

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032618\
 Data File : BG033336.D
 Acq On : 26 Mar 2018 19:18
 Operator : SJ/JU
 Sample : J2053-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 27 07:47:12 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 15:11:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	44025	20.00	ng	-0.03
21) Naphthalene-d8	11.75	136	184854	20.00	ng	-0.03
38) Acenaphthene-d10	15.48	164	146189	20.00	ng	-0.03
63) Phenanthrene-d10	18.21	188	370029	20.00	ng	-0.03
75) Chrysene-d12	22.56	240	371529	20.00	ng	-0.04
86) Perylene-d12	26.32	264	418871	20.00	ng	-0.07

System Monitoring Compounds						
5) 2-Fluorophenol	6.29	112	185633	79.07	ng	-0.02
7) Phenol-d6	7.98	99	168790	41.84	ng	-0.02
23) Nitrobenzene-d5	10.07	82	391852	97.39	ng	-0.03
41) 2,4,6-Tribromophenol	16.96	330	343916	157.30	ng	-0.03
44) 2-Fluorobiphenyl	14.12	172	1033160	102.03	ng	-0.02
78) Terphenyl-d14	20.73	244	1680464	96.73	ng	-0.03

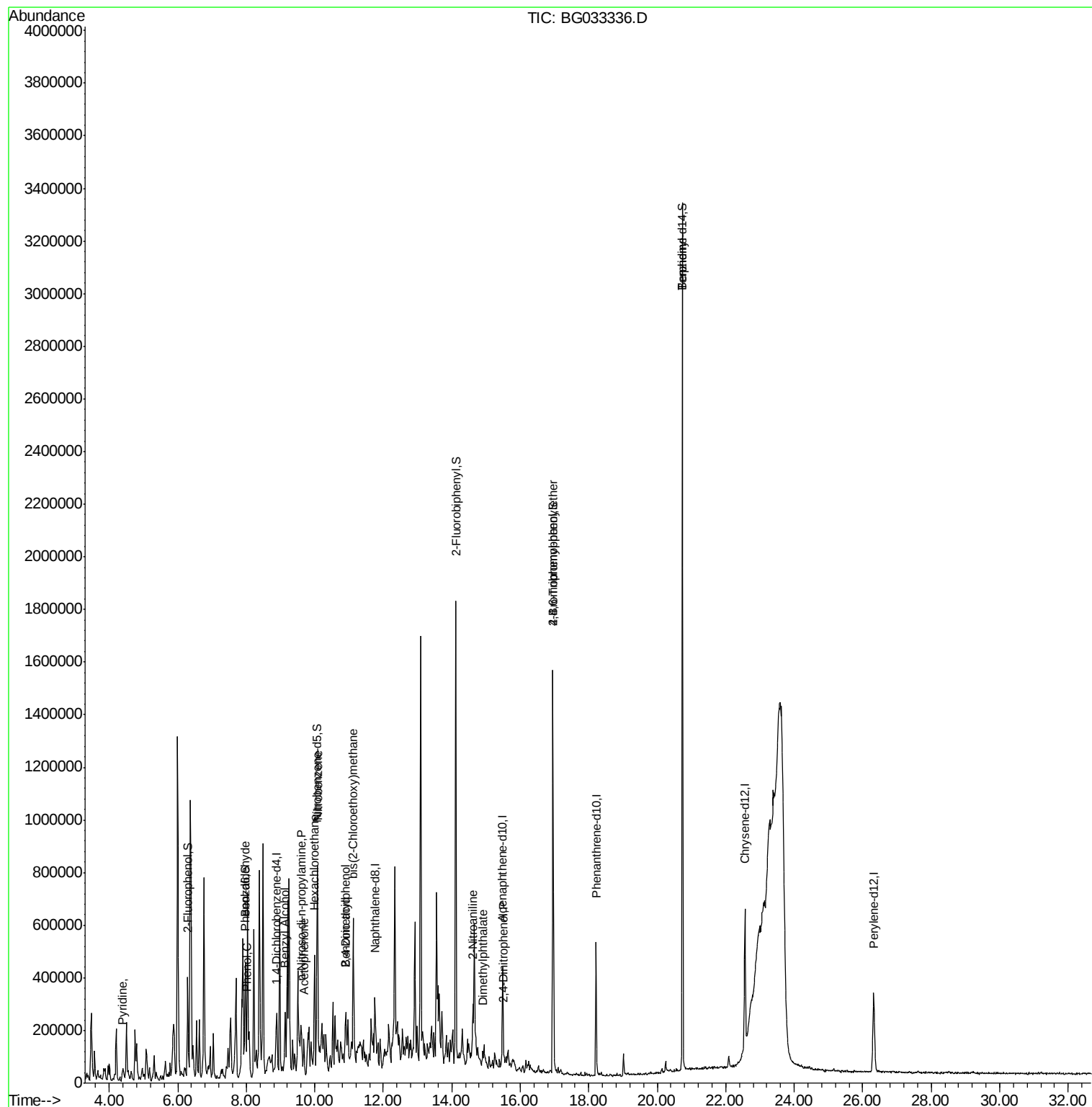
Target Compounds				Qvalue		
3) Pyridine	4.39	79	9334	2.832	ng	# 38
9) Benzaldehyde	7.96	77	23220	9.057	ng	# 1
10) Phenol	8.01	94	8713	2.188	ng	# 24
15) Benzyl Alcohol	9.14	79	8636	2.719	ng	# 53
18) Hexachloroethane	10.00	117	59838	44.116	ng	# 1
19) n-Nitroso-di-n-propylamine	9.60	70	6647	2.249	ng	# 71
22) Acetophenone	9.68	105	87373	17.252	ng	# 55
24) Nitrobenzene	10.09	77	17991	4.178	ng	# 14
27) 2,4-Dimethylphenol	10.90	122	26070	11.007	ng	# 81
28) bis(2-Chloroethoxy)methane	11.13	93	12534	3.217	ng	# 1
32) Benzoic acid	10.90	122	27859	12.653	ng	# 46
47) 2-Nitroaniline	14.63	65	11067	3.412	ng	# 27
49) Dimethylphthalate	14.91	163	27055	2.127	ng	# 89
53) 2,4-Dinitrophenol	15.51	184	61	7.684	ng	# 1
66) 4-Bromophenyl-phenylether	16.96	248	26530	6.105	ng	# 1
76) Benzidine	20.73	184	27832	2.762	ng	# 90

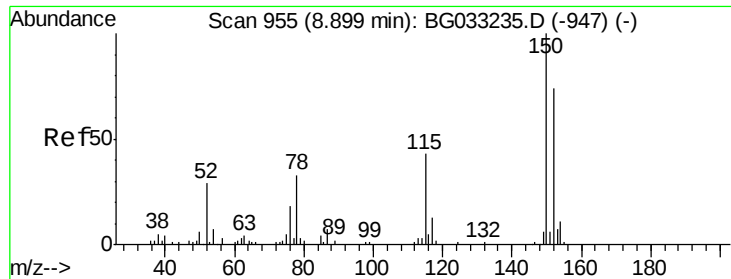
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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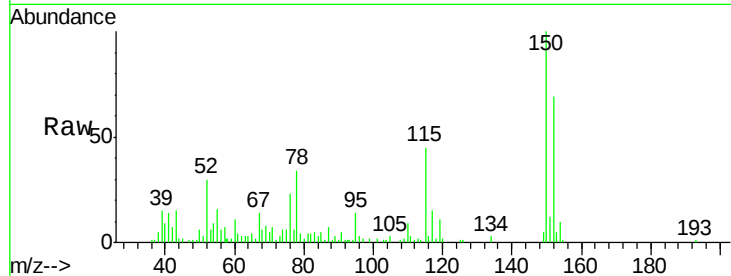


#1

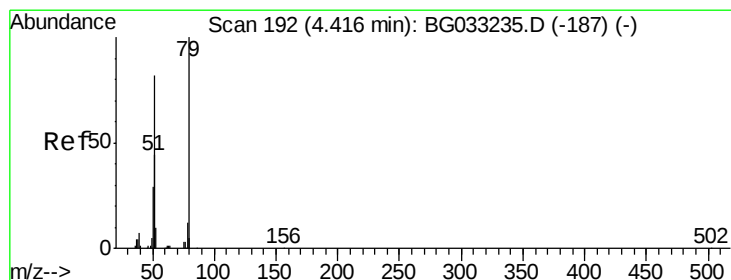
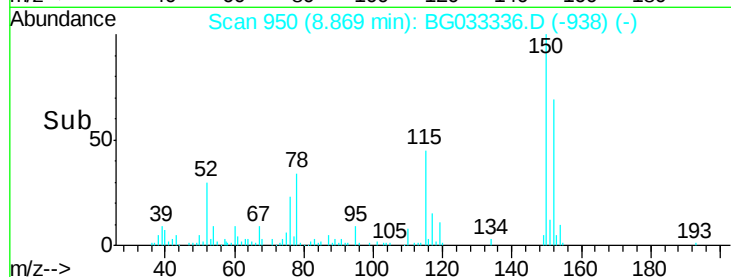
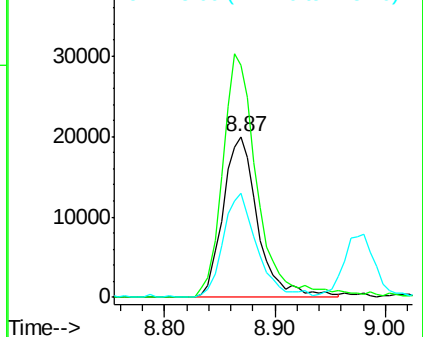
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.87 min Scan# 950
Delta R.T. -0.03 min
Lab File: BG033336.D
Acq: 26 Mar 2018 19:18

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 44025
Ion Ratio Lower Upper
152 100
150 144.0 126.6 189.8
115 64.8 53.0 79.4



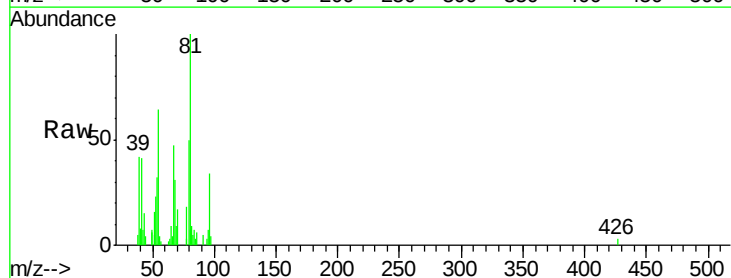
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



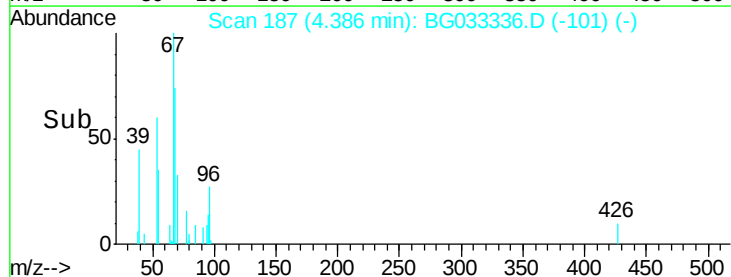
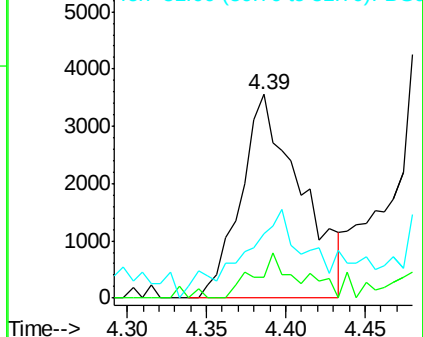
#3

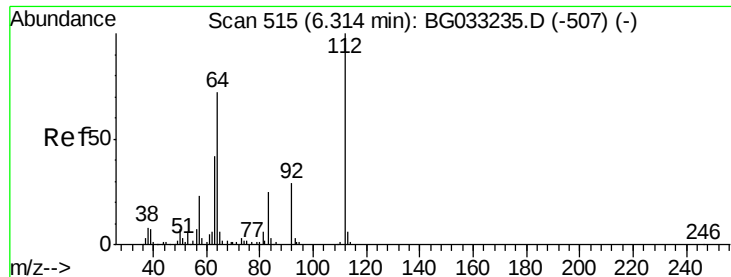
Pyridine
Concen: 2.832 ng
RT: 4.39 min Scan# 187
Delta R.T. -0.03 min
Lab File: BG033336.D
Acq: 26 Mar 2018 19:18

Tgt Ion: 79 Resp: 9334
Ion Ratio Lower Upper
79 100
52 10.0 69.9 104.9#
51 31.6 34.0 51.0#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 52.00 (51.70 to 52.70): BGC
Ion 51.00 (50.70 to 51.70): BGC





#5

2-Fluorophenol

Concen: 79.065 ng

RT: 6.29 min Scan# 511

Delta R.T. -0.02 min

Lab File: BG033336.D

Acq: 26 Mar 2018 19:18

Instrument :

BNA_G

ClientSampleId :

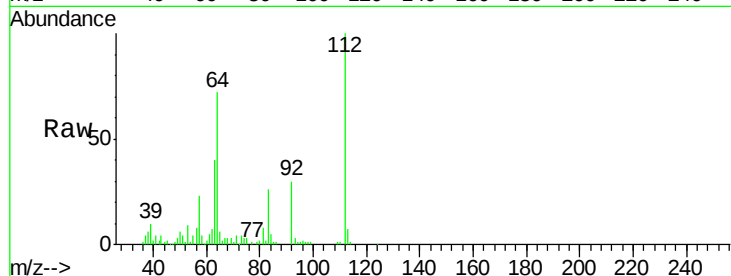
Tot Ion:112 Resp: 185633

Ion Ratio Lower Upper

112 100

64 72.0 56.3 84.5

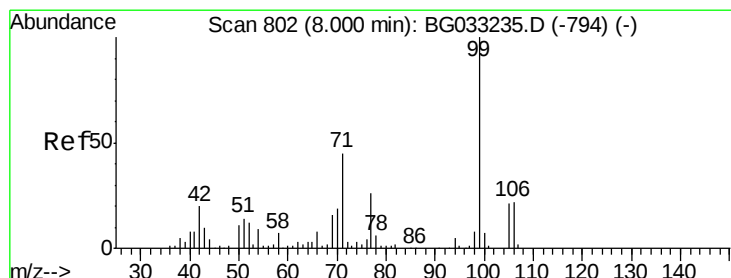
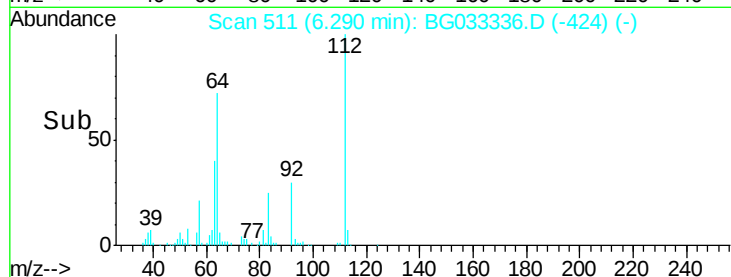
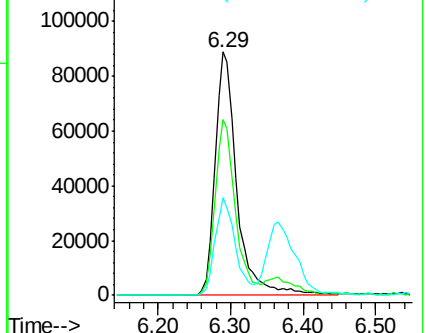
63 40.0 30.1 45.1



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: 41.841 ng

RT: 7.98 min Scan# 799

Delta R.T. -0.02 min

Lab File: BG033336.D

Acq: 26 Mar 2018 19:18

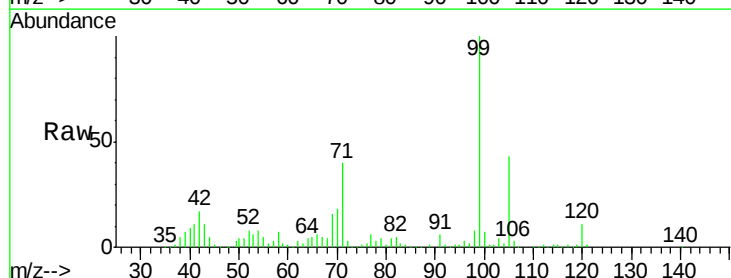
Tgt Ion: 99 Resp: 168790

Ion Ratio Lower Upper

99 100

42 17.2 14.1 21.1

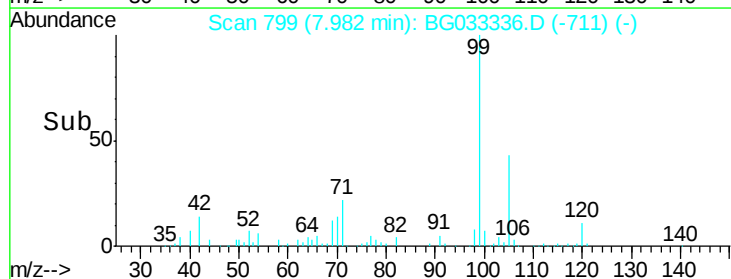
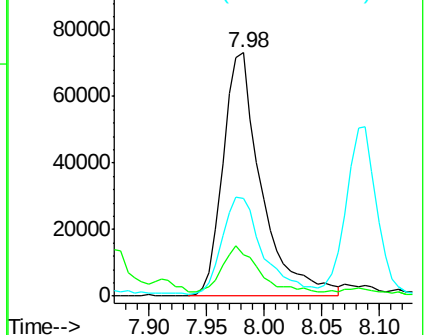
71 40.3 26.1 39.1#

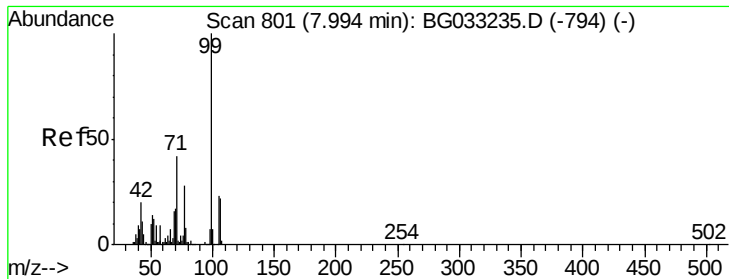


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#9

Benzaldehyde

Concen: 9.057 ng

RT: 7.96 min Scan# 796

Delta R.T. -0.03 min

Lab File: BG033336.D

Acq: 26 Mar 2018 19:18

Instrument :

BNA_G

ClientSampled :

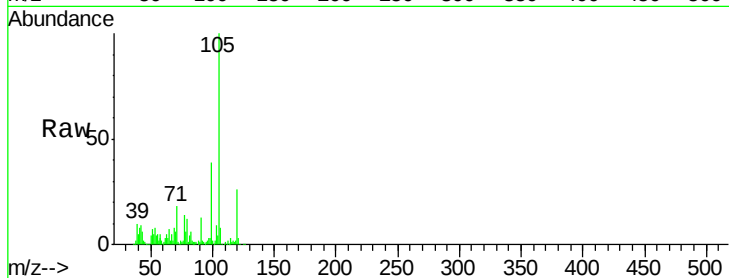
Tot Ion: 77 Resp: 23220

Ion Ratio Lower Upper

77 100

105 713.7 71.3 111.3#

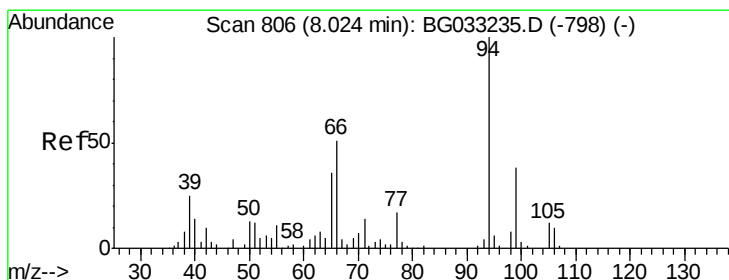
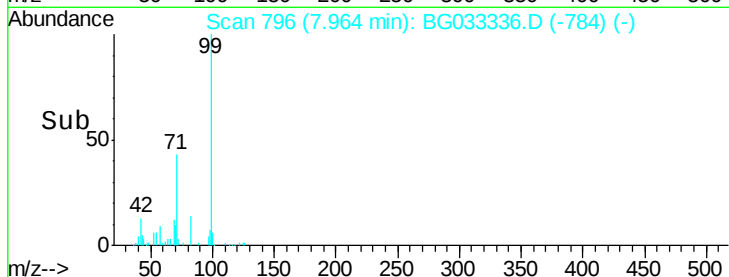
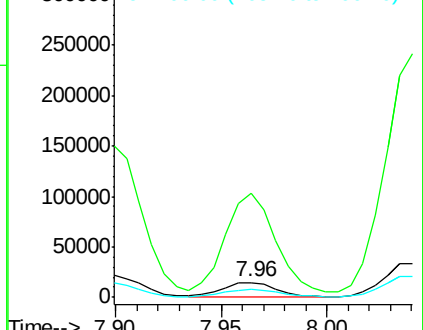
106 56.2 64.2 104.2#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 2.188 ng

RT: 8.01 min Scan# 804

Delta R.T. -0.01 min

Lab File: BG033336.D

Acq: 26 Mar 2018 19:18

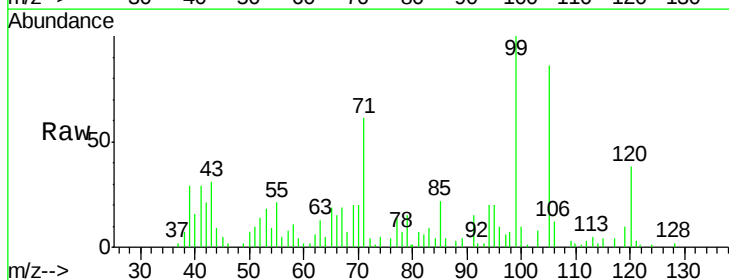
Tgt Ion: 94 Resp: 8713

Ion Ratio Lower Upper

94 100

65 92.7 11.9 51.9#

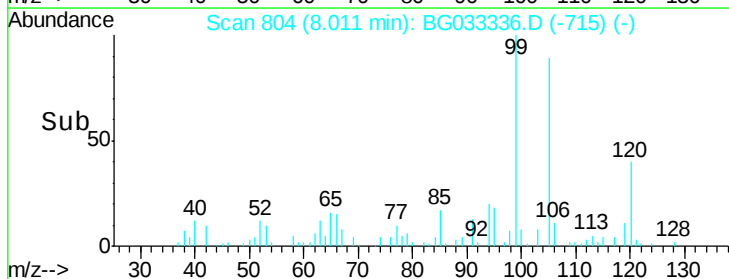
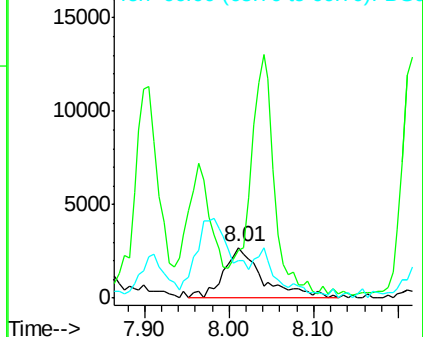
66 74.2 22.2 62.2#

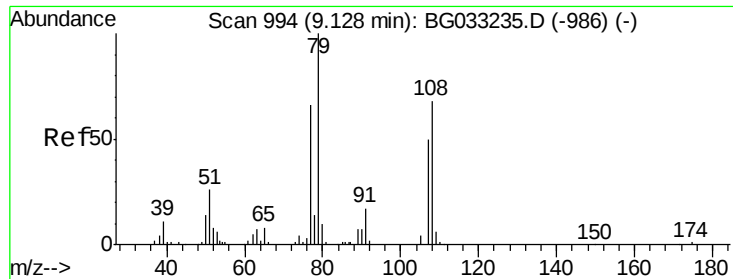


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#15

Benzyl Alcohol

Concen: 2.719 ng

RT: 9.14 min Scan# 996

Delta R.T. 0.01 min

Lab File: BG033336.D

Acq: 26 Mar 2018 19:18

Instrument :

BNA_G

ClientSampled :

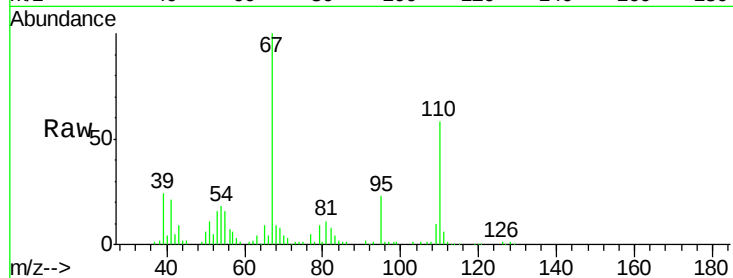
Tot Ion: 79 Resp: 8636

Ion Ratio Lower Upper

79 100

108 7.0 57.2 85.8#

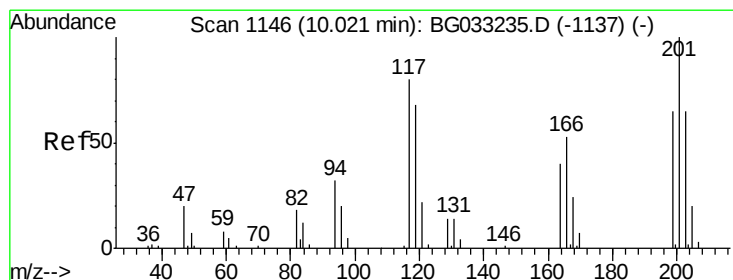
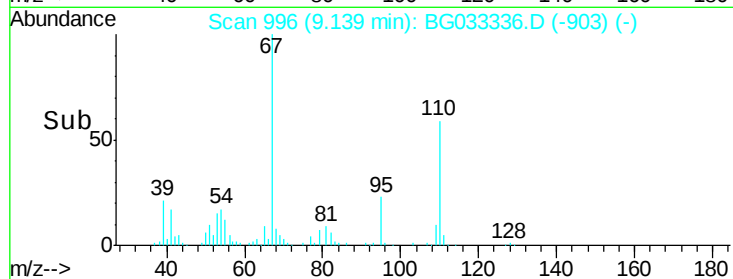
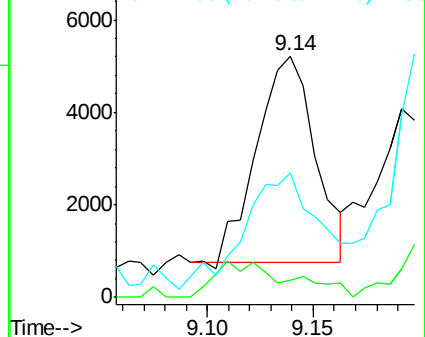
77 51.5 46.1 69.1



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC



#18

Hexachloroethane

Concen: 44.116 ng

RT: 10.00 min Scan# 1142

Delta R.T. -0.02 min

Lab File: BG033336.D

Acq: 26 Mar 2018 19:18

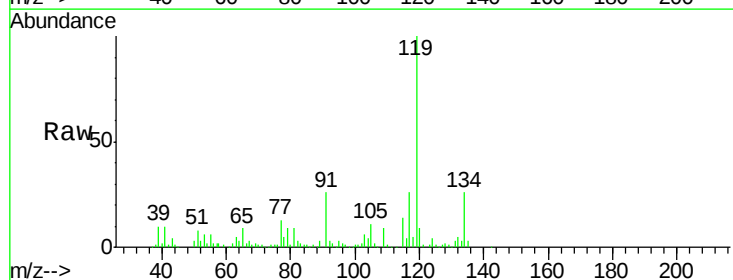
Tgt Ion: 117 Resp: 59838

Ion Ratio Lower Upper

117 100

119 383.4 76.7 115.1#

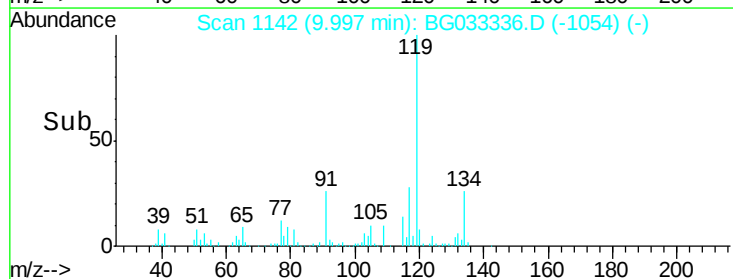
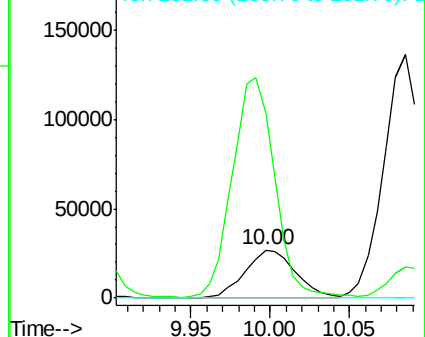
201 0.0 95.7 143.5#

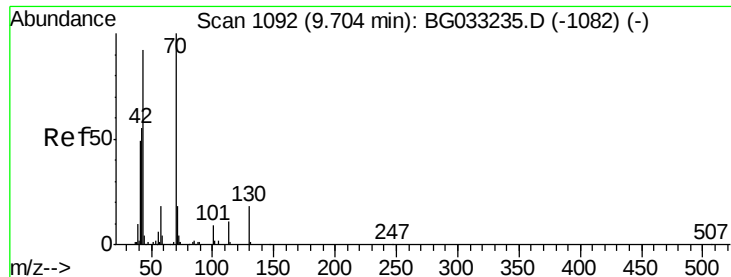


Abundance Ion 117.00 (116.70 to 117.70): BGC

Ion 119.00 (118.70 to 119.70): BGC

Ion 201.00 (200.70 to 201.70): BGC

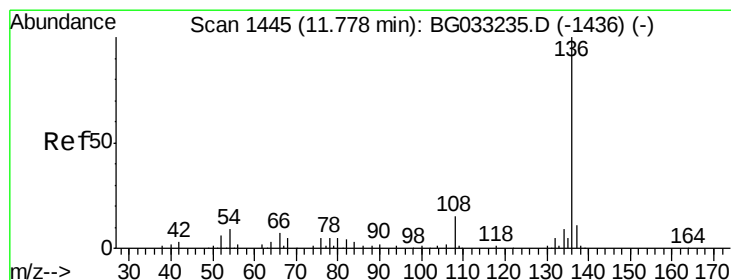
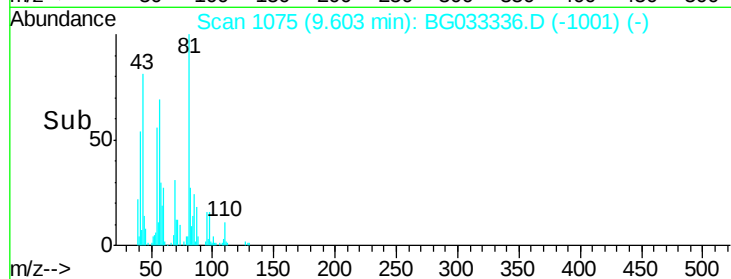
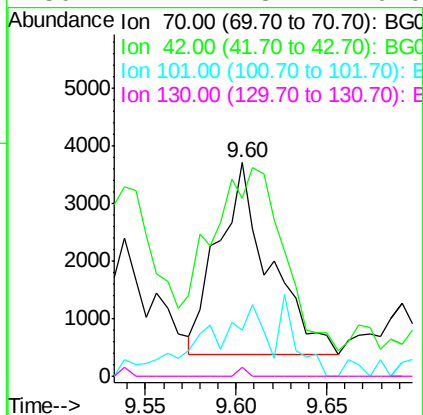
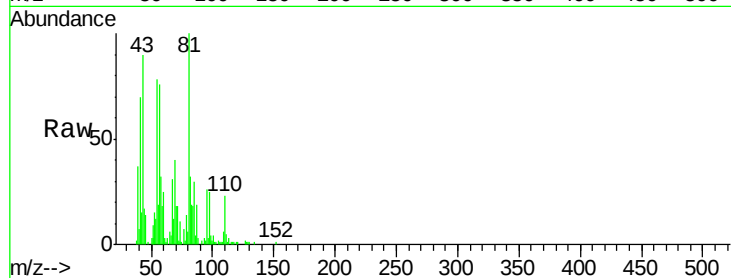




#19
n-Nitroso-di-n-propylamine
Concen: 2.249 ng
RT: 9.60 min Scan# 1075
Delta R.T. -0.10 min
Lab File: BG033336.D
Acq: 26 Mar 2018 19:18

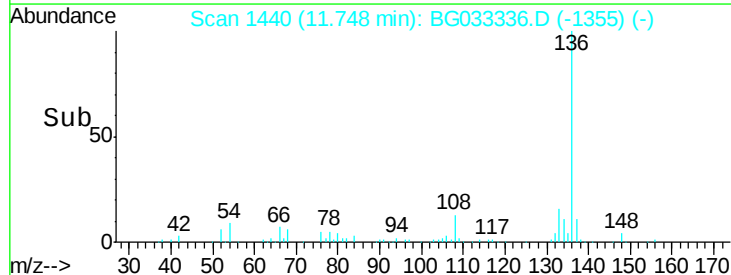
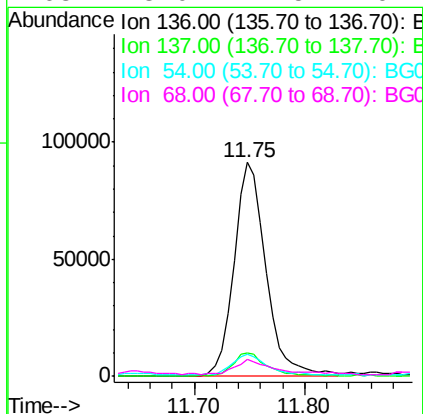
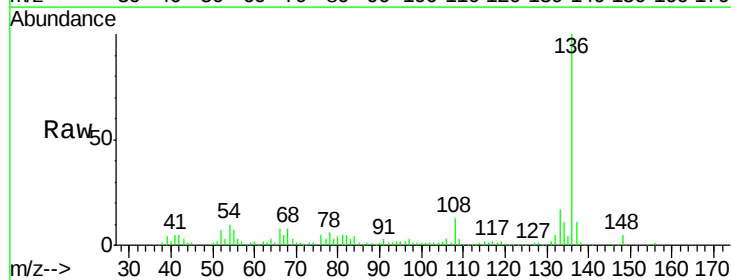
Instrument :
BNA_G
ClientSampleId :

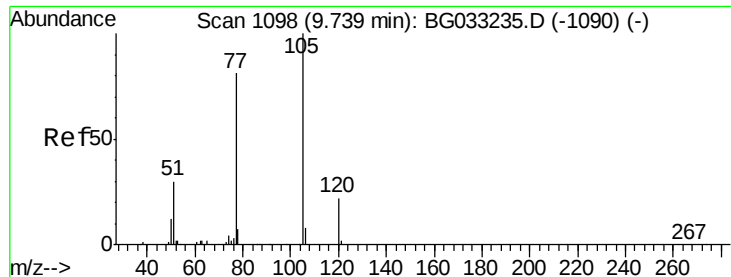
Tot Ion: 70 Resp: 6647
Ion Ratio Lower Upper
70 100
42 83.5 49.1 73.7#
101 21.8 8.5 12.7#
130 4.4 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.75 min Scan# 1440
Delta R.T. -0.03 min
Lab File: BG033336.D
Acq: 26 Mar 2018 19:18

Tgt Ion: 136 Resp: 184854
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 10.1 10.3 15.5#
68 8.0 4.5 6.7#





#22

Acetophenone

Concen: 17.252 ng

RT: 9.68 min Scan# 1088

Delta R.T. -0.06 min

Lab File: BG033336.D

Acq: 26 Mar 2018 19:18

Instrument :

BNA_G

ClientSampleId :

Tot Ion:105 Resp: 87373

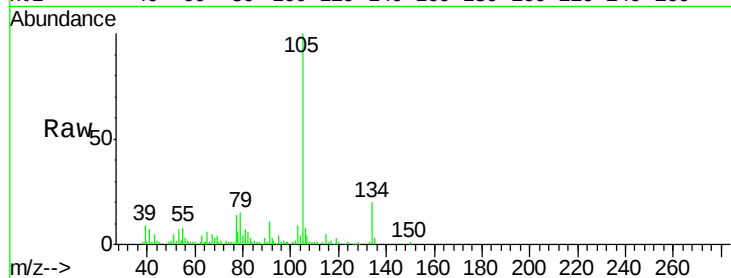
Ion Ratio Lower Upper

105 100

71 1.7 3.0 4.4#

51 5.0 26.1 39.1#

120 0.6 17.4 26.2#

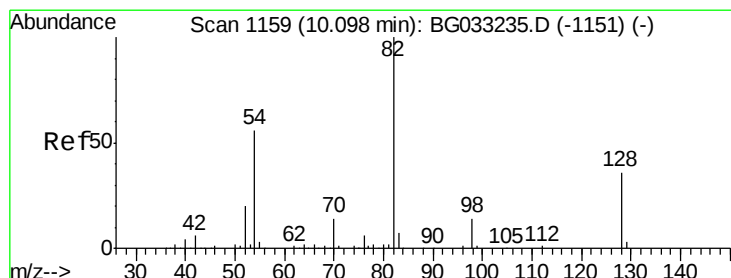
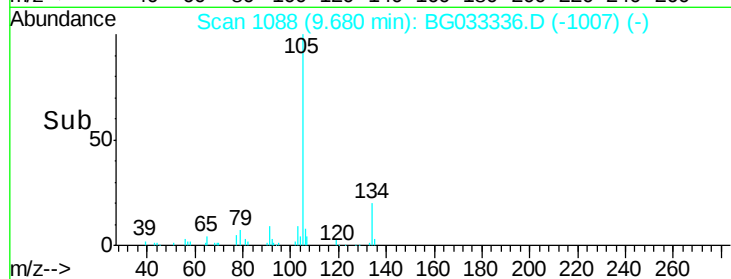
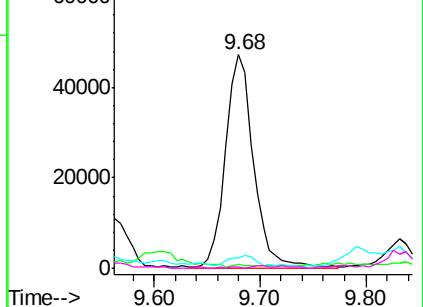


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 97.392 ng

RT: 10.07 min Scan# 1154

Delta R.T. -0.03 min

Lab File: BG033336.D

Acq: 26 Mar 2018 19:18

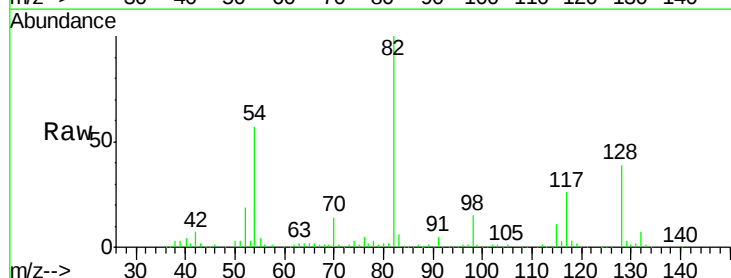
Tgt Ion: 82 Resp: 391852

Ion Ratio Lower Upper

82 100

128 38.9 29.7 44.5

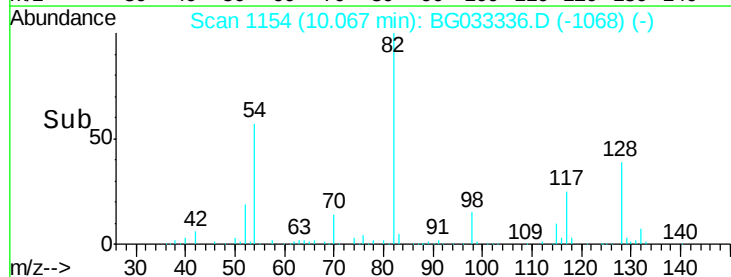
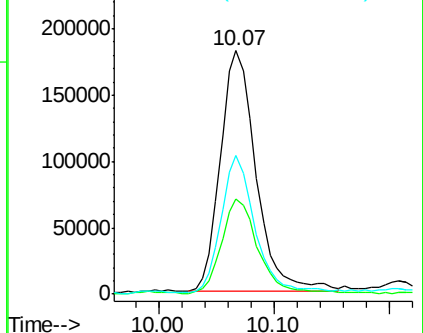
54 57.0 43.1 64.7

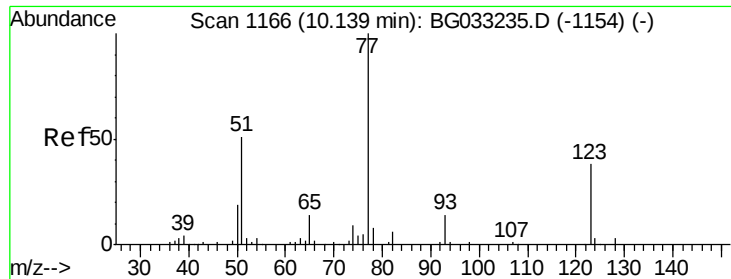


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

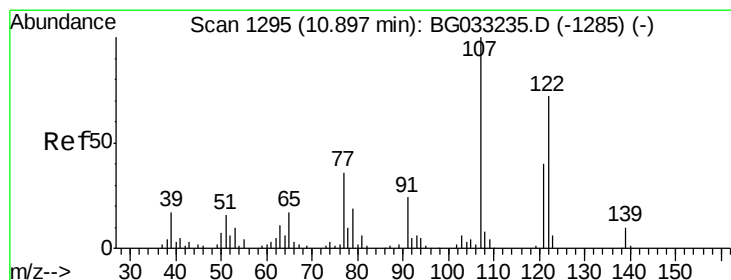
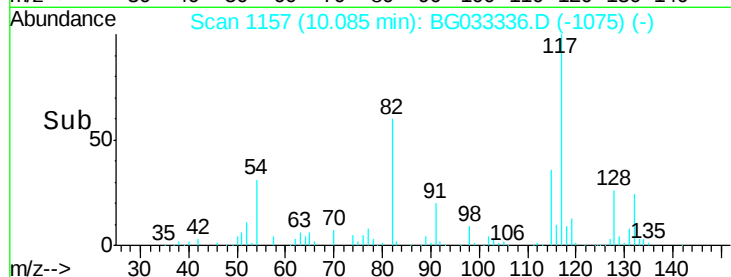
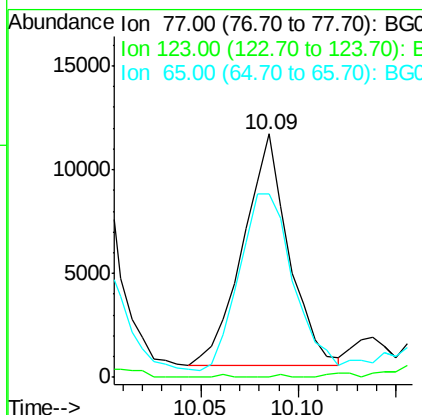
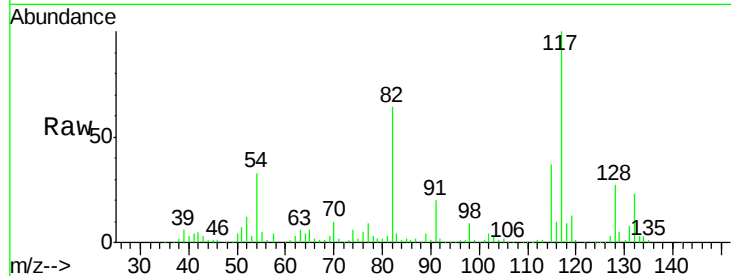




#24
 Nitrobenzene
 Concen: 4.178 ng
 RT: 10.09 min Scan# 1157
 Delta R.T. -0.05 min
 Lab File: BG033336.D
 Acq: 26 Mar 2018 19:18

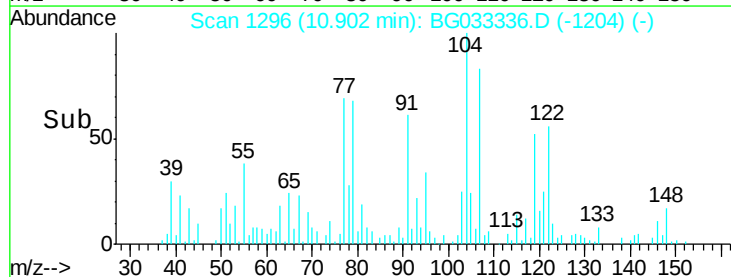
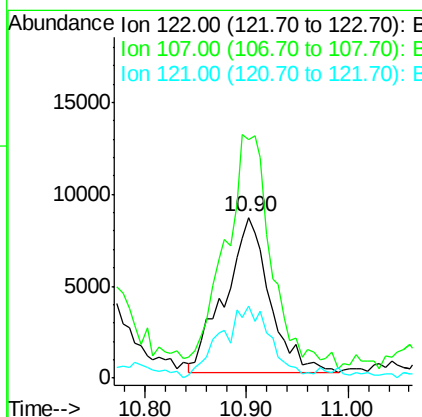
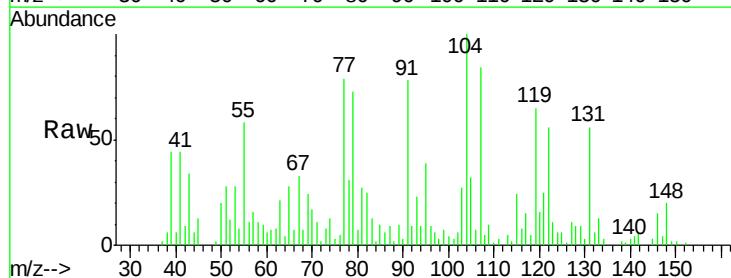
Instrument :
 BNA_G
 ClientSampled :

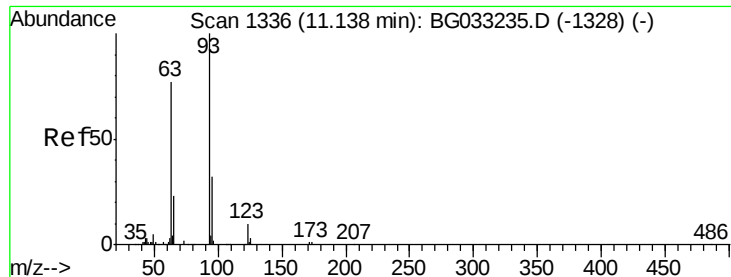
Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	33.0	49.6#
65	75.2	13.0	19.6#



#27
 2,4-Dimethylphenol
 Concen: 11.007 ng
 RT: 10.90 min Scan# 1296
 Delta R.T. 0.01 min
 Lab File: BG033336.D
 Acq: 26 Mar 2018 19:18

Tgt Ion	Ratio	Lower	Upper
122	100		
107	148.8	100.2	150.2
121	44.9	44.4	66.6

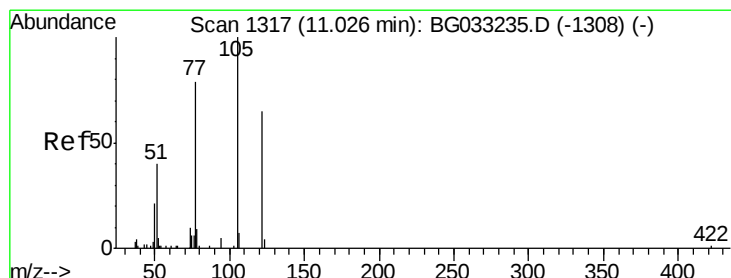
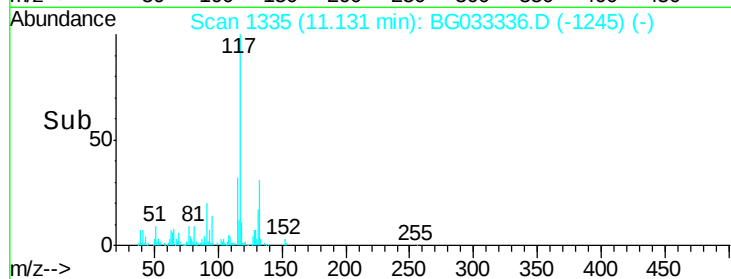
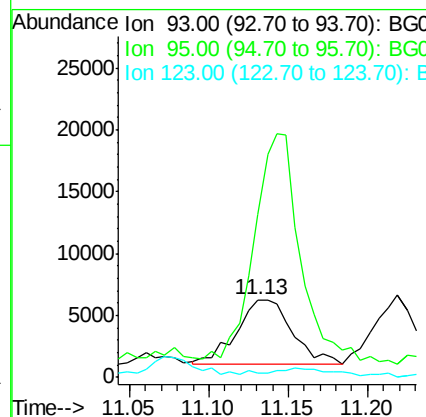
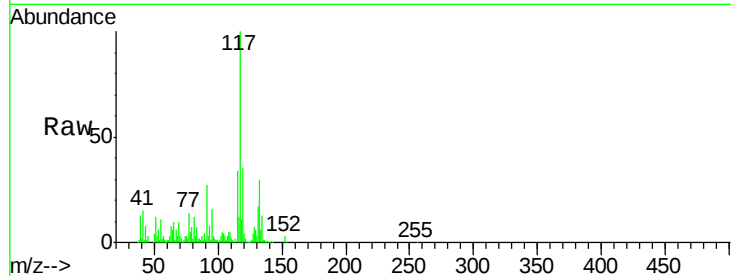




#28
bis(2-Chloroethoxy)methane
Concen: 3.217 ng
RT: 11.13 min Scan# 1335
Delta R.T. -0.00 min
Lab File: BG033336.D
Acq: 26 Mar 2018 19:18

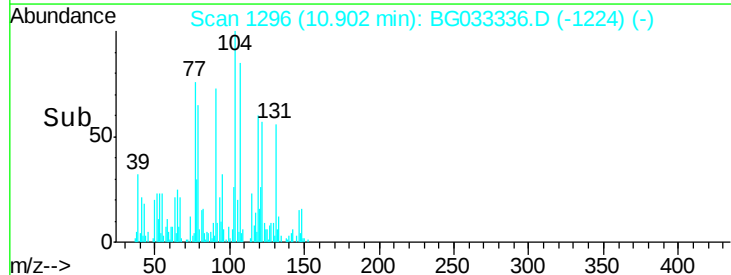
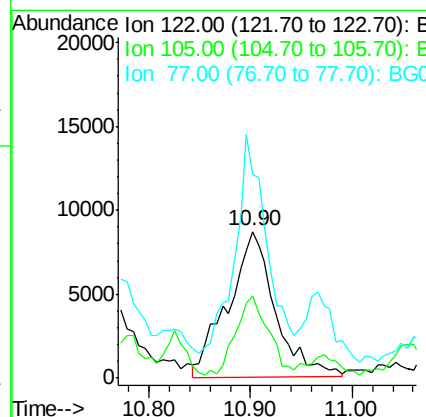
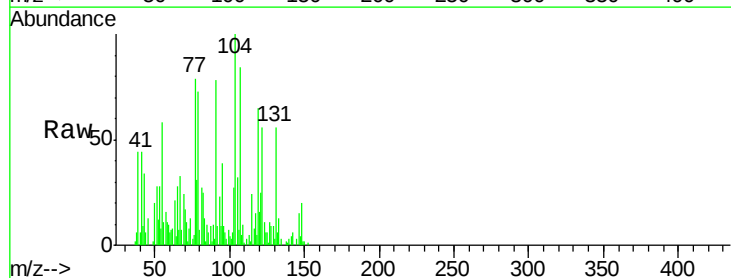
Instrument :
BNA_G
ClientSampleId :

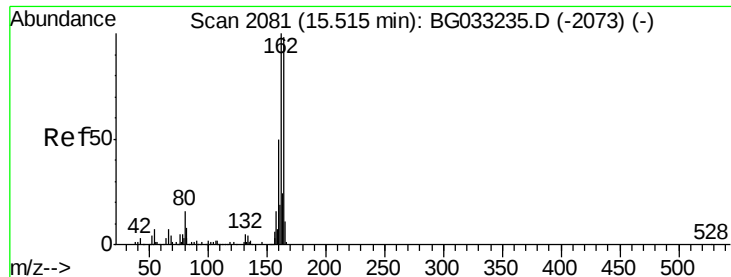
Tot Ion: 93 Resp: 12534
Ion Ratio Lower Upper
93 100
95 210.3 24.3 36.5#
123 5.9 8.4 12.6#



#32
Benzoic acid
Concen: 12.653 ng
RT: 10.90 min Scan# 1296
Delta R.T. -0.11 min
Lab File: BG033336.D
Acq: 26 Mar 2018 19:18

Tgt Ion: 122 Resp: 27859
Ion Ratio Lower Upper
122 100
105 56.4 123.5 163.5#
77 139.3 85.7 125.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.48 min Scan# 2076

Delta R.T. -0.03 min

Lab File: BG033336.D

Acq: 26 Mar 2018 19:18

Instrument :

BNA_G

ClientSampled :

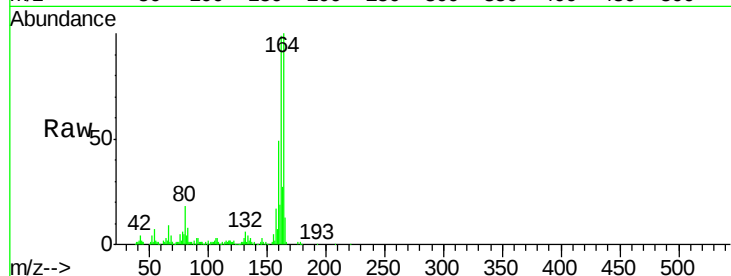
Tot Ion:164 Resp: 146189

Ion Ratio Lower Upper

164 100

162 99.4 78.8 118.2

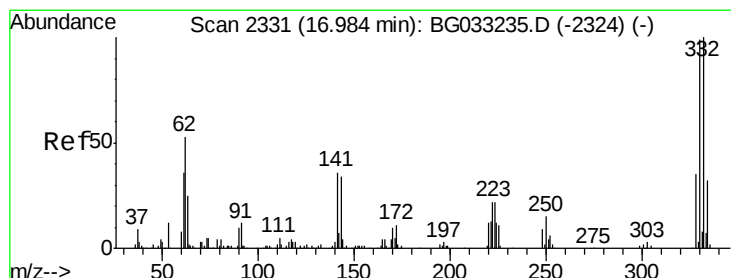
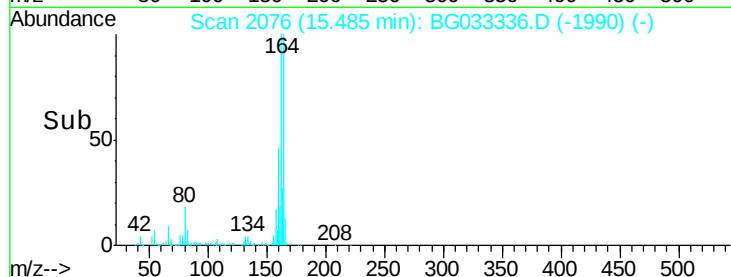
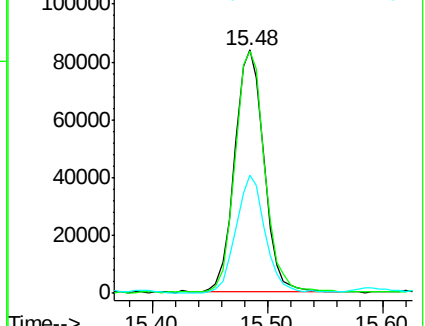
160 48.6 35.4 53.0



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: 157.296 ng

RT: 16.96 min Scan# 2327

Delta R.T. -0.03 min

Lab File: BG033336.D

Acq: 26 Mar 2018 19:18

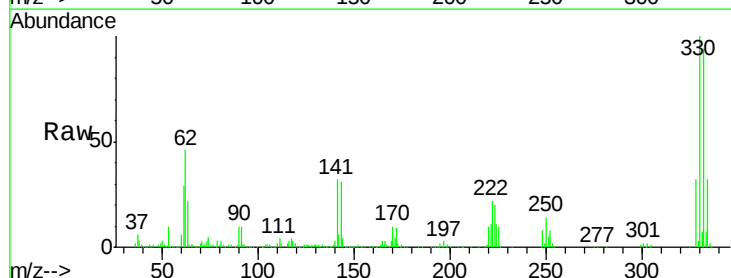
Tgt Ion:330 Resp: 343916

Ion Ratio Lower Upper

330 100

332 96.3 77.0 115.6

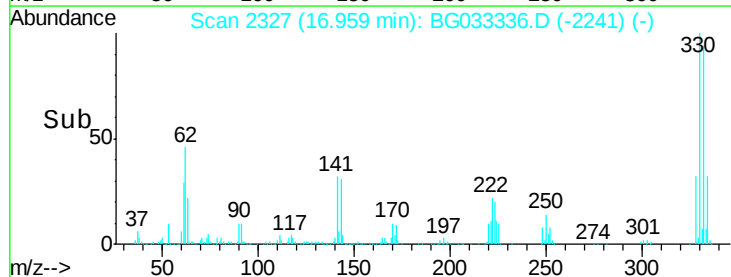
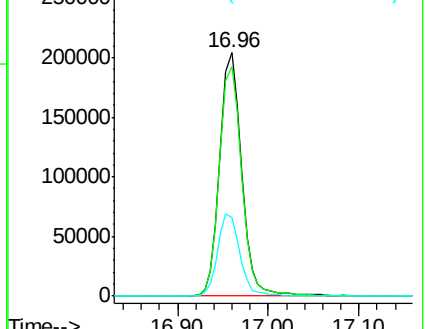
141 33.9 25.2 37.8

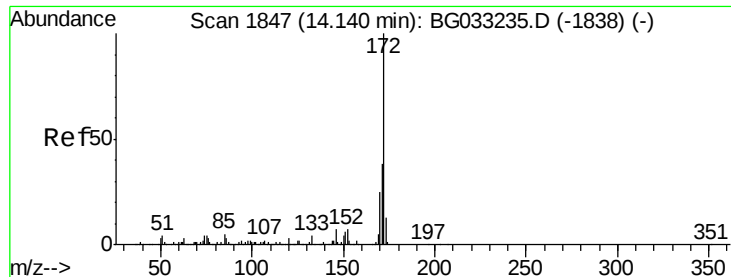


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

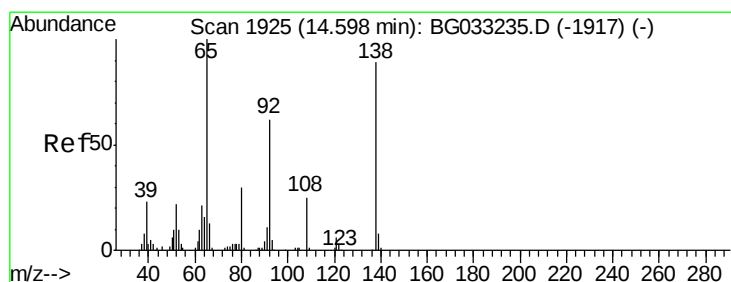
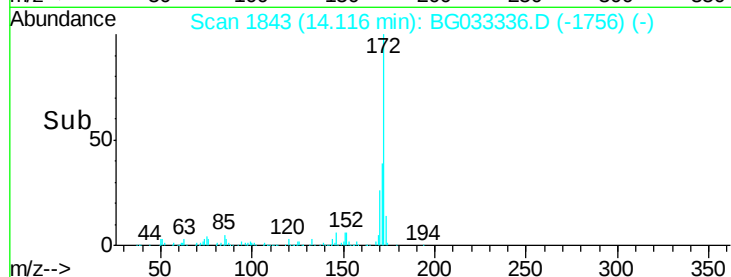
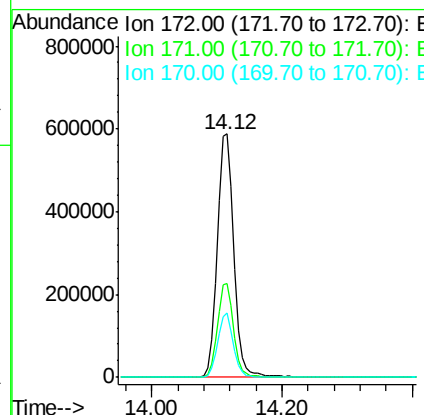
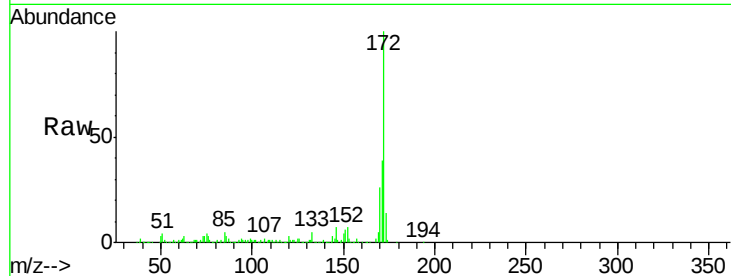




#44
2-Fluorobiphenyl
Concen: 102.026 ng
RT: 14.12 min Scan# 1843
Delta R.T. -0.02 min
Lab File: BG033336.D
Acq: 26 Mar 2018 19:18

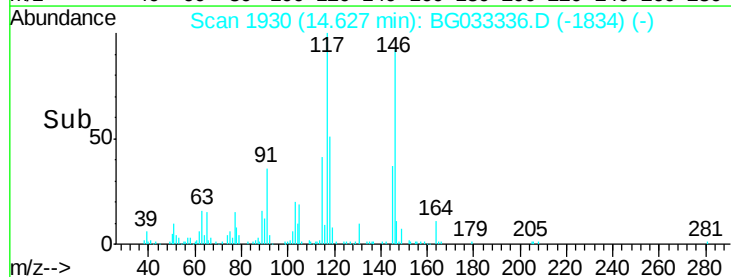
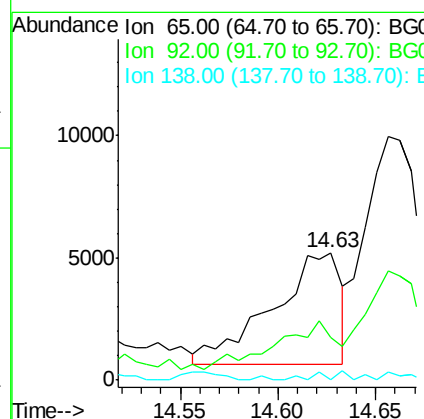
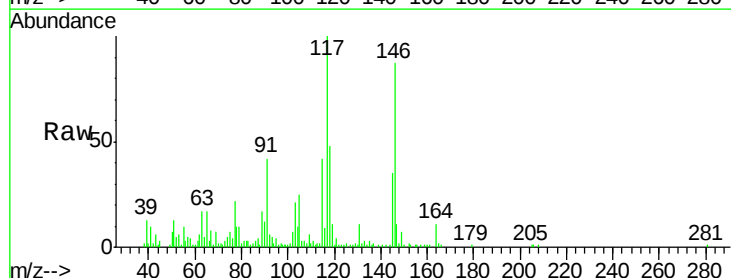
Instrument :
BNA_G
ClientSampleId :

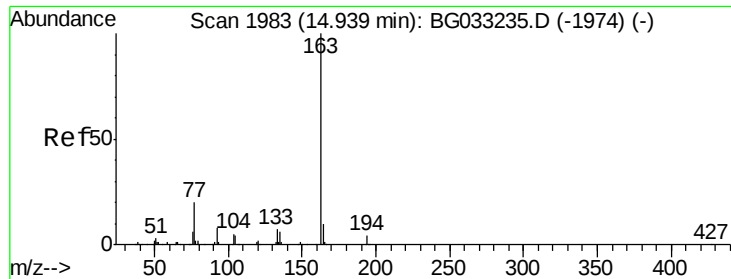
Tot Ion:172 Resp: 1033160
Ion Ratio Lower Upper
172 100
171 38.7 30.0 45.0
170 26.3 19.5 29.3



#47
2-Nitroaniline
Concen: 3.412 ng
RT: 14.63 min Scan# 1930
Delta R.T. 0.03 min
Lab File: BG033336.D
Acq: 26 Mar 2018 19:18

Tgt Ion: 65 Resp: 11067
Ion Ratio Lower Upper
65 100
92 33.4 54.6 82.0#
138 0.0 72.9 109.3#

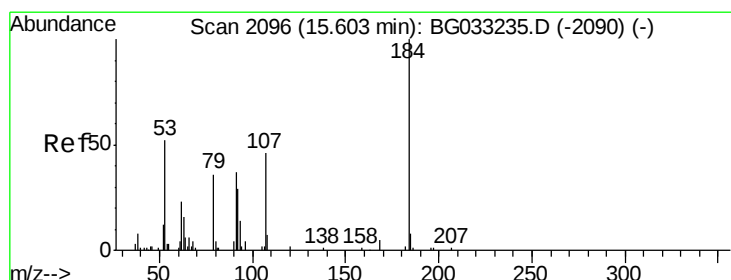
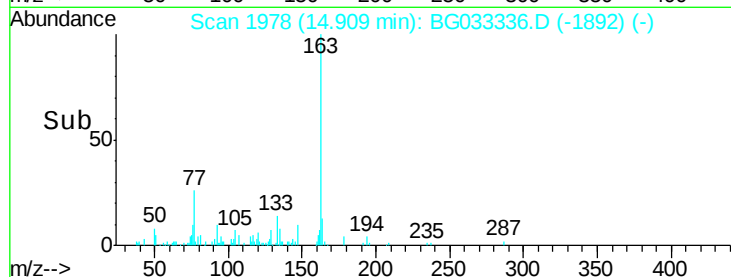
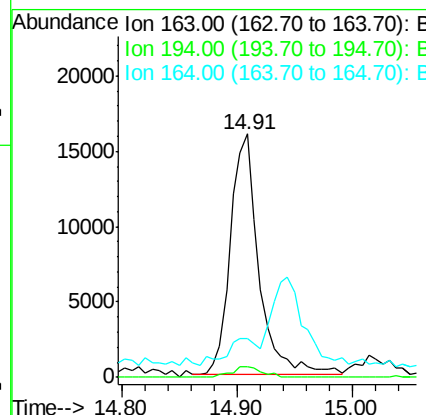
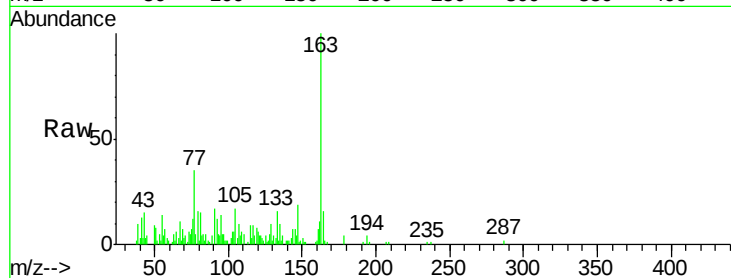




#49
Dimethylphthalate
Concen: 2.127 ng
RT: 14.91 min Scan# 1978
Delta R.T. -0.03 min
Lab File: BG033336.D
Acq: 26 Mar 2018 19:18

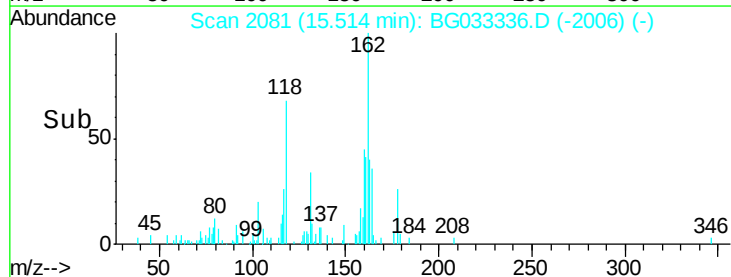
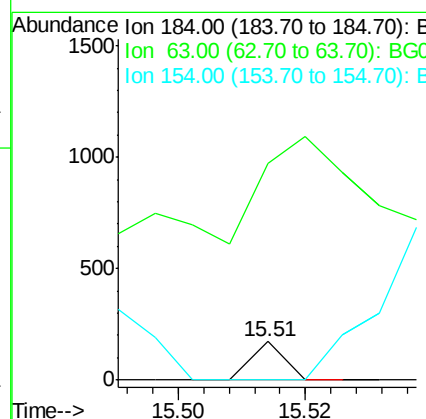
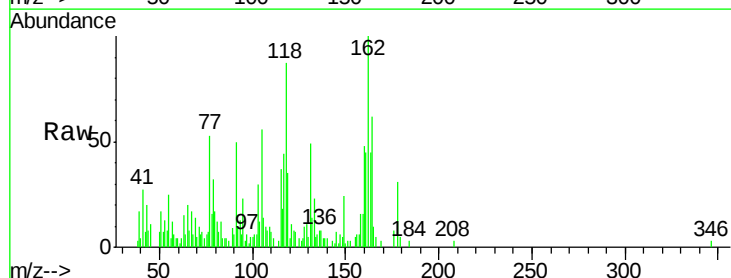
Instrument :
BNA_G
ClientSampleId :

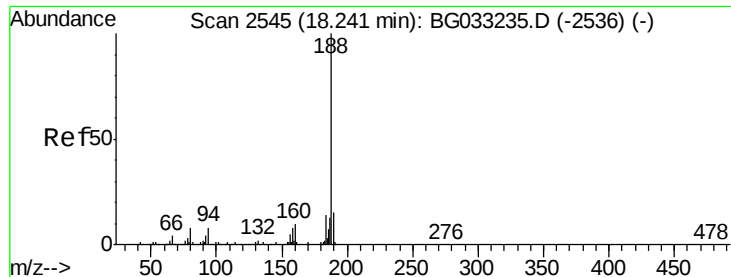
Tot Ion:163 Resp: 27055
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.2
164 15.9 8.2 12.4#



#53
2,4-Dinitrophenol
Concen: 7.684 ng
RT: 15.51 min Scan# 2081
Delta R.T. -0.09 min
Lab File: BG033336.D
Acq: 26 Mar 2018 19:18

Tgt Ion:184 Resp: 61
Ion Ratio Lower Upper
184 100
63 566.3 59.8 89.8#
154 0.0 101.8 152.8#

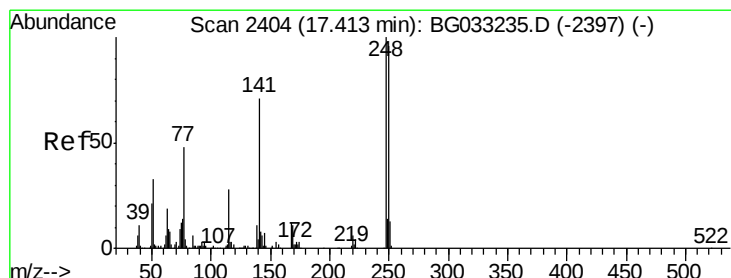
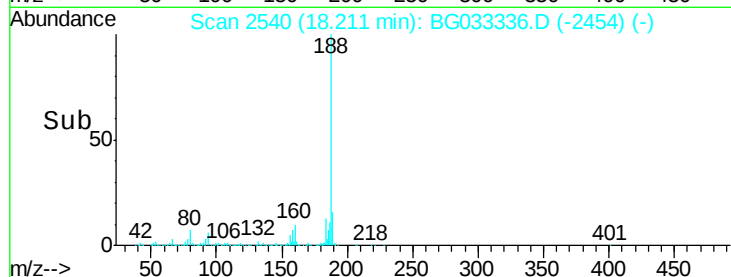
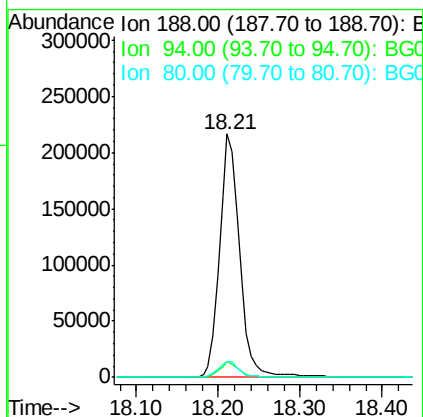
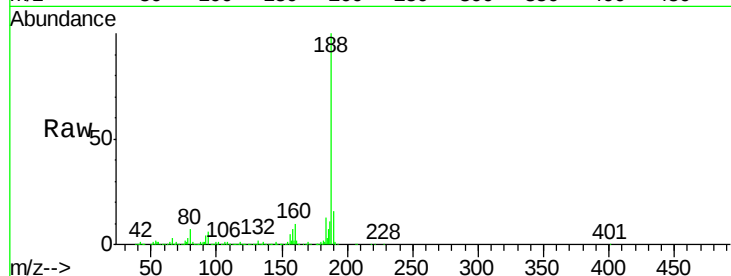




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.21 min Scan# 2540
Delta R.T. -0.03 min
Lab File: BG033336.D
Acq: 26 Mar 2018 19:18

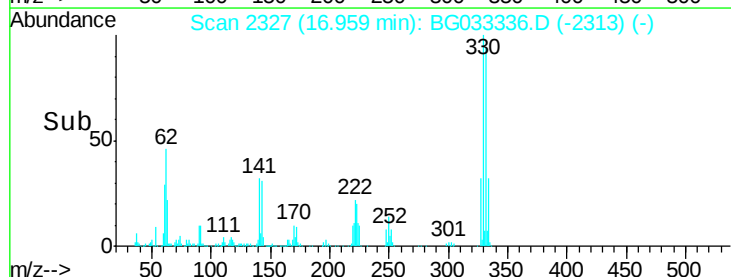
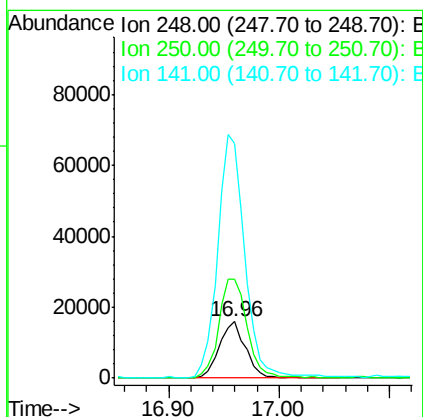
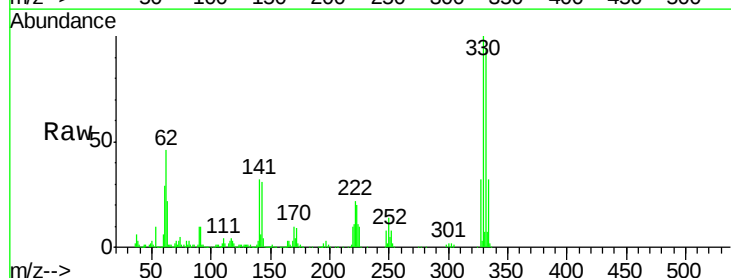
Instrument :
BNA_G
ClientSampleId :

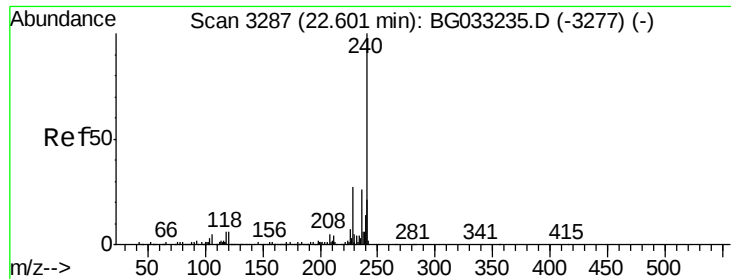
Tot Ion	Ratio	Lower	Upper
188	100		
94	6.3	6.9	10.3#
80	6.6	7.7	11.5#



#66
4-Bromophenyl-phenylether
Concen: 6.105 ng
RT: 16.96 min Scan# 2327
Delta R.T. -0.45 min
Lab File: BG033336.D
Acq: 26 Mar 2018 19:18

Tgt Ion	Ratio	Lower	Upper
248	100		
250	174.4	77.1	115.7#
141	413.6	50.8	76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.56 min Scan# 3280

Delta R.T. -0.04 min

Lab File: BG033336.D

Acq: 26 Mar 2018 19:18

Instrument :

BNA_G

ClientSampleId :

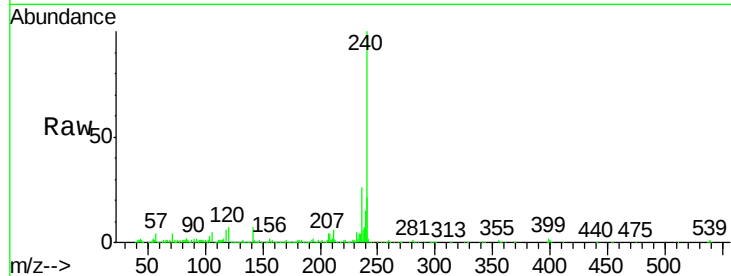
Tot Ion:240 Resp: 371529

Ion Ratio Lower Upper

240 100

120 6.8 6.8 10.2#

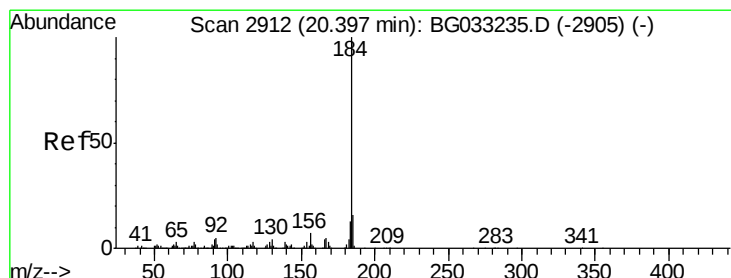
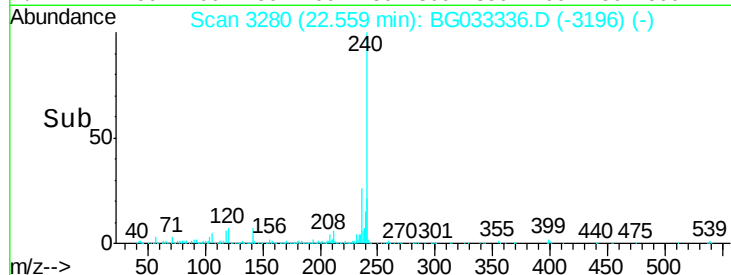
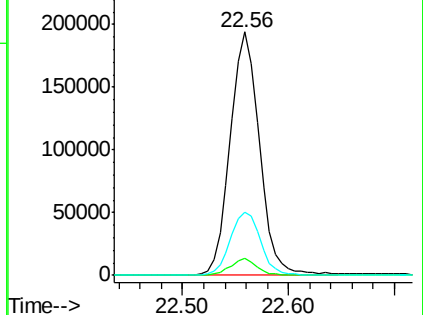
236 25.9 20.9 31.3



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



#76

Benzidine

Concen: 2.762 ng

RT: 20.73 min Scan# 2969

Delta R.T. 0.34 min

Lab File: BG033336.D

Acq: 26 Mar 2018 19:18

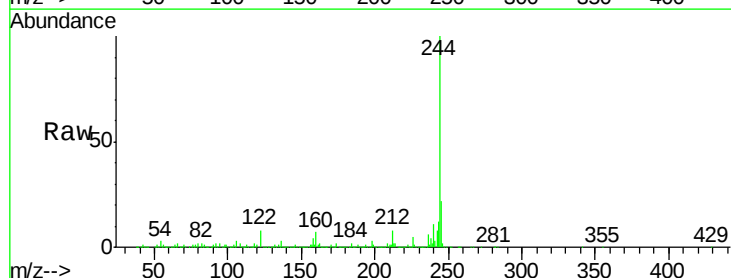
Tgt Ion:184 Resp: 27832

Ion Ratio Lower Upper

184 100

185 17.7 11.1 16.7#

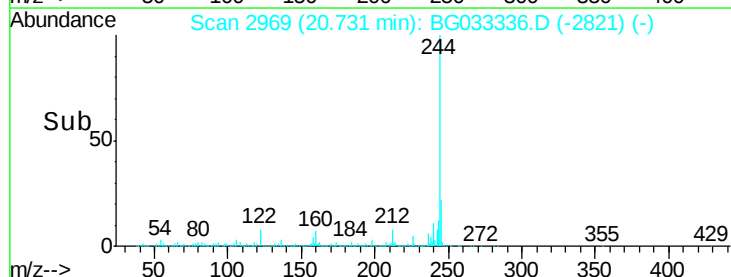
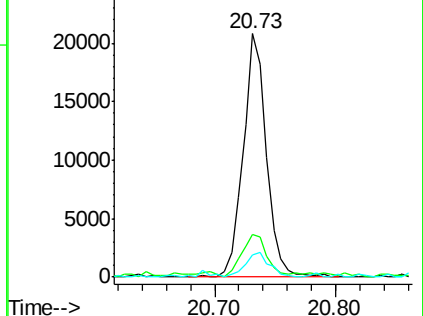
183 8.9 10.6 16.0#

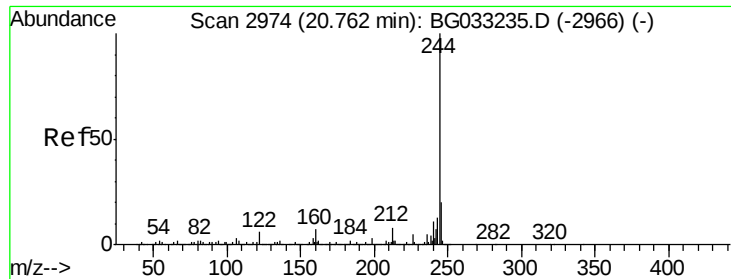


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 96.731 ng

RT: 20.73 min Scan# 2969

Delta R.T. -0.03 min

Lab File: BG033336.D

Acq: 26 Mar 2018 19:18

Instrument :

BNA_G

ClientSampleId :

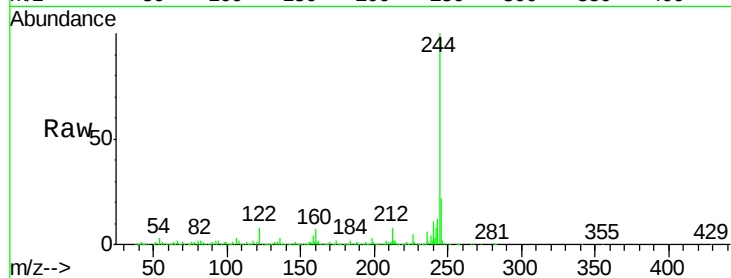
Tot Ion:244 Resp: 1680464

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

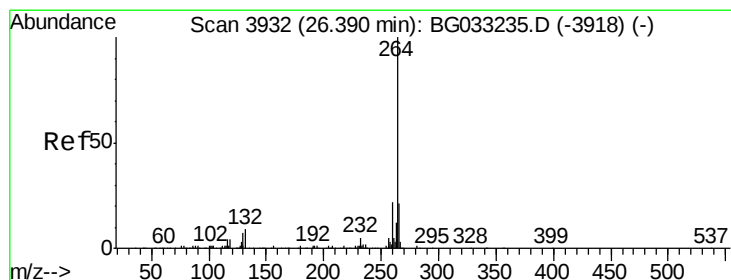
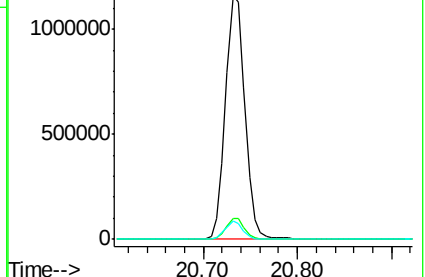
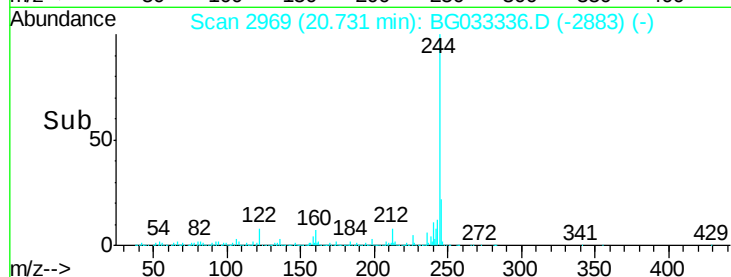
122 7.6 7.0 10.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.32 min Scan# 3920

Delta R.T. -0.07 min

Lab File: BG033336.D

Acq: 26 Mar 2018 19:18

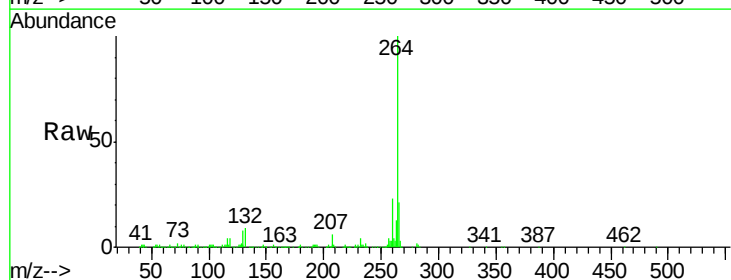
Tgt Ion:264 Resp: 418871

Ion Ratio Lower Upper

264 100

260 23.0 17.4 26.0

265 21.0 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

