

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120916\
 Data File : BM008219.D
 Acq On : 09 Dec 2016 23:28
 Operator : UM/SJ
 Sample : H5863-19
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA7Z9

Quant Time: Dec 10 04:41:29 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 10 04:37:00 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	603	0.40	ng/ul	-0.03
2) Naphthalene-d8	10.46	136	1775	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.31	164	1226	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.07	188	1945	0.40	ng/ul	-0.02
16) Chrysene-d12	21.27	240	1821	0.40	ng/ul	-0.01
20) Perylene-d12	23.51	264	1787	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.05	152	671	0.27	ng/ul	-0.05
14) Fluoranthene-d10	19.11	212	1647	0.30	ng/ul	-0.02

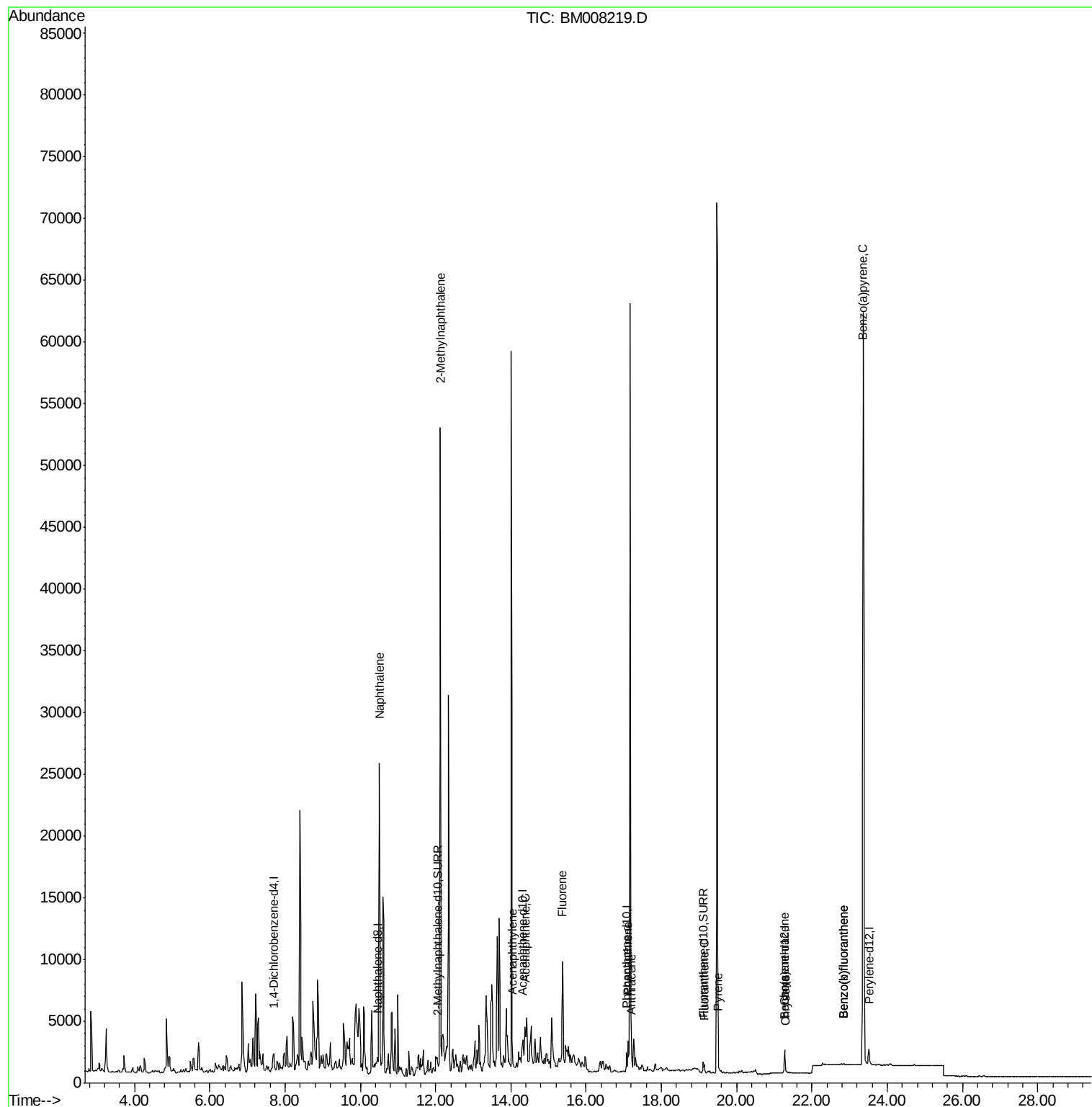
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.51	128	36443	7.34	ng/ul	94
5) 2-Methylnaphthalene	12.12	142	35742	11.17	ng/ul	99
7) Acenaphthylene	14.04	152	1026	0.18	ng/ul#	7
8) Acenaphthene	14.38	153	2036	0.48	ng/ul#	91
9) Fluorene	15.38	166	5634	1.16	ng/ul	88
12) Phenanthrene	17.11	178	3298	0.54	ng/ul#	92
13) Anthracene	17.21	178	806	0.14	ng/ul#	63
15) Fluoranthene	19.14	202	1049	0.13	ng/ul#	57
17) Pyrene	19.51	202	977	0.15	ng/ul#	68
18) Benzo(a)anthracene	21.26	228	221	0.04	ng/ul#	1
19) Chrysene	21.30	228	169	0.02	ng/ul#	1
21) Benzo(b)fluoranthene	22.84	252	172	0.02	ng/ul#	1
22) Benzo(k)fluoranthene	22.84	252	172	0.02	ng/ul#	1
23) Benzo(a)pyrene	23.36	252	465	0.07	ng/ul#	2

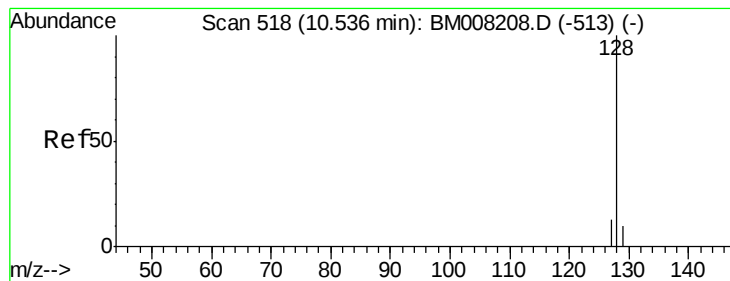
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Naphthalene

Concen: 7.34 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.02 min

Lab File: BM008219.D

Acq: 09 Dec 2016 23:28

Instrument :

BNA_M

ClientSampleId :

DA7Z9

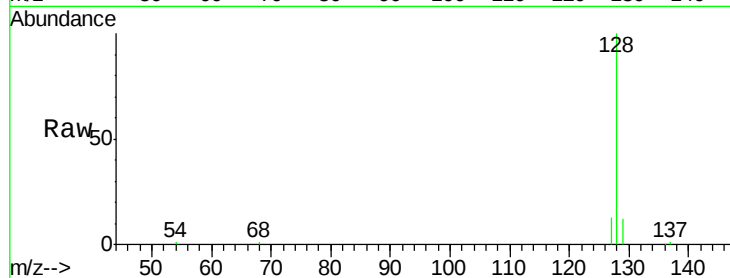
Tgt Ion:128 Resp: 36443

Ion Ratio Lower Upper

128 100

129 12.2 11.3 16.9

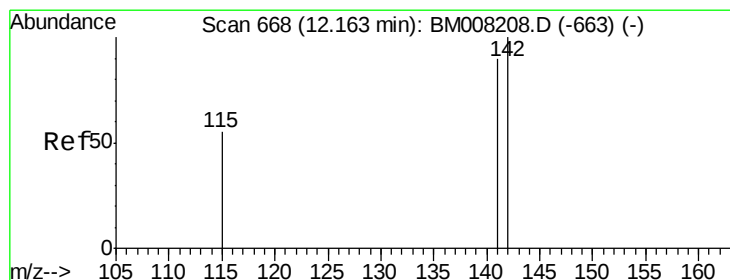
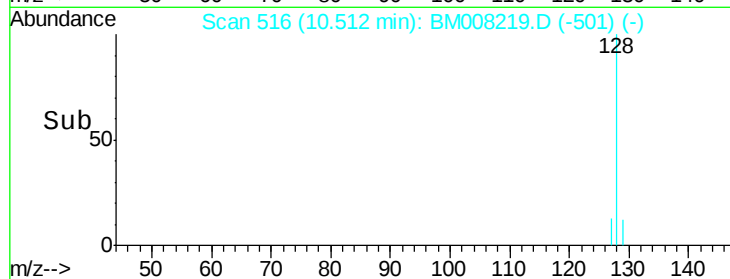
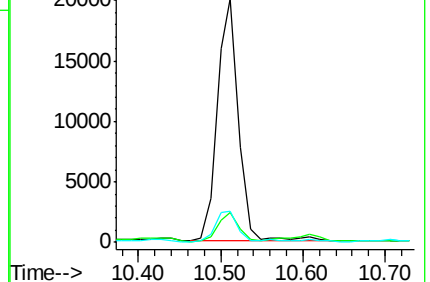
127 12.9 12.8 19.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 11.17 ng/ul

RT: 12.12 min Scan# 664

Delta R.T. -0.04 min

Lab File: BM008219.D

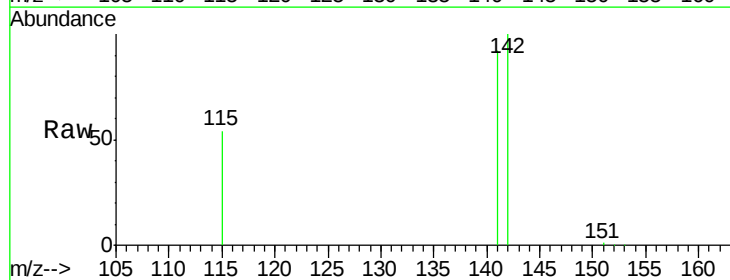
Acq: 09 Dec 2016 23:28

Tgt Ion:142 Resp: 35742

Ion Ratio Lower Upper

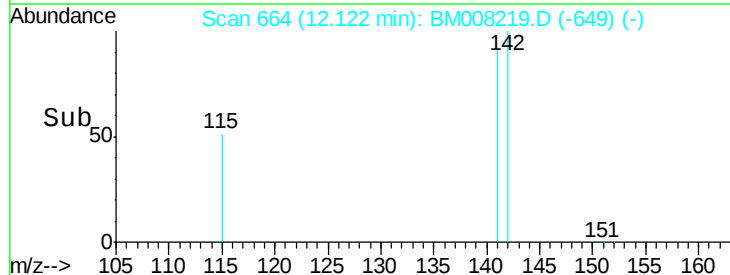
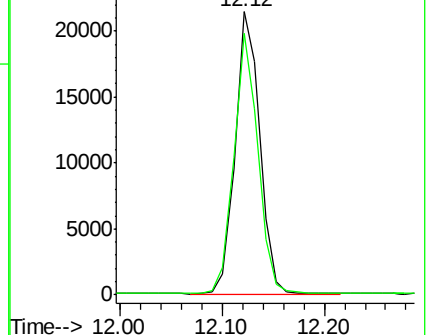
142 100

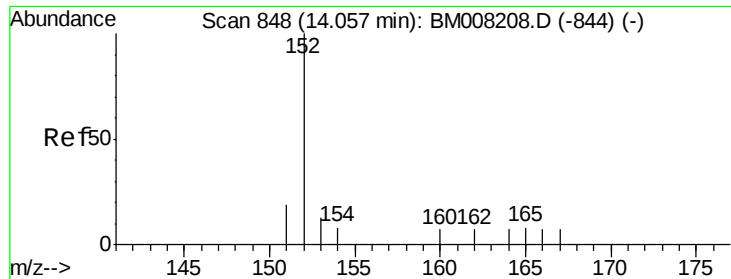
141 89.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.18 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.02 min

Lab File: BM008219.D

Acq: 09 Dec 2016 23:28

Instrument :

BNA_M

ClientSampleId :

DA7Z9

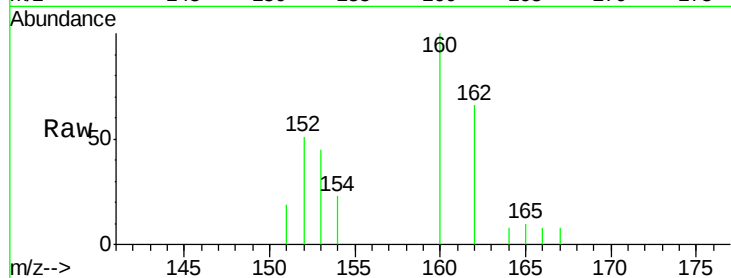
Tgt Ion:152 Resp: 1026

Ion Ratio Lower Upper

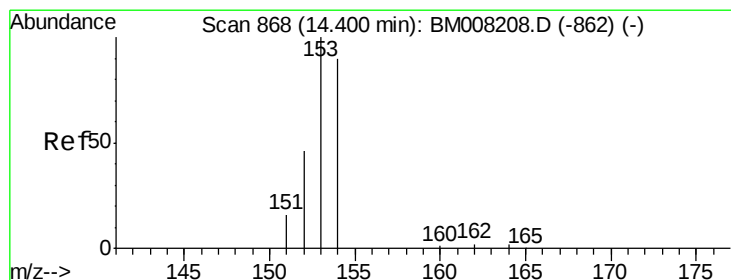
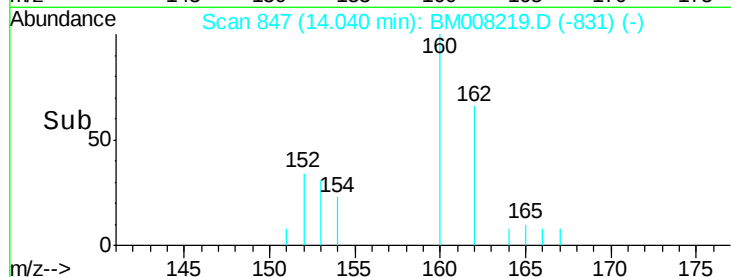
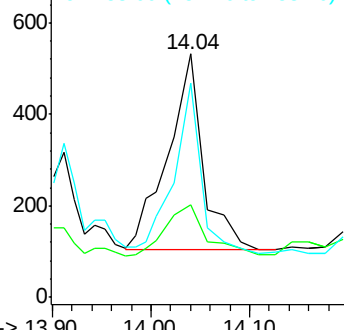
152 100

151 38.2 17.1 25.7#

153 87.8 12.8 19.2#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#8

Acenaphthene

Concen: 0.48 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. -0.02 min

Lab File: BM008219.D

Acq: 09 Dec 2016 23:28

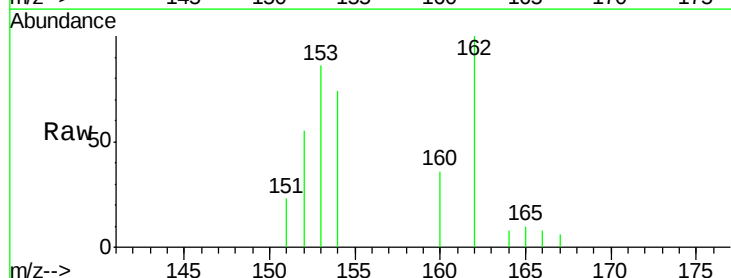
Tgt Ion:153 Resp: 2036

Ion Ratio Lower Upper

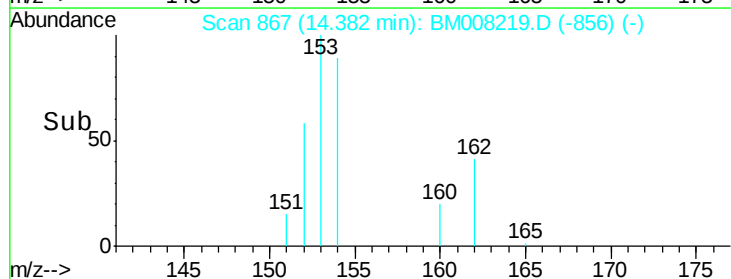
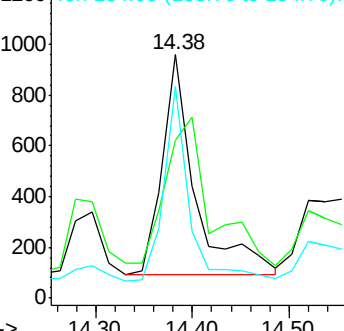
153 100

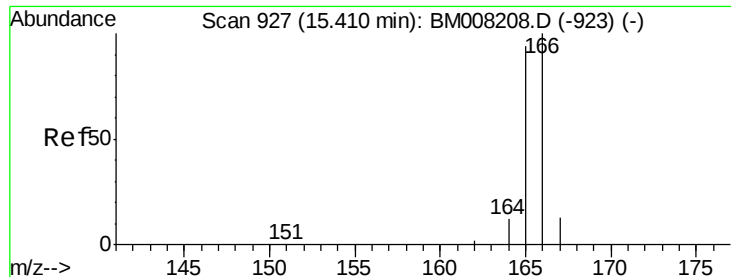
152 64.7 40.3 60.5#

154 86.8 71.4 107.2



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E

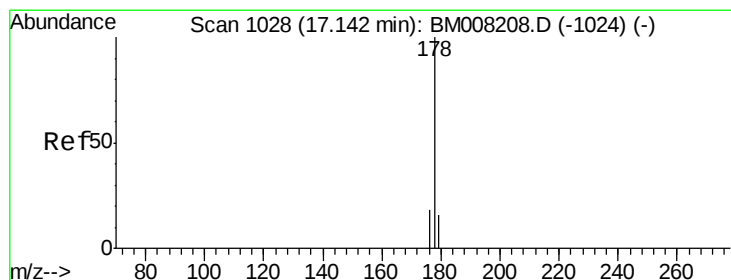
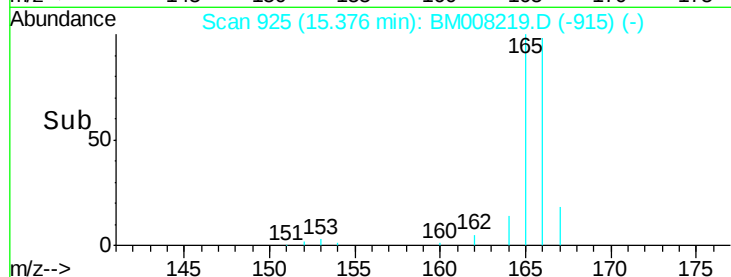
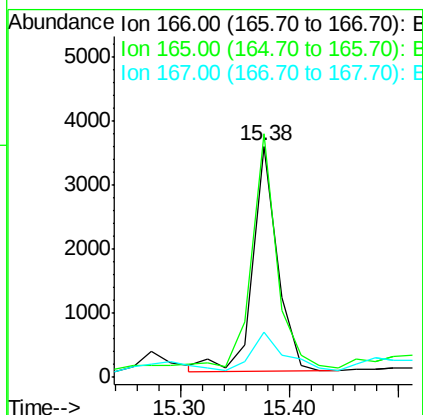
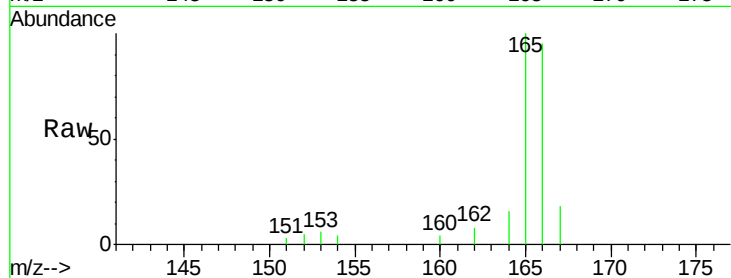




#9
Fluorene
 Concen: 1.16 ng/ul
 RT: 15.38 min Scan# 925
 Delta R.T. -0.03 min
 Lab File: BM008219.D
 Acq: 09 Dec 2016 23:28

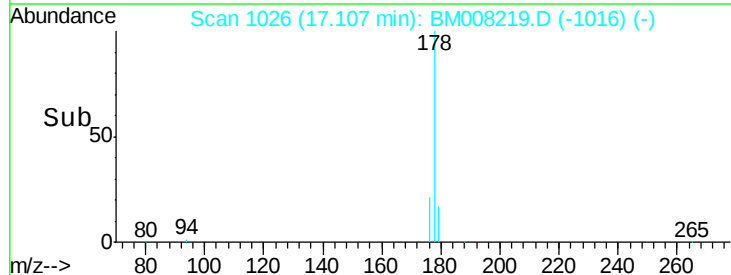
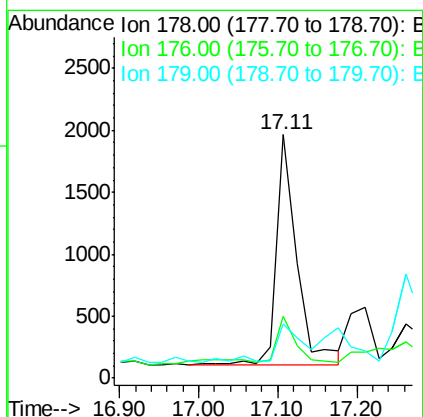
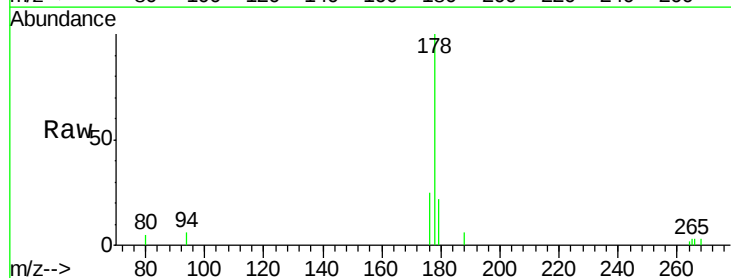
Instrument :
 BNA_M
 ClientSampleId :
 DA7Z9

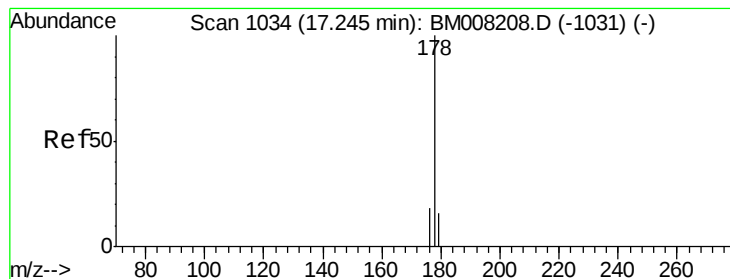
Tgt Ion:166 Resp: 5634
 Ion Ratio Lower Upper
 166 100
 165 105.2 73.4 110.2
 167 19.5 14.6 22.0



#12
Phenanthrene
 Concen: 0.54 ng/ul
 RT: 17.11 min Scan# 1026
 Delta R.T. -0.03 min
 Lab File: BM008219.D
 Acq: 09 Dec 2016 23:28

Tgt Ion:178 Resp: 3298
 Ion Ratio Lower Upper
 178 100
 176 25.3 18.4 27.6
 179 22.3 13.6 20.4#





#13

Anthracene

Concen: 0.14 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. -0.03 min

Lab File: BM008219.D

Acq: 09 Dec 2016 23:28

Instrument :

BNA_M

ClientSampleId :

DA7Z9

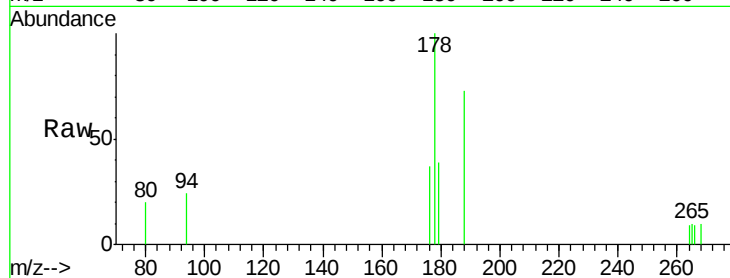
Tgt Ion:178 Resp: 806

Ion Ratio Lower Upper

178 100

176 36.8 18.1 27.1#

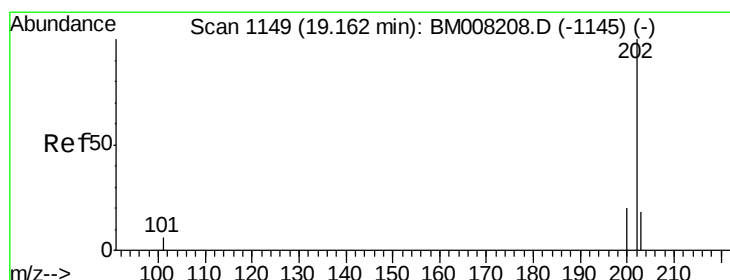
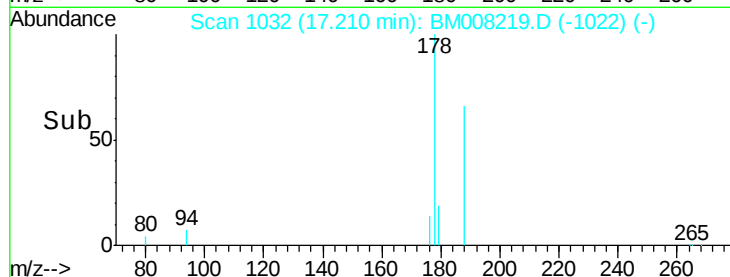
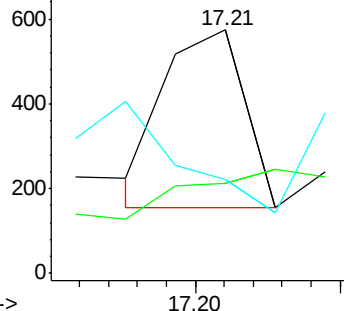
179 38.9 14.7 22.1#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#15

Fluoranthene

Concen: 0.13 ng/ul

RT: 19.14 min Scan# 1148

Delta R.T. -0.02 min

Lab File: BM008219.D

Acq: 09 Dec 2016 23:28

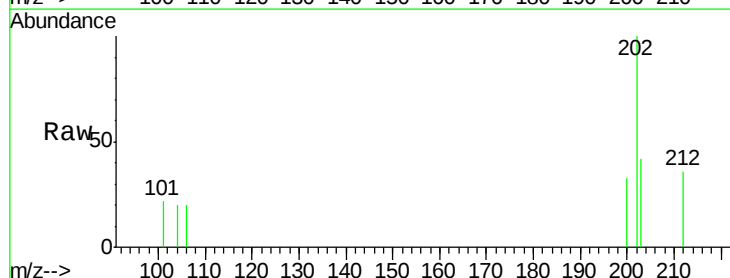
Tgt Ion:202 Resp: 1049

Ion Ratio Lower Upper

202 100

101 22.1 0.0 30.3

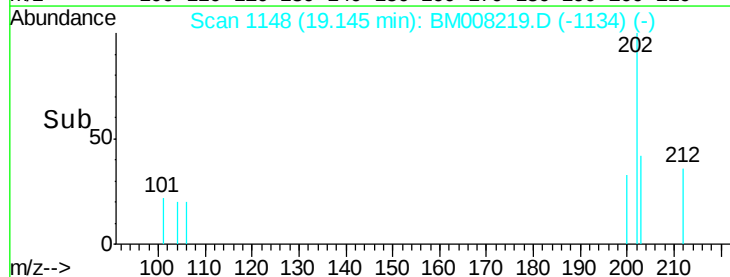
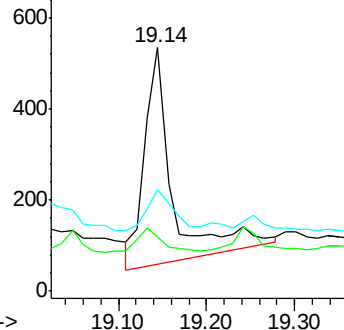
203 41.9 0.0 39.5#

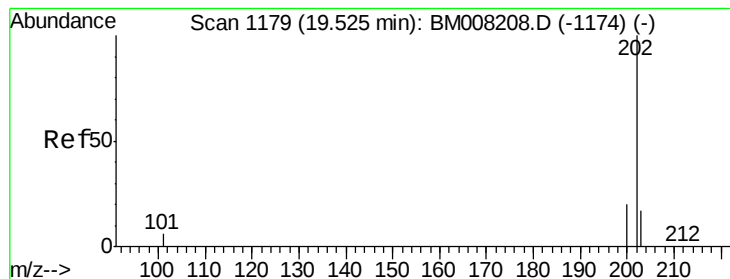


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#17

Pyrene

Concen: 0.15 ng/ul

RT: 19.51 min Scan# 1178

Delta R.T. -0.02 min

Lab File: BM008219.D

Acq: 09 Dec 2016 23:28

Instrument :

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ClientSampleId :

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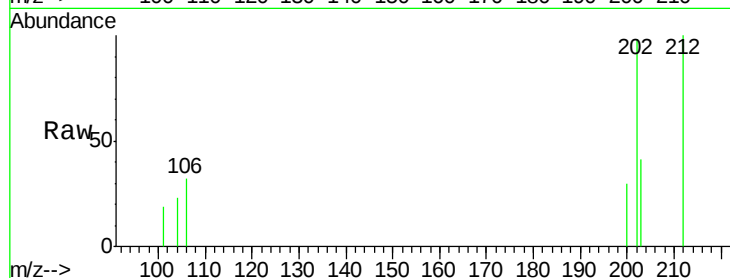
Tgt Ion:202 Resp: 977

Ion Ratio Lower Upper

202 100

200 31.0 18.2 27.4#

203 42.3 15.6 23.4#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

19.51

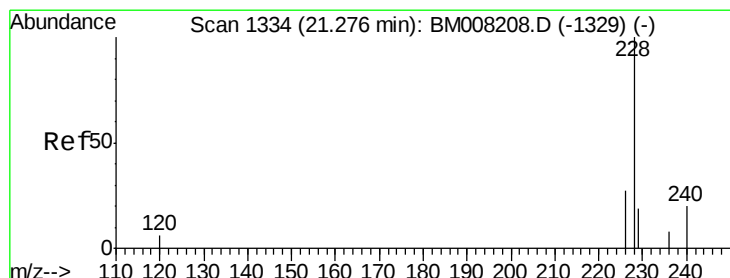
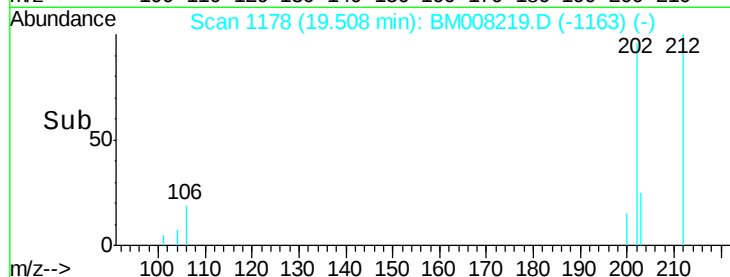
600

400

200

0

Time--> 19.40 19.45 19.50 19.55



#18

Benzo(a)anthracene

Concen: 0.04 ng/ul

RT: 21.26 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BM008219.D

Acq: 09 Dec 2016 23:28

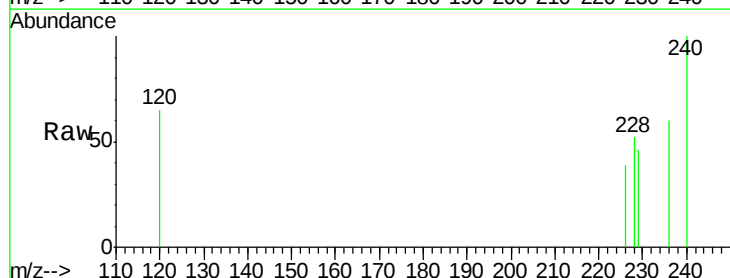
Tgt Ion:228 Resp: 221

Ion Ratio Lower Upper

228 100

226 74.8 22.8 34.2#

229 88.5 17.0 25.6#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

21.26

300

250

200

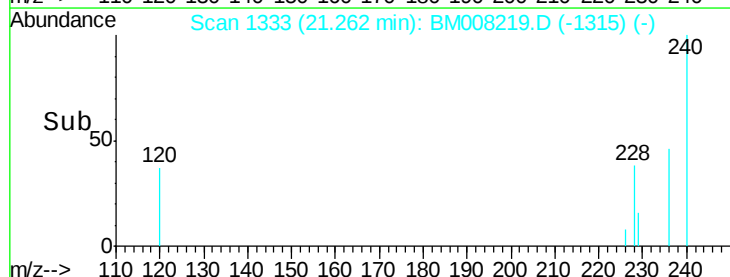
150

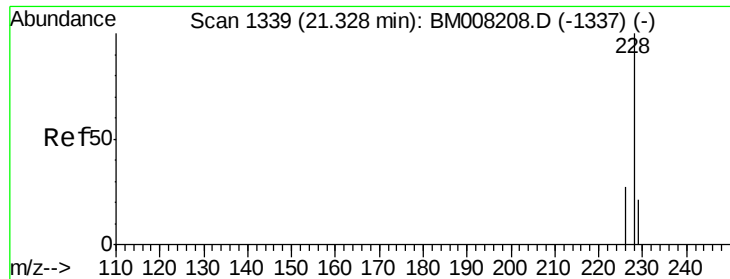
100

50

0

Time--> 21.15 21.20 21.25 21.30





#19

Chrysene

Concen: 0.02 ng/ul

RT: 21.30 min Scan# 1337

Delta R.T. -0.02 min

Lab File: BM008219.D

Acq: 09 Dec 2016 23:28

Instrument :

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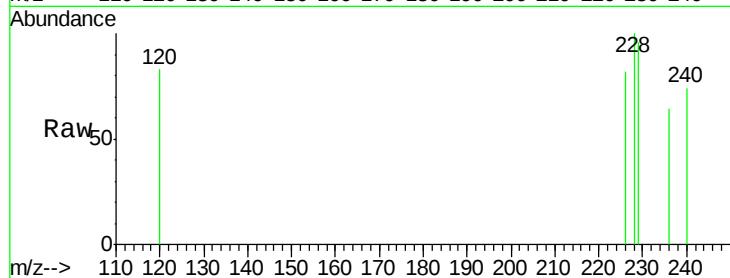
Tgt Ion:228 Resp: 169

Ion Ratio Lower Upper

228 100

226 81.6 23.4 35.0#

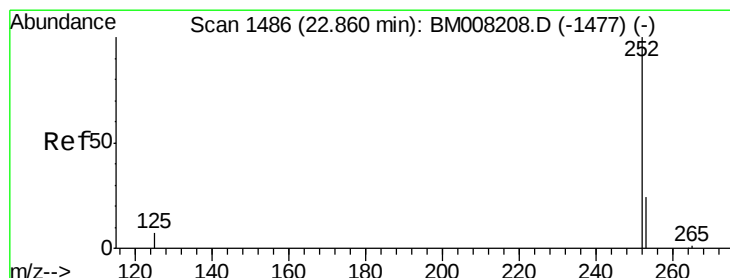
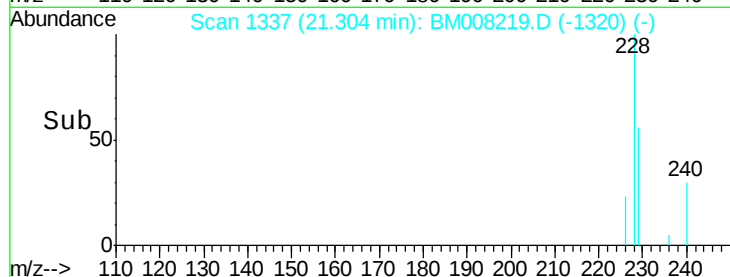
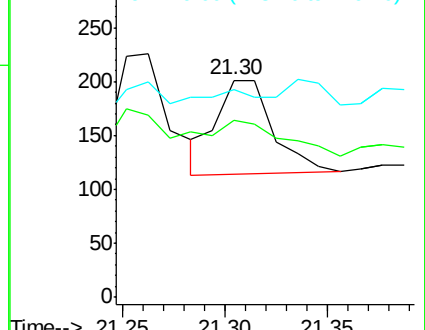
229 96.0 17.7 26.5#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#21

Benzo(b)fluoranthene

Concen: 0.02 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. -0.02 min

Lab File: BM008219.D

Acq: 09 Dec 2016 23:28

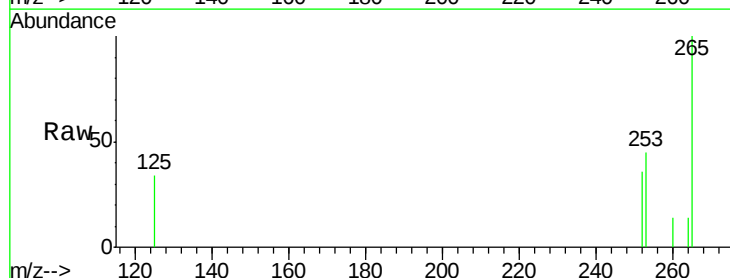
Tgt Ion:252 Resp: 172

Ion Ratio Lower Upper

252 100

253 124.3 0.0 64.2#

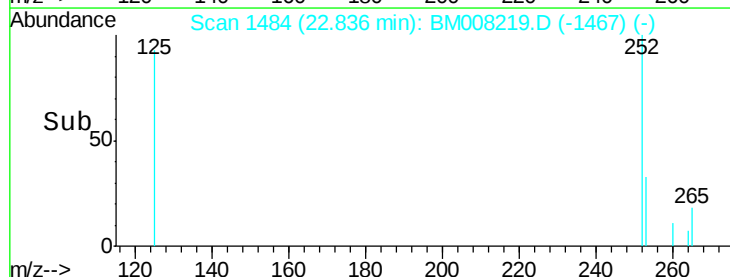
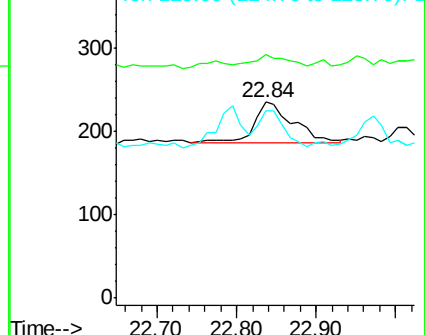
125 95.3 0.0 35.0#

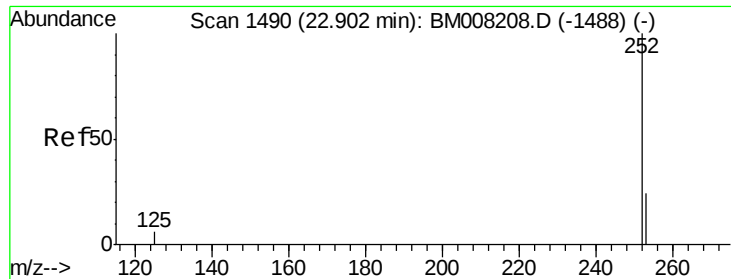


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.02 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. -0.07 min

Lab File: BM008219.D

Acq: 09 Dec 2016 23:28

Instrument :

BNA_M

ClientSampleId :

DA7Z9

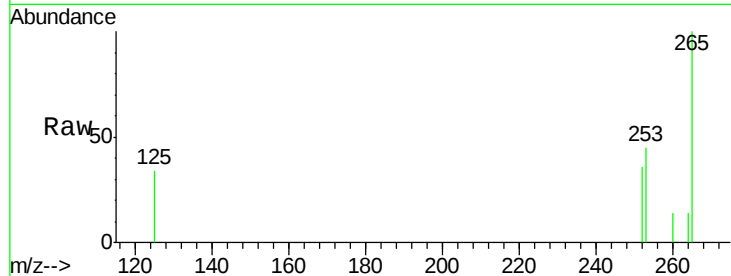
Tgt Ion: 252 Resp: 172

Ion Ratio Lower Upper

252 100

253 124.3 24.5 36.7#

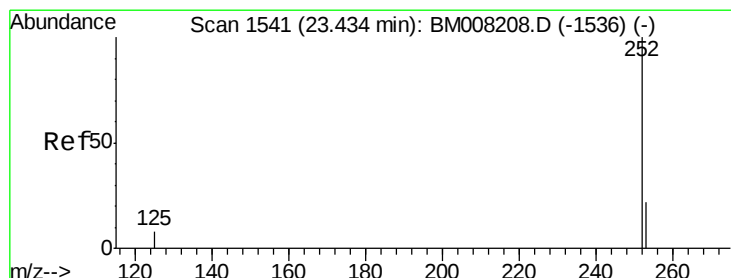
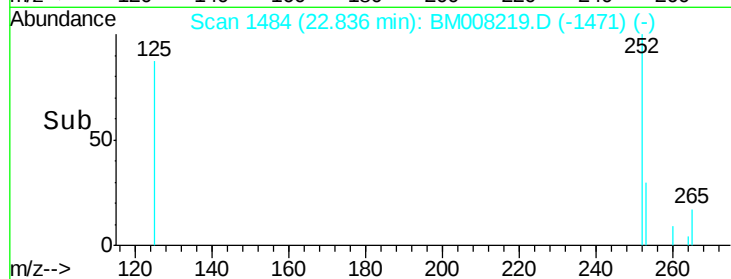
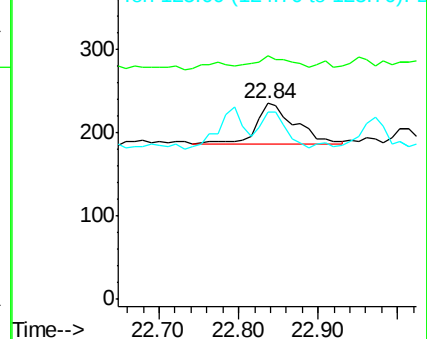
125 95.3 13.7 20.5#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#23

Benzo(a)pyrene

Concen: 0.07 ng/ul

RT: 23.36 min Scan# 1534

Delta R.T. -0.08 min

Lab File: BM008219.D

Acq: 09 Dec 2016 23:28

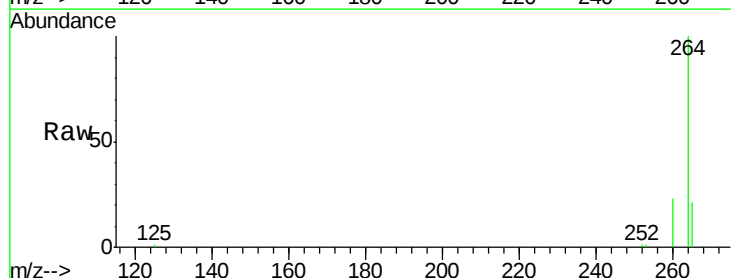
Tgt Ion: 252 Resp: 465

Ion Ratio Lower Upper

252 100

253 89.4 28.5 42.7#

125 74.5 18.1 27.1#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

