

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012718\
 Data File : BG032367.D
 Acq On : 27 Jan 2018 22:44
 Operator : SJ/JU
 Sample : J1326-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 28 00:25:13 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 24 14:02:41 2018
 Response via : Initial Calibration

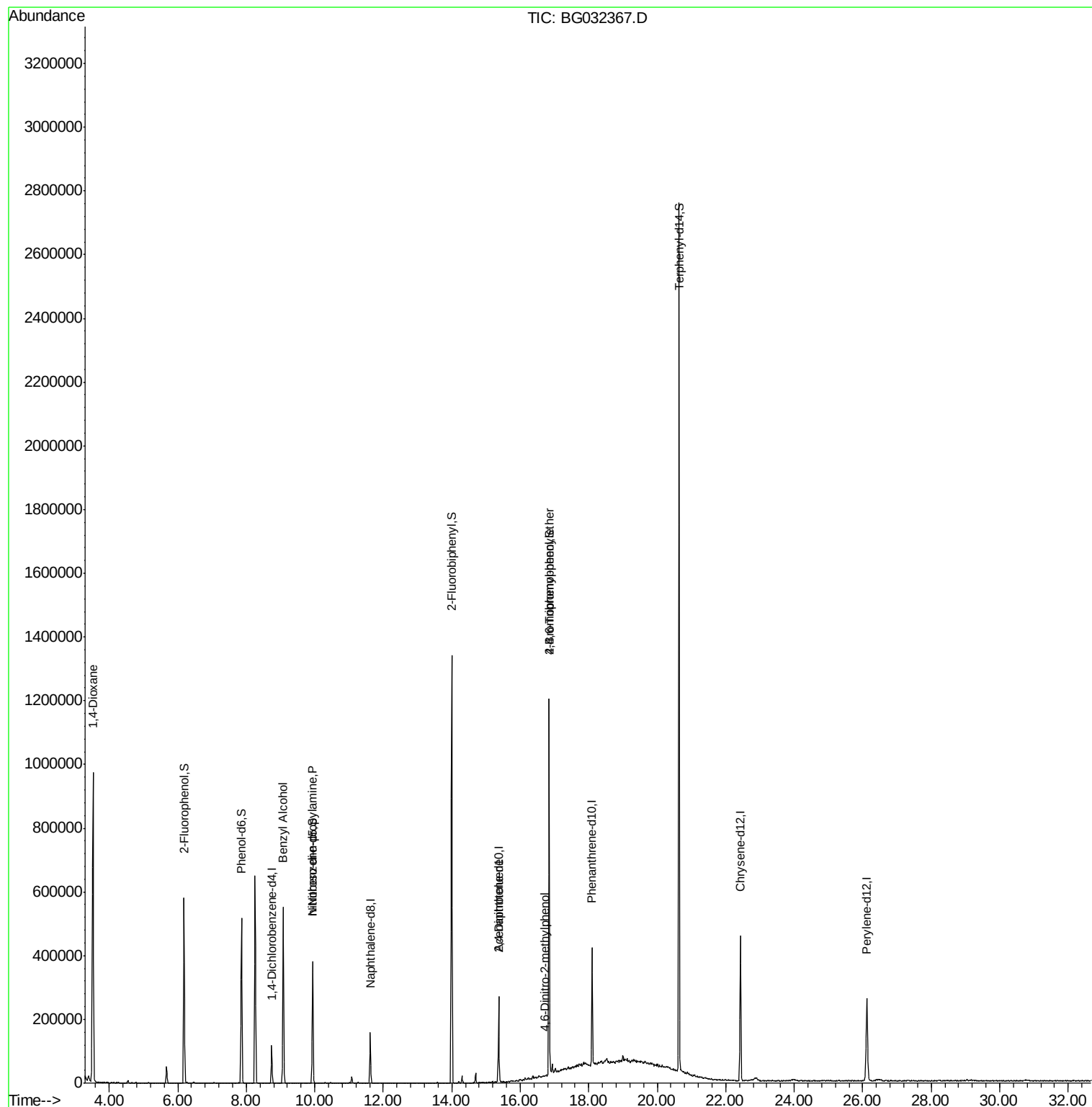
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	41449	20.00	ng	0.02
21) Naphthalene-d8	11.62	136	147796	20.00	ng	0.01
38) Acenaphthene-d10	15.37	164	98830	20.00	ng	0.00
63) Phenanthrene-d10	18.10	188	250554	20.00	ng	0.00
75) Chrysene-d12	22.43	240	339577	20.00	ng	0.00
86) Perylene-d12	26.13	264	362141	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.19	112	275306	121.48	ng	0.03
7) Phenol-d6	7.86	99	306988	107.55	ng	0.02
23) Nitrobenzene-d5	9.94	82	232410	106.39	ng	0.02
41) 2,4,6-Tribromophenol	16.84	330	255881	156.46	ng	0.00
44) 2-Fluorobiphenyl	14.00	172	782585	98.19	ng	0.01
78) Terphenyl-d14	20.64	244	1458293	94.82	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.53	88	14618	16.789	ng	# 1
15) Benzyl Alcohol	9.08	79	4463	2.152	ng	# 46
19) n-Nitroso-di-n-propylamine	9.94	70	33392	18.855	ng	# 71
56) 2,4-Dinitrotoluene	15.37	165	13761	5.694	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.71	198	59	4.917	ng	# 1
66) 4-Bromophenyl-phenylether	16.84	248	21426	6.010	ng	# 1

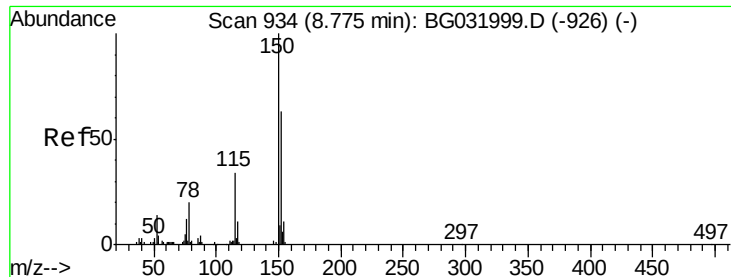
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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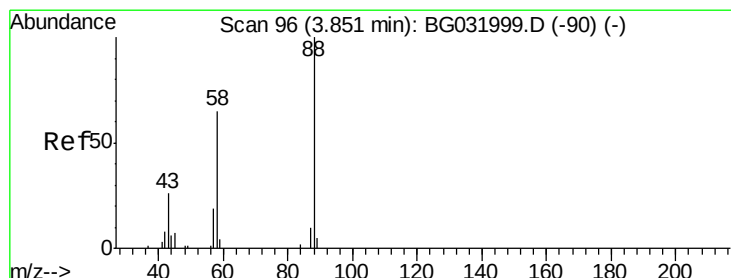
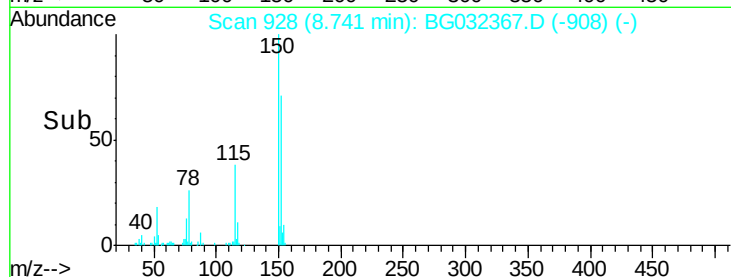
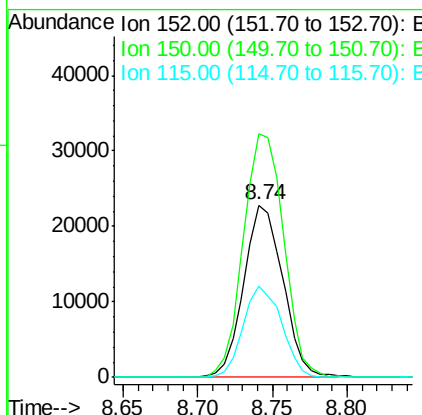
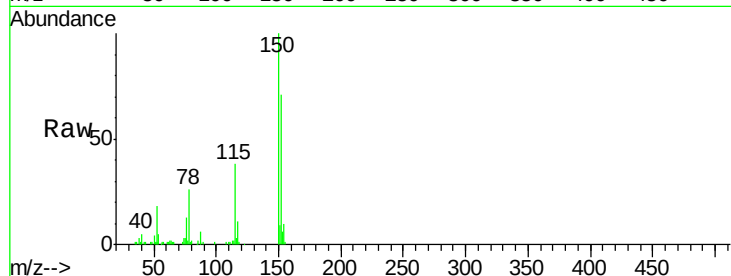


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.74 min Scan# 928
Delta R.T. 0.02 min
Lab File: BG032367.D
Acq: 27 Jan 2018 22:44

Instrument :
BNA_G
ClientSampleId :

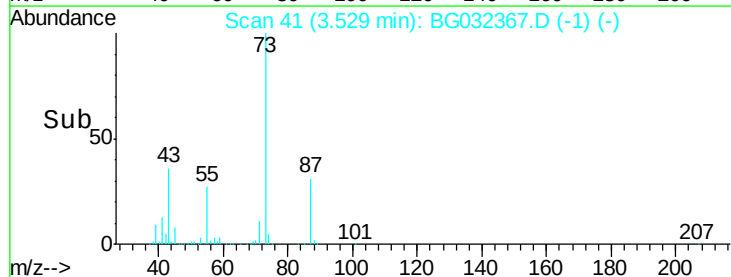
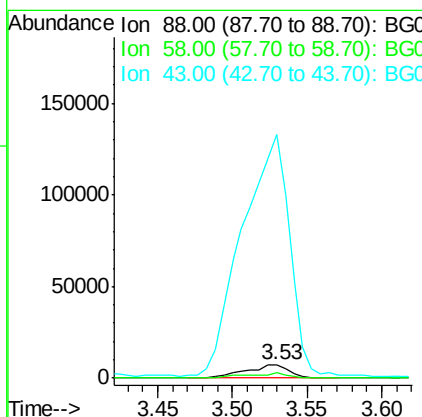
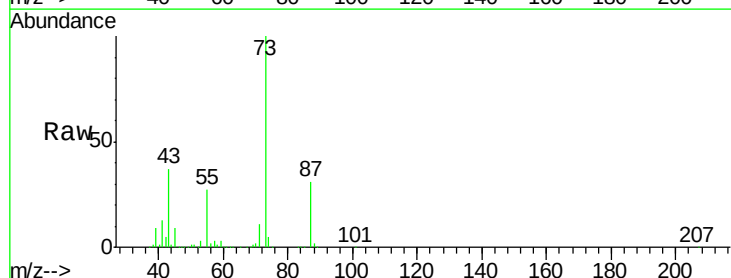
Tot Ion:152 Resp: 41449
Ion Ratio Lower Upper
152 100
150 141.6 126.6 189.8
115 53.4 53.0 79.4

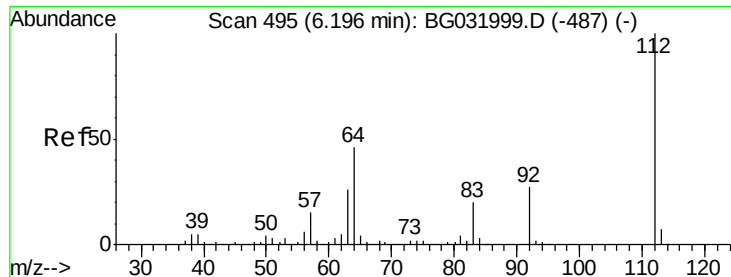


#2

1,4-Dioxane
Concen: 16.789 ng
RT: 3.53 min Scan# 41
Delta R.T. -0.29 min
Lab File: BG032367.D
Acq: 27 Jan 2018 22:44

Tgt Ion: 88 Resp: 14618
Ion Ratio Lower Upper
88 100
58 36.3 79.6 119.4#
43 2008.8 27.4 41.0#





#5

2-Fluorophenol

Concen: 121.479 ng

RT: 6.19 min Scan# 493

Delta R.T. 0.03 min

Lab File: BG032367.D

Acq: 27 Jan 2018 22:44

Instrument :

BNA_G

ClientSampleId :

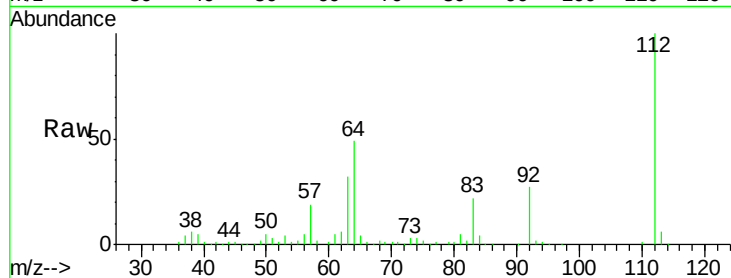
Tot Ion:112 Resp: 275306

Ion Ratio Lower Upper

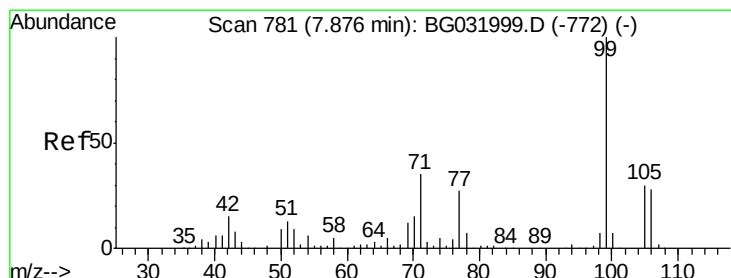
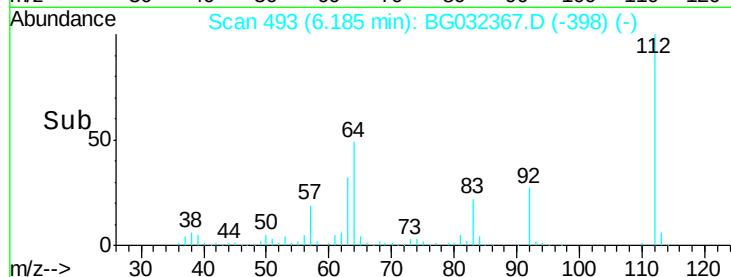
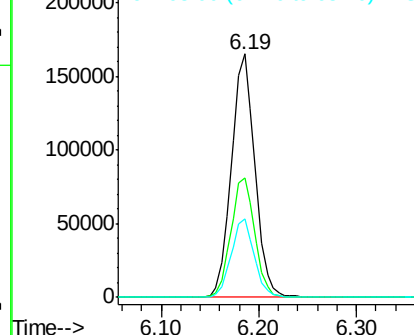
112 100

64 49.2 56.3 84.5#

63 32.3 30.1 45.1



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



#7

Phenol-d6

Concen: 107.554 ng

RT: 7.86 min Scan# 778

Delta R.T. 0.02 min

Lab File: BG032367.D

Acq: 27 Jan 2018 22:44

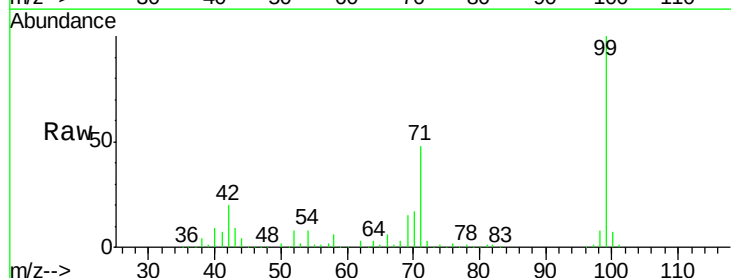
Tgt Ion: 99 Resp: 306988

Ion Ratio Lower Upper

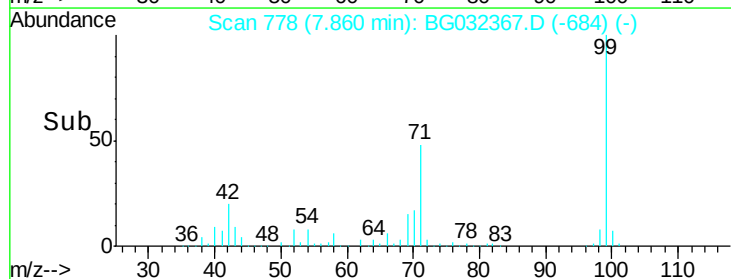
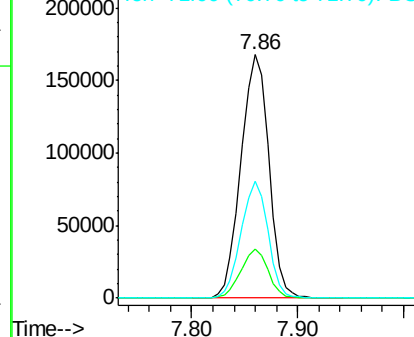
99 100

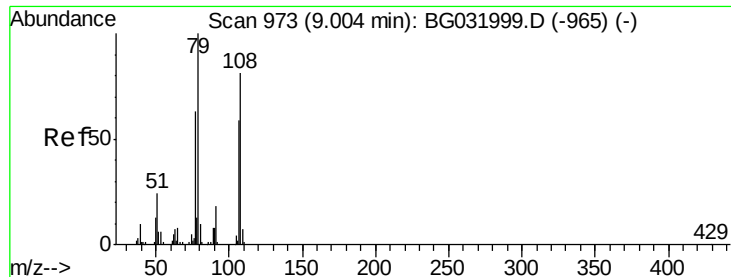
42 20.0 14.1 21.1

71 47.8 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





#15

Benzyl Alcohol

Concen: 2.152 ng

RT: 9.08 min Scan# 985

Delta R.T. 0.11 min

Lab File: BG032367.D

Acq: 27 Jan 2018 22:44

Instrument :

BNA_G

ClientSampleId :

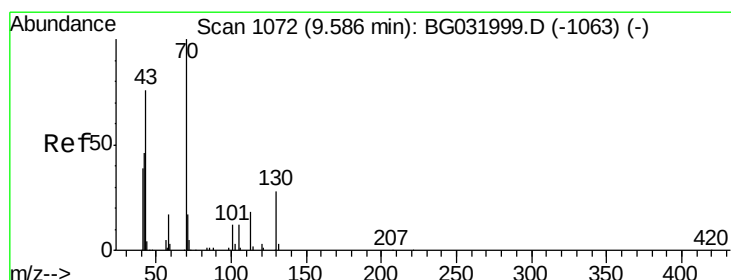
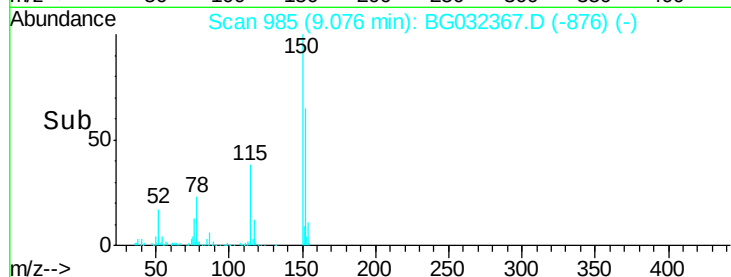
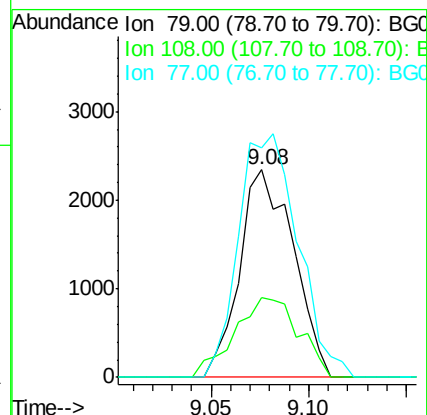
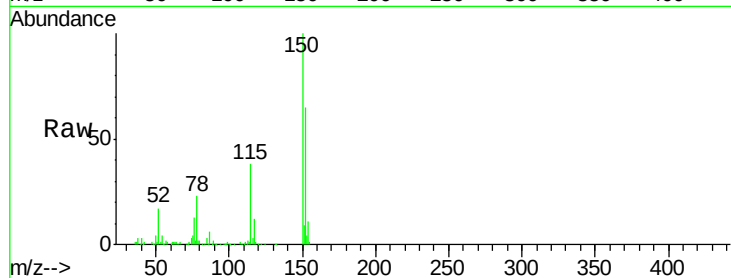
Tot Ion: 79 Resp: 4463

Ion Ratio Lower Upper

79 100

108 38.8 57.2 85.8#

77 110.5 46.1 69.1#



#19

n-Nitroso-di-n-propylamine

Concen: 18.855 ng

RT: 9.94 min Scan# 1132

Delta R.T. 0.40 min

Lab File: BG032367.D

Acq: 27 Jan 2018 22:44

Tgt Ion: 70 Resp: 33392

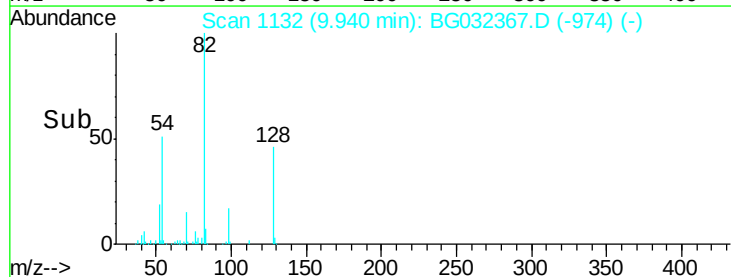
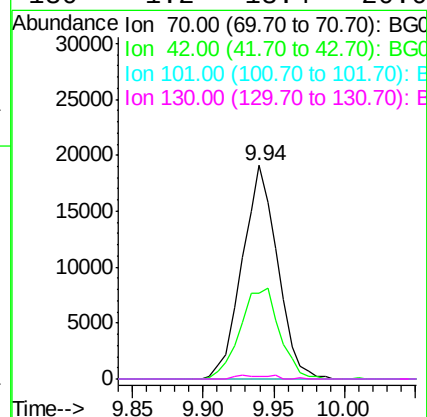
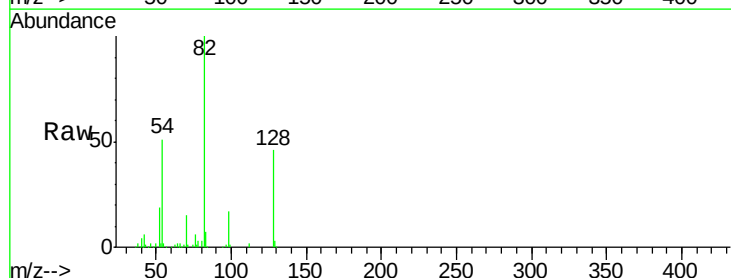
Ion Ratio Lower Upper

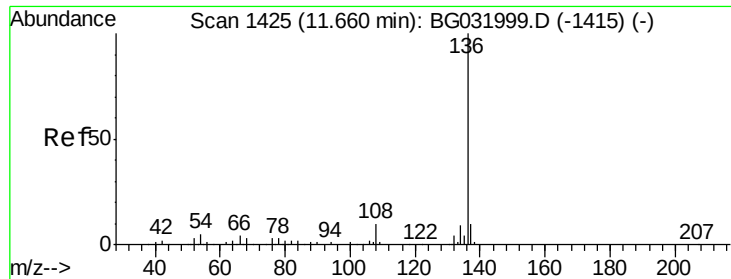
70 100

42 40.1 49.1 73.7#

101 0.0 8.5 12.7#

130 1.2 13.4 20.0#

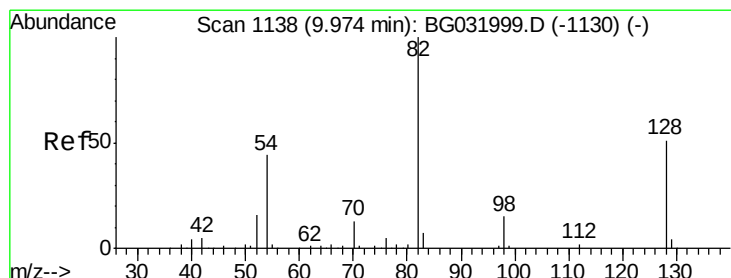
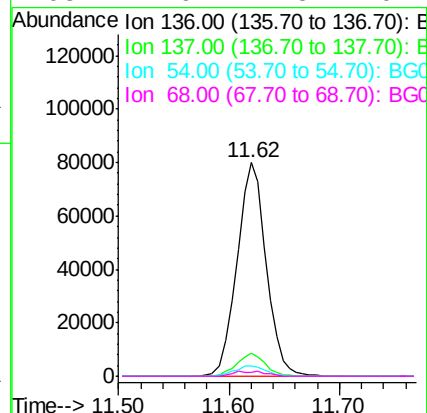
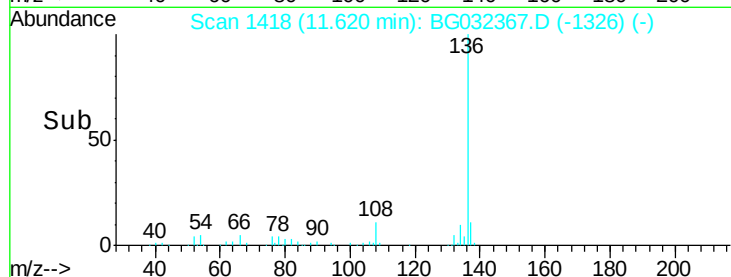
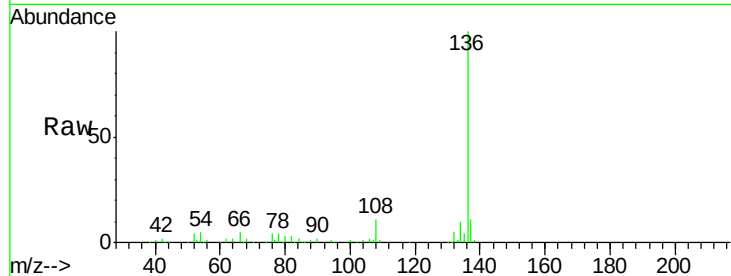




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.62 min Scan# 1418
Delta R.T. 0.01 min
Lab File: BG032367.D
Acq: 27 Jan 2018 22:44

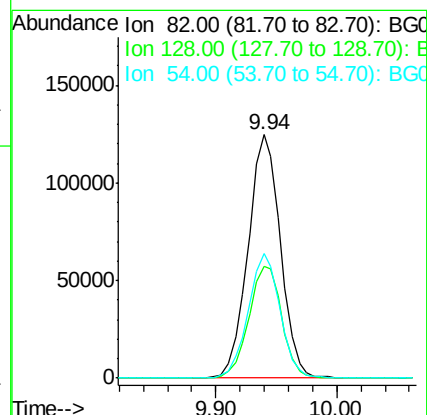
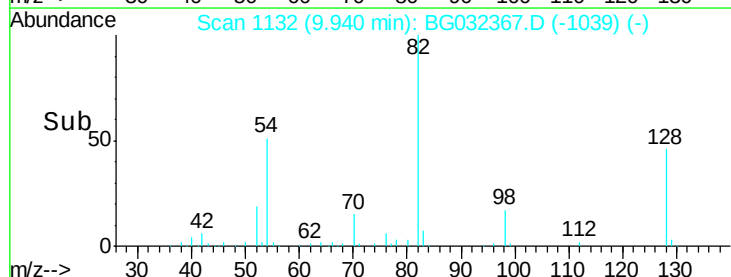
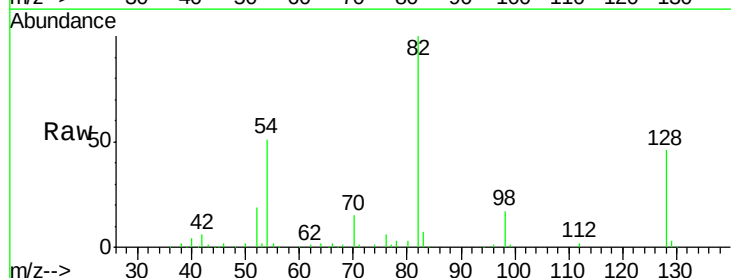
Instrument :
BNA_G
ClientSampleId :

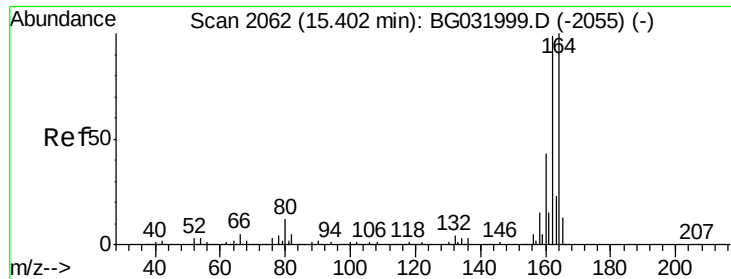
Tot Ion:136	Resp:	147796
Ion	Ratio	Lower Upper
136	100	
137	11.1	9.2 13.8
54	5.1	10.3 15.5#
68	1.9	4.5 6.7#



#23
Nitrobenzene-d5
Concen: 106.387 ng
RT: 9.94 min Scan# 1132
Delta R.T. 0.02 min
Lab File: BG032367.D
Acq: 27 Jan 2018 22:44

Tgt Ion: 82	Resp:	232410
Ion	Ratio	Lower Upper
82	100	
128	46.1	29.7 44.5#
54	51.4	43.1 64.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.37 min Scan# 2056

Delta R.T. 0.01 min

Lab File: BG032367.D

Acq: 27 Jan 2018 22:44

Instrument :

BNA_G

ClientSampleId :

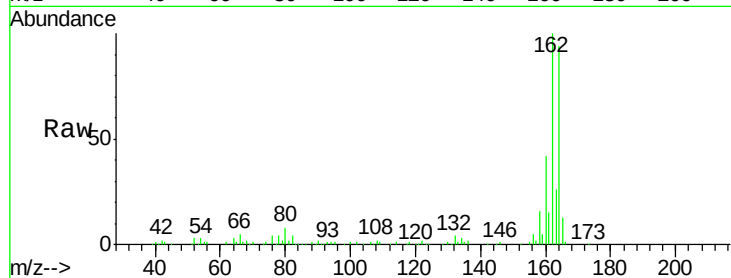
Tot Ion:164 Resp: 98830

Ion Ratio Lower Upper

164 100

162 106.3 78.8 118.2

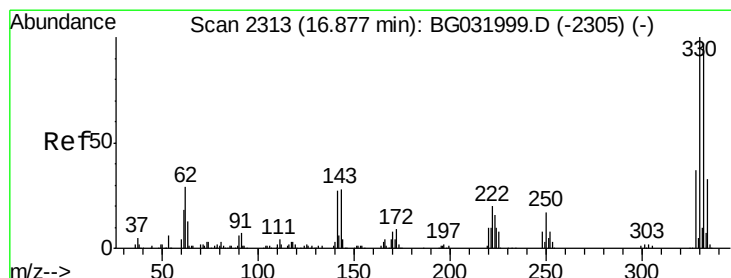
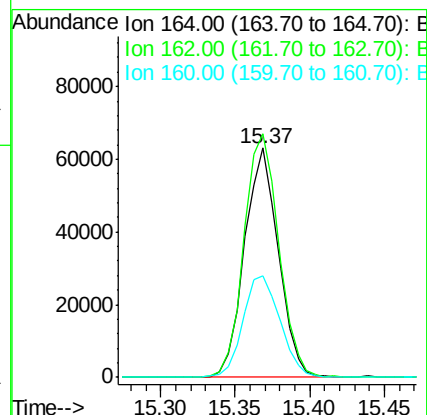
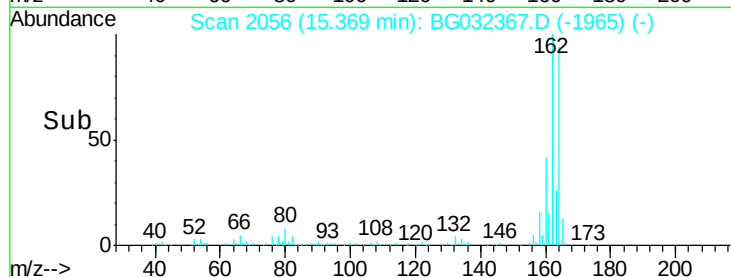
160 44.3 35.4 53.0



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: 156.463 ng

RT: 16.84 min Scan# 2307

Delta R.T. 0.01 min

Lab File: BG032367.D

Acq: 27 Jan 2018 22:44

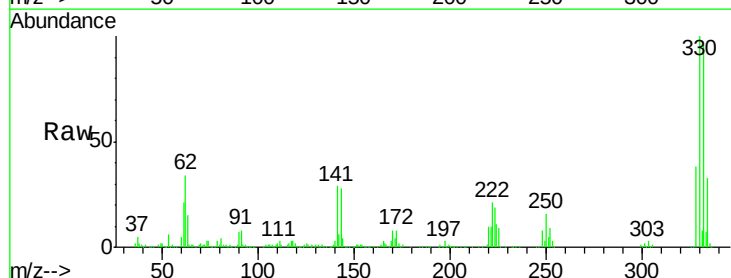
Tgt Ion:330 Resp: 255881

Ion Ratio Lower Upper

330 100

332 96.9 77.0 115.6

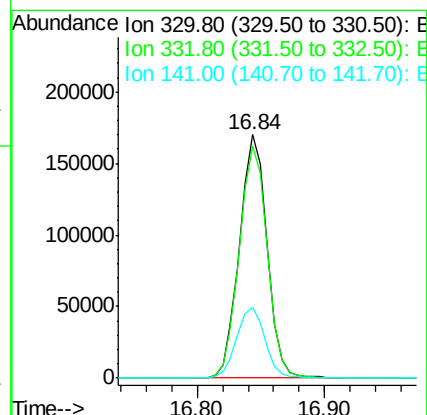
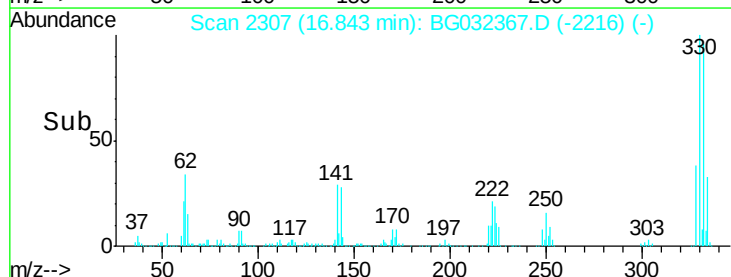
141 29.5 25.2 37.8

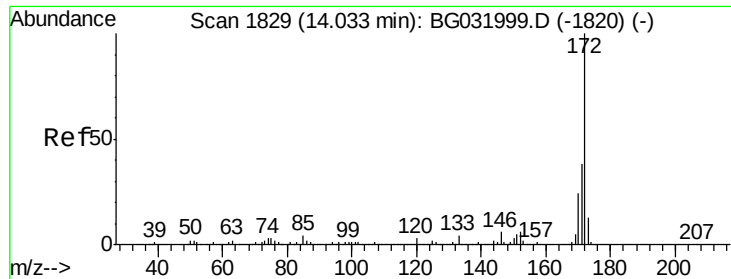


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

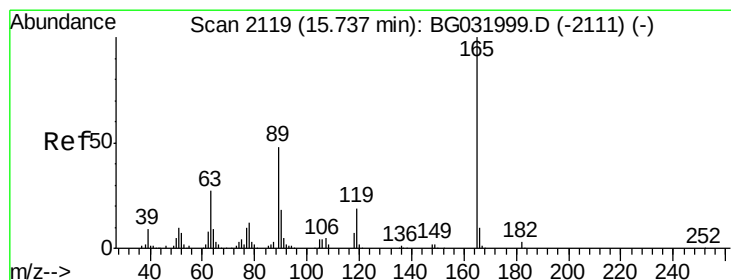
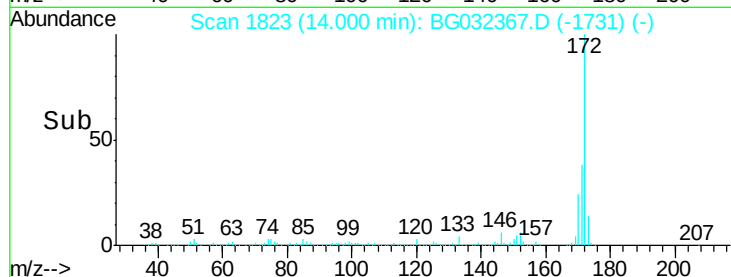
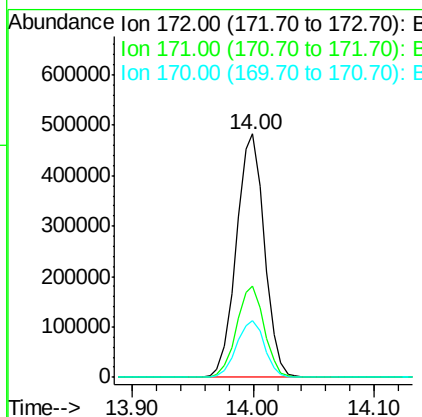
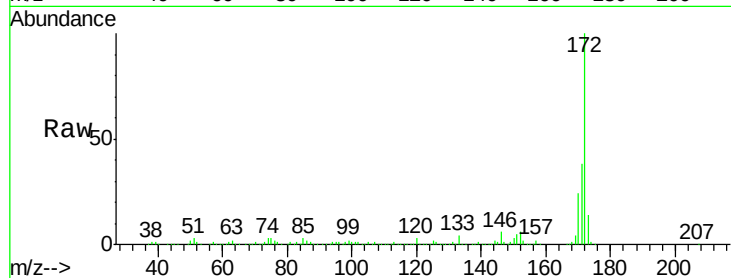




#44
2-Fluorobiphenyl
Concen: 98.185 ng
RT: 14.00 min Scan# 1823
Delta R.T. 0.01 min
Lab File: BG032367.D
Acq: 27 Jan 2018 22:44

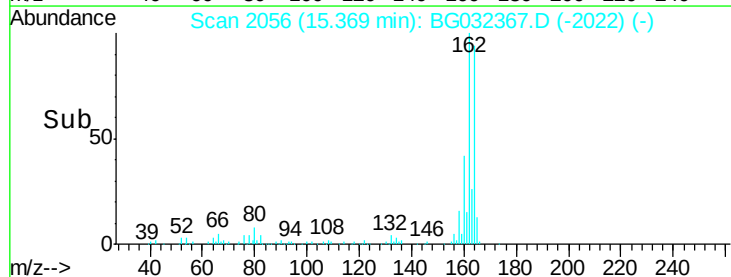
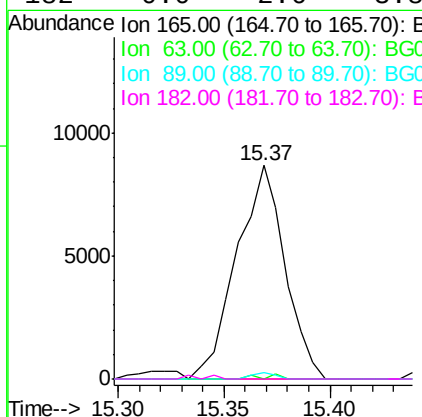
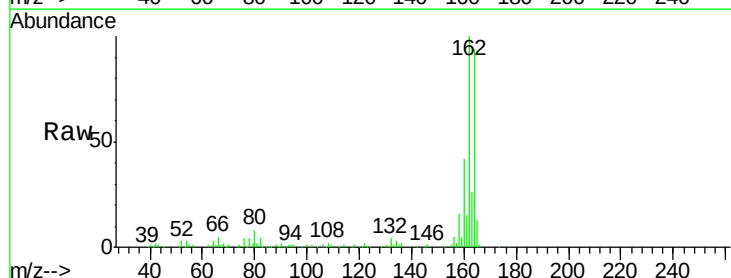
Instrument :
BNA_G
ClientSampleId :

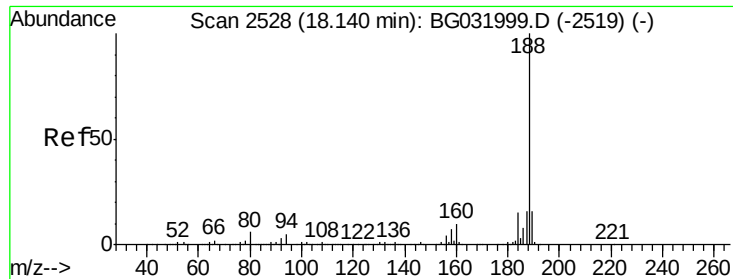
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.6	30.0	45.0
170	23.5	19.5	29.3



#56
2,4-Dinitrotoluene
Concen: 5.694 ng
RT: 15.37 min Scan# 2056
Delta R.T. -0.33 min
Lab File: BG032367.D
Acq: 27 Jan 2018 22:44

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	2.8	66.9	100.3#
182	0.0	2.6	3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.10 min Scan# 2521

Delta R.T. 0.01 min

Lab File: BG032367.D

Acq: 27 Jan 2018 22:44

Instrument :

BNA_G

ClientSampleId :

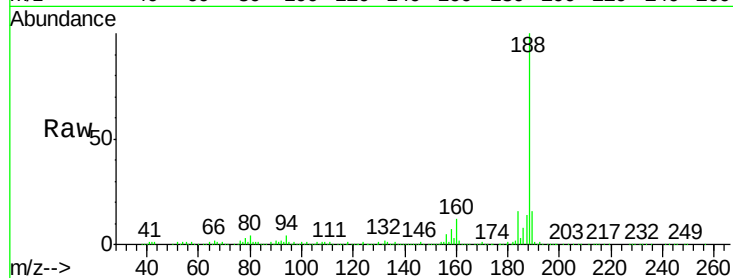
Tot Ion:188 Resp: 250554

Ion Ratio Lower Upper

188 100

94 4.3 6.9 10.3#

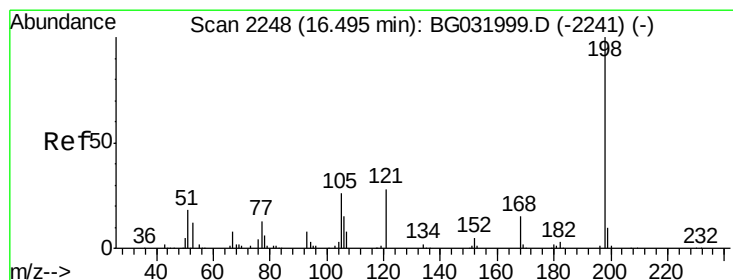
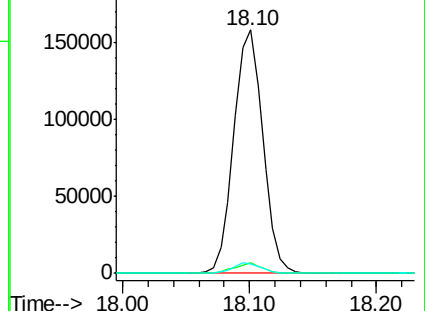
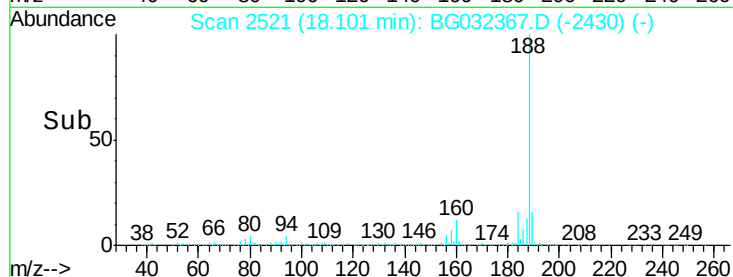
80 3.9 7.7 11.5#



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: 4.917 ng

RT: 16.71 min Scan# 2284

Delta R.T. 0.25 min

Lab File: BG032367.D

Acq: 27 Jan 2018 22:44

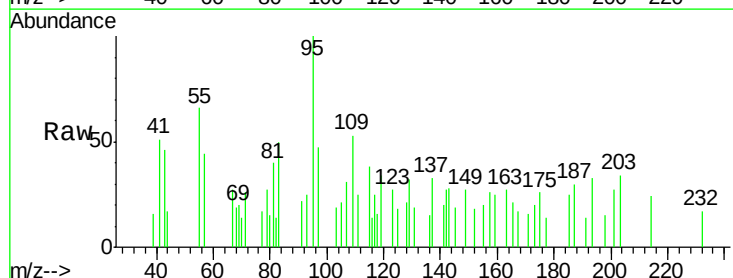
Tgt Ion:198 Resp: 59

Ion Ratio Lower Upper

198 100

51 0.0 30.6 70.6#

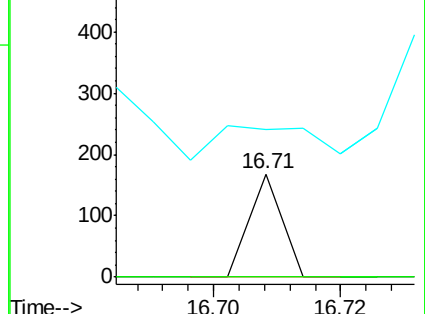
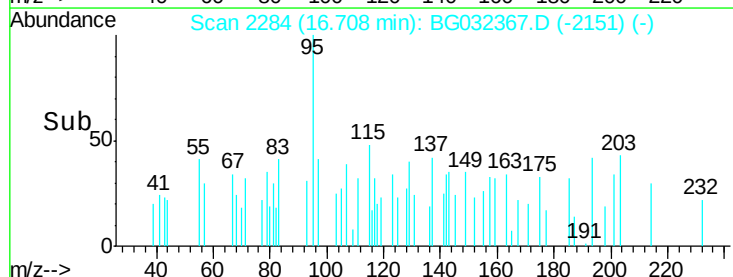
105 142.9 23.8 63.8#

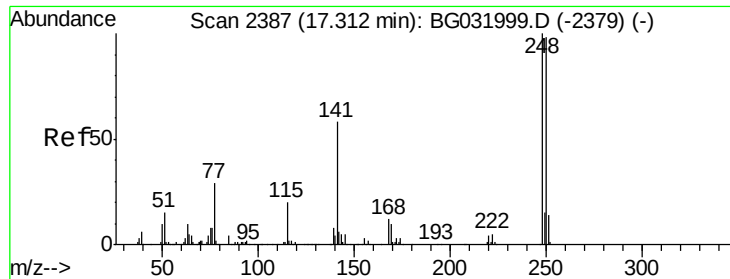


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

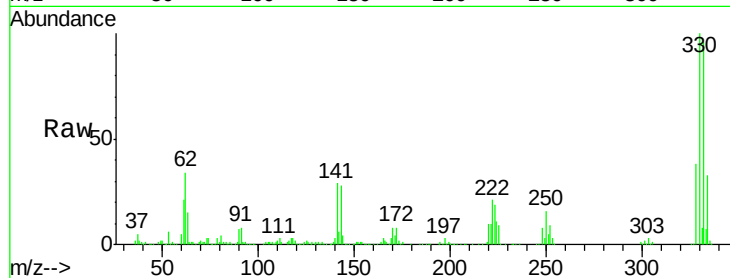




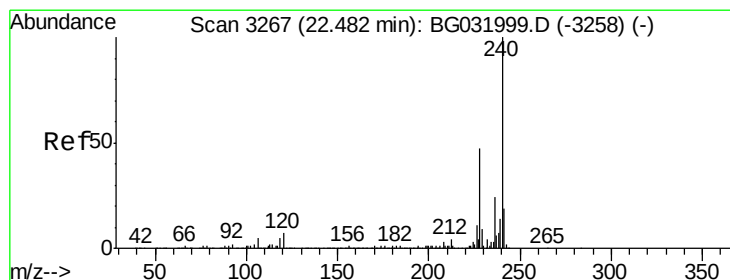
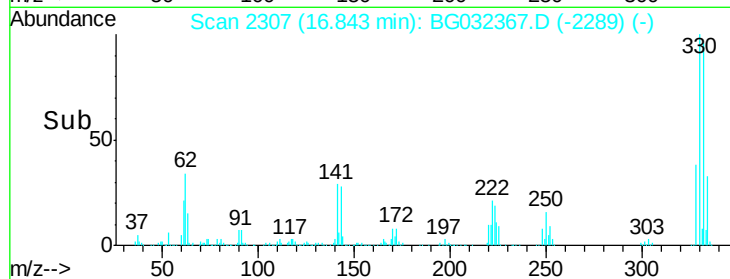
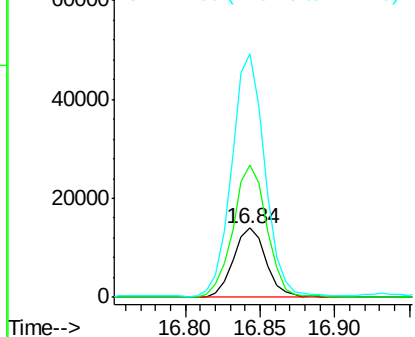
#66
 4-Bromophenyl-phenylether
 Concen: 6.010 ng
 RT: 16.84 min Scan# 2307
 Delta R.T. -0.42 min
 Lab File: BG032367.D
 Acq: 27 Jan 2018 22:44

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 21426
 Ion Ratio Lower Upper
 248 100
 250 190.6 77.1 115.7#
 141 351.3 50.8 76.2#

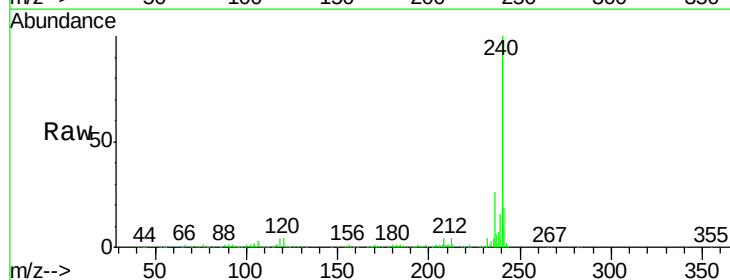


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

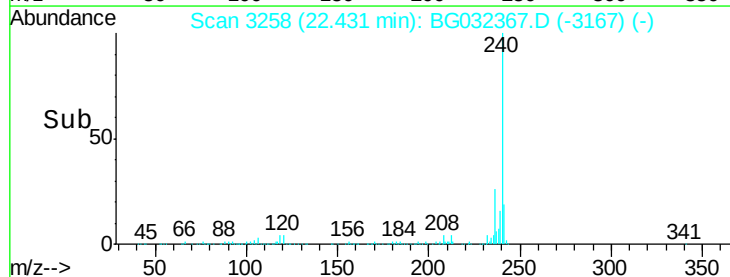
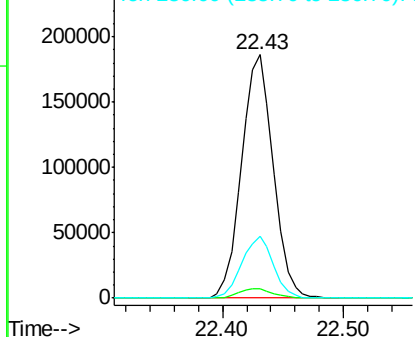


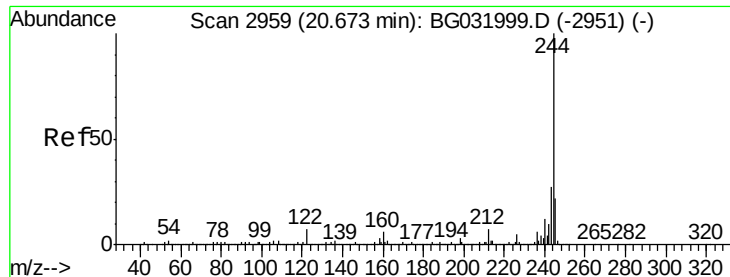
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.43 min Scan# 3258
 Delta R.T. 0.01 min
 Lab File: BG032367.D
 Acq: 27 Jan 2018 22:44

Tgt Ion:240 Resp: 339577
 Ion Ratio Lower Upper
 240 100
 120 4.1 6.8 10.2#
 236 25.6 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: 94.823 ng

RT: 20.64 min Scan# 2953

Delta R.T. 0.01 min

Lab File: BG032367.D

Acq: 27 Jan 2018 22:44

Instrument :

BNA_G

ClientSampled :

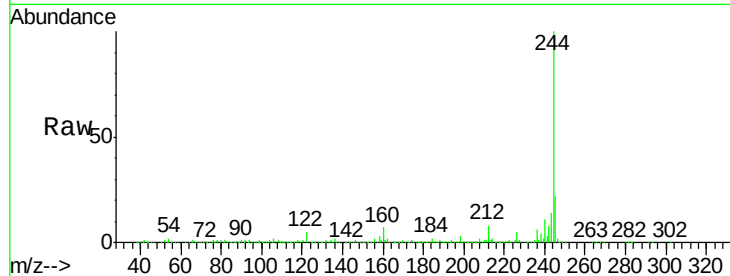
Tot Ion:244 Resp: 1458293

Ion Ratio Lower Upper

244 100

212 8.1 5.8 8.8

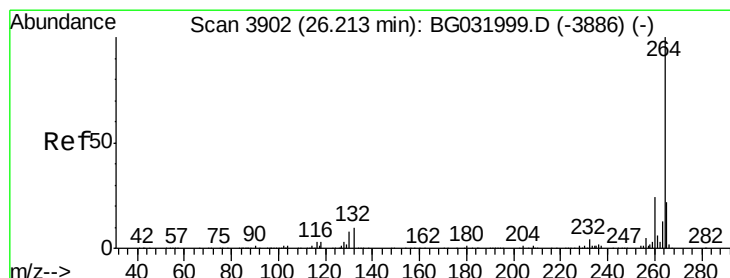
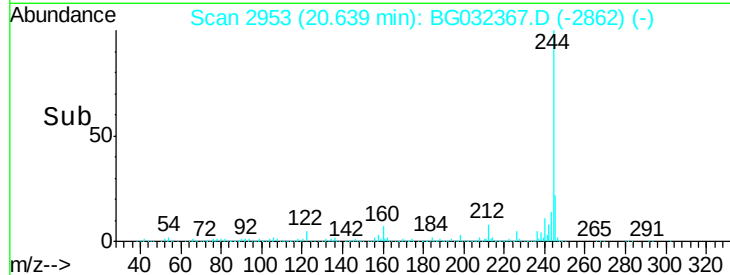
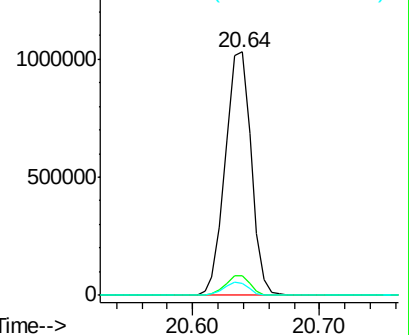
122 5.1 7.0 10.4#



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: 26.13 min Scan# 3887

Delta R.T. 0.02 min

Lab File: BG032367.D

Acq: 27 Jan 2018 22:44

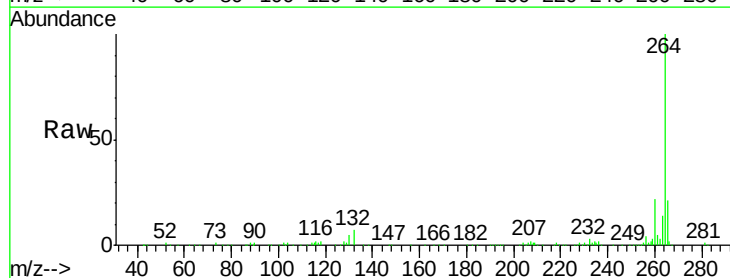
Tgt Ion:264 Resp: 362141

Ion Ratio Lower Upper

264 100

260 21.9 17.4 26.0

265 21.5 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

