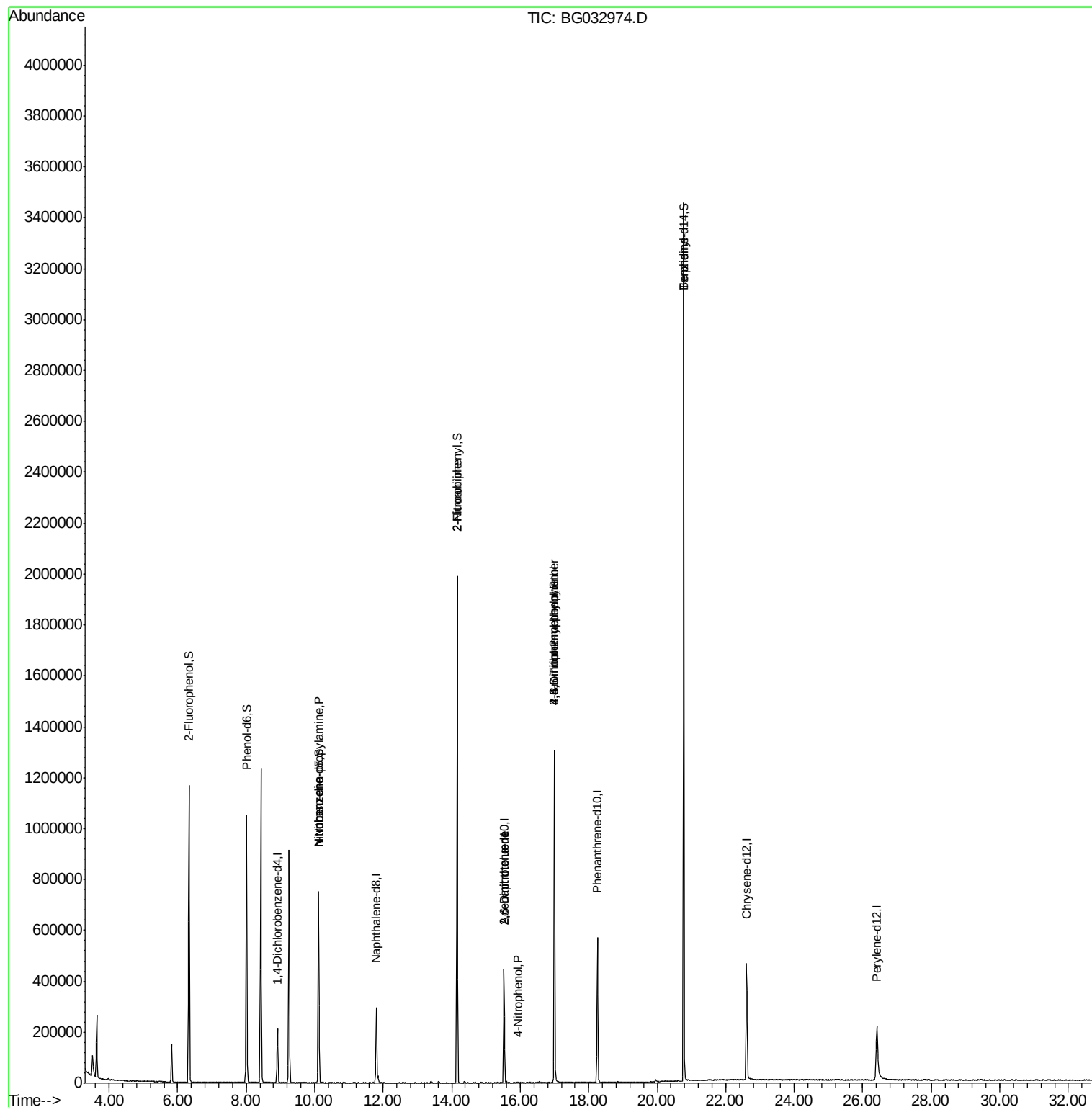
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	61940	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	267534	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	151382	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	349379	20.00	ng	0.00
75) Chrysene-d12	22.61	240	320910	20.00	ng	-0.01
86) Perylene-d12	26.41	264	300621	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	535363	138.28	ng	0.00
7) Phenol-d6	8.01	99	657551	121.85	ng	0.00
23) Nitrobenzene-d5	10.11	82	467522	117.04	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	228228	143.38	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	1023800	97.54	ng	0.00
78) Terphenyl-d14	20.77	244	1497594	104.85	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.11	70	60968	16.003	ng	# 83
24) Nitrobenzene	10.11	77	1365	6.658	ng	# 47
47) 2-Nitroaniline	14.16	65	1802	10.411	ng	# 1
50) 2,6-Dinitrotoluene	15.53	165	20023	16.565	ng	# 20
55) 4-Nitrophenol	15.92	139	957	7.495	ng	# 1
56) 2,4-Dinitrotoluene	15.53	165	20023	14.764	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.00	198	290	5.302	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	16659	4.509	ng	# 1
76) Benzidine	20.77	184	27458	2.510	ng	# 92

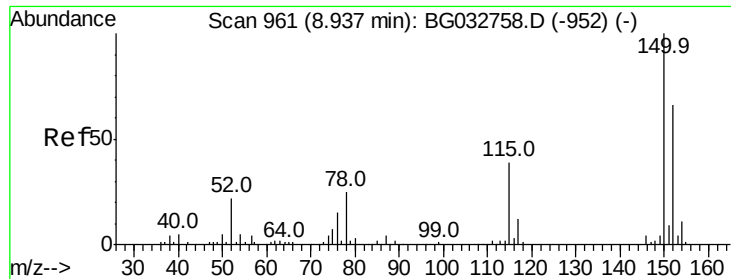
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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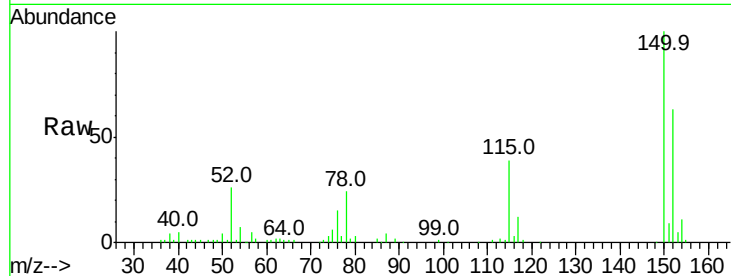


#1

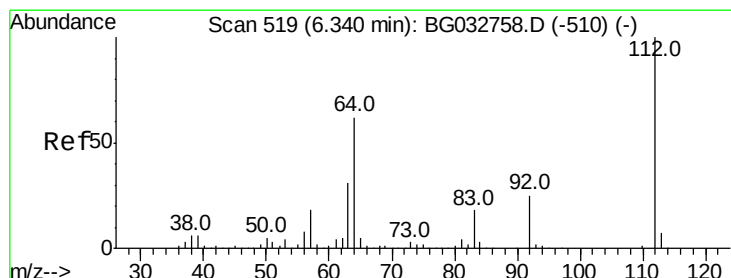
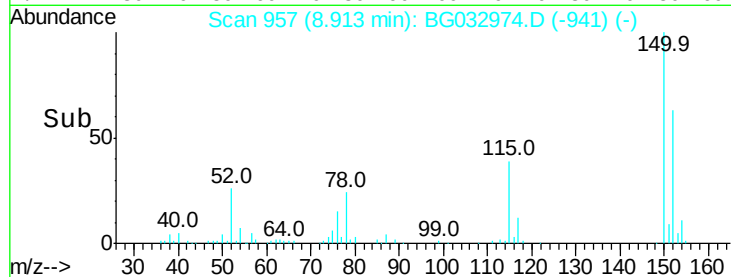
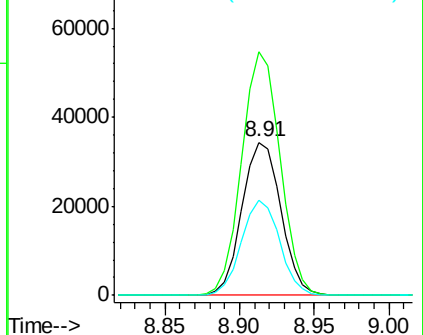
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.01 min
Lab File: BG032974.D
Acq: 3 Mar 2018 9:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 61940
Ion Ratio Lower Upper
152 100
150 159.2 126.6 189.8
115 61.9 53.0 79.4



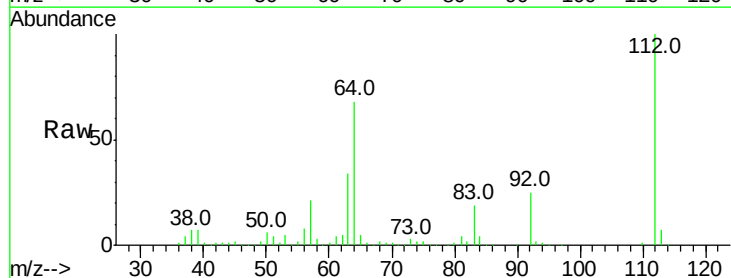
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



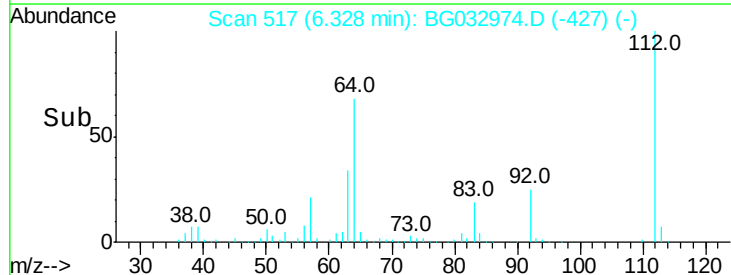
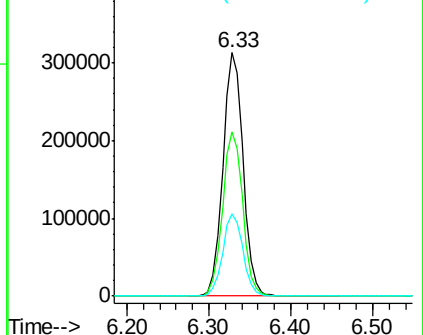
#5

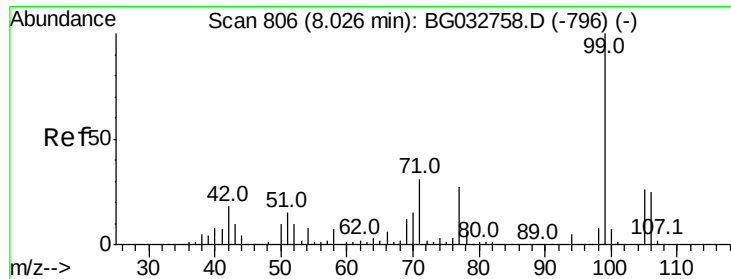
2-Fluorophenol
Concen: 138.279 ng
RT: 6.33 min Scan# 517
Delta R.T. -0.00 min
Lab File: BG032974.D
Acq: 3 Mar 2018 9:51

Tgt Ion:112 Resp: 535363
Ion Ratio Lower Upper
112 100
64 67.6 56.3 84.5
63 33.8 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: 121.848 ng

RT: 8.01 min Scan# 803

Delta R.T. -0.01 min

Lab File: BG032974.D

Acq: 3 Mar 2018 9:51

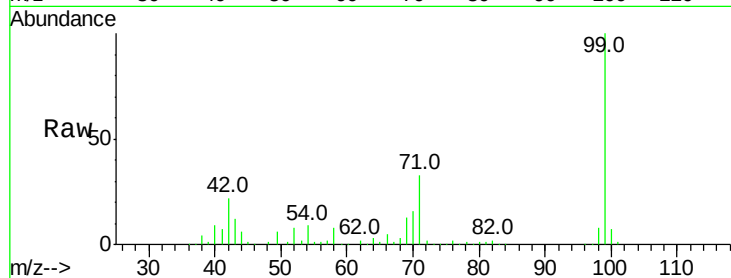
Instrument :

BNA_G

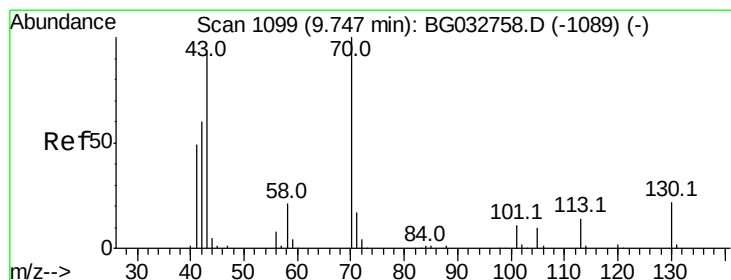
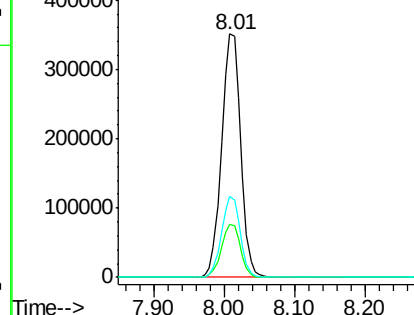
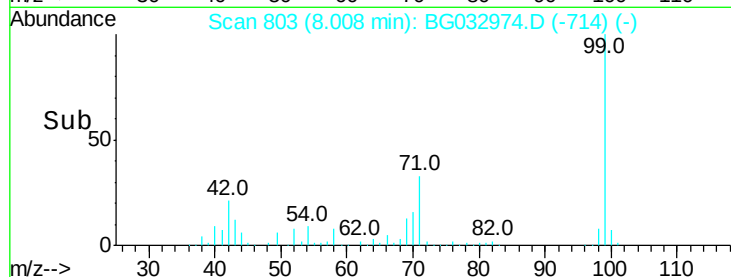
ClientSampleId :

Tot Ion: 99 Resp: 657551

Ion	Ratio	Lower	Upper
99	100		
42	21.6	14.1	21.1#
71	33.0	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: 16.003 ng

RT: 10.11 min Scan# 1161

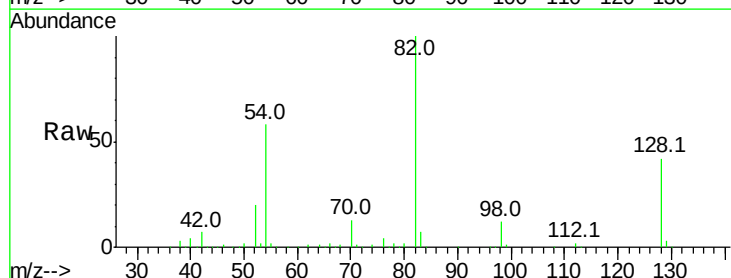
Delta R.T. 0.38 min

Lab File: BG032974.D

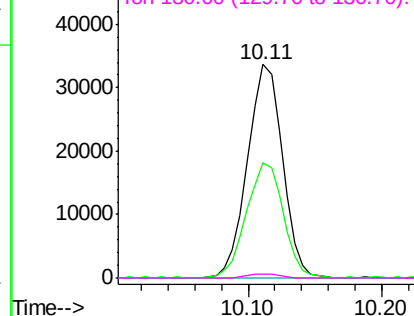
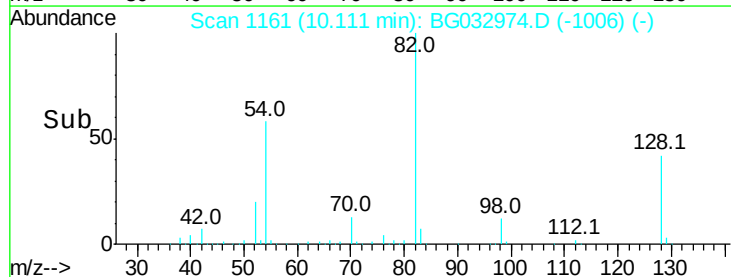
Acq: 3 Mar 2018 9:51

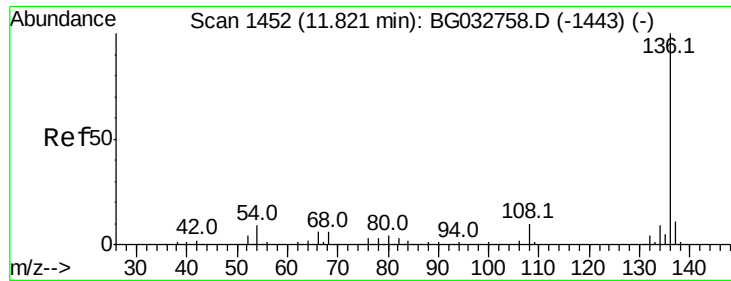
Tgt Ion: 70 Resp: 60968

Ion	Ratio	Lower	Upper
70	100		
42	53.7	49.1	73.7
101	0.0	8.5	12.7#
130	1.6	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

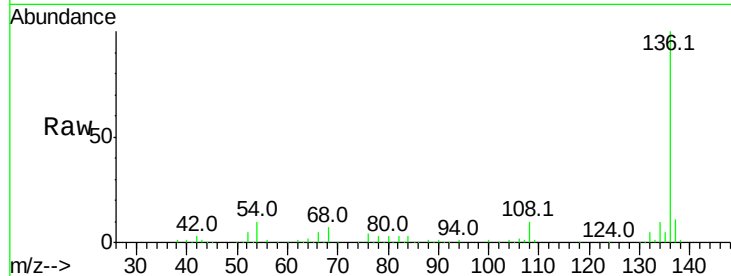




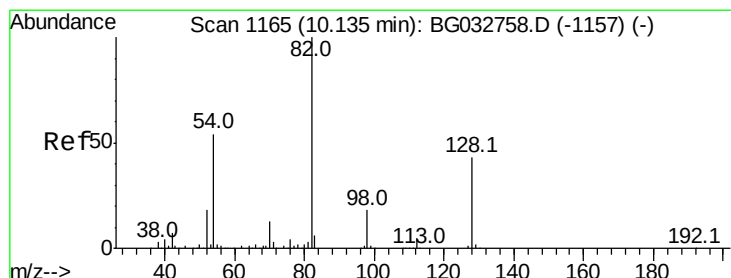
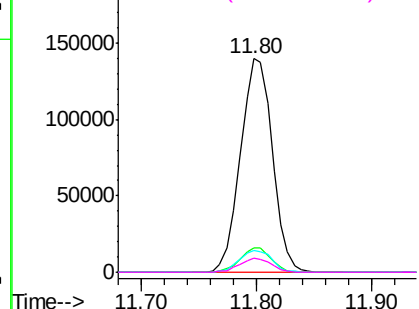
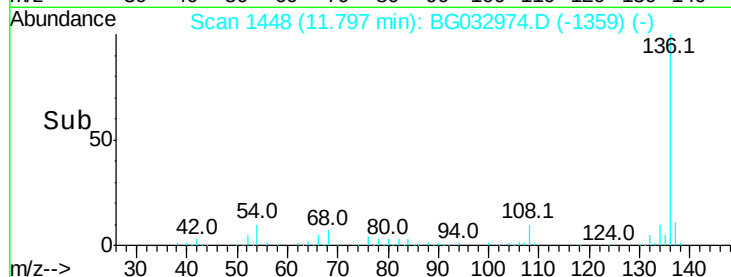
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.80 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BG032974.D
Acq: 3 Mar 2018 9:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	267534
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.2	13.8
54	10.5	10.3	15.5
68	6.8	4.5	6.7#

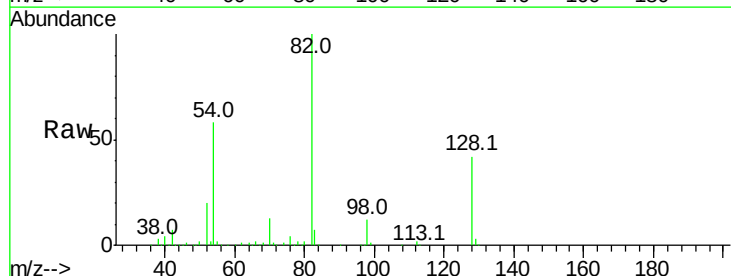


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

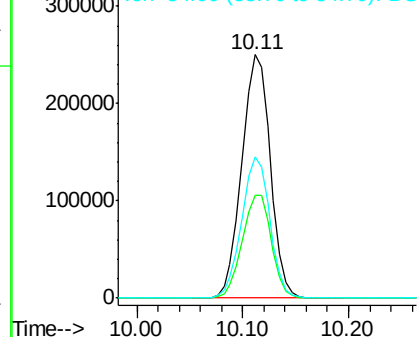
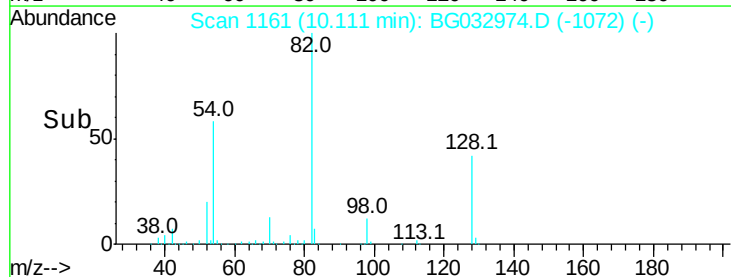


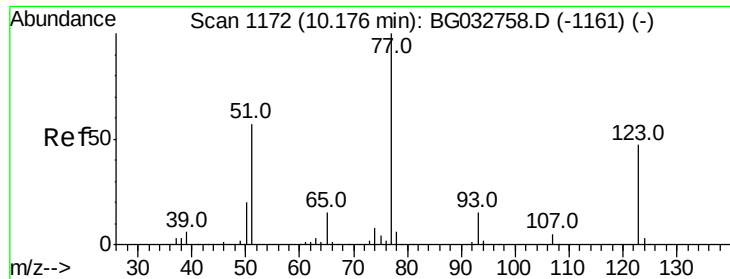
#23
Nitrobenzene-d5
Concen: 117.040 ng
RT: 10.11 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BG032974.D
Acq: 3 Mar 2018 9:51

Tgt Ion:	82	Resp:	467522
Ion	Ratio	Lower	Upper
82	100		
128	42.4	29.7	44.5
54	57.9	43.1	64.7



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





#24

Nitrobenzene

Concen: 6.658 ng

RT: 10.11 min Scan# 1161

Delta R.T. -0.05 min

Lab File: BG032974.D

Acq: 3 Mar 2018 9:51

Instrument :

BNA_G

ClientSampleId :

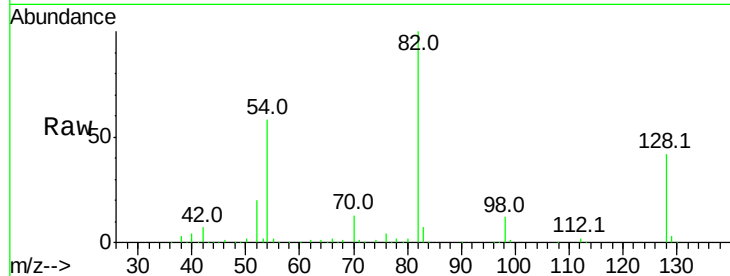
Tot Ion: 77 Resp: 1365

Ion Ratio Lower Upper

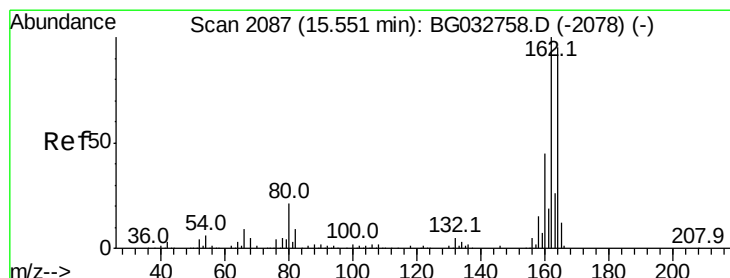
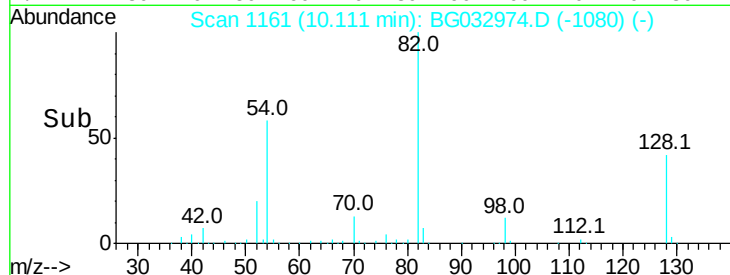
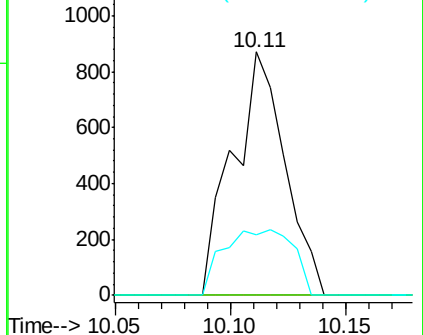
77 100

123 0.0 33.0 49.6#

65 24.9 13.0 19.6#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.53 min Scan# 2083

Delta R.T. -0.01 min

Lab File: BG032974.D

Acq: 3 Mar 2018 9:51

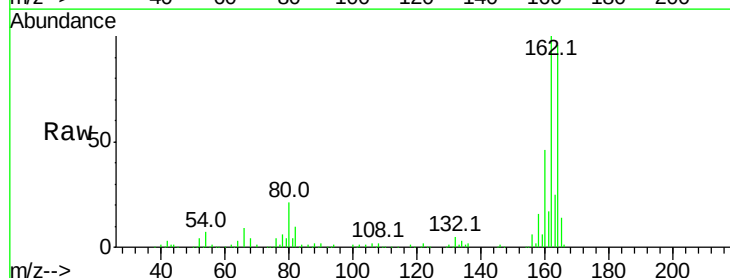
Tgt Ion:164 Resp: 151382

Ion Ratio Lower Upper

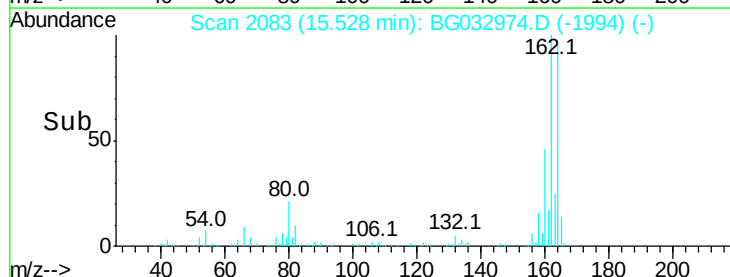
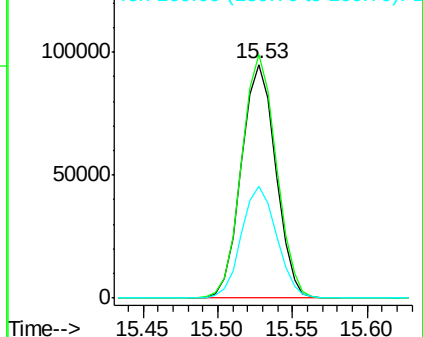
164 100

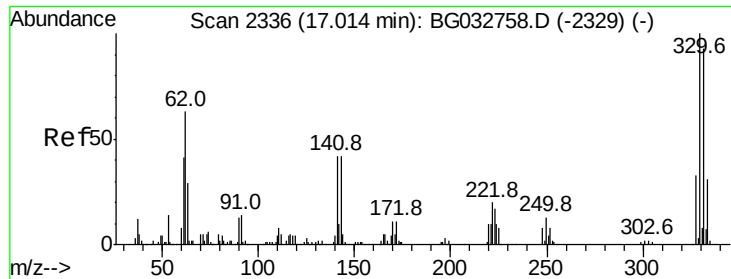
162 104.2 78.8 118.2

160 47.9 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

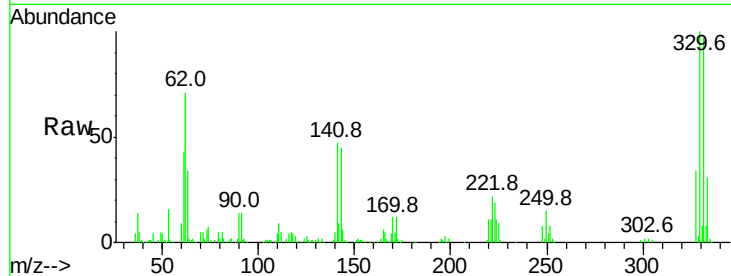




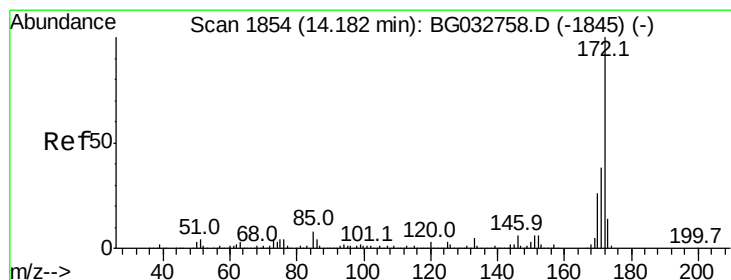
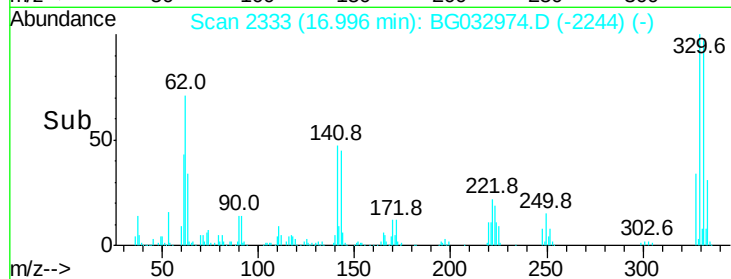
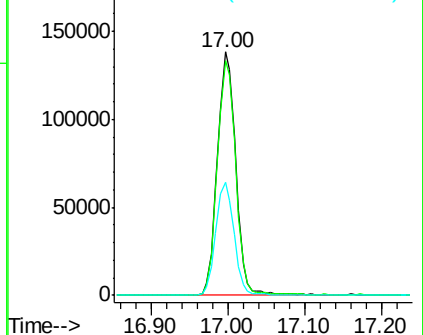
#41
 2,4,6-Tribromophenol
 Concen: 143.384 ng
 RT: 17.00 min Scan# 2333
 Delta R.T. -0.01 min
 Lab File: BG032974.D
 Acq: 3 Mar 2018 9:51

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 228228
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.0 115.6
 141 46.3 25.2 37.8#

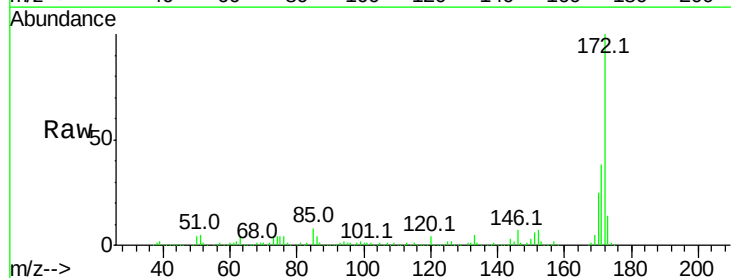


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

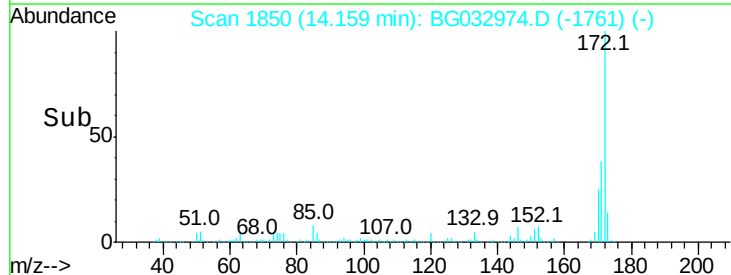
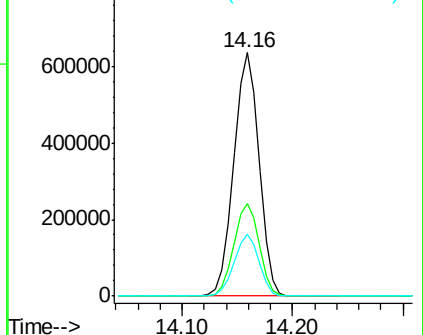


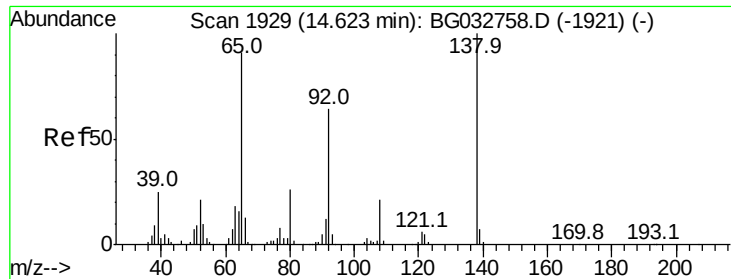
#44
 2-Fluorobiphenyl
 Concen: 97.540 ng
 RT: 14.16 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BG032974.D
 Acq: 3 Mar 2018 9:51

Tgt Ion:172 Resp: 1023800
 Ion Ratio Lower Upper
 172 100
 171 37.9 30.0 45.0
 170 25.2 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





#47

2-Nitroaniline

Concen: 10.411 ng

RT: 14.16 min Scan# 1850

Delta R.T. -0.45 min

Lab File: BG032974.D

Acq: 3 Mar 2018 9:51

Instrument :

BNA_G

ClientSampleId :

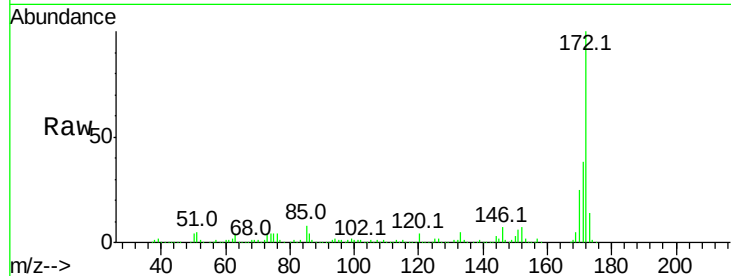
Tot Ion: 65 Resp: 1802

Ion Ratio Lower Upper

65 100

92 192.4 54.6 82.0#

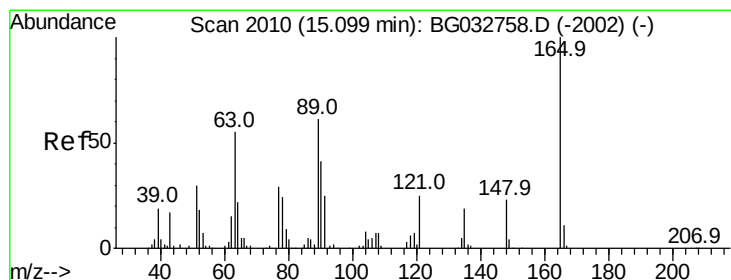
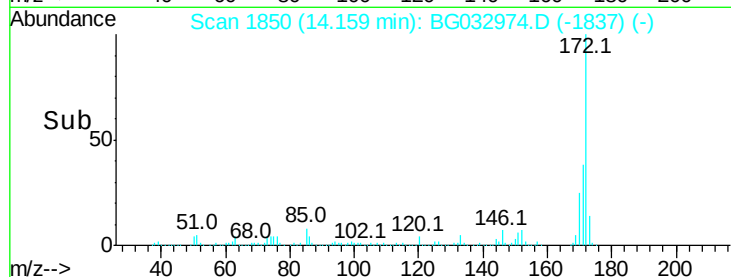
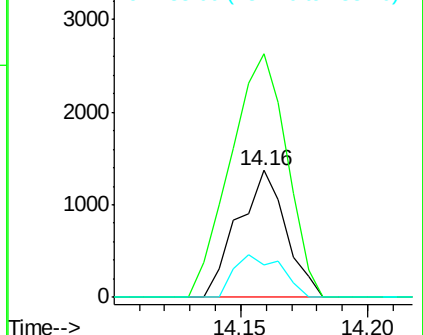
138 25.8 72.9 109.3#



Abundance Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): BGC



#50

2,6-Dinitrotoluene

Concen: 16.565 ng

RT: 15.53 min Scan# 2083

Delta R.T. 0.44 min

Lab File: BG032974.D

Acq: 3 Mar 2018 9:51

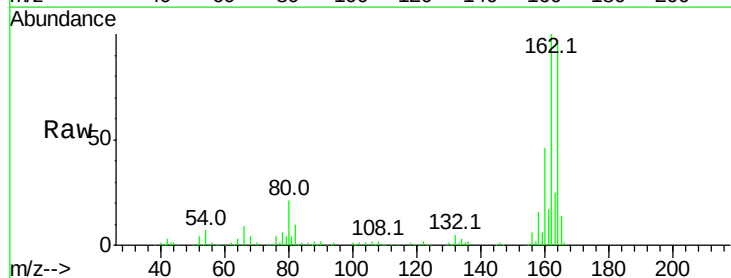
Tgt Ion:165 Resp: 20023

Ion Ratio Lower Upper

165 100

63 1.6 52.7 79.1#

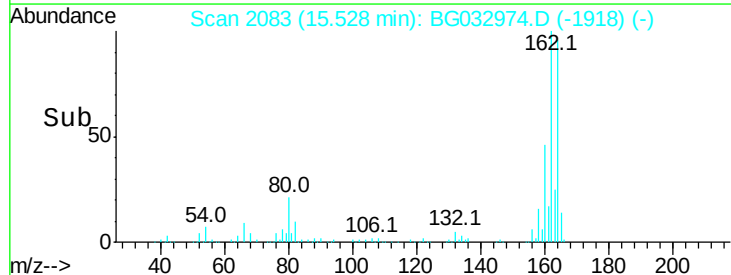
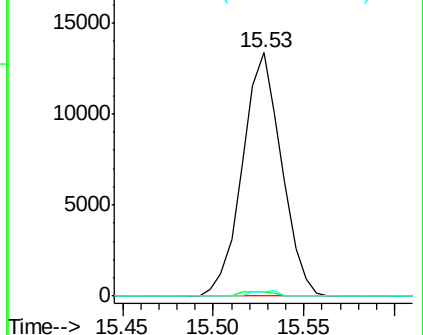
89 1.5 49.2 73.8#

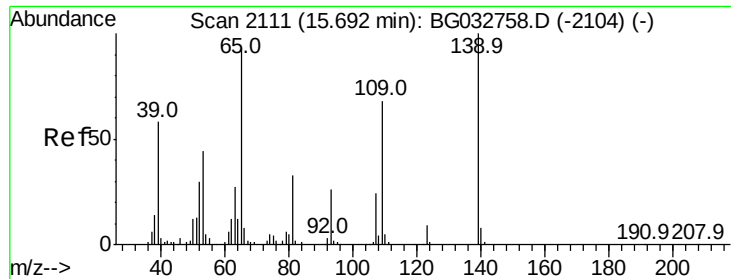


Abundance Ion 165.00 (164.70 to 165.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

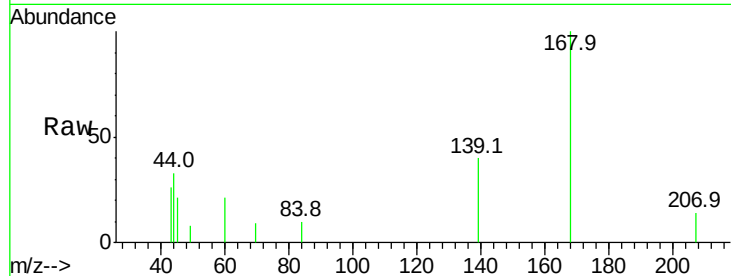




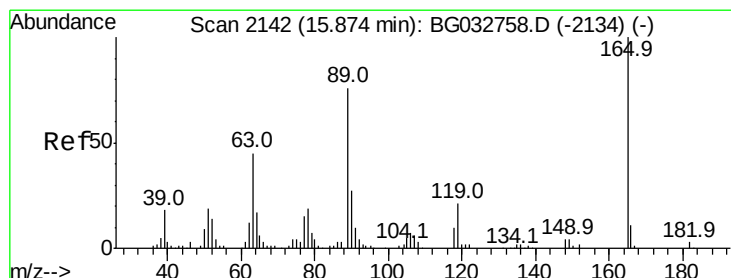
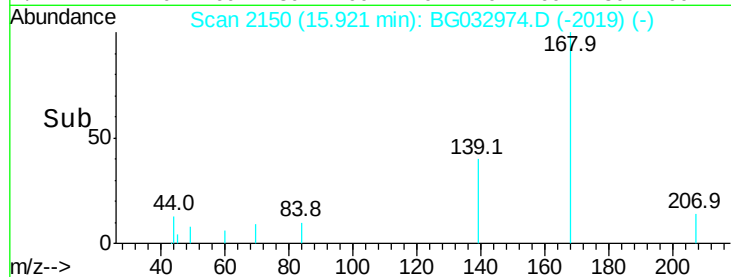
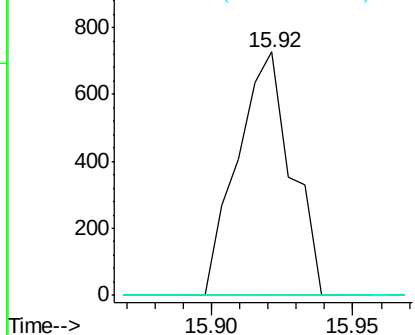
#55
4-Nitrophenol
Concen: 7.495 ng
RT: 15.92 min Scan# 2150
Delta R.T. 0.24 min
Lab File: BG032974.D
Acq: 3 Mar 2018 9:51

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	62.2	102.2#
65	0.0	97.2	137.2#

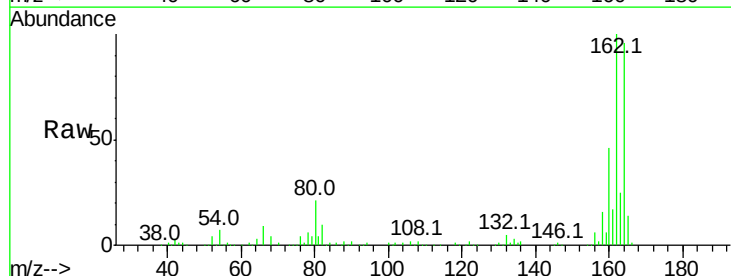


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

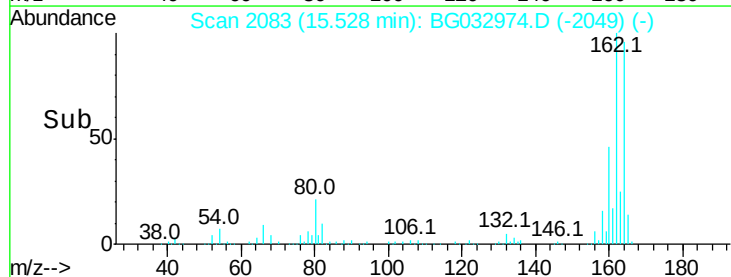
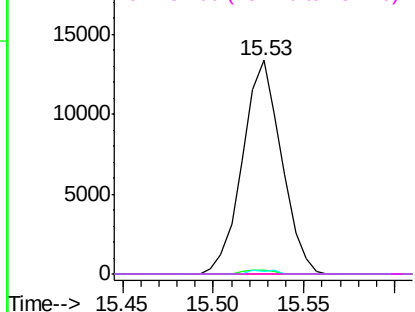


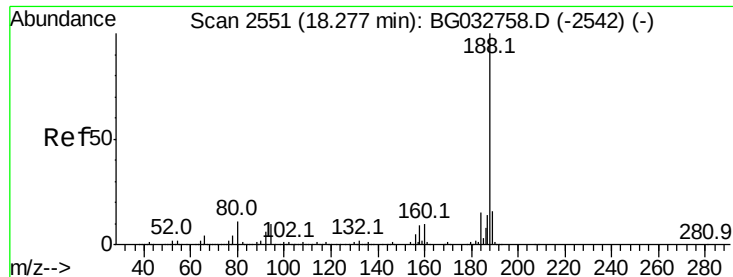
#56
2,4-Dinitrotoluene
Concen: 14.764 ng
RT: 15.53 min Scan# 2083
Delta R.T. -0.33 min
Lab File: BG032974.D
Acq: 3 Mar 2018 9:51

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	42.0	63.0#
89	1.5	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

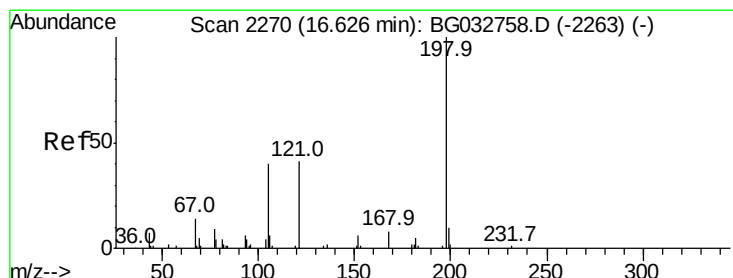
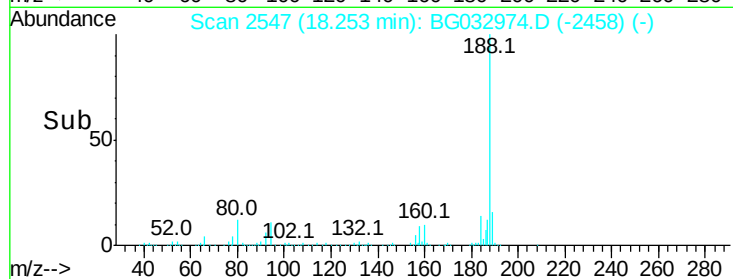
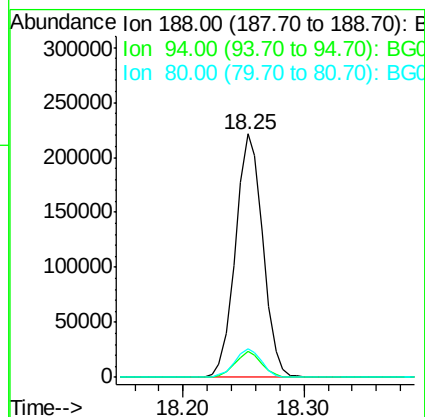
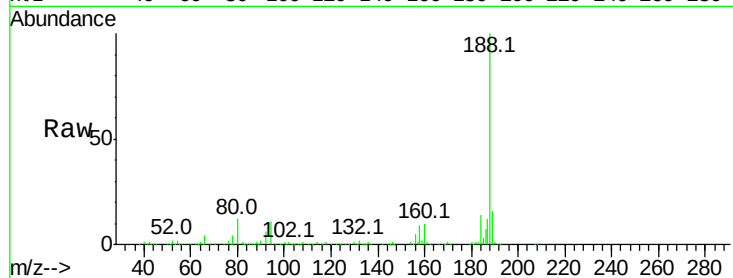




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.25 min Scan# 2547
Delta R.T. -0.01 min
Lab File: BG032974.D
Acq: 3 Mar 2018 9:51

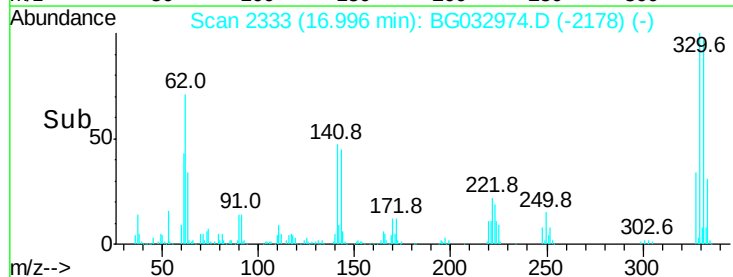
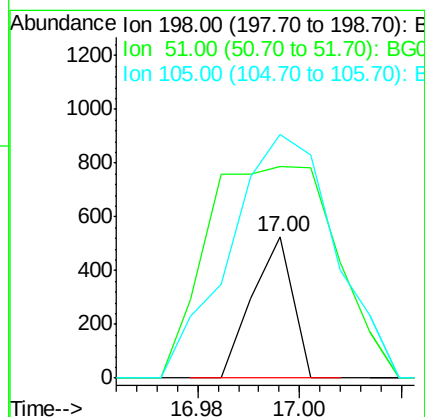
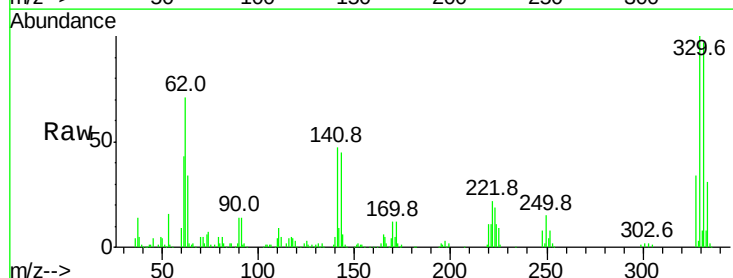
Instrument :
BNA_G
ClientSampled :

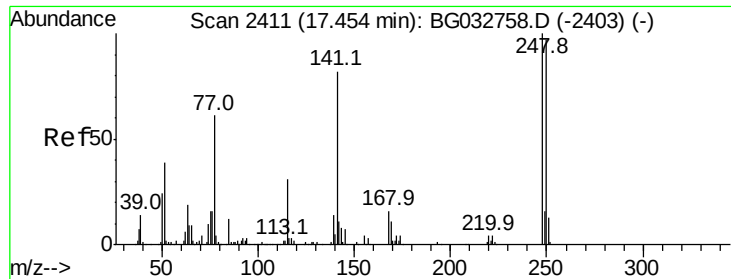
Tot Ion:188 Resp: 349379
Ion Ratio Lower Upper
188 100
94 10.8 6.9 10.3#
80 12.0 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 5.302 ng
RT: 17.00 min Scan# 2333
Delta R.T. 0.38 min
Lab File: BG032974.D
Acq: 3 Mar 2018 9:51

Tgt Ion:198 Resp: 290
Ion Ratio Lower Upper
198 100
51 149.8 30.6 70.6#
105 172.2 23.8 63.8#

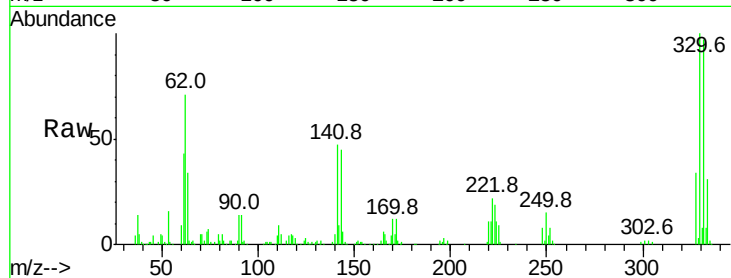




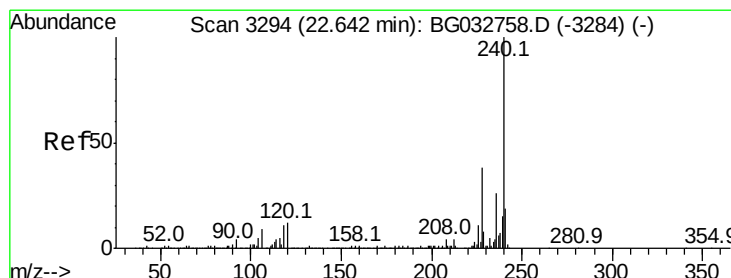
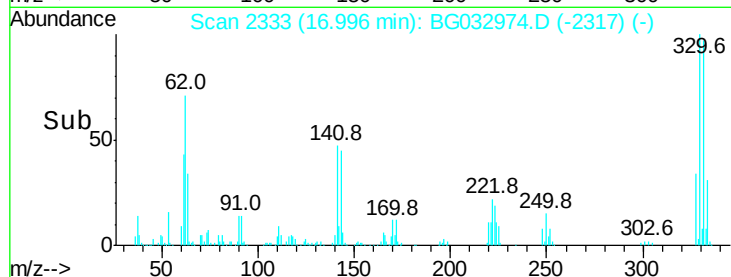
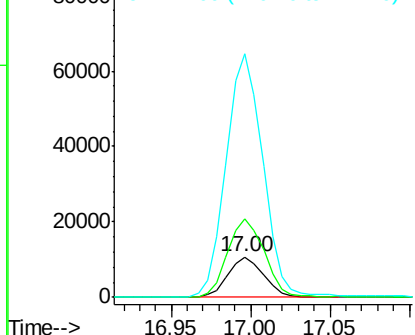
#66
4-Bromophenyl-phenylether
Concen: 4.509 ng
RT: 17.00 min Scan# 2333
Delta R.T. -0.44 min
Lab File: BG032974.D
Acq: 3 Mar 2018 9:51

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 16659
Ion Ratio Lower Upper
248 100
250 194.7 77.1 115.7#
141 602.0 50.8 76.2#

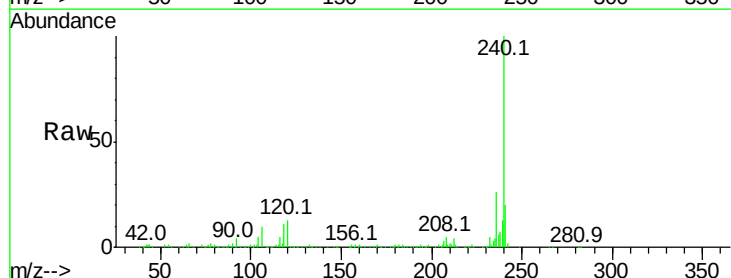


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

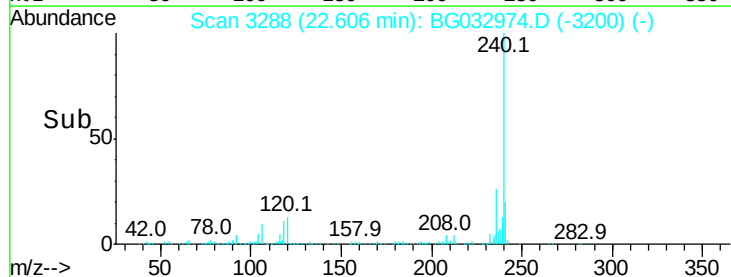
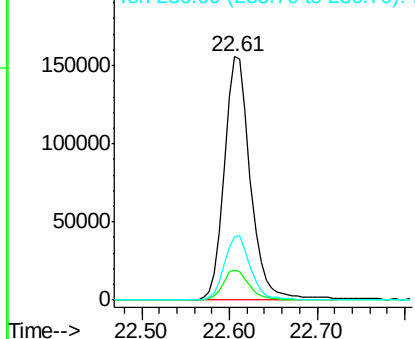


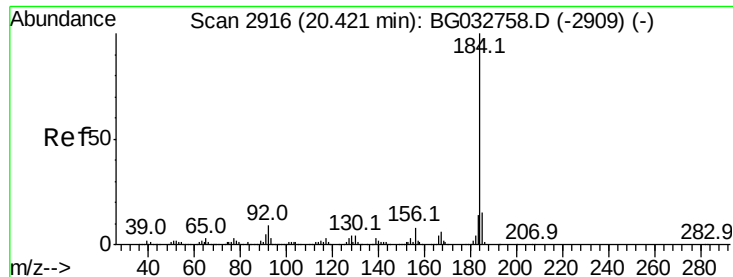
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.61 min Scan# 3288
Delta R.T. -0.01 min
Lab File: BG032974.D
Acq: 3 Mar 2018 9:51

Tgt Ion:240 Resp: 320910
Ion Ratio Lower Upper
240 100
120 12.5 6.8 10.2#
236 26.0 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: 2.510 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.36 min

Lab File: BG032974.D

Acq: 3 Mar 2018 9:51

Instrument :

BNA_G

ClientSampleId :

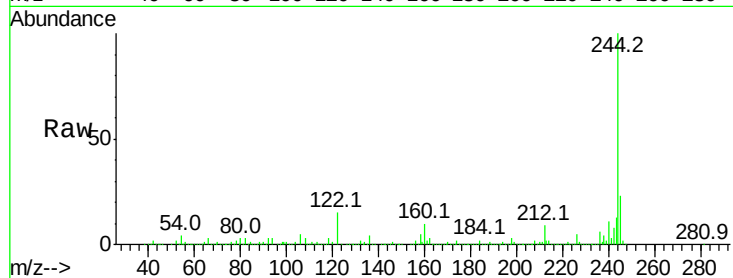
Tot Ion:184 Resp: 27458

Ion Ratio Lower Upper

184 100

185 16.3 11.1 16.7

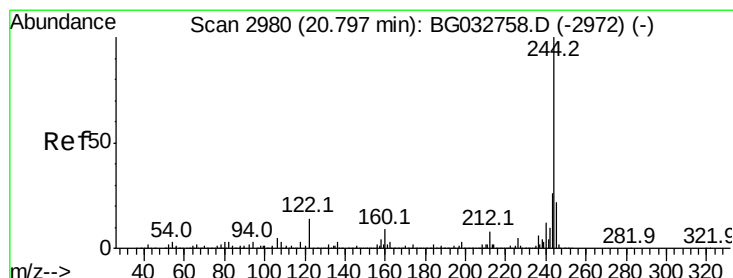
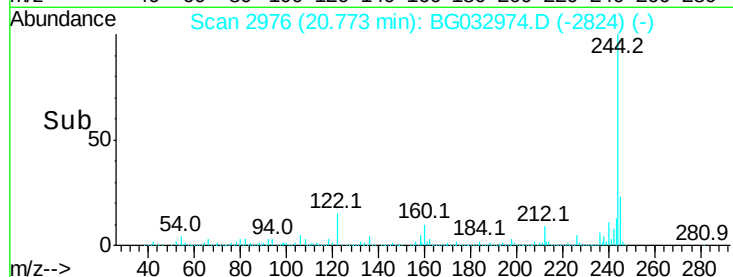
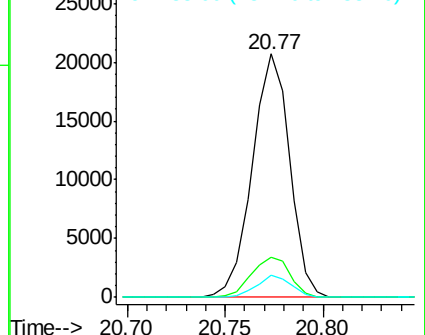
183 8.9 10.6 16.0#



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: 104.848 ng

RT: 20.77 min Scan# 2976

Delta R.T. -0.00 min

Lab File: BG032974.D

Acq: 3 Mar 2018 9:51

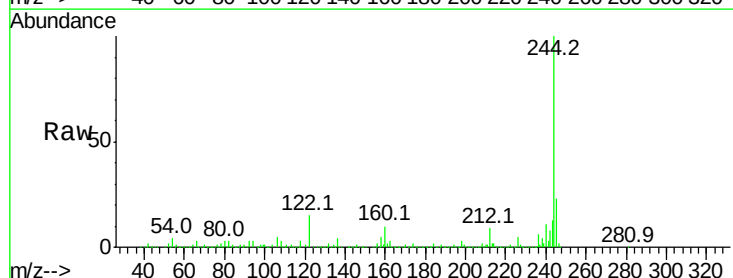
Tgt Ion:244 Resp: 1497594

Ion Ratio Lower Upper

244 100

212 8.8 5.8 8.8#

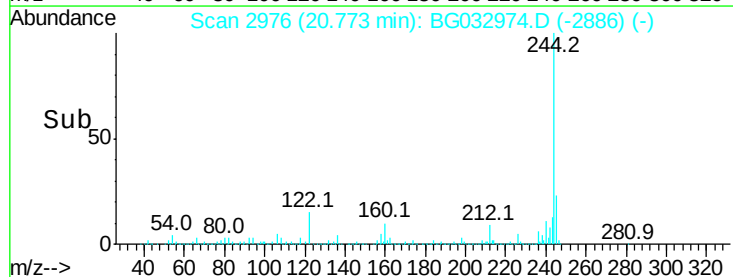
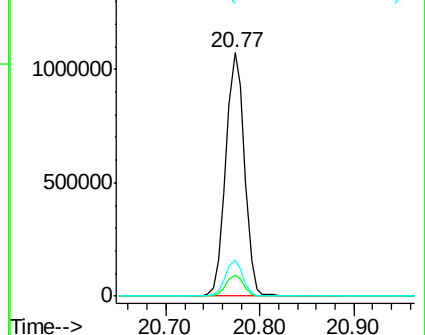
122 14.6 7.0 10.4#

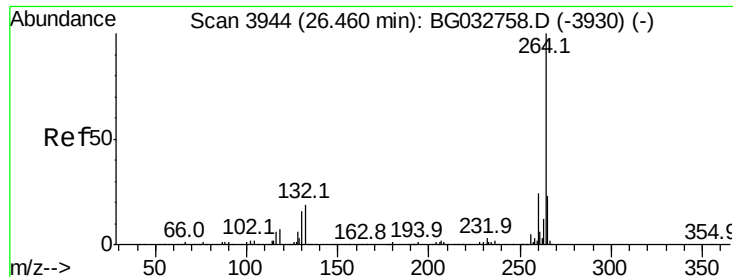


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.41 min Scan# 3936
Delta R.T. -0.01 min
Lab File: BG032974.D
Acq: 3 Mar 2018 9:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	17.4	26.0
265	21.7	17.7	26.5

