

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080618\
 Data File : BG036133.D
 Acq On : 6 Aug 2018 18:46
 Operator : JU/SJ
 Sample : J4313-10
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C-9

Quant Time: Aug 07 01:16:57 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 31 12:30:06 2018
 Response via : Initial Calibration

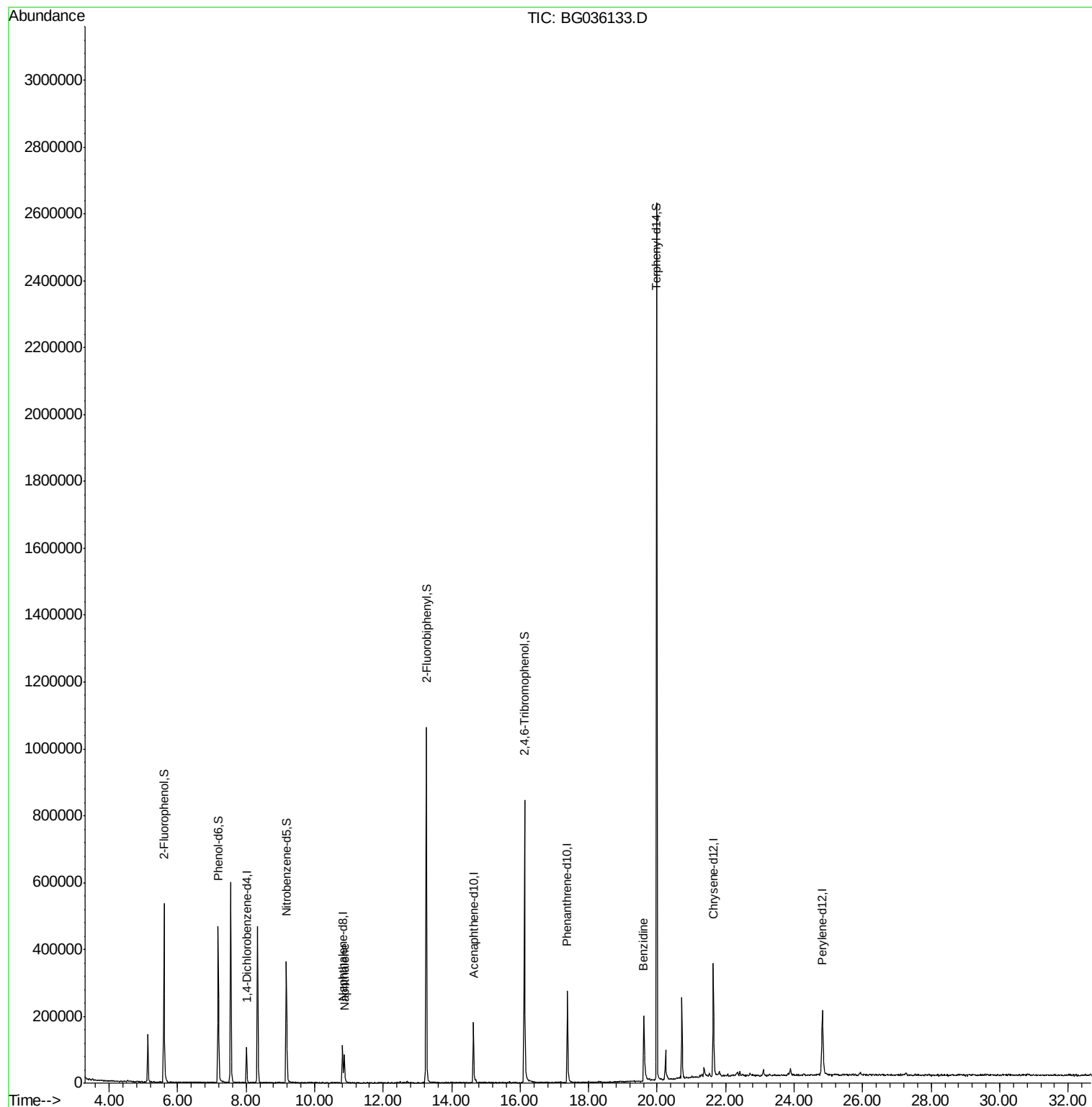
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	30257	20.00	ng	-0.01
21) Naphthalene-d8	10.81	136	102788	20.00	ng	-0.02
38) Acenaphthene-d10	14.63	164	70346	20.00	ng	-0.02
63) Phenanthrene-d10	17.38	188	208441	20.00	ng	-0.02
75) Chrysene-d12	21.64	240	239532	20.00	ng	-0.02
86) Perylene-d12	24.82	264	221556	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	238433	130.83	ng	0.00
7) Phenol-d6	7.18	99	296073	108.89	ng	-0.01
23) Nitrobenzene-d5	9.17	82	265634	107.96	ng	-0.02
41) 2,4,6-Tribromophenol	16.12	330	181804	196.08	ng	-0.02
44) 2-Fluorobiphenyl	13.26	172	596174	113.54	ng	-0.02
78) Terphenyl-d14	19.98	244	1256731	115.65	ng	-0.02
Target Compounds						
31) Naphthalene	10.86	128	72672	13.573	ng	97
76) Benzidine	19.61	184	177265	28.149	ng	98

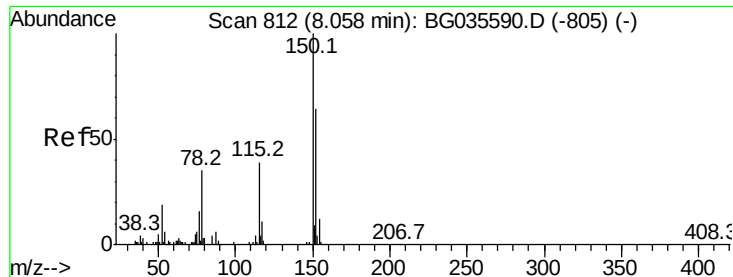
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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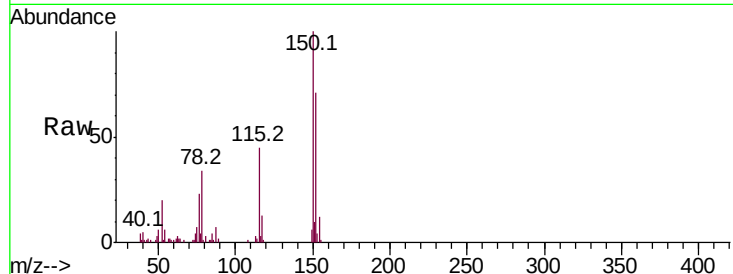


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 804
Delta R.T. -0.01 min
Lab File: BG036133.D
Acq: 6 Aug 2018 18:46

Instrument :
BNA_G
ClientSampleId :
C-9

Tot Ion	Ratio	Lower	Upper
152	100		
150	141.0	126.6	189.8
115	63.7	53.0	79.4

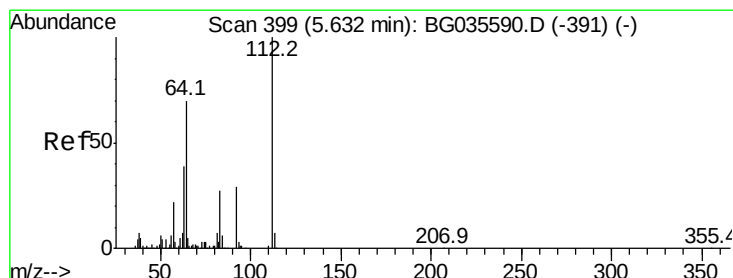
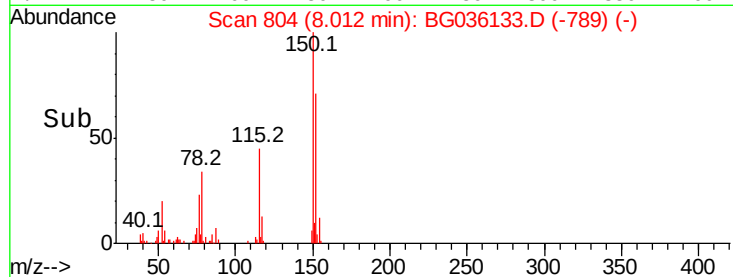
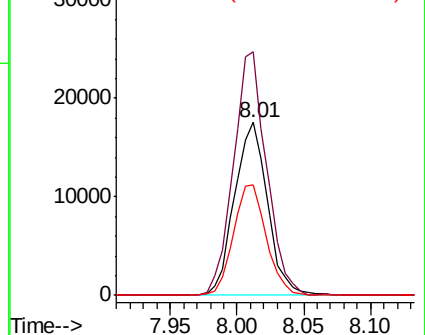


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

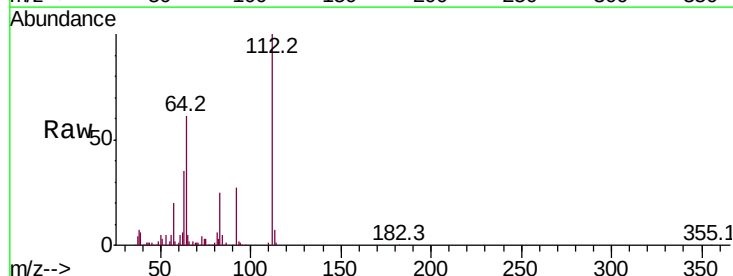
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 130.831 ng
RT: 5.60 min Scan# 393
Delta R.T. -0.01 min
Lab File: BG036133.D
Acq: 6 Aug 2018 18:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.3	56.3	84.5
63	35.2	30.1	45.1

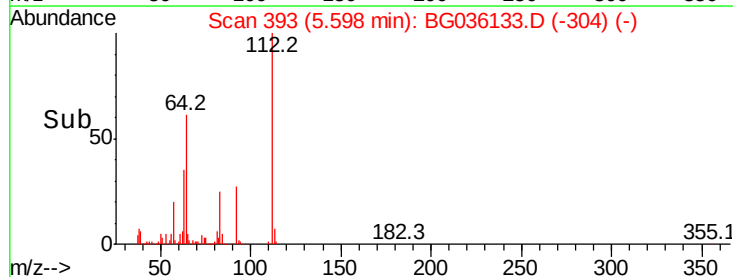
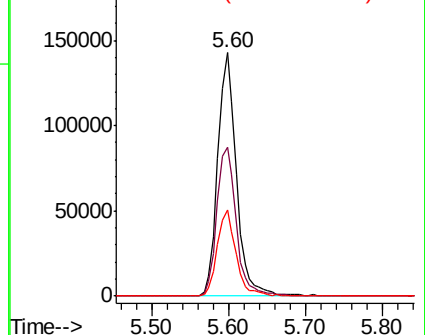


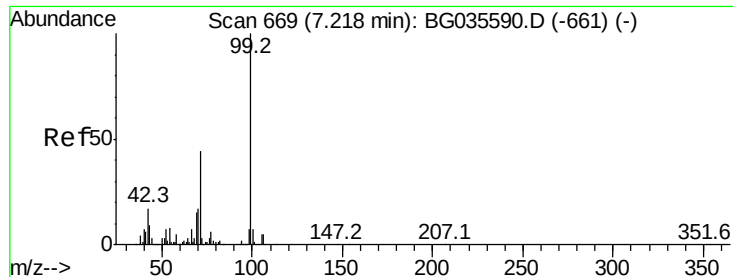
Abundance

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: 108.887 ng

RT: 7.18 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG036133.D

Acq: 6 Aug 2018 18:46

Instrument :

BNA_G

ClientSampleId :

C-9

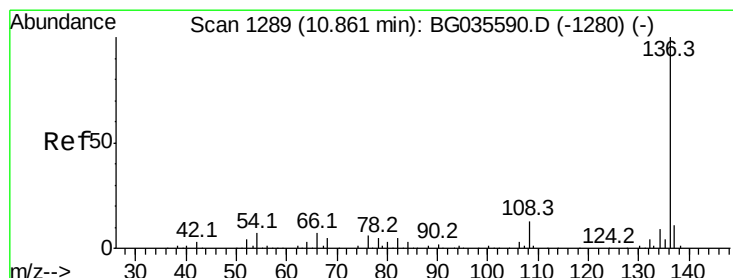
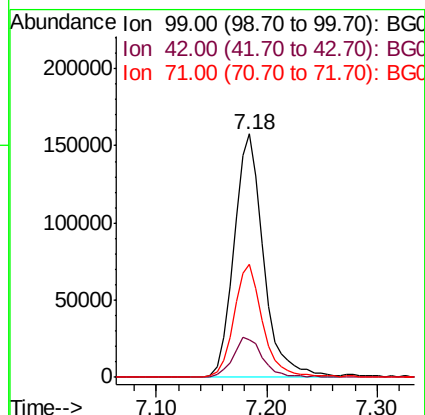
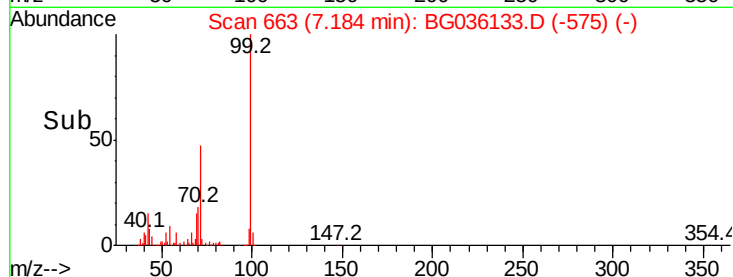
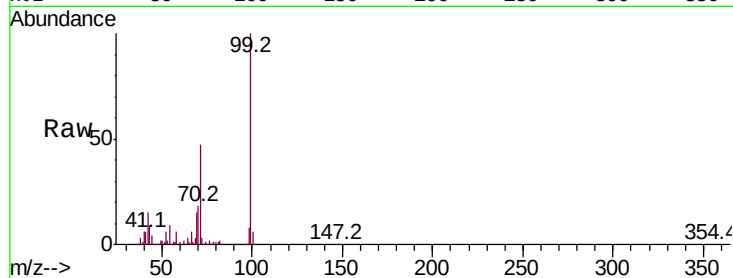
Tot Ion: 99 Resp: 296073

Ion Ratio Lower Upper

99 100

42 15.5 14.1 21.1

71 46.5 26.1 39.1#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.81 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BG036133.D

Acq: 6 Aug 2018 18:46

Tgt Ion: 136 Resp: 102788

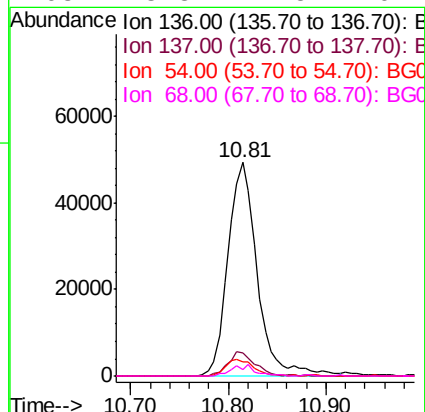
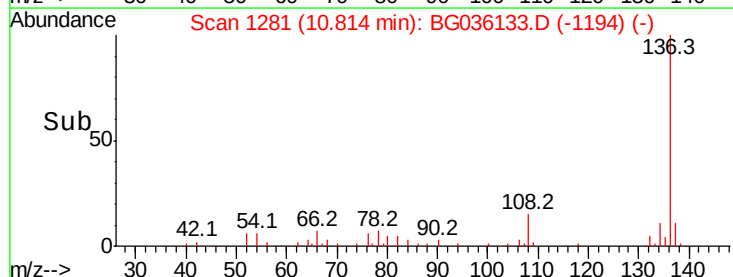
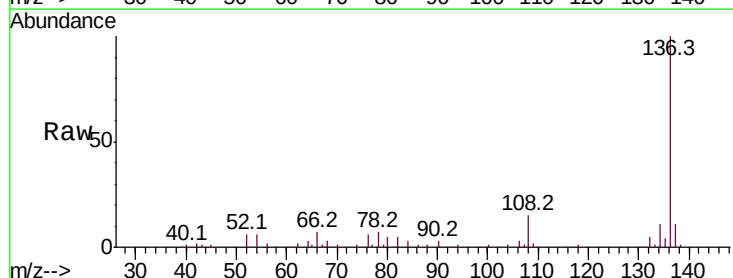
Ion Ratio Lower Upper

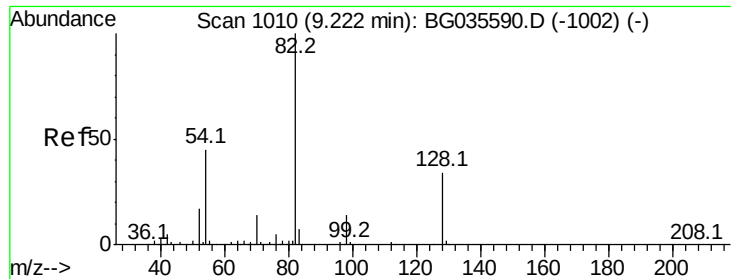
136 100

137 10.6 9.2 13.8

54 6.4 10.3 15.5#

68 3.3 4.5 6.7#

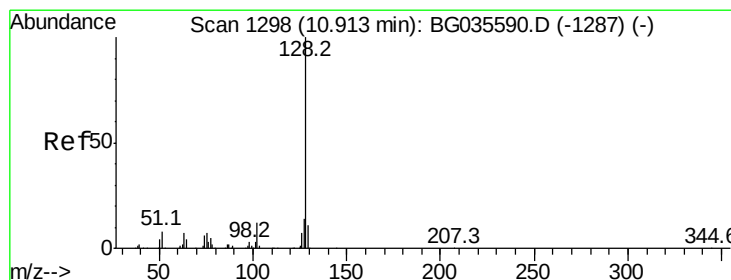
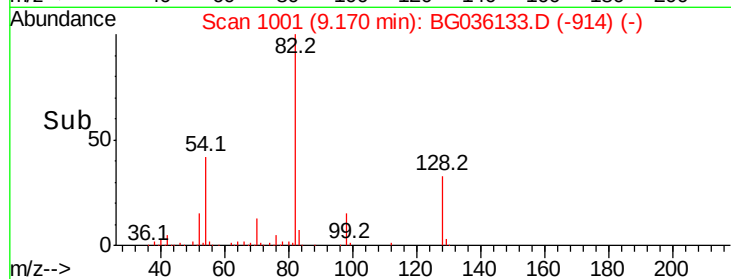
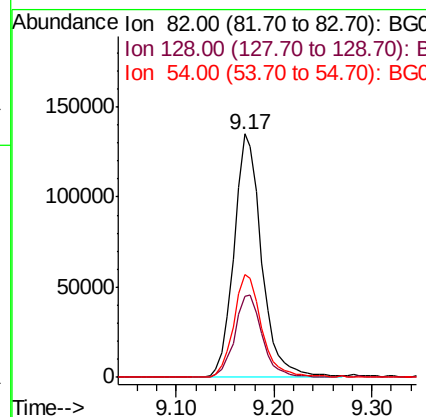
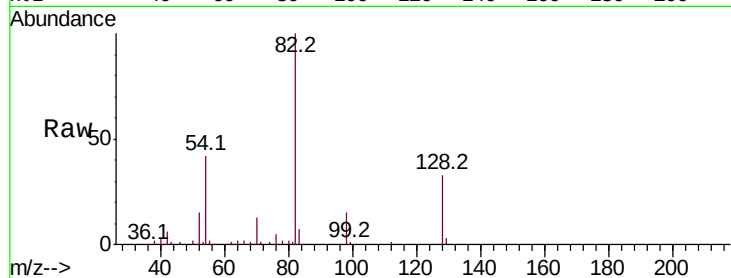




#23
Nitrobenzene-d5
Concen: 107.958 ng
RT: 9.17 min Scan# 1001
Delta R.T. -0.02 min
Lab File: BG036133.D
Acq: 6 Aug 2018 18:46

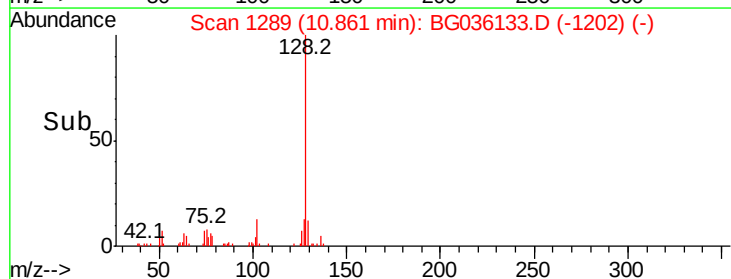
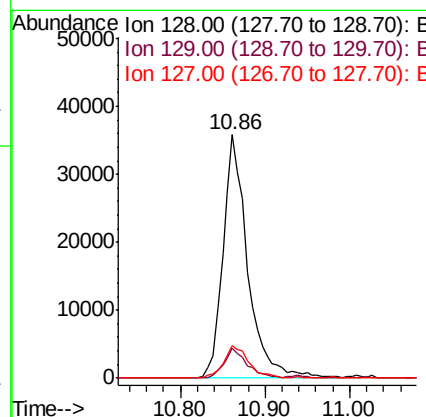
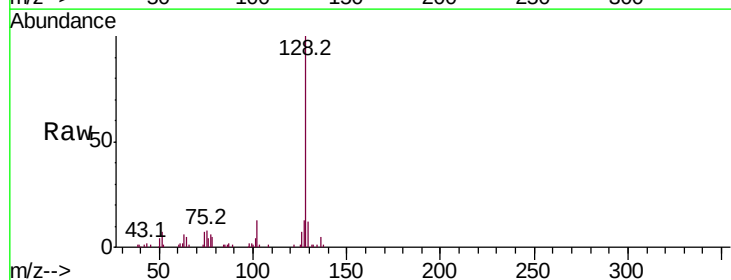
Instrument :
BNA_G
ClientSampleId :
C-9

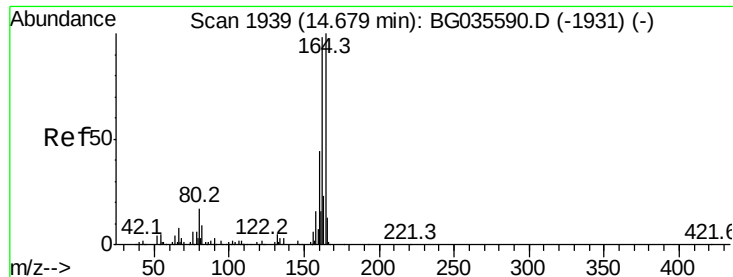
Tot Ion: 82 Resp: 265634
Ion Ratio Lower Upper
82 100
128 33.5 29.7 44.5
54 42.4 43.1 64.7#



#31
Naphthalene
Concen: 13.573 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.02 min
Lab File: BG036133.D
Acq: 6 Aug 2018 18:46

Tgt Ion:128 Resp: 72672
Ion Ratio Lower Upper
128 100
129 12.1 8.6 12.8
127 13.1 11.6 17.4





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1931

Delta R.T. -0.02 min

Lab File: BG036133.D

Acq: 6 Aug 2018 18:46

Instrument :

BNA_G

ClientSampleId :

C-9

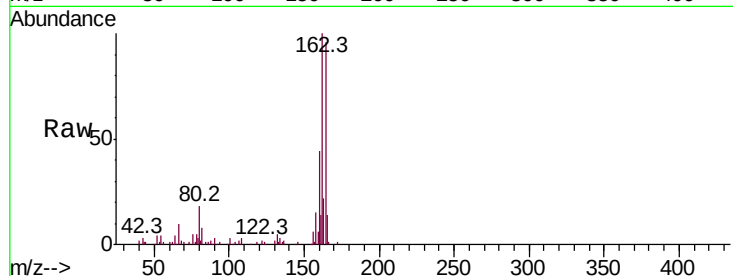
Tot Ion:164 Resp: 70346

Ion Ratio Lower Upper

164 100

162 104.1 78.8 118.2

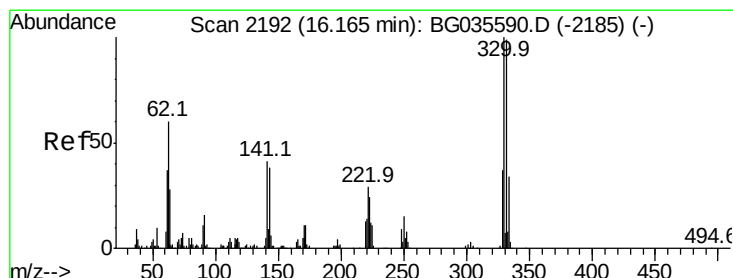
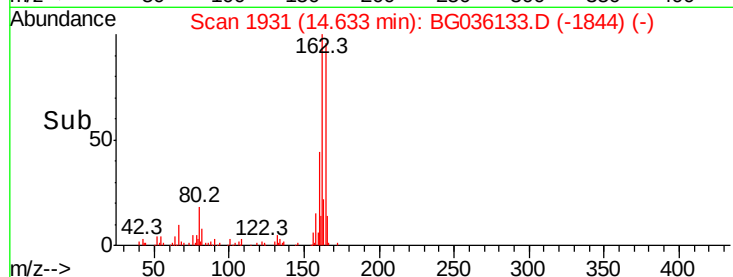
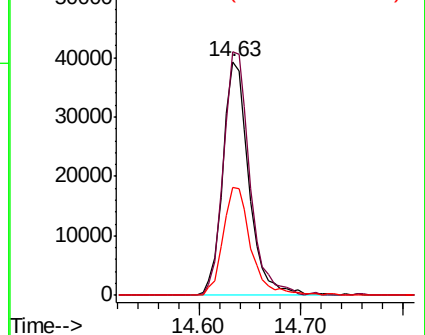
160 46.2 35.4 53.0



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: 196.077 ng

RT: 16.12 min Scan# 2185

Delta R.T. -0.02 min

Lab File: BG036133.D

Acq: 6 Aug 2018 18:46

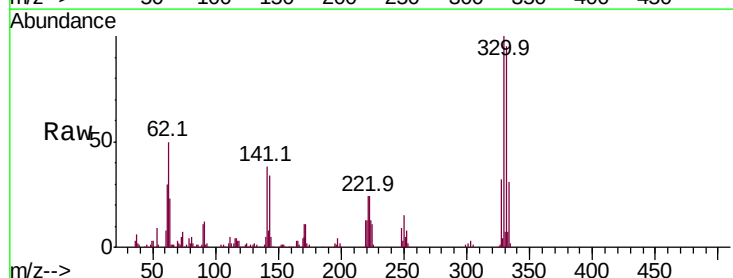
Tgt Ion:330 Resp: 181804

Ion Ratio Lower Upper

330 100

332 93.4 77.0 115.6

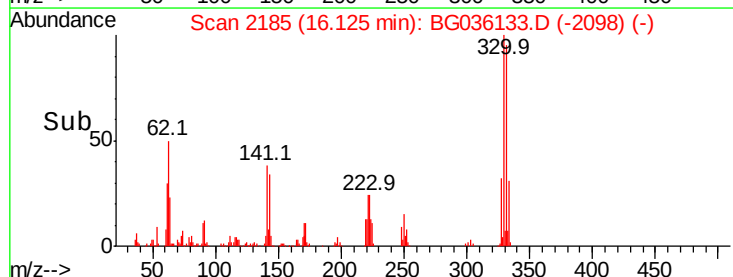
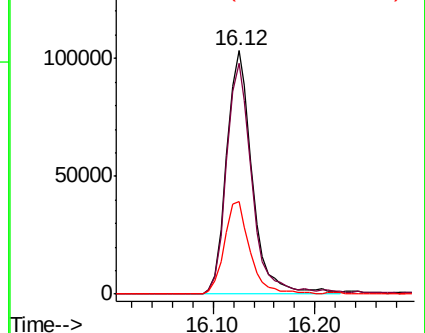
141 38.1 25.2 37.8#

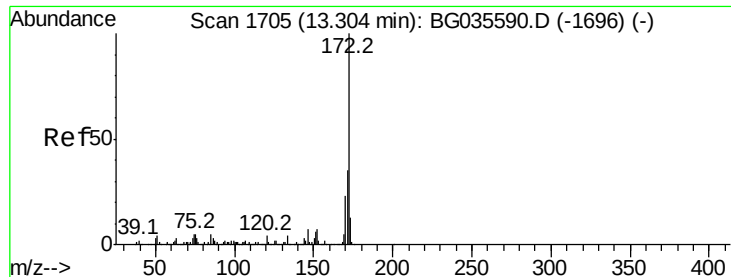


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

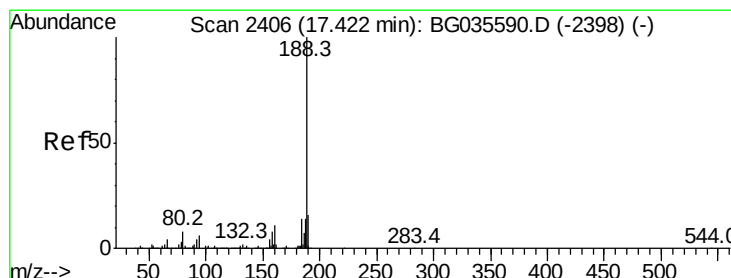
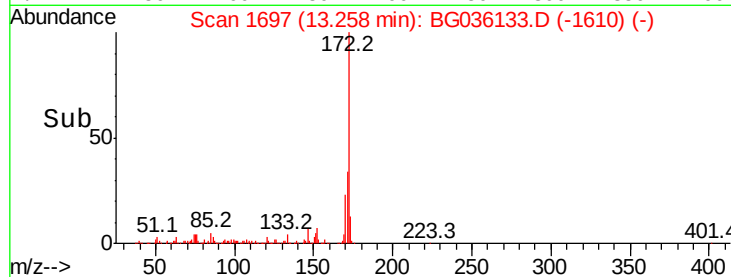
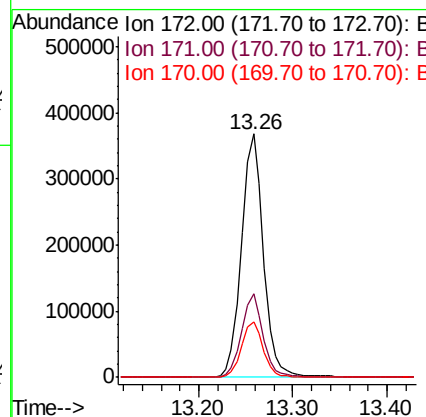
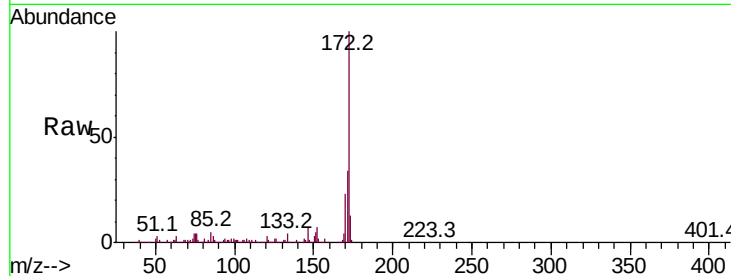




#44
 2-Fluorobiphenyl
 Concen: 113.541 ng
 RT: 13.26 min Scan# 1697
 Delta R.T. -0.02 min
 Lab File: BG036133.D
 Acq: 6 Aug 2018 18:46

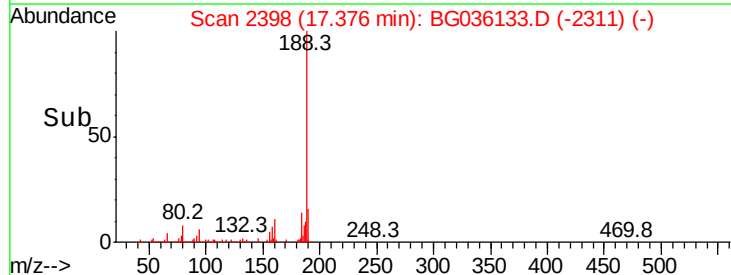
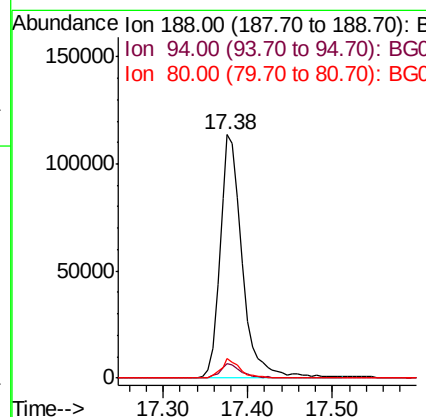
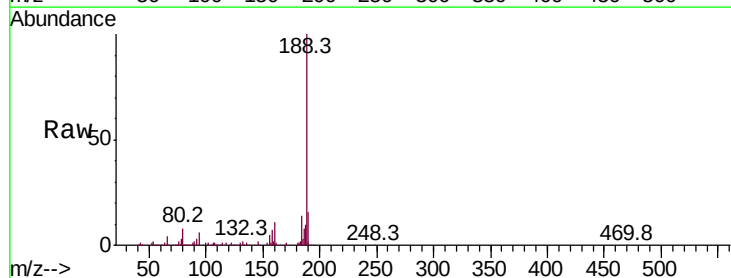
Instrument :
 BNA_G
 ClientSampled :
 C-9

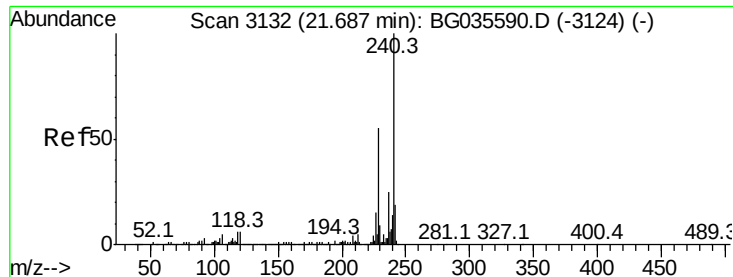
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.4	30.0	45.0
170	22.8	19.5	29.3



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.38 min Scan# 2398
 Delta R.T. -0.02 min
 Lab File: BG036133.D
 Acq: 6 Aug 2018 18:46

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.9	6.9	10.3#
80	7.8	7.7	11.5





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3124

Delta R.T. -0.02 min

Lab File: BG036133.D

Acq: 6 Aug 2018 18:46

Instrument :

BNA_G

ClientSampleId :

C-9

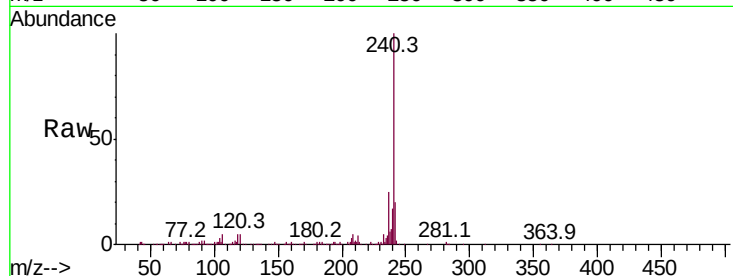
Tot Ion:240 Resp: 239532

Ion Ratio Lower Upper

240 100

120 5.3 6.8 10.2#

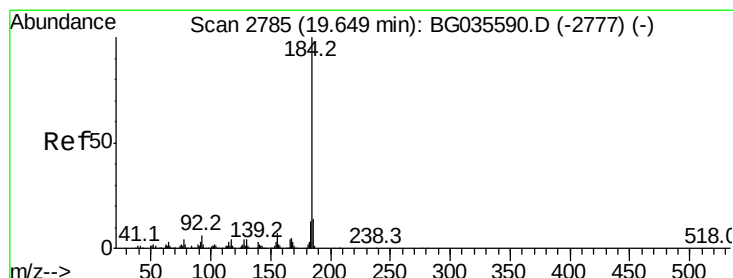
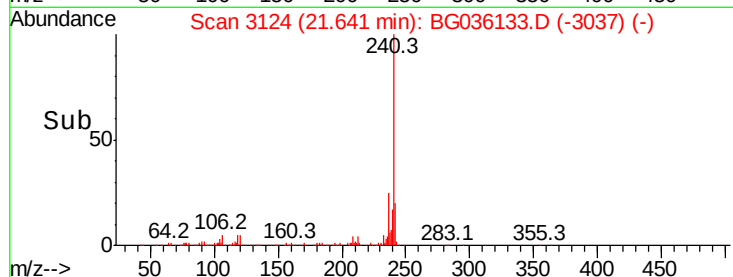
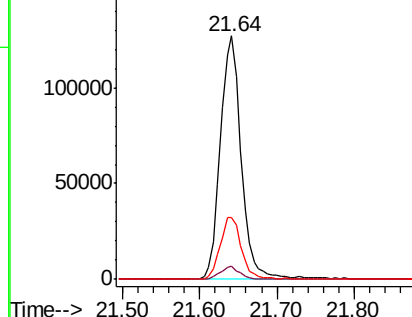
236 25.4 20.9 31.3



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: 28.149 ng

RT: 19.61 min Scan# 2778

Delta R.T. -0.02 min

Lab File: BG036133.D

Acq: 6 Aug 2018 18:46

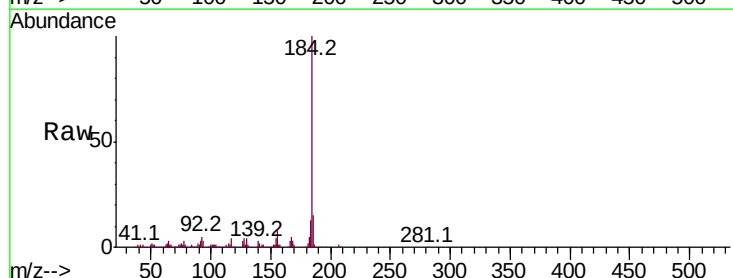
Tgt Ion:184 Resp: 177265

Ion Ratio Lower Upper

184 100

185 15.0 11.1 16.7

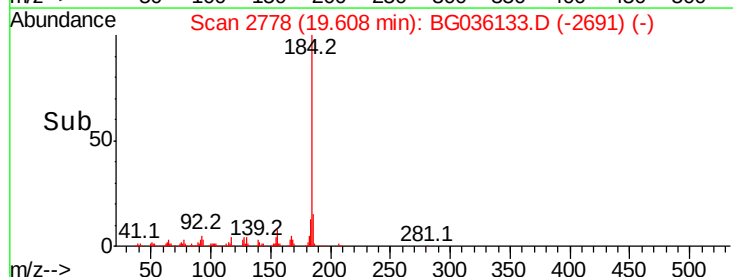
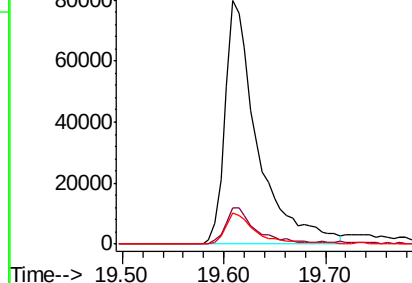
183 12.8 10.6 16.0

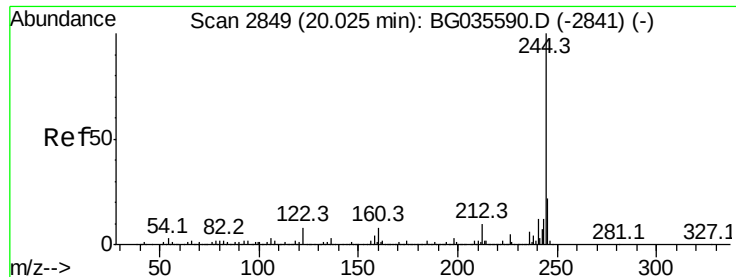


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 115.651 ng

RT: 19.98 min Scan# 2842

Delta R.T. -0.02 min

Lab File: BG036133.D

Acq: 6 Aug 2018 18:46

Instrument :

BNA_G

ClientSampleId :

C-9

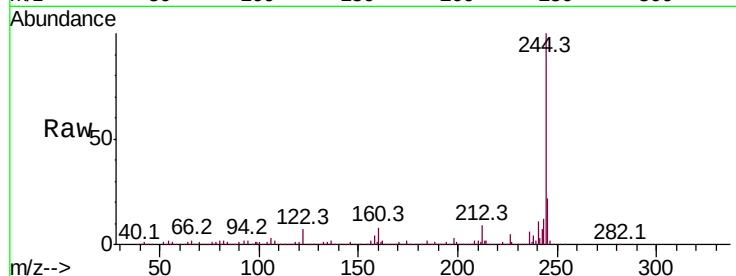
Tot Ion:244 Resp: 1256731

Ion Ratio Lower Upper

244 100

212 9.4 5.8 8.8#

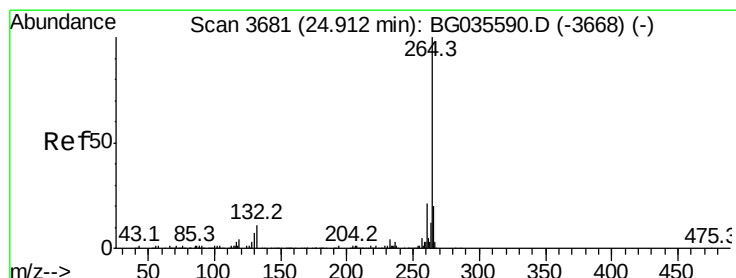
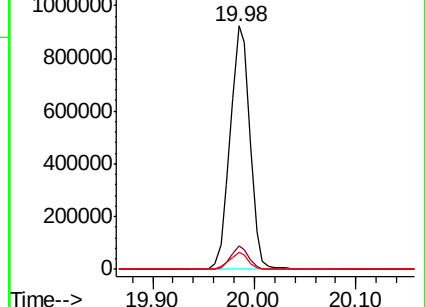
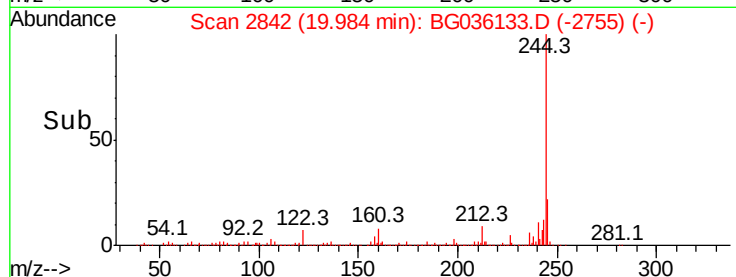
122 6.9 7.0 10.4#



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: 24.82 min Scan# 3666

Delta R.T. -0.04 min

Lab File: BG036133.D

Acq: 6 Aug 2018 18:46

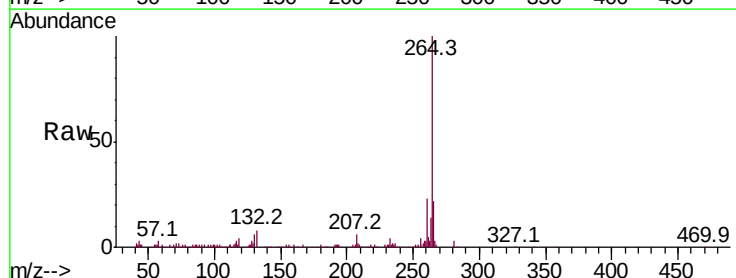
Tgt Ion:264 Resp: 221556

Ion Ratio Lower Upper

264 100

260 22.8 17.4 26.0

265 22.4 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

