

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010318\
 Data File : BG031895.D
 Acq On : 3 Jan 2018 17:52
 Operator : SJ/JU
 Sample : I7105-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 04 04:44:48 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 29 15:51:46 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.79	152	42618	20.00	ng	0.00
21) Naphthalene-d8	11.67	136	177682	20.00	ng	-0.01
38) Acenaphthene-d10	15.41	164	125372	20.00	ng	-0.01
63) Phenanthrene-d10	18.15	188	367085	20.00	ng	-0.01
75) Chrysene-d12	22.48	240	435082	20.00	ng	-0.02
86) Perylene-d12	26.21	264	448549	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.21	112	305944	130.75	ng	0.00
7) Phenol-d6	7.89	99	353163	116.25	ng	0.00
23) Nitrobenzene-d5	9.98	82	254187	108.03	ng	0.00
41) 2,4,6-Tribromophenol	16.89	330	349814	182.86	ng	0.00
44) 2-Fluorobiphenyl	14.05	172	916450	91.75	ng	0.00
78) Terphenyl-d14	20.68	244	2000013	105.02	ng	-0.01

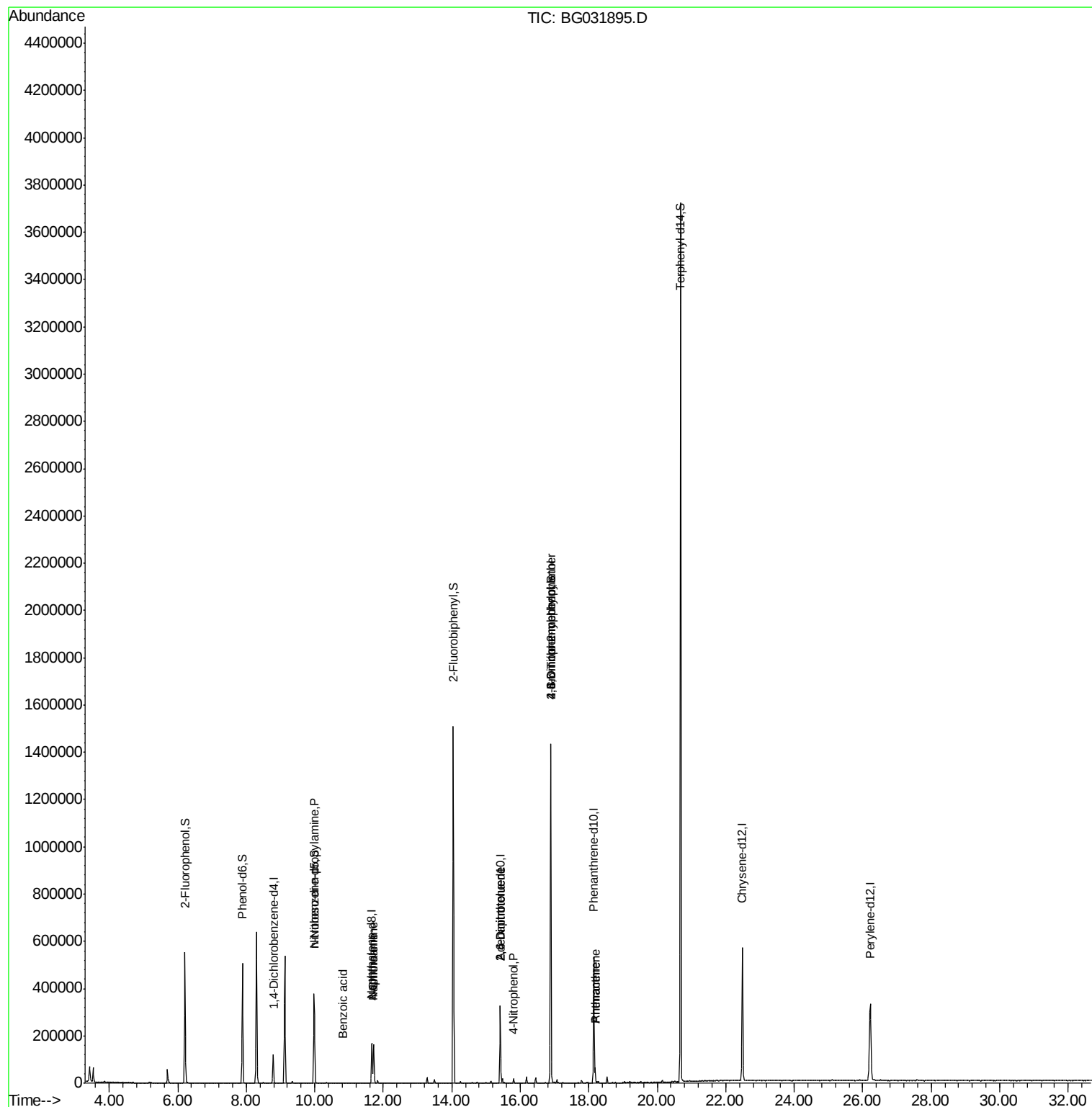
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.98	70	33021	15.916	ng	# 72
31) Naphthalene	11.72	128	154611	17.242	ng	# 99
32) Benzoic acid	10.81	122	122	6.752	ng	# 1
33) 4-Chloroaniline	11.72	127	21227	5.317	ng	# 34
50) 2,6-Dinitrotoluene	15.41	165	15861	7.806	ng	# 18
55) 4-Nitrophenol	15.81	139	4327	2.682	ng	# 1
56) 2,4-Dinitrotoluene	15.41	165	15861	6.071	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.89	198	710	8.635	ng	# 1
66) 4-Bromophenyl-phenylether	16.89	248	27881	5.252	ng	# 1
70) Phenanthrene	18.19	178	44999	2.166	ng	97
71) Anthracene	18.19	178	44999	2.147	ng	96

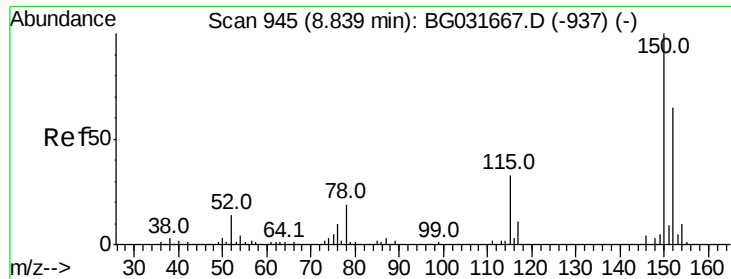
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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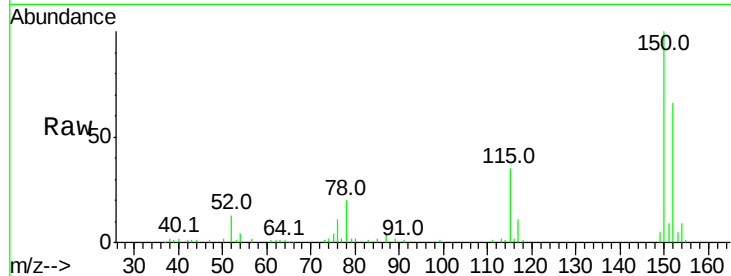


#1

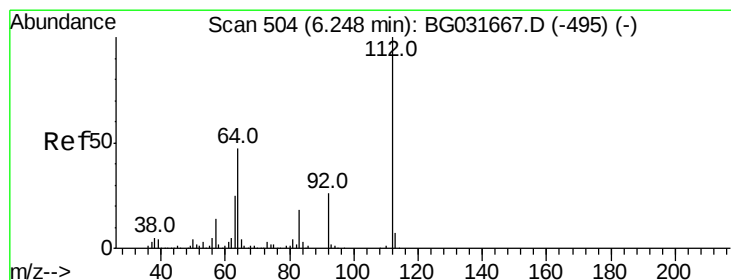
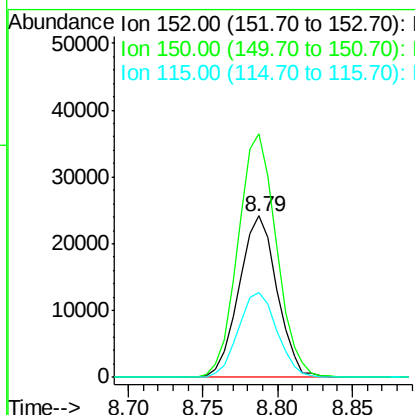
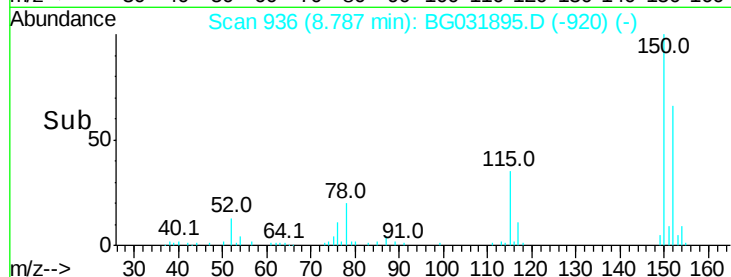
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.79 min Scan# 936
Delta R.T. -0.01 min
Lab File: BG031895.D
Acq: 3 Jan 2018 17:52

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 42618
Ion Ratio Lower Upper
152 100
150 150.9 126.6 189.8
115 52.5 53.0 79.4#



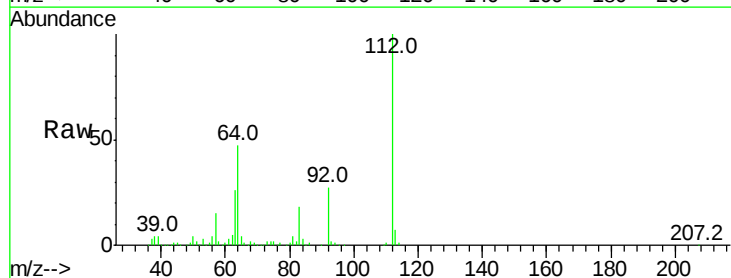
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



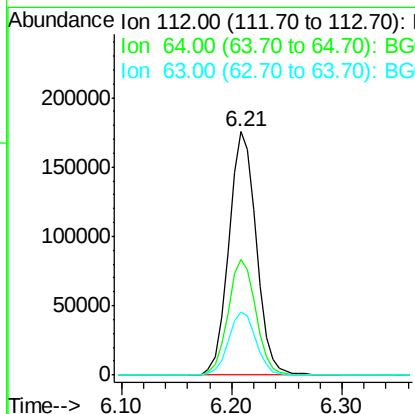
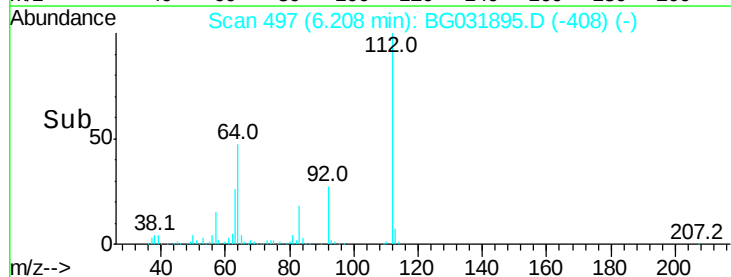
#5

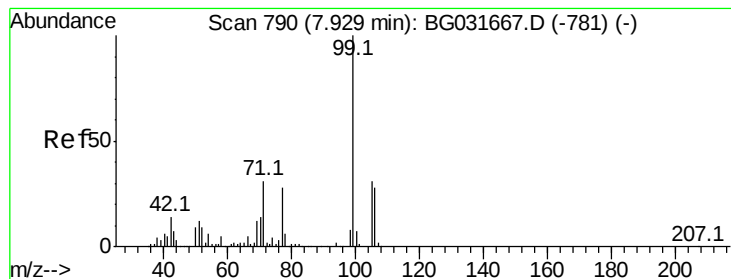
2-Fluorophenol
Concen: 130.753 ng
RT: 6.21 min Scan# 497
Delta R.T. -0.01 min
Lab File: BG031895.D
Acq: 3 Jan 2018 17:52

Tgt Ion:112 Resp: 305944
Ion Ratio Lower Upper
112 100
64 47.3 56.3 84.5#
63 25.7 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: 116.252 ng

RT: 7.89 min Scan# 783

Delta R.T. -0.01 min

Lab File: BG031895.D

Acq: 3 Jan 2018 17:52

Instrument :

BNA_G

ClientSampleId :

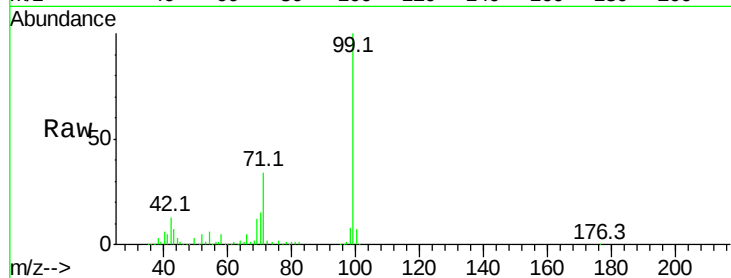
Tot Ion: 99 Resp: 353163

Ion Ratio Lower Upper

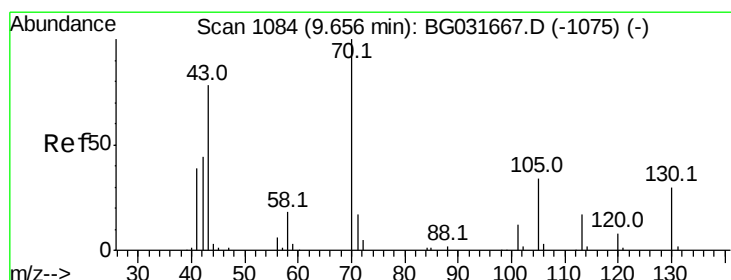
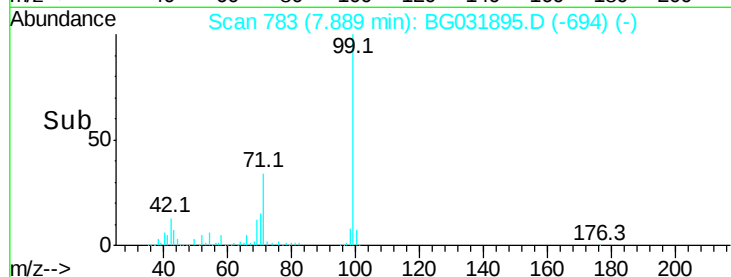
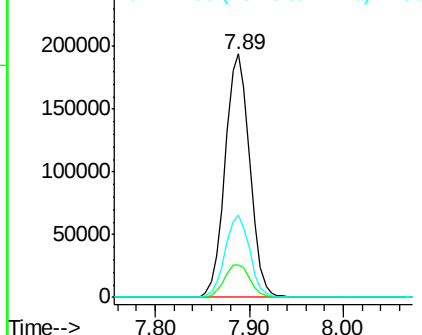
99 100

42 13.4 14.1 21.1#

71 34.1 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: 15.916 ng

RT: 9.98 min Scan# 1139

Delta R.T. 0.38 min

Lab File: BG031895.D

Acq: 3 Jan 2018 17:52

Tgt Ion: 70 Resp: 33021

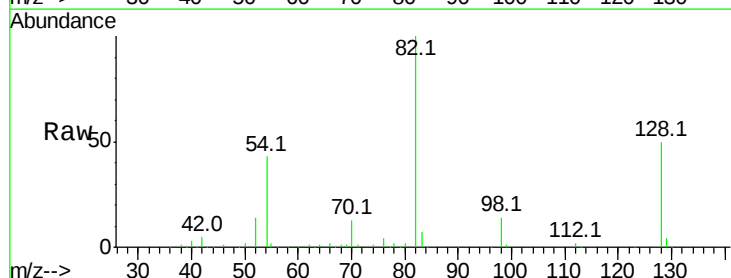
Ion Ratio Lower Upper

70 100

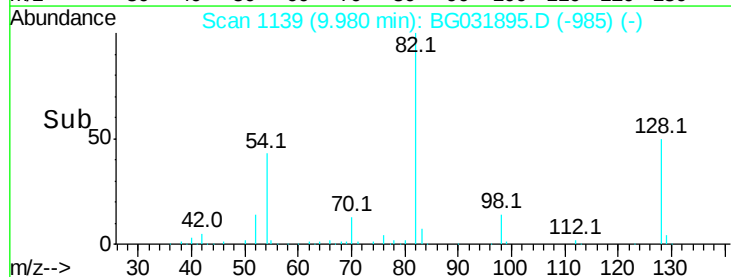
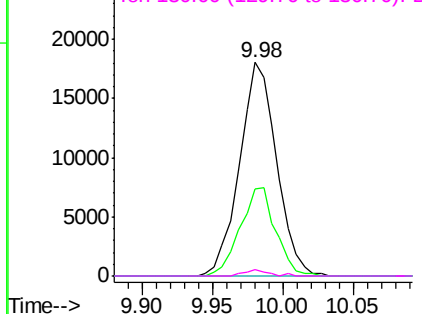
42 40.6 49.1 73.7#

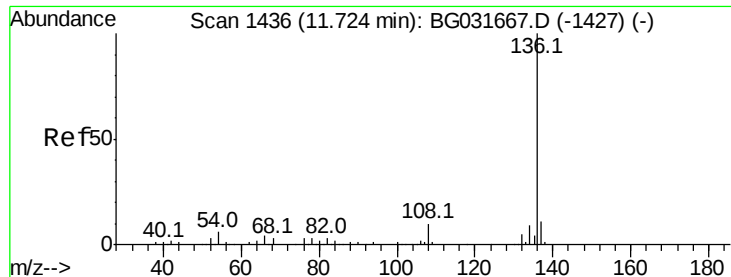
101 0.0 8.5 12.7#

130 2.8 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

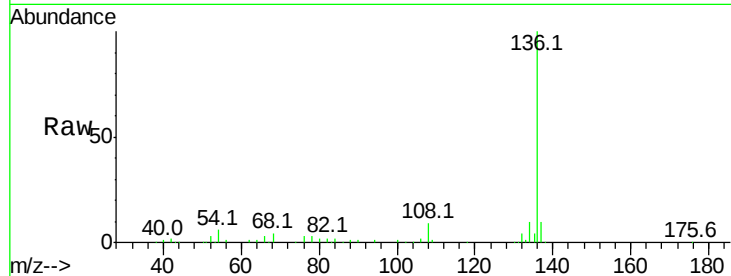




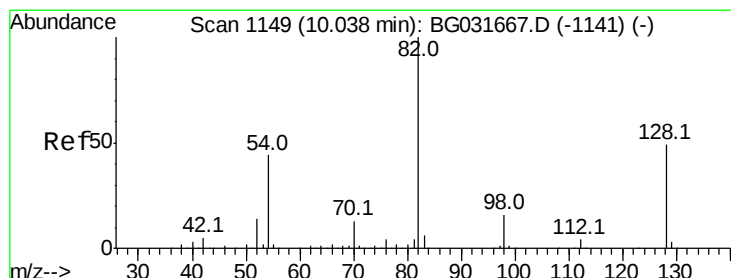
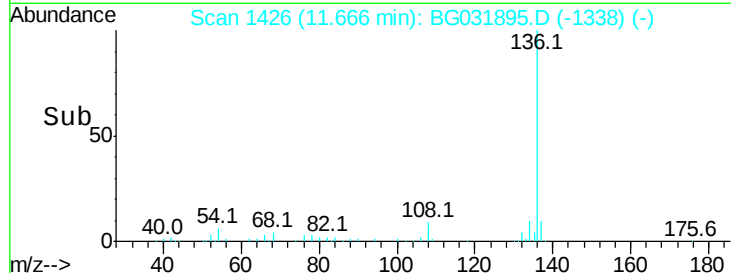
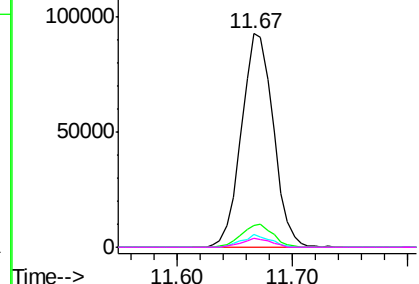
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.67 min Scan# 1426
Delta R.T. -0.01 min
Lab File: BG031895.D
Acq: 3 Jan 2018 17:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136 Resp: 177682
Ion Ratio Lower Upper
136 100
137 10.1 9.2 13.8
54 5.7 10.3 15.5#
68 3.9 4.5 6.7#

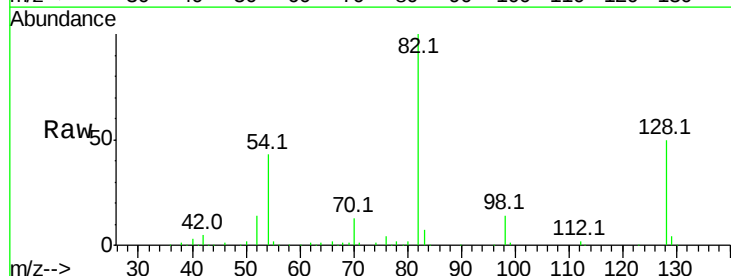


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

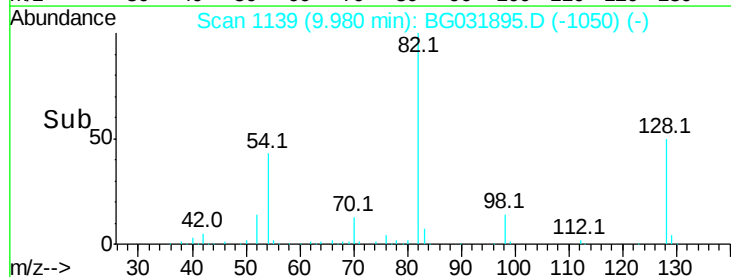
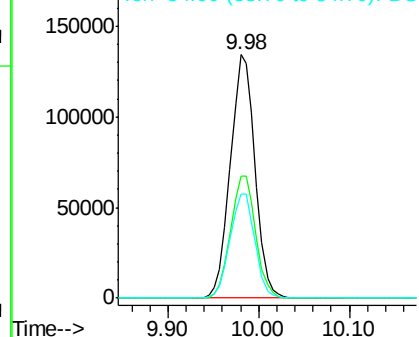


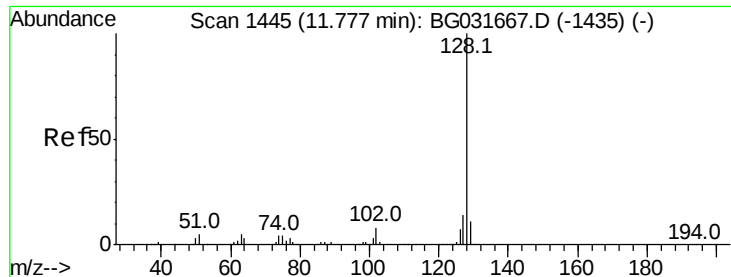
#23
Nitrobenzene-d5
Concen: 108.026 ng
RT: 9.98 min Scan# 1139
Delta R.T. -0.01 min
Lab File: BG031895.D
Acq: 3 Jan 2018 17:52

Tgt Ion: 82 Resp: 254187
Ion Ratio Lower Upper
82 100
128 50.1 29.7 44.5#
54 42.5 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

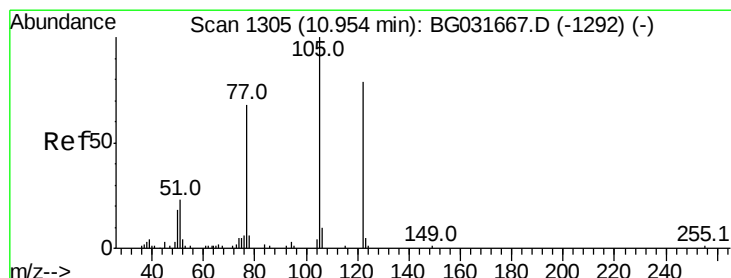
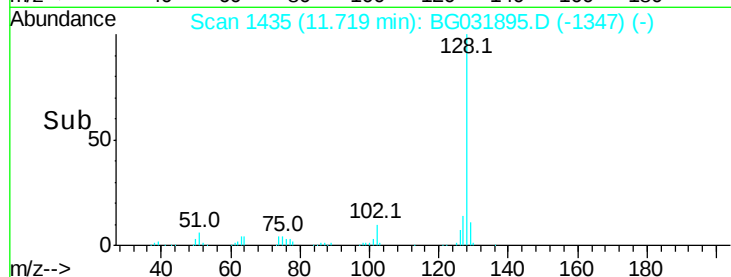
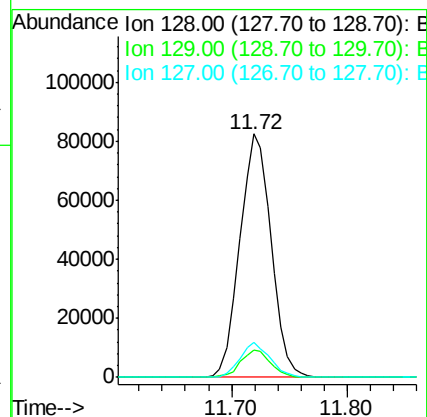
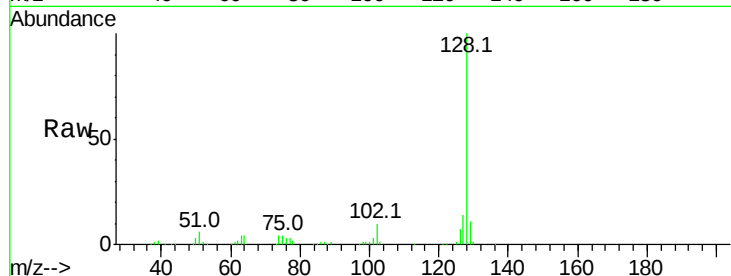




#31
Naphthalene
Concen: 17.242 ng
RT: 11.72 min Scan# 1435
Delta R.T. -0.01 min
Lab File: BG031895.D
Acq: 3 Jan 2018 17:52

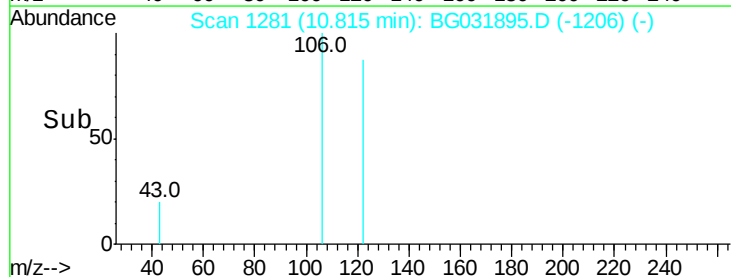
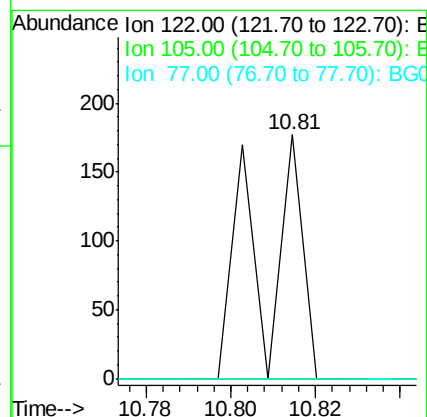
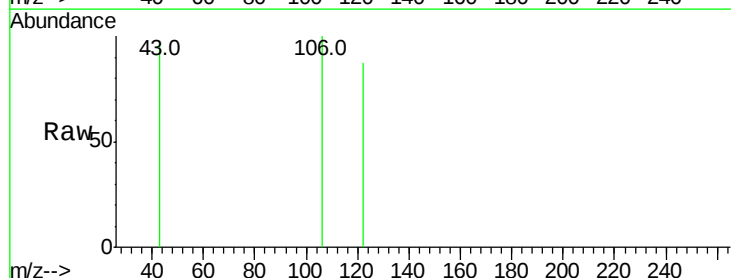
Instrument :
BNA_G
ClientSampled :

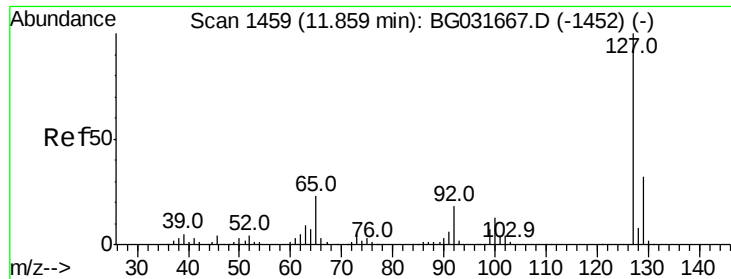
Tot Ion:128 Resp: 154611
Ion Ratio Lower Upper
128 100
129 11.1 8.6 12.8
127 14.3 11.6 17.4



#32
Benzoic acid
Concen: 6.752 ng
RT: 10.81 min Scan# 1281
Delta R.T. -0.09 min
Lab File: BG031895.D
Acq: 3 Jan 2018 17:52

Tgt Ion:122 Resp: 122
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 0.0 85.7 125.7#

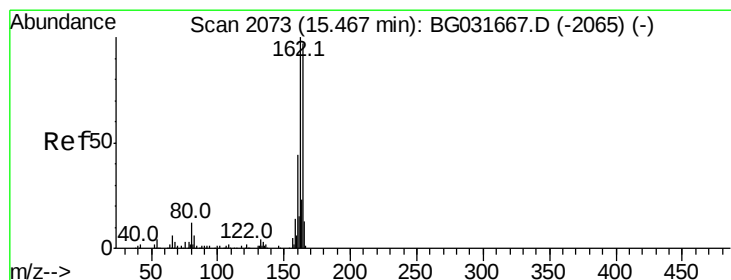
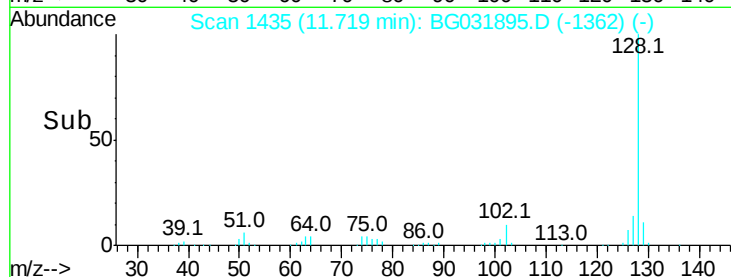
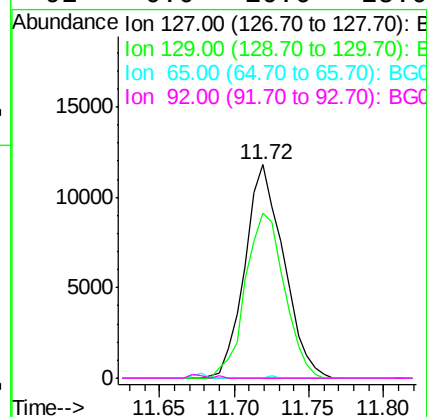
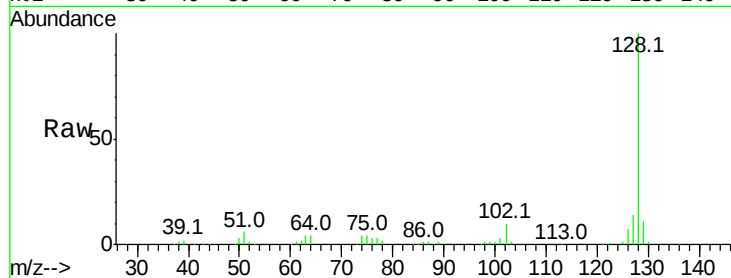




#33
4-Chloroaniline
Concen: 5.317 ng
RT: 11.72 min Scan# 1435
Delta R.T. -0.10 min
Lab File: BG031895.D
Acq: 3 Jan 2018 17:52

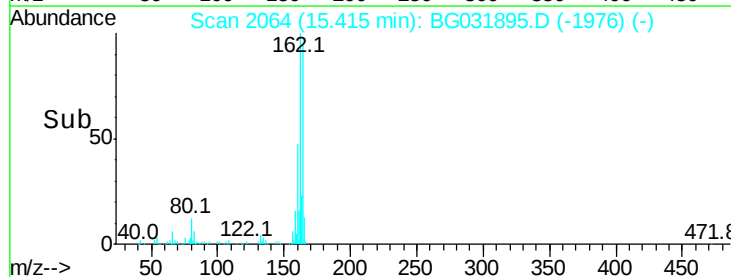
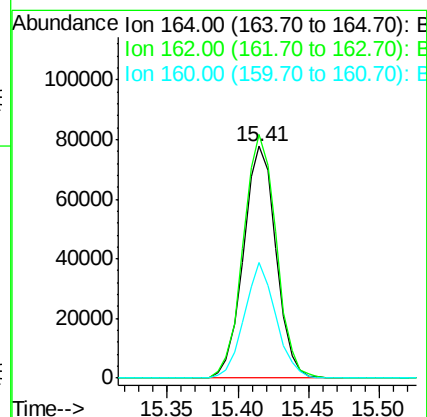
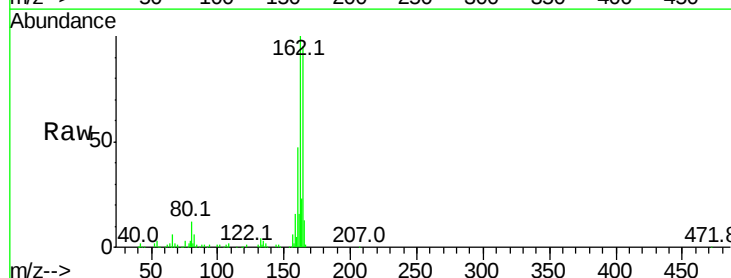
Instrument :
BNA_G
ClientSampleId :

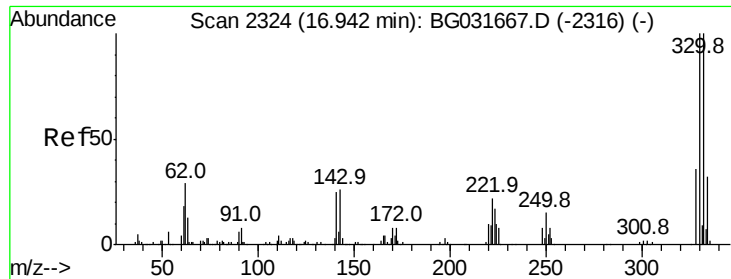
Tot Ion:127	Resp:	21227
Ion Ratio	Lower	Upper
127 100		
129 77.3	24.0	36.0#
65 0.0	27.0	40.4#
92 0.0	16.6	25.0#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.41 min Scan# 2064
Delta R.T. -0.01 min
Lab File: BG031895.D
Acq: 3 Jan 2018 17:52

Tgt	Ion:164	Resp:	125372
Ion	Ratio	Lower	Upper
164	100		
162	105.1	78.8	118.2
160	49.7	35.4	53.0

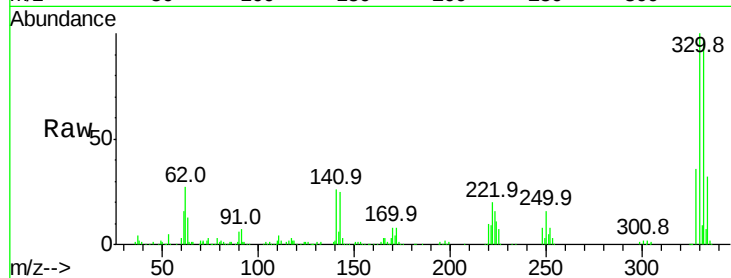




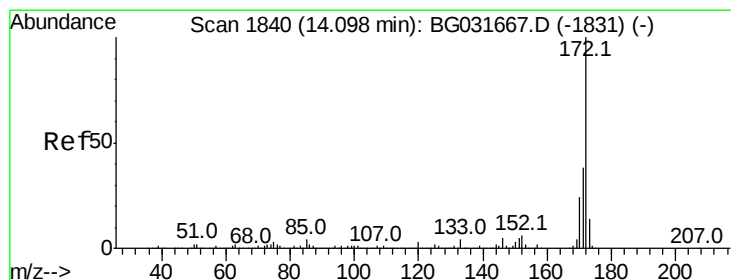
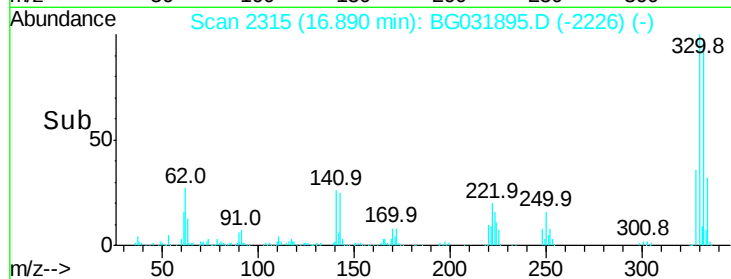
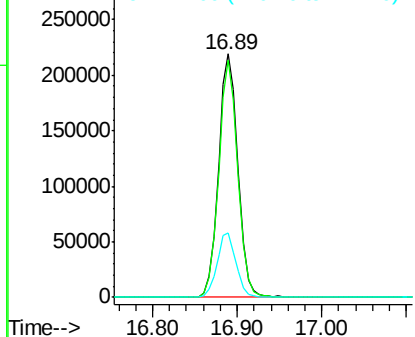
#41
 2,4,6-Tribromophenol
 Concen: 182.861 ng
 RT: 16.89 min Scan# 2315
 Delta R.T. -0.01 min
 Lab File: BG031895.D
 Acq: 3 Jan 2018 17:52

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.0	115.6
141	26.1	25.2	37.8

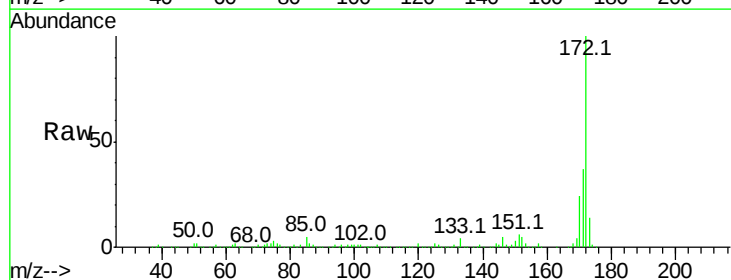


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

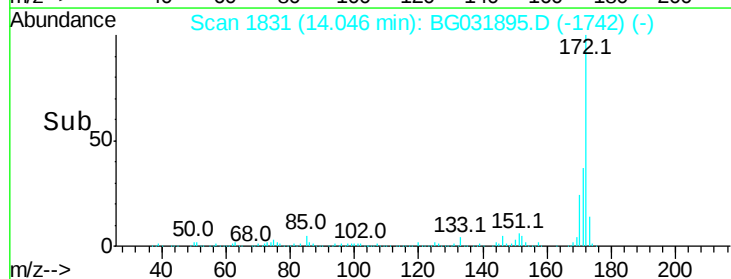
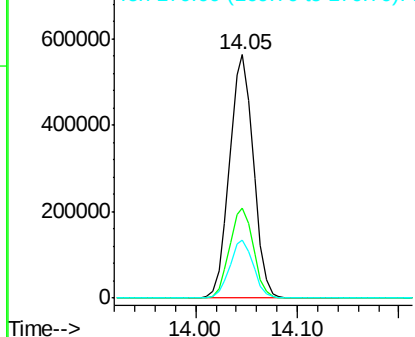


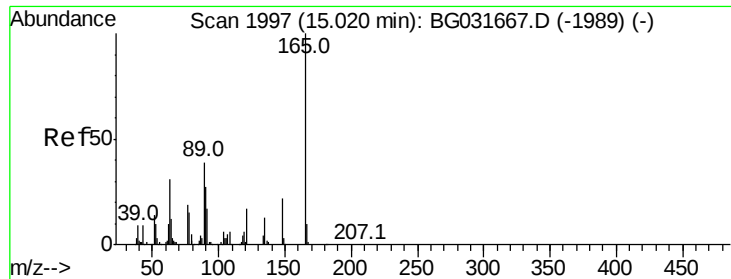
#44
 2-Fluorobiphenyl
 Concen: 91.748 ng
 RT: 14.05 min Scan# 1831
 Delta R.T. -0.01 min
 Lab File: BG031895.D
 Acq: 3 Jan 2018 17:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	30.0	45.0
170	23.6	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

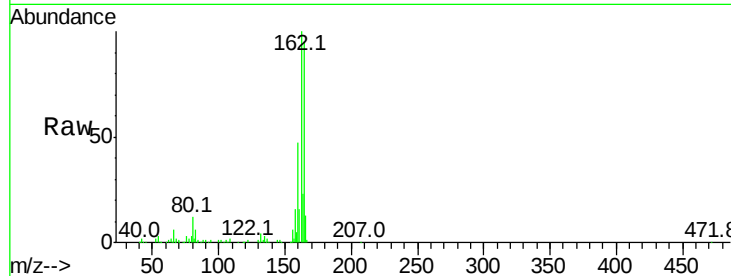




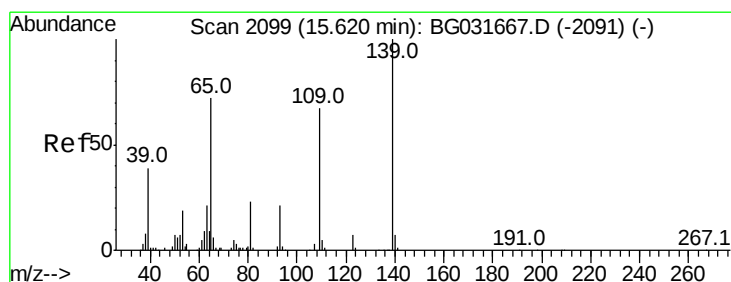
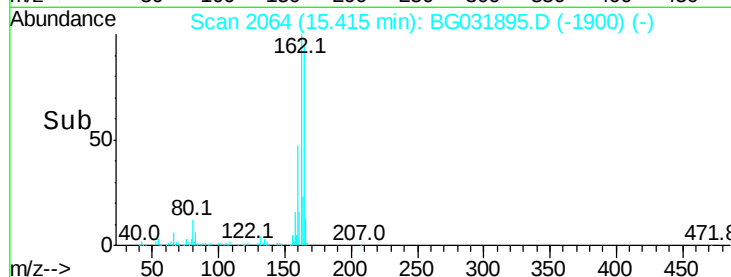
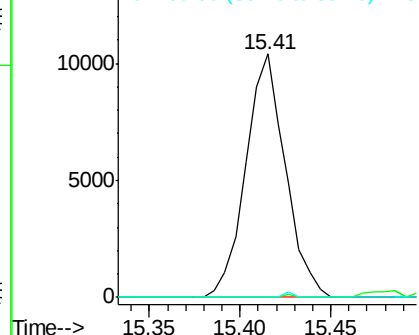
#50
2,6-Dinitrotoluene
Concen: 7.806 ng
RT: 15.41 min Scan# 2064
Delta R.T. 0.44 min
Lab File: BG031895.D
Acq: 3 Jan 2018 17:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 15861
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#

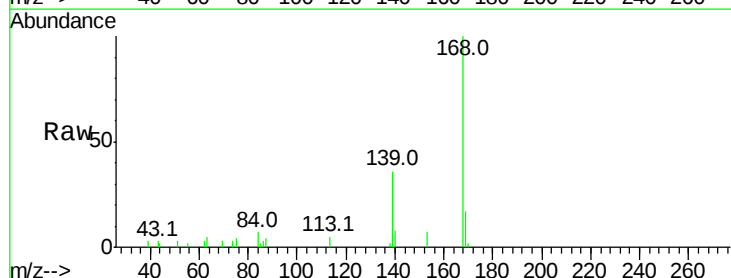


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

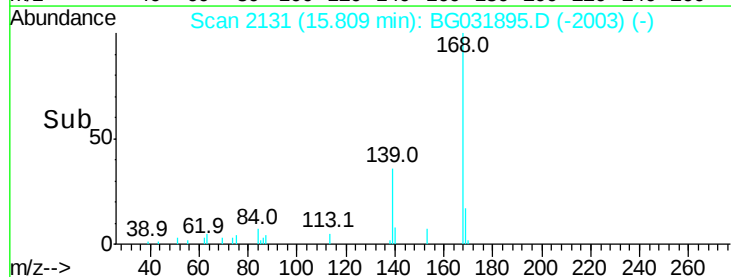
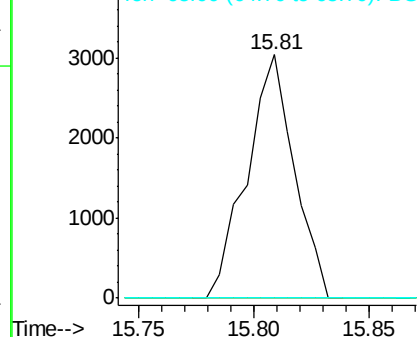


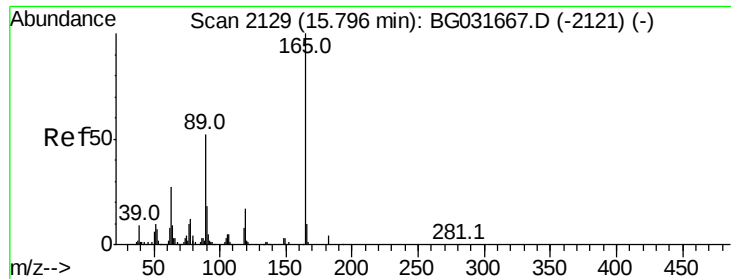
#55
4-Nitrophenol
Concen: 2.682 ng
RT: 15.81 min Scan# 2131
Delta R.T. 0.22 min
Lab File: BG031895.D
Acq: 3 Jan 2018 17:52

Tgt Ion:139 Resp: 4327
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: 6.071 ng

RT: 15.41 min Scan# 2064

Delta R.T. -0.34 min

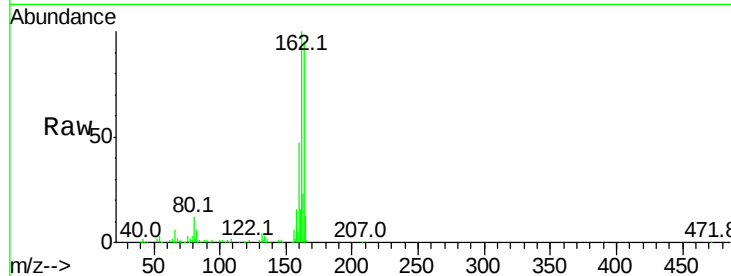
Lab File: BG031895.D

Acq: 3 Jan 2018 17:52

Instrument :

BNA_G

ClientSampleId :



Tot Ion:165 Resp: 15861

Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 0.0 66.9 100.3#

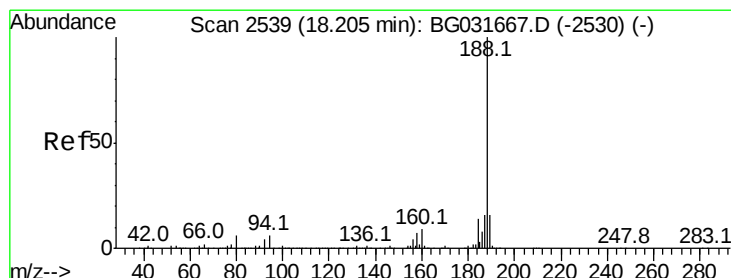
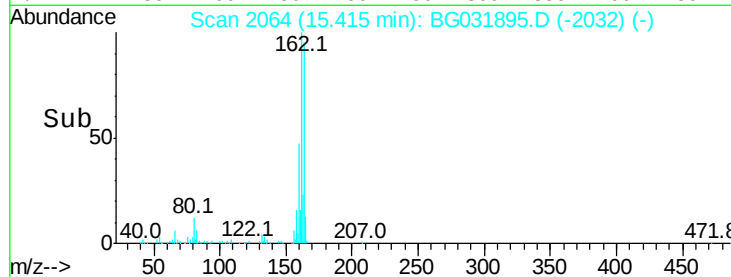
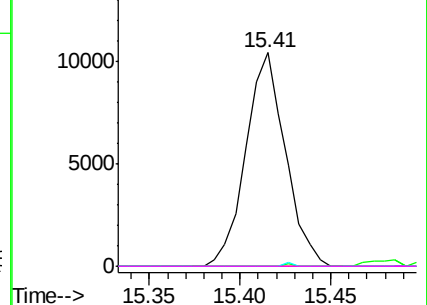
182 0.0 2.6 3.8#

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: 18.15 min Scan# 2529

Delta R.T. -0.01 min

Lab File: BG031895.D

Acq: 3 Jan 2018 17:52

Tgt Ion:188 Resp: 367085

Ion Ratio Lower Upper

188 100

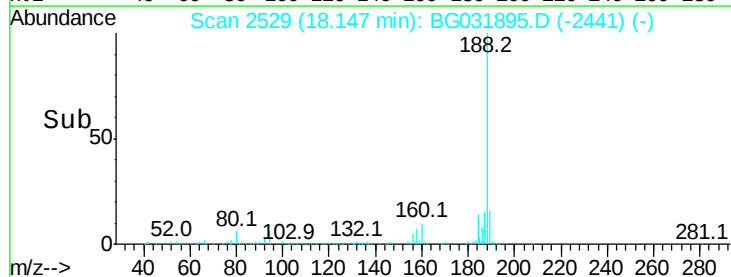
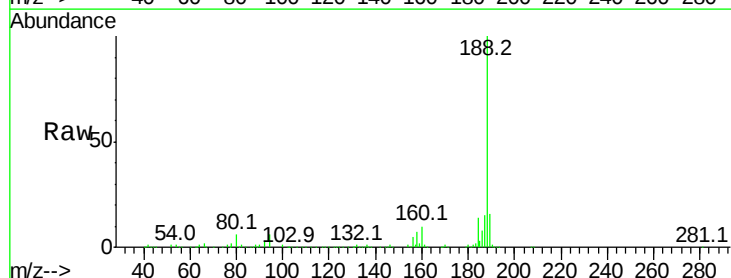
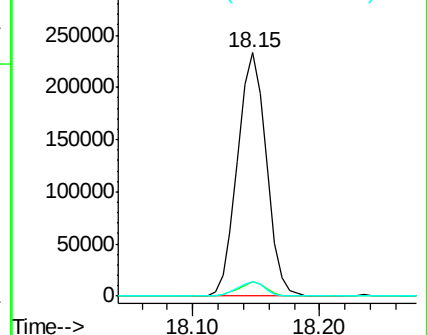
94 6.0 6.9 10.3#

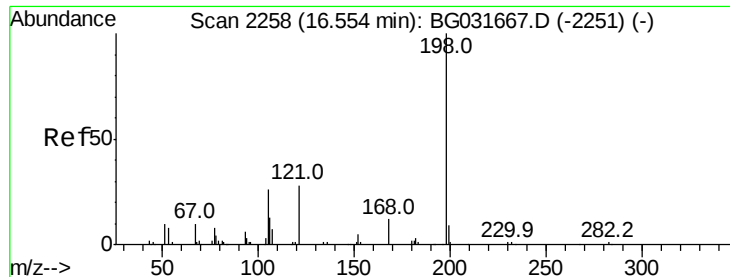
80 5.8 7.7 11.5#

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: 8.635 ng

RT: 16.89 min Scan# 2315

Delta R.T. 0.38 min

Lab File: BG031895.D

Acq: 3 Jan 2018 17:52

Instrument :

BNA_G

ClientSampled :

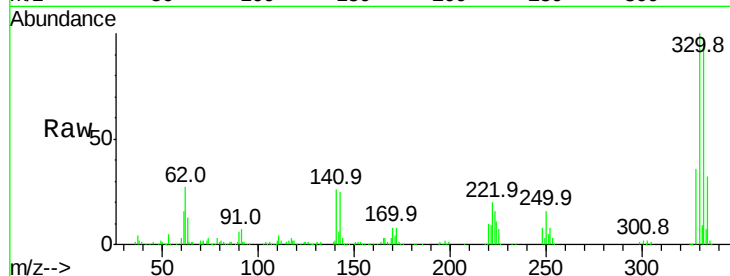
Tot Ion:198 Resp: 710

Ion Ratio Lower Upper

198 100

51 100.8 30.6 70.6#

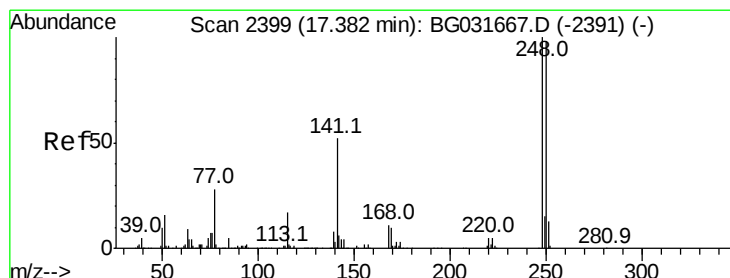
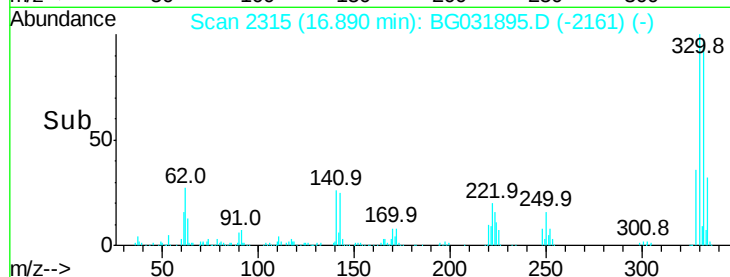
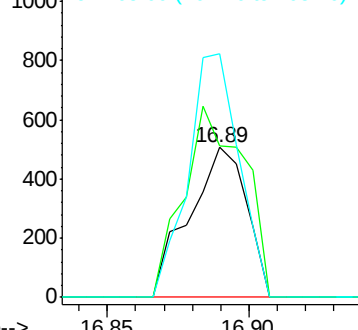
105 162.6 23.8 63.8#



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: 5.252 ng

RT: 16.89 min Scan# 2315

Delta R.T. -0.44 min

Lab File: BG031895.D

Acq: 3 Jan 2018 17:52

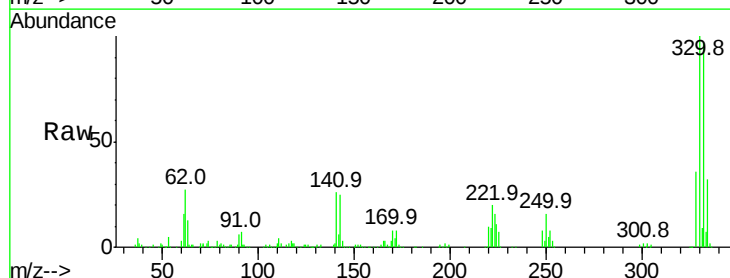
Tgt Ion:248 Resp: 27881

Ion Ratio Lower Upper

248 100

250 199.9 77.1 115.7#

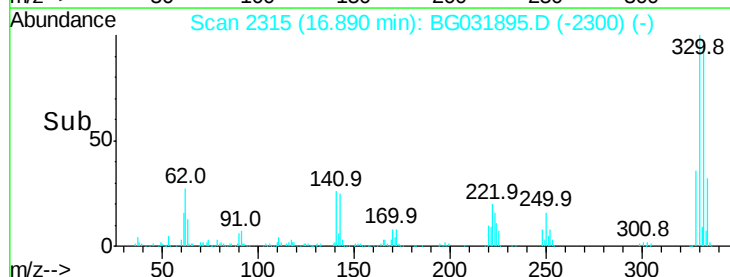
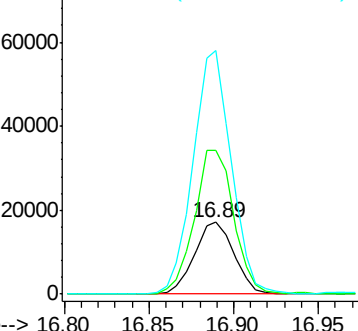
141 338.1 50.8 76.2#

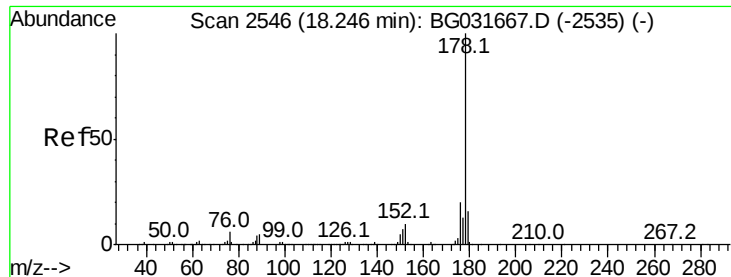


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 2.166 ng

RT: 18.19 min Scan# 2536

Delta R.T. -0.01 min

Lab File: BG031895.D

Acq: 3 Jan 2018 17:52

Instrument :

BNA_G

ClientSampleId :

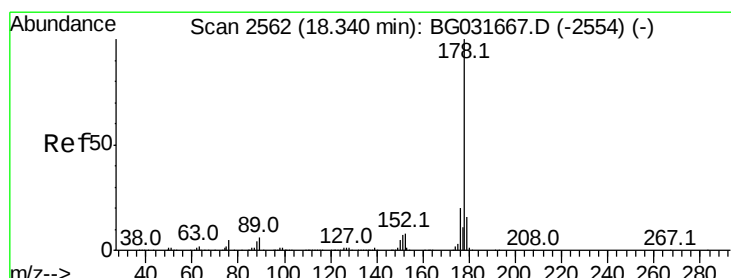
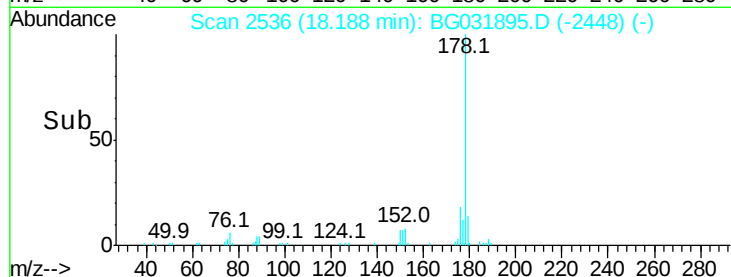
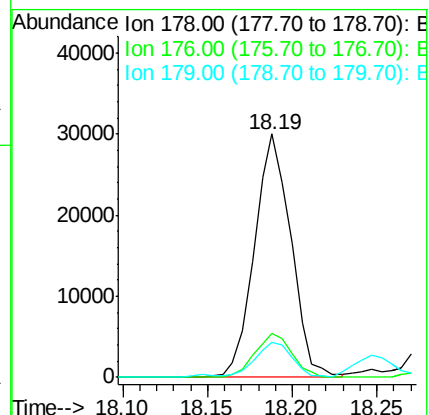
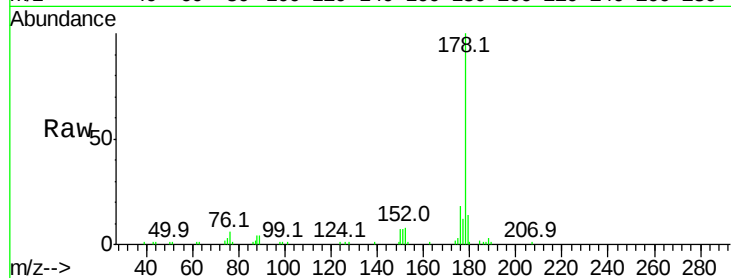
Tot Ion:178 Resp: 44999

Ion Ratio Lower Upper

178 100

176 18.2 15.7 23.5

179 14.2 12.5 18.7



#71

Anthracene

Concen: 2.147 ng

RT: 18.19 min Scan# 2536

Delta R.T. -0.10 min

Lab File: BG031895.D

Acq: 3 Jan 2018 17:52

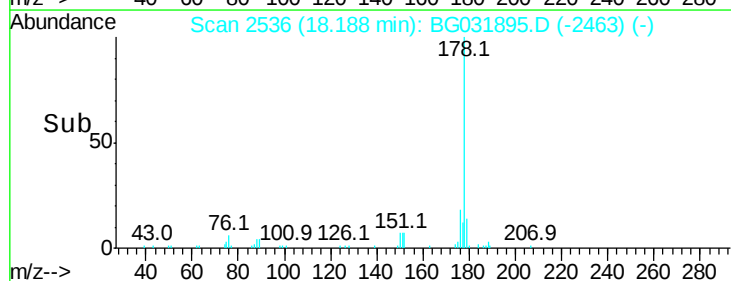
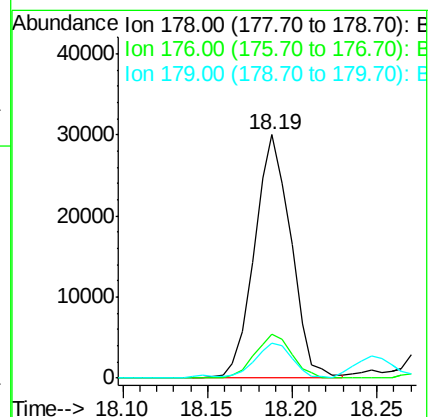
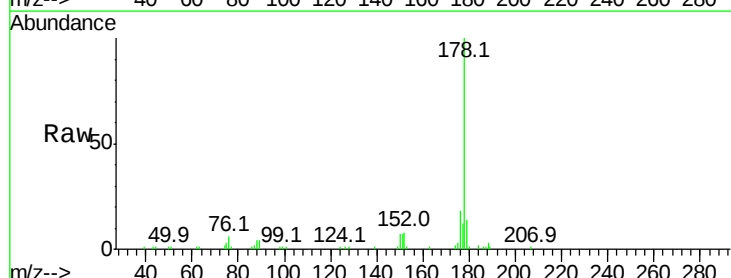
Tgt Ion:178 Resp: 44999

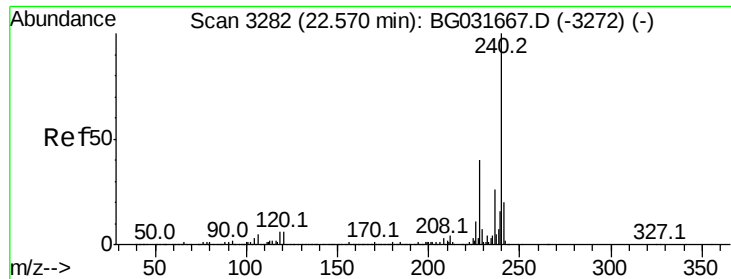
Ion Ratio Lower Upper

178 100

176 18.2 16.0 24.0

179 14.2 12.5 18.7





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.48 min Scan# 3267

Delta R.T. -0.02 min

Lab File: BG031895.D

Acq: 3 Jan 2018 17:52

Instrument :

BNA_G

ClientSampleId :

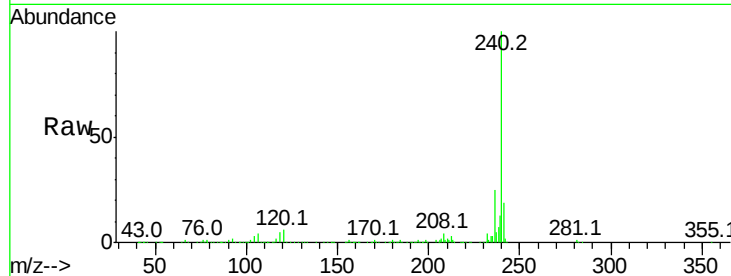
Tot Ion:240 Resp: 435082

Ion Ratio Lower Upper

240 100

120 5.9 6.8 10.2#

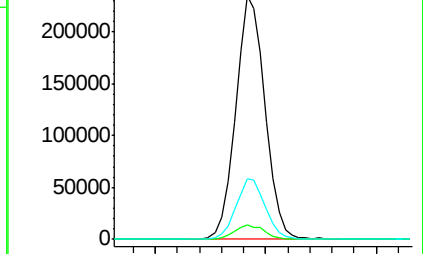
236 25.0 20.9 31.3



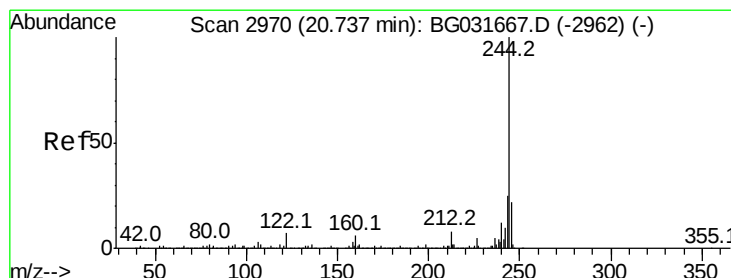
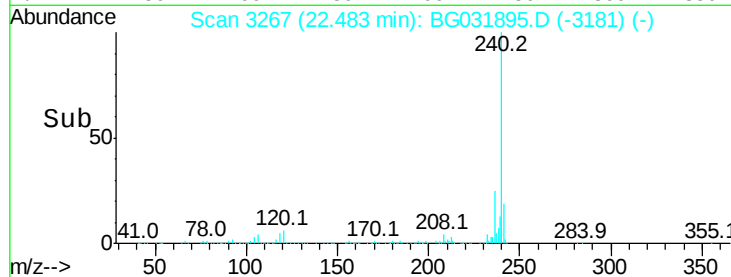
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#78

Terphenyl-d14

Concen: 105.022 ng

RT: 20.68 min Scan# 2960

Delta R.T. -0.01 min

Lab File: BG031895.D

Acq: 3 Jan 2018 17:52

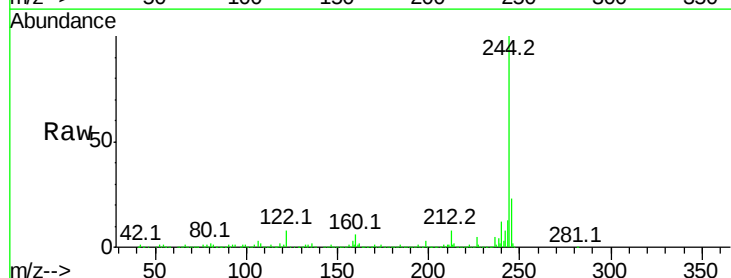
Tgt Ion:244 Resp: 2000013

Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.8

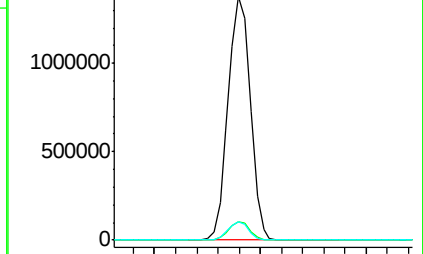
122 7.6 7.0 10.4



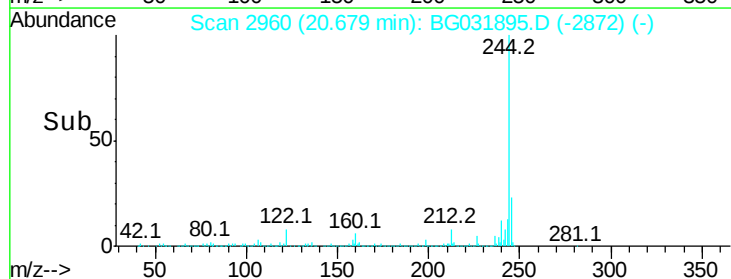
Abundance Ion 244.00 (243.70 to 244.70): E

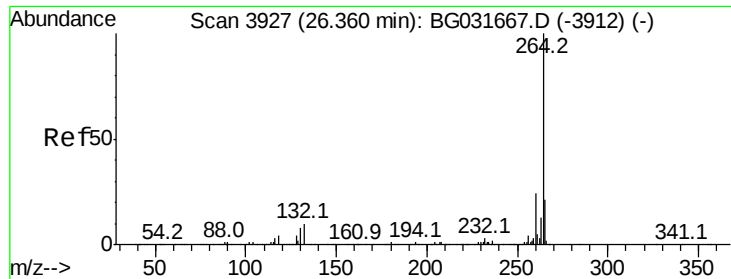
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->

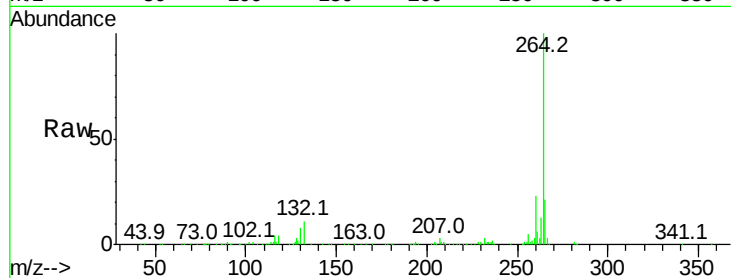




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.21 min Scan# 3902
 Delta R.T. -0.04 min
 Lab File: BG031895.D
 Acq: 3 Jan 2018 17:52

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	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

