

Data Path : U:\HPCHEM1\BNA G\DATA\BG011618\
 Data File : BG032075.D
 Acq On : 16 Jan 2018 18:38
 Operator : SJ/JU
 Sample : PB105704BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 17 00:53:46 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 15 10:05:15 2018
 Response via : Initial Calibration

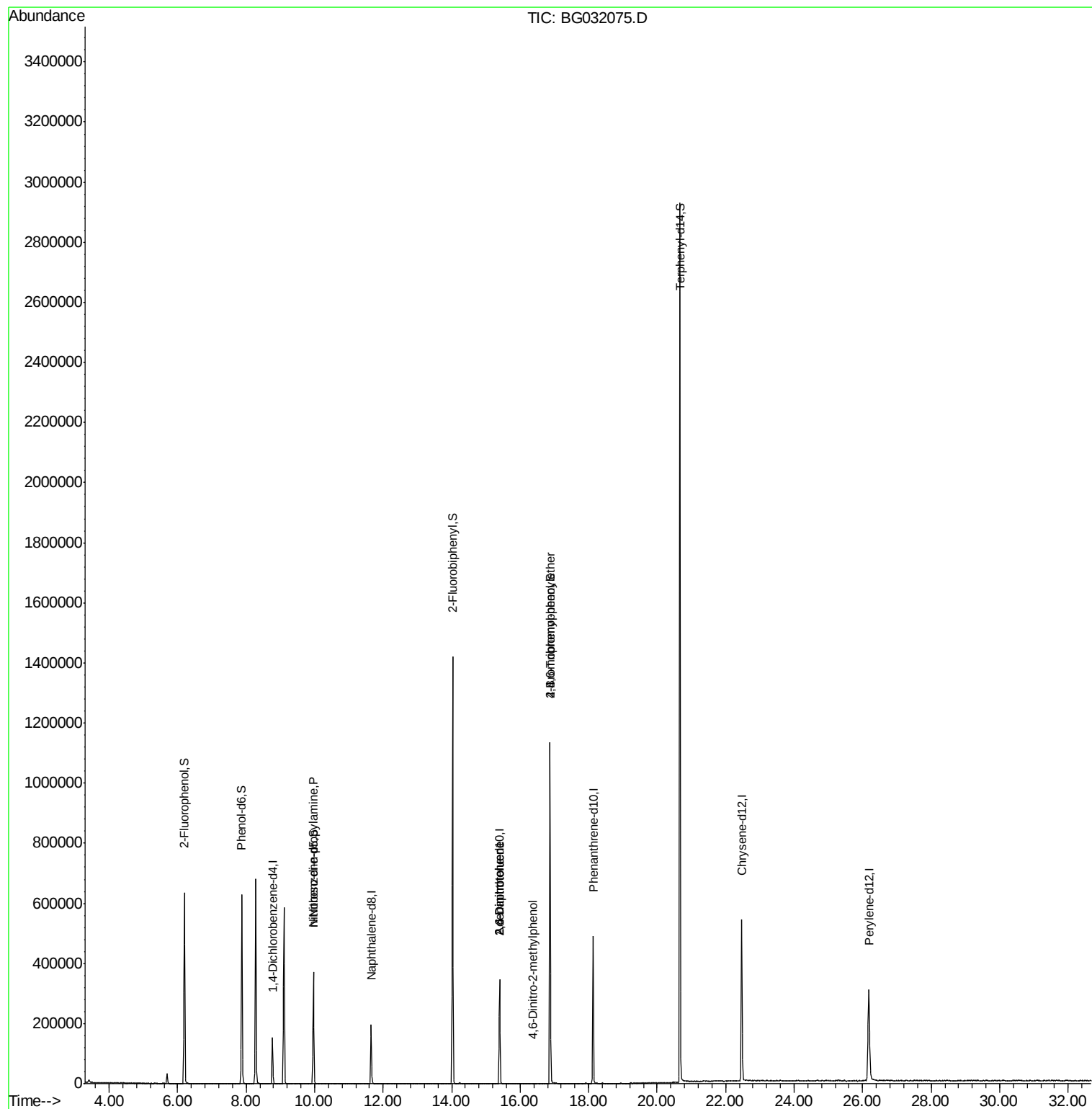
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.77	152	51957	20.00	ng	0.00
21) Naphthalene-d8	11.65	136	197405	20.00	ng	0.00
38) Acenaphthene-d10	15.40	164	131786	20.00	ng	0.00
63) Phenanthrene-d10	18.13	188	344688	20.00	ng	0.00
75) Chrysene-d12	22.47	240	427737	20.00	ng	-0.01
86) Perylene-d12	26.18	264	434943	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	6.20	112	339516	119.51	ng	0.00
7) Phenol-d6	7.87	99	406359	113.58	ng	0.00
23) Nitrobenzene-d5	9.96	82	237816	81.50	ng	0.00
41) 2,4,6-Tribromophenol	16.87	330	258651	118.61	ng	0.00
44) 2-Fluorobiphenyl	14.02	172	837189	78.77	ng	0.00
78) Terphenyl-d14	20.66	244	1597371	82.46	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.96	70	30907	13.923	ng	# 73
50) 2,6-Dinitrotoluene	15.40	165	17186	7.180	ng	# 18
56) 2,4-Dinitrotoluene	15.40	165	17186	5.333	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.35	198	57	4.908	ng	# 29
66) 4-Bromophenyl-phenylether	16.87	248	21672	4.419	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: 8.77 min Scan# 932

Delta R.T. -0.01 min

Lab File: BG032075.D

Acq: 16 Jan 2018 18:38

Instrument :

BNA_G

ClientSampleId :

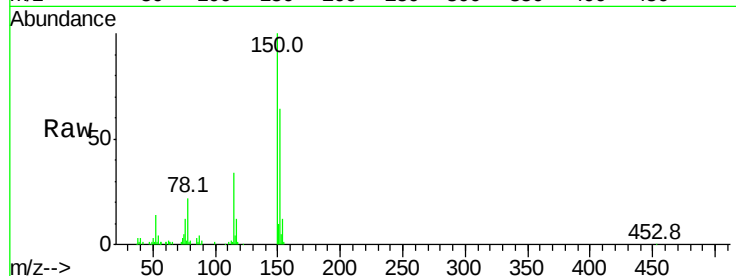
Tot Ion:152 Resp: 51957

Ion Ratio Lower Upper

152 100

150 155.1 126.6 189.8

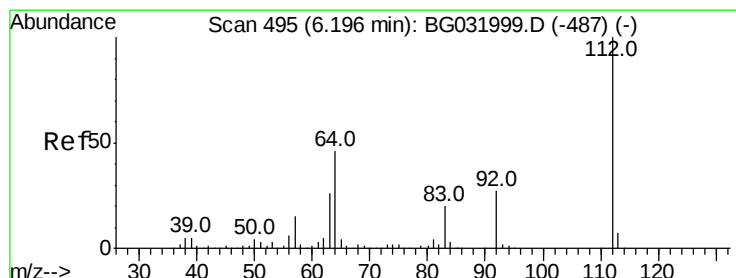
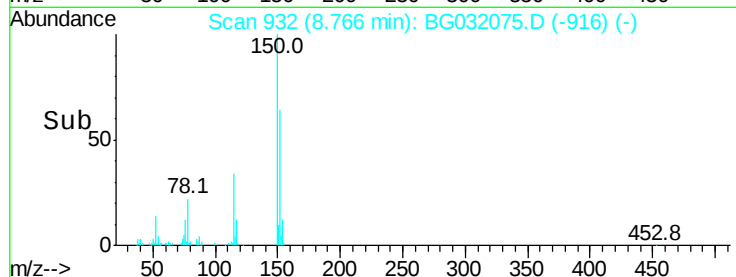
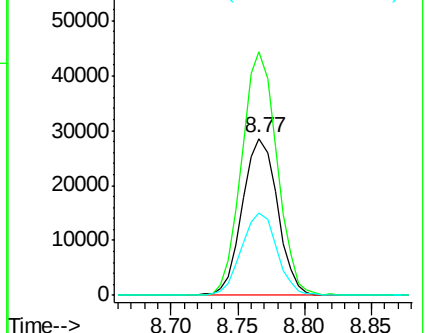
115 52.4 53.0 79.4#



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: 119.513 ng

RT: 6.20 min Scan# 495

Delta R.T. 0.00 min

Lab File: BG032075.D

Acq: 16 Jan 2018 18:38

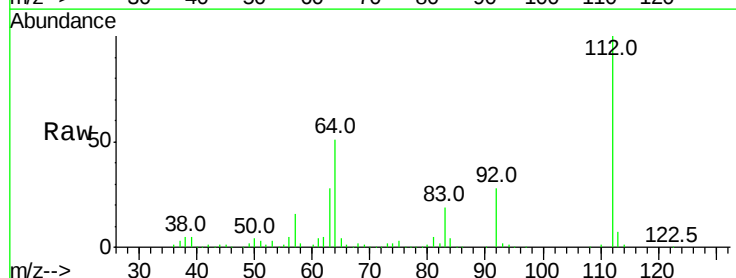
Tgt Ion:112 Resp: 339516

Ion Ratio Lower Upper

112 100

64 50.8 56.3 84.5#

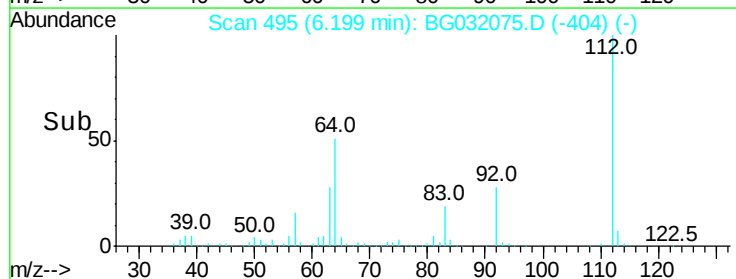
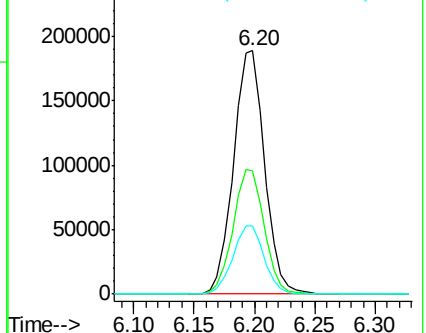
63 28.2 30.1 45.1#



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: 113.576 ng

RT: 7.87 min Scan# 780

Delta R.T. -0.00 min

Lab File: BG032075.D

Acq: 16 Jan 2018 18:38

Instrument :

BNA_G

ClientSampled :

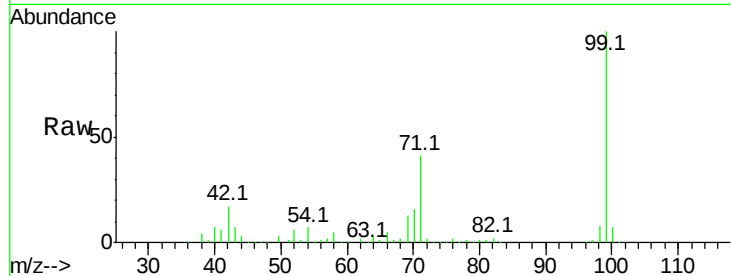
Tot Ion: 99 Resp: 406359

Ion Ratio Lower Upper

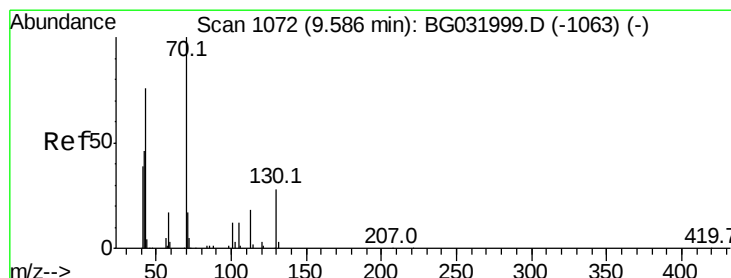
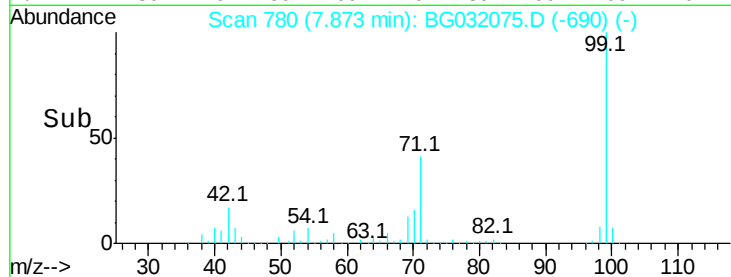
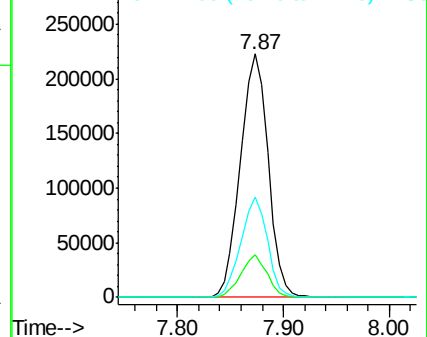
99 100

42 17.5 14.1 21.1

71 41.0 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: 13.923 ng

RT: 9.96 min Scan# 1136

Delta R.T. 0.38 min

Lab File: BG032075.D

Acq: 16 Jan 2018 18:38

Tgt Ion: 70 Resp: 30907

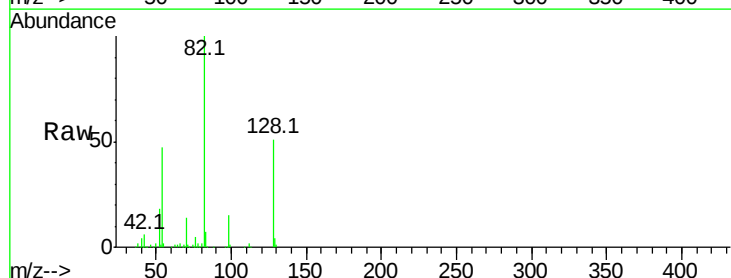
Ion Ratio Lower Upper

70 100

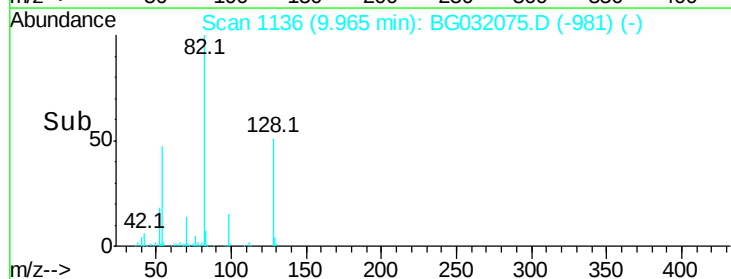
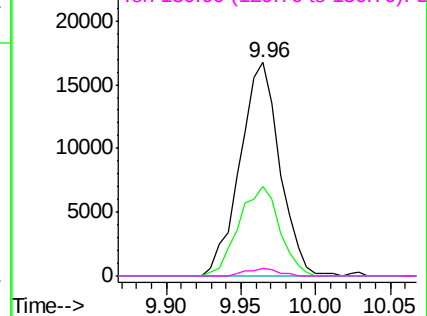
42 42.0 49.1 73.7#

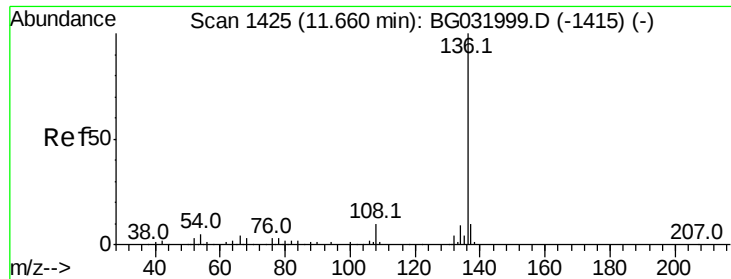
101 0.0 8.5 12.7#

130 3.9 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

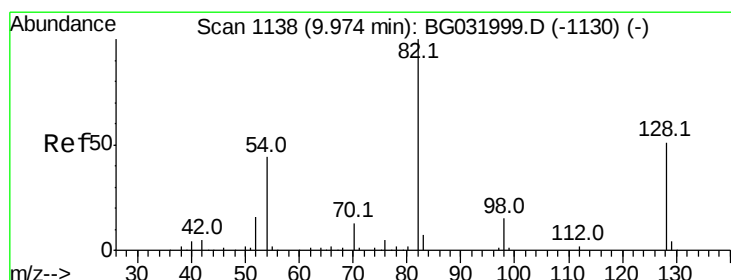
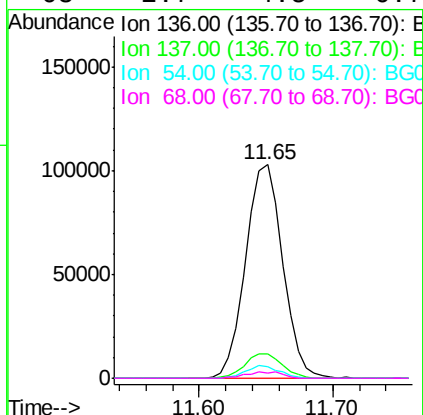
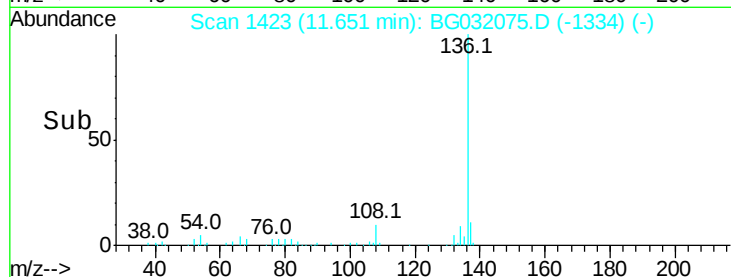
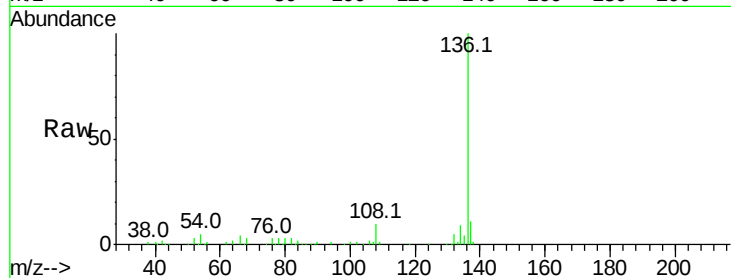




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.65 min Scan# 1423
Delta R.T. -0.01 min
Lab File: BG032075.D
Acq: 16 Jan 2018 18:38

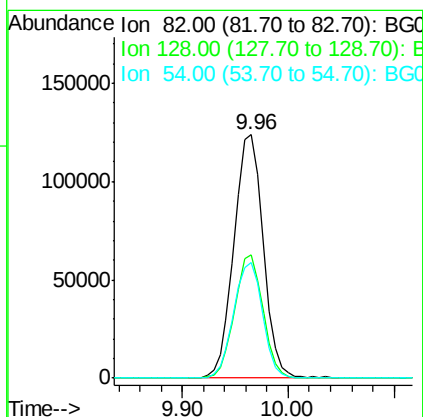
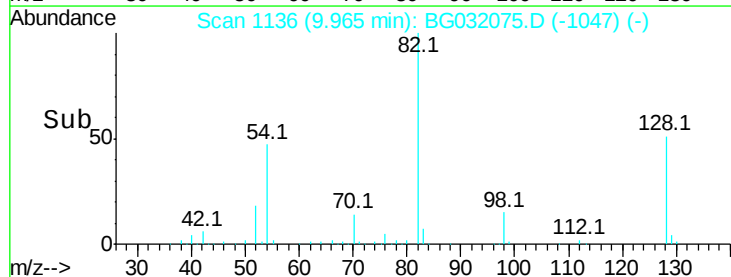
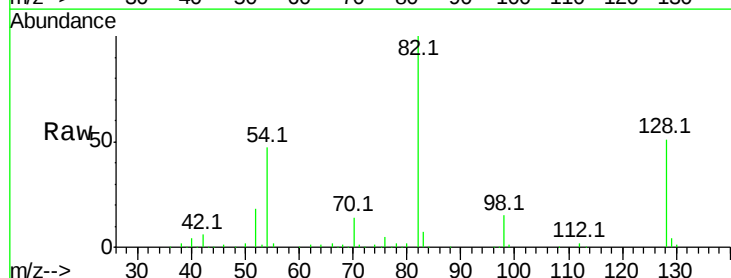
Instrument :
BNA_G
ClientSampleId :

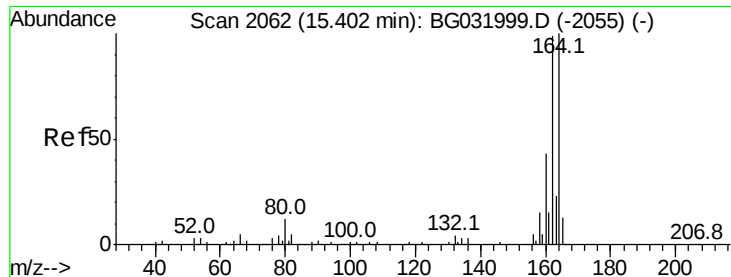
Tot Ion:	136	Resp:	197405
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	5.2	10.3	15.5#
68	2.7	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 81.504 ng
RT: 9.96 min Scan# 1136
Delta R.T. -0.01 min
Lab File: BG032075.D
Acq: 16 Jan 2018 18:38

Tgt Ion:	82	Resp:	237816
Ion	Ratio	Lower	Upper
82	100		
128	50.9	29.7	44.5#
54	47.4	43.1	64.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.40 min Scan# 2061

Delta R.T. -0.00 min

Lab File: BG032075.D

Acq: 16 Jan 2018 18:38

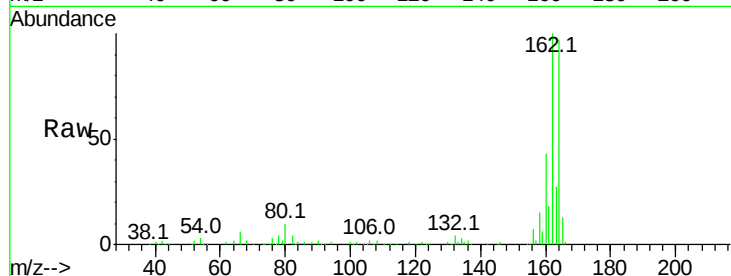
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 131786

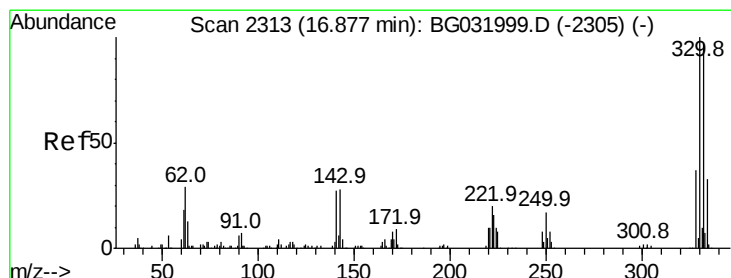
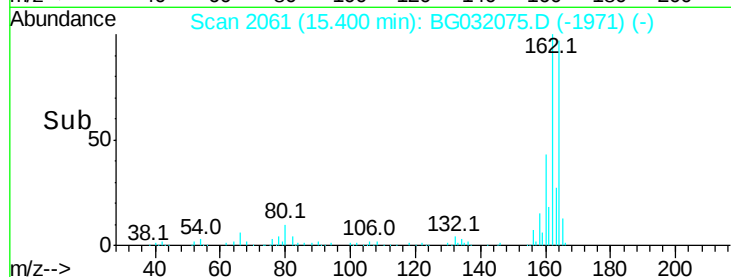
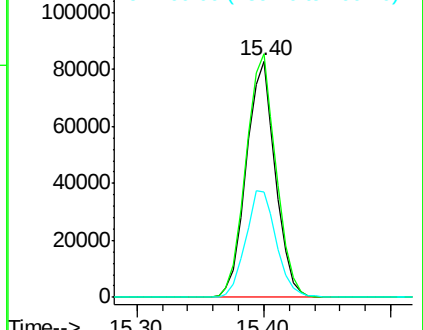
Ion	Ratio	Lower	Upper
164	100		
162	103.0	78.8	118.2
160	44.7	35.4	53.0



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: 118.606 ng

RT: 16.87 min Scan# 2312

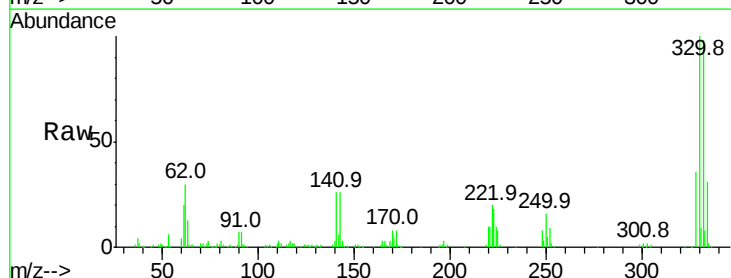
Delta R.T. -0.00 min

Lab File: BG032075.D

Acq: 16 Jan 2018 18:38

Tgt Ion:330 Resp: 258651

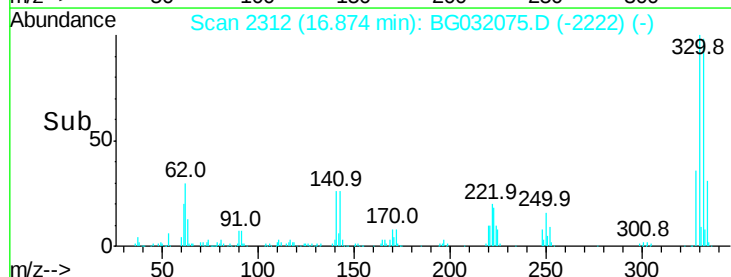
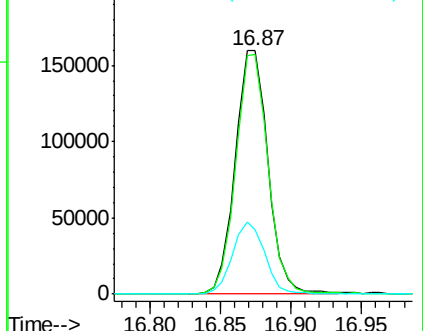
Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.0	115.6
141	29.3	25.2	37.8

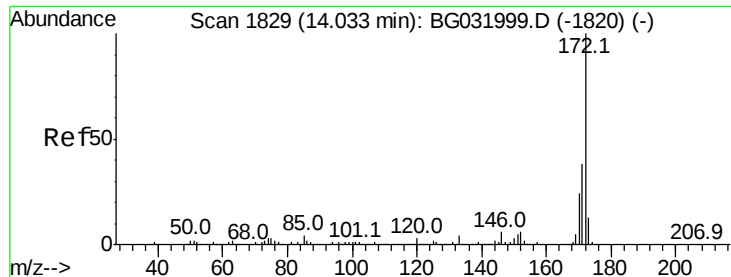


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

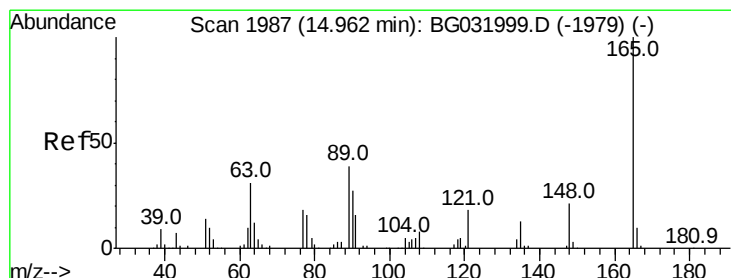
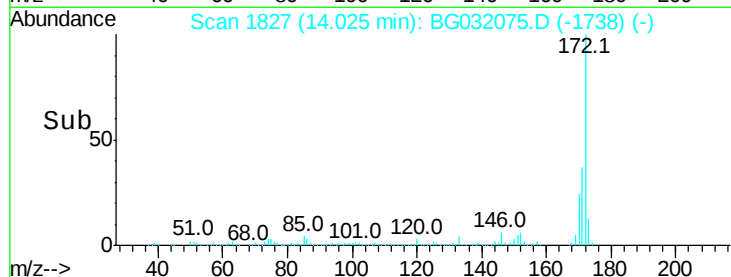
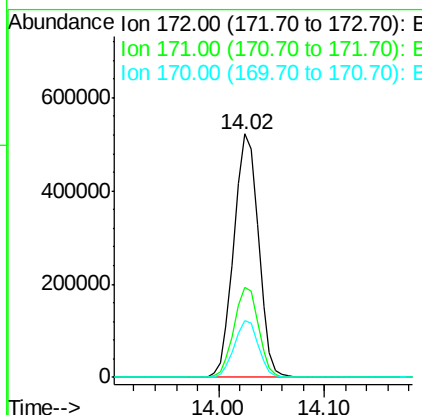
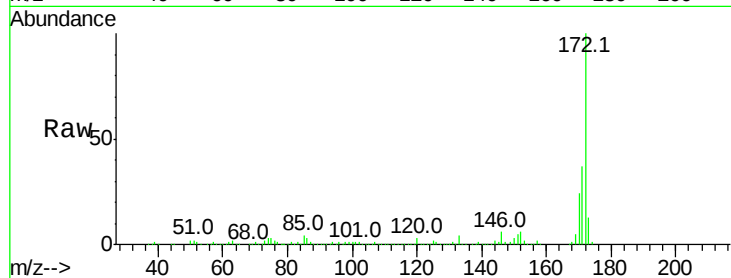




#44
2-Fluorobiphenyl
Concen: 78.770 ng
RT: 14.02 min Scan# 1827
Delta R.T. -0.01 min
Lab File: BG032075.D
Acq: 16 Jan 2018 18:38

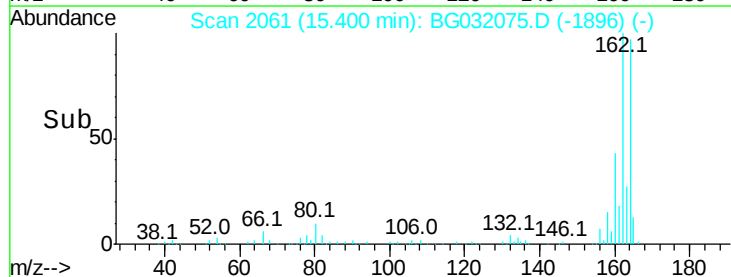
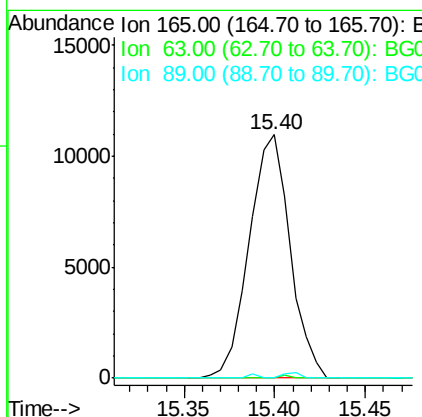
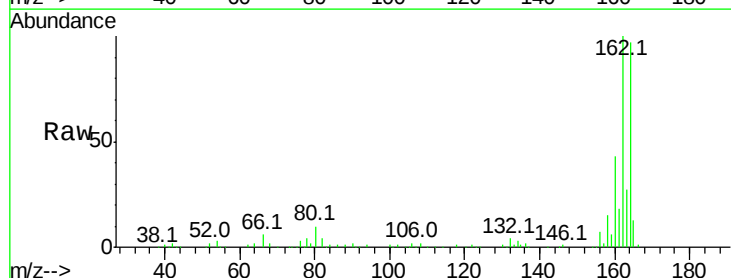
Instrument :
BNA_G
ClientSampleId :

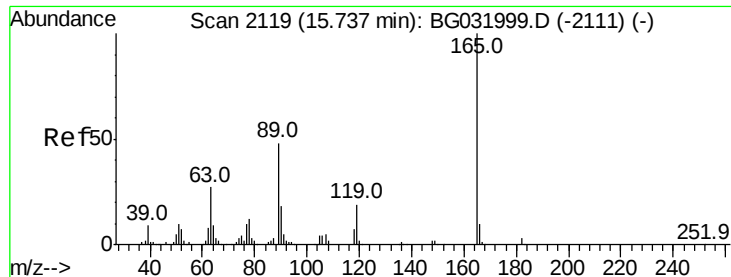
Tot Ion:172 Resp: 837189
Ion Ratio Lower Upper
172 100
171 36.9 30.0 45.0
170 23.5 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.180 ng
RT: 15.40 min Scan# 2061
Delta R.T. 0.44 min
Lab File: BG032075.D
Acq: 16 Jan 2018 18:38

Tgt Ion:165 Resp: 17186
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#

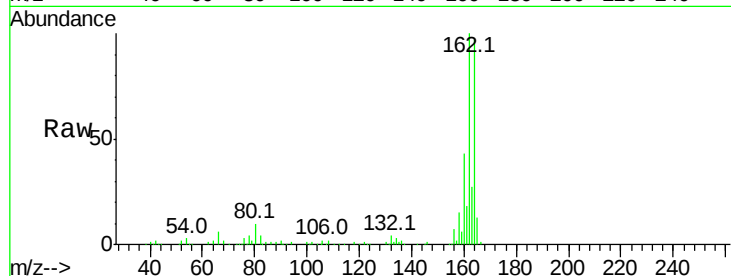




#56
 2,4-Dinitrotoluene
 Concen: 5.333 ng
 RT: 15.40 min Scan# 2061
 Delta R.T. -0.34 min
 Lab File: BG032075.D
 Acq: 16 Jan 2018 18:38

Instrument :
 BNA_G
 ClientSampleId :

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

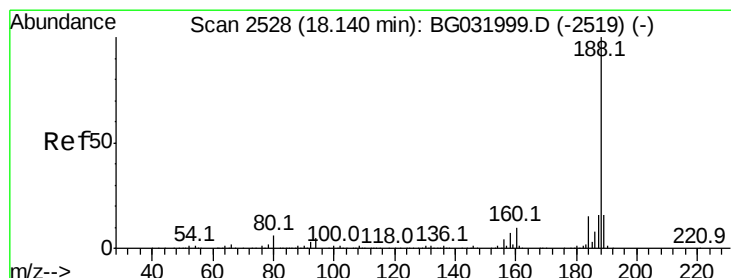
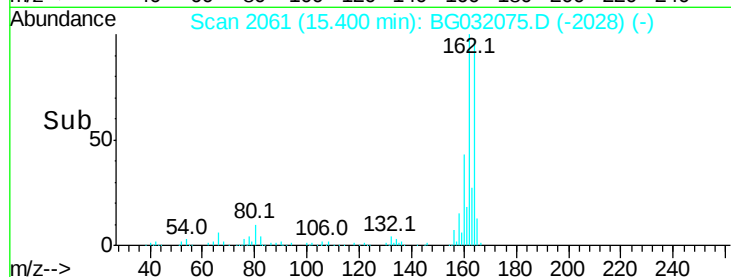
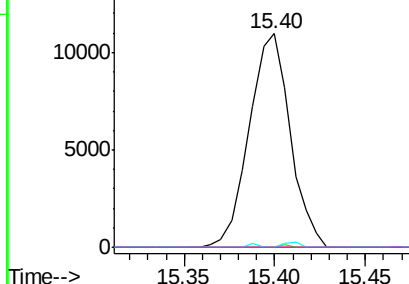


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

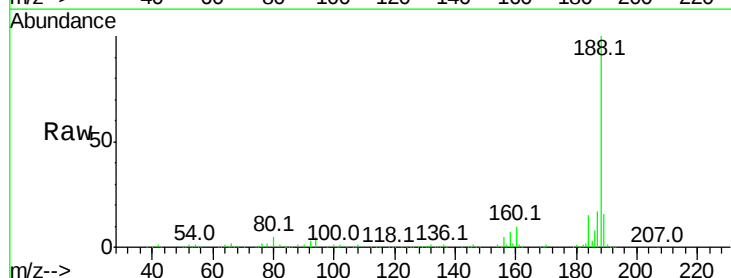
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.13 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BG032075.D
 Acq: 16 Jan 2018 18:38

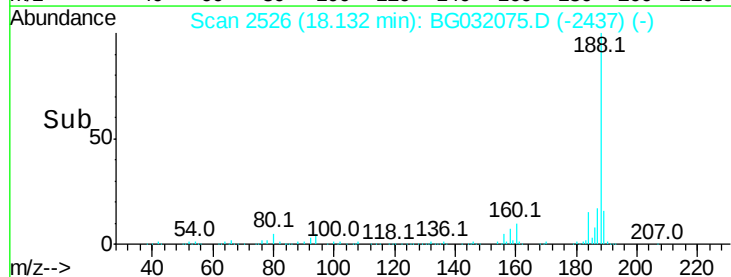
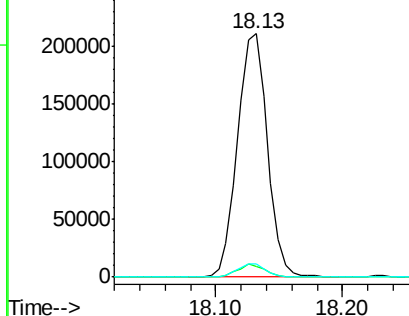
Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.6	6.9	10.3#
80	5.2	7.7	11.5#

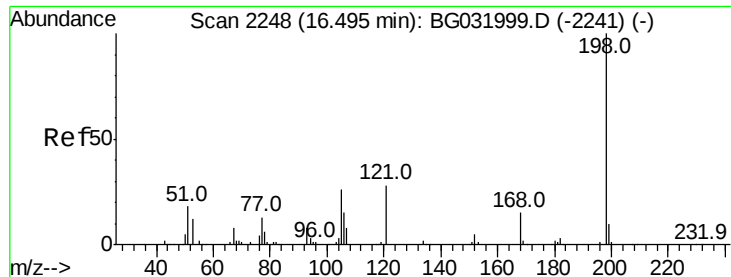


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

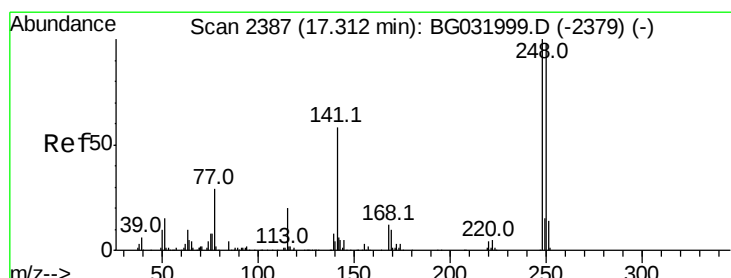
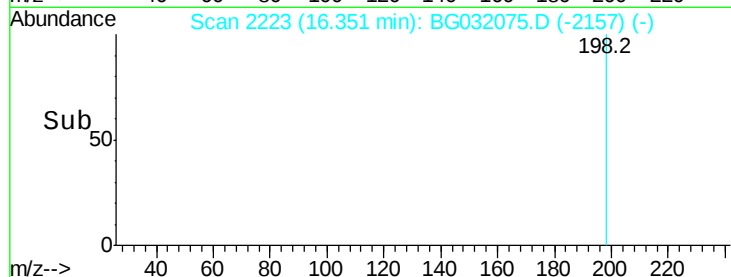
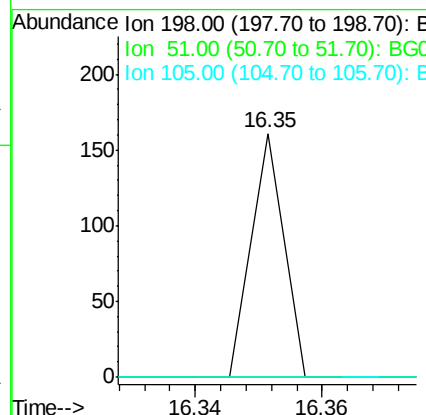
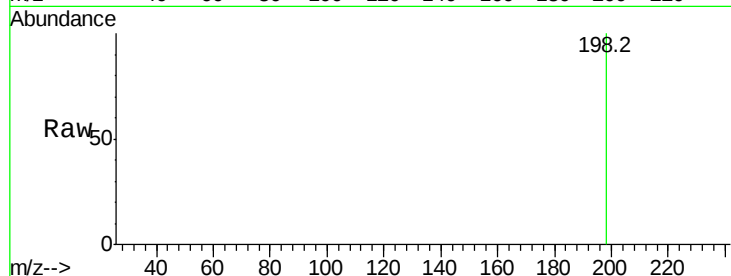




#64
4,6-Dinitro-2-methylphenol
Concen: 4.908 ng
RT: 16.35 min Scan# 2223
Delta R.T. -0.14 min
Lab File: BG032075.D
Acq: 16 Jan 2018 18:38

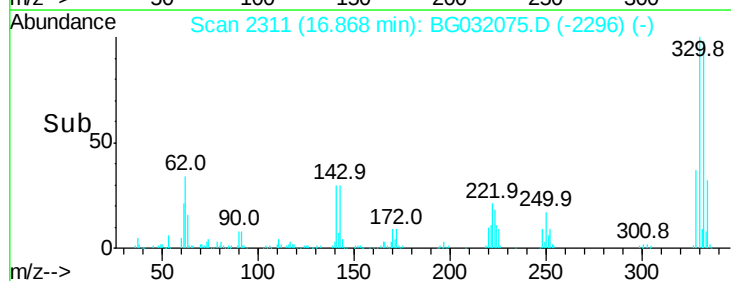
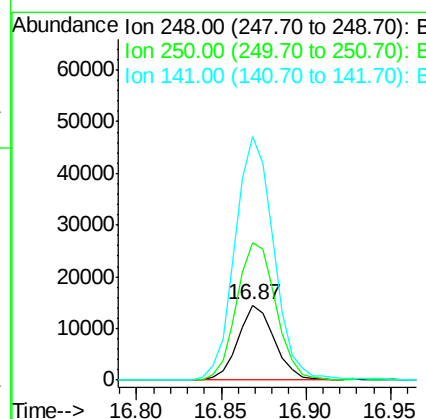
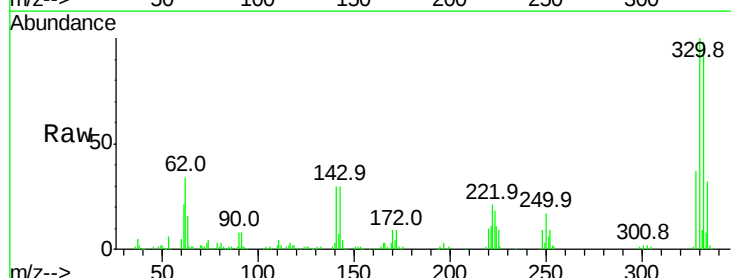
Instrument :
BNA_G
ClientSampleId :

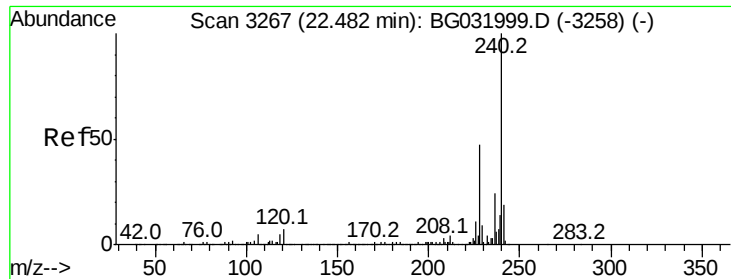
Tot Ion:198 Resp: 57
Ion Ratio Lower Upper
198 100
51 0.0 30.6 70.6#
105 0.0 23.8 63.8#



#66
4-Bromophenyl-phenylether
Concen: 4.419 ng
RT: 16.87 min Scan# 2311
Delta R.T. -0.44 min
Lab File: BG032075.D
Acq: 16 Jan 2018 18:38

Tgt Ion:248 Resp: 21672
Ion Ratio Lower Upper
248 100
250 183.4 77.1 115.7#
141 324.4 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.47 min Scan# 3264

Delta R.T. -0.01 min

Lab File: BG032075.D

Acq: 16 Jan 2018 18:38

Instrument :

BNA_G

ClientSampled :

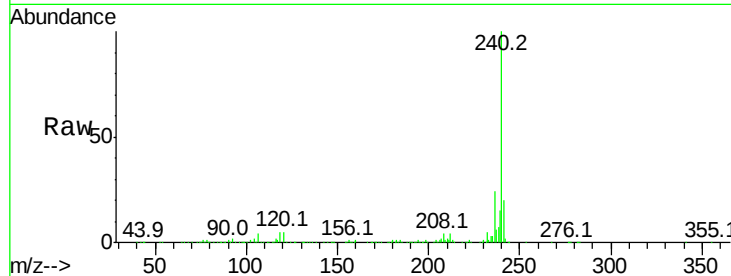
Tot Ion:240 Resp: 427737

Ion Ratio Lower Upper

240 100

120 4.9 6.8 10.2#

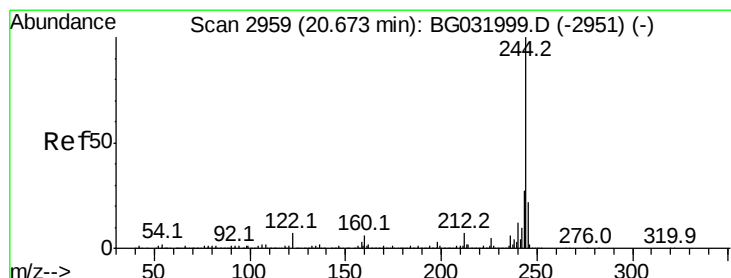
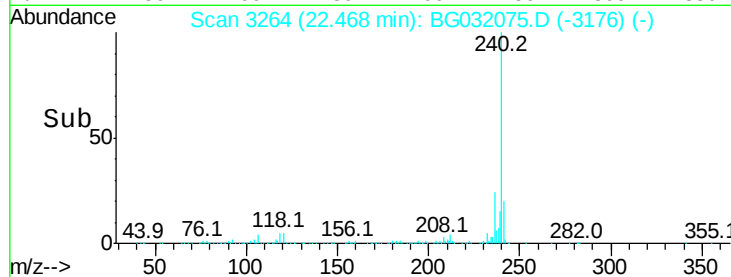
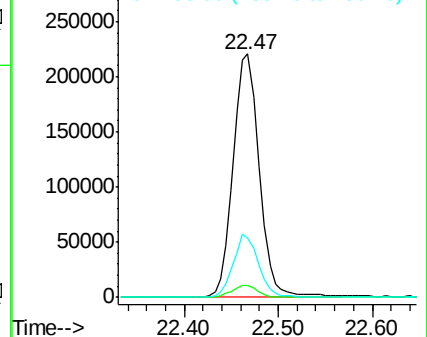
236 24.3 20.9 31.3



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: 82.459 ng

RT: 20.66 min Scan# 2957

Delta R.T. -0.01 min

Lab File: BG032075.D

Acq: 16 Jan 2018 18:38

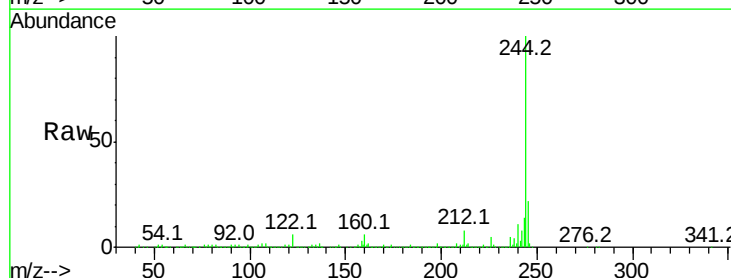
Tgt Ion:244 Resp: 1597371

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.8

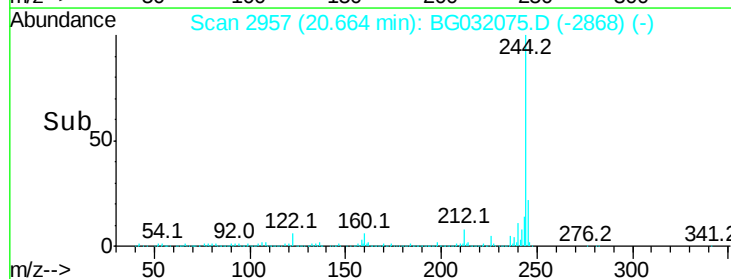
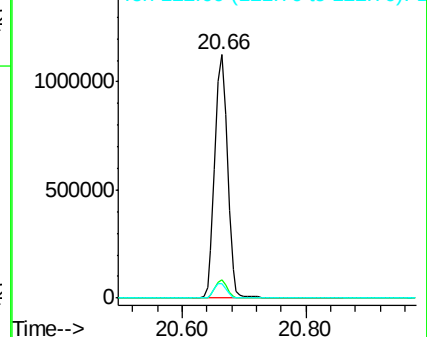
122 6.1 7.0 10.4#

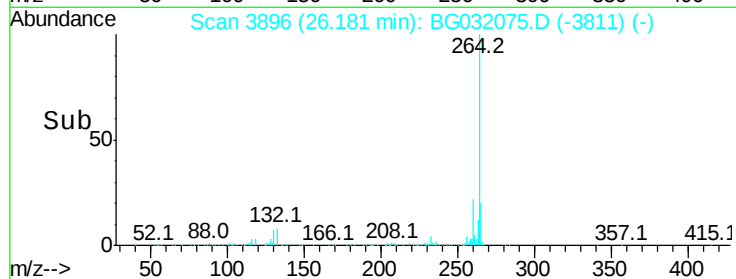
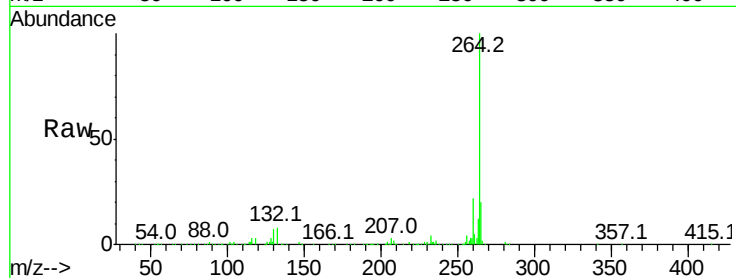
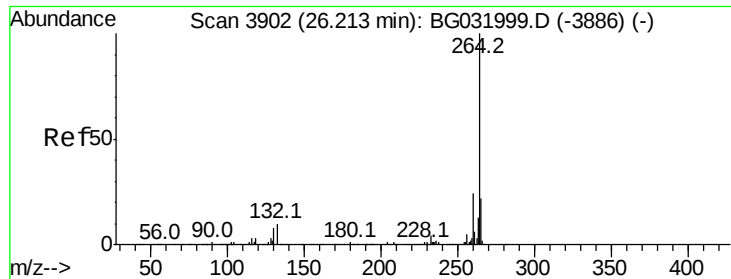


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.18 min Scan# 3896
 Delta R.T. -0.03 min
 Lab File: BG032075.D
 Acq: 16 Jan 2018 18:38

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.3	17.4	26.0
265	19.7	17.7	26.5

