

Data Path : U:\HPCHEM1\BNA G\DATA\BG011918\
 Data File : BG032172.D
 Acq On : 20 Jan 2018 5:45
 Operator : SJ/JU
 Sample : J1183-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 21 23:58:54 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	51745	20.00	ng	0.00
21) Naphthalene-d8	11.63	136	196508	20.00	ng	0.00
38) Acenaphthene-d10	15.38	164	122145	20.00	ng	0.00
63) Phenanthrene-d10	18.11	188	324802	20.00	ng	0.00
75) Chrysene-d12	22.45	240	460769	20.00	ng	0.00
86) Perylene-d12	26.15	264	475991	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.17	112	379594	134.17	ng	0.00
7) Phenol-d6	7.85	99	426573	119.71	ng	0.00
23) Nitrobenzene-d5	9.94	82	306670	105.58	ng	0.00
41) 2,4,6-Tribromophenol	16.85	330	325757	161.17	ng	0.00
44) 2-Fluorobiphenyl	14.01	172	1007025	102.23	ng	0.00
78) Terphenyl-d14	20.65	244	1961350	93.99	ng	0.00

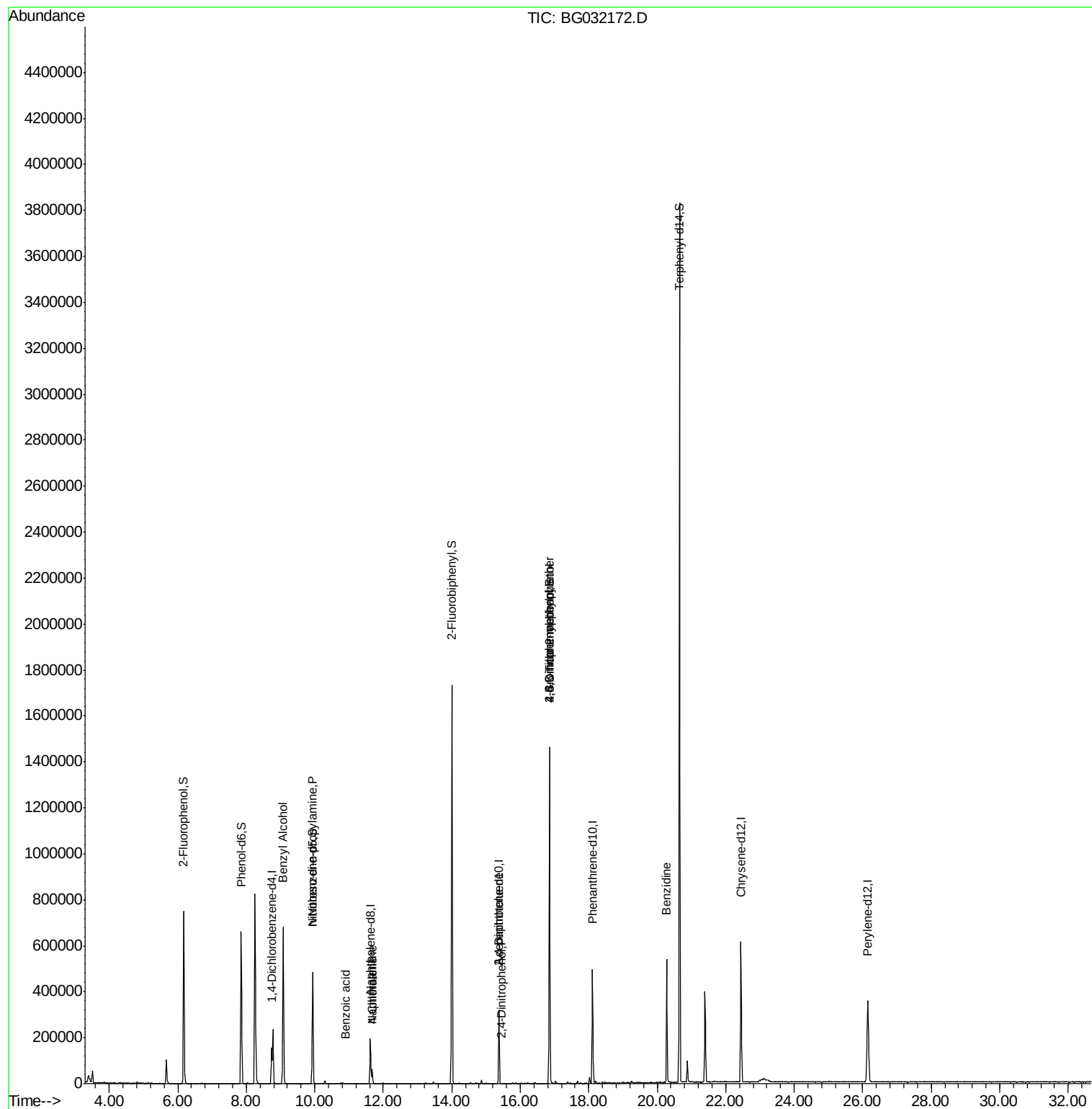
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	9.08	79	5794	2.238	ng	# 29
19) n-Nitroso-di-n-propylamine	9.94	70	43617	19.729	ng	# 77
31) Naphthalene	11.68	128	59706	6.133	ng	# 96
32) Benzoic acid	10.91	122	61	5.281	ng	# 1
33) 4-Chloroaniline	11.67	127	8819	2.113	ng	# 33
53) 2,4-Dinitrophenol	15.46	184	73	7.024	ng	# 1
56) 2,4-Dinitrotoluene	15.38	165	16378	5.483	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.86	198	832	5.244	ng	# 48
66) 4-Bromophenyl-phenylether	16.85	248	27825	6.021	ng	# 1
76) Benzidine	20.27	184	347778	30.184	ng	# 99

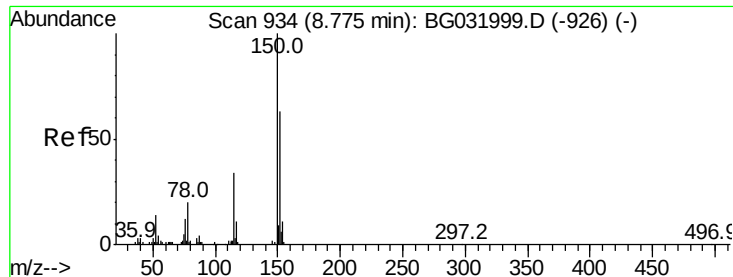
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG032172.D

Acq: 20 Jan 2018 5:45

Instrument :

BNA_G

ClientSampleId :

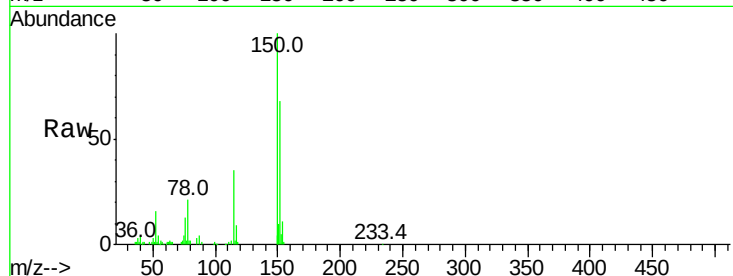
Tot Ion:152 Resp: 51745

Ion Ratio Lower Upper

152 100

150 148.1 126.6 189.8

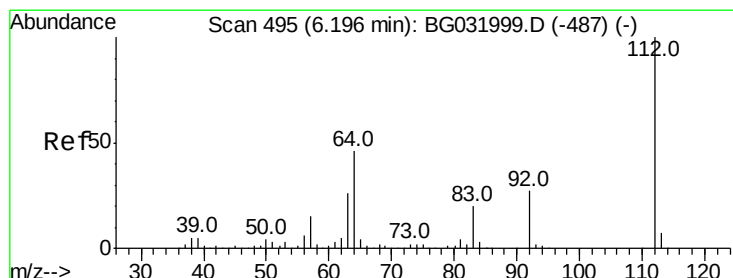
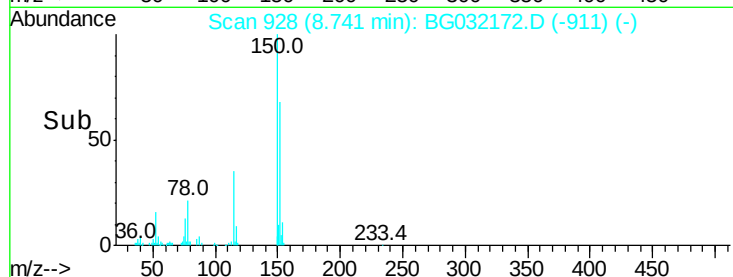
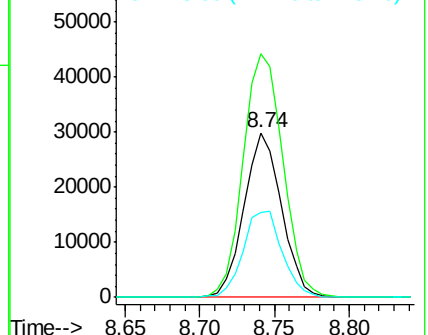
115 51.6 53.0 79.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 134.168 ng

RT: 6.17 min Scan# 491

Delta R.T. 0.00 min

Lab File: BG032172.D

Acq: 20 Jan 2018 5:45

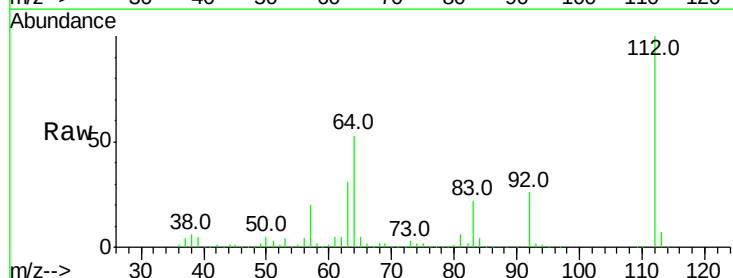
Tgt Ion:112 Resp: 379594

Ion Ratio Lower Upper

112 100

64 53.1 56.3 84.5#

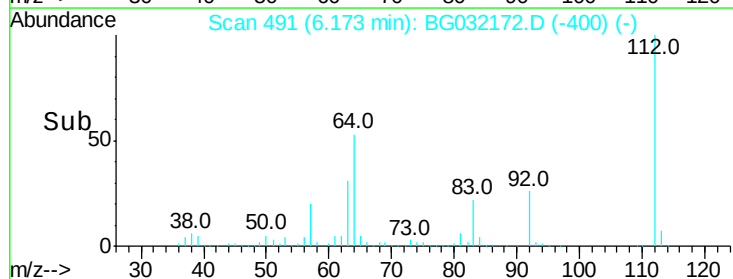
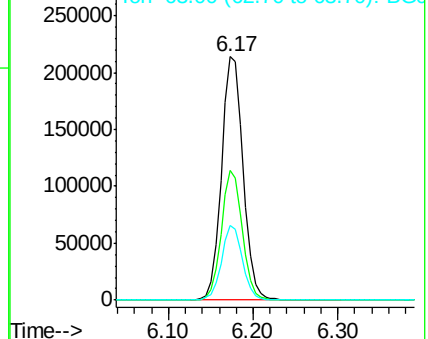
63 30.8 30.1 45.1

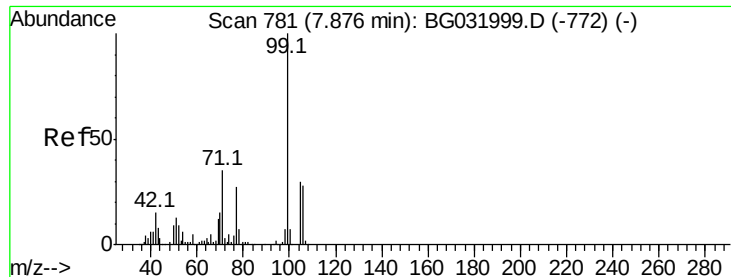


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 119.714 ng

RT: 7.85 min Scan# 777

Delta R.T. 0.00 min

Lab File: BG032172.D

Acq: 20 Jan 2018 5:45

Instrument :

BNA_G

ClientSampleId :

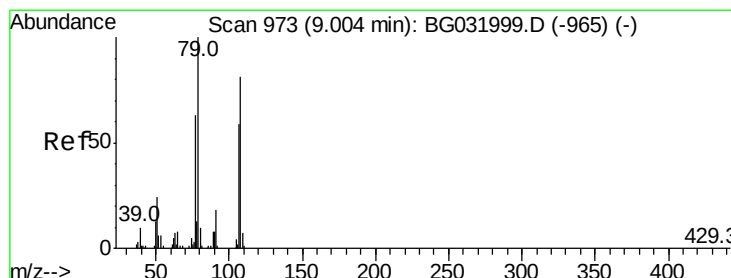
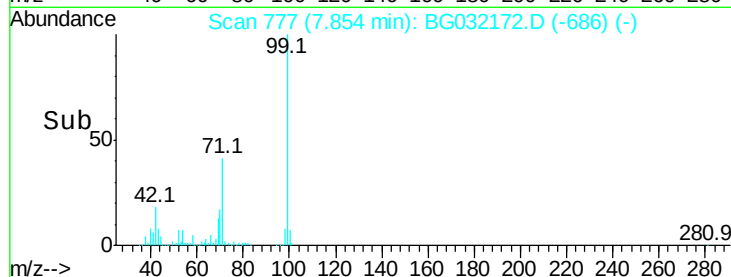
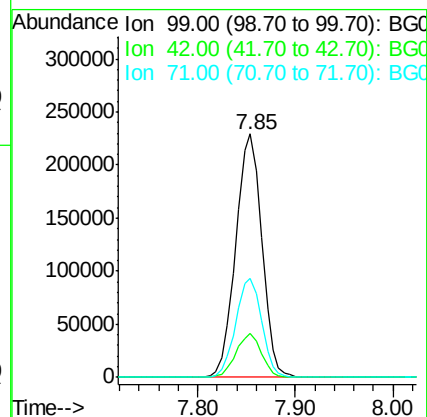
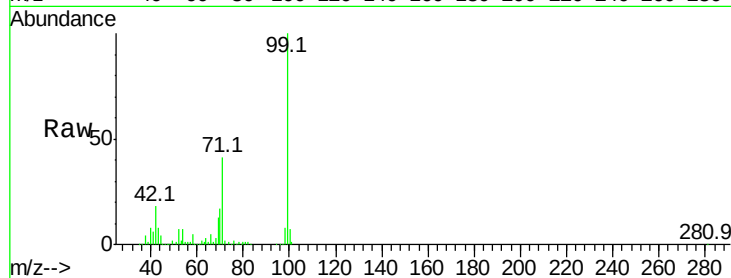
Tot Ion: 99 Resp: 426573

Ion Ratio Lower Upper

99 100

42 18.2 14.1 21.1

71 40.7 26.1 39.1#



#15

Benzyl Alcohol

Concen: 2.238 ng

RT: 9.08 min Scan# 986

Delta R.T. 0.10 min

Lab File: BG032172.D

Acq: 20 Jan 2018 5:45

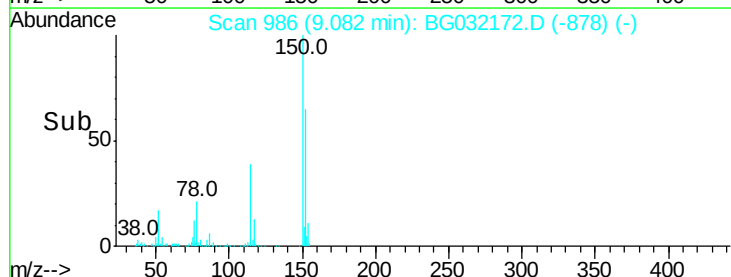
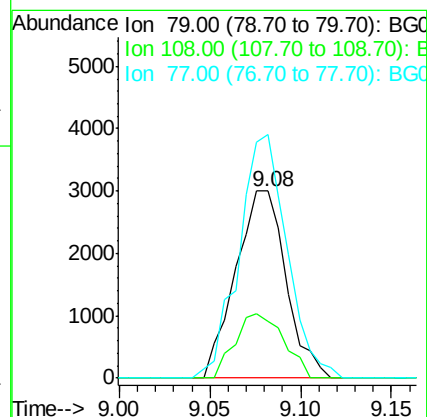
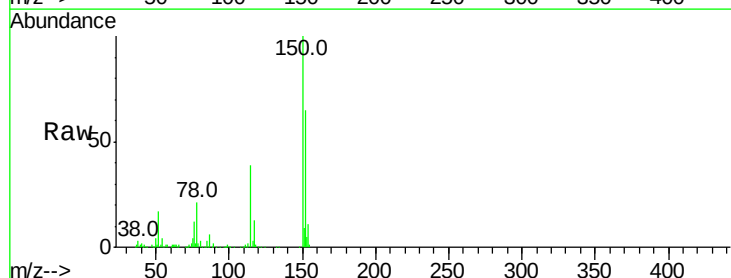
Tgt Ion: 79 Resp: 5794

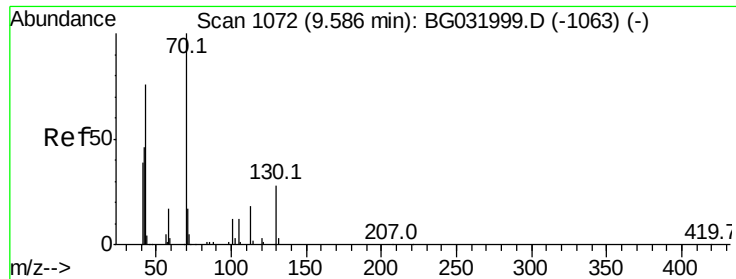
Ion Ratio Lower Upper

79 100

108 30.5 57.2 85.8#

77 130.2 46.1 69.1#

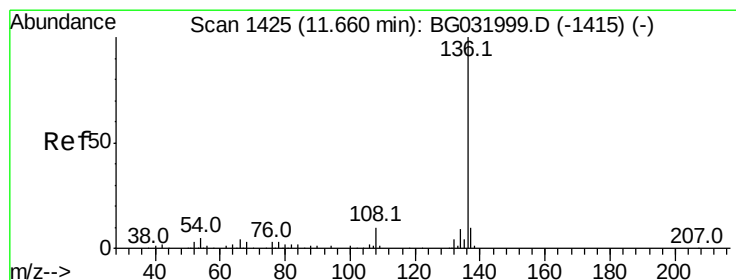
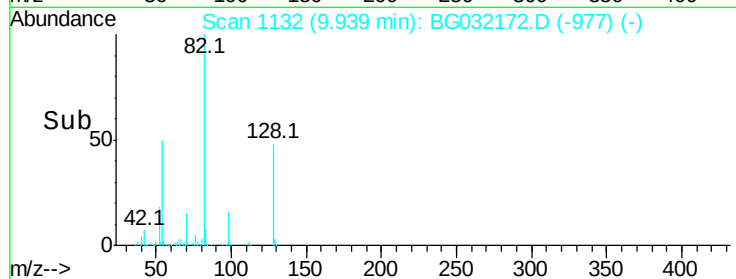
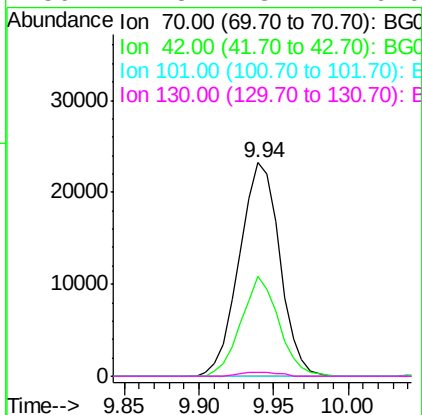
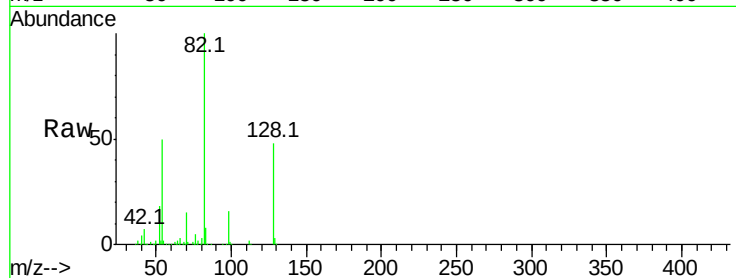




#19
n-Nitroso-di-n-propylamine
Concen: 19.729 ng
RT: 9.94 min Scan# 1132
Delta R.T. 0.38 min
Lab File: BG032172.D
Acq: 20 Jan 2018 5:45

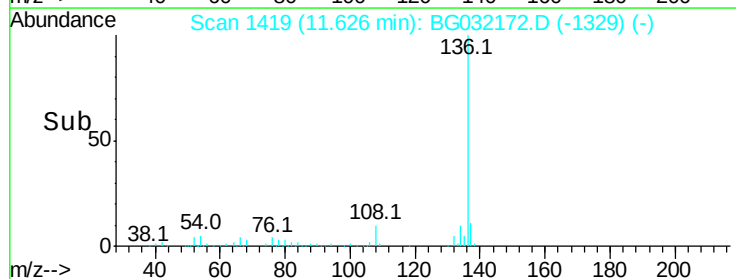
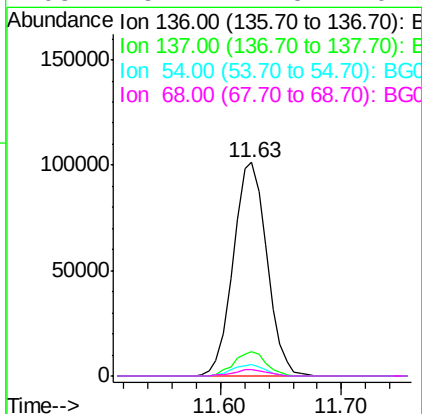
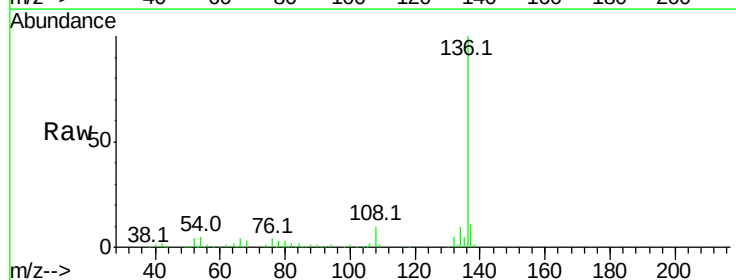
Instrument :
BNA_G
ClientSampleId :

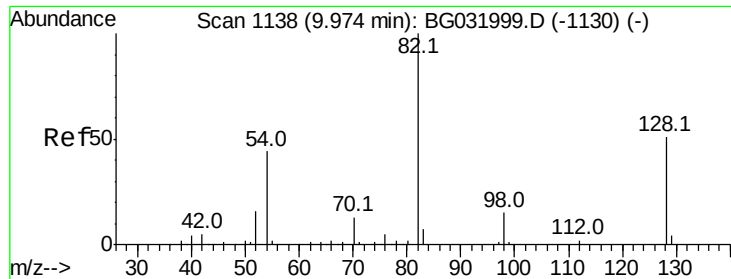
Tot Ion	Ratio	Lower	Upper
70	100		
42	46.6	49.1	73.7#
101	0.0	8.5	12.7#
130	1.8	13.4	20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.63 min Scan# 1419
Delta R.T. -0.00 min
Lab File: BG032172.D
Acq: 20 Jan 2018 5:45

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.2	13.8
54	5.3	10.3	15.5#
68	3.2	4.5	6.7#

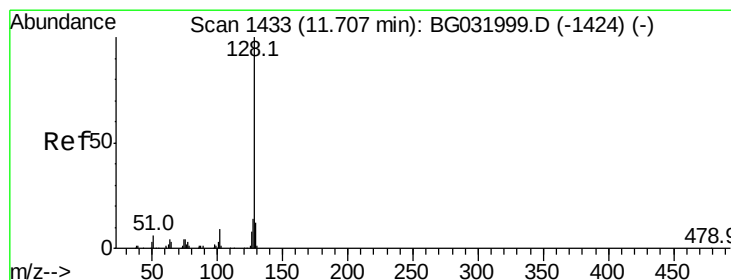
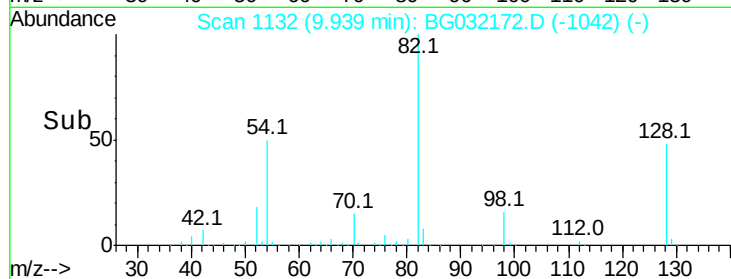
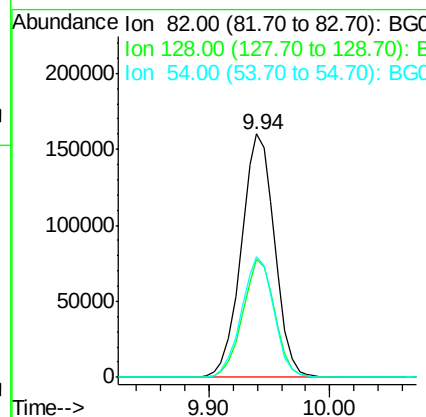
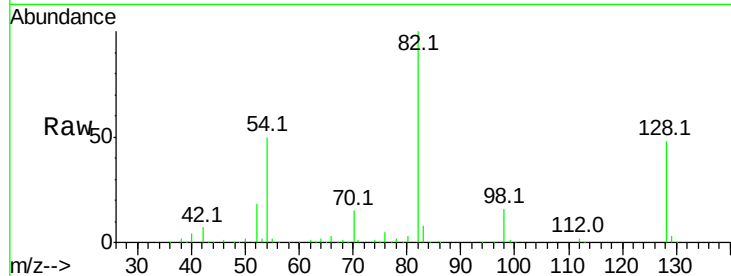




#23
 Nitrobenzene-d5
 Concen: 105.581 ng
 RT: 9.94 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: BG032172.D
 Acq: 20 Jan 2018 5:45

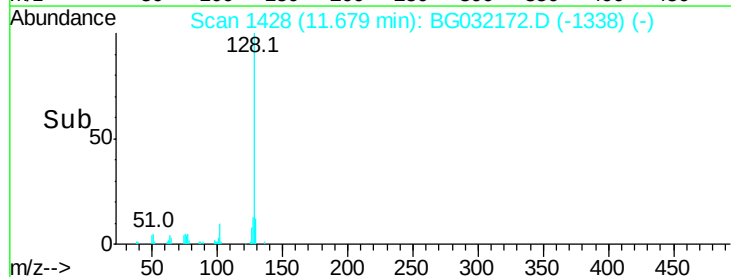
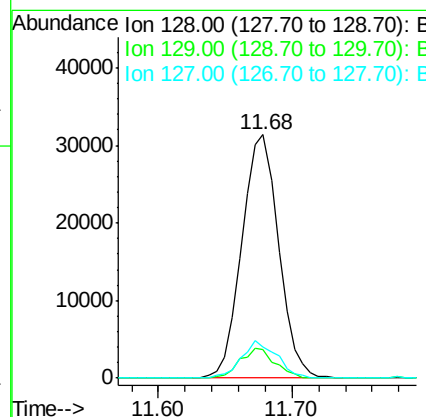
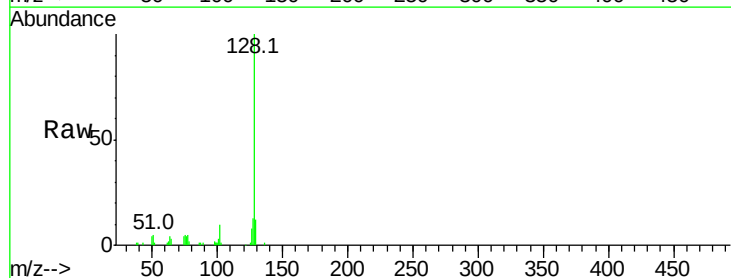
Instrument :
 BNA_G
 ClientSampleId :

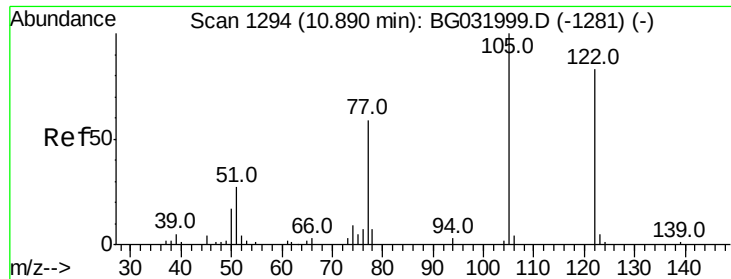
Tot Ion: 82 Resp: 306670
 Ion Ratio Lower Upper
 82 100
 128 48.5 29.7 44.5#
 54 49.6 43.1 64.7



#31
 Naphthalene
 Concen: 6.133 ng
 RT: 11.68 min Scan# 1428
 Delta R.T. -0.00 min
 Lab File: BG032172.D
 Acq: 20 Jan 2018 5:45

Tgt Ion: 128 Resp: 59706
 Ion Ratio Lower Upper
 128 100
 129 11.9 8.6 12.8
 127 12.6 11.6 17.4





#32

Benzoic acid

Concen: 5.281 ng

RT: 10.91 min Scan# 1297

Delta R.T. 0.06 min

Lab File: BG032172.D

Acq: 20 Jan 2018 5:45

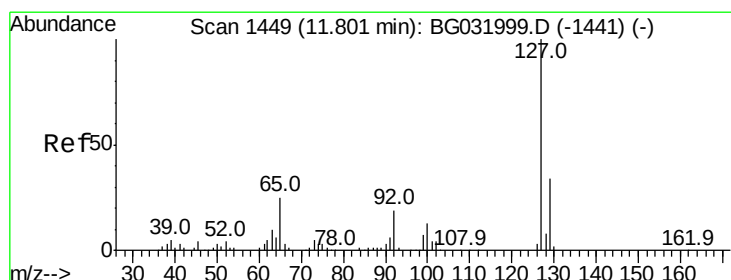
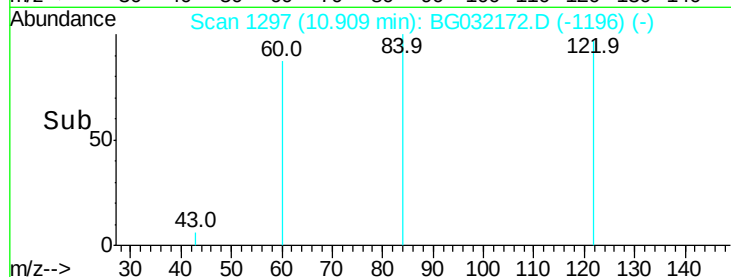
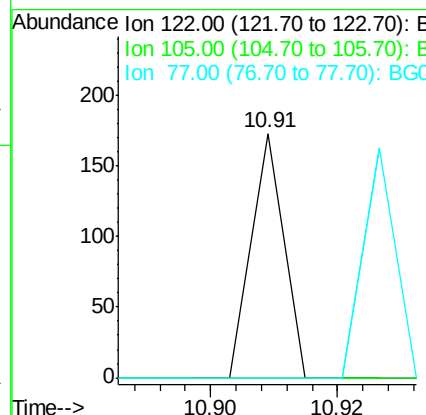
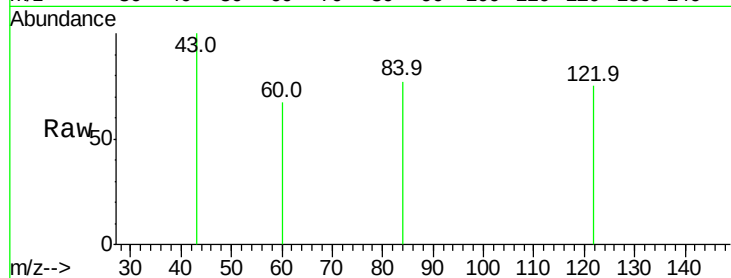
Instrument :

BNA_G

ClientSampleId :

Tot Ion:122 Resp: 61

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



#33

4-Chloroaniline

Concen: 2.113 ng

RT: 11.67 min Scan# 1427

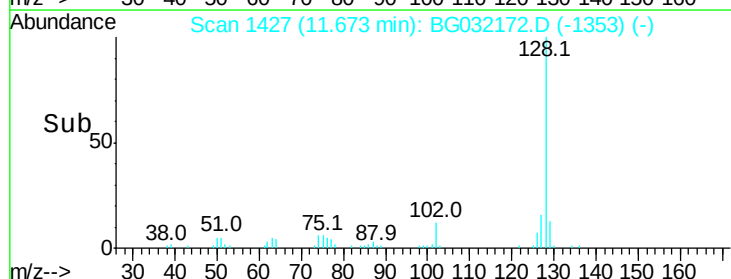
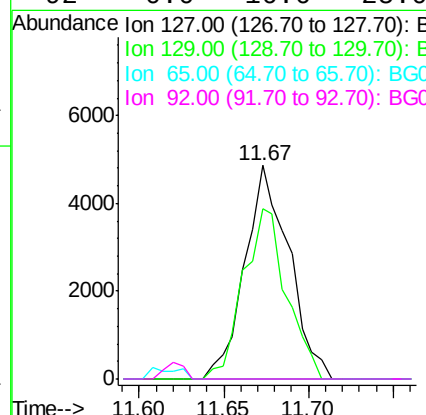
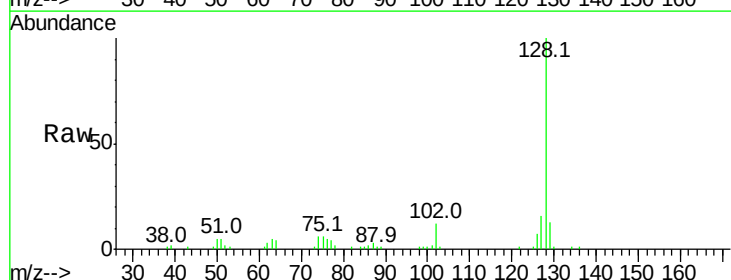
Delta R.T. -0.10 min

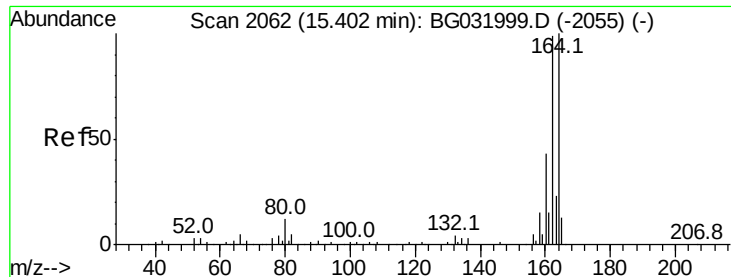
Lab File: BG032172.D

Acq: 20 Jan 2018 5:45

Tgt Ion:127 Resp: 8819

Ion	Ratio	Lower	Upper
127	100		
129	79.8	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: 15.38 min Scan# 2058

Delta R.T. -0.00 min

Lab File: BG032172.D

Acq: 20 Jan 2018 5:45

Instrument :

BNA_G

ClientSampleId :

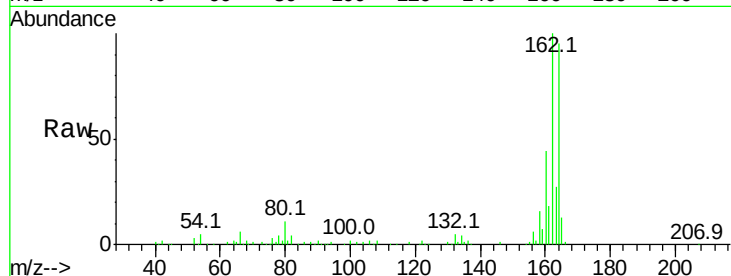
Tot Ion:164 Resp: 122145

Ion Ratio Lower Upper

164 100

162 105.0 78.8 118.2

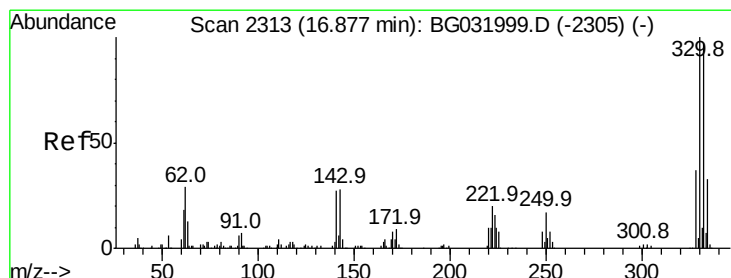
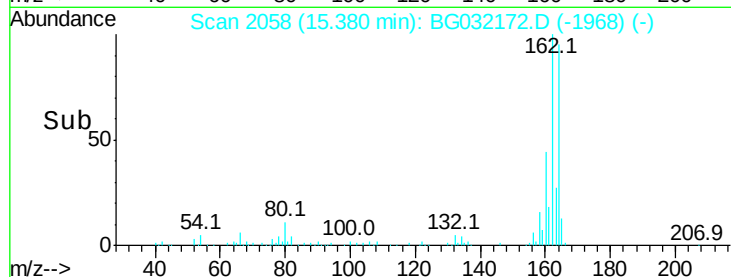
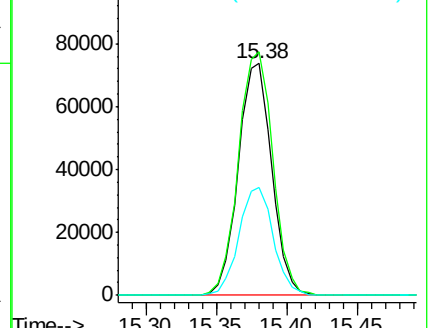
160 46.7 35.4 53.0



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: 161.169 ng

RT: 16.85 min Scan# 2309

Delta R.T. -0.00 min

Lab File: BG032172.D

Acq: 20 Jan 2018 5:45

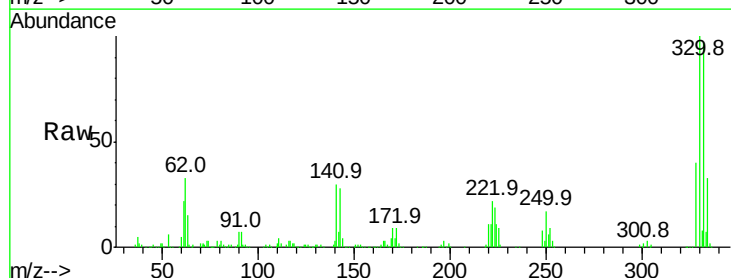
Tgt Ion:330 Resp: 325757

Ion Ratio Lower Upper

330 100

332 97.0 77.0 115.6

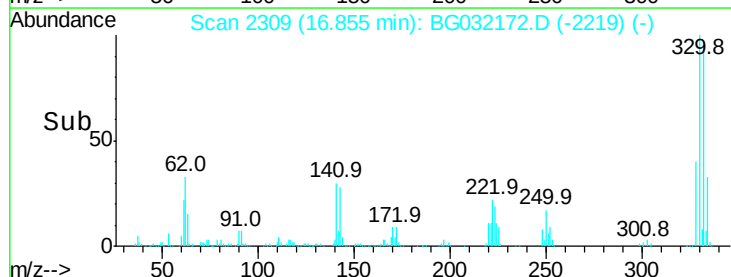
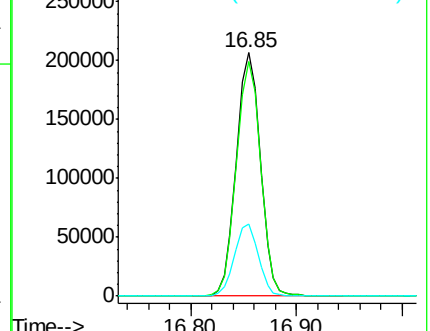
141 29.7 25.2 37.8

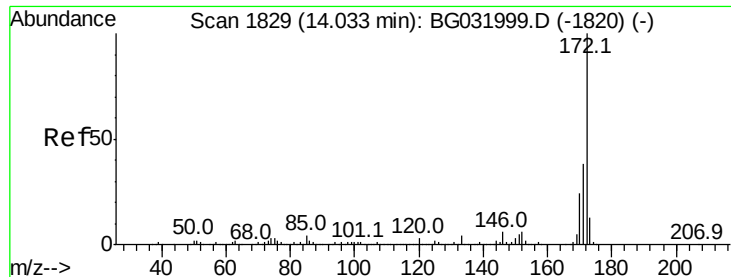


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

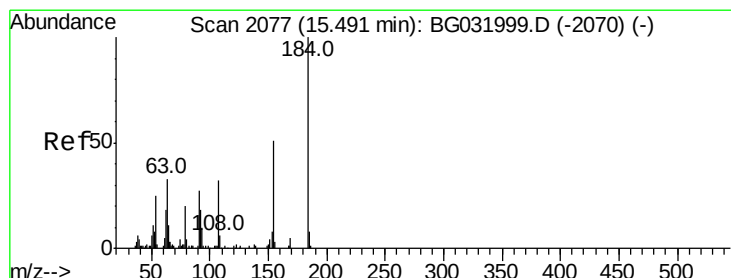
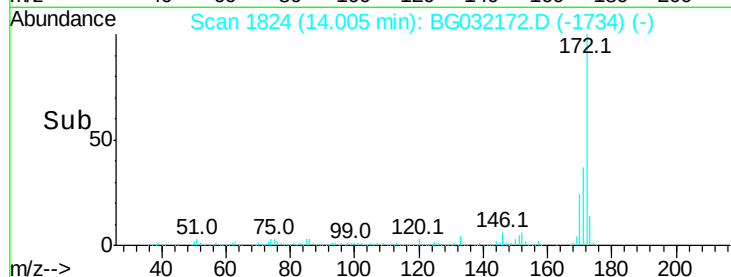
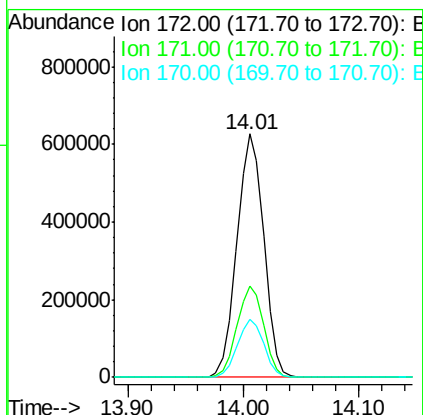
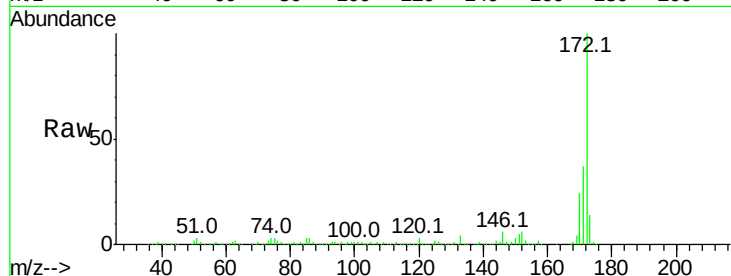




#44
2-Fluorobiphenyl
Concen: 102.228 ng
RT: 14.01 min Scan# 1824
Delta R.T. -0.00 min
Lab File: BG032172.D
Acq: 20 Jan 2018 5:45

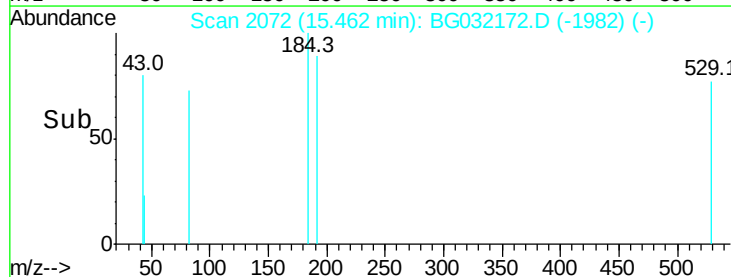
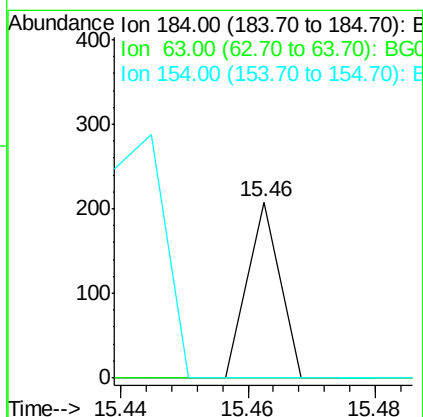
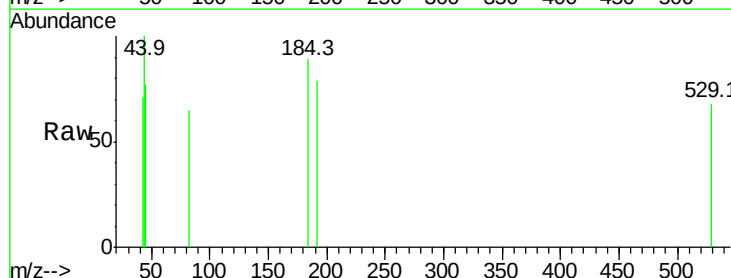
Instrument :
BNA_G
ClientSampleId :

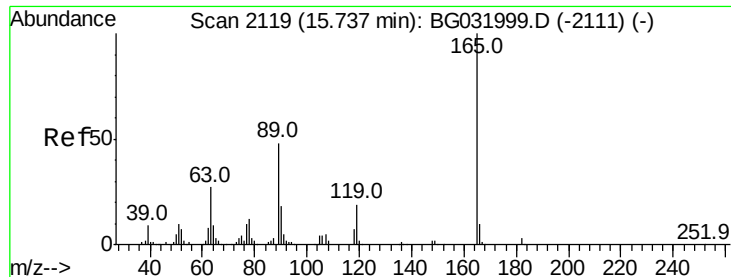
Tot Ion:172 Resp: 1007025
Ion Ratio Lower Upper
172 100
171 37.3 30.0 45.0
170 24.0 19.5 29.3



#53
2,4-Dinitrophenol
Concen: 7.024 ng
RT: 15.46 min Scan# 2072
Delta R.T. -0.00 min
Lab File: BG032172.D
Acq: 20 Jan 2018 5:45

Tgt Ion:184 Resp: 73
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: 5.483 ng

RT: 15.38 min Scan# 2058

Delta R.T. -0.34 min

Lab File: BG032172.D

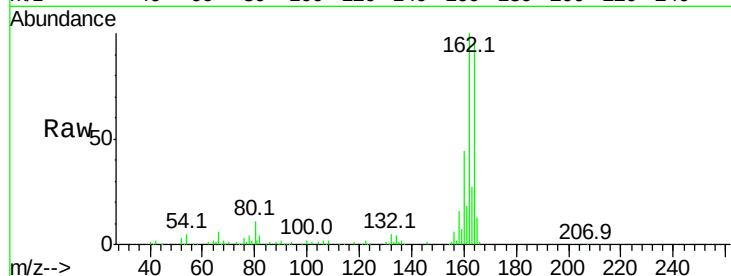
Acq: 20 Jan 2018 5:45

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165	Resp:	16378
Ion Ratio	Lower	Upper
165	100	
63	0.0	42.0 63.0#
89	1.6	66.9 100.3#
182	0.0	2.6 3.8#

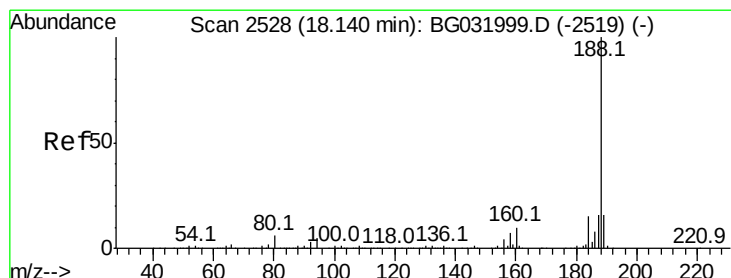
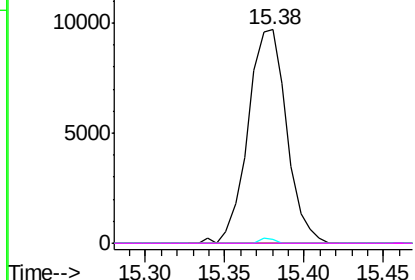
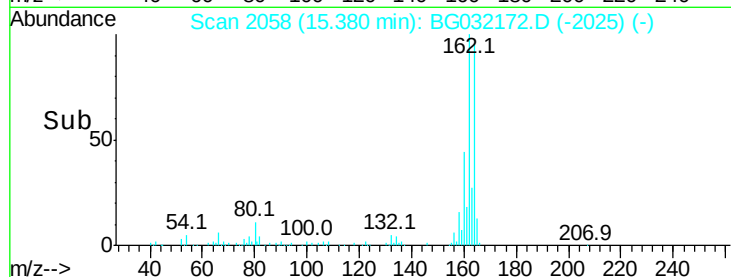


Abundance Ion 165.00 (164.70 to 165.70): E

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

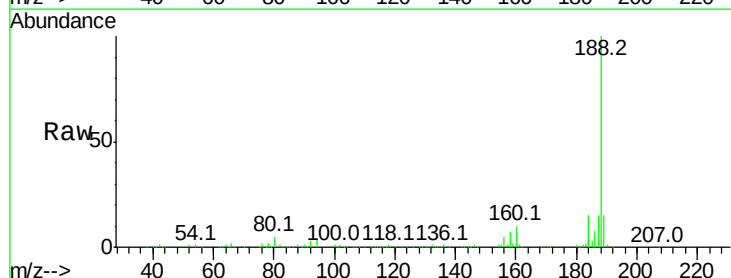
RT: 18.11 min Scan# 2523

Delta R.T. -0.00 min

Lab File: BG032172.D

Acq: 20 Jan 2018 5:45

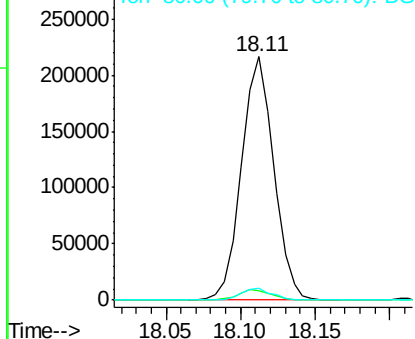
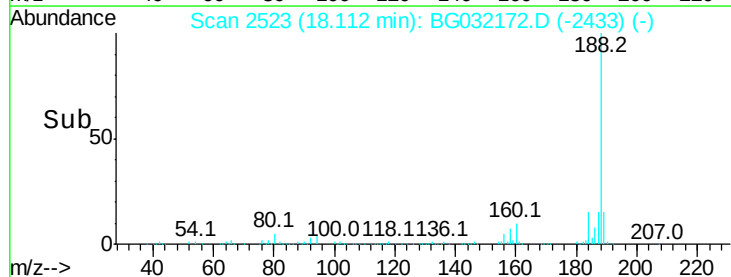
Tgt Ion:188	Resp:	324802
Ion Ratio	Lower	Upper
188	100	
94	4.1	6.9 10.3#
80	4.8	7.7 11.5#

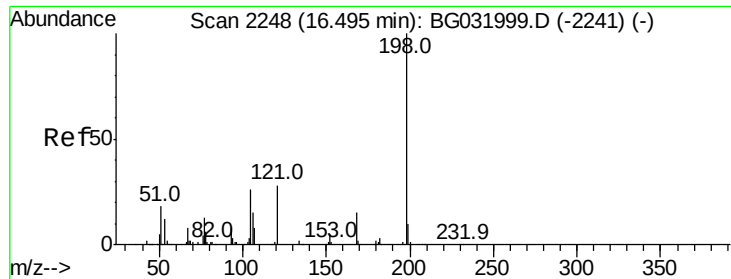


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

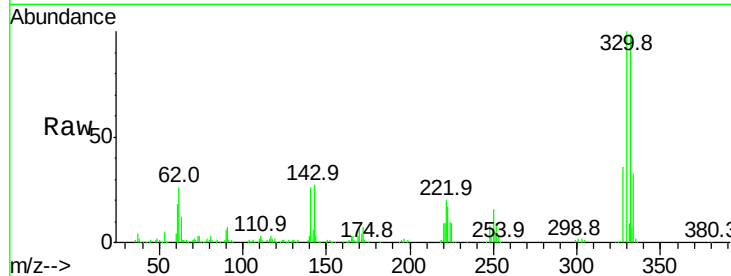




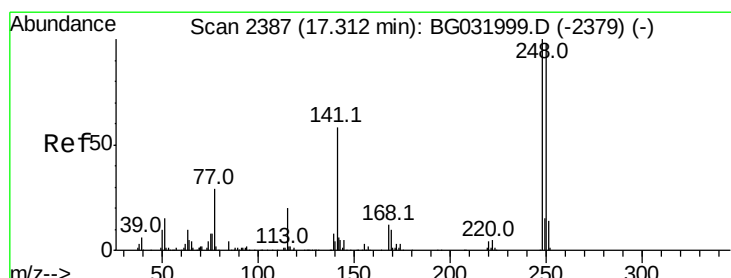
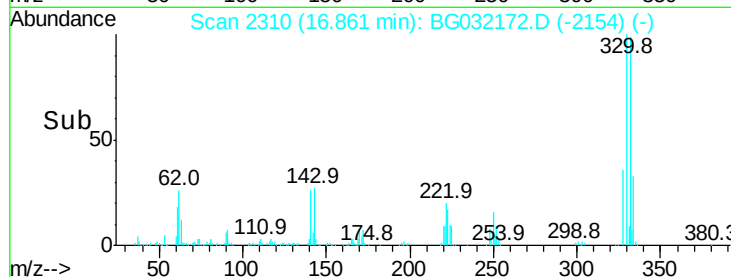
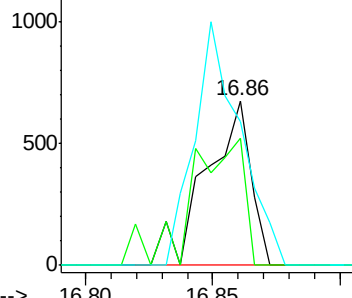
#64
4,6-Dinitro-2-methylphenol
Concen: 5.244 ng
RT: 16.86 min Scan# 2310
Delta R.T. 0.39 min
Lab File: BG032172.D
Acq: 20 Jan 2018 5:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion:198 Resp: 832
Ion Ratio Lower Upper
198 100
51 77.2 30.6 70.6#
105 87.1 23.8 63.8#

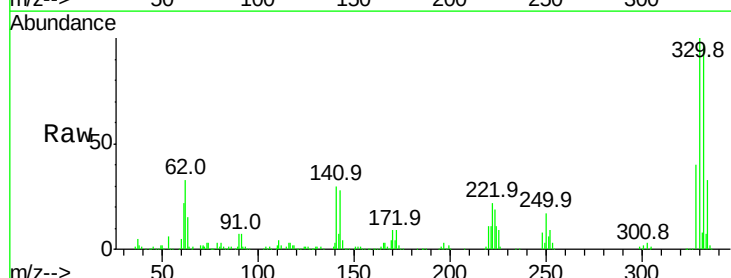


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG0
Ion 105.00 (104.70 to 105.70): E

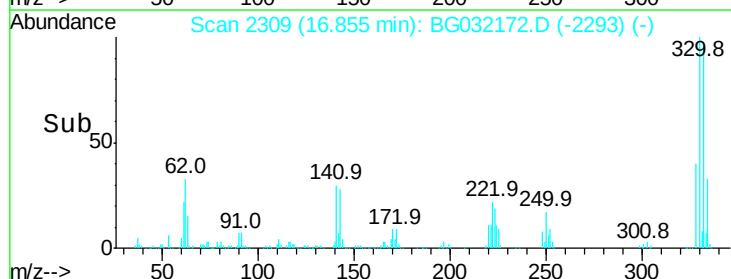
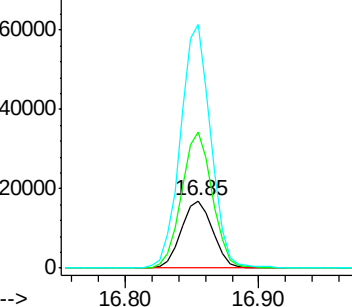


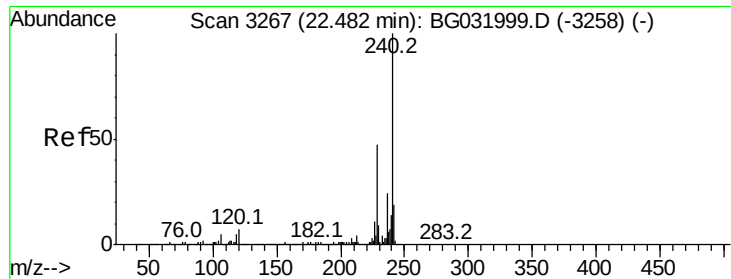
#66
4-Bromophenyl-phenylether
Concen: 6.021 ng
RT: 16.85 min Scan# 2309
Delta R.T. -0.44 min
Lab File: BG032172.D
Acq: 20 Jan 2018 5:45

Tgt Ion:248 Resp: 27825
Ion Ratio Lower Upper
248 100
250 200.5 77.1 115.7#
141 360.4 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: 22.45 min Scan# 3261

Delta R.T. -0.00 min

Lab File: BG032172.D

Acq: 20 Jan 2018 5:45

Instrument :

BNA_G

ClientSampleId :

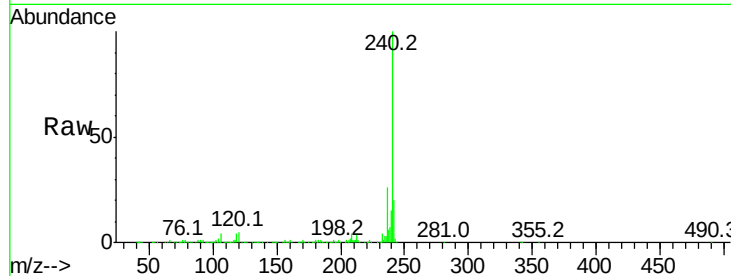
Tot Ion:240 Resp: 460769

Ion Ratio Lower Upper

240 100

120 5.1 6.8 10.2#

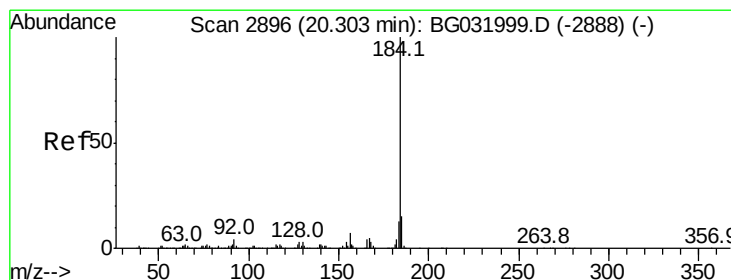
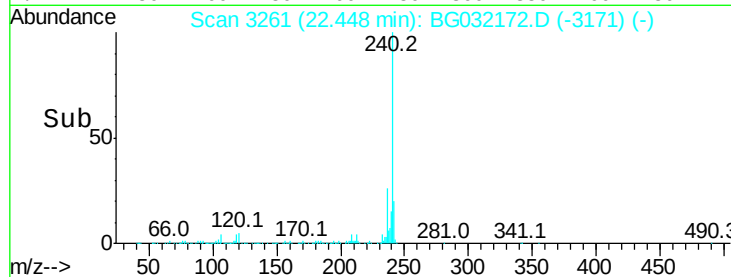
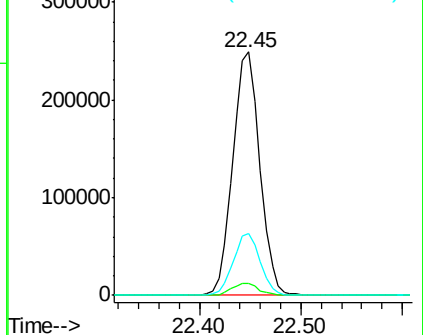
236 25.6 20.9 31.3



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: 30.184 ng

RT: 20.27 min Scan# 2891

Delta R.T. -0.00 min

Lab File: BG032172.D

Acq: 20 Jan 2018 5:45

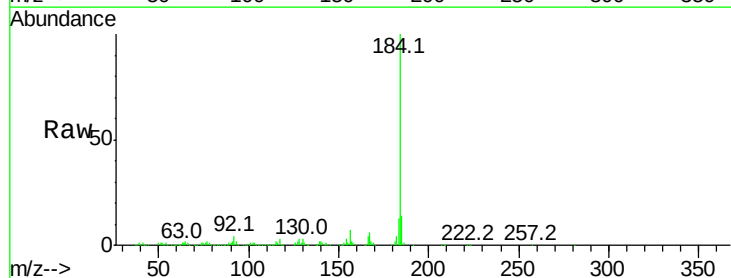
Tgt Ion:184 Resp: 347778

Ion Ratio Lower Upper

184 100

185 14.3 11.1 16.7

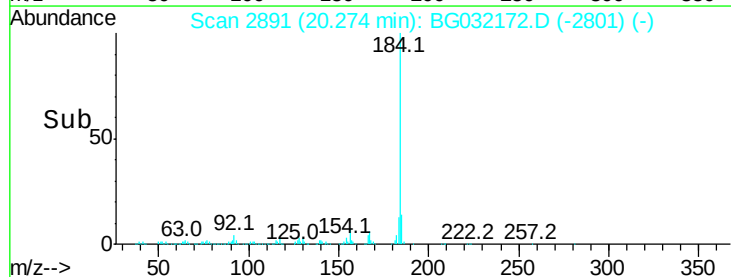
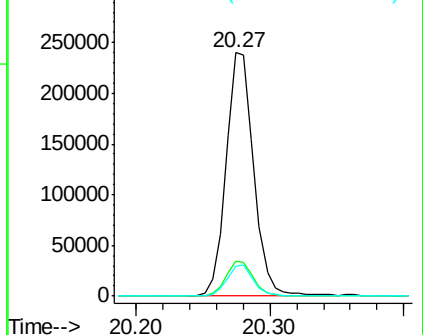
183 12.5 10.6 16.0

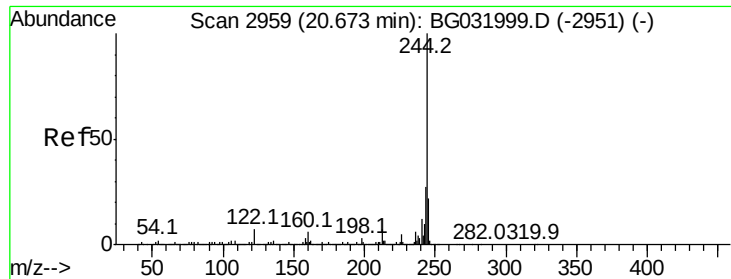


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 93.990 ng

RT: 20.65 min Scan# 2955

Delta R.T. -0.00 min

Lab File: BG032172.D

Acq: 20 Jan 2018 5:45

Instrument :

BNA_G

ClientSampleId :

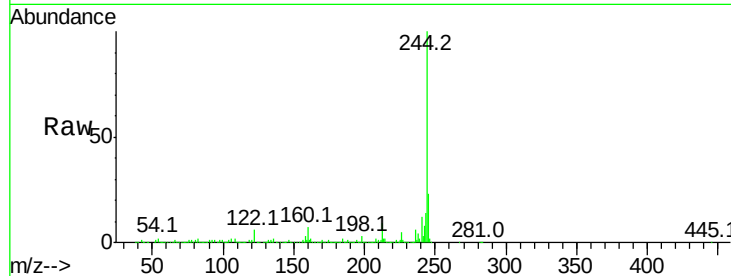
Tot Ion:244 Resp: 1961350

Ion	Ratio	Lower	Upper
244	100		
212	8.7	5.8	8.8
122	6.2	7.0	10.4

244 100

212 8.7 5.8 8.8

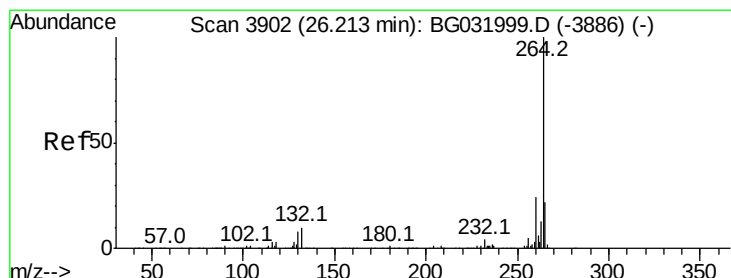
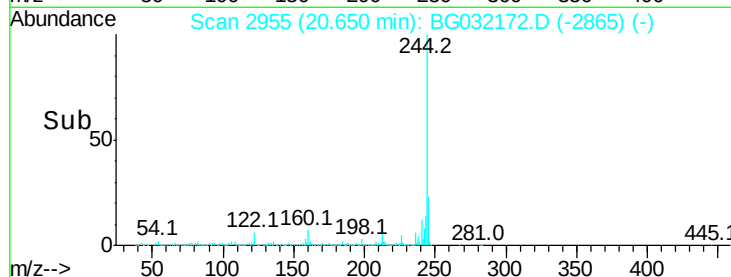
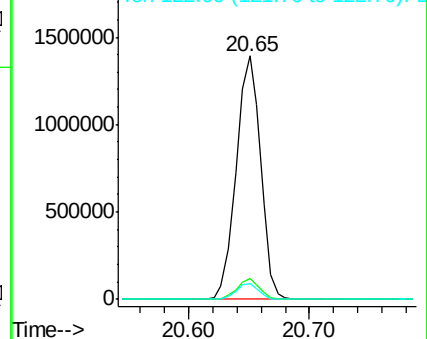
122 6.2 7.0 10.4



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: 26.15 min Scan# 3891

Delta R.T. -0.00 min

Lab File: BG032172.D

Acq: 20 Jan 2018 5:45

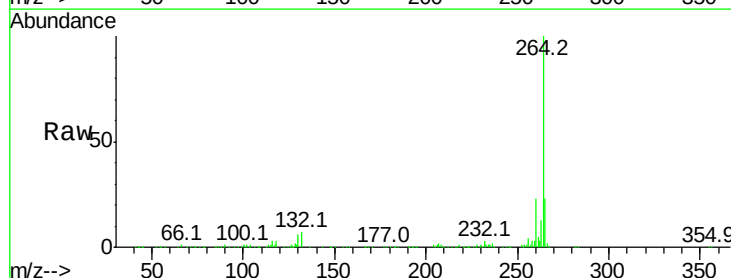
Tgt Ion:264 Resp: 475991

Ion	Ratio	Lower	Upper
264	100		
260	23.2	17.4	26.0
265	22.7	17.7	26.5

264 100

260 23.2 17.4 26.0

265 22.7 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

