

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012718\
 Data File : BG032373.D
 Acq On : 28 Jan 2018 2:29
 Operator : SJ/JU
 Sample : J1023-06
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 28 03:34:12 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	8.72	152	33161	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	121596	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	82433	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	237559	20.00	ng	0.00
75) Chrysene-d12	22.42	240	316672	20.00	ng	0.00
86) Perylene-d12	26.10	264	317552	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.16	112	229241	126.43	ng	0.00
7) Phenol-d6	7.84	99	256932	112.52	ng	0.00
23) Nitrobenzene-d5	9.92	82	195060	108.53	ng	0.00
41) 2,4,6-Tribromophenol	16.84	330	240105	176.02	ng	0.00
44) 2-Fluorobiphenyl	13.99	172	666121	100.20	ng	0.00
78) Terphenyl-d14	20.63	244	1494731	104.22	ng	0.00

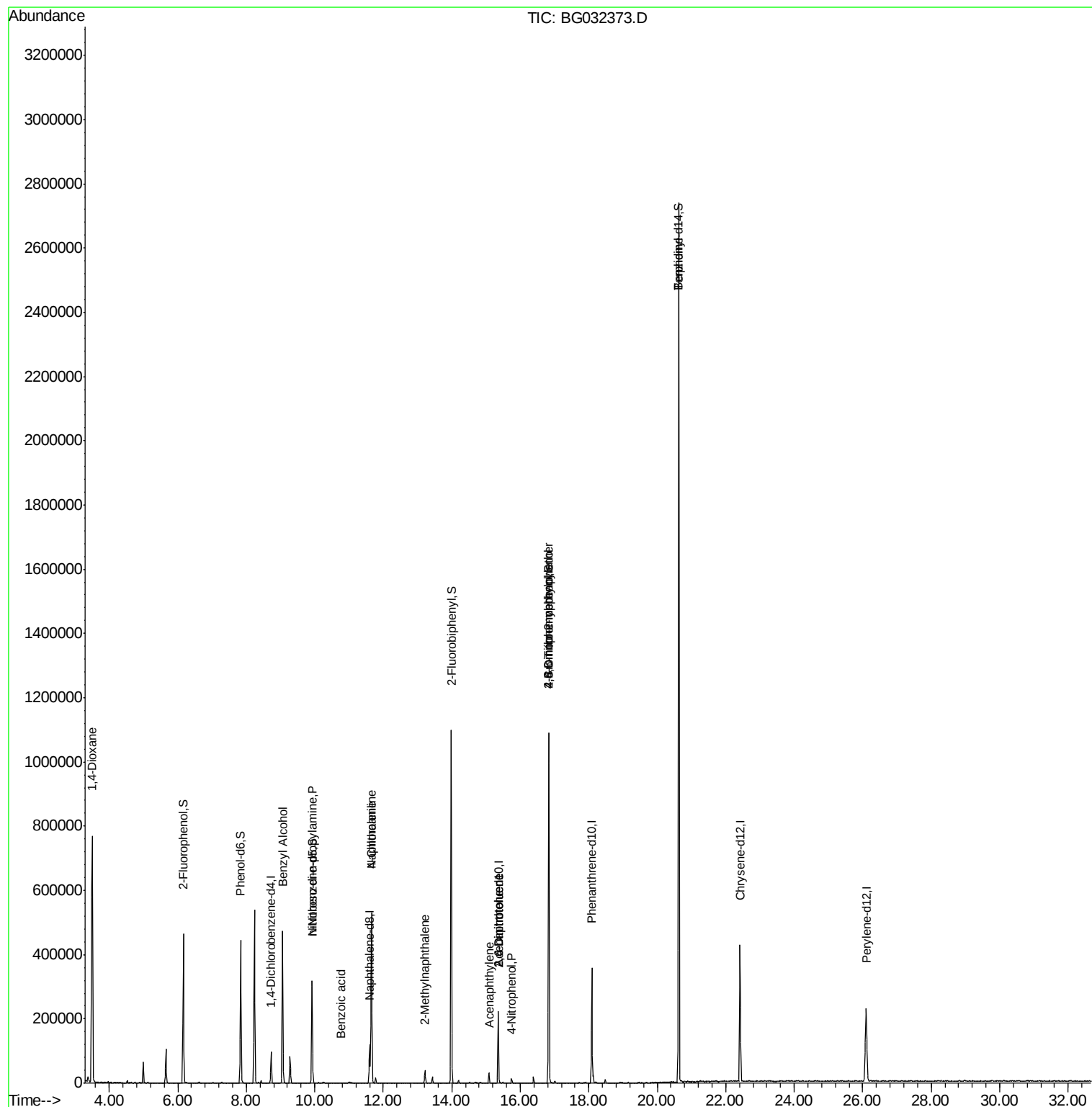
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.51	88	10343	14.848	ng	# 1
15) Benzyl Alcohol	9.06	79	4111	2.478	ng	# 48
19) n-Nitroso-di-n-propylamine	9.92	70	27560	19.452	ng	# 74
31) Naphthalene	11.65	128	489188	81.212	ng	# 99
32) Benzoic acid	10.76	122	64	5.298	ng	# 1
33) 4-Chloroaniline	11.65	127	69253	26.811	ng	# 33
37) 2-Methylnaphthalene	13.22	142	20306	4.246	ng	# 90
48) Acenaphthylene	15.09	152	27095	3.237	ng	# 98
50) 2,6-Dinitrotoluene	15.36	165	11625	7.764	ng	# 21
55) 4-Nitrophenol	15.74	139	4622	4.690	ng	# 1
56) 2,4-Dinitrotoluene	15.36	165	11625	5.767	ng	# 19
64) 4,6-Dinitro-2-methylphenol	16.82	198	868	5.397	ng	# 44
66) 4-Bromophenyl-phenylether	16.83	248	20262	5.995	ng	# 1
76) Benzidine	20.63	184	22280	2.814	ng	# 95

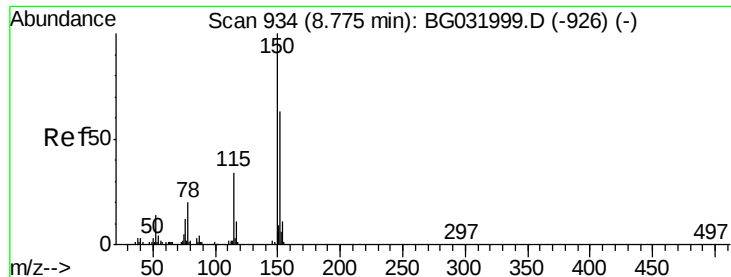
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012718\
Data File : BG032373.D
Acq On : 28 Jan 2018 2:29
Operator : SJ/JU
Sample : J1023-06
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Jan 28 03:34:12 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



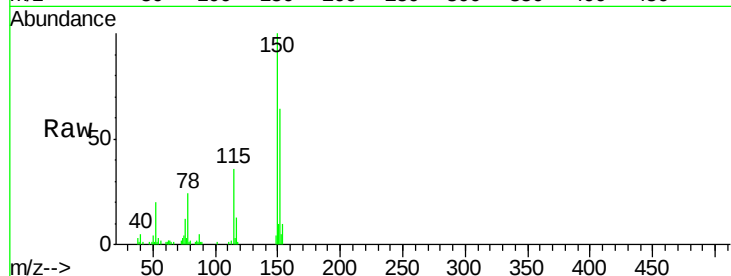


#1

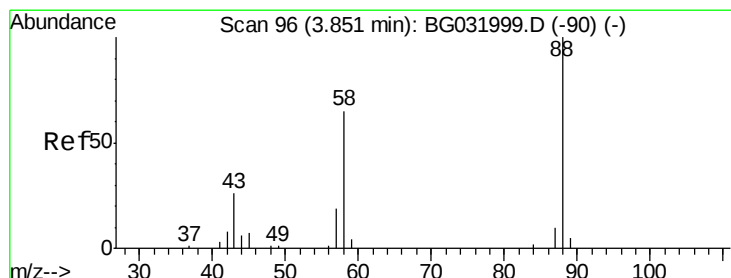
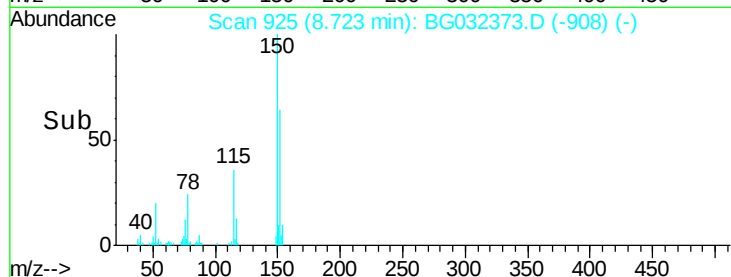
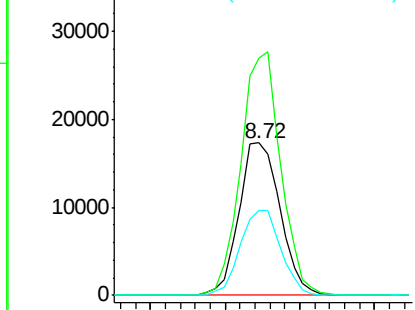
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.72 min Scan# 925
Delta R.T. -0.00 min
Lab File: BG032373.D
Acq: 28 Jan 2018 2:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 33161
Ion Ratio Lower Upper
152 100
150 155.5 126.6 189.8
115 55.9 53.0 79.4



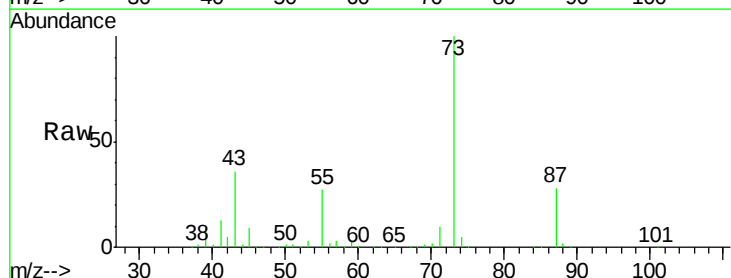
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



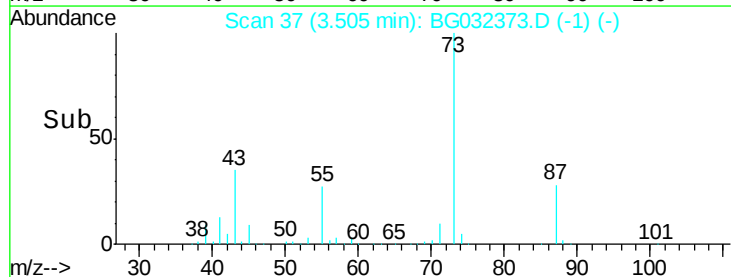
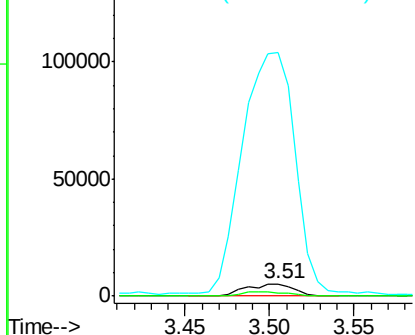
#2

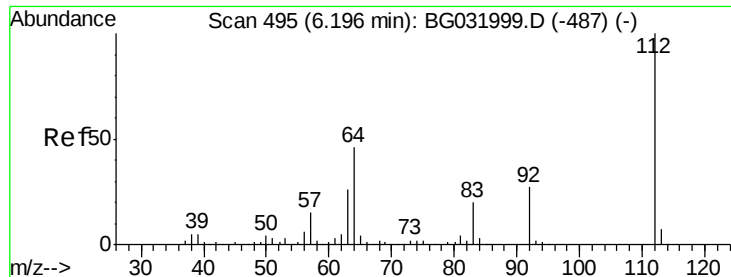
1,4-Dioxane
Concen: 14.848 ng
RT: 3.51 min Scan# 37
Delta R.T. -0.32 min
Lab File: BG032373.D
Acq: 28 Jan 2018 2:29

Tgt Ion: 88 Resp: 10343
Ion Ratio Lower Upper
88 100
58 33.0 79.6 119.4#
43 2165.7 27.4 41.0#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 126.434 ng

RT: 6.16 min Scan# 489

Delta R.T. 0.01 min

Lab File: BG032373.D

Acq: 28 Jan 2018 2:29

Instrument :

BNA_G

ClientSampleId :

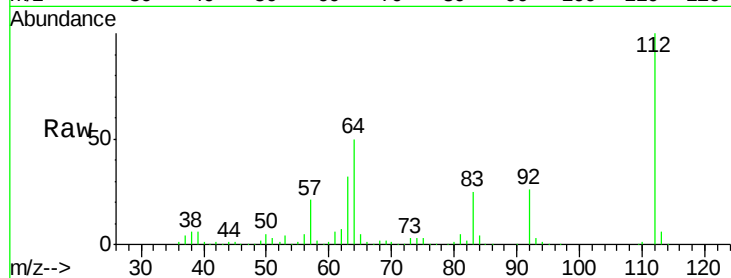
Tot Ion:112 Resp: 229241

Ion Ratio Lower Upper

112 100

64 50.1 56.3 84.5#

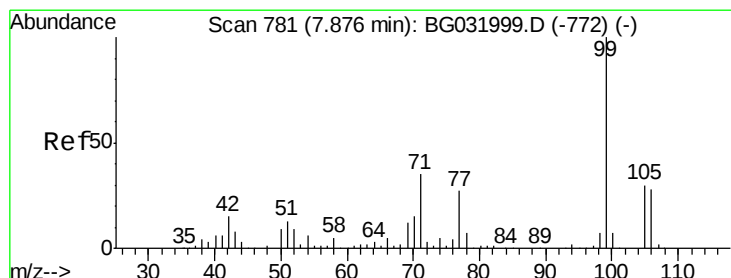
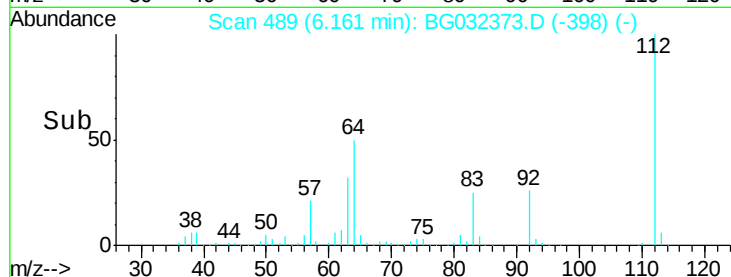
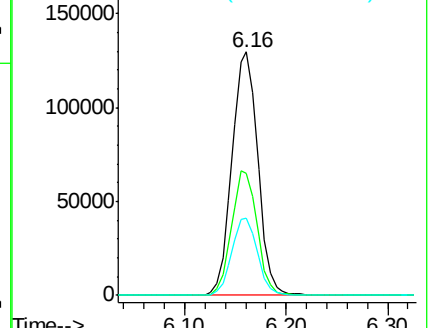
63 31.6 30.1 45.1



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: 112.515 ng

RT: 7.84 min Scan# 774

Delta R.T. -0.00 min

Lab File: BG032373.D

Acq: 28 Jan 2018 2:29

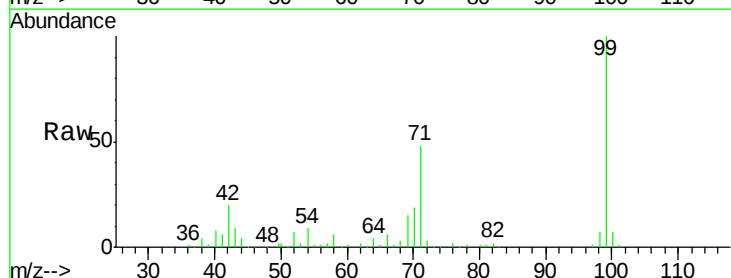
Tgt Ion: 99 Resp: 256932

Ion Ratio Lower Upper

99 100

42 20.2 14.1 21.1

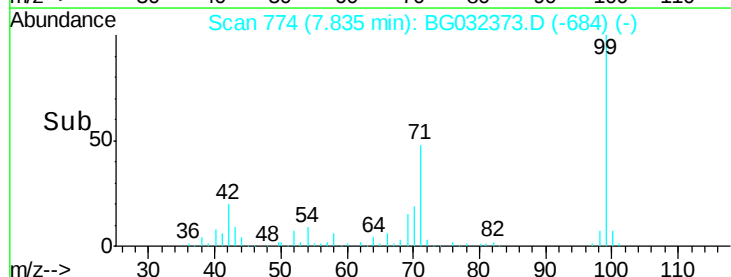
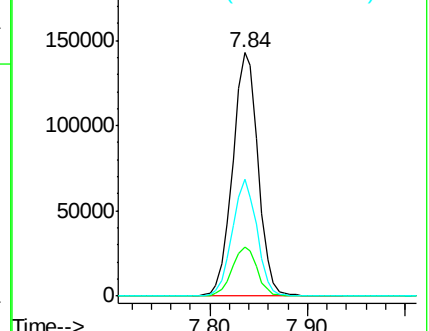
71 48.2 26.1 39.1#

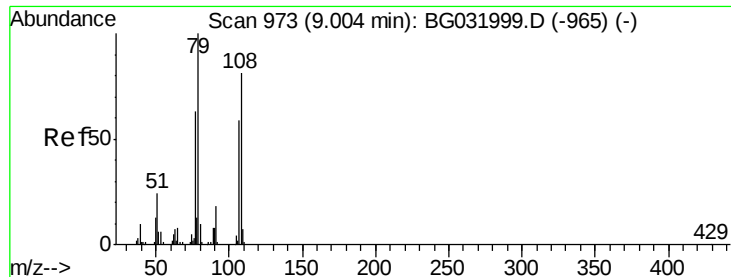


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.478 ng

RT: 9.06 min Scan# 982

Delta R.T. 0.09 min

Lab File: BG032373.D

Acq: 28 Jan 2018 2:29

Instrument :

BNA_G

ClientSampleId :

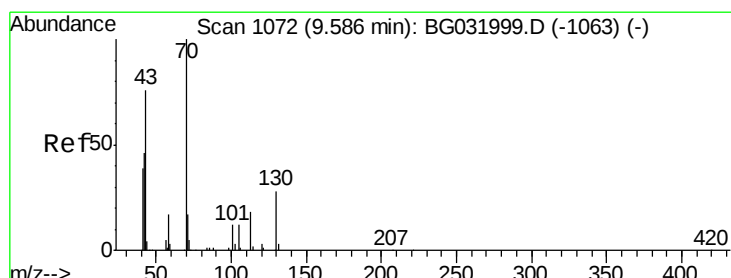
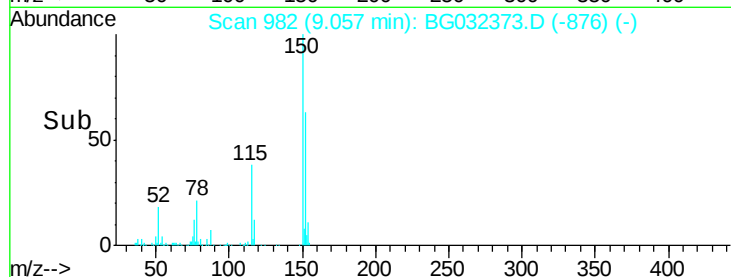
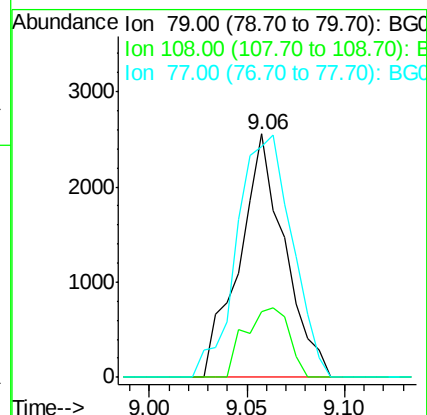
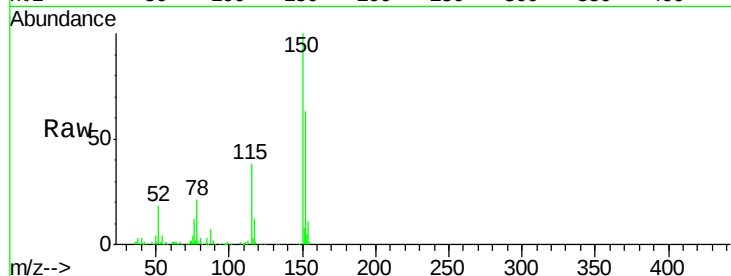
Tot Ion: 79 Resp: 4111

Ion Ratio Lower Upper

79 100

108 26.8 57.2 85.8#

77 94.7 46.1 69.1#



#19

n-Nitroso-di-n-propylamine

Concen: 19.452 ng

RT: 9.92 min Scan# 1128

Delta R.T. 0.38 min

Lab File: BG032373.D

Acq: 28 Jan 2018 2:29

Tgt Ion: 70 Resp: 27560

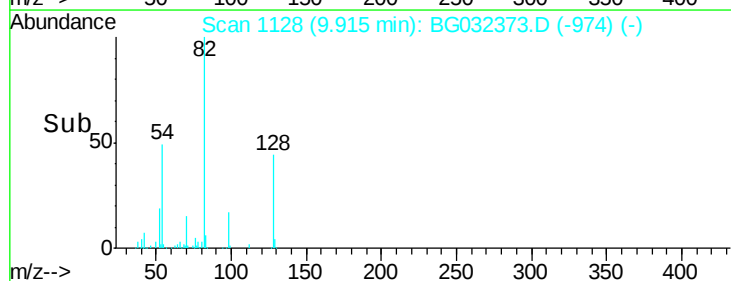
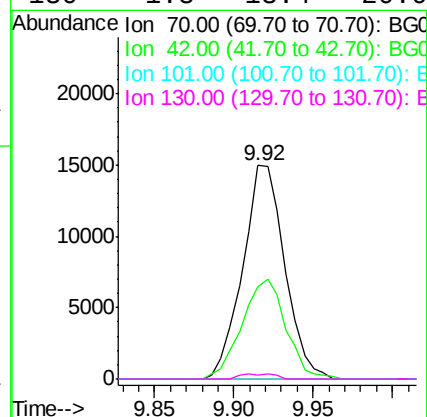
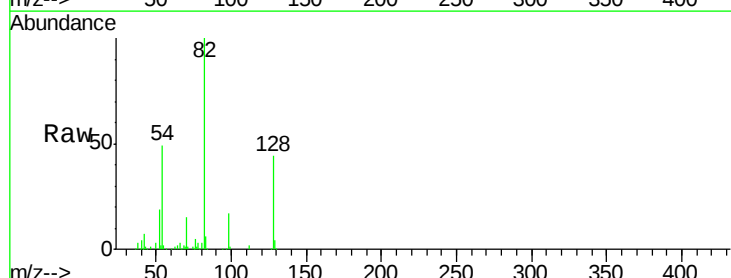
Ion Ratio Lower Upper

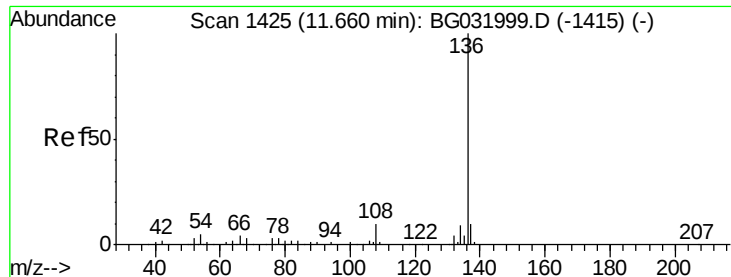
70 100

42 43.4 49.1 73.7#

101 0.0 8.5 12.7#

130 1.8 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.60 min Scan# 1415

Delta R.T. -0.01 min

Lab File: BG032373.D

Acq: 28 Jan 2018 2:29

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 121596

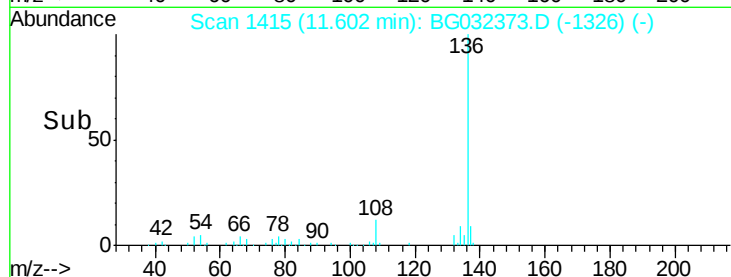
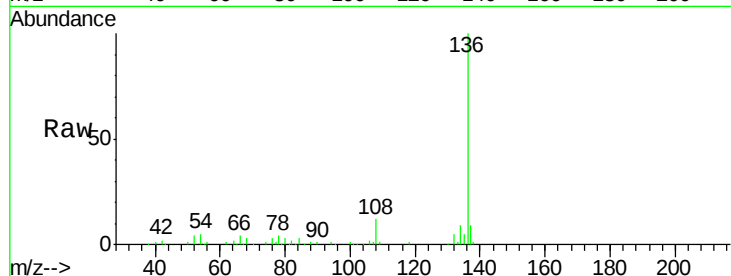
Ion Ratio Lower Upper

136 100

137 9.2 9.2 13.8

54 5.2 10.3 15.5#

68 2.8 4.5 6.7#

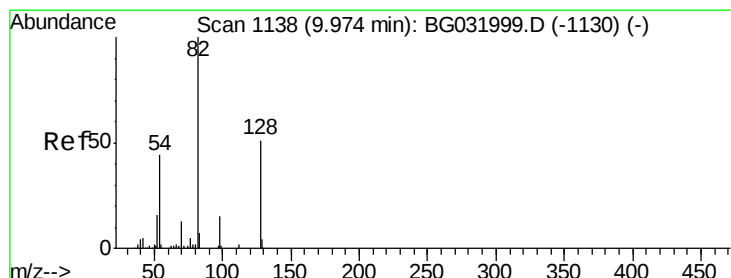
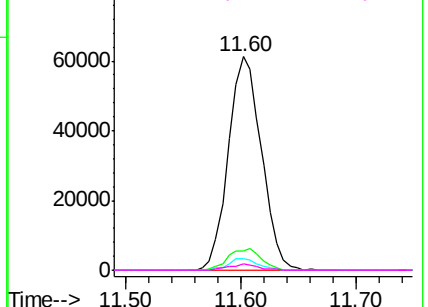


Abundance Ion 136.00 (135.70 to 136.70): E

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: 108.529 ng

RT: 9.92 min Scan# 1129

Delta R.T. -0.00 min

Lab File: BG032373.D

Acq: 28 Jan 2018 2:29

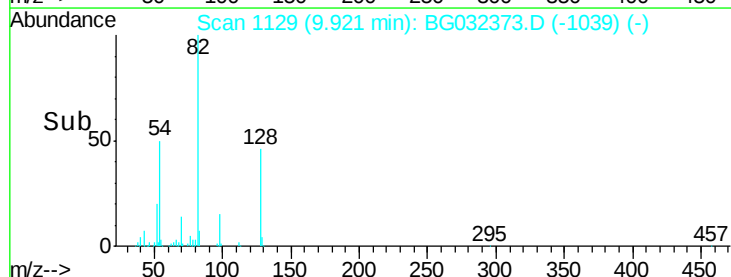
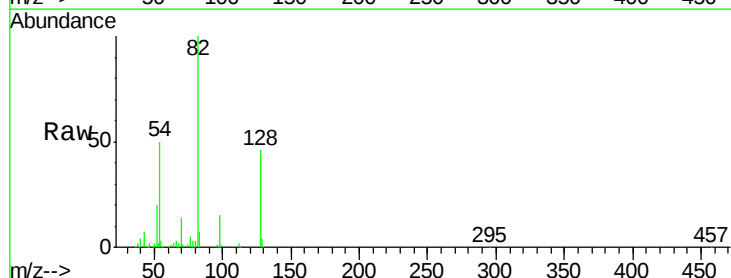
Tgt Ion: 82 Resp: 195060

Ion Ratio Lower Upper

82 100

128 46.3 29.7 44.5#

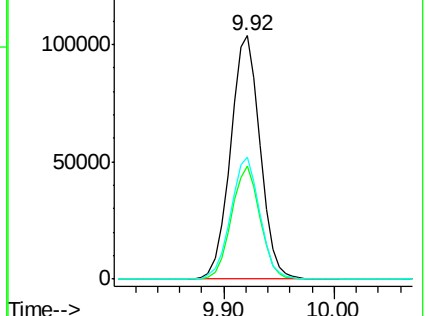
54 50.1 43.1 64.7

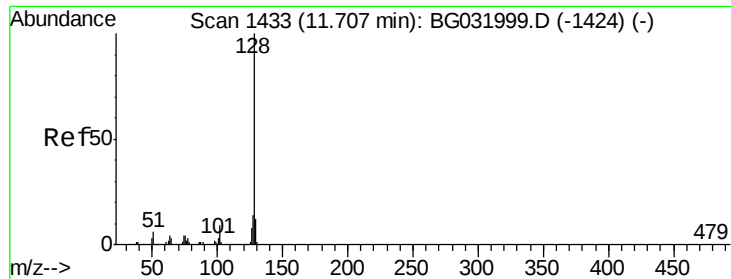


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

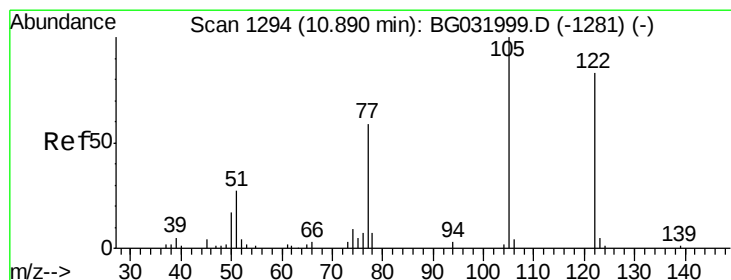
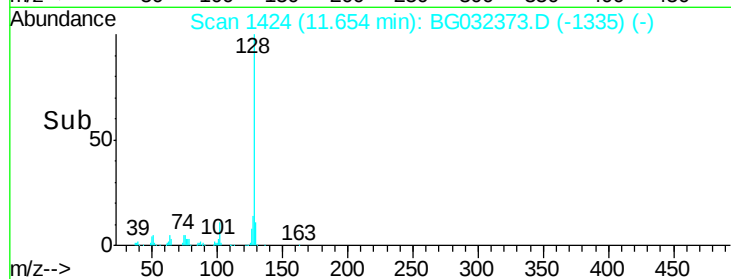
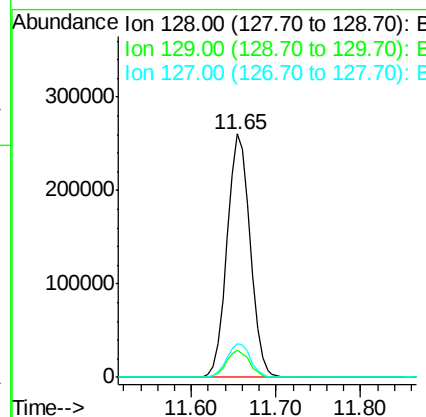
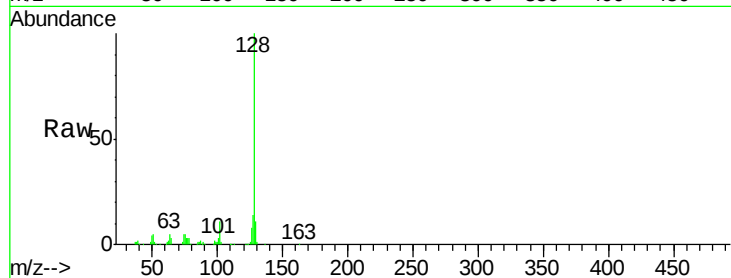




#31
Naphthalene
Concen: 81.212 ng
RT: 11.65 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BG032373.D
Acq: 28 Jan 2018 2:29

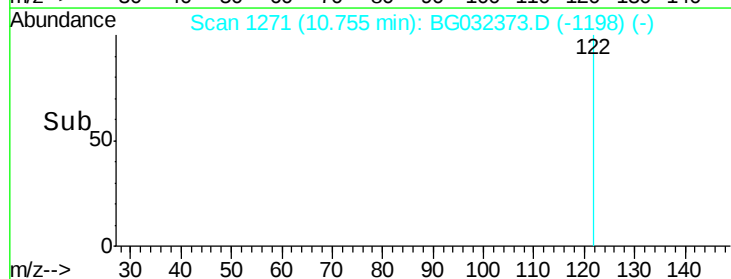
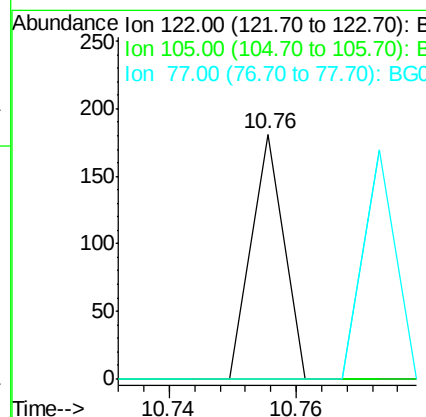
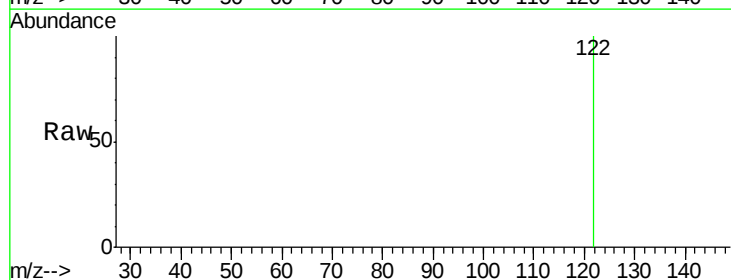
Instrument :
BNA_G
ClientSampleId :

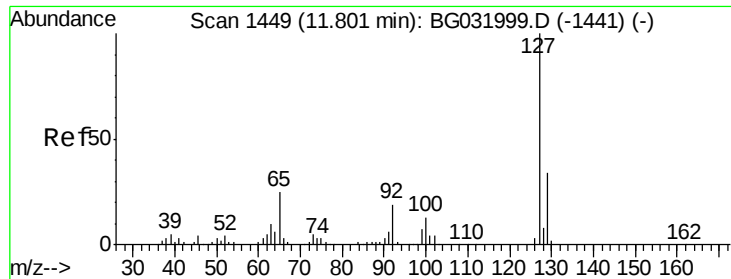
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.6	12.8
127	14.0	11.6	17.4



#32
Benzoic acid
Concen: 5.298 ng
RT: 10.76 min Scan# 1271
Delta R.T. -0.10 min
Lab File: BG032373.D
Acq: 28 Jan 2018 2:29

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

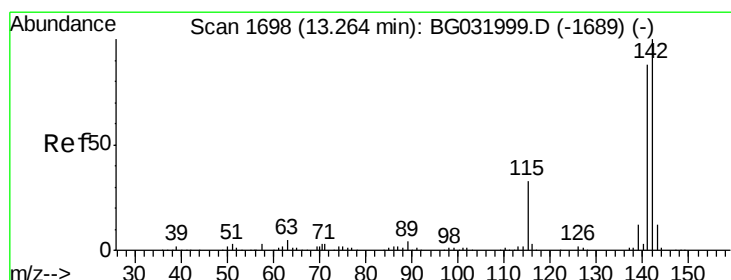
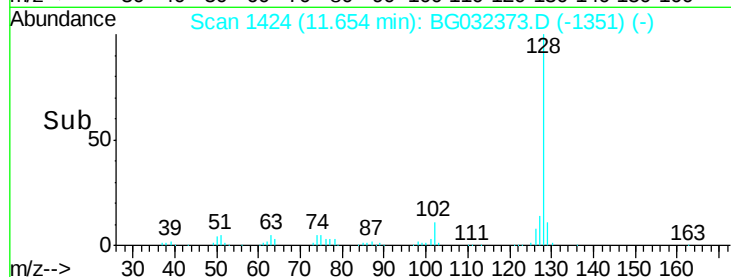
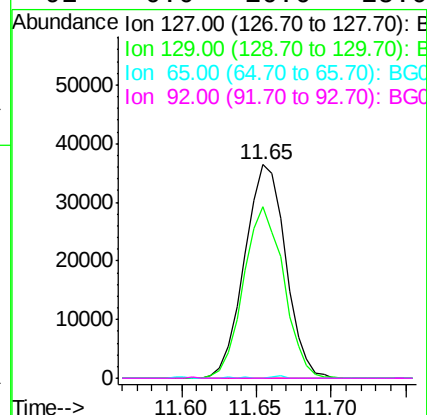
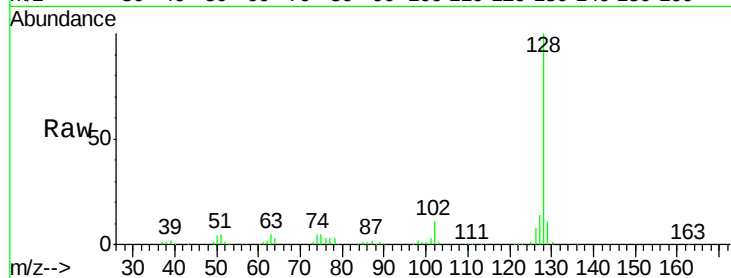




#33
4-Chloroaniline
Concen: 26.811 ng
RT: 11.65 min Scan# 1424
Delta R.T. -0.10 min
Lab File: BG032373.D
Acq: 28 Jan 2018 2:29

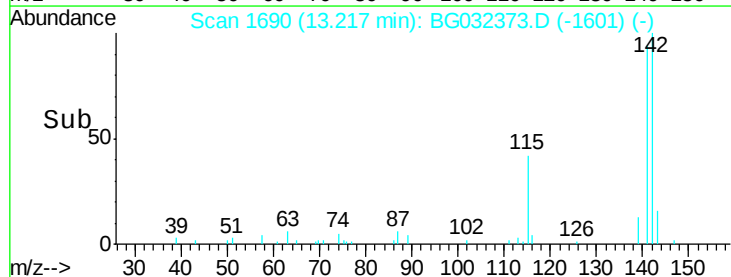
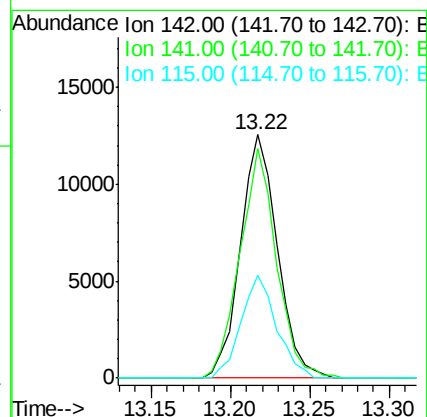
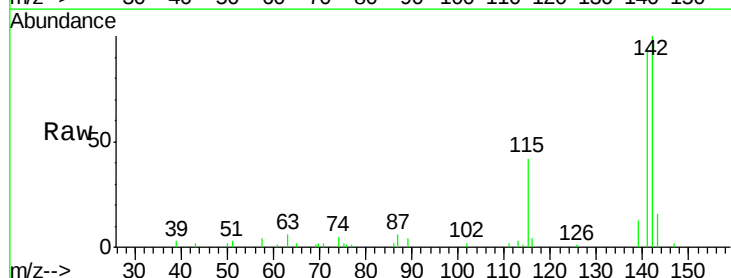
Instrument :
BNA_G
ClientSampleId :

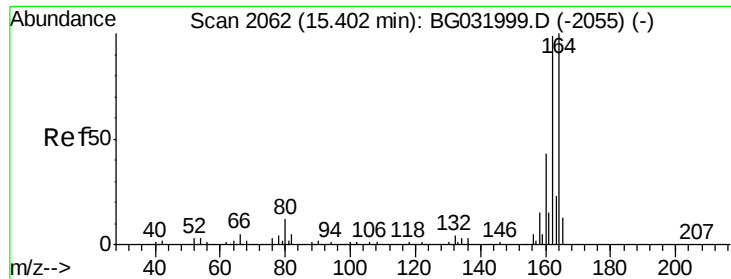
Tot Ion:	127	Resp:	69253
Ion	Ratio	Lower	Upper
127	100		
129	80.2	24.0	36.0#
65	0.0	27.0	40.4#
92	0.0	16.6	25.0#



#37
2-Methylnaphthalene
Concen: 4.246 ng
RT: 13.22 min Scan# 1690
Delta R.T. -0.01 min
Lab File: BG032373.D
Acq: 28 Jan 2018 2:29

Tgt Ion:	142	Resp:	20306
Ion	Ratio	Lower	Upper
142	100		
141	94.2	67.1	100.7
115	42.1	30.7	46.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.36 min Scan# 2054

Delta R.T. -0.01 min

Lab File: BG032373.D

Acq: 28 Jan 2018 2:29

Instrument :

BNA_G

ClientSampleId :

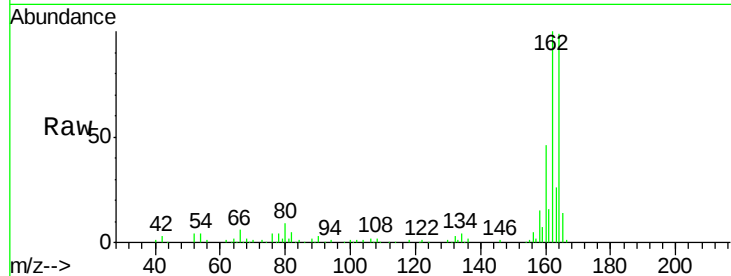
Tot Ion:164 Resp: 82433

Ion Ratio Lower Upper

164 100

162 101.5 78.8 118.2

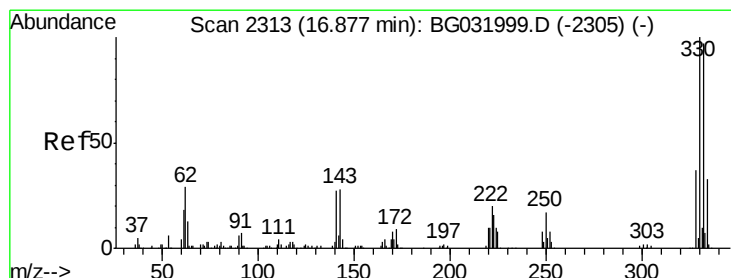
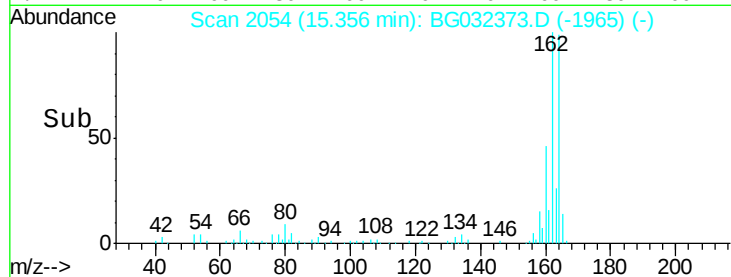
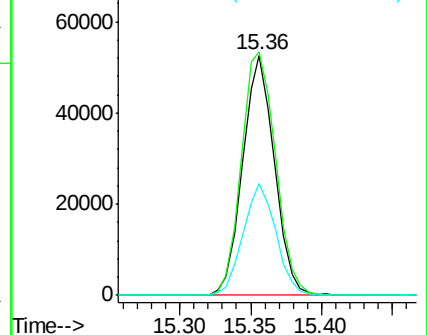
160 46.4 35.4 53.0



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: 176.021 ng

RT: 16.84 min Scan# 2306

Delta R.T. -0.00 min

Lab File: BG032373.D

Acq: 28 Jan 2018 2:29

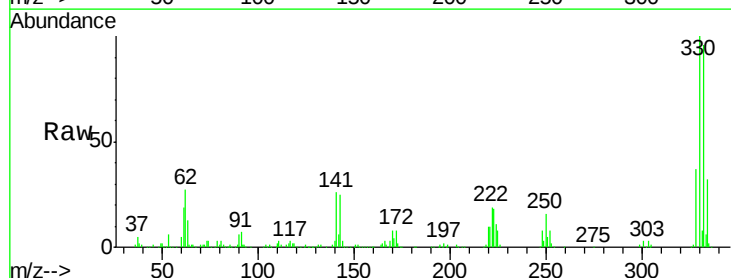
Tgt Ion:330 Resp: 240105

Ion Ratio Lower Upper

330 100

332 96.4 77.0 115.6

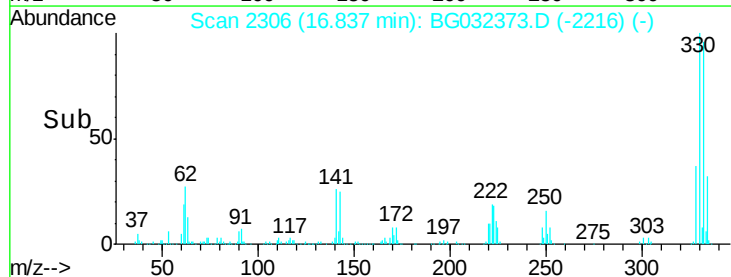
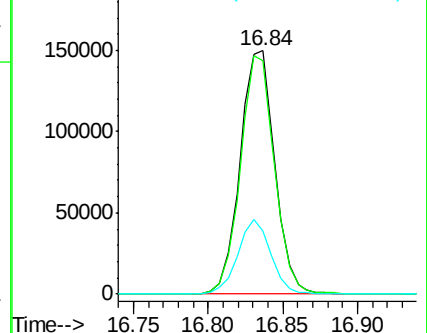
141 29.4 25.2 37.8

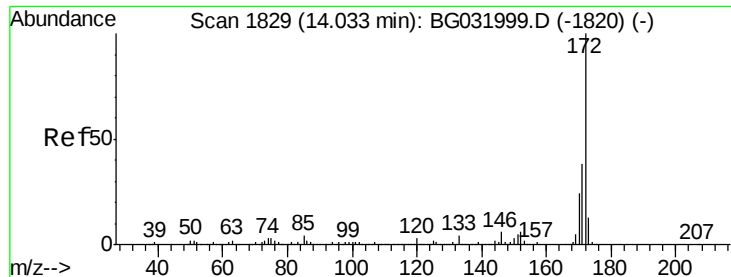


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

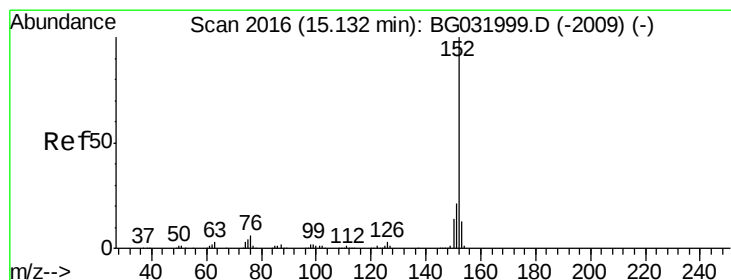
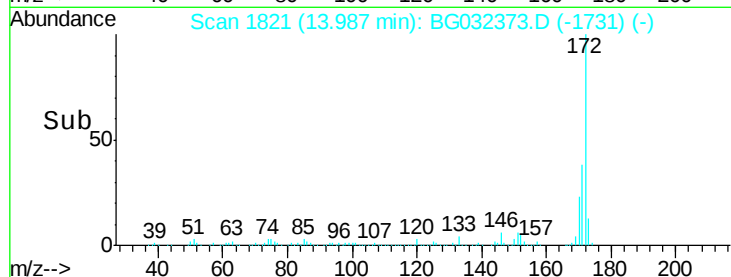
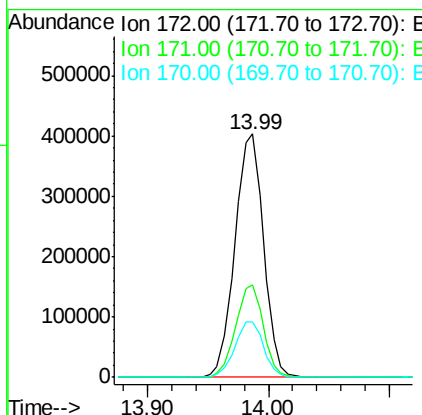
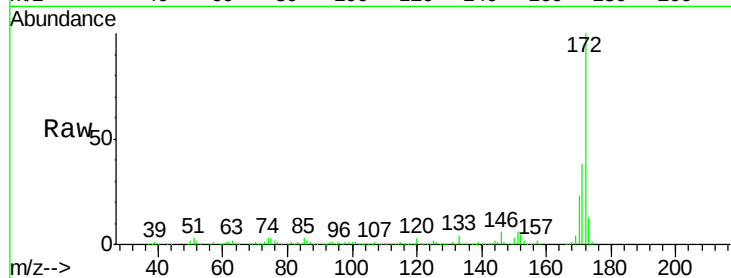




#44
2-Fluorobiphenyl
Concen: 100.197 ng
RT: 13.99 min Scan# 1821
Delta R.T. -0.00 min
Lab File: BG032373.D
Acq: 28 Jan 2018 2:29

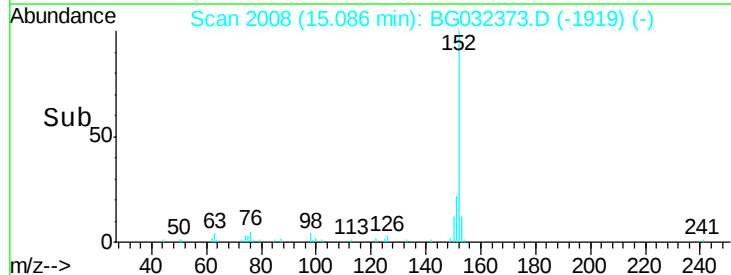
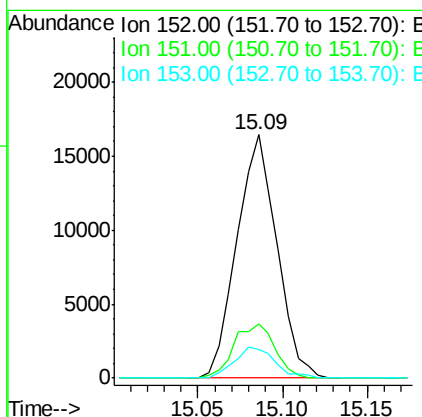
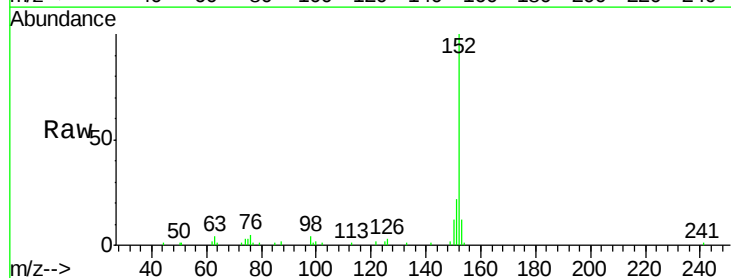
Instrument :
BNA_G
ClientSampleId :

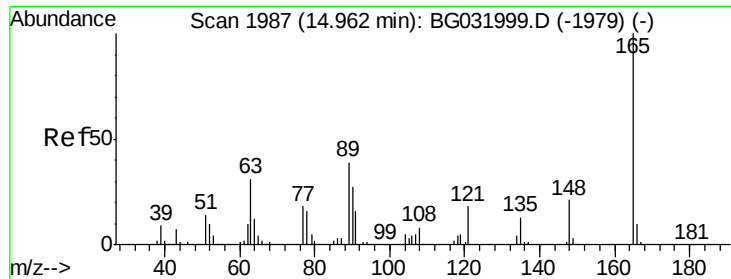
Tot Ion:172 Resp: 666121
Ion Ratio Lower Upper
172 100
171 37.9 30.0 45.0
170 23.0 19.5 29.3



#48
Acenaphthylene
Concen: 3.237 ng
RT: 15.09 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BG032373.D
Acq: 28 Jan 2018 2:29

Tgt Ion:152 Resp: 27095
Ion Ratio Lower Upper
152 100
151 22.3 17.2 25.8
153 11.7 10.2 15.4

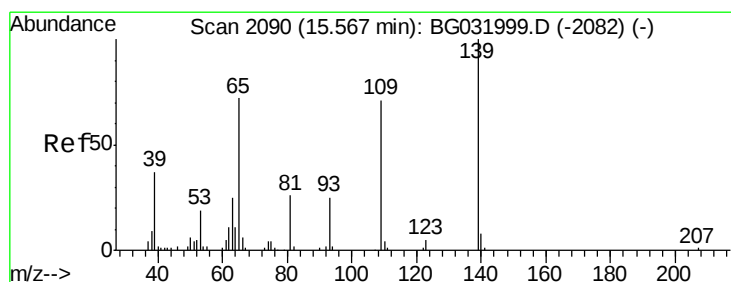
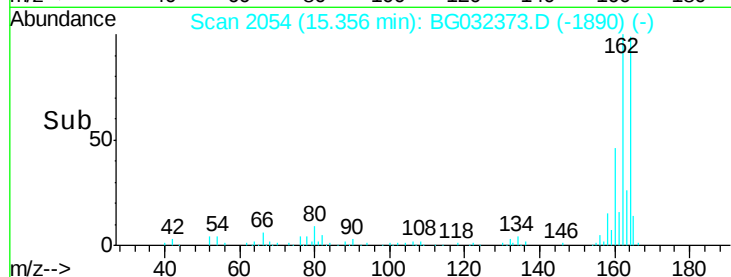
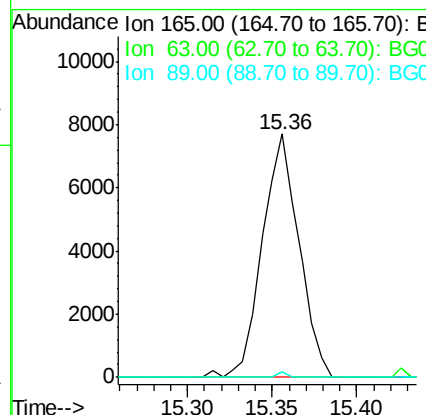
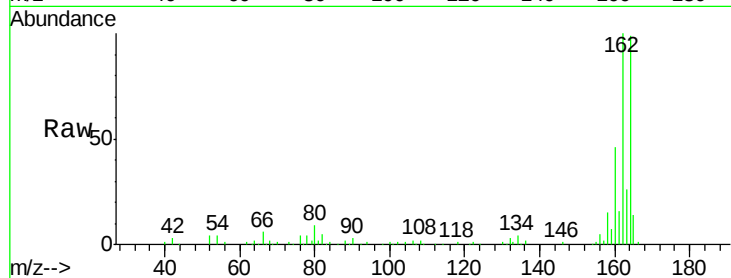




#50
 2,6-Dinitrotoluene
 Concen: 7.764 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. 0.43 min
 Lab File: BG032373.D
 Acq: 28 Jan 2018 2:29

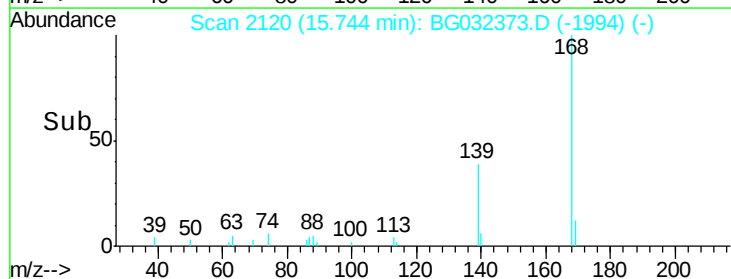
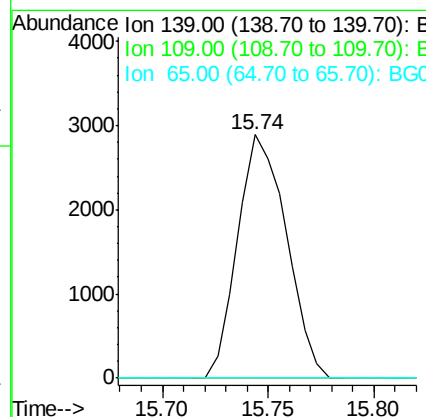
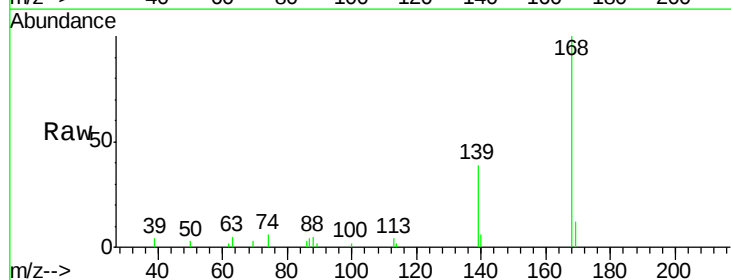
Instrument :
 BNA_G
 ClientSampleId :

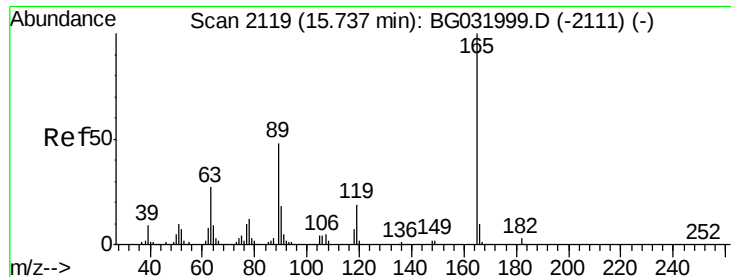
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.4	52.7	79.1#
89	2.2	49.2	73.8#



#55
 4-Nitrophenol
 Concen: 4.690 ng
 RT: 15.74 min Scan# 2120
 Delta R.T. 0.21 min
 Lab File: BG032373.D
 Acq: 28 Jan 2018 2:29

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	62.2	102.2#
65	0.0	97.2	137.2#

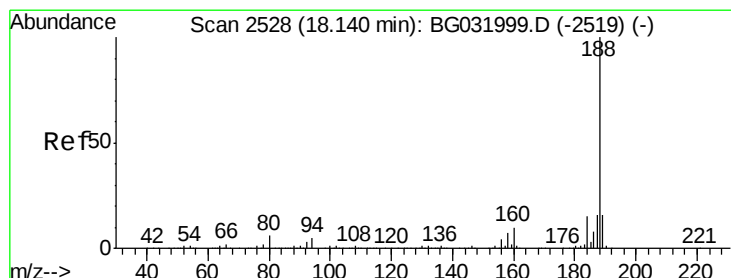
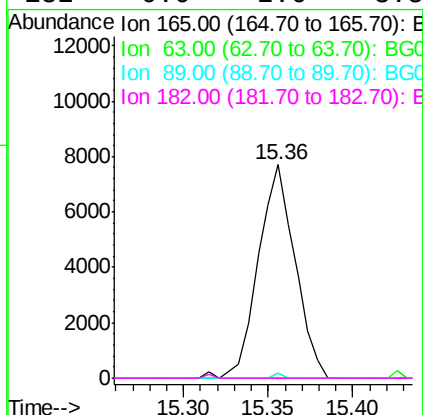
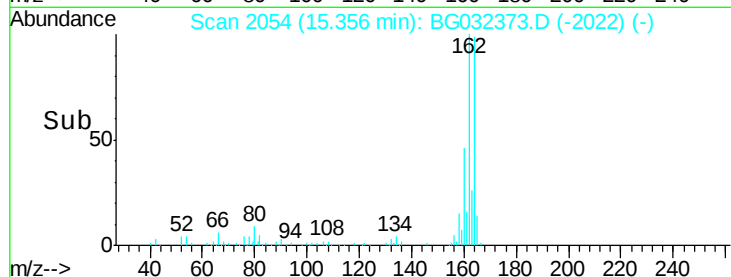
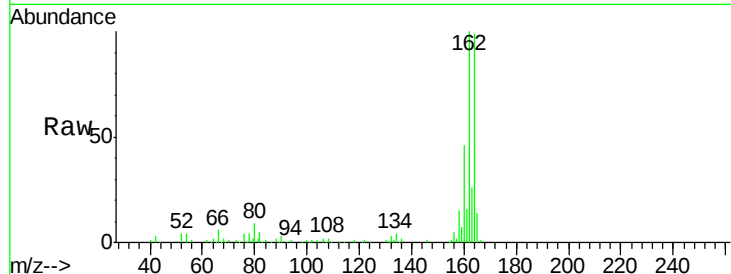




#56
 2,4-Dinitrotoluene
 Concen: 5.767 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. -0.34 min
 Lab File: BG032373.D
 Acq: 28 Jan 2018 2:29

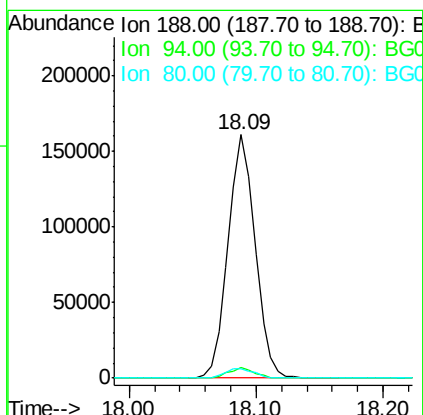
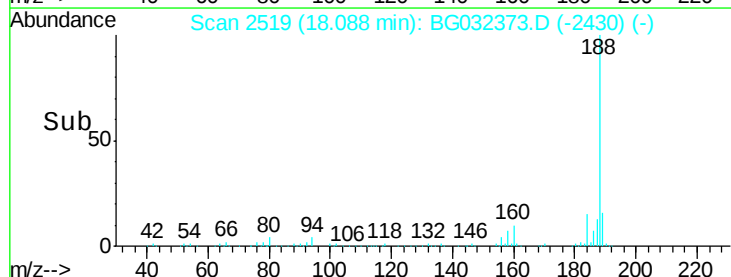
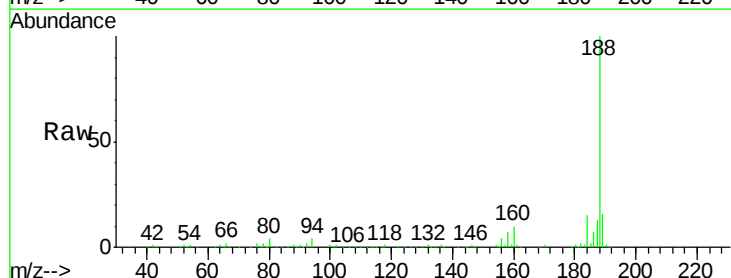
Instrument :
 BNA_G
 ClientSampleId :

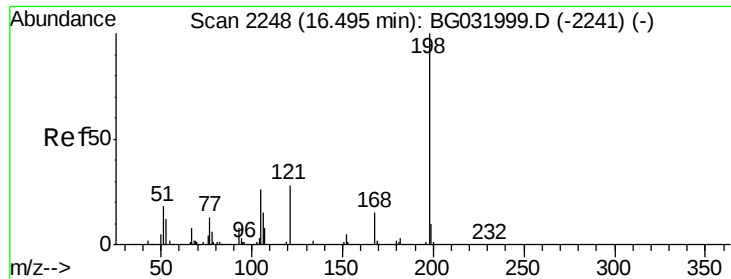
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.4	42.0	63.0#
89	2.2	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.09 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BG032373.D
 Acq: 28 Jan 2018 2:29

Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.3	6.9	10.3#
80	3.9	7.7	11.5#





#64

4,6-Dinitro-2-methylphenol

Concen: 5.397 ng

RT: 16.82 min Scan# 2304

Delta R.T. 0.37 min

Lab File: BG032373.D

Acq: 28 Jan 2018 2:29

Instrument :

BNA_G

ClientSampleId :

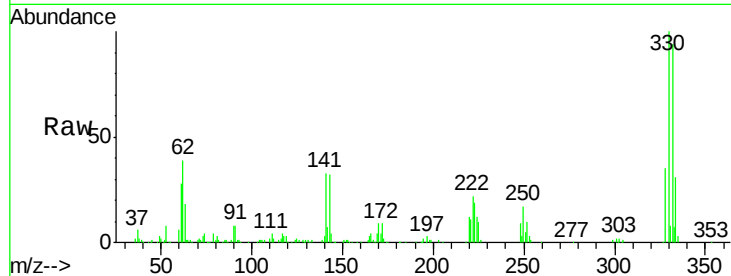
Tot Ion:198 Resp: 868

Ion Ratio Lower Upper

198 100

51 69.4 30.6 70.6

105 102.0 23.8 63.8#



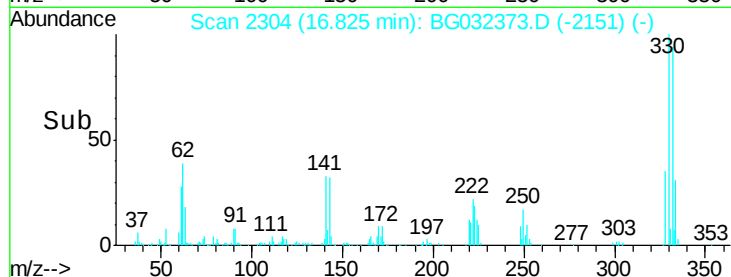
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

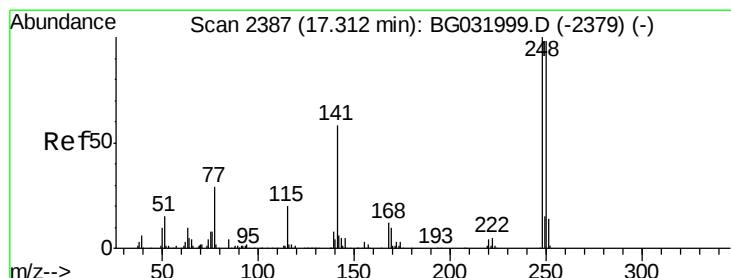
Ion 105.00 (104.70 to 105.70): E

16.82

16.85



Time-->



#66

4-Bromophenyl-phenylether

Concen: 5.995 ng

RT: 16.83 min Scan# 2305

Delta R.T. -0.44 min

Lab File: BG032373.D

Acq: 28 Jan 2018 2:29

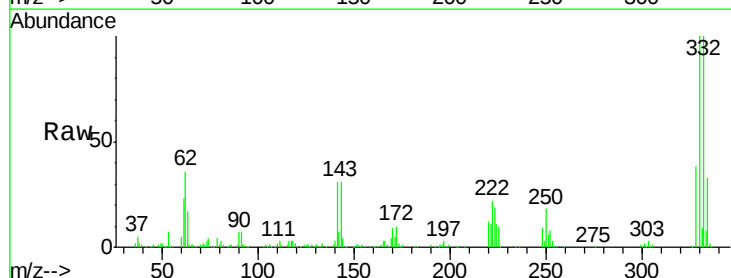
Tgt Ion:248 Resp: 20262

Ion Ratio Lower Upper

248 100

250 206.6 77.1 115.7#

141 367.6 50.8 76.2#



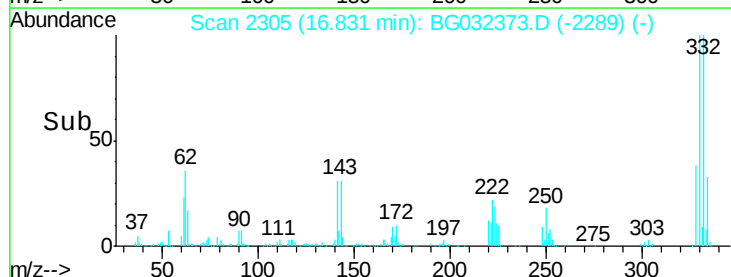
Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

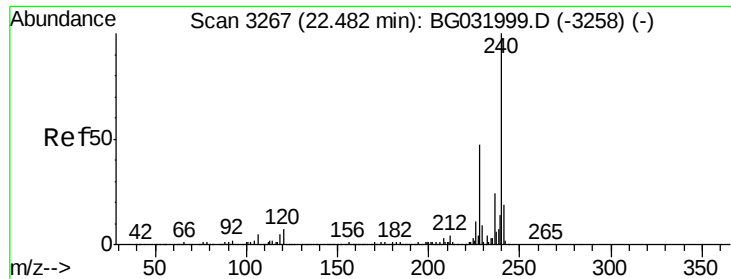
Ion 141.00 (140.70 to 141.70): E

16.83

16.90



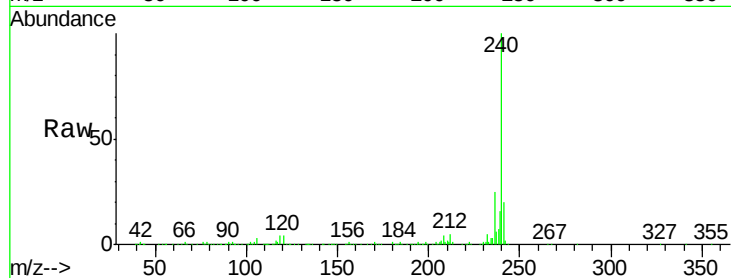
Time-->



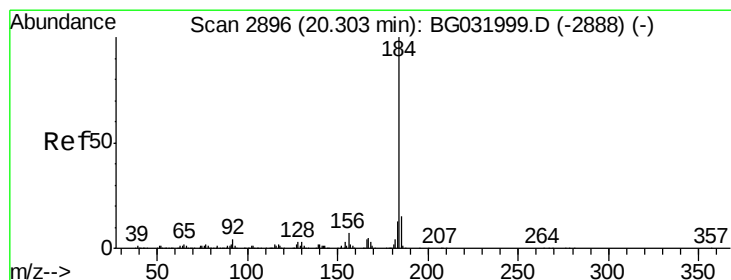
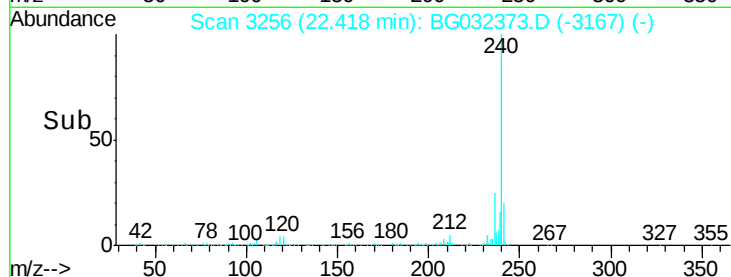
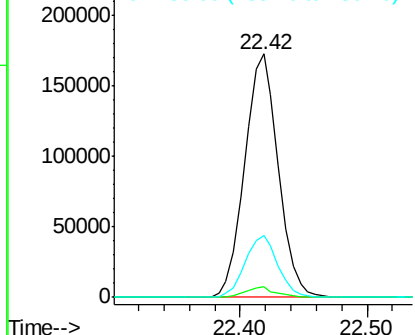
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.42 min Scan# 3256
Delta R.T. -0.01 min
Lab File: BG032373.D
Acq: 28 Jan 2018 2:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion:240 Resp: 316672
Ion Ratio Lower Upper
240 100
120 4.1 6.8 10.2#
236 25.2 20.9 31.3

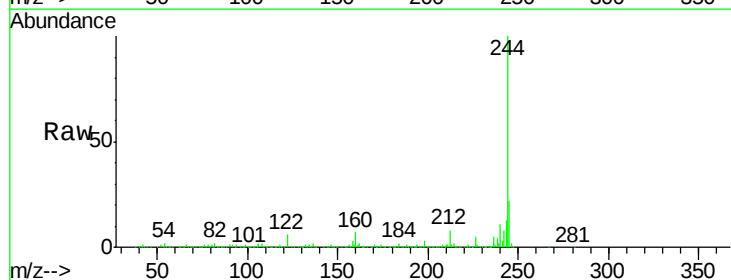


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

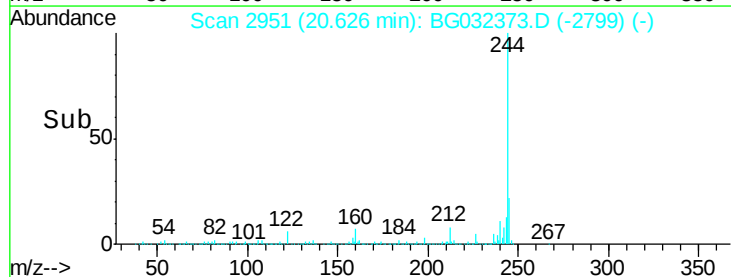
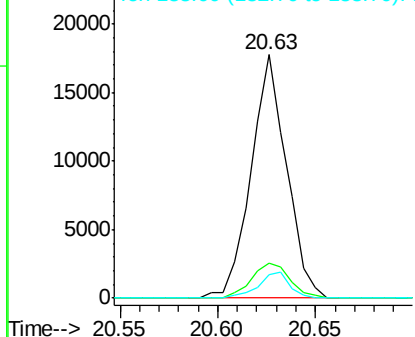


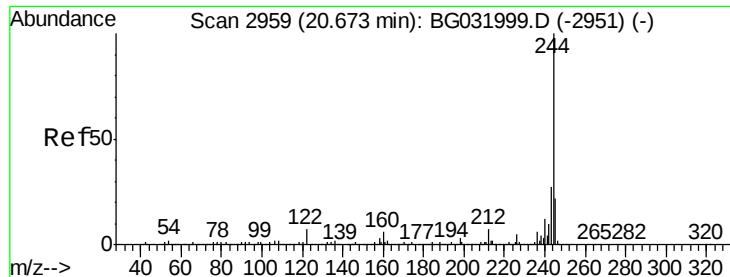
#76
Benzidine
Concen: 2.814 ng
RT: 20.63 min Scan# 2951
Delta R.T. 0.36 min
Lab File: BG032373.D
Acq: 28 Jan 2018 2:29

Tgt Ion:184 Resp: 22280
Ion Ratio Lower Upper
184 100
185 14.3 11.1 16.7
183 9.7 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: 104.222 ng

RT: 20.63 min Scan# 2951

Delta R.T. -0.01 min

Lab File: BG032373.D

Acq: 28 Jan 2018 2:29

Instrument :

BNA_G

ClientSampleId :

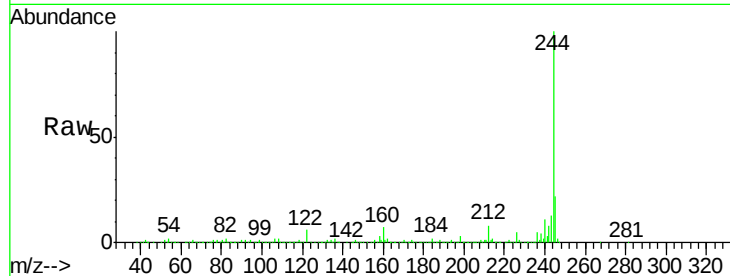
Tot Ion:244 Resp: 1494731

Ion Ratio Lower Upper

244 100

212 7.9 5.8 8.8

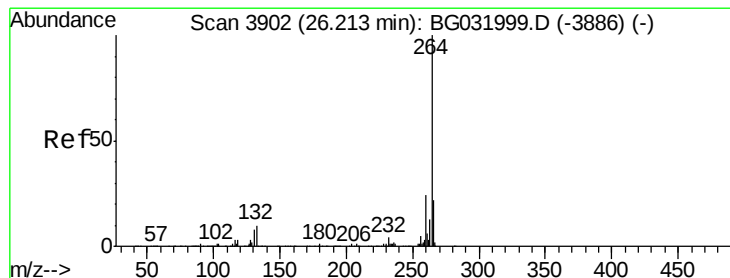
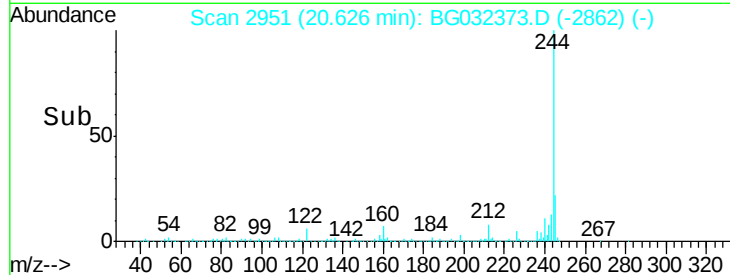
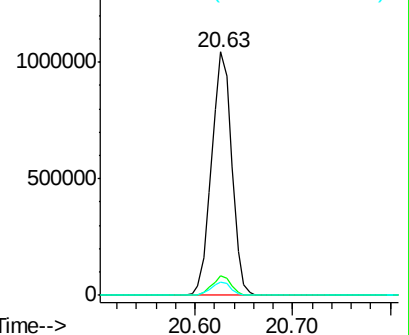
122 5.5 7.0 10.4#



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: 26.10 min Scan# 3882

Delta R.T. -0.01 min

Lab File: BG032373.D

Acq: 28 Jan 2018 2:29

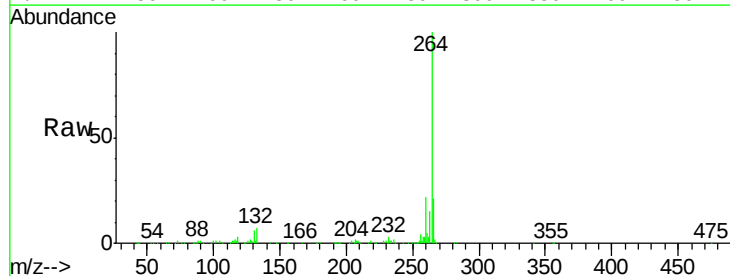
Tgt Ion:264 Resp: 317552

Ion Ratio Lower Upper

264 100

260 22.1 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

