

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122116\
 Data File : BM008527.D
 Acq On : 21 Dec 2016 21:12
 Operator : UM/SJ
 Sample : H6040-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA8X0

Quant Time: Dec 22 00:29:13 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 22 00:24:45 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	46	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.42	136	1621	0.40	ng/ul	-0.08
6) Acenaphthene-d10	14.16	164	500	0.40	ng/ul	-0.17
10) Phenanthrene-d10	16.76	188	570	0.40	ng/ul	-0.33
16) Chrysene-d12	20.84	240	114	0.40	ng/ul	-0.45
20) Perylene-d12	23.01	264	15	0.40	ng/ul	-0.50

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.01	152	599	0.24	ng/ul	-0.10
14) Fluoranthene-d10	0.00	212	0	0.00	ng/ul	

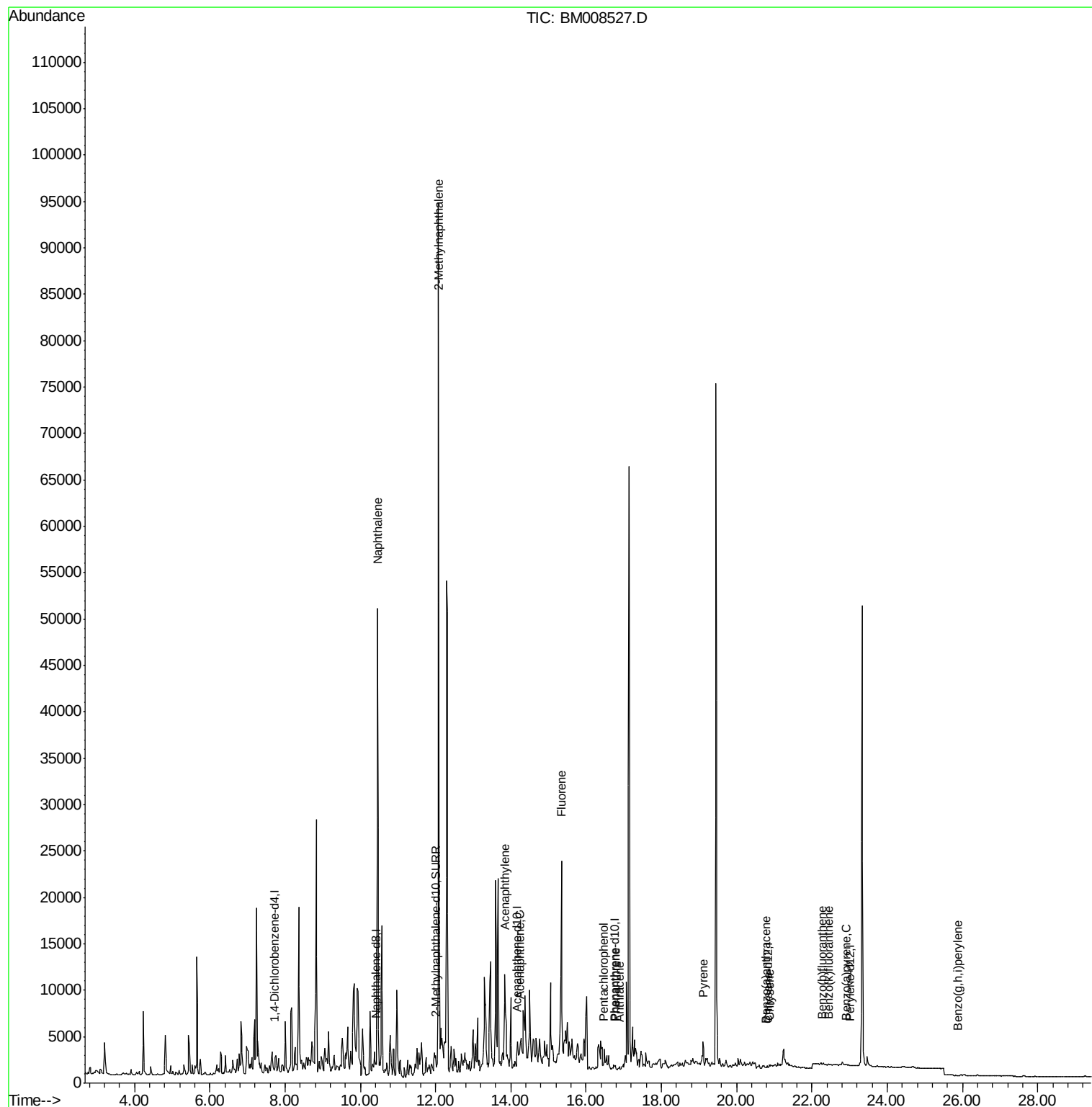
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.46	128	67308	14.76	ng/ul	94
5) 2-Methylnaphthalene	12.08	142	61777	20.13	ng/ul	100
7) Acenaphthylene	13.84	152	1749	0.77	ng/ul#	1
8) Acenaphthene	14.25	153	999	0.59	ng/ul#	19
9) Fluorene	15.34	166	14715	7.58	ng/ul	90
11) Pentachlorophenol	16.46	266	4	0.02	ng/ul#	20
12) Phenanthrene	16.78	178	191	0.11	ng/ul#	1
13) Anthracene	16.88	178	217	0.13	ng/ul#	1
17) Pyrene	19.11	202	3137	7.12	ng/ul#	80
18) Benzo(a)anthracene	20.78	228	84	0.22	ng/ul#	1
19) Chrysene	20.87	228	51	0.12	ng/ul#	1
21) Benzo(b)fluoranthene	22.28	252	90	1.52	ng/ul#	1
22) Benzo(k)fluoranthene	22.44	252	63	1.09	ng/ul#	1
23) Benzo(a)pyrene	22.92	252	31	0.57	ng/ul#	1
26) Benzo(g,h,i)perylene	25.88	276	19	0.34	ng/ul#	1

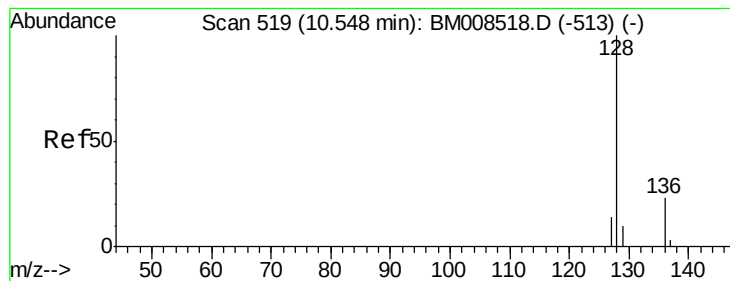
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 14.76 ng/ul

RT: 10.46 min Scan# 512

Delta R.T. -0.08 min

Lab File: BM008527.D

Acq: 21 Dec 2016 21:12

Instrument :

BNA_M

ClientSampleId :

DA8X0

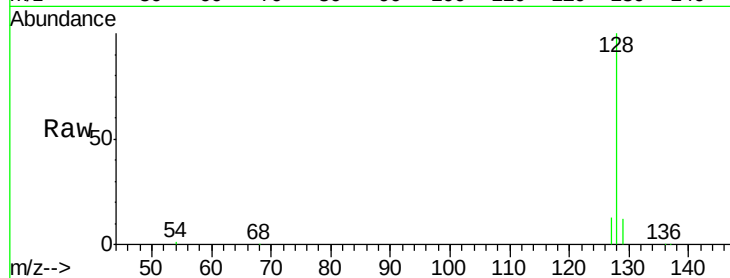
Tgt Ion:128 Resp: 67308

Ion Ratio Lower Upper

128 100

129 12.0 11.3 16.9

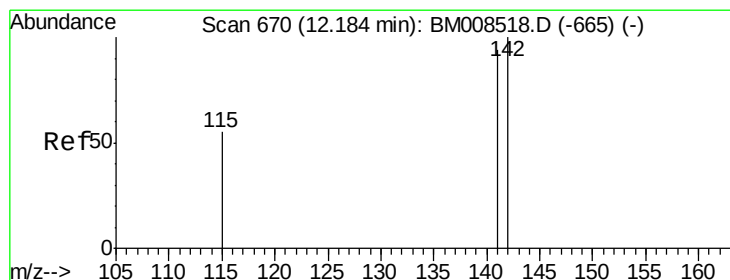
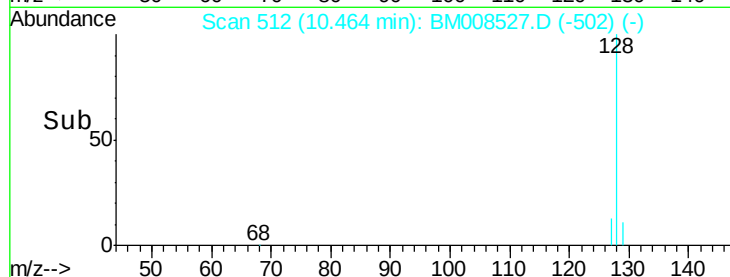
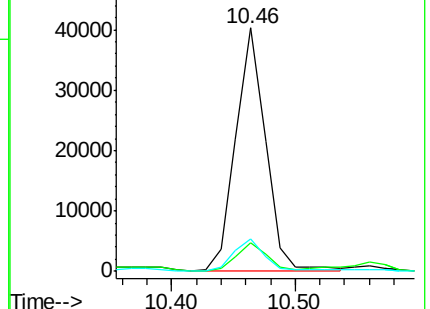
127 13.4 12.8 19.2



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: 20.13 ng/ul

RT: 12.08 min Scan# 660

Delta R.T. -0.10 min

Lab File: BM008527.D

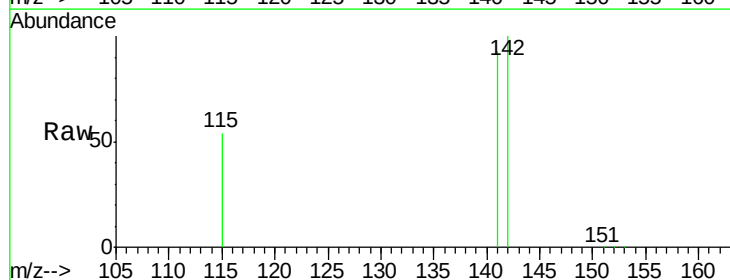
Acq: 21 Dec 2016 21:12

Tgt Ion:142 Resp: 61777

Ion Ratio Lower Upper

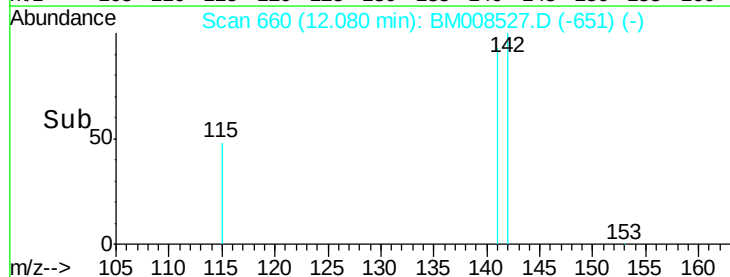
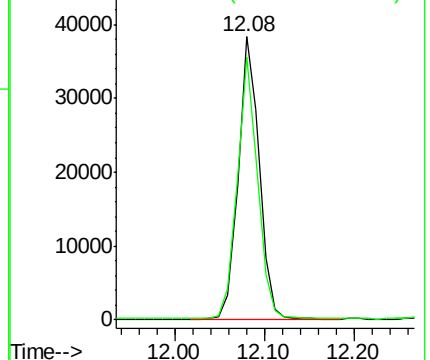
142 100

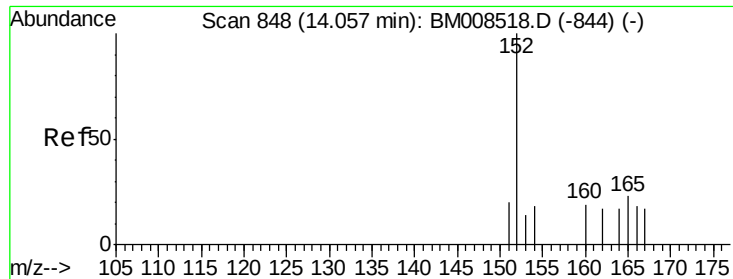
141 90.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.77 ng/ul

RT: 13.84 min Scan# 829

Delta R.T. -0.22 min

Lab File: BM008527.D

Acq: 21 Dec 2016 21:12

Instrument :

BNA_M

ClientSampleId :

DA8X0

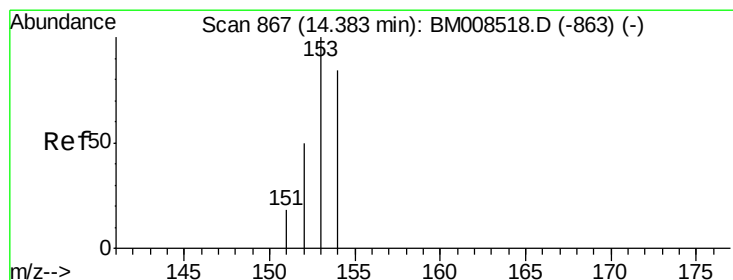
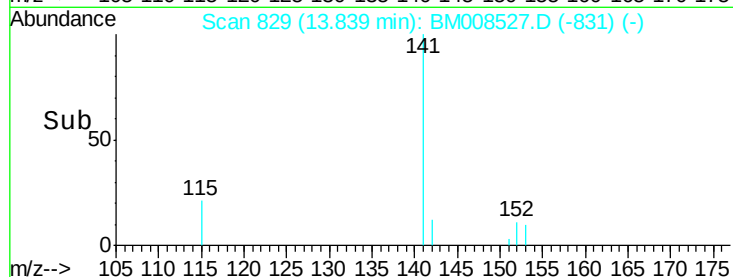
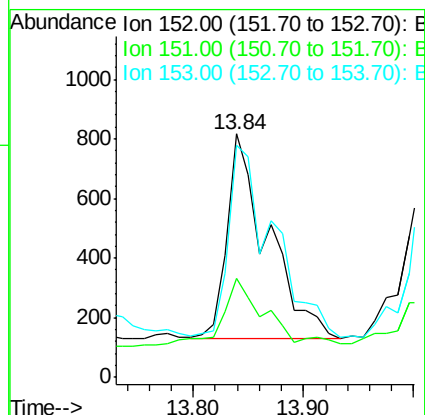
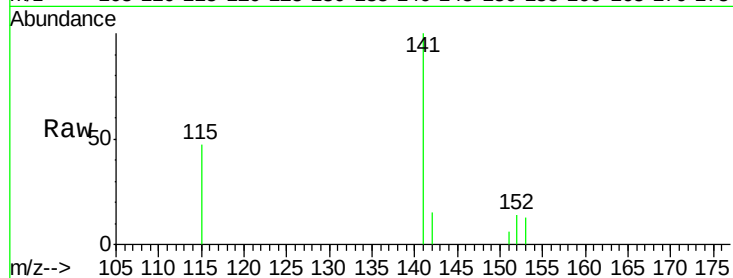
Tgt Ion:152 Resp: 1749

Ion Ratio Lower Upper

152 100

151 40.5 17.1 25.7#

153 95.2 12.8 19.2#



#8

Acenaphthene

Concen: 0.59 ng/ul

RT: 14.25 min Scan# 859

Delta R.T. -0.14 min

Lab File: BM008527.D

Acq: 21 Dec 2016 21:12

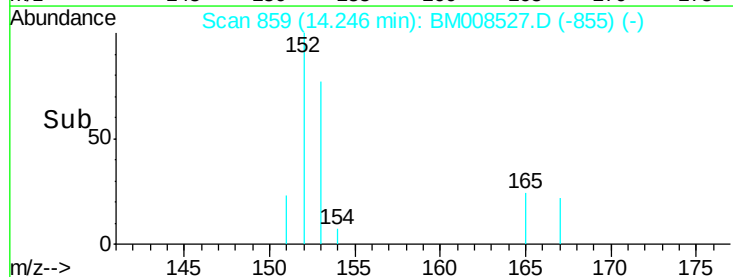
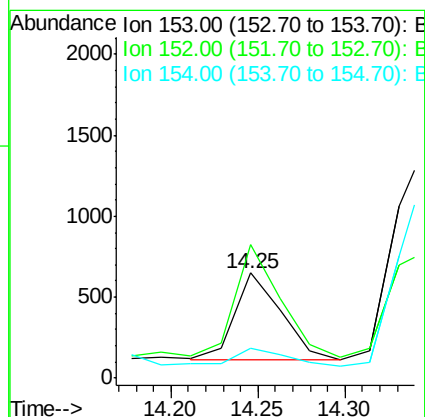
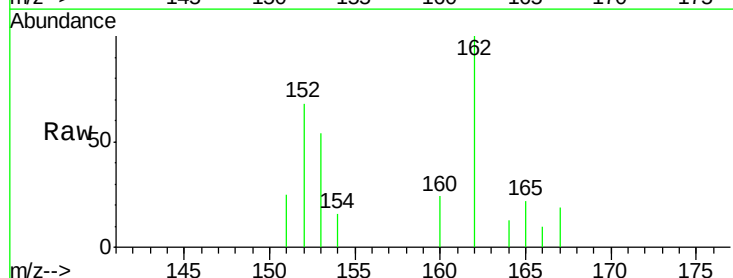
Tgt Ion:153 Resp: 999

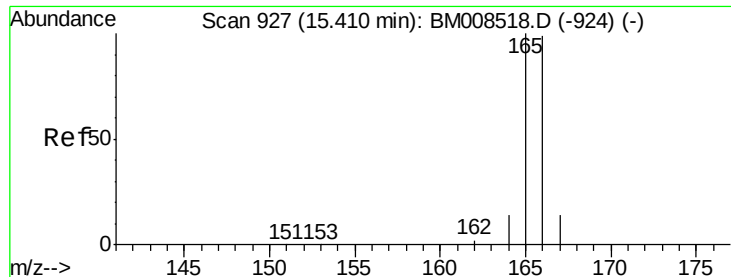
Ion Ratio Lower Upper

153 100

152 127.5 40.3 60.5#

154 29.0 71.4 107.2#

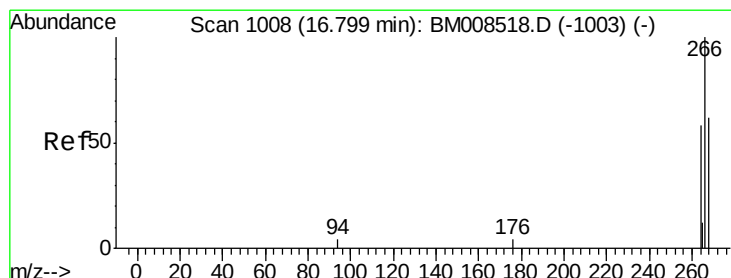
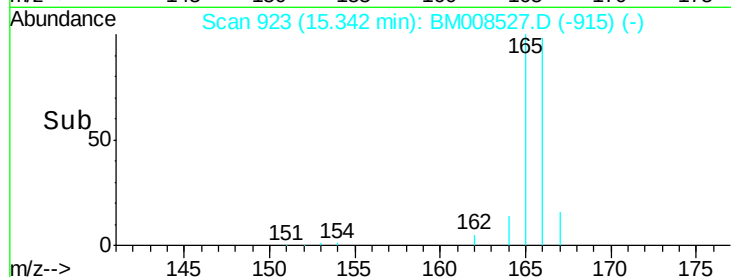
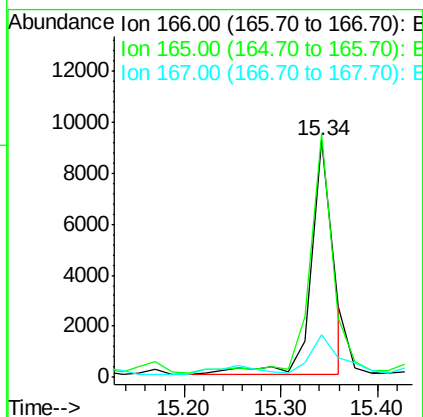
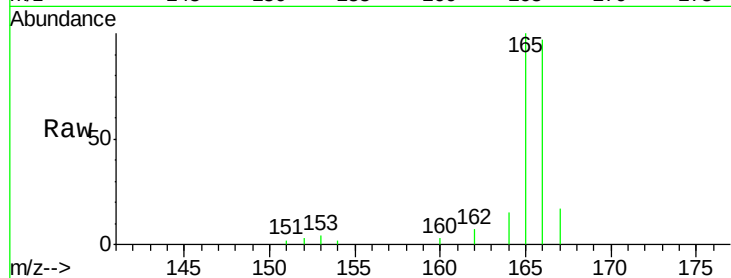




#9
Fluorene
 Concen: 7.58 ng/ul
 RT: 15.34 min Scan# 923
 Delta R.T. -0.07 min
 Lab File: BM008527.D
 Acq: 21 Dec 2016 21:12

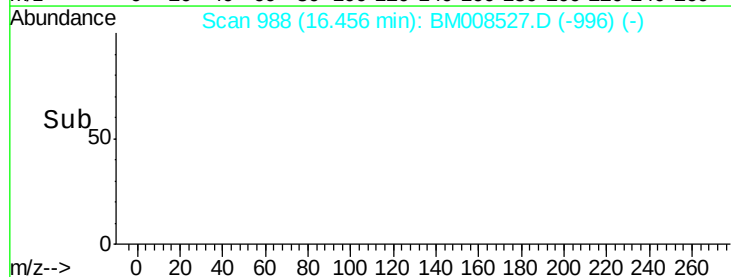
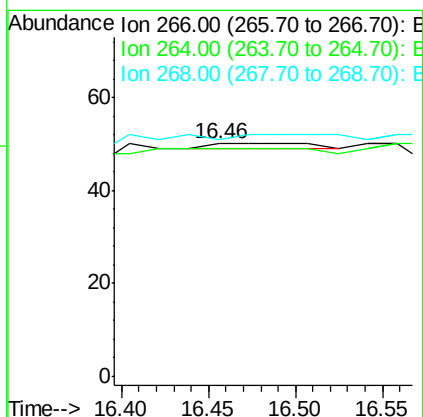
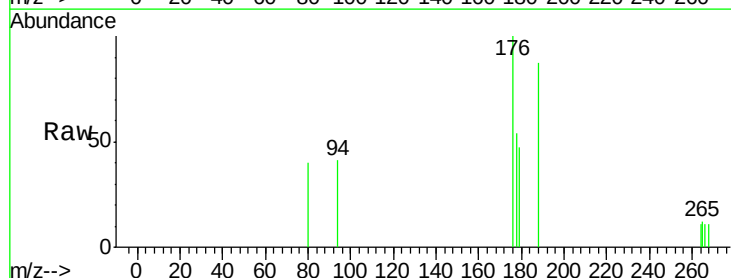
Instrument :
 BNA_M
 ClientSampleId :
 DA8X0

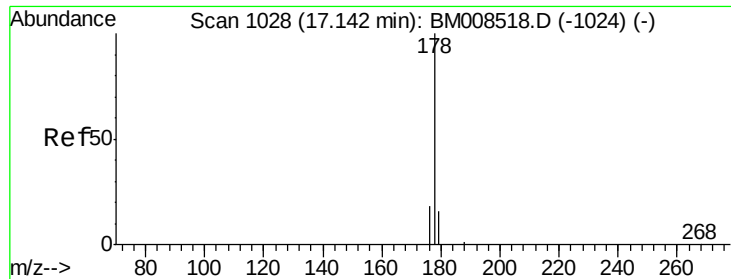
Tgt Ion:166 Resp: 14715
 Ion Ratio Lower Upper
 166 100
 165 102.7 73.4 110.2
 167 17.8 14.6 22.0



#11
Pentachlorophenol
 Concen: 0.02 ng/ul
 RT: 16.46 min Scan# 988
 Delta R.T. -0.34 min
 Lab File: BM008527.D
 Acq: 21 Dec 2016 21:12

Tgt Ion:266 Resp: 4
 Ion Ratio Lower Upper
 266 100
 264 0.0 47.9 71.9#
 268 125.0 49.8 74.8#





#12

Phenanthrene

Concen: 0.11 ng/ul

RT: 16.78 min Scan# 1007

Delta R.T. -0.36 min

Lab File: BM008527.D

Acq: 21 Dec 2016 21:12

Instrument :

BNA_M

ClientSampleId :

DA8X0

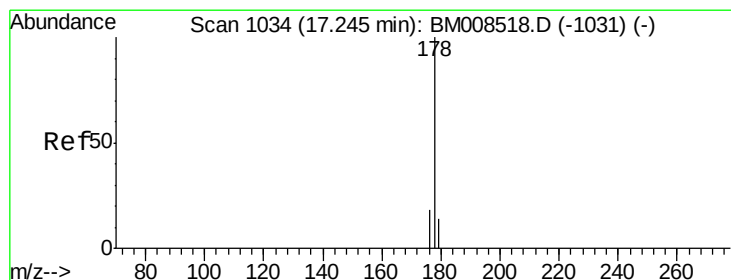
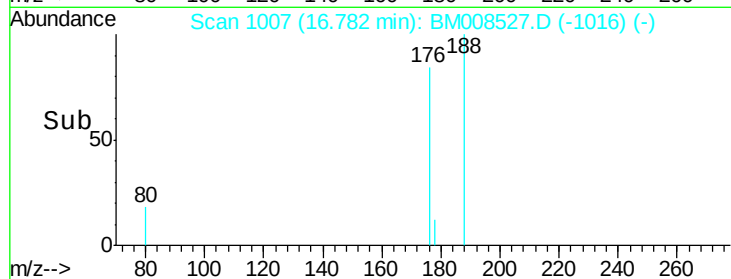
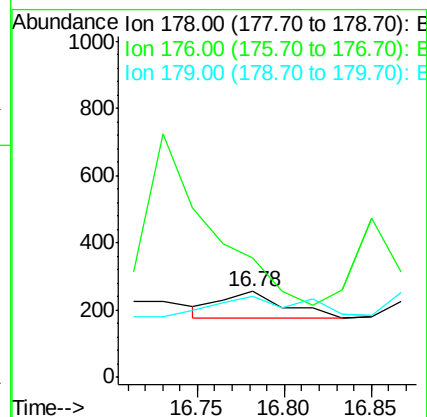
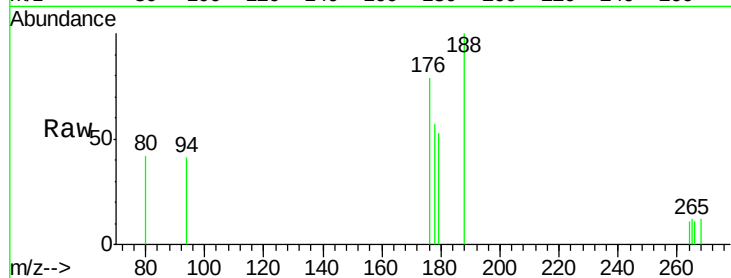
Tgt Ion:178 Resp: 191

Ion Ratio Lower Upper

178 100

176 138.8 18.4 27.6#

179 94.1 13.6 20.4#



#13

Anthracene

Concen: 0.13 ng/ul

RT: 16.88 min Scan# 1013

Delta R.T. -0.36 min

Lab File: BM008527.D

Acq: 21 Dec 2016 21:12

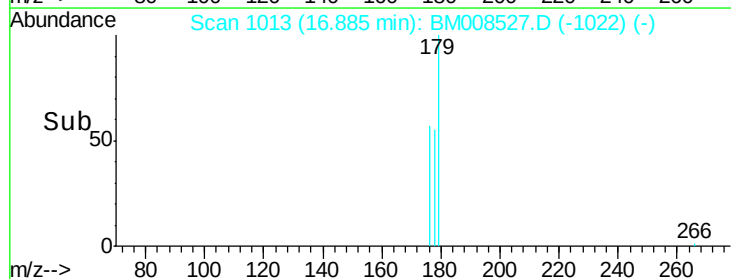
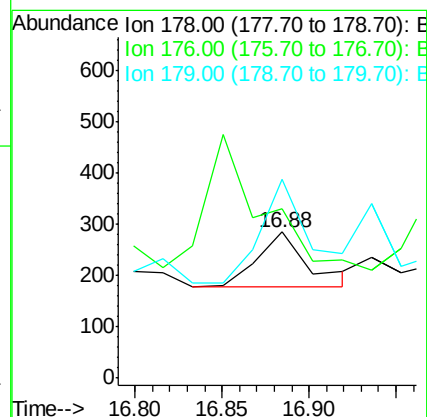
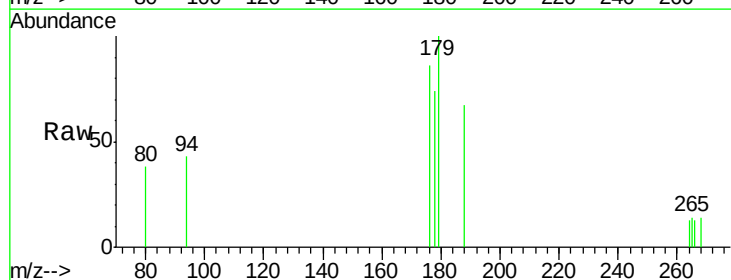
Tgt Ion:178 Resp: 217

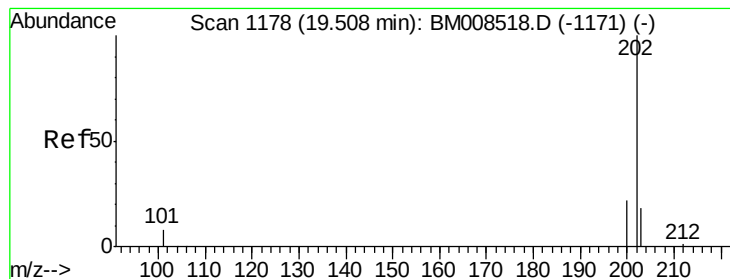
Ion Ratio Lower Upper

178 100

176 116.1 18.1 27.1#

179 135.8 14.7 22.1#





#17

Pyrene

Concen: 7.12 ng/ul

RT: 19.11 min Scan# 1145

Delta R.T. -0.40 min

Lab File: BM008527.D

Acq: 21 Dec 2016 21:12

Instrument :

BNA_M

ClientSampleId :

DA8X0

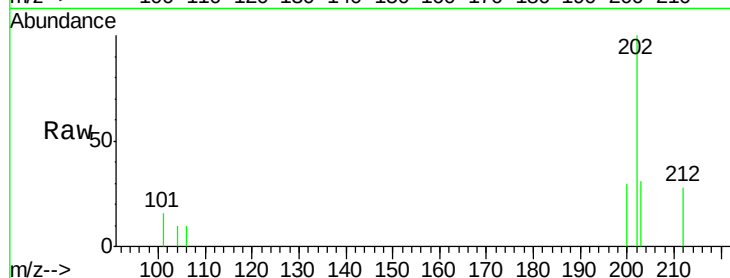
Tgt Ion:202 Resp: 3137

Ion Ratio Lower Upper

202 100

200 30.0 18.2 27.4#

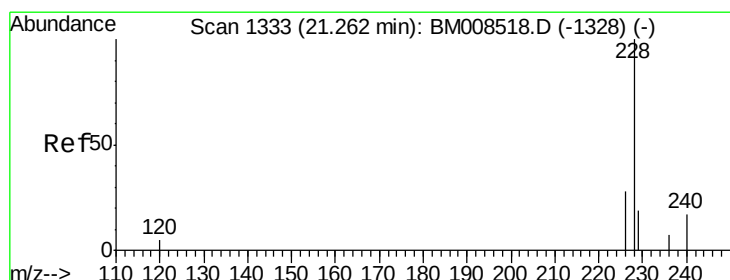
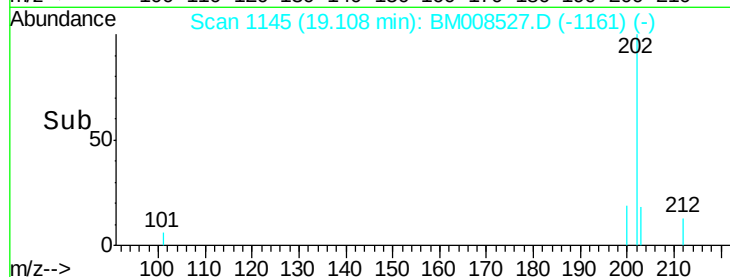
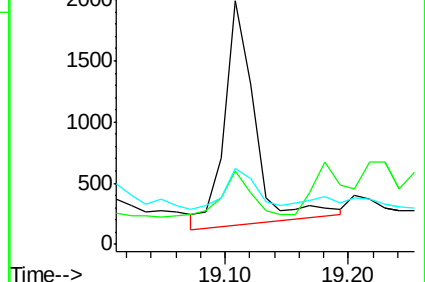
203 31.0 15.6 23.4#



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



#18

Benzo(a)anthracene

Concen: 0.22 ng/ul

RT: 20.78 min Scan# 1287

Delta R.T. -0.48 min

Lab File: BM008527.D

Acq: 21 Dec 2016 21:12

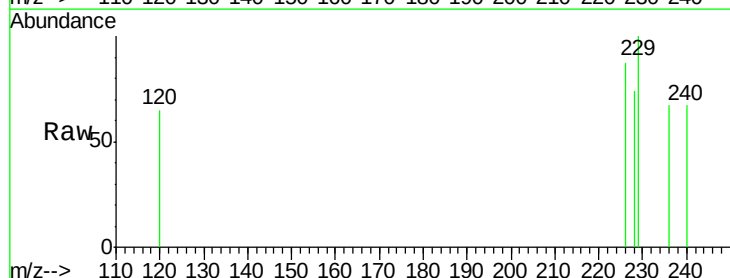
Tgt Ion:228 Resp: 84

Ion Ratio Lower Upper

228 100

226 117.6 22.8 34.2#

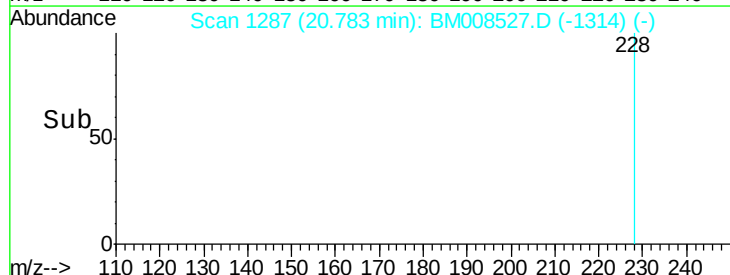
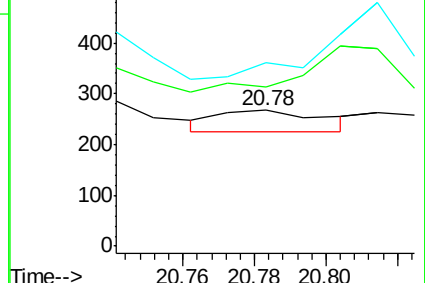
229 135.6 17.0 25.6#

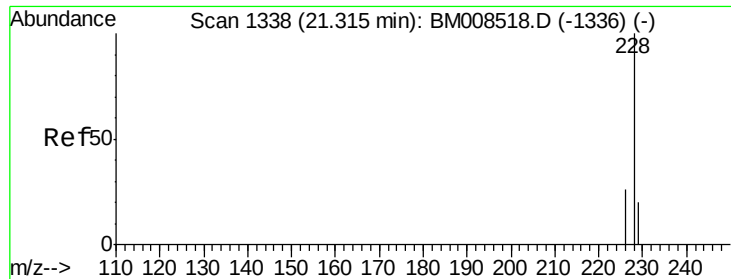


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#19

Chrysene

Concen: 0.12 ng/ul

RT: 20.87 min Scan# 1295

Delta R.T. -0.45 min

Lab File: BM008527.D

Acq: 21 Dec 2016 21:12

Instrument :

BNA_M

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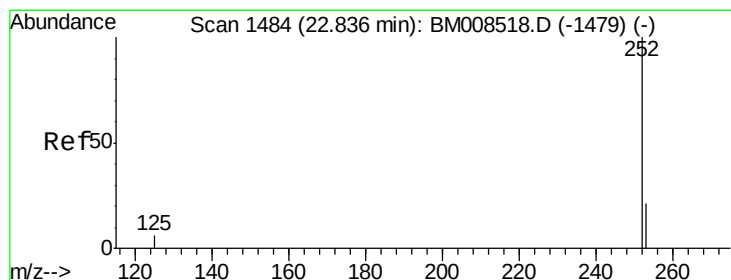
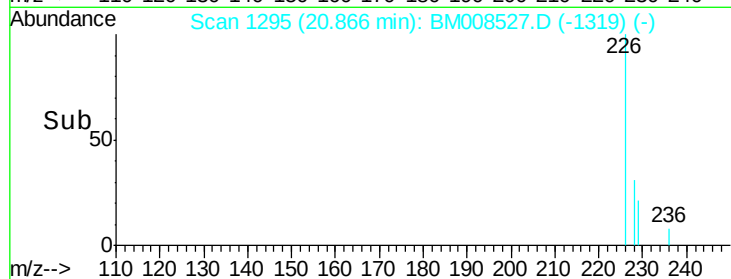
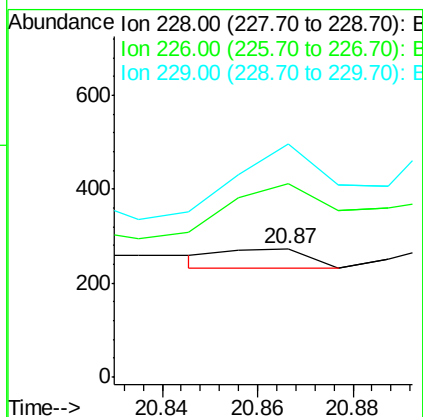
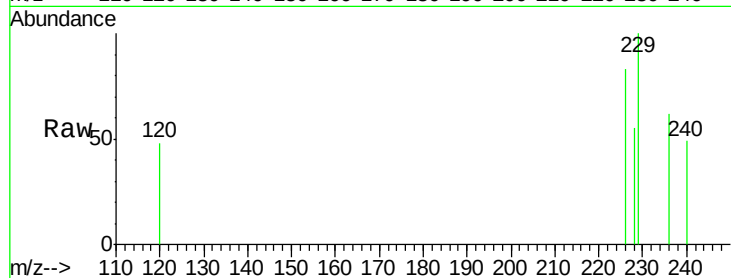
Tgt Ion:228 Resp: 51

Ion Ratio Lower Upper

228 100

226 150.4 23.4 35.0#

229 181.4 17.7 26.5#



#21

Benzo(b)fluoranthene

Concen: 1.52 ng/ul

RT: 22.28 min Scan# 1431

Delta R.T. -0.55 min

Lab File: BM008527.D

Acq: 21 Dec 2016 21:12

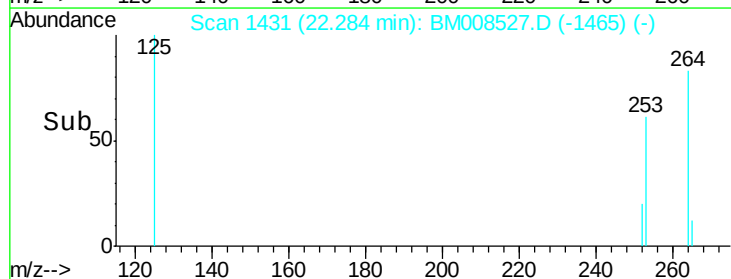
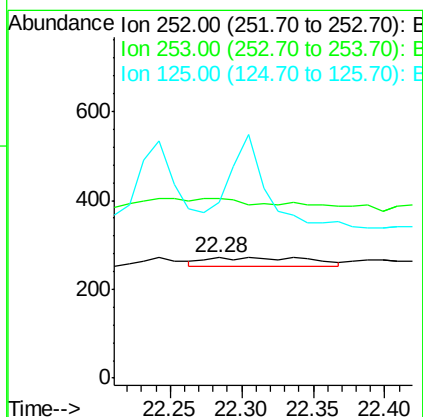
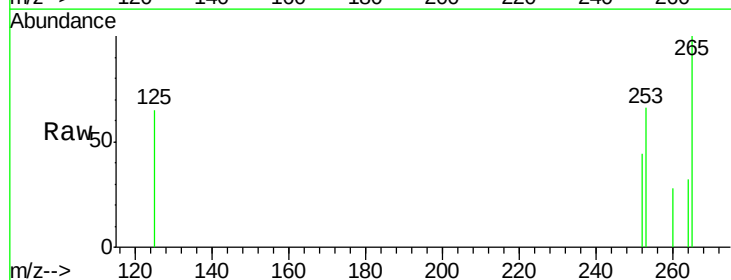
Tgt Ion:252 Resp: 90

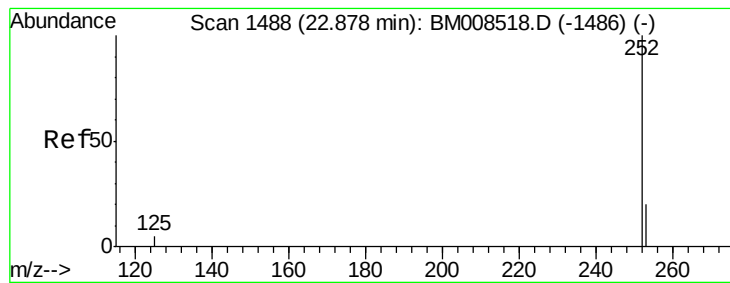
Ion Ratio Lower Upper

252 100

253 148.7 0.0 64.2#

125 145.8 0.0 35.0#





#22

Benzo(k)fluoranthene

Concen: 1.09 ng/ul

RT: 22.44 min Scan# 1446

Delta R.T. -0.44 min

Lab File: BM008527.D

Acq: 21 Dec 2016 21:12

Instrument :

BNA_M

ClientSampleId :

DA8X0

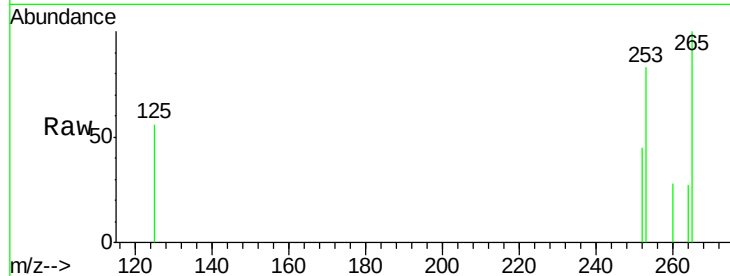
Tgt Ion:252 Resp: 63

Ion Ratio Lower Upper

252 100

253 187.0 24.5 36.7#

125 125.7 13.7 20.5#



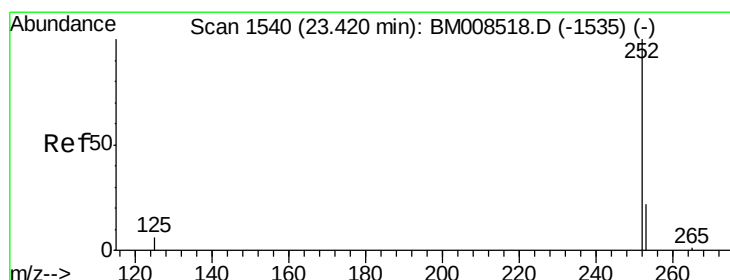
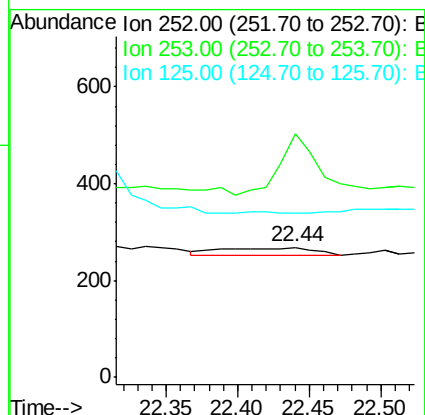
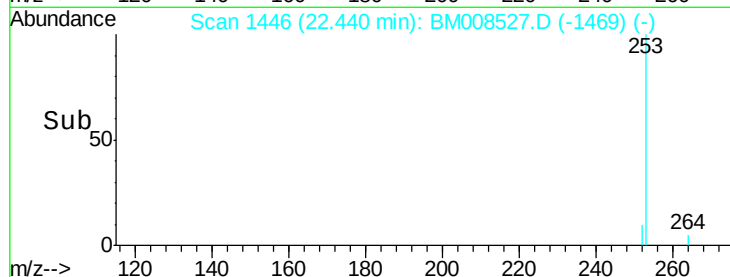
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

22.44

Time-->



#23

Benzo(a)pyrene

Concen: 0.57 ng/ul

RT: 22.92 min Scan# 1492

Delta R.T. -0.50 min

Lab File: BM008527.D

Acq: 21 Dec 2016 21:12

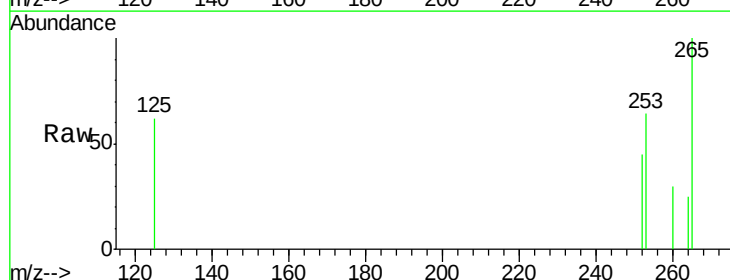
Tgt Ion:252 Resp: 31

Ion Ratio Lower Upper

252 100

253 142.5 28.5 42.7#

125 138.5 18.1 27.1#



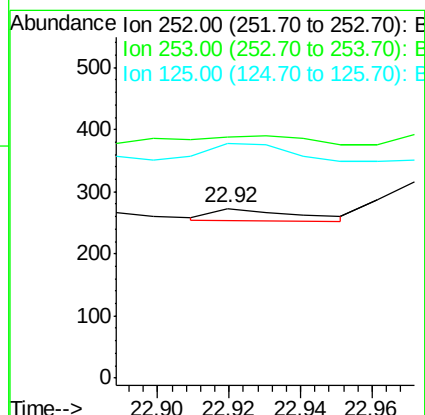
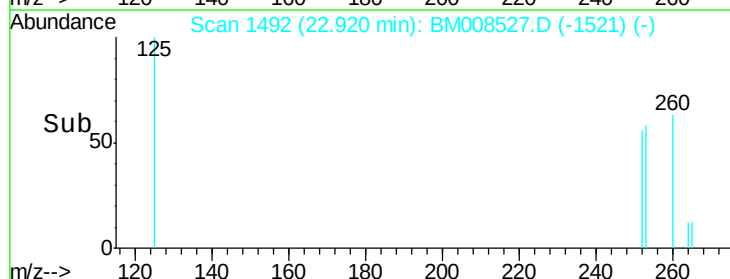
Abundance Ion 252.00 (251.70 to 252.70): E

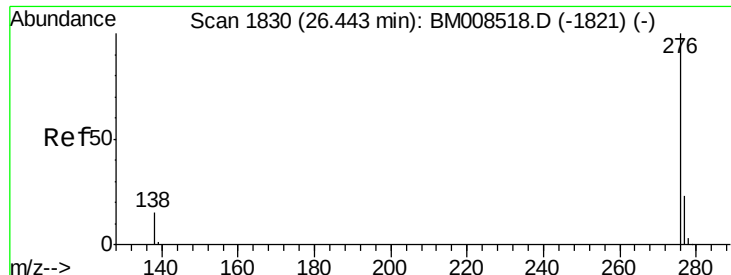
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

22.92

Time-->





#26

Benzo(g,h,i)perylene

Concen: 0.34 ng/ul

RT: 25.88 min Scan# 1776

Delta R.T. -0.56 min

Lab File: BM008527.D

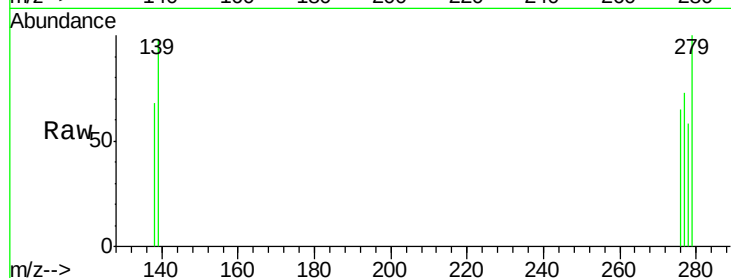
Acq: 21 Dec 2016 21:12

Instrument :

BNA_M

ClientSampleId :

DA8X0



Tgt Ion: 276 Resp: 19

Ion Ratio Lower Upper

276 100

277 111.1 21.8 32.8#

138 104.3 20.5 30.7#

