

Data Path : U:\HPCHEM1\BNA G\DATA\BG012018\
 Data File : BG032201.D
 Acq On : 21 Jan 2018 5:19
 Operator : SJ/JU
 Sample : J1210-12
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 22 06:01:14 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

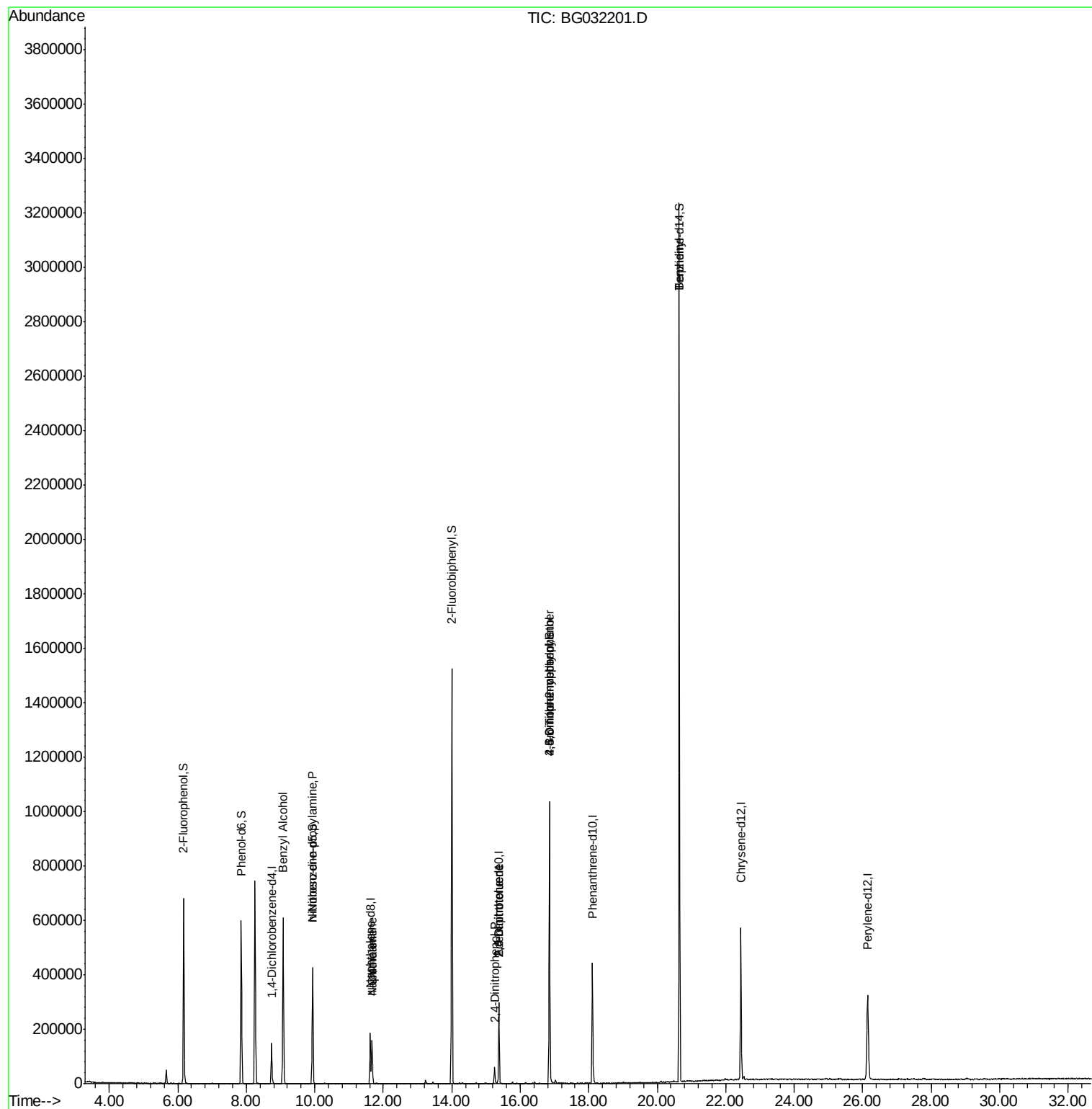
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	48167	20.00	ng	0.00
21) Naphthalene-d8	11.62	136	183114	20.00	ng	0.00
38) Acenaphthene-d10	15.37	164	116677	20.00	ng	0.00
63) Phenanthrene-d10	18.11	188	308708	20.00	ng	0.00
75) Chrysene-d12	22.44	240	422702	20.00	ng	0.00
86) Perylene-d12	26.14	264	435428	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.17	112	332170	126.13	ng	0.00
7) Phenol-d6	7.85	99	369112	111.28	ng	0.00
23) Nitrobenzene-d5	9.94	82	264338	97.66	ng	0.00
41) 2,4,6-Tribromophenol	16.86	330	249742	129.35	ng	0.00
44) 2-Fluorobiphenyl	14.01	172	897964	95.43	ng	0.00
78) Terphenyl-d14	20.65	244	1753386	91.59	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.07	79	4840	2.009	ng	# 54
19) n-Nitroso-di-n-propylamine	9.94	70	37302	18.126	ng	# 78
31) Naphthalene	11.67	128	144026	15.878	ng	# 98
33) 4-Chloroaniline	11.67	127	20012	5.145	ng	# 30
50) 2,6-Dinitrotoluene	15.37	165	15518	7.322	ng	# 20
53) 2,4-Dinitrophenol	15.25	184	628	7.503	ng	# 1
56) 2,4-Dinitrotoluene	15.37	165	15518	5.439	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.84	198	536	5.128	ng	# 1
66) 4-Bromophenyl-phenylether	16.85	248	21754	4.953	ng	# 1
76) Benzidine	20.65	184	25168	2.381	ng	# 92

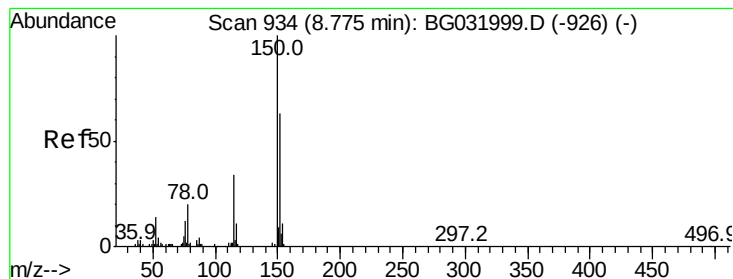
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.74 min Scan# 928

Delta R.T. -0.00 min

Lab File: BG032201.D

Acq: 21 Jan 2018 5:19

Instrument :

BNA_G

ClientSampleId :

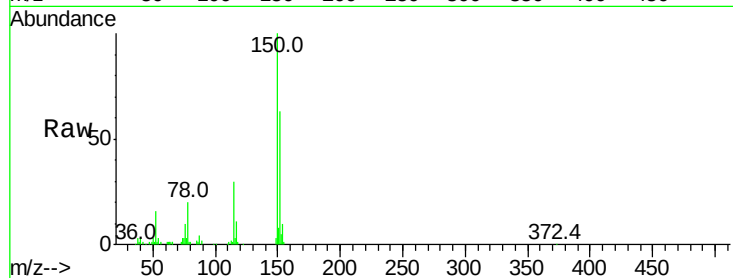
Tot Ion:152 Resp: 48167

Ion Ratio Lower Upper

152 100

150 159.6 126.6 189.8

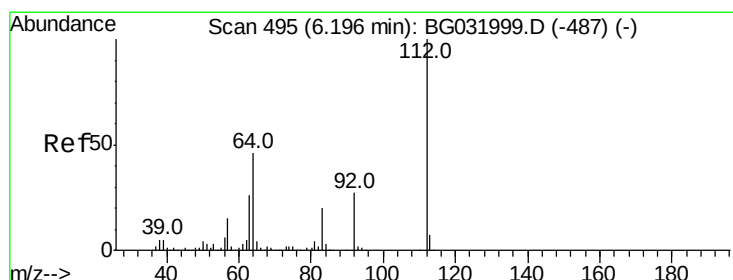
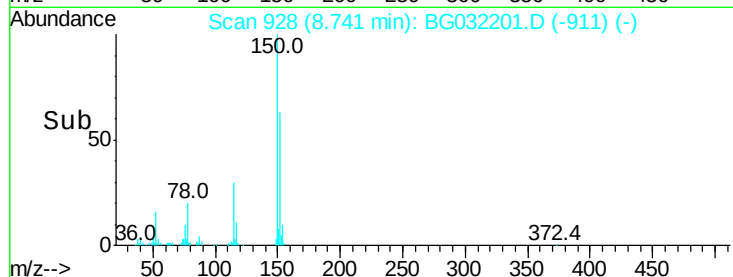
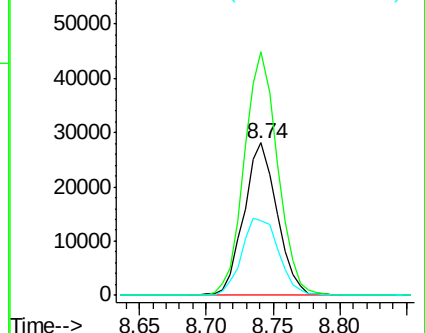
115 48.7 53.0 79.4#



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: 126.127 ng

RT: 6.17 min Scan# 491

Delta R.T. 0.01 min

Lab File: BG032201.D

Acq: 21 Jan 2018 5:19

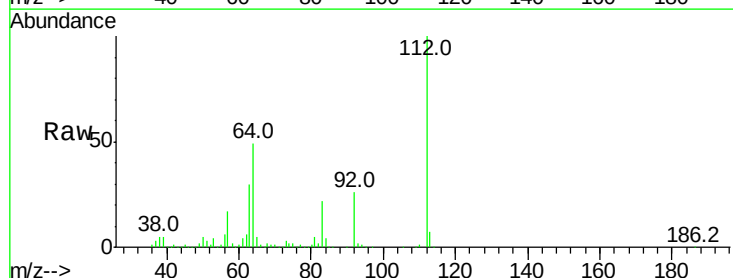
Tgt Ion:112 Resp: 332170

Ion Ratio Lower Upper

112 100

64 49.3 56.3 84.5#

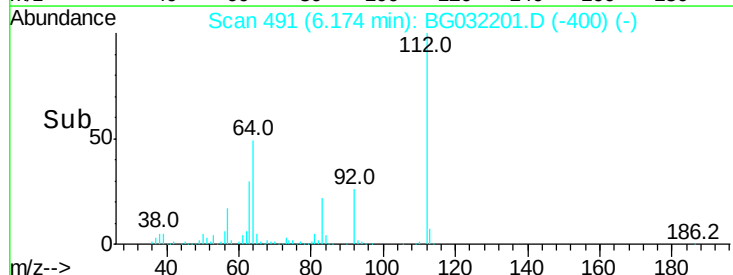
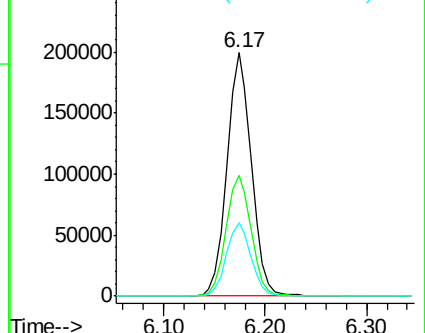
63 30.3 30.1 45.1

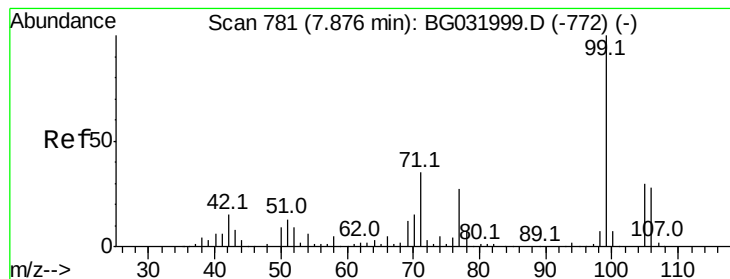


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 111.283 ng

RT: 7.85 min Scan# 777

Delta R.T. 0.01 min

Lab File: BG032201.D

Acq: 21 Jan 2018 5:19

Instrument :

BNA_G

ClientSampleId :

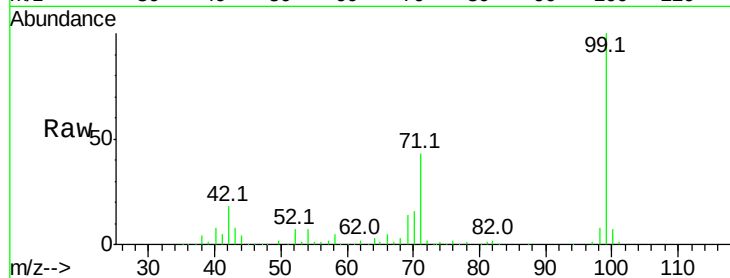
Tot Ion: 99 Resp: 369112

Ion Ratio Lower Upper

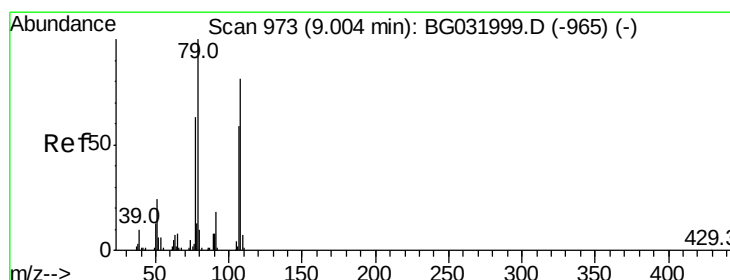
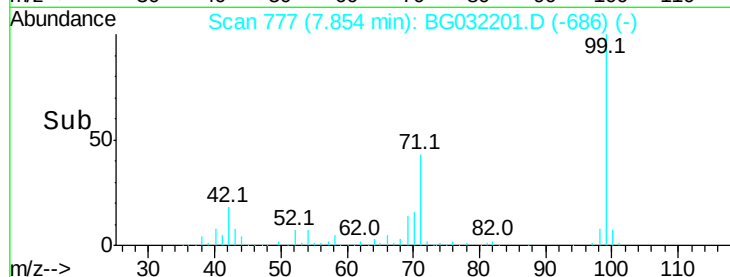
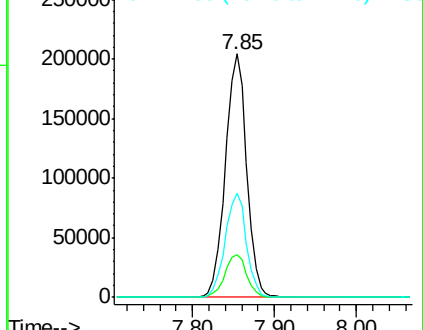
99 100

42 17.7 14.1 21.1

71 42.8 26.1 39.1#



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#15

Benzyl Alcohol

Concen: 2.009 ng

RT: 9.07 min Scan# 984

Delta R.T. 0.09 min

Lab File: BG032201.D

Acq: 21 Jan 2018 5:19

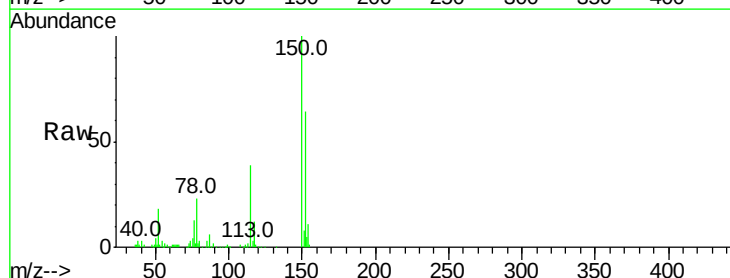
Tgt Ion: 79 Resp: 4840

Ion Ratio Lower Upper

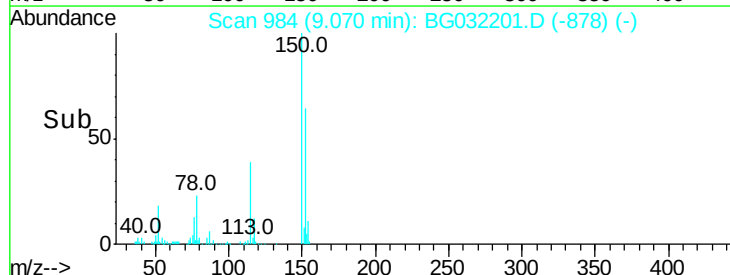
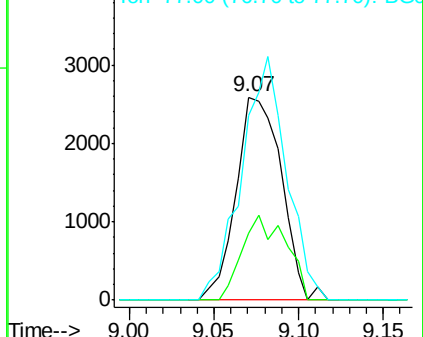
79 100

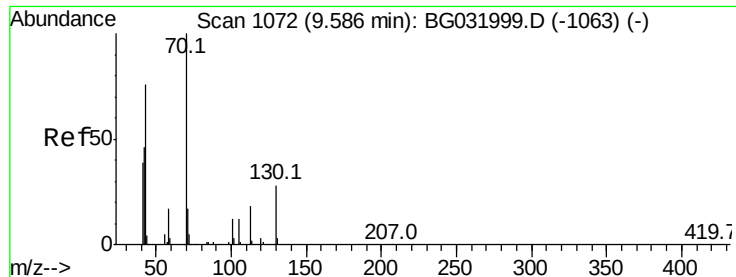
108 32.7 57.2 85.8#

77 90.7 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

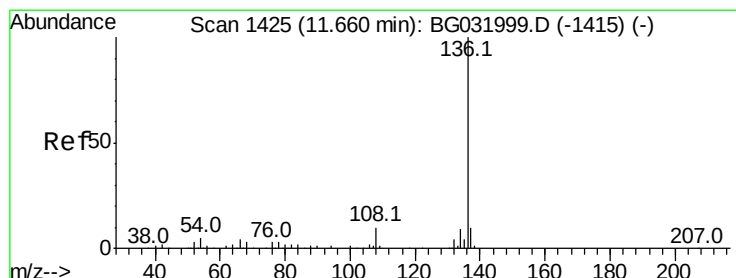
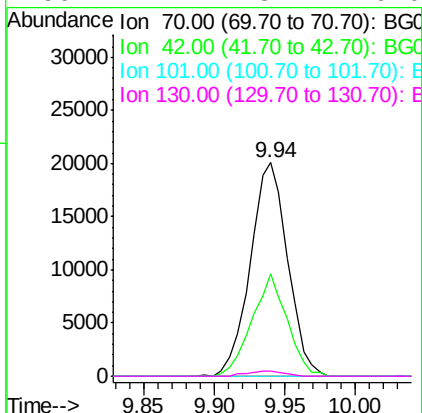
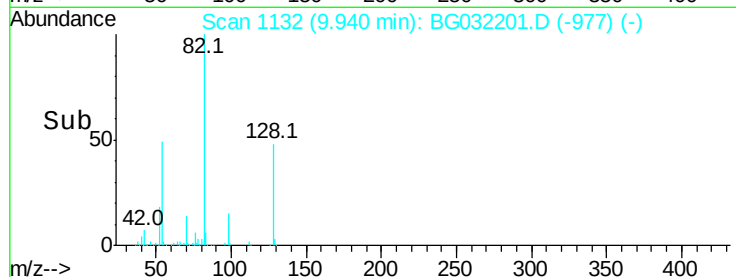
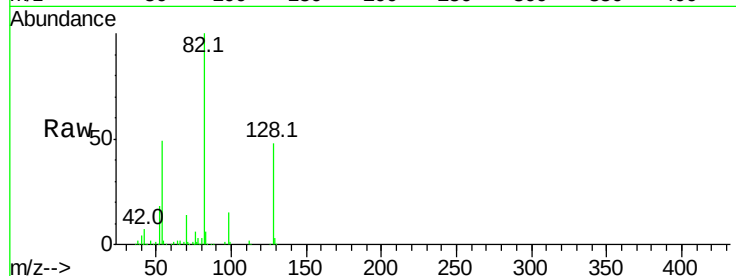




#19
n-Nitroso-di-n-propylamine
Concen: 18.126 ng
RT: 9.94 min Scan# 1132
Delta R.T. 0.38 min
Lab File: BG032201.D
Acq: 21 Jan 2018 5:19

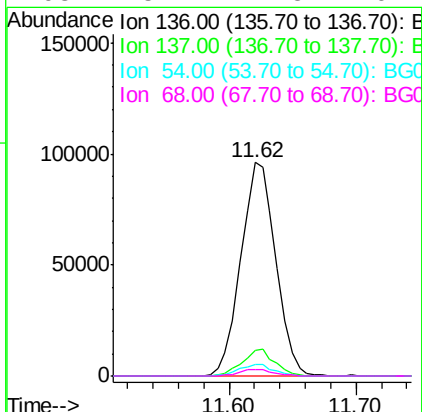
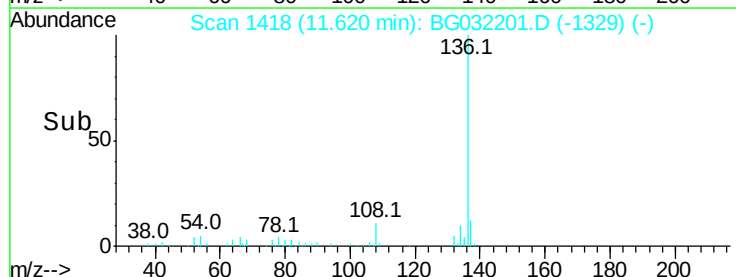
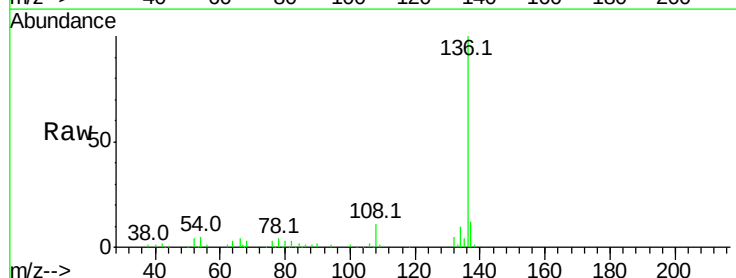
Instrument :
BNA_G
ClientSampleId :

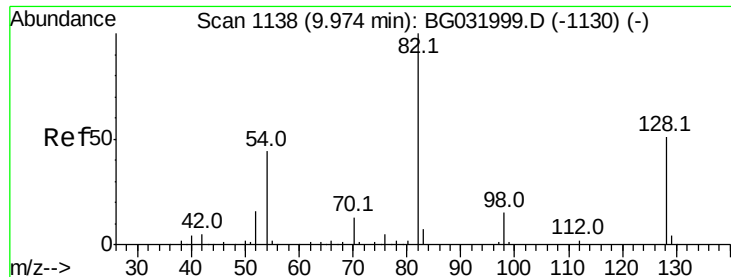
Tot Ion	Ratio	Lower	Upper
70	100		
42	48.0	49.1	73.7#
101	0.0	8.5	12.7#
130	2.2	13.4	20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.62 min Scan# 1418
Delta R.T. -0.01 min
Lab File: BG032201.D
Acq: 21 Jan 2018 5:19

Tgt Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.2	13.8
54	5.1	10.3	15.5#
68	3.2	4.5	6.7#

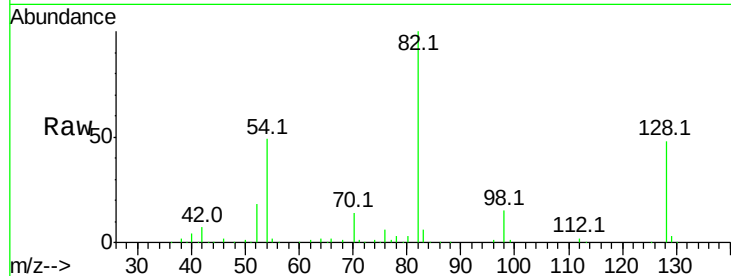




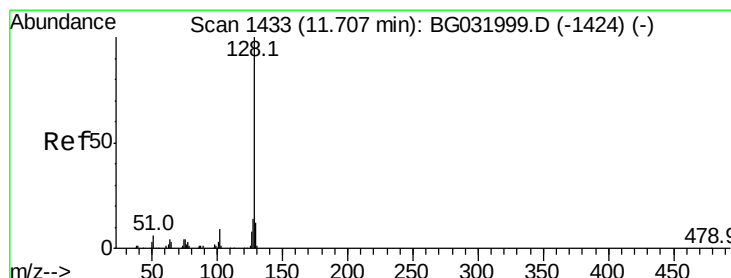
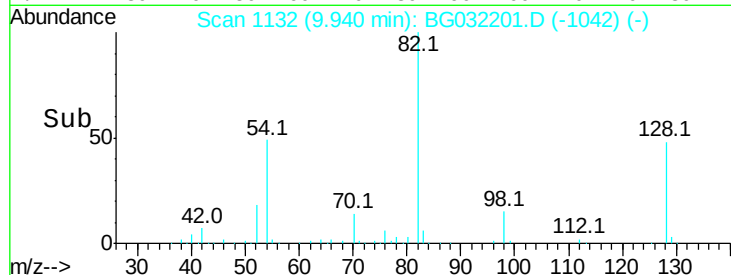
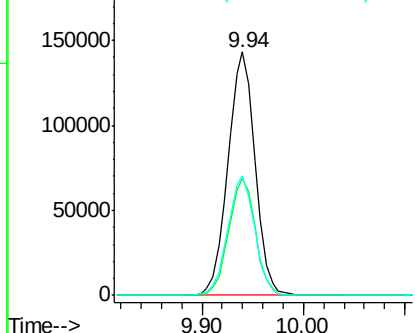
#23
Nitrobenzene-d5
Concen: 97.664 ng
RT: 9.94 min Scan# 1132
Delta R.T. -0.00 min
Lab File: BG032201.D
Acq: 21 Jan 2018 5:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 82 Resp: 264338
Ion Ratio Lower Upper
82 100
128 48.1 29.7 44.5#
54 49.1 43.1 64.7

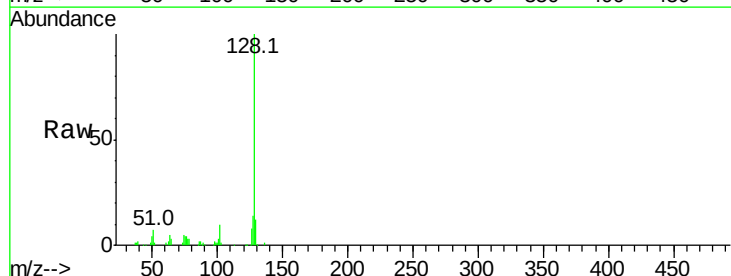


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

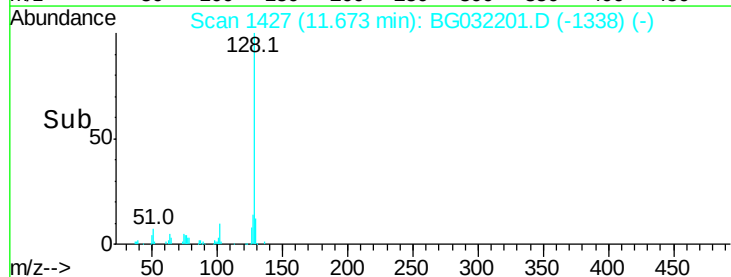
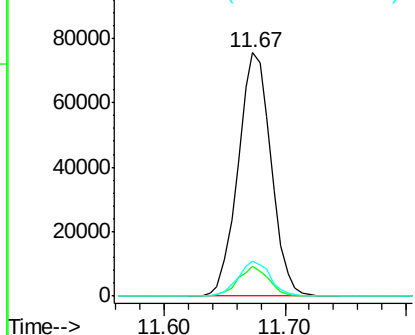


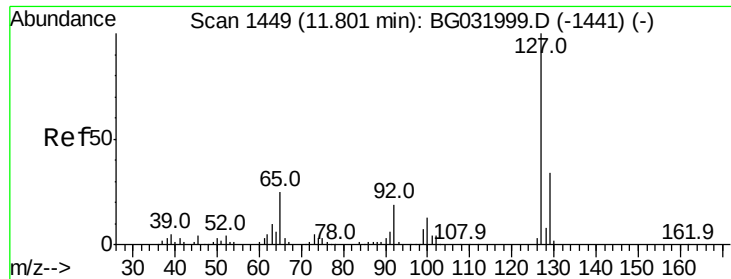
#31
Naphthalene
Concen: 15.878 ng
RT: 11.67 min Scan# 1427
Delta R.T. -0.01 min
Lab File: BG032201.D
Acq: 21 Jan 2018 5:19

Tgt Ion: 128 Resp: 144026
Ion Ratio Lower Upper
128 100
129 12.1 8.6 12.8
127 14.3 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC

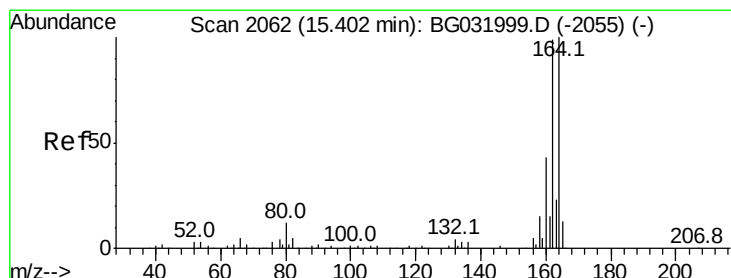
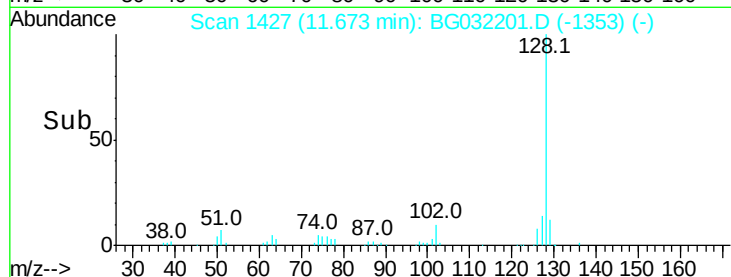
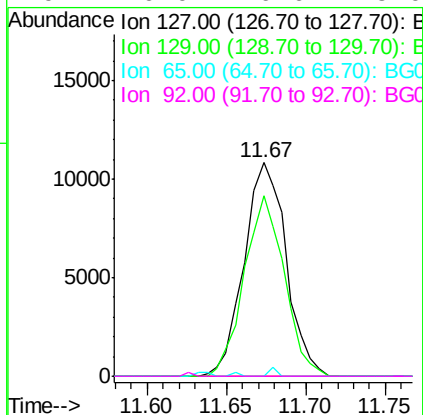
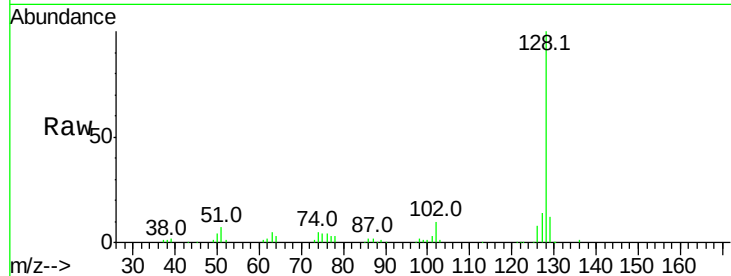




#33
4-Chloroaniline
Concen: 5.145 ng
RT: 11.67 min Scan# 1427
Delta R.T. -0.09 min
Lab File: BG032201.D
Acq: 21 Jan 2018 5:19

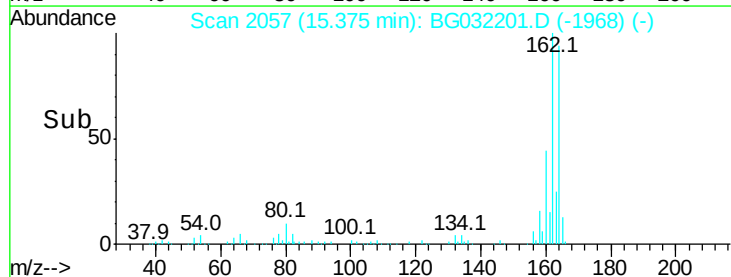
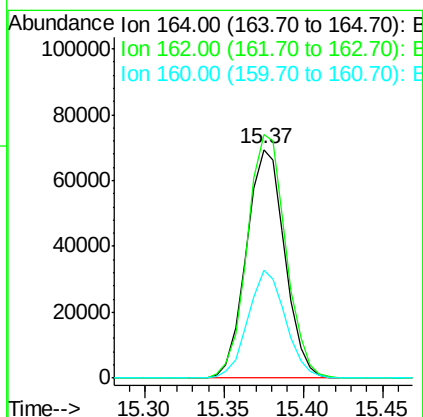
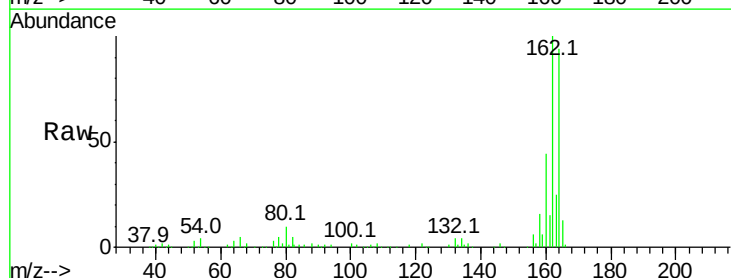
Instrument :
BNA_G
ClientSampleId :

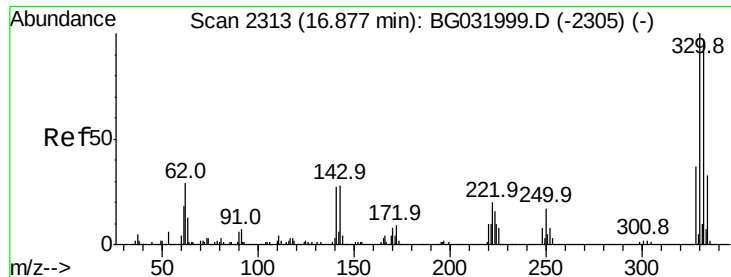
Tot Ion:	127	Resp:	20012
Ion	Ratio	Lower	Upper
127	100		
129	84.5	24.0	36.0#
65	0.0	27.0	40.4#
92	0.0	16.6	25.0#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.37 min Scan# 2057
Delta R.T. -0.01 min
Lab File: BG032201.D
Acq: 21 Jan 2018 5:19

Tgt Ion:	164	Resp:	116677
Ion	Ratio	Lower	Upper
164	100		
162	106.4	78.8	118.2
160	47.2	35.4	53.0

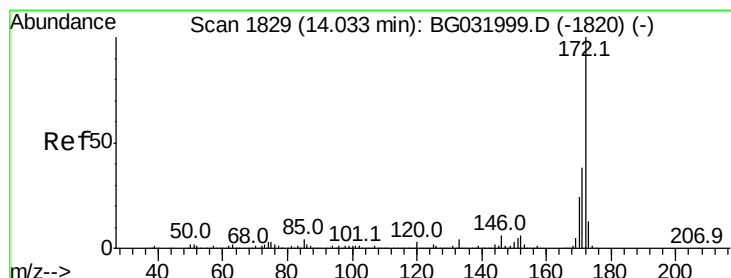
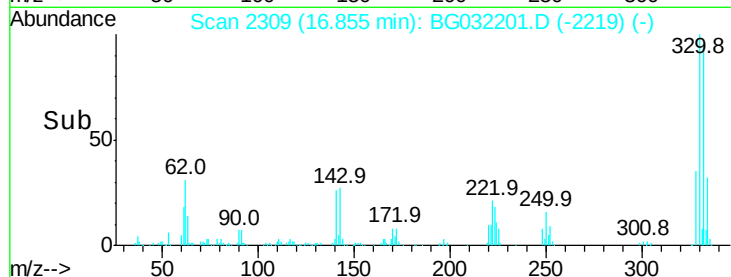
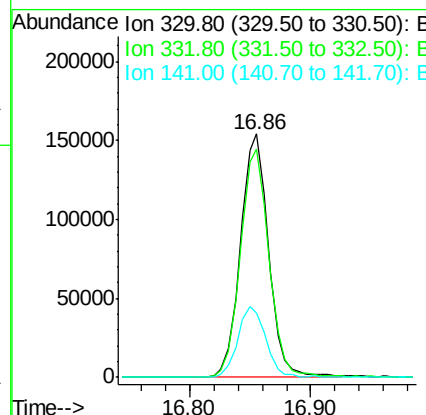
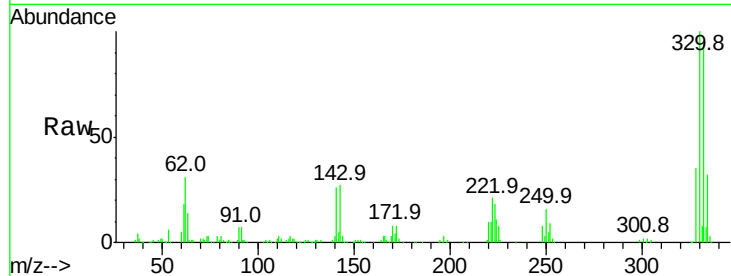




#41
 2,4,6-Tribromophenol
 Concen: 129.351 ng
 RT: 16.86 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: BG032201.D
 Acq: 21 Jan 2018 5:19

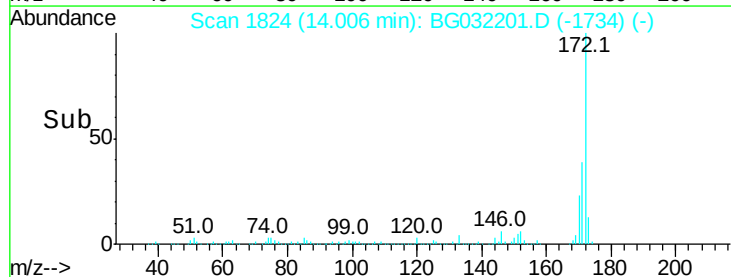
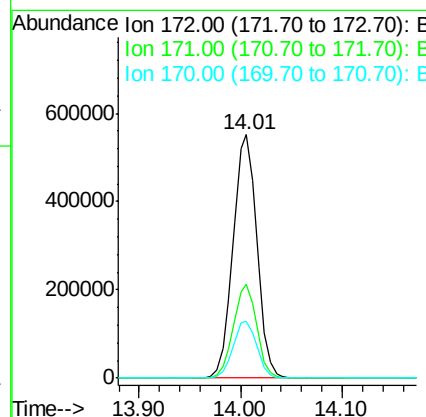
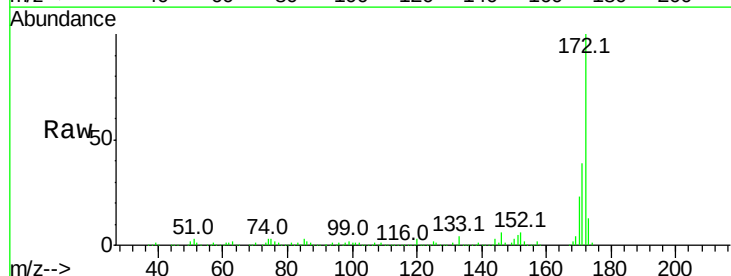
Instrument :
 BNA_G
 ClientSampleId :

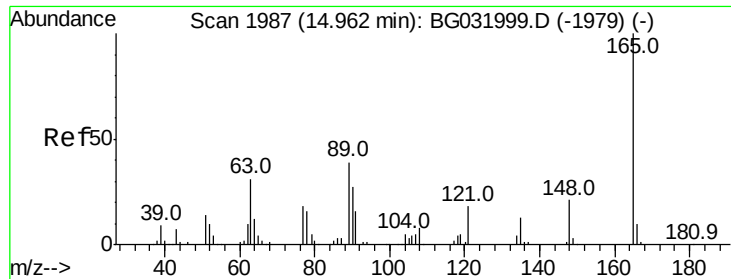
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.6
141	28.9	25.2	37.8



#44
 2-Fluorobiphenyl
 Concen: 95.429 ng
 RT: 14.01 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BG032201.D
 Acq: 21 Jan 2018 5:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.7	30.0	45.0
170	23.4	19.5	29.3

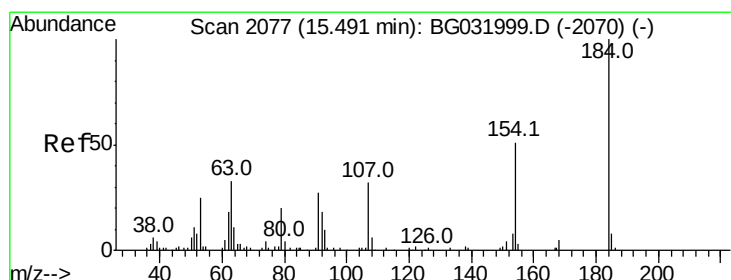
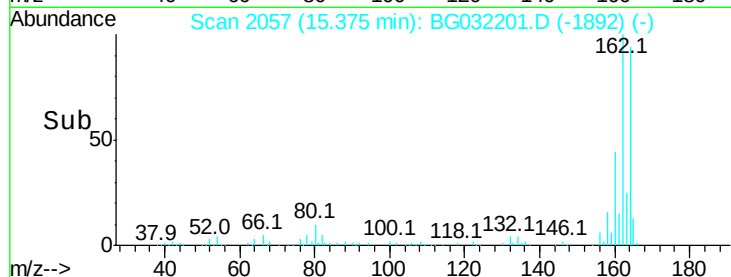
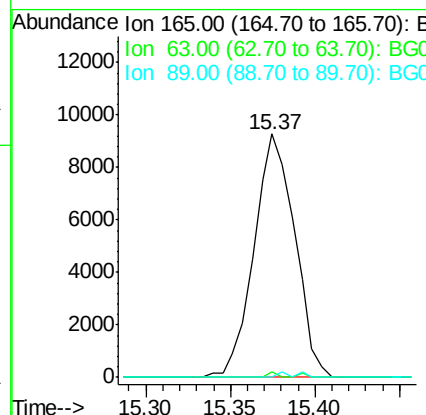
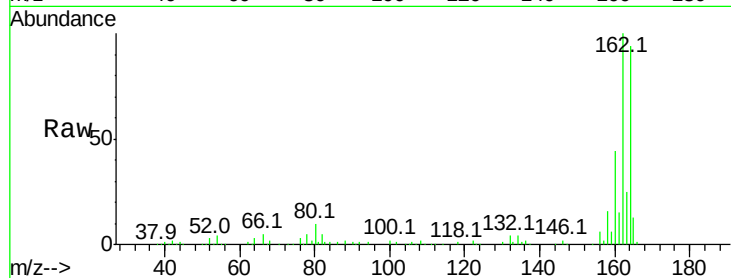




#50
2,6-Dinitrotoluene
Concen: 7.322 ng
RT: 15.37 min Scan# 2057
Delta R.T. 0.44 min
Lab File: BG032201.D
Acq: 21 Jan 2018 5:19

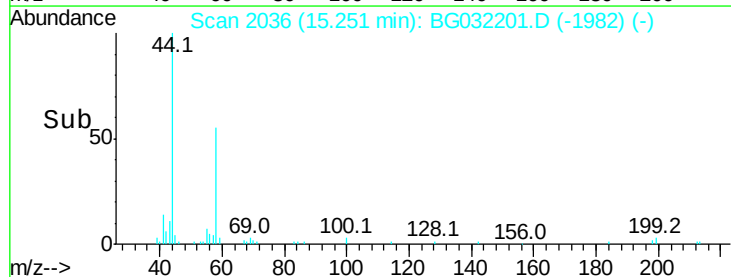
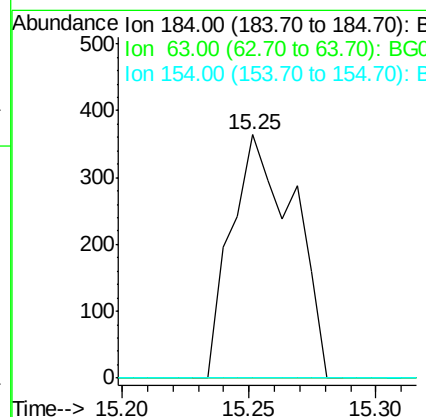
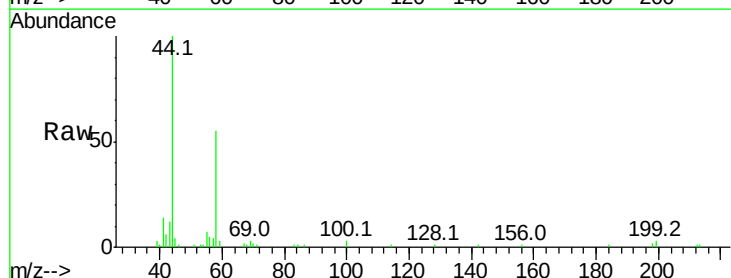
Instrument :
BNA_G
ClientSampleId :

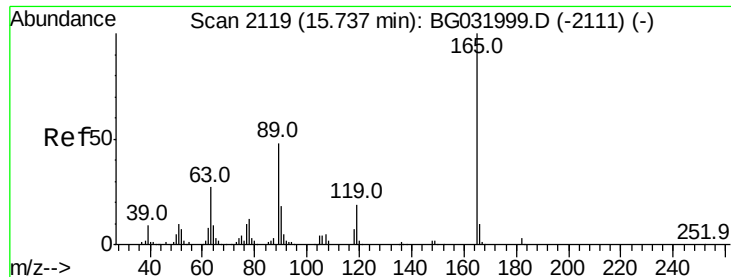
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.4	52.7	79.1#
89	0.0	49.2	73.8#



#53
2,4-Dinitrophenol
Concen: 7.503 ng
RT: 15.25 min Scan# 2036
Delta R.T. -0.21 min
Lab File: BG032201.D
Acq: 21 Jan 2018 5:19

Tgt Ion	Ratio	Lower	Upper
184	100		
63	0.0	59.8	89.8#
154	0.0	101.8	152.8#

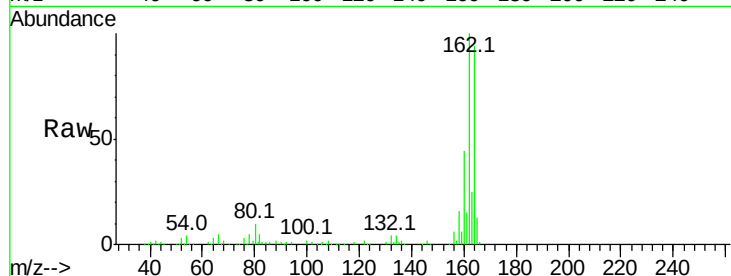




#56
2,4-Dinitrotoluene
Concen: 5.439 ng
RT: 15.37 min Scan# 2057
Delta R.T. -0.34 min
Lab File: BG032201.D
Acq: 21 Jan 2018 5:19

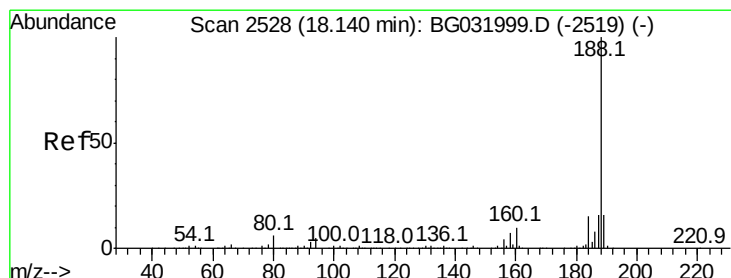
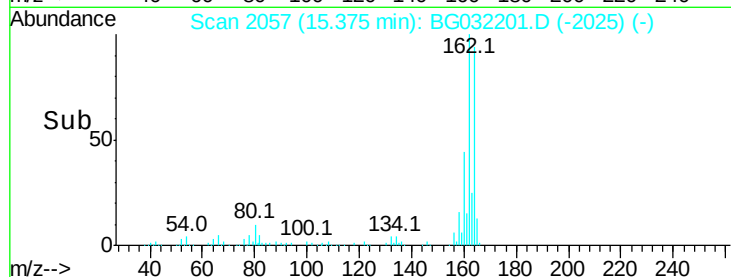
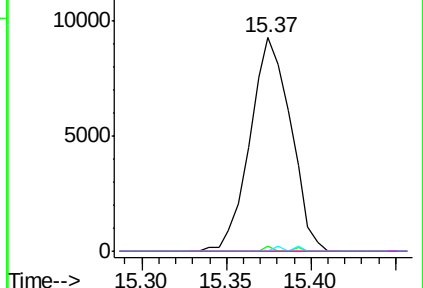
Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 15518
Ion Ratio Lower Upper
165 100
63 2.4 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#



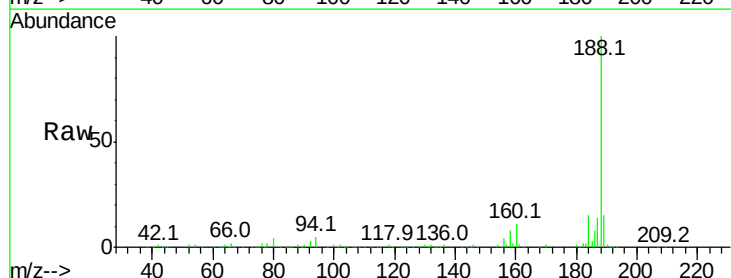
Abundance Ion 165.00 (164.70 to 165.70): E

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



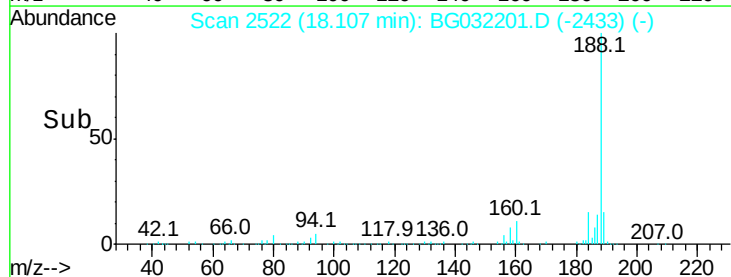
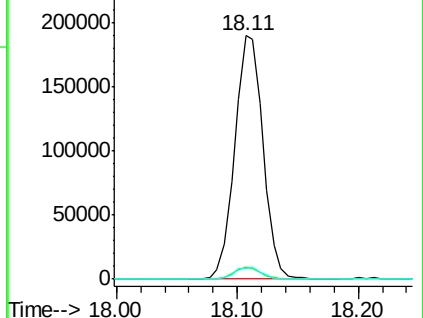
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.11 min Scan# 2522
Delta R.T. -0.01 min
Lab File: BG032201.D
Acq: 21 Jan 2018 5:19

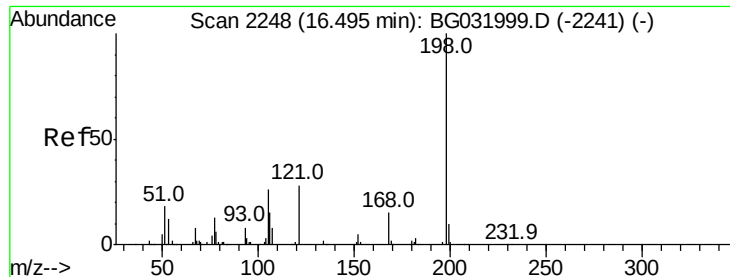
Tgt Ion:188 Resp: 308708
Ion Ratio Lower Upper
188 100
94 5.1 6.9 10.3#
80 4.5 7.7 11.5#



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

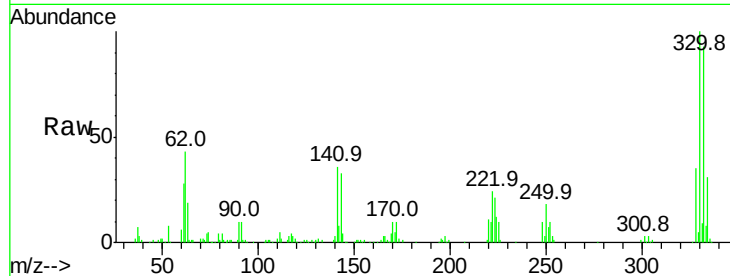




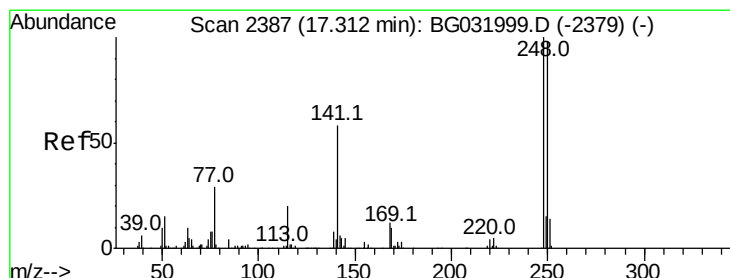
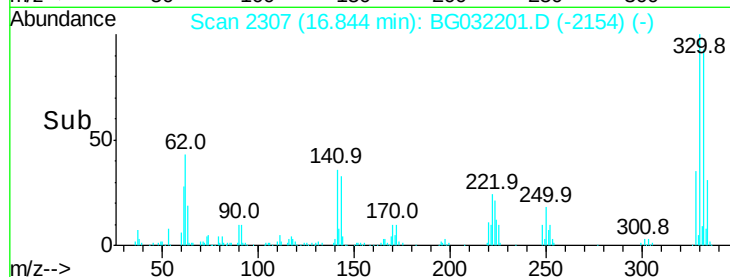
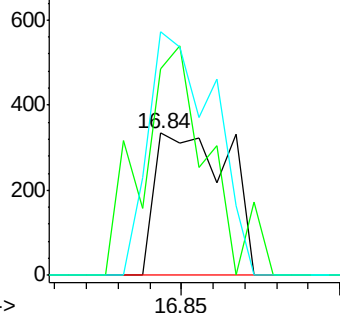
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.128 ng
 RT: 16.84 min Scan# 2307
 Delta R.T. 0.37 min
 Lab File: BG032201.D
 Acq: 21 Jan 2018 5:19

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:198 Resp: 536
 Ion Ratio Lower Upper
 198 100
 51 145.2 30.6 70.6#
 105 171.3 23.8 63.8#

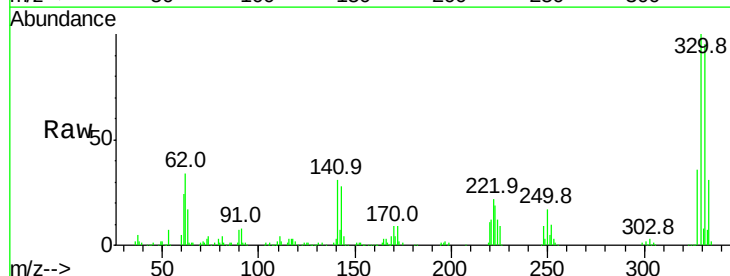


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

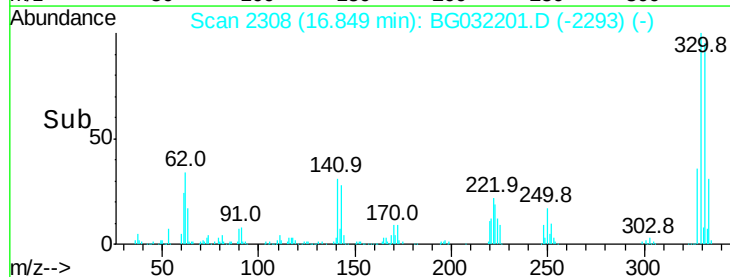
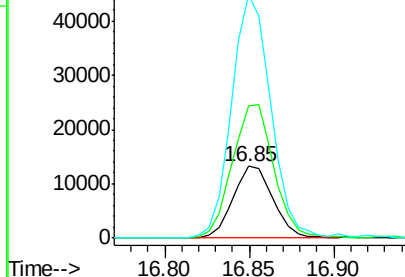


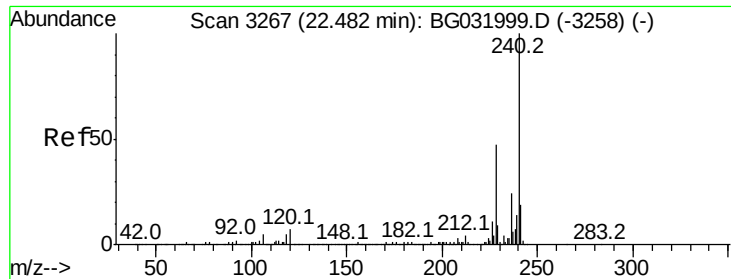
#66
 4-Bromophenyl-phenylether
 Concen: 4.953 ng
 RT: 16.85 min Scan# 2308
 Delta R.T. -0.44 min
 Lab File: BG032201.D
 Acq: 21 Jan 2018 5:19

Tgt Ion:248 Resp: 21754
 Ion Ratio Lower Upper
 248 100
 250 185.5 77.1 115.7#
 141 339.9 50.8 76.2#



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.44 min Scan# 3260

Delta R.T. -0.01 min

Lab File: BG032201.D

Acq: 21 Jan 2018 5:19

Instrument :

BNA_G

ClientSampleId :

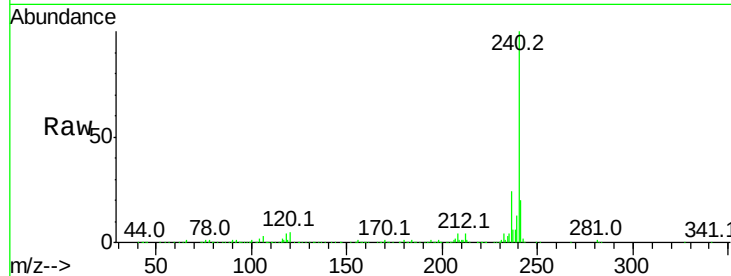
Tot Ion:240 Resp: 422702

Ion Ratio Lower Upper

240 100

120 4.9 6.8 10.2#

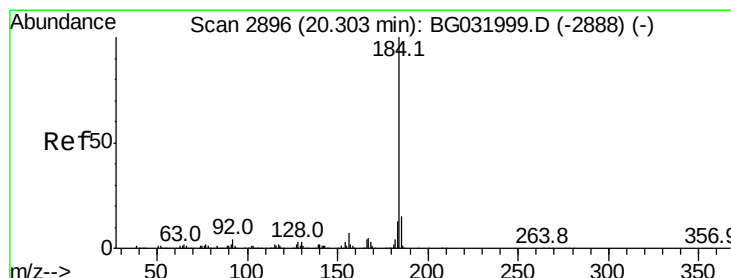
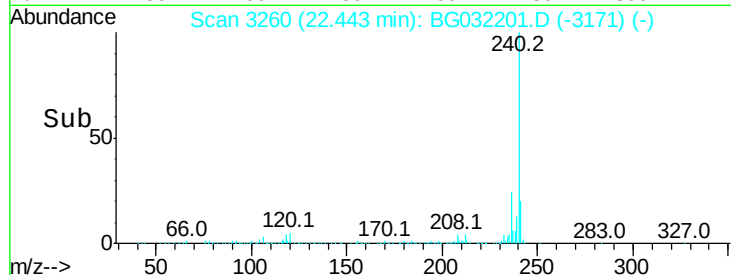
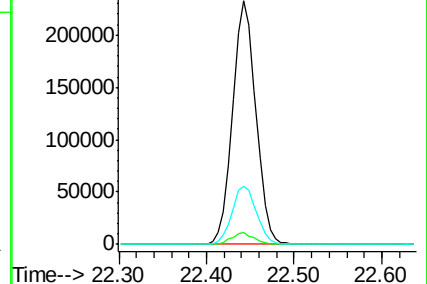
236 24.0 20.9 31.3



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



#76

Benzidine

Concen: 2.381 ng

RT: 20.65 min Scan# 2954

Delta R.T. 0.37 min

Lab File: BG032201.D

Acq: 21 Jan 2018 5:19

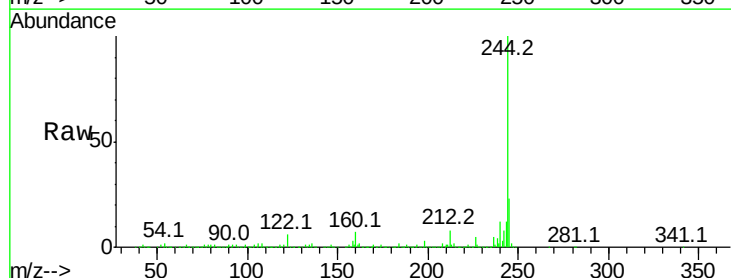
Tgt Ion:184 Resp: 25168

Ion Ratio Lower Upper

184 100

185 15.4 11.1 16.7

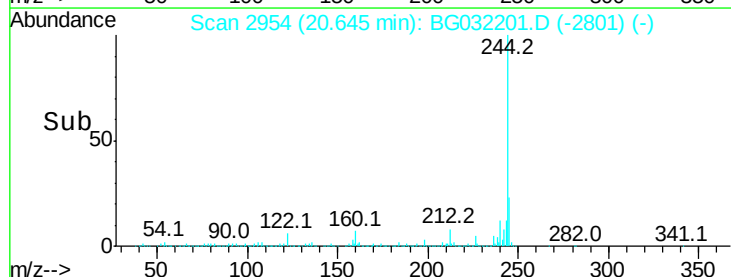
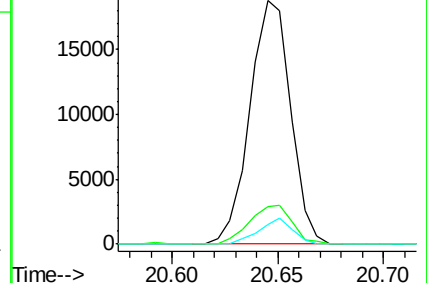
183 8.1 10.6 16.0#

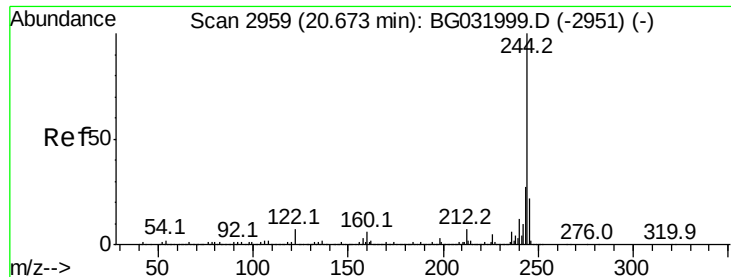


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 91.591 ng

RT: 20.65 min Scan# 2954

Delta R.T. -0.01 min

Lab File: BG032201.D

Acq: 21 Jan 2018 5:19

Instrument :

BNA_G

ClientSampleId :

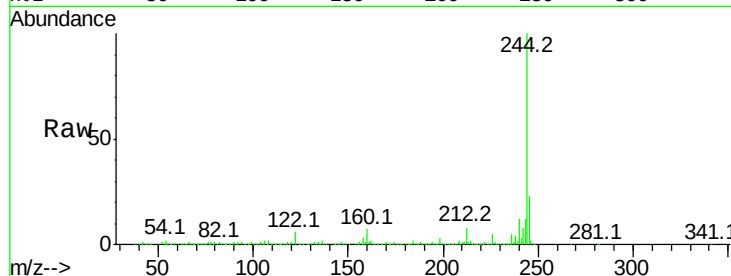
Tot Ion:244 Resp: 1753386

Ion	Ratio	Lower	Upper
244	100		
212	8.1	5.8	8.8
122	6.4	7.0	10.4

244 100

212 8.1 5.8 8.8

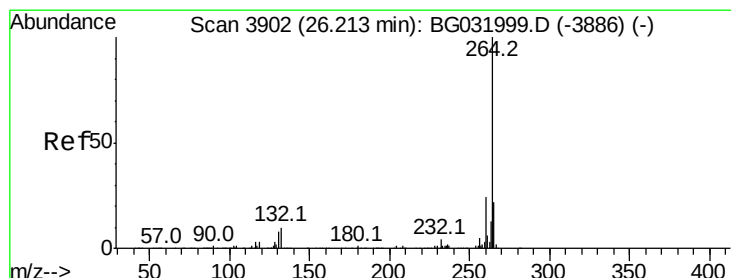
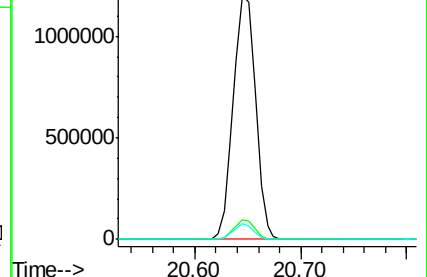
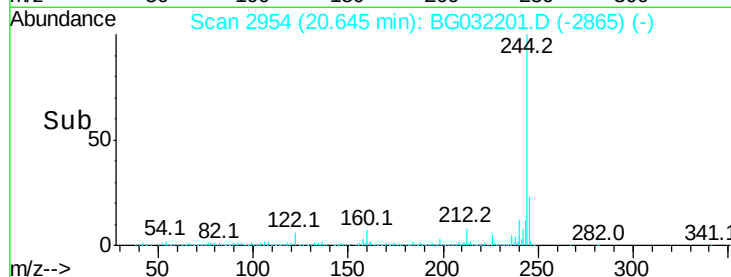
122 6.4 7.0 10.4



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

Perylene-d12

Concen: 20.000 ng

RT: 26.14 min Scan# 3890

Delta R.T. -0.01 min

Lab File: BG032201.D

Acq: 21 Jan 2018 5:19

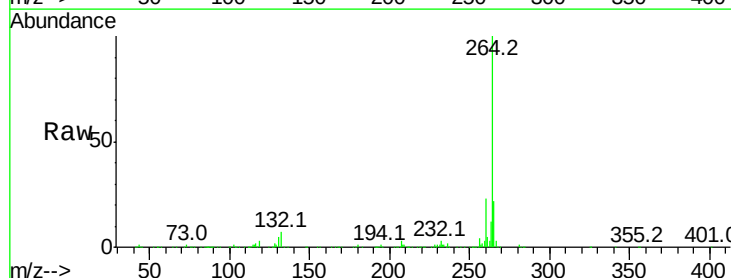
Tgt Ion:264 Resp: 435428

Ion	Ratio	Lower	Upper
264	100		
260	23.1	17.4	26.0
265	21.7	17.7	26.5

264 100

260 23.1 17.4 26.0

265 21.7 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

