

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042418\
 Data File : BG033981.D
 Acq On : 25 Apr 2018 9:23
 Operator : SJ/JU
 Sample : J2508-08
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 25 11:54:24 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	83346	20.00	ng	0.00
21) Naphthalene-d8	10.61	136	342163	20.00	ng	-0.02
38) Acenaphthene-d10	14.46	164	216140	20.00	ng	-0.02
63) Phenanthrene-d10	17.21	188	536366	20.00	ng	-0.02
75) Chrysene-d12	21.47	240	615482	20.00	ng	-0.02
86) Perylene-d12	24.53	264	610837	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	666327	127.64	ng	0.00
7) Phenol-d6	7.00	99	788672	103.58	ng	0.00
23) Nitrobenzene-d5	8.98	82	620506	103.20	ng	0.00
41) 2,4,6-Tribromophenol	15.95	330	394319	156.38	ng	-0.02
44) 2-Fluorobiphenyl	13.08	172	1446258	98.30	ng	-0.02
78) Terphenyl-d14	19.84	244	2449809	89.42	ng	-0.02

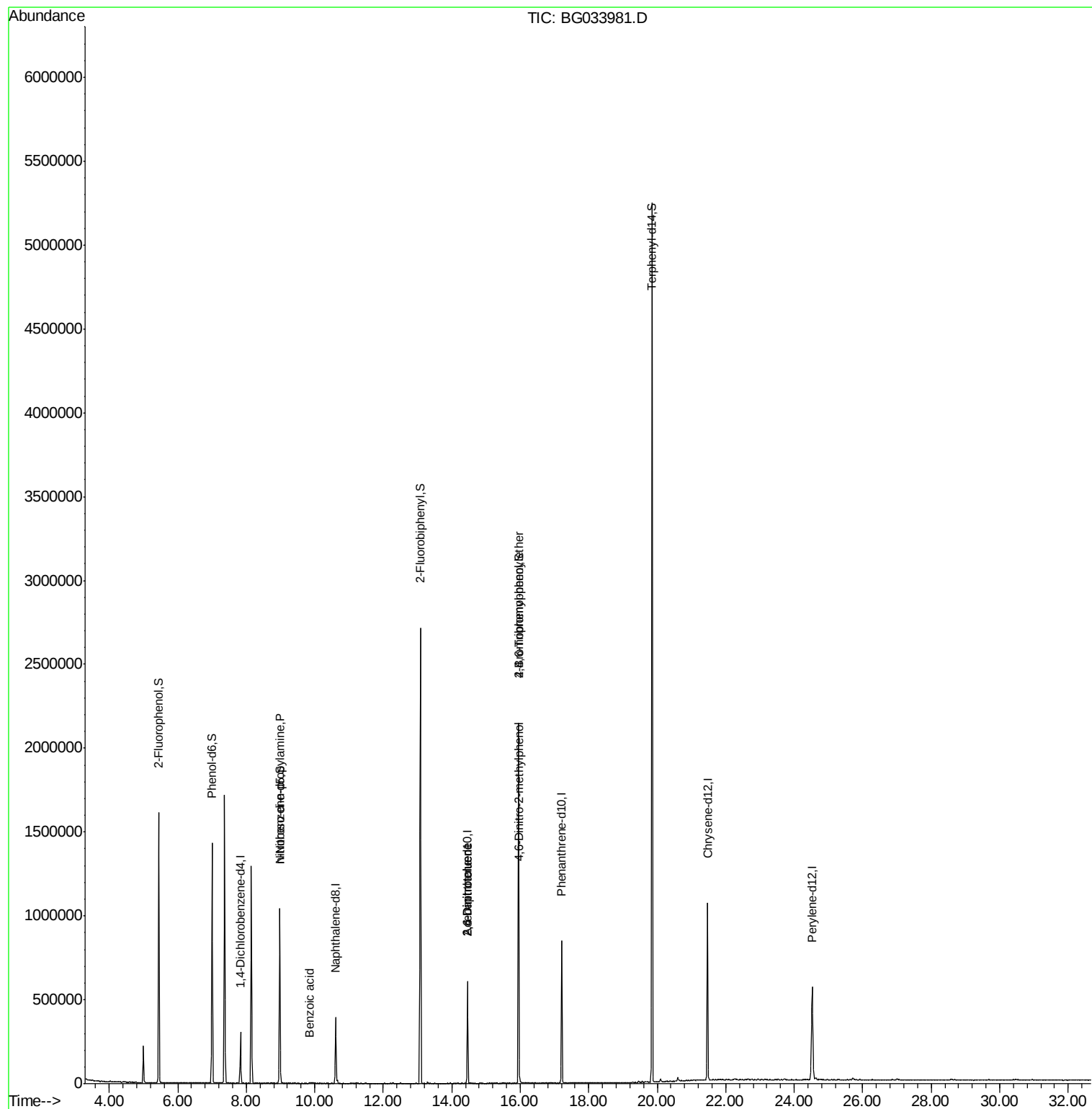
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.00	77	1476	Below Cal	#	5
19) n-Nitroso-di-n-propylamine	8.97	70	87696	13.511	ng	# 76
32) Benzoic acid	9.84	122	2537	5.554	ng	# 92
50) 2,6-Dinitrotoluene	14.46	165	28543	7.922	ng	# 20
56) 2,4-Dinitrotoluene	14.46	165	28543	5.957	ng	# 18
64) 4,6-Dinitro-2-methylphenol	15.97	198	1092	6.855	ng	# 53
66) 4-Bromophenyl-phenylether	15.94	248	24826	4.215	ng	# 1

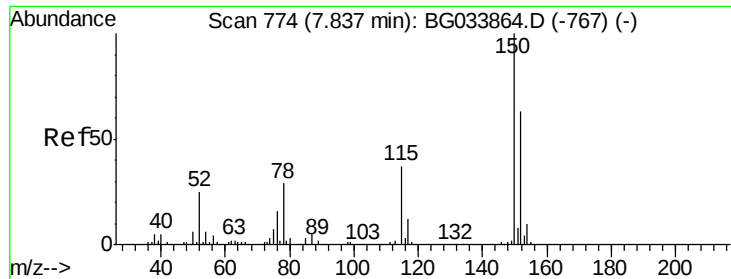
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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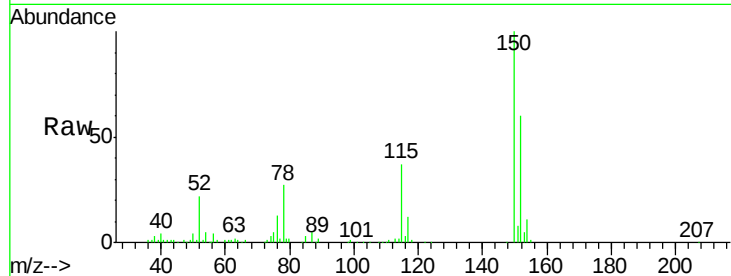


#1

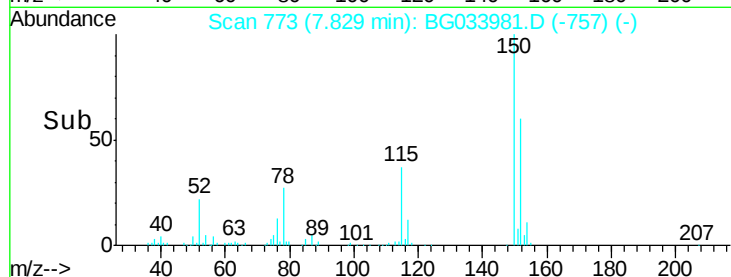
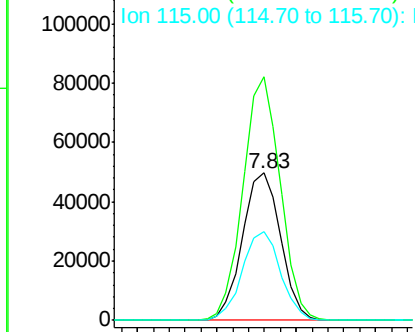
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.83 min Scan# 773
Delta R.T. -0.01 min
Lab File: BG033981.D
Acq: 25 Apr 2018 9:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 83346
Ion Ratio Lower Upper
152 100
150 165.6 126.6 189.8
115 60.6 53.0 79.4



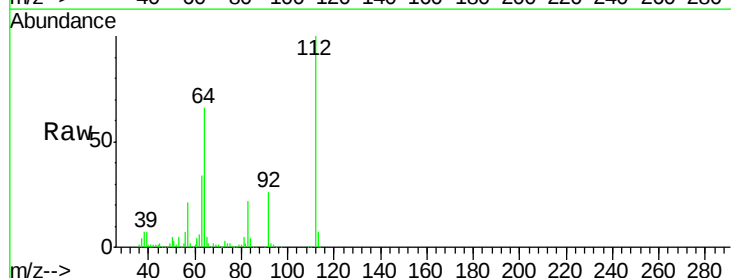
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



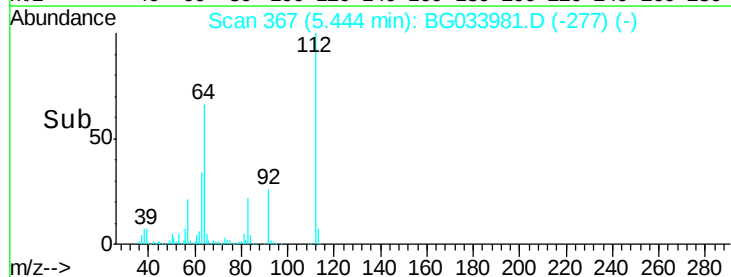
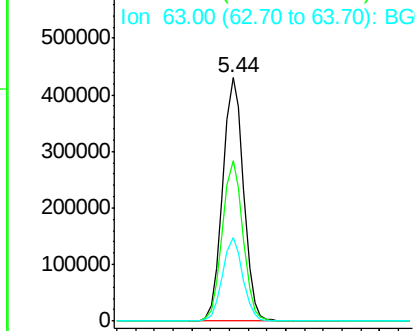
#5

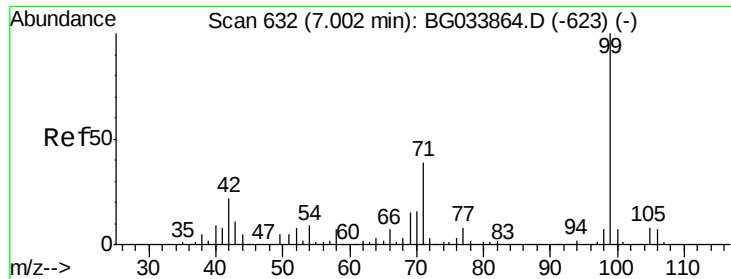
2-Fluorophenol
Concen: 127.638 ng
RT: 5.44 min Scan# 367
Delta R.T. -0.00 min
Lab File: BG033981.D
Acq: 25 Apr 2018 9:23

Tgt Ion:112 Resp: 666327
Ion Ratio Lower Upper
112 100
64 65.6 56.3 84.5
63 34.4 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: 103.578 ng

RT: 7.00 min Scan# 632

Delta R.T. -0.00 min

Lab File: BG033981.D

Acq: 25 Apr 2018 9:23

Instrument :

BNA_G

ClientSampleId :

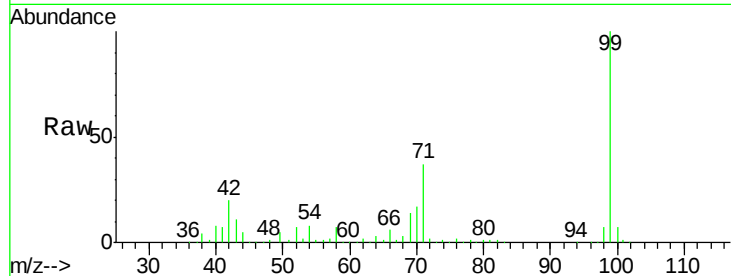
Tot Ion: 99 Resp: 788672

Ion Ratio Lower Upper

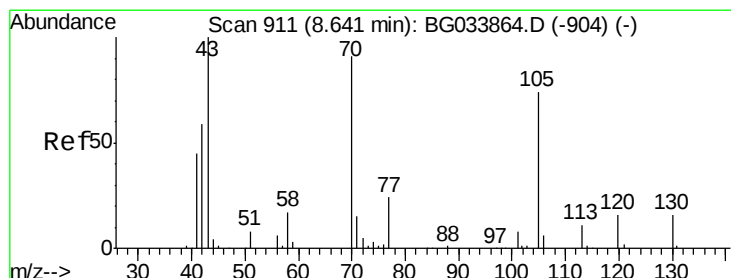
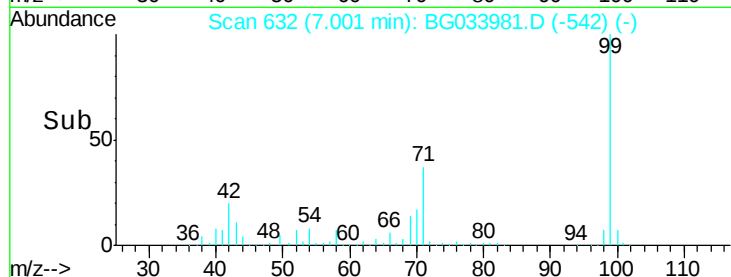
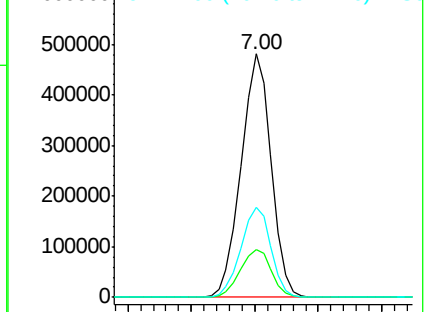
99 100

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: 13.511 ng

RT: 8.97 min Scan# 968

Delta R.T. 0.33 min

Lab File: BG033981.D

Acq: 25 Apr 2018 9:23

Tgt Ion: 70 Resp: 87696

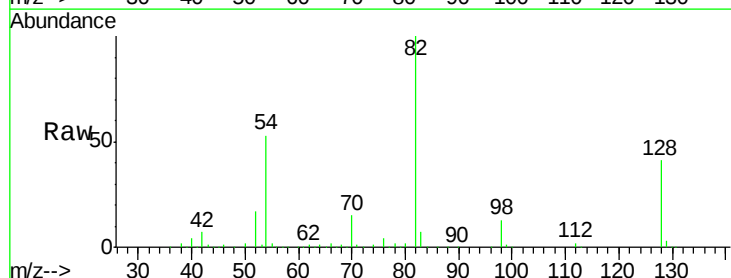
Ion Ratio Lower Upper

70 100

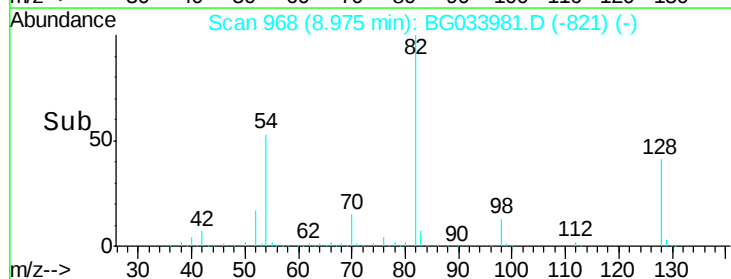
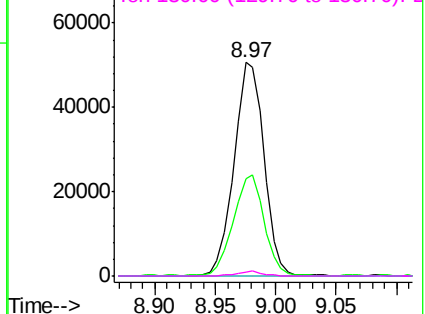
42 45.7 49.1 73.7#

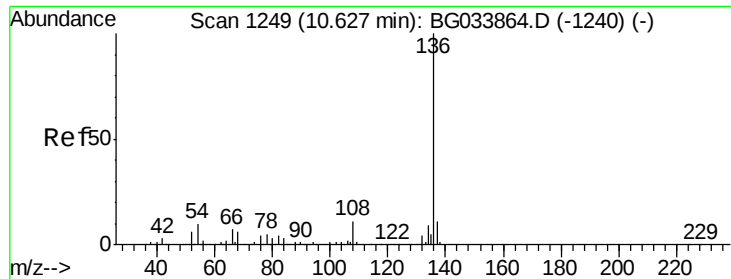
101 0.0 8.5 12.7#

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

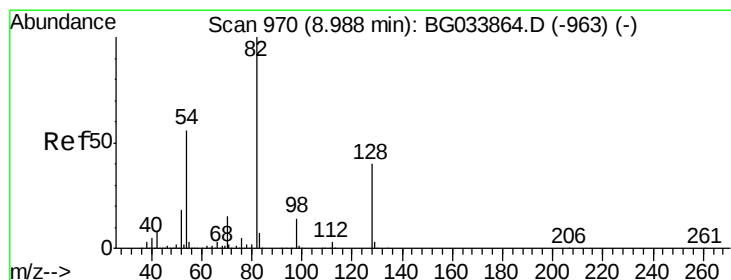
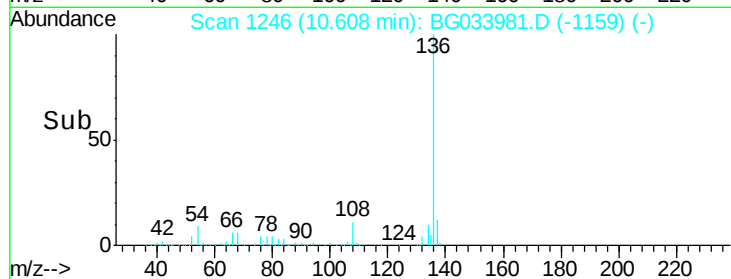
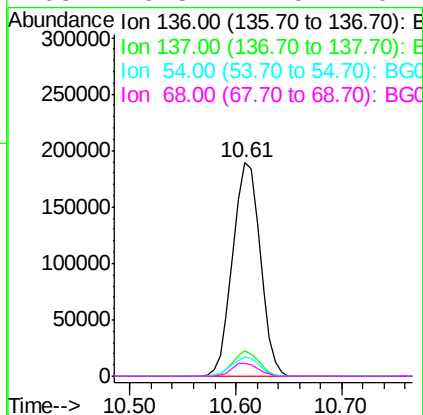
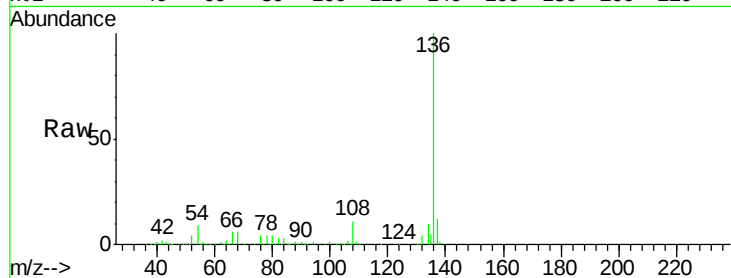




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.61 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BG033981.D
Acq: 25 Apr 2018 9:23

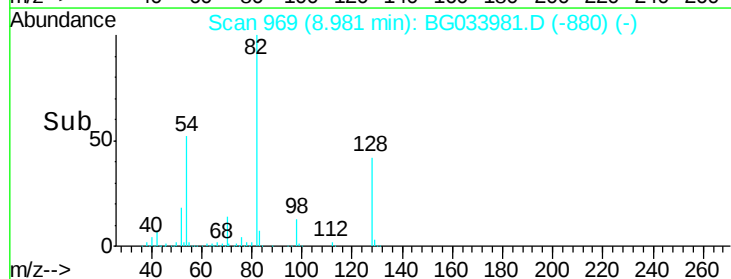
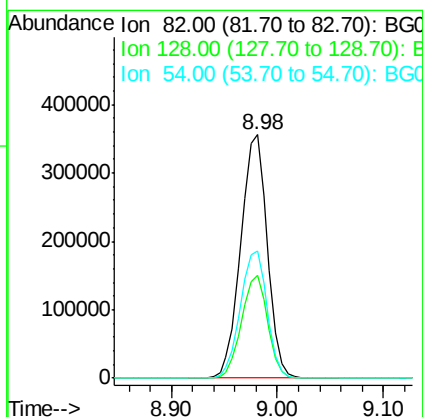
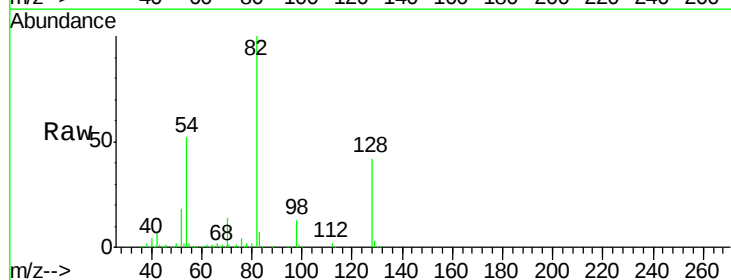
Instrument :
BNA_G
ClientSampled :

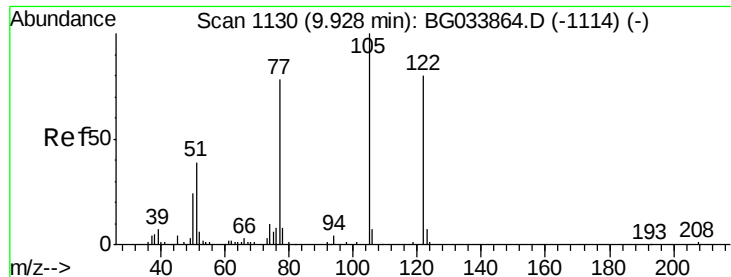
Tot Ion:136	Resp:	342163
Ion Ratio	Lower	Upper
136	100	
137	11.9	9.2 13.8
54	8.8	10.3 15.5
68	5.8	4.5 6.7



#23
Nitrobenzene-d5
Concen: 103.204 ng
RT: 8.98 min Scan# 969
Delta R.T. -0.01 min
Lab File: BG033981.D
Acq: 25 Apr 2018 9:23

Tgt Ion: 82	Resp:	620506
Ion Ratio	Lower	Upper
82	100	
128	42.3	29.7 44.5
54	52.1	43.1 64.7

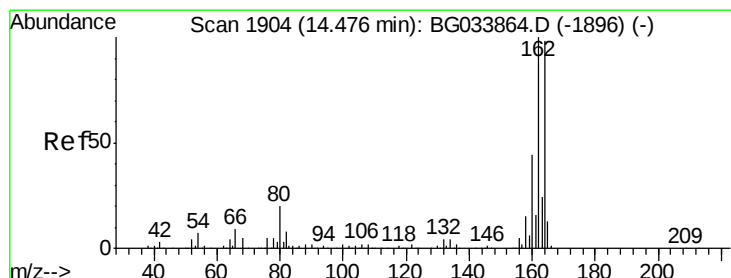
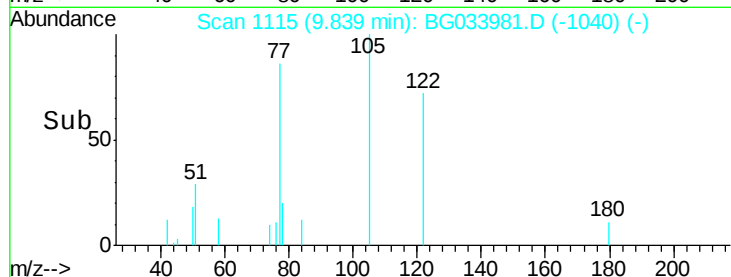
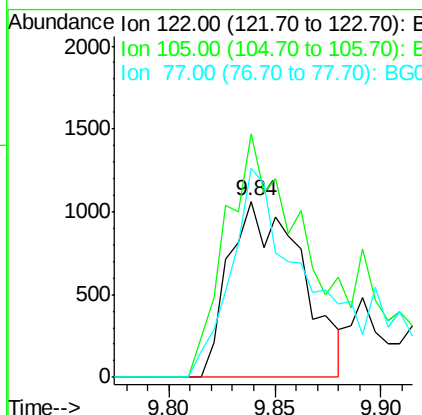
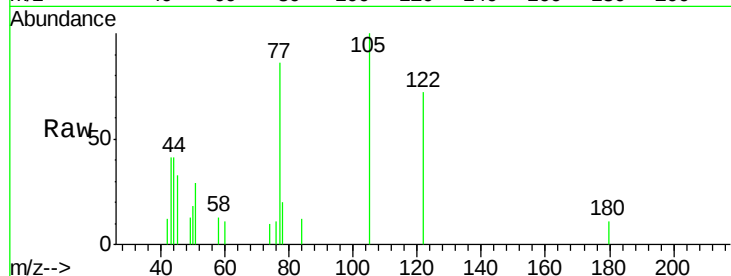




#32
Benzoic acid
Concen: 5.554 ng
RT: 9.84 min Scan# 1115
Delta R.T. -0.09 min
Lab File: BG033981.D
Acq: 25 Apr 2018 9:23

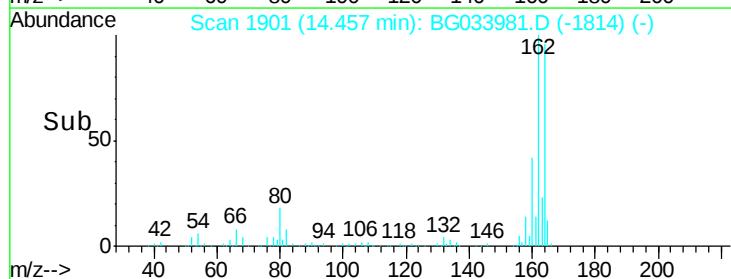
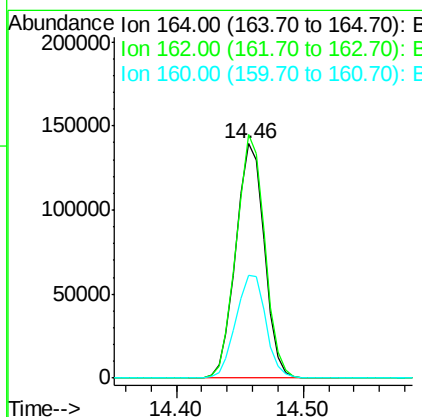
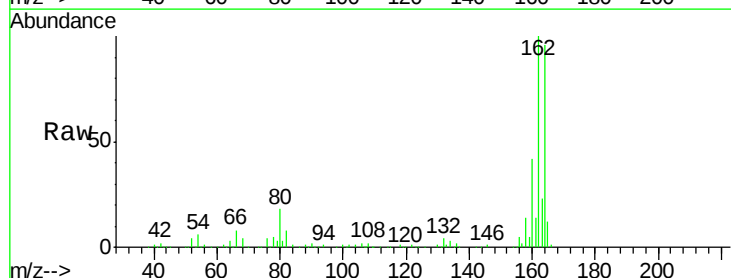
Instrument :
BNA_G
ClientSampleId :

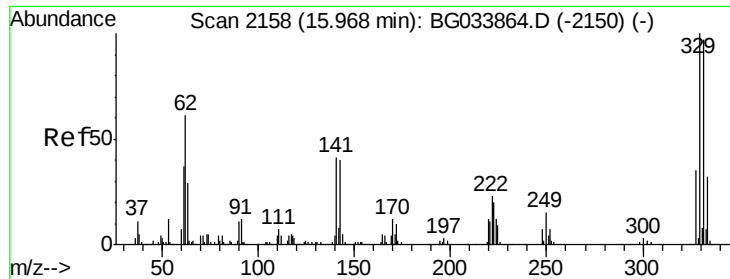
Tot Ion:122 Resp: 2537
Ion Ratio Lower Upper
122 100
105 138.2 123.5 163.5
77 119.0 85.7 125.7



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.46 min Scan# 1901
Delta R.T. -0.02 min
Lab File: BG033981.D
Acq: 25 Apr 2018 9:23

Tgt Ion:164 Resp: 216140
Ion Ratio Lower Upper
164 100
162 104.0 78.8 118.2
160 44.1 35.4 53.0

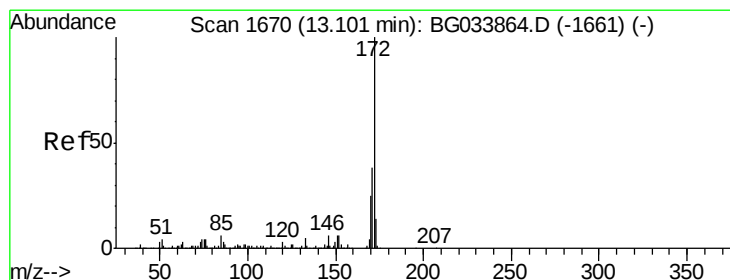
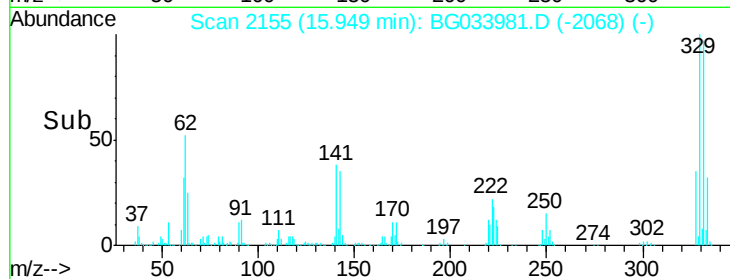
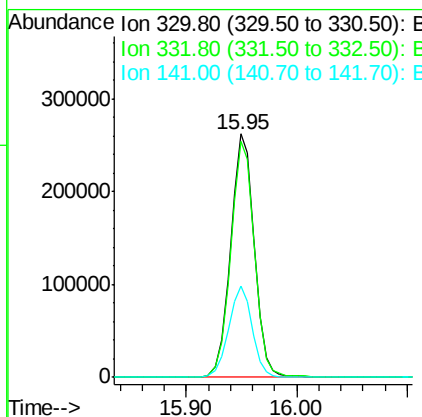
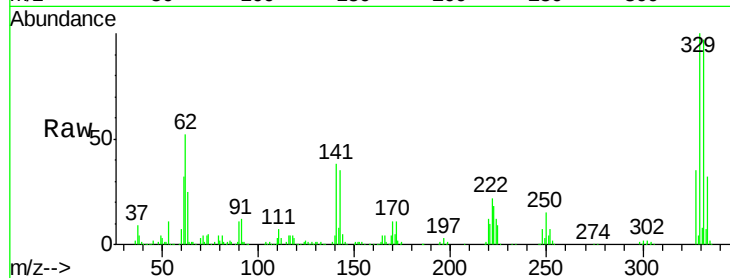




#41
 2,4,6-Tribromophenol
 Concen: 156.375 ng
 RT: 15.95 min Scan# 2155
 Delta R.T. -0.02 min
 Lab File: BG033981.D
 Acq: 25 Apr 2018 9:23

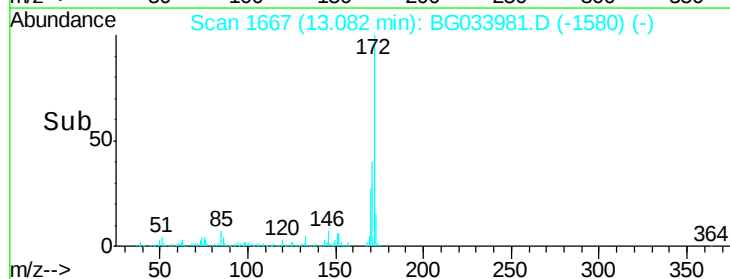
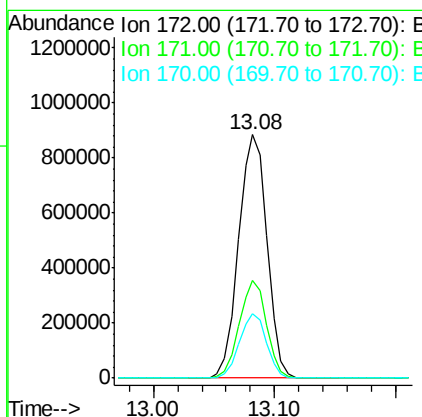
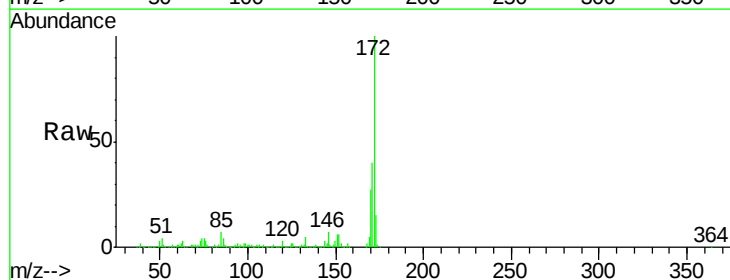
Instrument :
 BNA_G
 ClientSampleId :

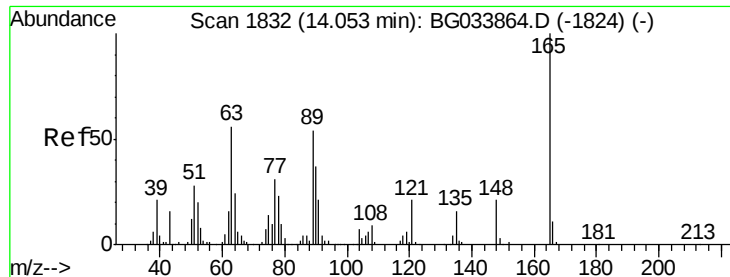
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.0	115.6
141	37.3	25.2	37.8



#44
 2-Fluorobiphenyl
 Concen: 98.297 ng
 RT: 13.08 min Scan# 1667
 Delta R.T. -0.02 min
 Lab File: BG033981.D
 Acq: 25 Apr 2018 9:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.9	30.0	45.0
170	26.6	19.5	29.3

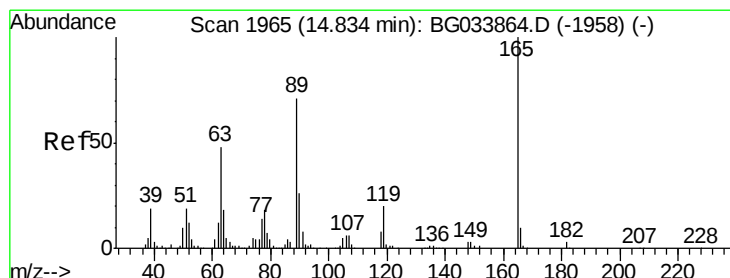
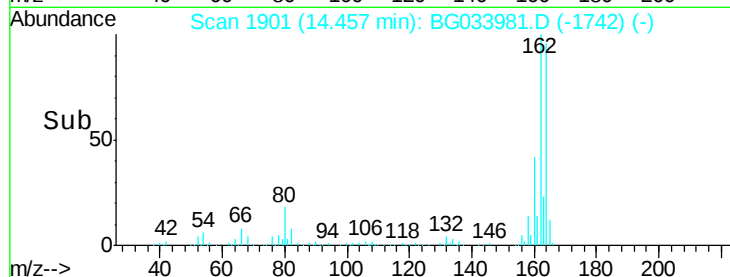
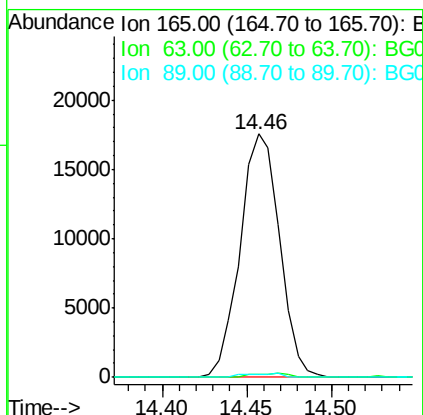
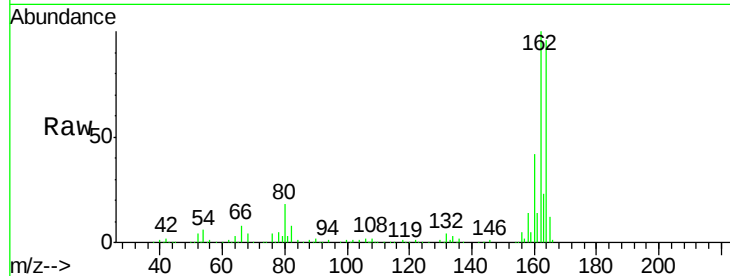




#50
2,6-Dinitrotoluene
Concen: 7.922 ng
RT: 14.46 min Scan# 1901
Delta R.T. 0.40 min
Lab File: BG033981.D
Acq: 25 Apr 2018 9:23

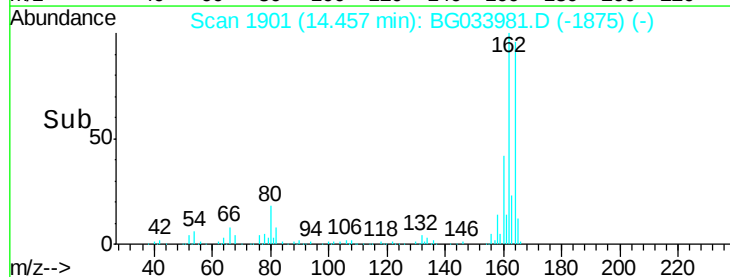
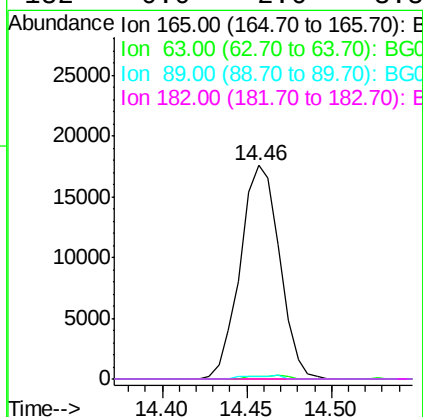
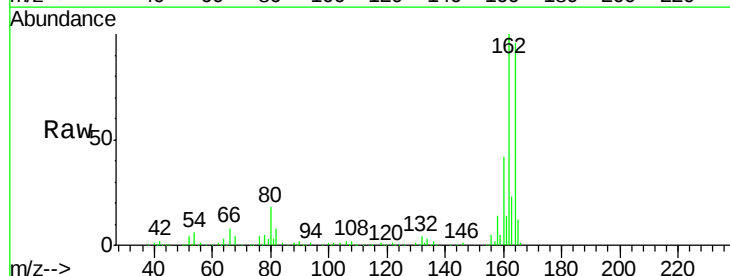
Instrument :
BNA_G
ClientSampleId :

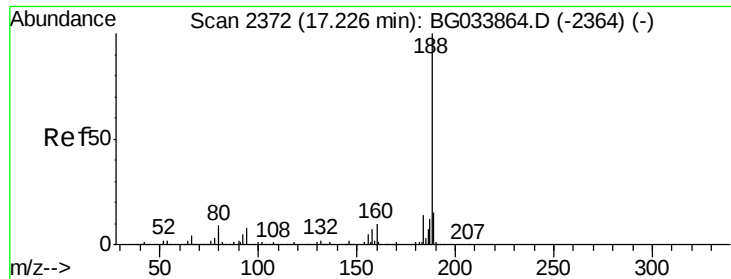
Tot Ion:165 Resp: 28543
Ion Ratio Lower Upper
165 100
63 1.3 52.7 79.1#
89 1.3 49.2 73.8#



#56
2,4-Dinitrotoluene
Concen: 5.957 ng
RT: 14.46 min Scan# 1901
Delta R.T. -0.38 min
Lab File: BG033981.D
Acq: 25 Apr 2018 9:23

Tgt Ion:165 Resp: 28543
Ion Ratio Lower Upper
165 100
63 1.3 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: BG033981.D

Acq: 25 Apr 2018 9:23

Instrument :

BNA_G

ClientSampleId :

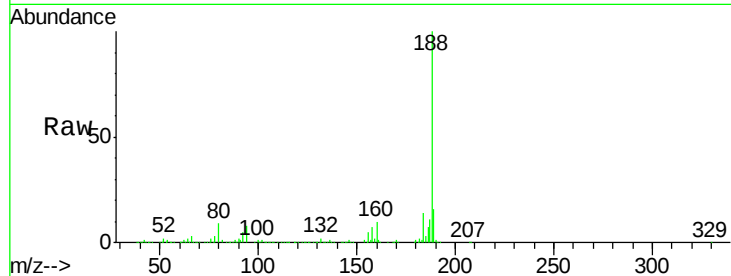
Tot Ion:188 Resp: 536366

Ion Ratio Lower Upper

188 100

94 8.4 6.9 10.3

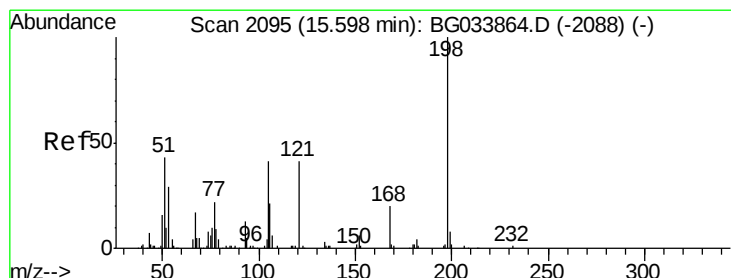
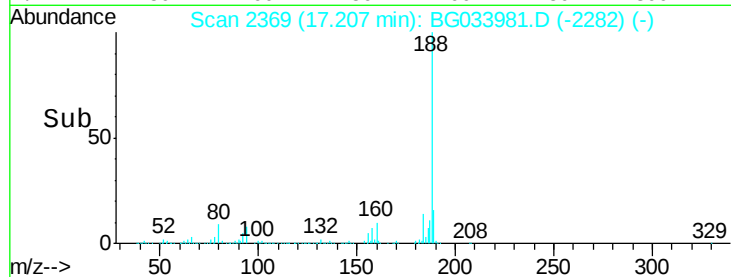
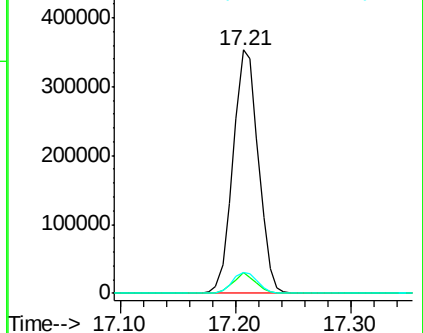
80 8.7 7.7 11.5



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: 6.855 ng

RT: 15.97 min Scan# 2158

Delta R.T. 0.37 min

Lab File: BG033981.D

Acq: 25 Apr 2018 9:23

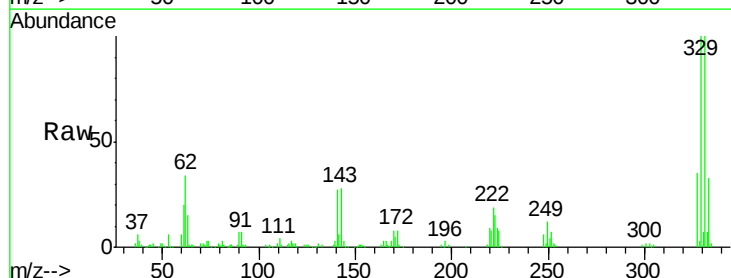
Tgt Ion:198 Resp: 1092

Ion Ratio Lower Upper

198 100

51 23.3 30.6 70.6#

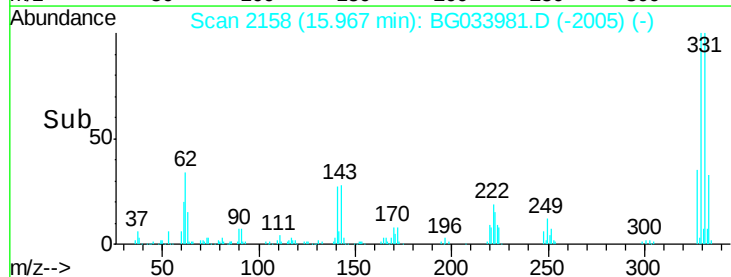
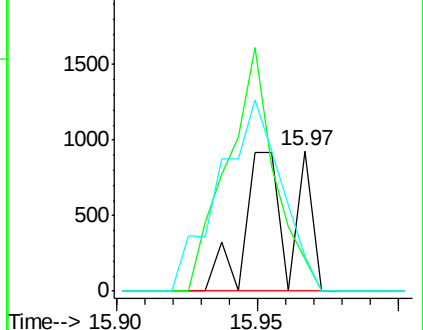
105 79.2 23.8 63.8#

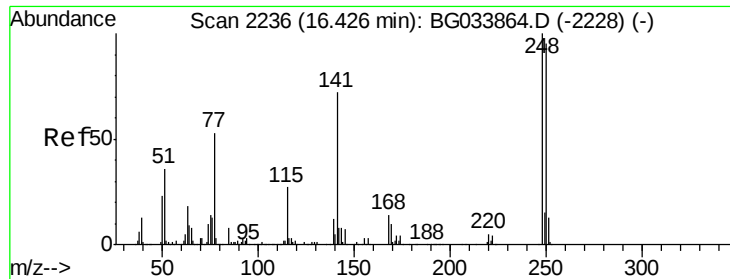


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

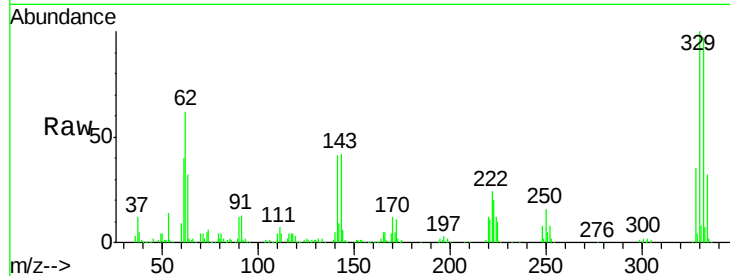




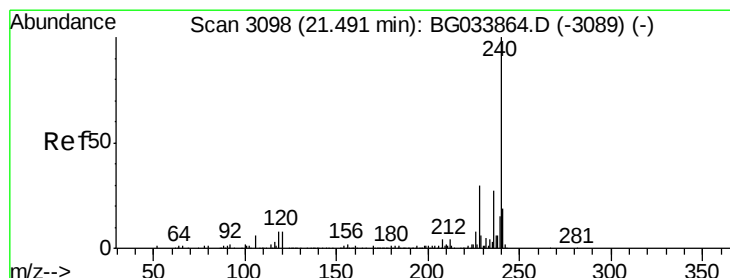
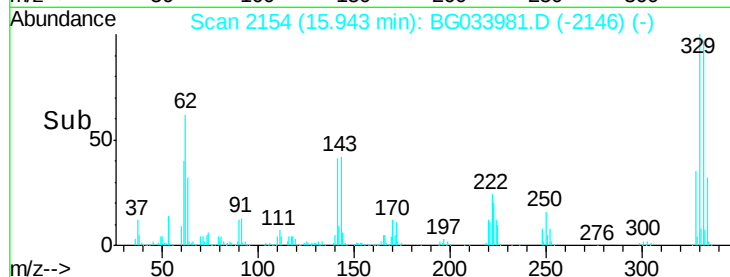
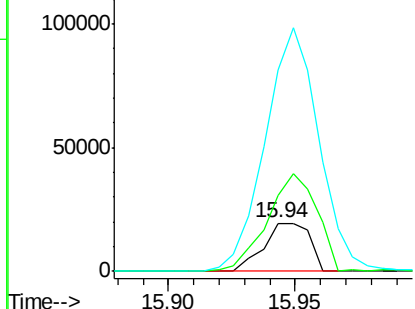
#66
 4-Bromophenyl-phenylether
 Concen: 4.215 ng
 RT: 15.94 min Scan# 2154
 Delta R.T. -0.48 min
 Lab File: BG033981.D
 Acq: 25 Apr 2018 9:23

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 24826
 Ion Ratio Lower Upper
 248 100
 250 205.0 77.1 115.7#
 141 419.8 50.8 76.2#

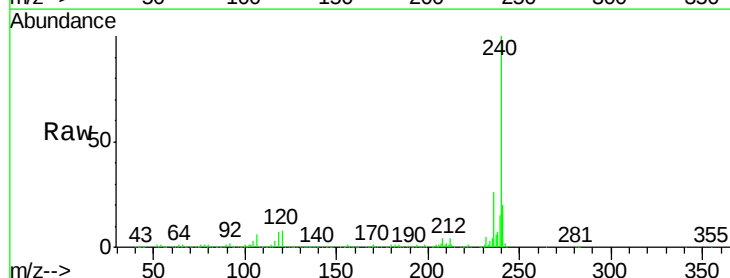


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

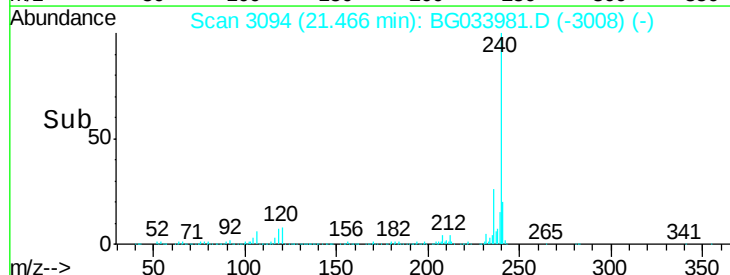
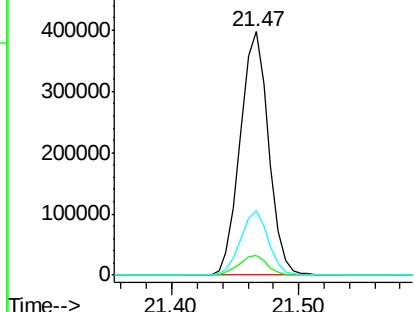


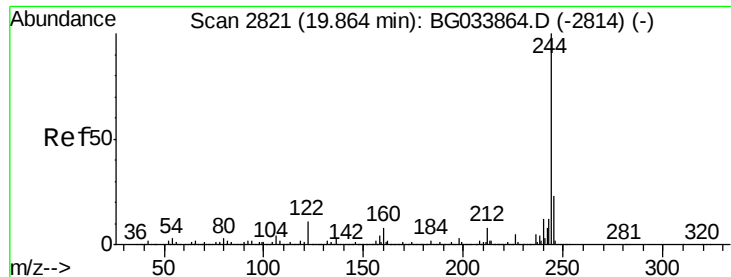
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.47 min Scan# 3094
 Delta R.T. -0.02 min
 Lab File: BG033981.D
 Acq: 25 Apr 2018 9:23

Tgt Ion:240 Resp: 615482
 Ion Ratio Lower Upper
 240 100
 120 8.0 6.8 10.2
 236 26.3 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: 89.422 ng

RT: 19.84 min Scan# 2818

Delta R.T. -0.02 min

Lab File: BG033981.D

Acq: 25 Apr 2018 9:23

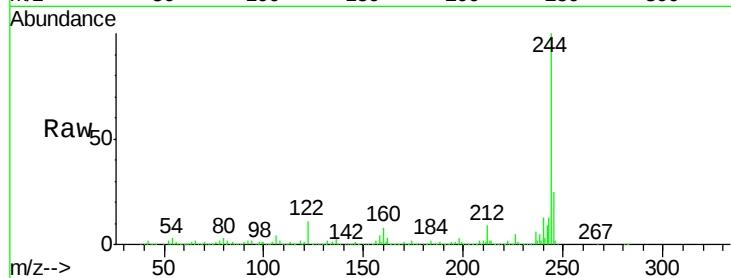
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 2449809

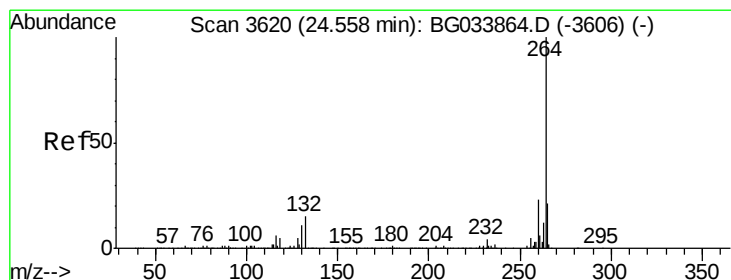
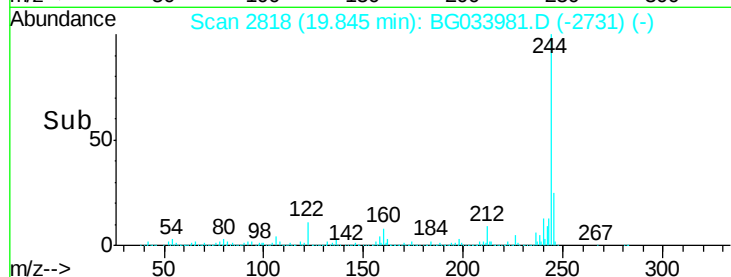
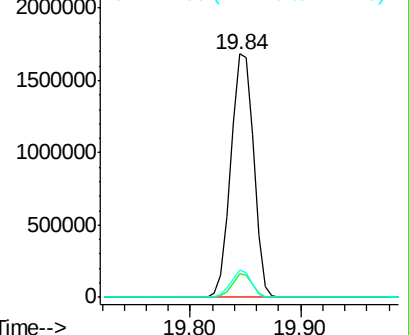
Ion	Ratio	Lower	Upper
244	100		
212	9.5	5.8	8.8#
122	11.1	7.0	10.4#



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: 24.53 min Scan# 3615

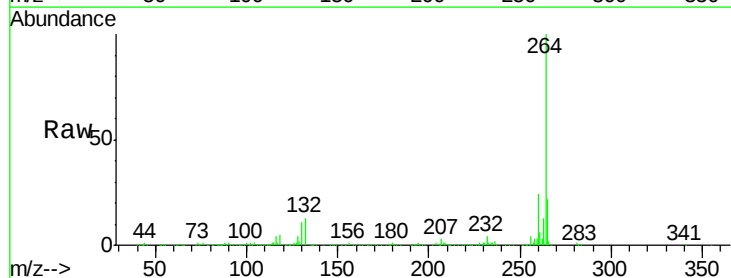
Delta R.T. -0.03 min

Lab File: BG033981.D

Acq: 25 Apr 2018 9:23

Tgt Ion:264 Resp: 610837

Ion	Ratio	Lower	Upper
264	100		
260	24.0	17.4	26.0
265	22.4	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

