

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG062716\
 Data File : BG022635.D
 Acq On : 27 Jun 2016 9:42
 Operator : UM/SJ
 Sample : H3701-09
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TEC-COMP-B2A

Quant Time: Jun 27 14:54:23 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 24 20:14:59 2016
 Response via : Initial Calibration

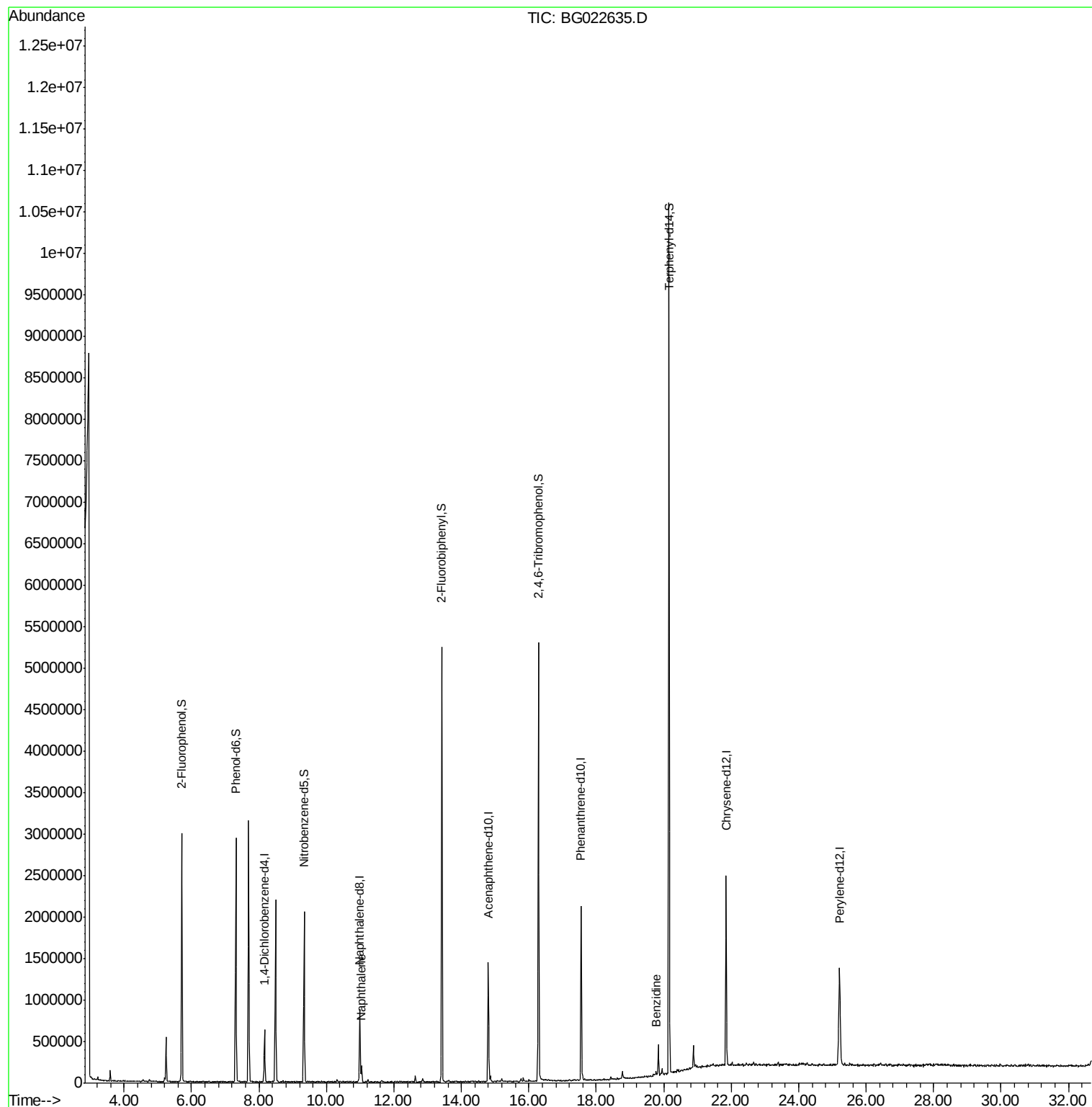
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	162618	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	692467	20.00	ng	0.00
38) Acenaphthene-d10	14.80	164	503239	20.00	ng	0.00
63) Phenanthrene-d10	17.55	188	1285006	20.00	ng	0.00
75) Chrysene-d12	21.85	240	1442928	20.00	ng	0.00
86) Perylene-d12	25.21	264	1436577	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	1182221	116.61	ng	0.00
7) Phenol-d6	7.31	99	1655245	115.83	ng	0.01
23) Nitrobenzene-d5	9.34	82	1316519	80.47	ng	0.00
41) 2,4,6-Tribromophenol	16.29	330	985306	124.48	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	2447734	77.14	ng	0.00
78) Terphenyl-d14	20.16	244	3517110	64.58	ng	0.00
Target Compounds						
31) Naphthalene	11.04	128	153418	4.41	ng	96
76) Benzidine	19.78	184	32879	2.14	ng	99

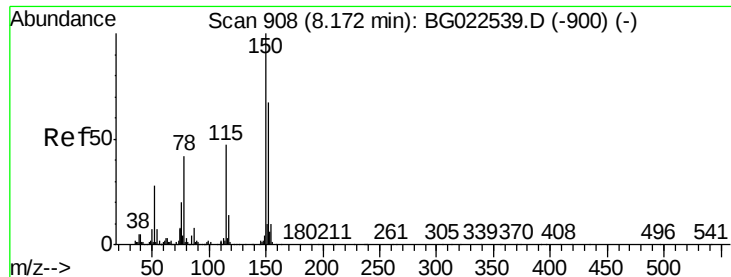
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG062716\
Data File : BG022635.D
Acq On : 27 Jun 2016 9:42
Operator : UM/SJ
Sample : H3701-09
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TEC-COMP-B2A

Quant Time: Jun 27 14:54:23 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 24 20:14:59 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.16 min Scan# 906

Delta R.T. -0.01 min

Lab File: BG022635.D

Acq: 27 Jun 2016 9:42

Instrument :

BNA_G

ClientSampleId :

TEC-COMP-B2A

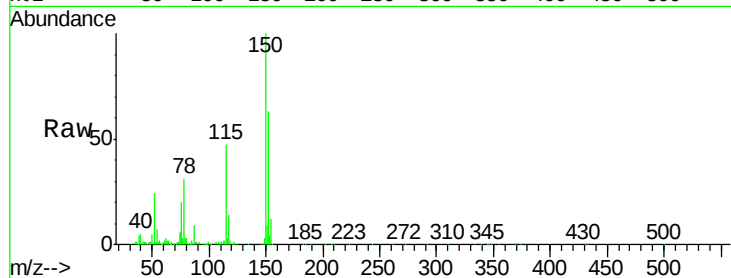
Tgt Ion:152 Resp: 162618

Ion Ratio Lower Upper

152 100

150 157.6 144.7 217.1

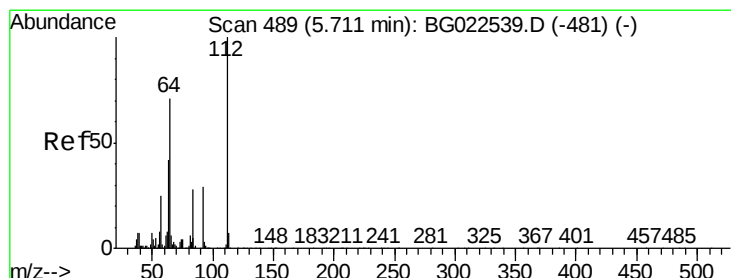
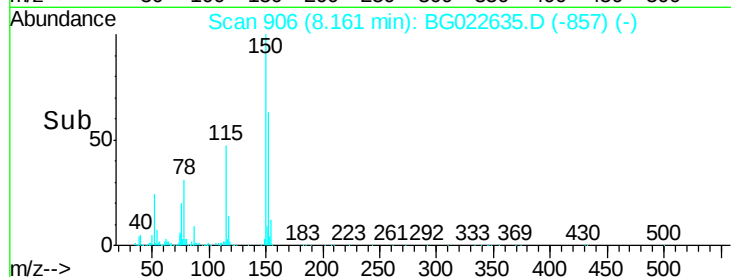
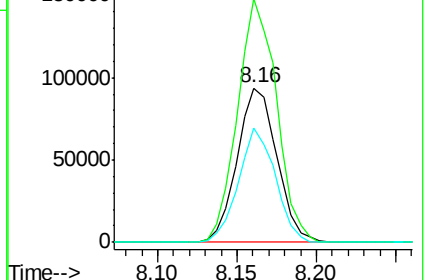
115 73.6 64.0 96.0



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: 116.61 ng

RT: 5.71 min Scan# 489

Delta R.T. 0.01 min

Lab File: BG022635.D

Acq: 27 Jun 2016 9:42

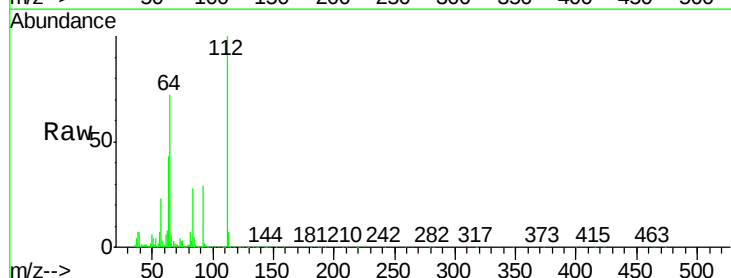
Tgt Ion:112 Resp: 1182221

Ion Ratio Lower Upper

112 100

64 71.8 59.0 88.4

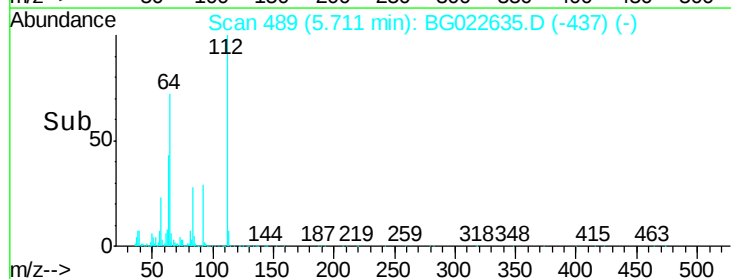
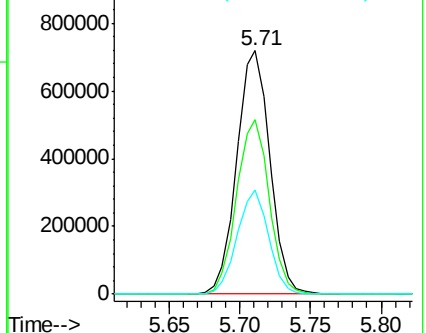
63 42.8 37.8 56.8

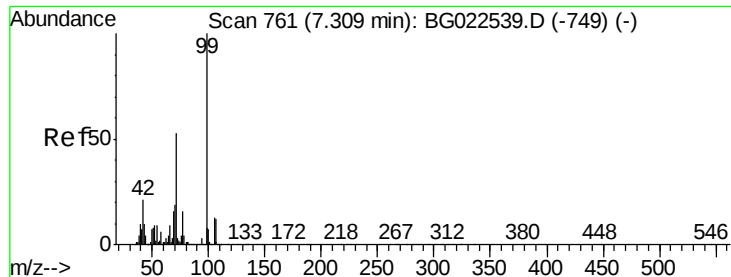


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 115.83 ng

RT: 7.31 min Scan# 762

Delta R.T. 0.01 min

Lab File: BG022635.D

Acq: 27 Jun 2016 9:42

Instrument :

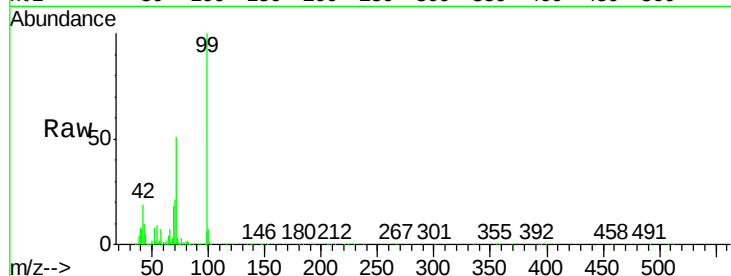
BNA_G

ClientSampleId :

TEC-COMP-B2A

Tgt Ion: 99 Resp: 1655245

Ion	Ratio	Lower	Upper
99	100		
42	18.9	17.8	26.6
71	51.1	41.5	62.3



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

1200000

1000000

800000

600000

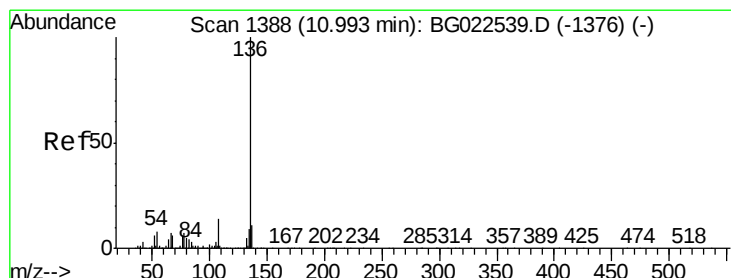
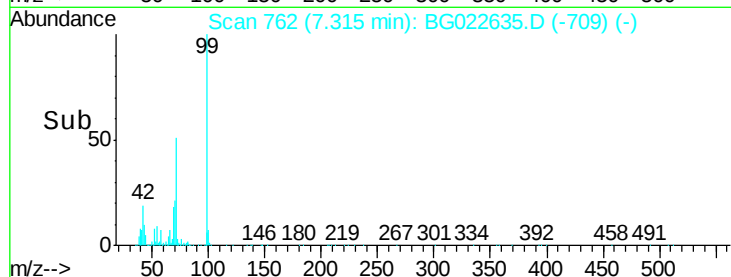
400000

200000

0

7.25 7.30 7.35 7.40

Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.99 min Scan# 1387

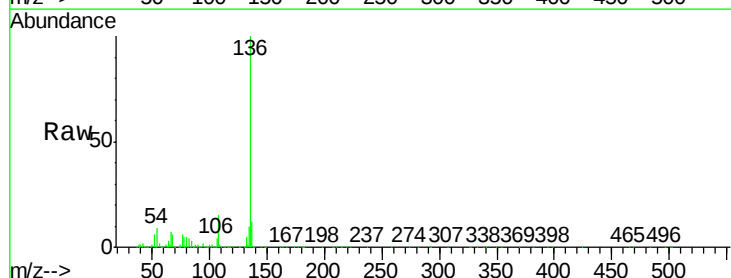
Delta R.T. -0.01 min

Lab File: BG022635.D

Acq: 27 Jun 2016 9:42

Tgt Ion: 136 Resp: 692467

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.6	14.4
54	9.2	7.3	10.9
68	5.5	5.3	7.9



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

600000

500000

400000

300000

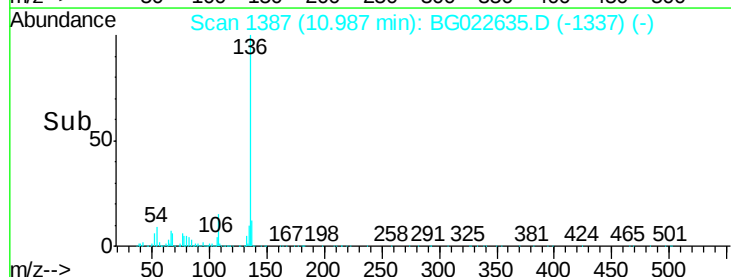
200000

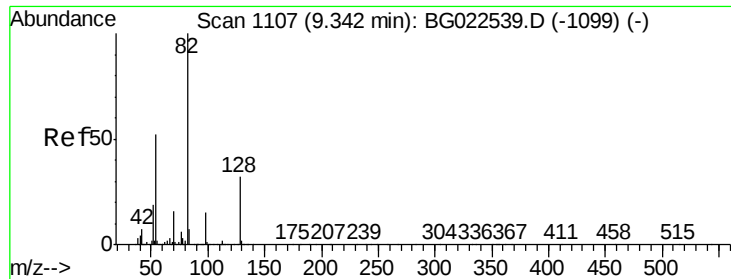
100000

0

10.90 11.00 11.10

Time-->

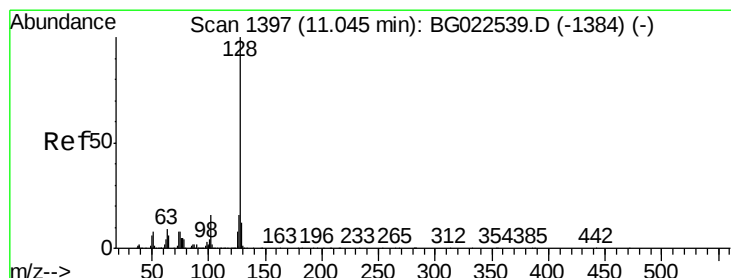
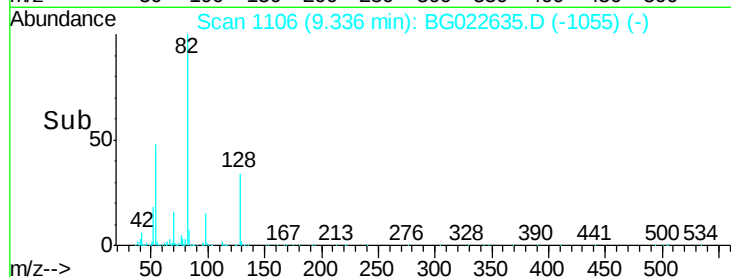
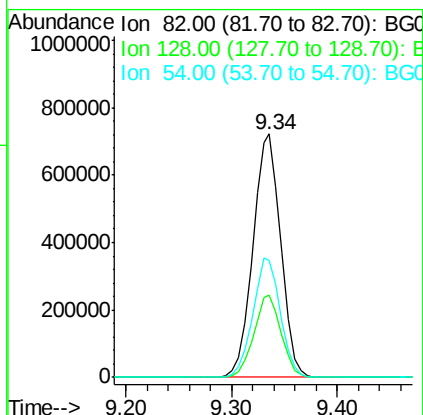
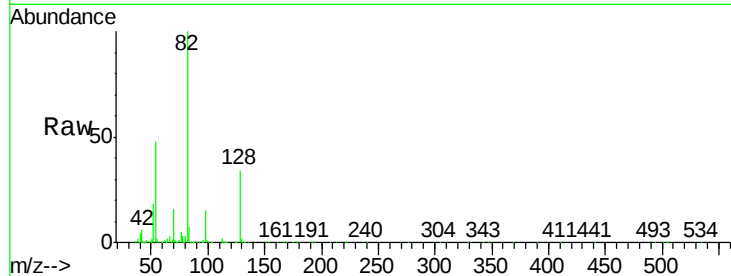




#23
Nitrobenzene-d5
Concen: 80.47 ng
RT: 9.34 min Scan# 1106
Delta R.T. -0.00 min
Lab File: BG022635.D
Acq: 27 Jun 2016 9:42

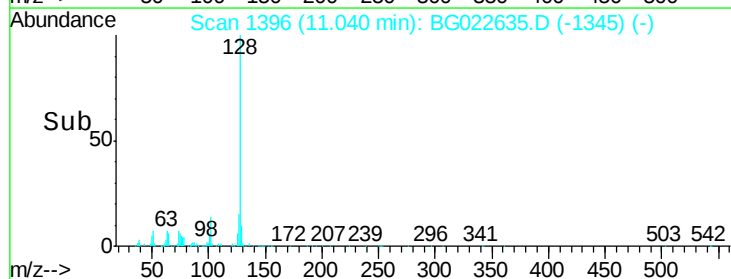
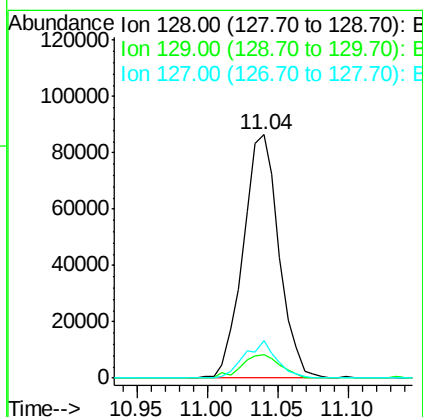
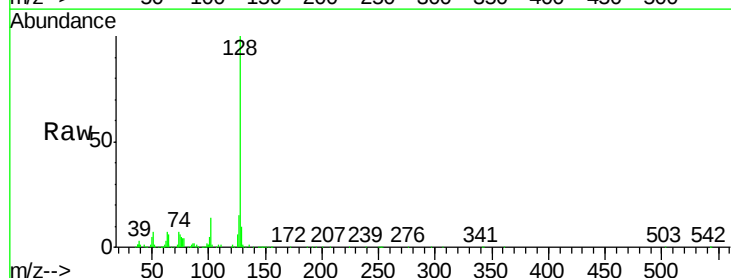
Instrument :
BNA_G
ClientSampleId :
TEC-COMP-B2A

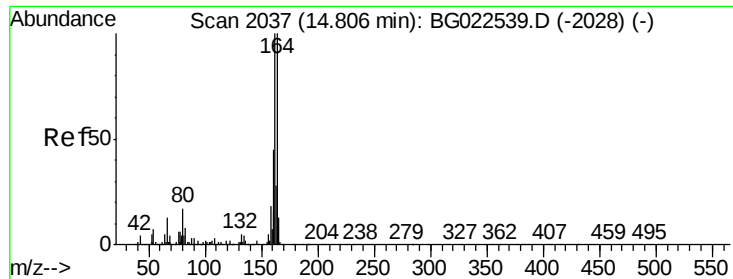
Tgt Ion: 82 Resp: 1316519
Ion Ratio Lower Upper
82 100
128 34.1 24.4 36.6
54 47.8 41.4 62.0



#31
Naphthalene
Concen: 4.41 ng
RT: 11.04 min Scan# 1396
Delta R.T. -0.00 min
Lab File: BG022635.D
Acq: 27 Jun 2016 9:42

Tgt Ion: 128 Resp: 153418
Ion Ratio Lower Upper
128 100
129 9.8 9.4 14.0
127 15.3 11.3 16.9





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.80 min Scan# 2036

Delta R.T. -0.00 min

Lab File: BG022635.D

Acq: 27 Jun 2016 9:42

Instrument :

BNA_G

ClientSampleId :

TEC-COMP-B2A

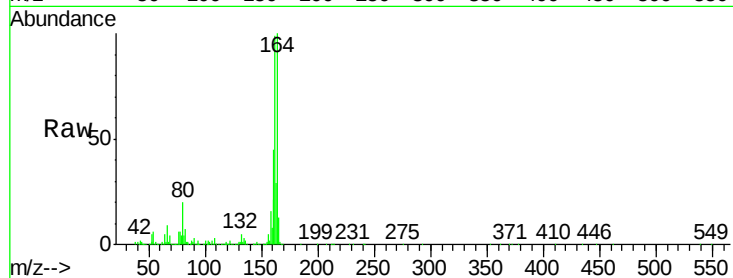
Tgt Ion:164 Resp: 503239

Ion Ratio Lower Upper

164 100

162 99.2 87.7 131.5

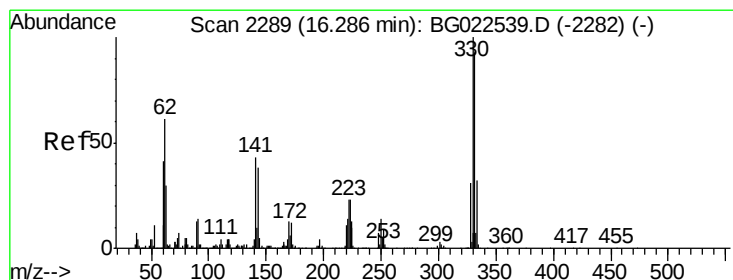
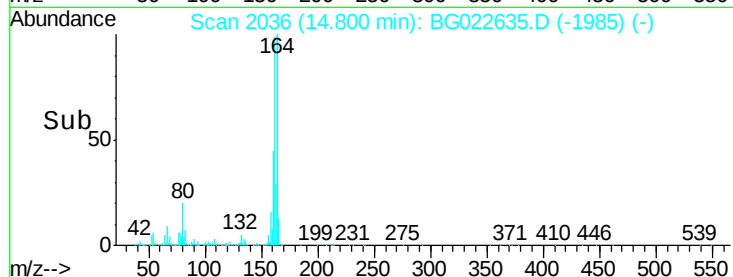
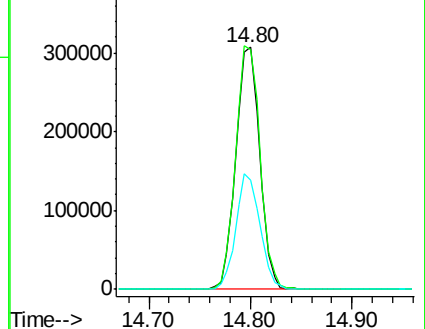
160 45.3 37.2 55.8



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: 124.48 ng

RT: 16.29 min Scan# 2289

Delta R.T. -0.00 min

Lab File: BG022635.D

Acq: 27 Jun 2016 9:42

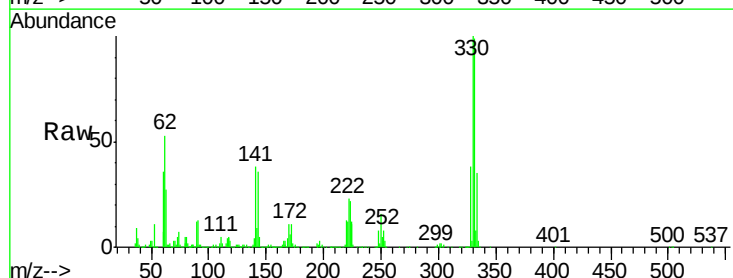
Tgt Ion:330 Resp: 985306

Ion Ratio Lower Upper

330 100

332 96.3 77.4 116.2

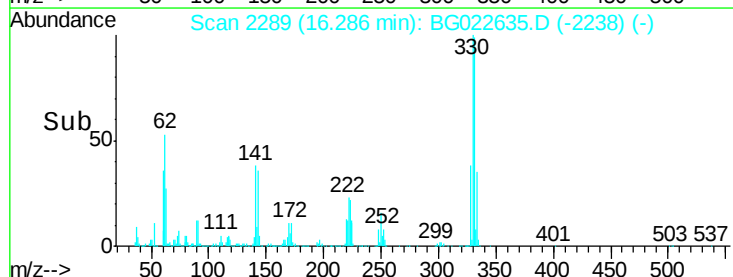
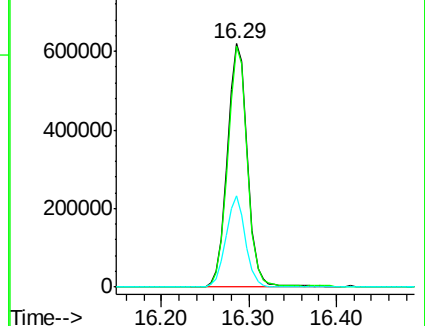
141 36.0 31.7 47.5

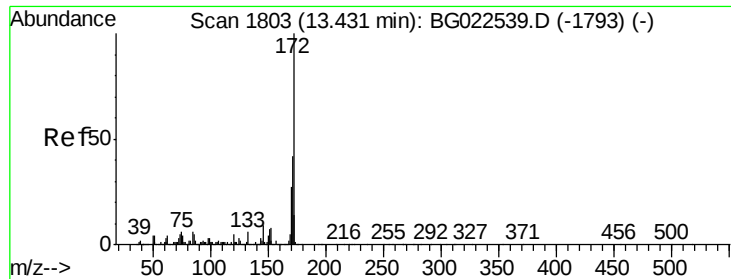


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

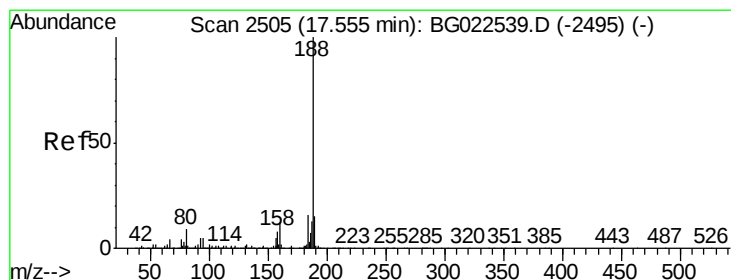
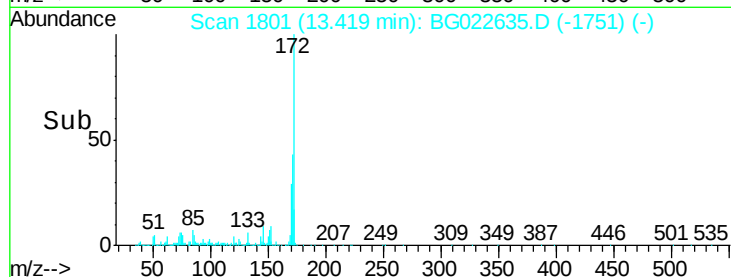
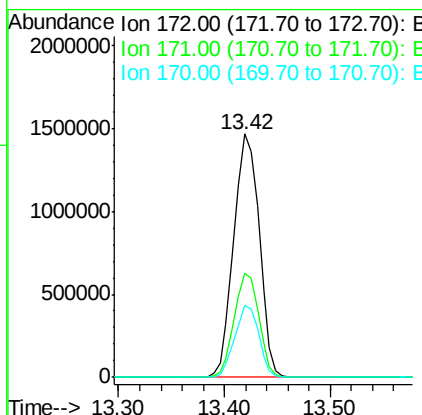
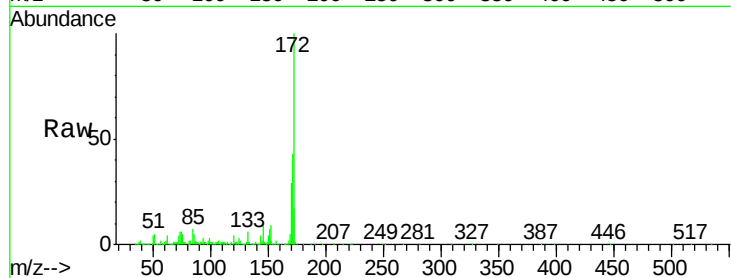




#44
2-Fluorobiphenyl
Concen: 77.14 ng
RT: 13.42 min Scan# 1801
Delta R.T. -0.01 min
Lab File: BG022635.D
Acq: 27 Jun 2016 9:42

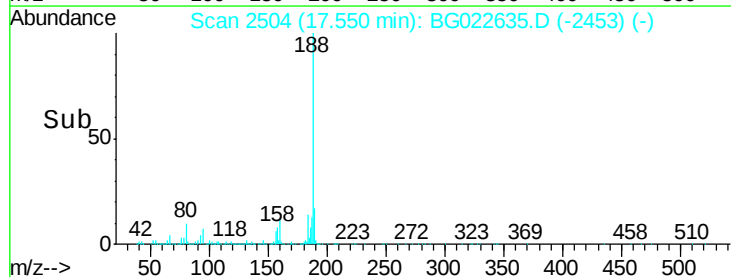
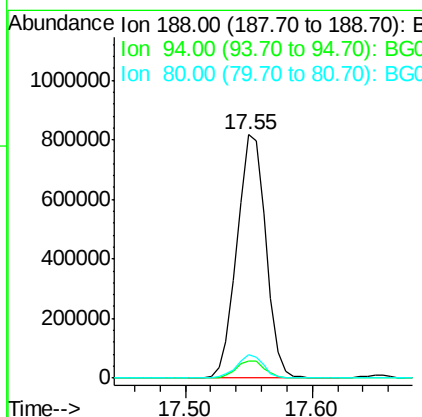
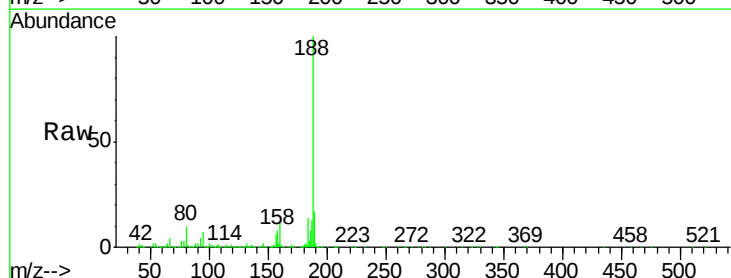
Instrument :
BNA_G
ClientSampleId :
TEC-COMP-B2A

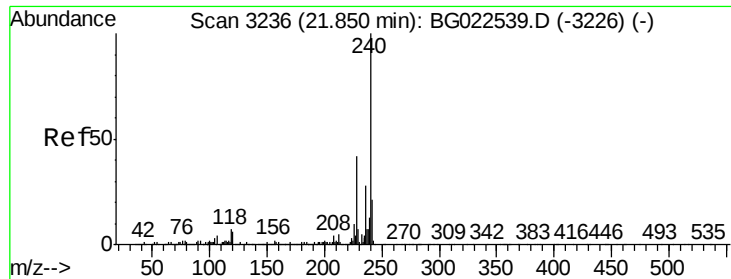
Tgt Ion:172 Resp: 2447734
Ion Ratio Lower Upper
172 100
171 42.9 31.6 47.4
170 29.4 21.3 31.9



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.55 min Scan# 2504
Delta R.T. -0.00 min
Lab File: BG022635.D
Acq: 27 Jun 2016 9:42

Tgt Ion:188 Resp: 1285006
Ion Ratio Lower Upper
188 100
94 7.1 5.2 7.8
80 9.8 7.2 10.8

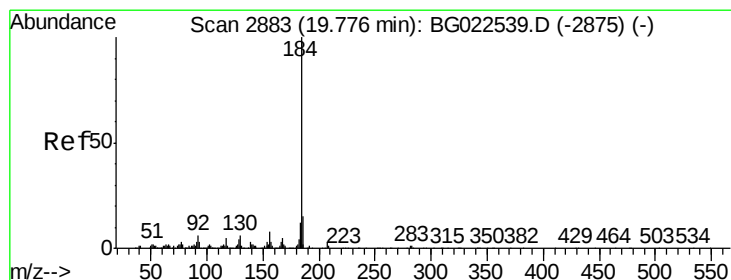
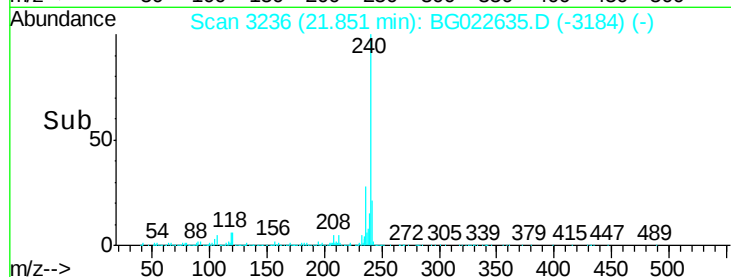
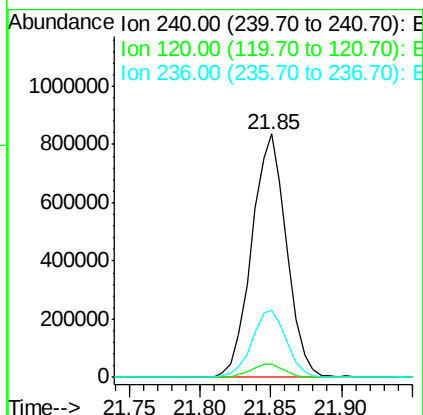
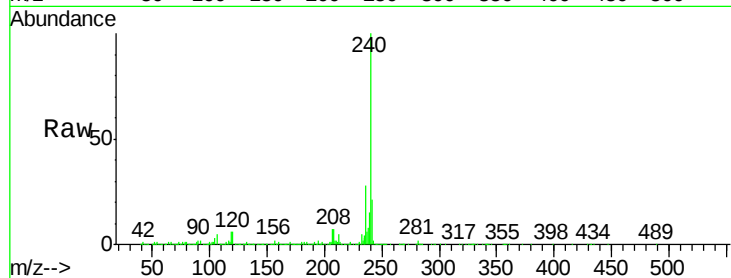




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.85 min Scan# 3236
Delta R.T. 0.01 min
Lab File: BG022635.D
Acq: 27 Jun 2016 9:42

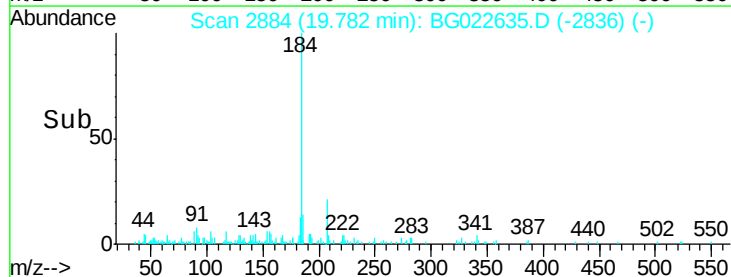
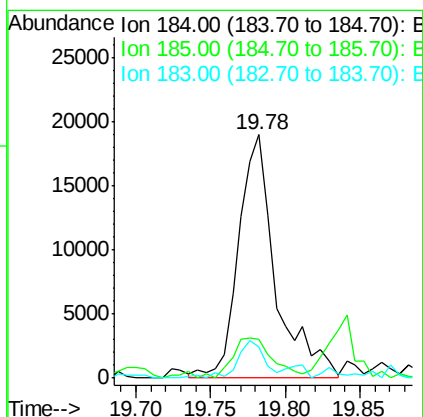
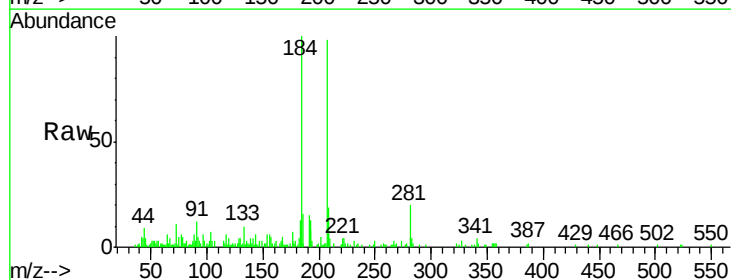
Instrument :
BNA_G
ClientSampleId :
TEC-COMP-B2A

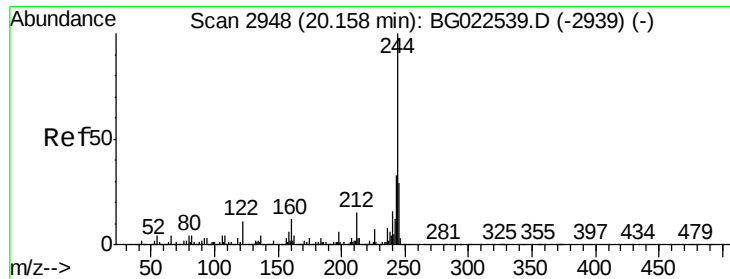
Tgt Ion:240 Resp: 1442928
Ion Ratio Lower Upper
240 100
120 5.6 4.1 6.1
236 27.7 21.1 31.7



#76
Benzidine
Concen: 2.14 ng
RT: 19.78 min Scan# 2884
Delta R.T. -0.02 min
Lab File: BG022635.D
Acq: 27 Jun 2016 9:42

Tgt Ion:184 Resp: 32879
Ion Ratio Lower Upper
184 100
185 16.1 12.6 19.0
183 12.7 10.7 16.1





#78

Terphenyl-d14

Concen: 64.58 ng

RT: 20.16 min Scan# 2948

Delta R.T. 0.01 min

Lab File: BG022635.D

Acq: 27 Jun 2016 9:42

Instrument :

BNA_G

ClientSampleId :

TEC-COMP-B2A

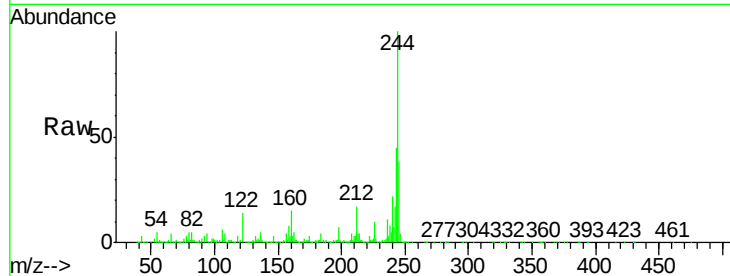
Tgt Ion:244 Resp: 3517110

Ion Ratio Lower Upper

244 100

212 17.4 10.8 16.2#

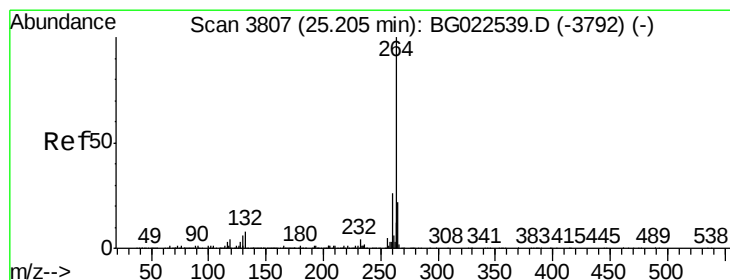
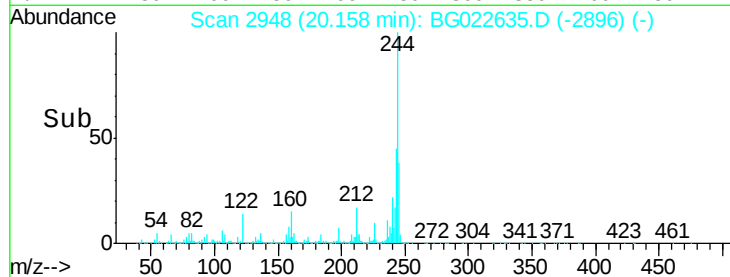
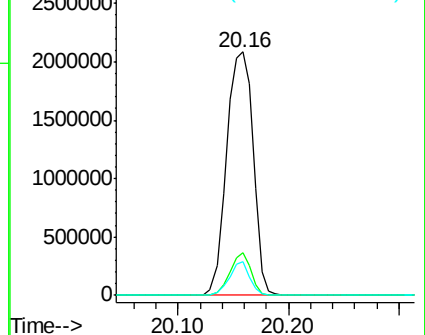
122 13.6 8.0 12.0#



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: 20.00 ng

RT: 25.21 min Scan# 3807

Delta R.T. -0.00 min

Lab File: BG022635.D

Acq: 27 Jun 2016 9:42

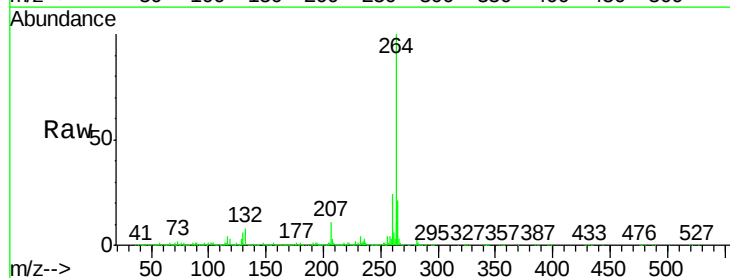
Tgt Ion:264 Resp: 1436577

Ion Ratio Lower Upper

264 100

260 24.4 18.4 27.6

265 21.3 18.9 28.3



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

