

Data Path : Z:\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 :
 4469-73

Quant Time: Jan 22 00:03:38 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

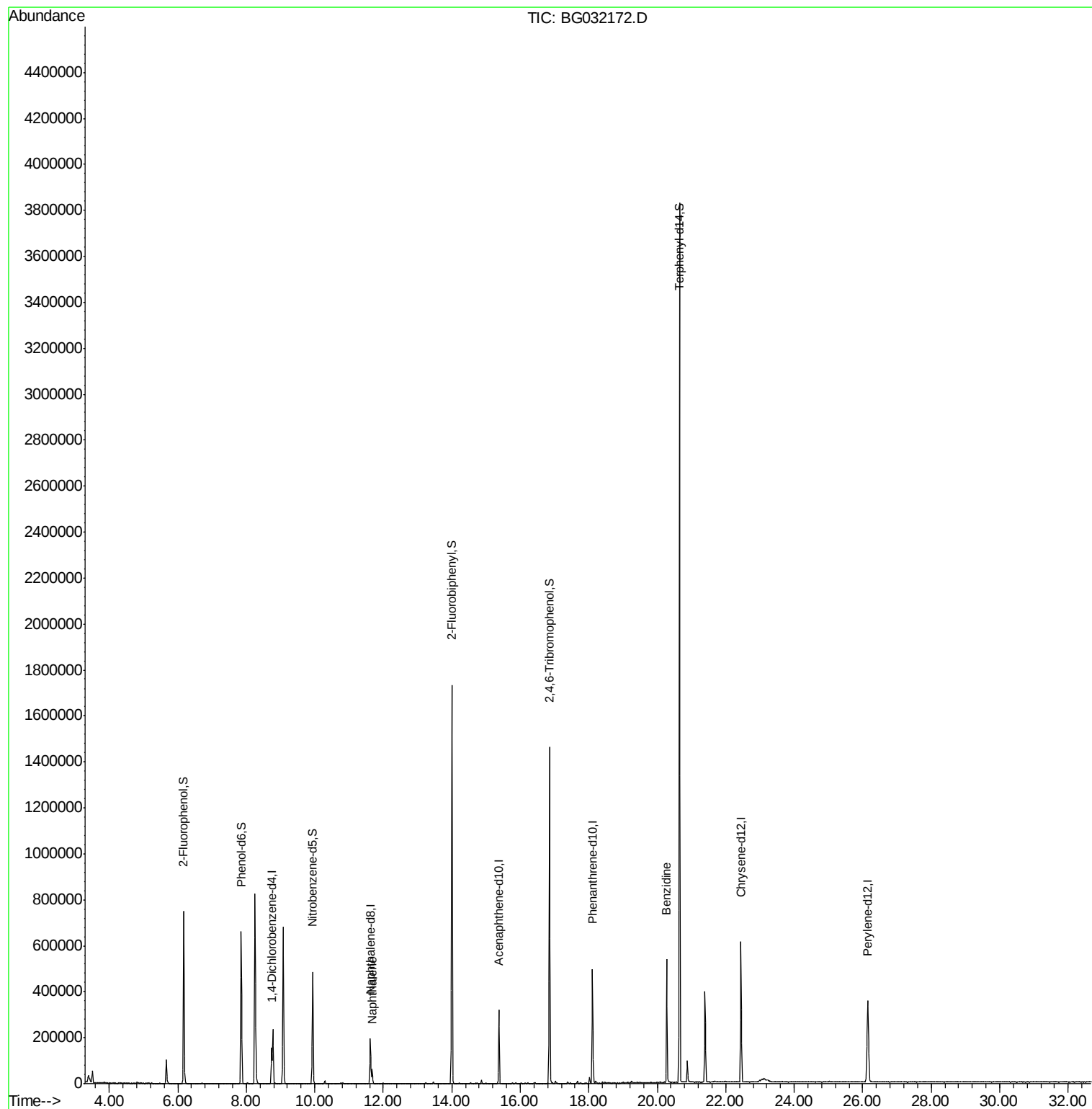
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	51745	20.00	ng	0.00
21) Naphthalene-d8	11.63	136	196508	20.00	ng	0.00
38) Acenaphthene-d10	15.38	164	122145	20.00	ng	0.00
63) Phenanthrene-d10	18.11	188	324802	20.00	ng	0.00
75) Chrysene-d12	22.45	240	460769	20.00	ng	0.00
86) Perylene-d12	26.15	264	475991	20.00	ng	0.00
System Monitoring Compounds						
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						
31) Naphthalene	11.68	128	59706	6.133	ng	96
76) Benzidine	20.27	184	347778	30.184	ng	99

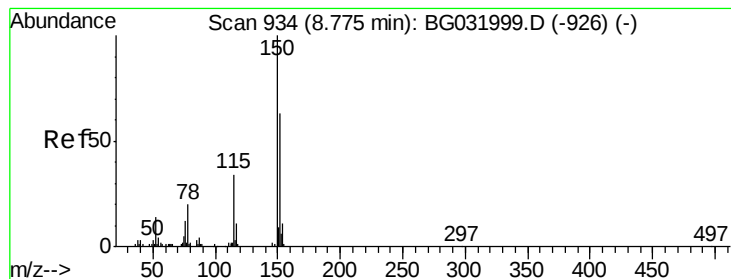
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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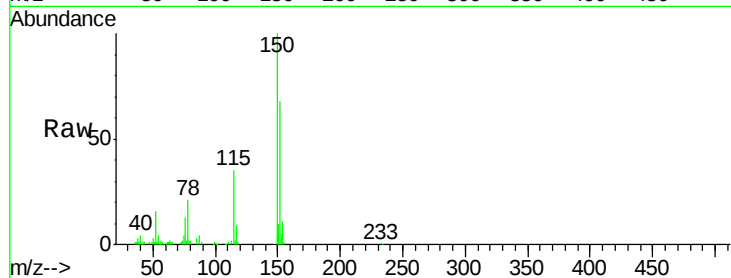


#1

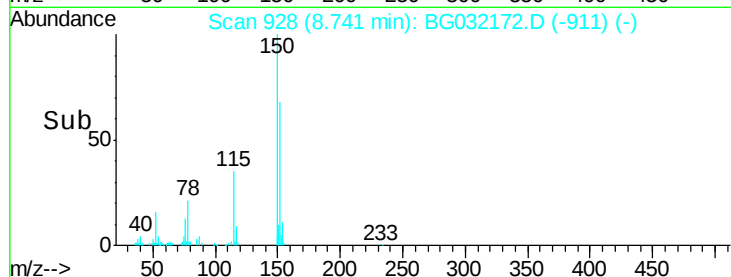
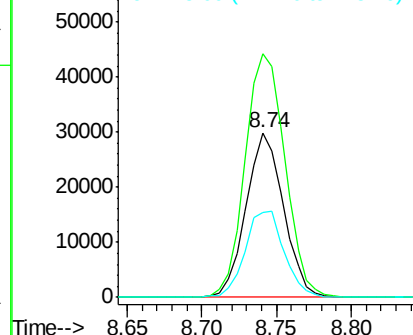
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.74 min Scan# 928
Delta R.T. -0.00 min
Lab File: BG032172.D
Acq: 20 Jan 2018 5:45

Instrument :
BNA_G
ClientSampleId :
4469-73

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#



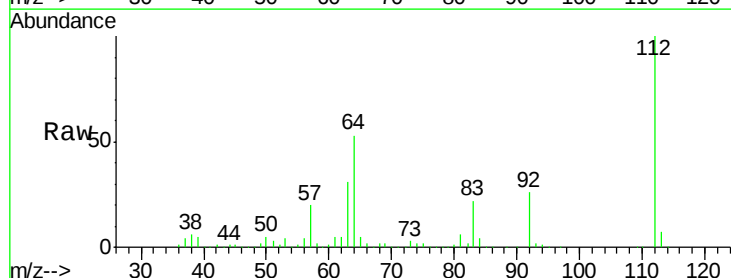
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



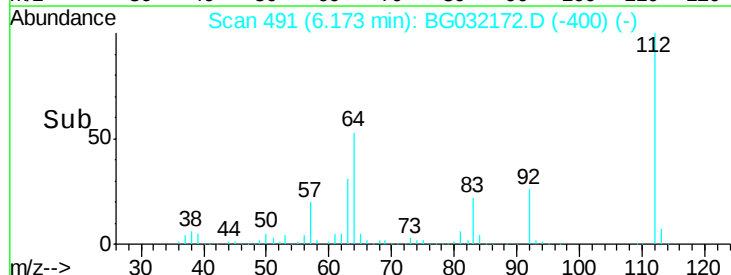
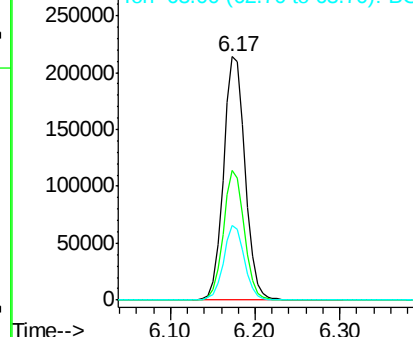
#5

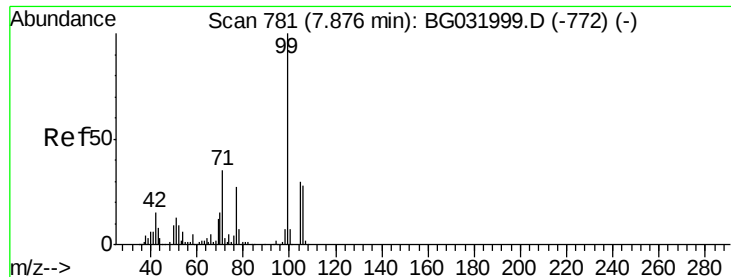
2-Fluorophenol
Concen: 134.168 ng
RT: 6.17 min Scan# 491
Delta R.T. 0.00 min
Lab File: BG032172.D
Acq: 20 Jan 2018 5:45

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 :

4469-73

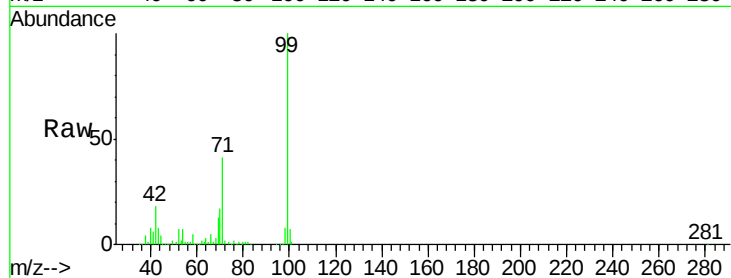
Tot Ion: 99 Resp: 426573

Ion Ratio Lower Upper

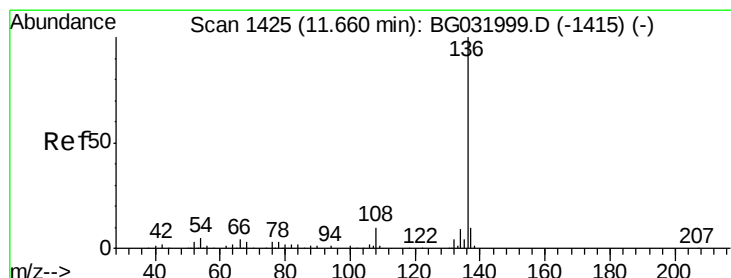
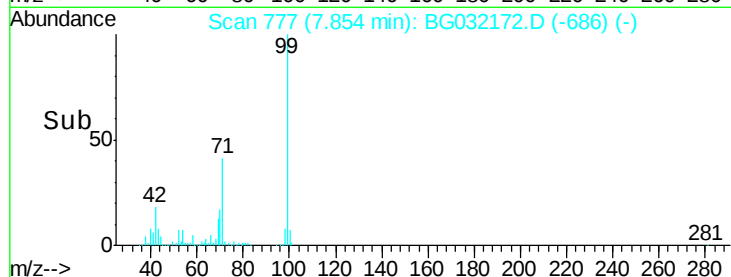
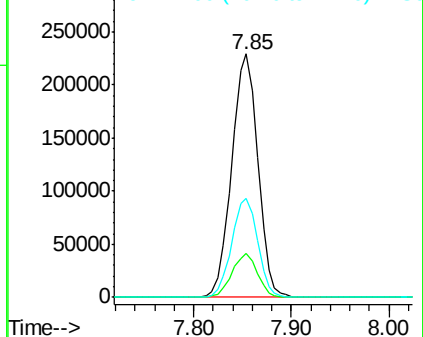
99 100

42 18.2 14.1 21.1

71 40.7 26.1 39.1#



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



#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: 136 Resp: 196508

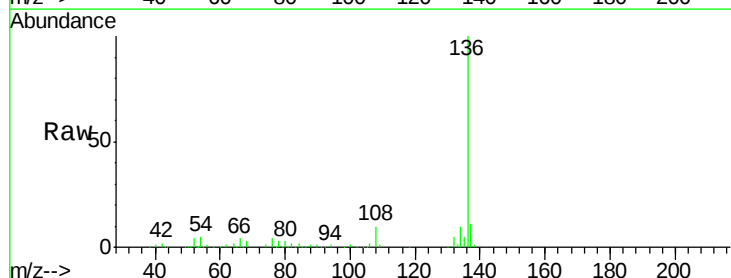
Ion Ratio Lower Upper

136 100

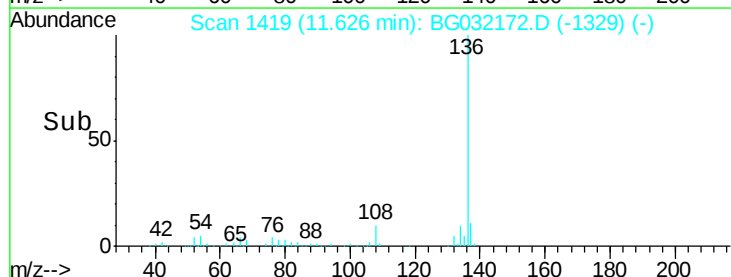
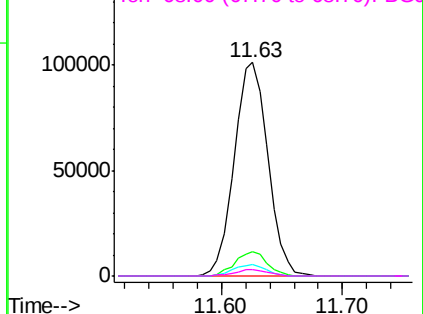
137 11.2 9.2 13.8

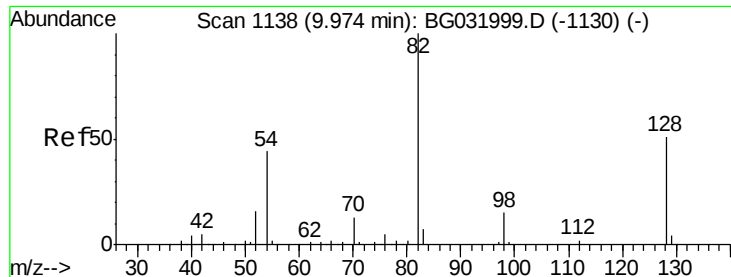
54 5.3 10.3 15.5#

68 3.2 4.5 6.7#



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

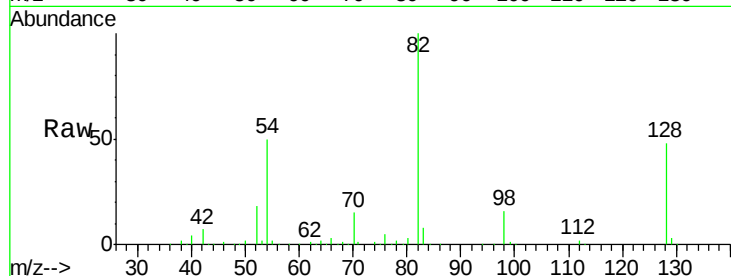




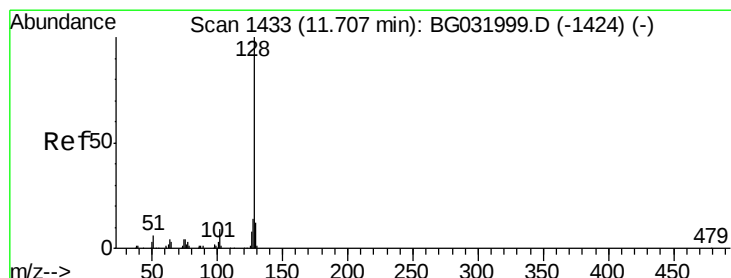
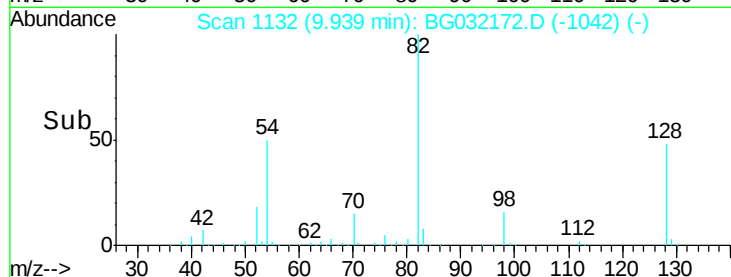
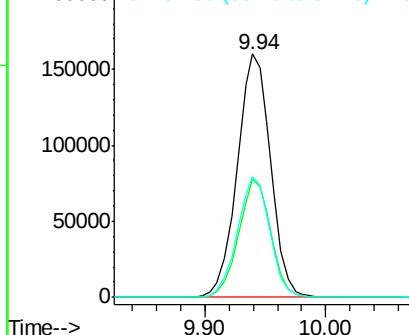
#23
 Nitrobenzene-d5
 Concen: 105.581 ng
 RT: 9.94 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: BG032172.D
 Acq: 20 Jan 2018 5:45

Instrument :
 BNA_G
 ClientSampleId :
 4469-73

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

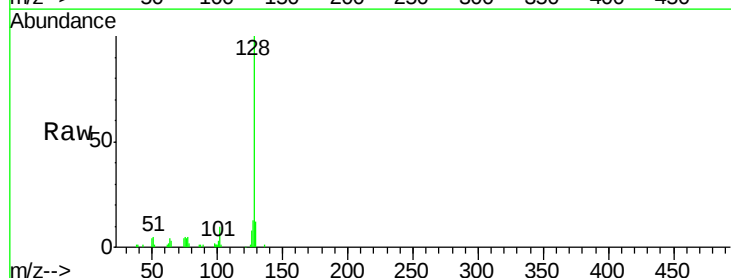


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

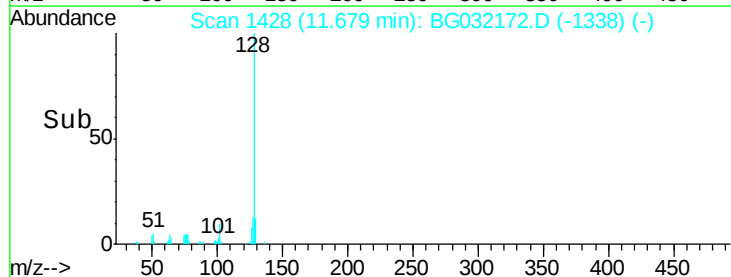
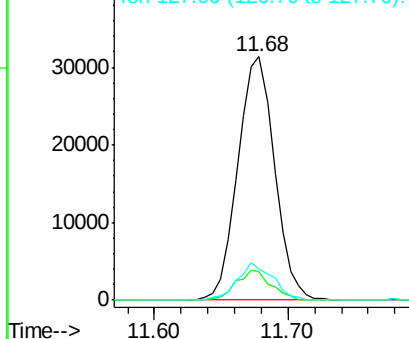


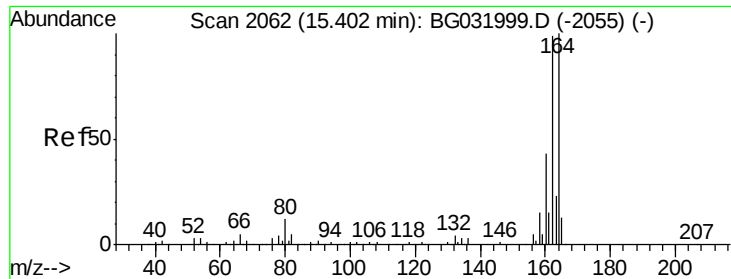
#31
 Naphthalene
 Concen: 6.133 ng
 RT: 11.68 min Scan# 1428
 Delta R.T. -0.00 min
 Lab File: BG032172.D
 Acq: 20 Jan 2018 5:45

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



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





#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 :

4469-73

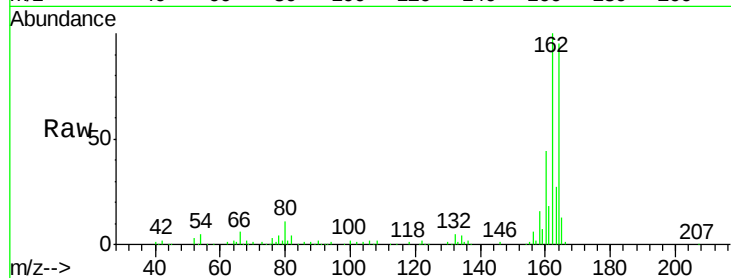
Tot Ion:164 Resp: 122145

Ion Ratio Lower Upper

164 100

162 105.0 78.8 118.2

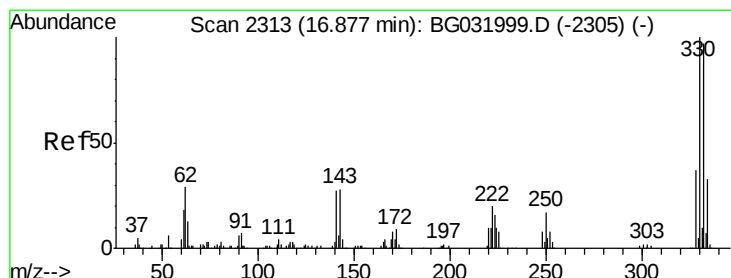
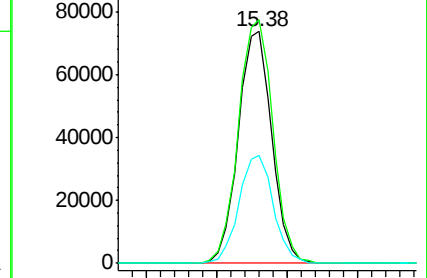
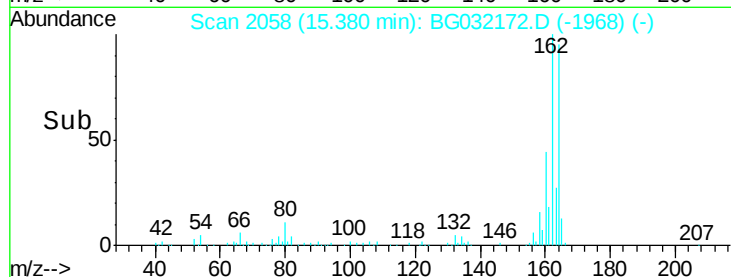
160 46.7 35.4 53.0



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

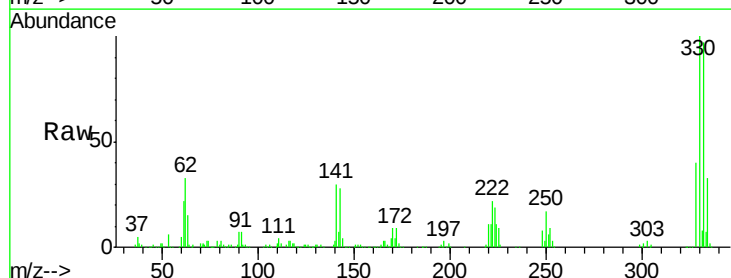
Tgt Ion:330 Resp: 325757

Ion Ratio Lower Upper

330 100

332 97.0 77.0 115.6

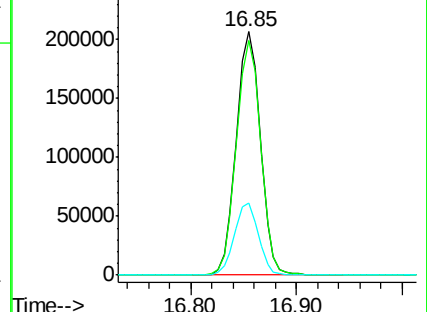
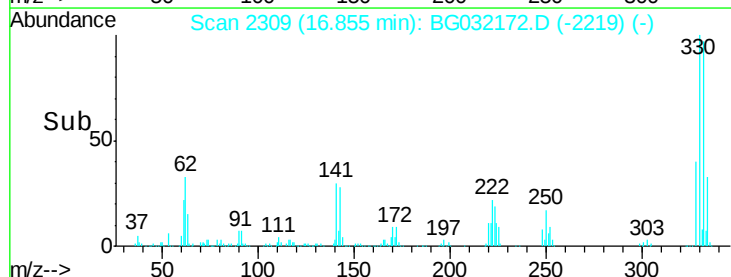
141 29.7 25.2 37.8

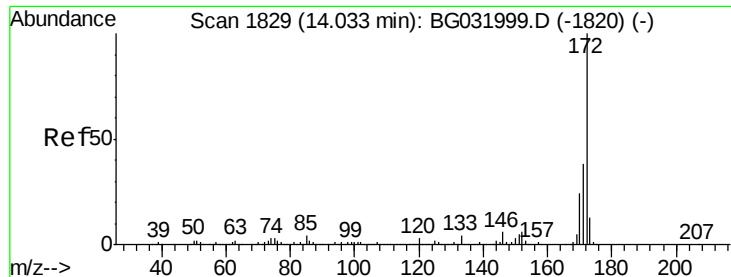


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

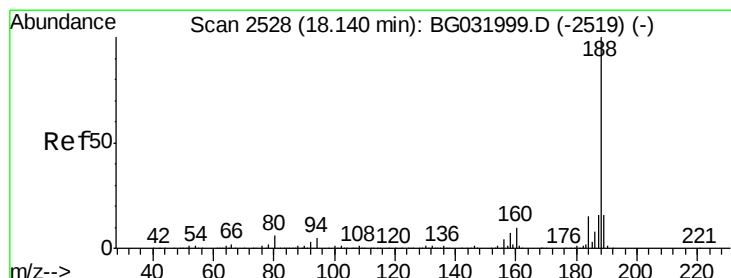
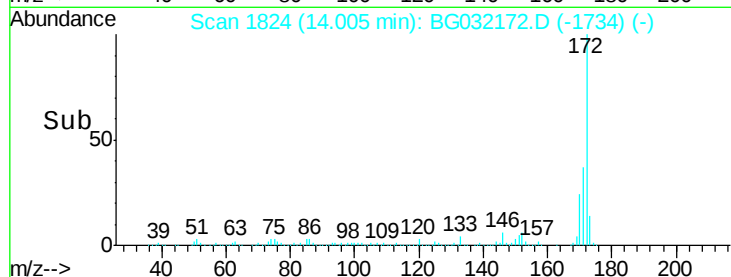
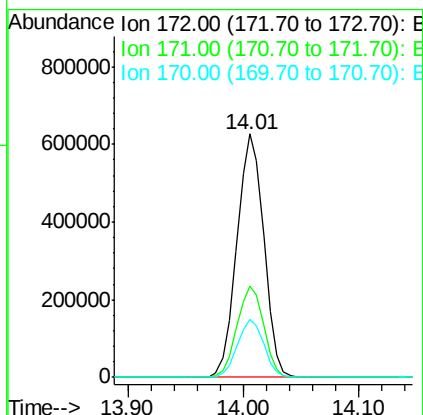
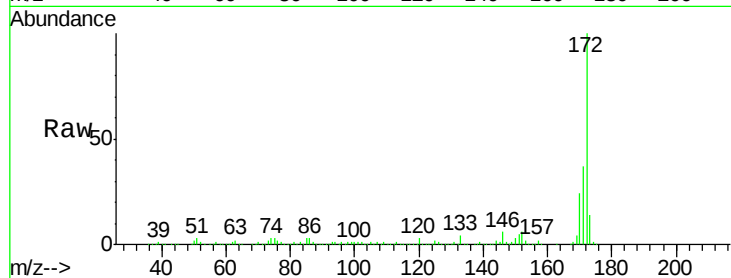




#44
 2-Fluorobiphenyl
 Concen: 102.228 ng
 RT: 14.01 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BG032172.D
 Acq: 20 Jan 2018 5:45

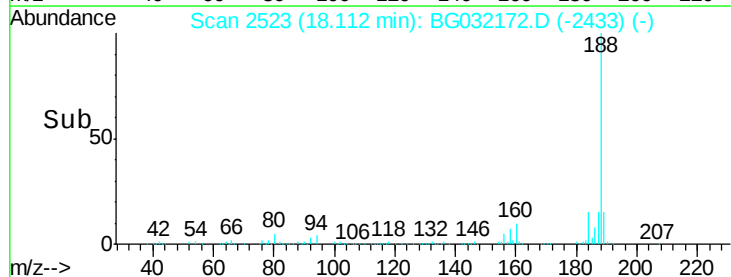
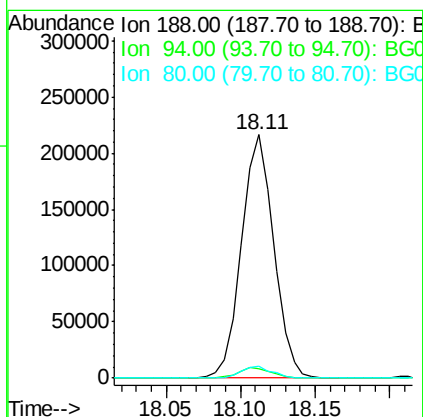
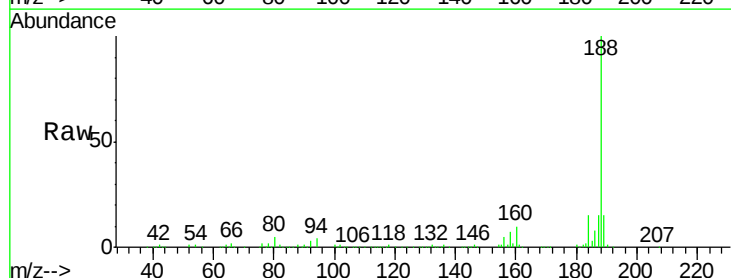
Instrument :
 BNA_G
 ClientSampleId :
 4469-73

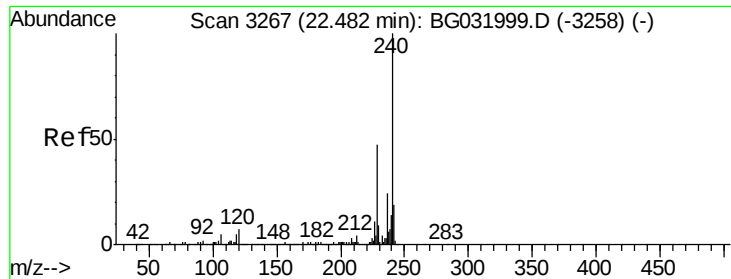
Tot Ion:172 Resp: 1007025
 Ion Ratio Lower Upper
 172 100
 171 37.3 30.0 45.0
 170 24.0 19.5 29.3



#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#





#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 :

4469-73

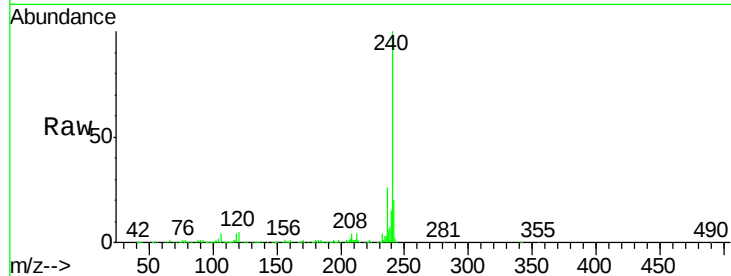
Tot Ion:240 Resp: 460769

Ion Ratio Lower Upper

240 100

120 5.1 6.8 10.2#

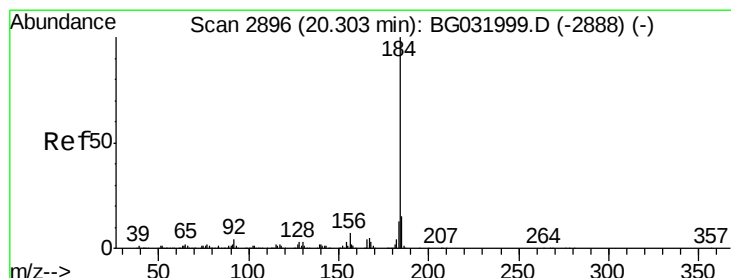
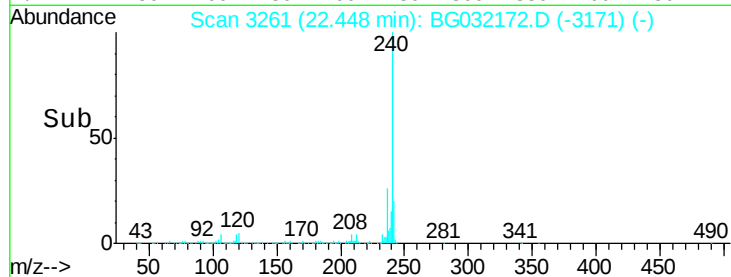
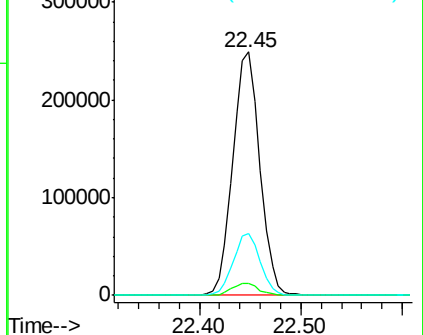
236 25.6 20.9 31.3



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

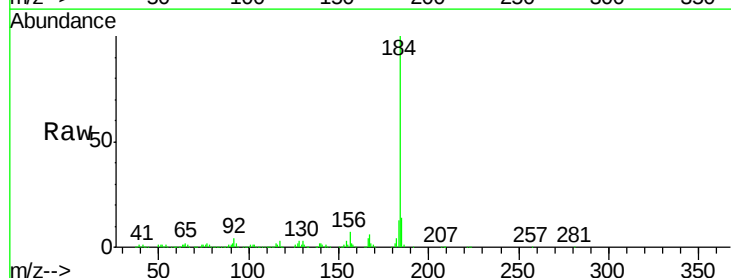
Tgt Ion:184 Resp: 347778

Ion Ratio Lower Upper

184 100

185 14.3 11.1 16.7

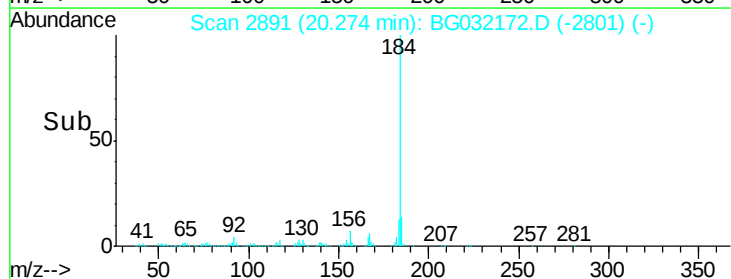
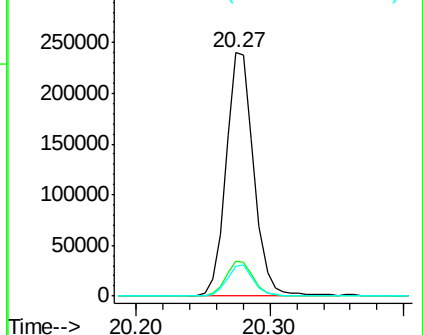
183 12.5 10.6 16.0

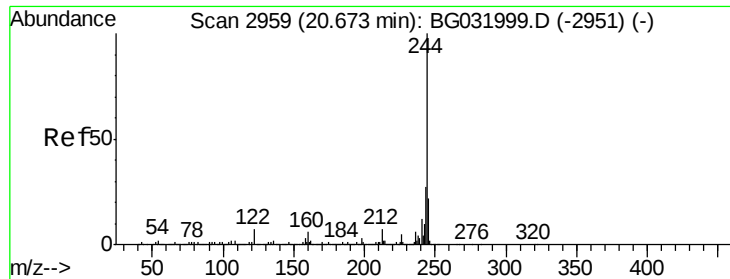


Abundance Ion 184.00 (183.70 to 184.70): E

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 :

4469-73

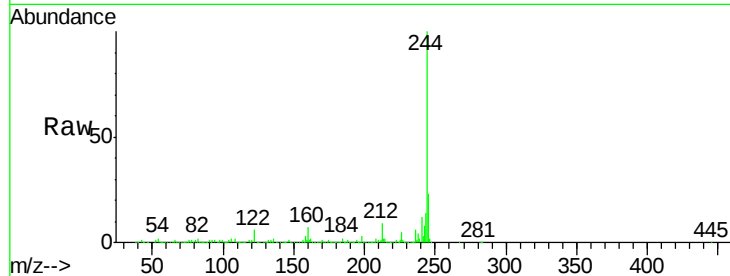
Tot Ion:244 Resp: 1961350

Ion Ratio Lower Upper

244 100

212 8.7 5.8 8.8

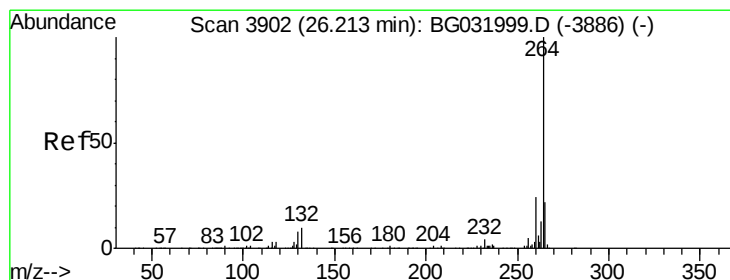
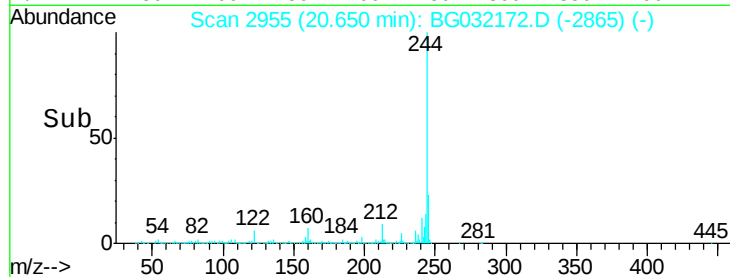
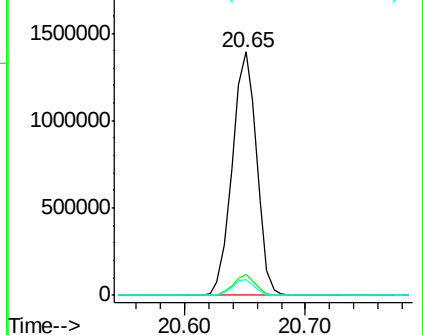
122 6.2 7.0 10.4#



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

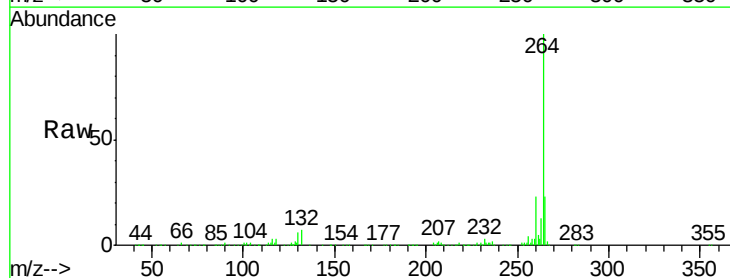
Tgt Ion:264 Resp: 475991

Ion Ratio Lower Upper

264 100

260 23.2 17.4 26.0

265 22.7 17.7 26.5



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

