

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012318\
 Data File : BG032226.D
 Acq On : 23 Jan 2018 11:35
 Operator : SJ/JU
 Sample : PB105847TB
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 24 02:53:53 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 18 10:13:16 2018
 Response via : Initial Calibration

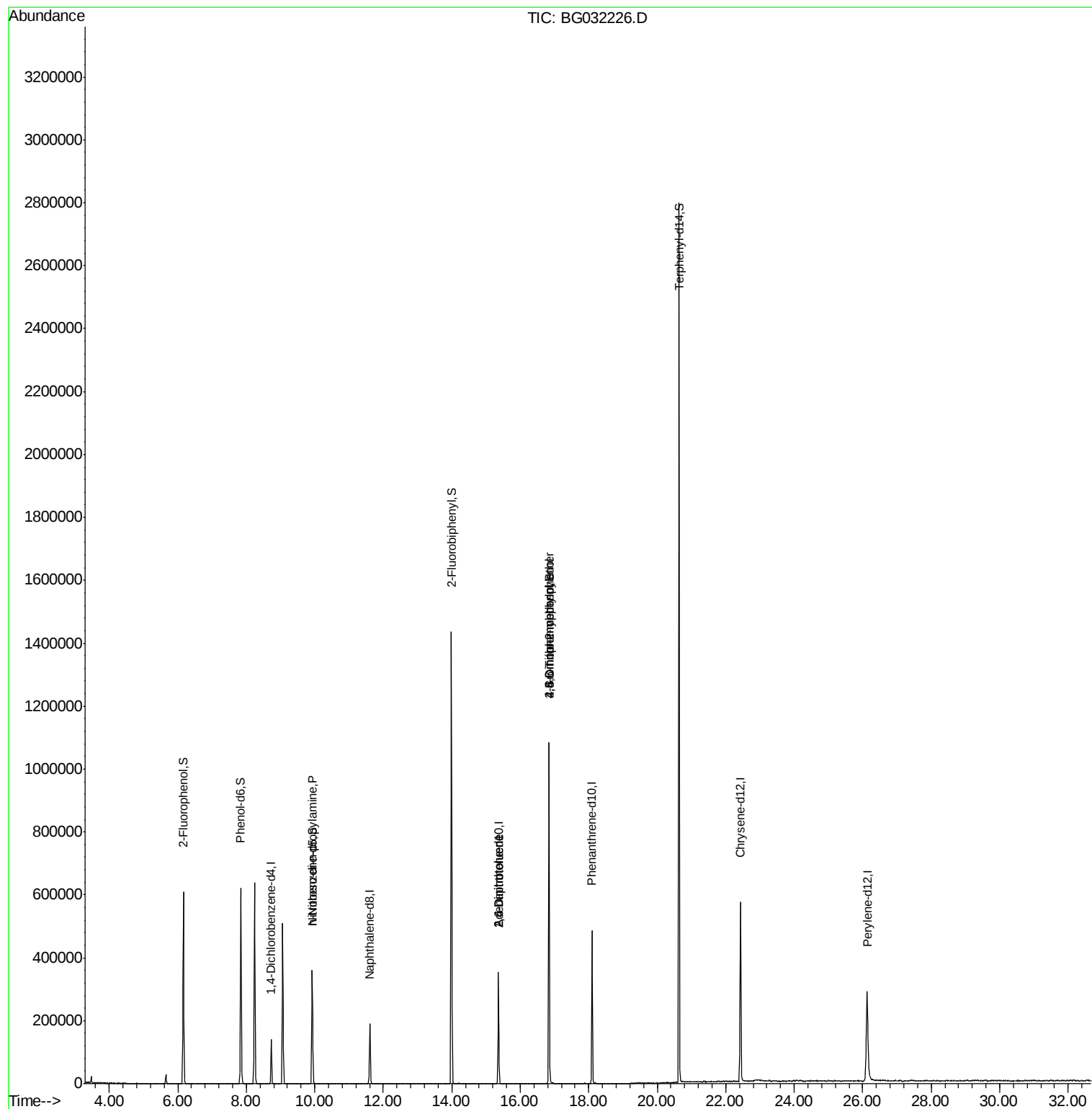
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.73	152	45120	20.00	ng	-0.01
21) Naphthalene-d8	11.61	136	189238	20.00	ng	-0.02
38) Acenaphthene-d10	15.36	164	134834	20.00	ng	-0.02
63) Phenanthrene-d10	18.09	188	340096	20.00	ng	-0.02
75) Chrysene-d12	22.43	240	437486	20.00	ng	-0.02
86) Perylene-d12	26.13	264	457877	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.16	112	302961	122.80	ng	0.00
7) Phenol-d6	7.84	99	382267	123.03	ng	0.00
23) Nitrobenzene-d5	9.93	82	230429	82.38	ng	-0.01
41) 2,4,6-Tribromophenol	16.84	330	251430	112.69	ng	-0.01
44) 2-Fluorobiphenyl	13.99	172	837618	77.03	ng	-0.01
78) Terphenyl-d14	20.64	244	1538227	77.64	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.93	70	32758	16.992	ng	# 74
50) 2,6-Dinitrotoluene	15.36	165	17199	7.023	ng	# 18
56) 2,4-Dinitrotoluene	15.36	165	17199	5.216	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.83	198	965	5.283	ng	# 39
66) 4-Bromophenyl-phenylether	16.84	248	20639	4.265	ng	# 1

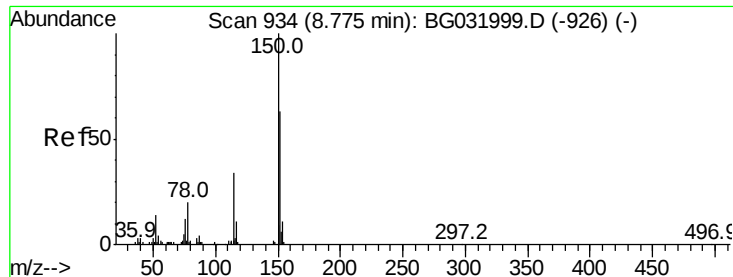
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 3 Sample Multiplier: 1

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BNA_G
ClientSampleId :

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 18 10:13:16 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.73 min Scan# 926

Delta R.T. -0.01 min

Lab File: BG032226.D

Acq: 23 Jan 2018 11:35

Instrument :

BNA_G

ClientSampled :

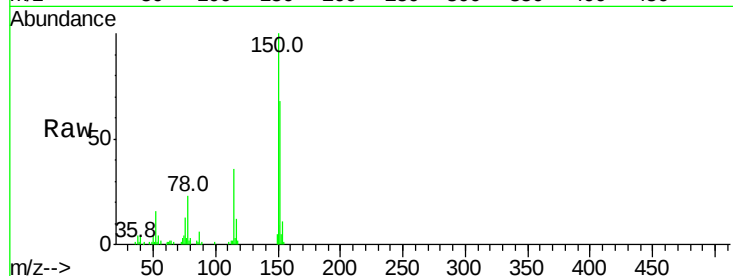
Tot Ion:152 Resp: 45120

Ion Ratio Lower Upper

152 100

150 147.0 126.6 189.8

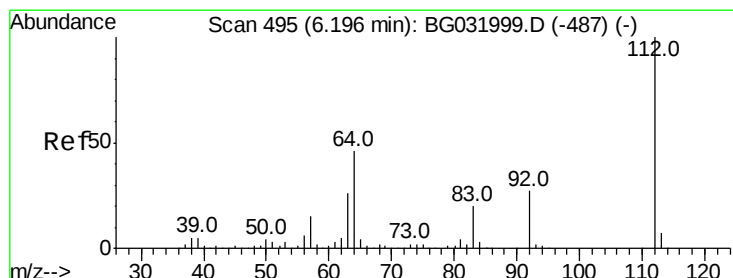
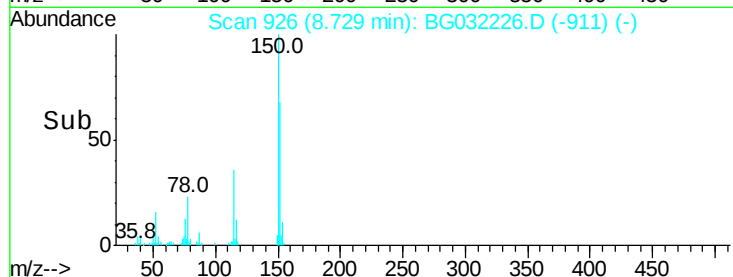
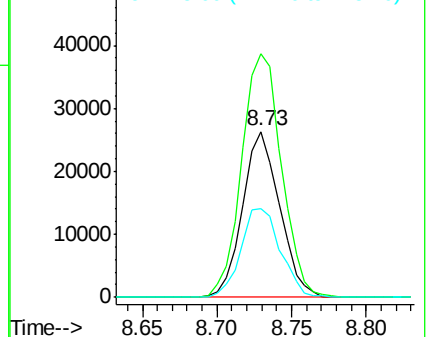
115 53.6 53.0 79.4



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: 122.805 ng

RT: 6.16 min Scan# 489

Delta R.T. -0.01 min

Lab File: BG032226.D

Acq: 23 Jan 2018 11:35

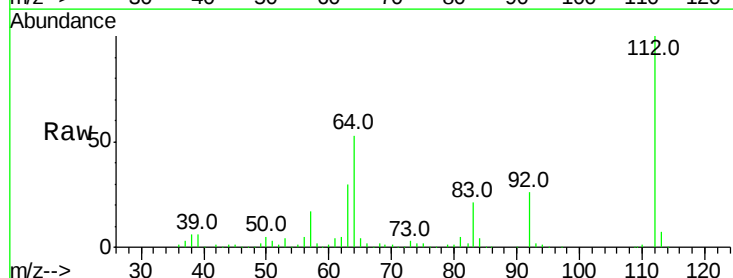
Tgt Ion:112 Resp: 302961

Ion Ratio Lower Upper

112 100

64 52.9 56.3 84.5#

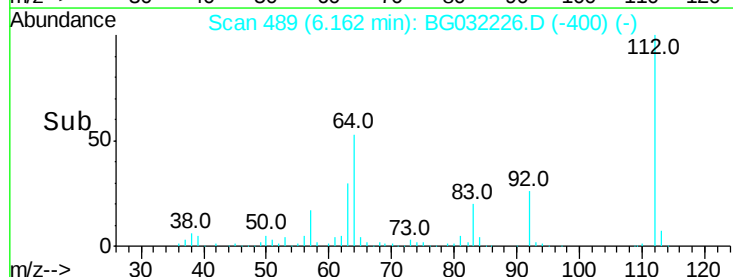
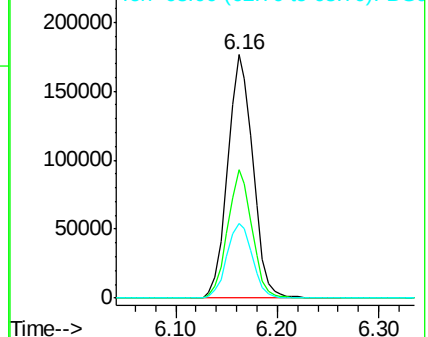
63 30.4 30.1 45.1



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: 123.032 ng

RT: 7.84 min Scan# 775

Delta R.T. -0.01 min

Lab File: BG032226.D

Acq: 23 Jan 2018 11:35

Instrument :

BNA_G

ClientSampleId :

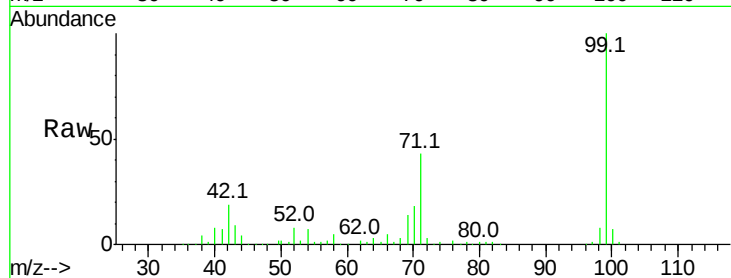
Tot Ion: 99 Resp: 382267

Ion Ratio Lower Upper

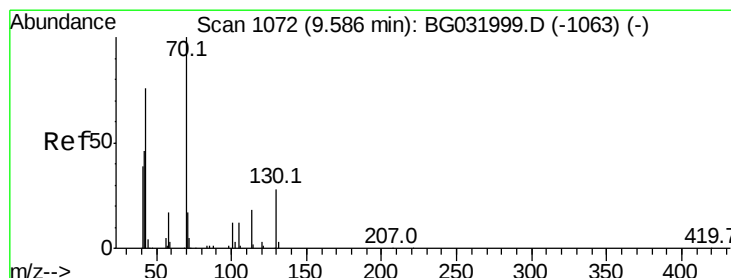
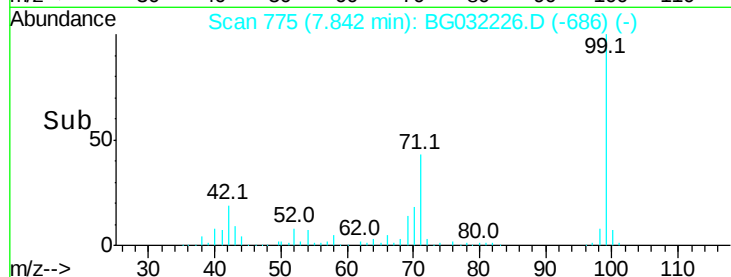
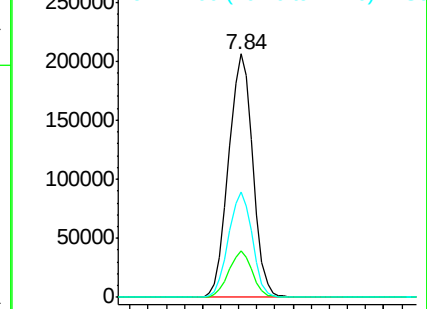
99 100

42 19.0 14.1 21.1

71 43.5 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: 16.992 ng

RT: 9.93 min Scan# 1130

Delta R.T. 0.37 min

Lab File: BG032226.D

Acq: 23 Jan 2018 11:35

Tgt Ion: 70 Resp: 32758

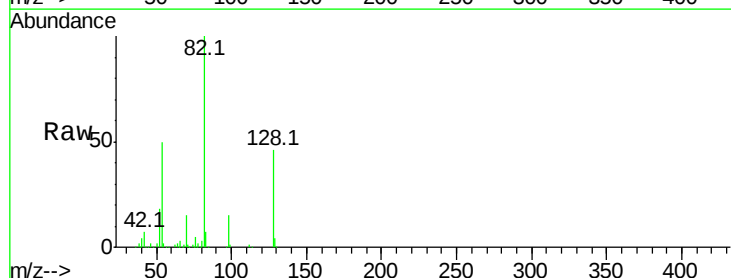
Ion Ratio Lower Upper

70 100

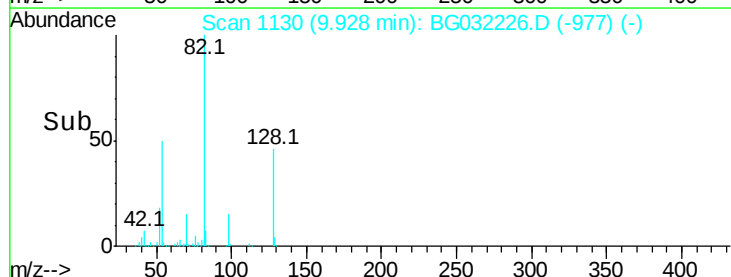
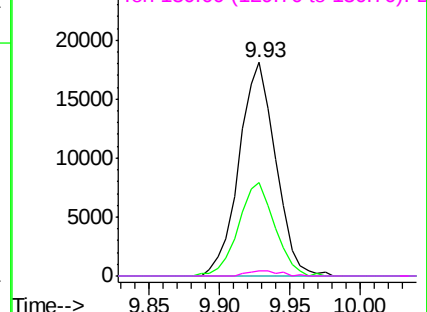
42 43.5 49.1 73.7#

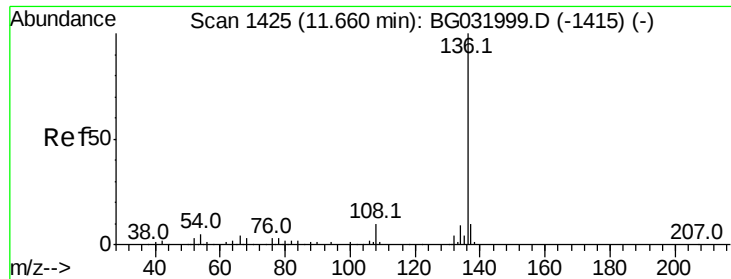
101 0.0 8.5 12.7#

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

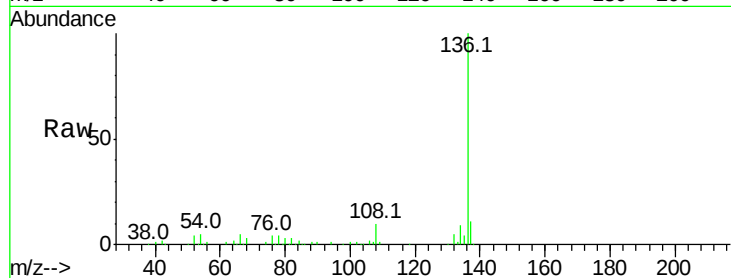




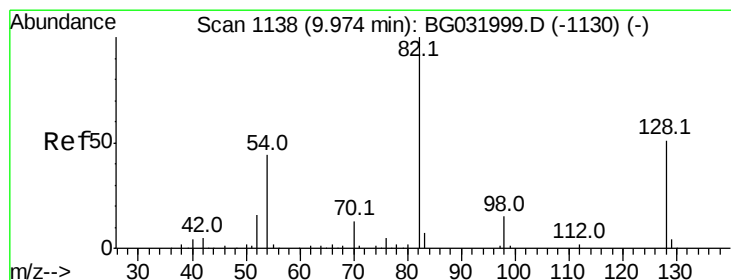
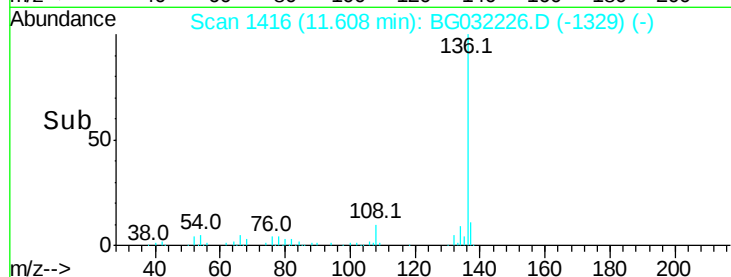
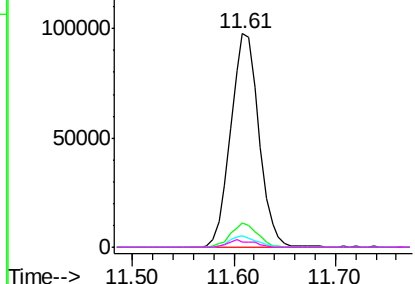
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.61 min Scan# 1416
Delta R.T. -0.02 min
Lab File: BG032226.D
Acq: 23 Jan 2018 11:35

Instrument :
BNA_G
ClientSampled :

Tot Ion:	136	Resp:	189238
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.2	13.8
54	5.2	10.3	15.5#
68	2.5	4.5	6.7#

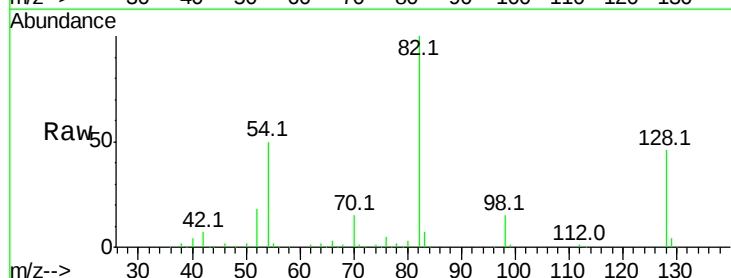


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

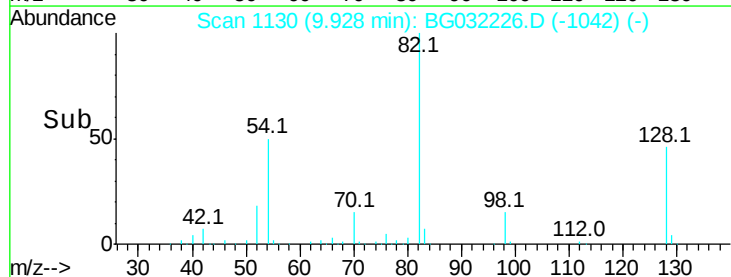
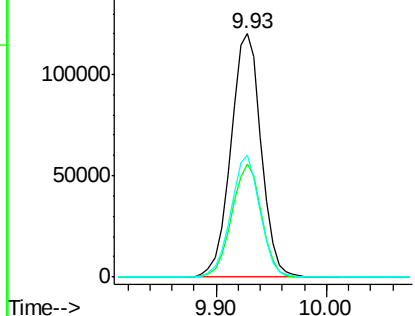


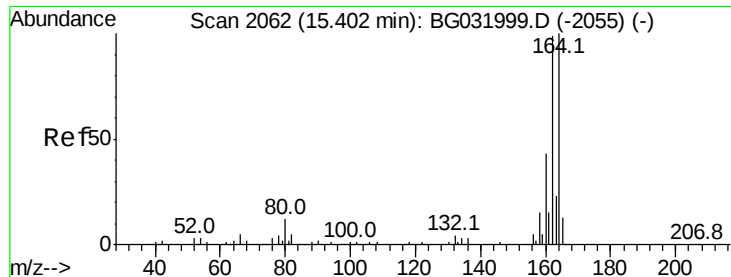
#23
Nitrobenzene-d5
Concen: 82.380 ng
RT: 9.93 min Scan# 1130
Delta R.T. -0.01 min
Lab File: BG032226.D
Acq: 23 Jan 2018 11:35

Tgt Ion:	82	Resp:	230429
Ion	Ratio	Lower	Upper
82	100		
128	46.3	29.7	44.5#
54	50.3	43.1	64.7



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.36 min Scan# 2055

Delta R.T. -0.02 min

Lab File: BG032226.D

Acq: 23 Jan 2018 11:35

Instrument :

BNA_G

ClientSampleId :

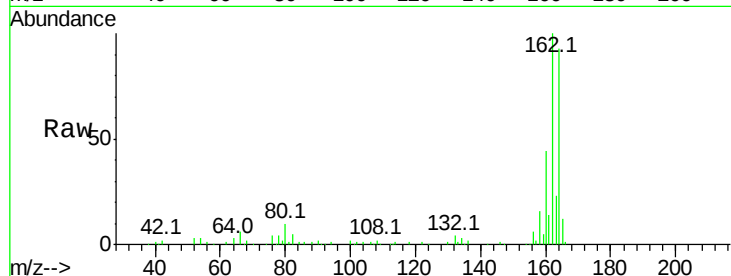
Tot Ion:164 Resp: 134834

Ion Ratio Lower Upper

164 100

162 107.0 78.8 118.2

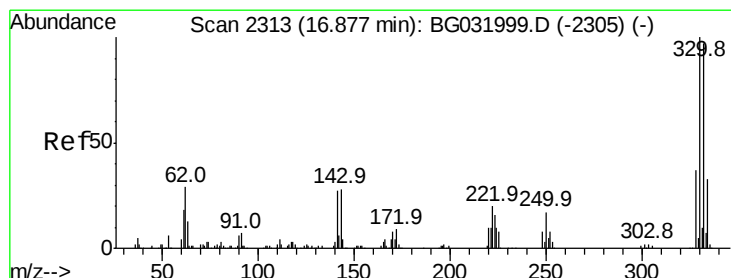
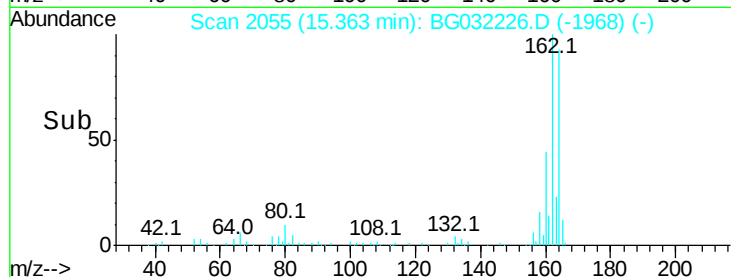
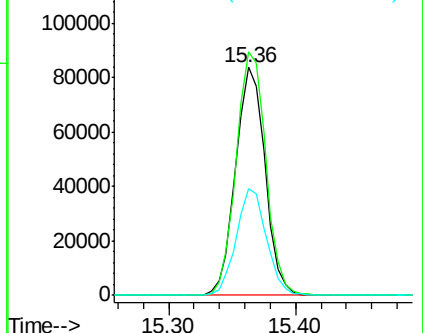
160 47.0 35.4 53.0



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: 112.689 ng

RT: 16.84 min Scan# 2307

Delta R.T. -0.01 min

Lab File: BG032226.D

Acq: 23 Jan 2018 11:35

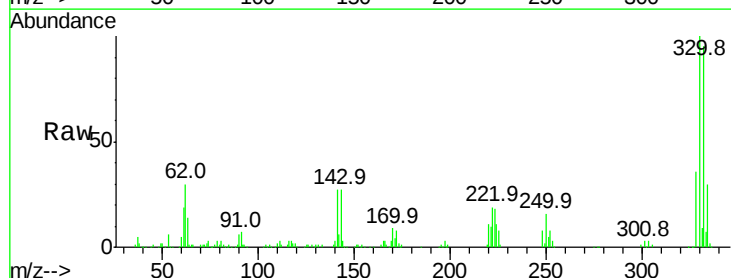
Tgt Ion:330 Resp: 251430

Ion Ratio Lower Upper

330 100

332 96.4 77.0 115.6

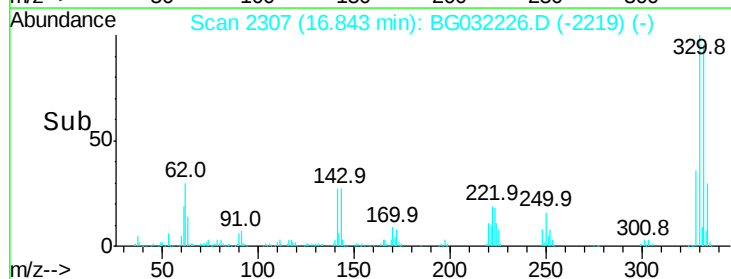
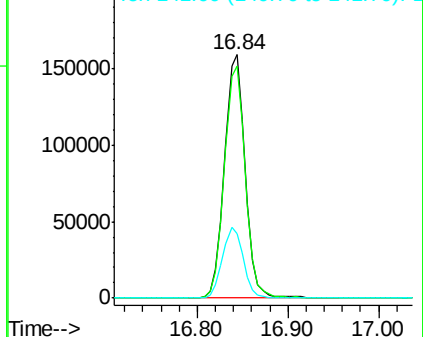
141 29.3 25.2 37.8

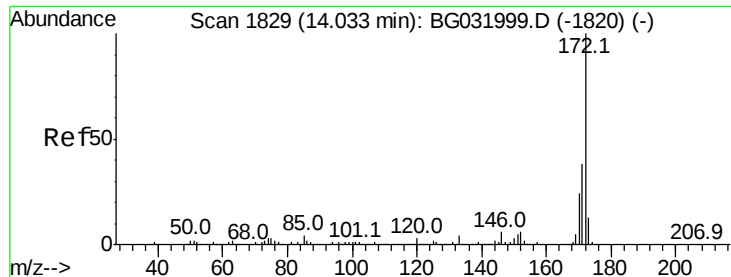


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



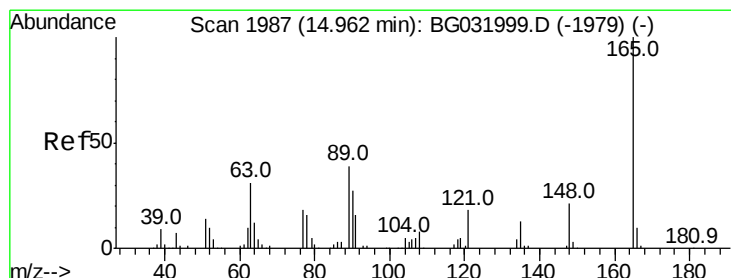
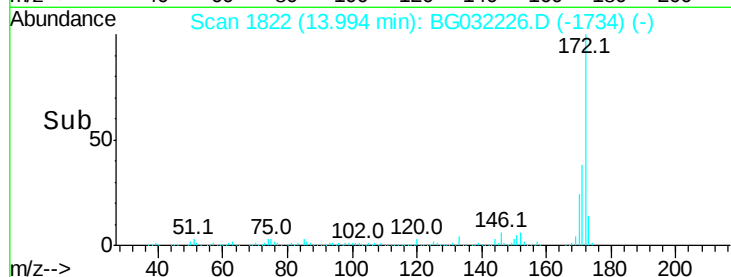
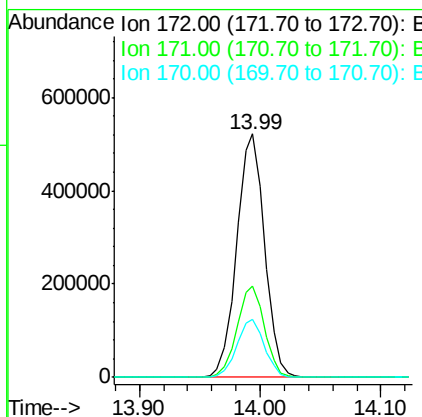
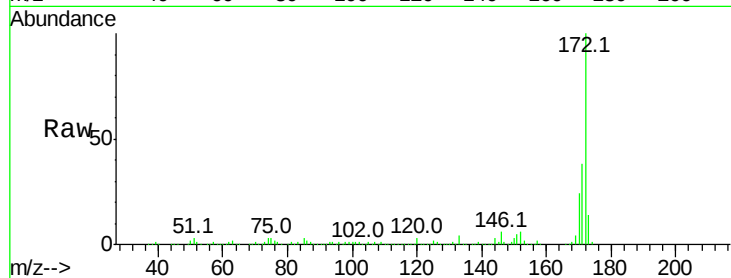


#44
 2-Fluorobiphenyl
 Concen: 77.028 ng
 RT: 13.99 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: BG032226.D
 Acq: 23 Jan 2018 11:35

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 837618

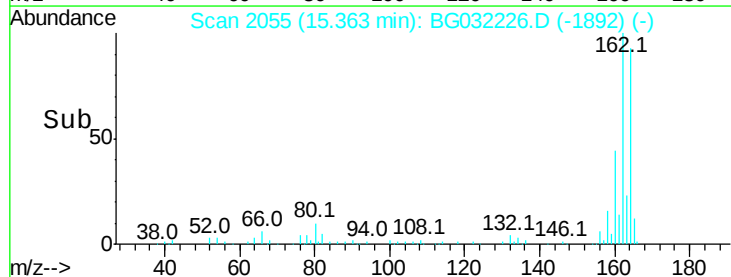
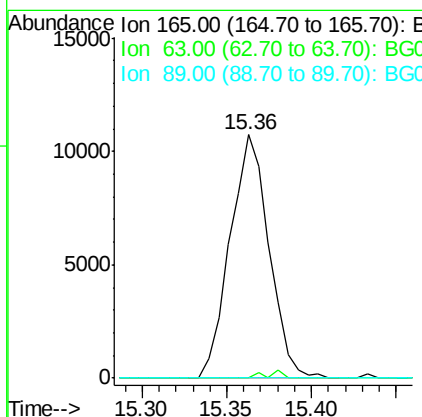
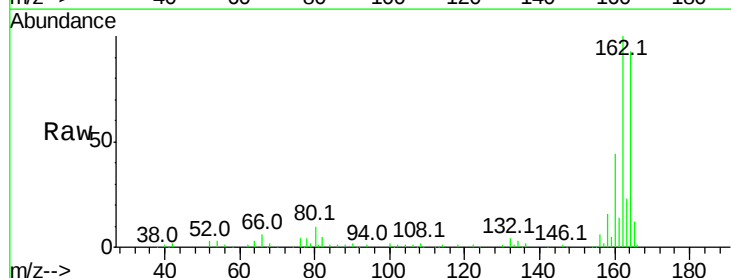
Ion	Ratio	Lower	Upper
172	100		
171	37.7	30.0	45.0
170	23.8	19.5	29.3

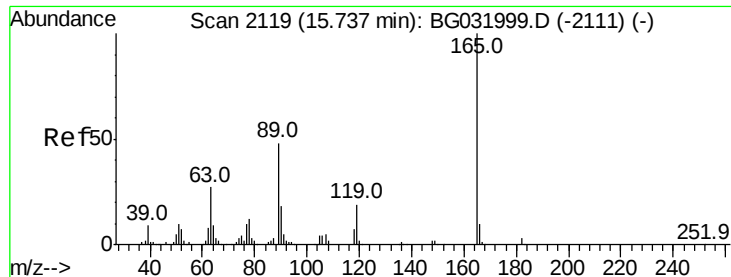


#50
 2,6-Dinitrotoluene
 Concen: 7.023 ng
 RT: 15.36 min Scan# 2055
 Delta R.T. 0.43 min
 Lab File: BG032226.D
 Acq: 23 Jan 2018 11:35

Tgt Ion:165 Resp: 17199

Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	0.0	49.2	73.8#

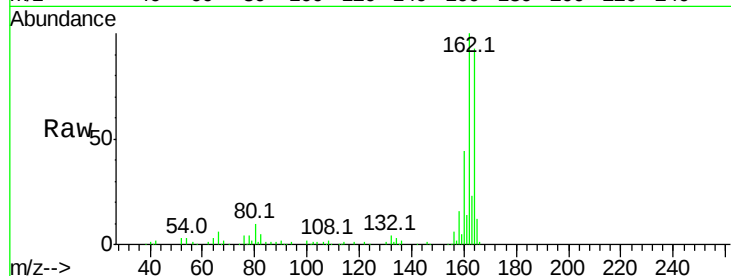




#56
2,4-Dinitrotoluene
Concen: 5.216 ng
RT: 15.36 min Scan# 2055
Delta R.T. -0.35 min
Lab File: BG032226.D
Acq: 23 Jan 2018 11:35

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#

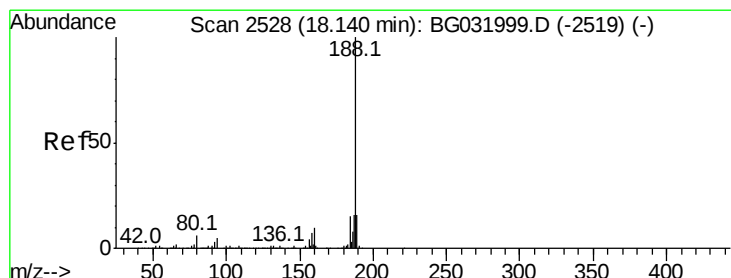
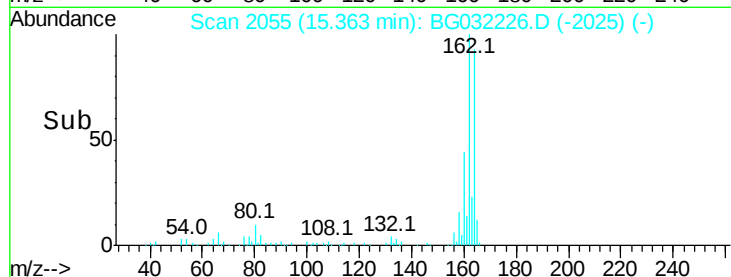
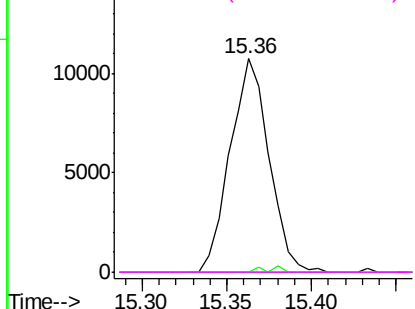


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

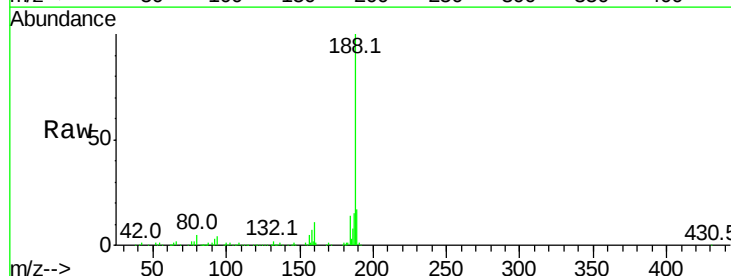
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.09 min Scan# 2520
Delta R.T. -0.02 min
Lab File: BG032226.D
Acq: 23 Jan 2018 11:35

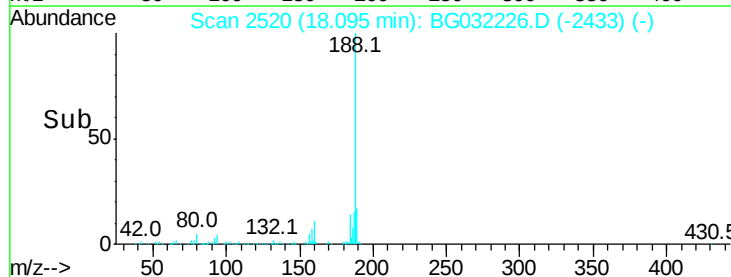
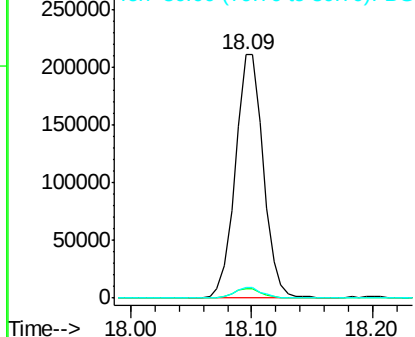
Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.0	6.9	10.3#
80	4.6	7.7	11.5#

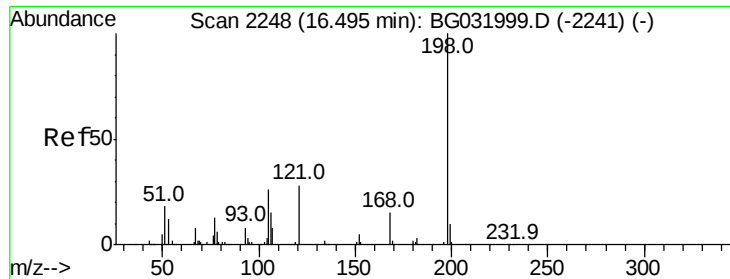


Abundance Ion 188.00 (187.70 to 188.70): E

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: 5.283 ng

RT: 16.83 min Scan# 2305

Delta R.T. 0.36 min

Lab File: BG032226.D

Acq: 23 Jan 2018 11:35

Instrument :

BNA_G

ClientSampleId :

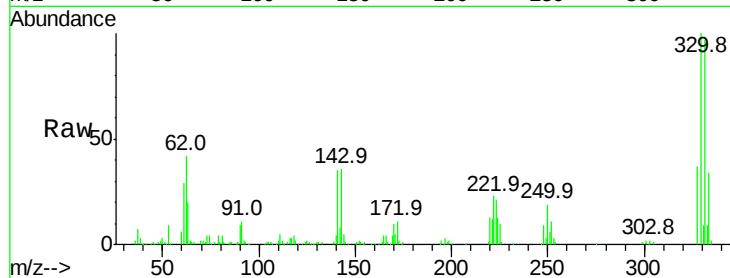
Tot Ion:198 Resp: 965

Ion Ratio Lower Upper

198 100

51 89.6 30.6 70.6#

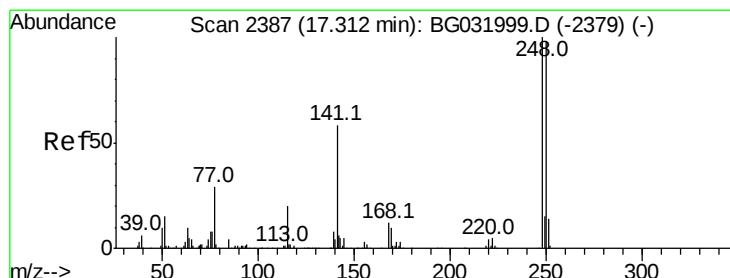
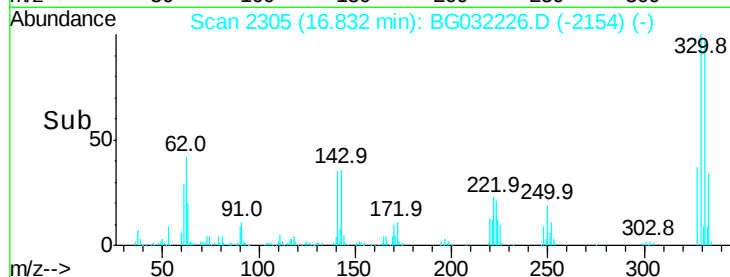
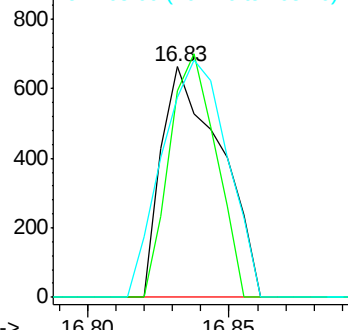
105 87.0 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.265 ng

RT: 16.84 min Scan# 2306

Delta R.T. -0.45 min

Lab File: BG032226.D

Acq: 23 Jan 2018 11:35

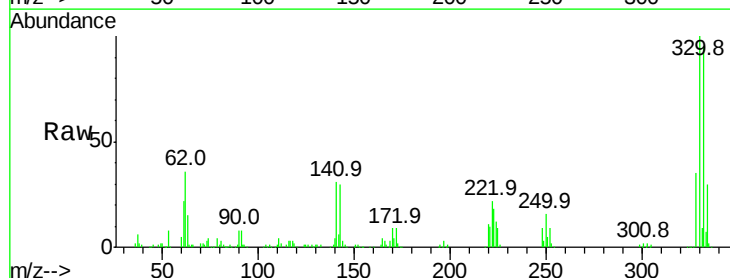
Tgt Ion:248 Resp: 20639

Ion Ratio Lower Upper

248 100

250 178.7 77.1 115.7#

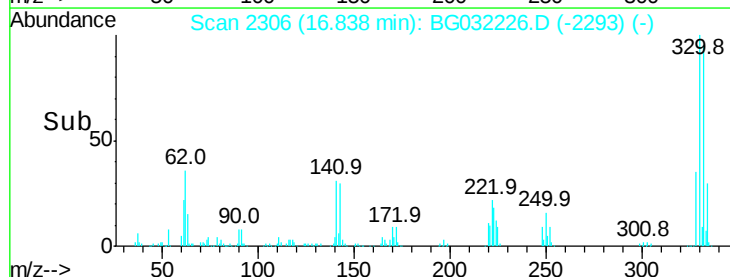
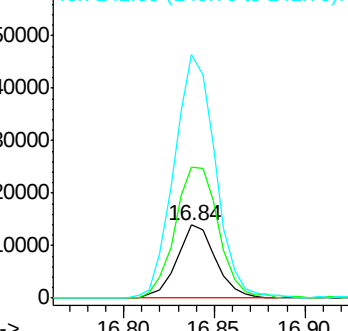
141 333.3 50.8 76.2#

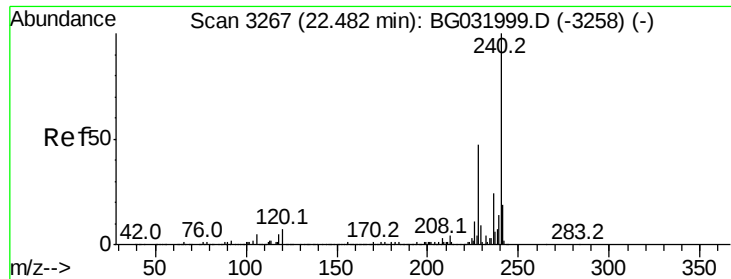


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrvsene-d12

Concen: 20.000 ng

RT: 22.43 min Scan# 3258

Delta R.T. -0.02 min

Lab File: BG032226.D

Acq: 23 Jan 2018 11:35

Instrument :

BNA_G

ClientSampleId :

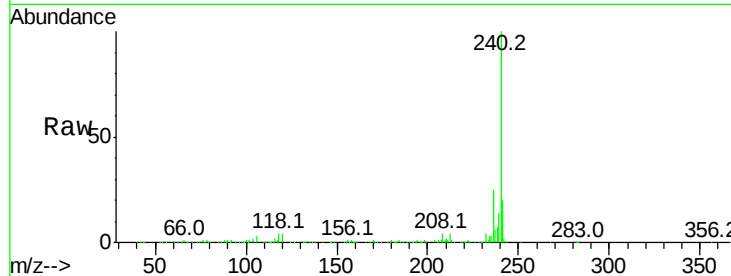
Tot Ion:240 Resp: 437486

Ion Ratio Lower Upper

240 100

120 4.0 6.8 10.2#

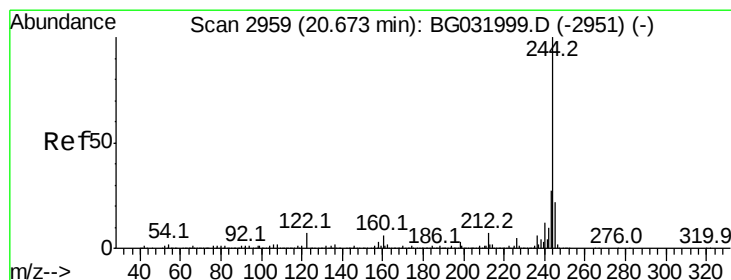
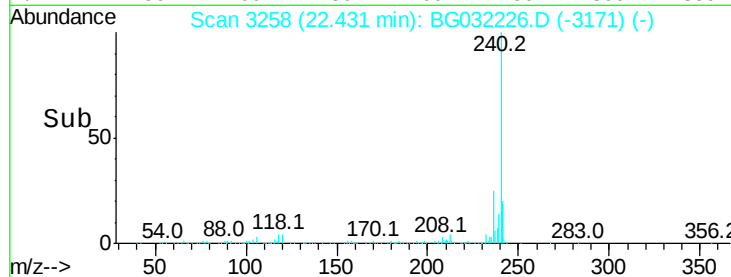
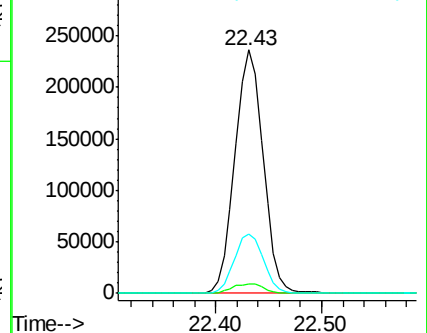
236 24.5 20.9 31.3



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: 77.636 ng

RT: 20.64 min Scan# 2953

Delta R.T. -0.01 min

Lab File: BG032226.D

Acq: 23 Jan 2018 11:35

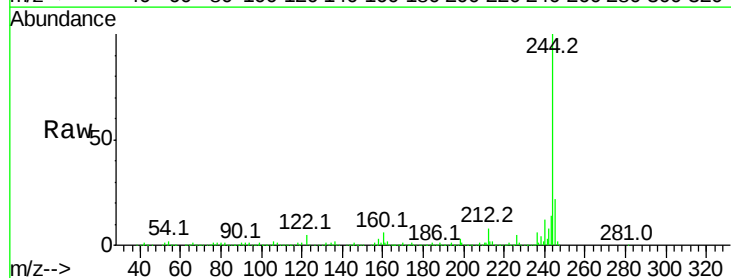
Tgt Ion:244 Resp: 1538227

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

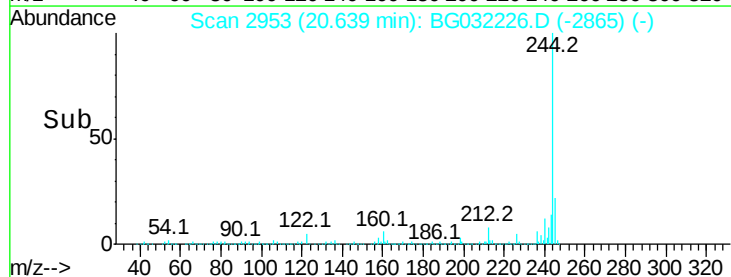
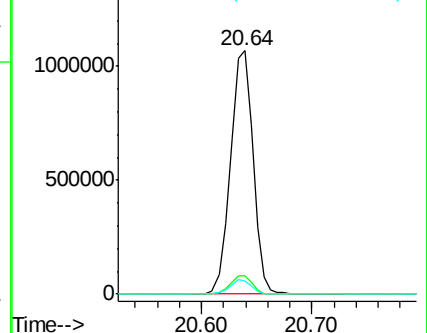
122 5.4 7.0 10.4#

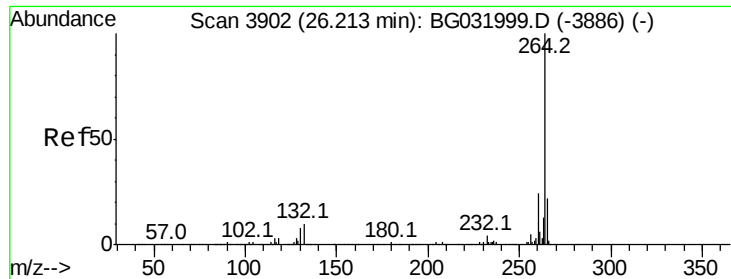


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

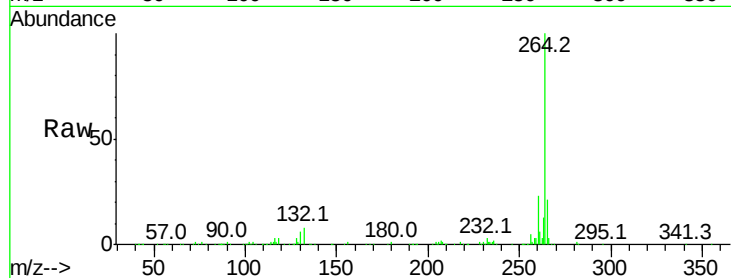




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.13 min Scan# 3887
 Delta R.T. -0.02 min
 Lab File: BG032226.D
 Acq: 23 Jan 2018 11:35

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:264 Resp: 457877
 Ion Ratio Lower Upper
 264 100
 260 22.9 17.4 26.0
 265 21.2 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

