

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122216\
 Data File : BM008561.D
 Acq On : 22 Dec 2016 18:24
 Operator : UM/SJ
 Sample : H6039-19RE
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA8T3RE

Quant Time: Dec 23 04:16:09 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 23 04:12:47 2016
 Response via : Initial Calibration

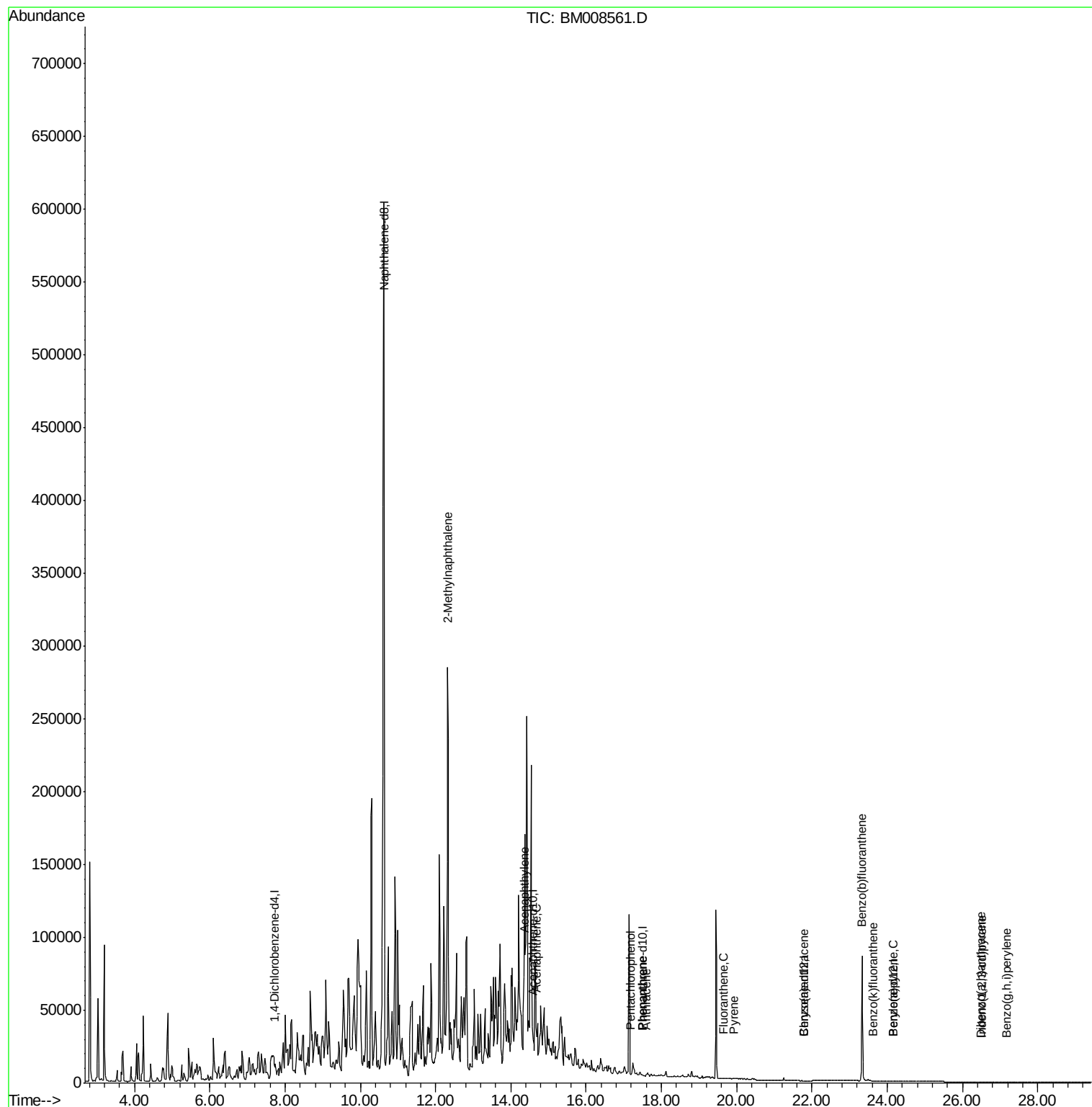
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	71	0.40	ng/ul	0.03
2) Naphthalene-d8	10.63	136	1187981	0.40	ng/ul	0.17
6) Acenaphthene-d10	14.59	164	14763	0.40	ng/ul	0.29
10) Phenanthrene-d10	17.48	188	569	0.40	ng/ul	0.41
16) Chrysene-d12	21.78	240	67	0.40	ng/ul	0.52
20) Perylene-d12	24.16	264	12	0.40	ng/ul	0.67
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.22	152	964	0.00	ng/ul	0.15
14) Fluoranthene-d10	0.00	212	0	0.00	ng/ul	
Target Compounds						
					Qvalue	
5) 2-Methylnaphthalene	12.32	142	173833	0.08	ng/ul	97
7) Acenaphthylene	14.35	152	6212	0.09	ng/ul#	1
8) Acenaphthene	14.69	153	1652	0.03	ng/ul#	52
11) Pentachlorophenol	17.18	266	37	0.21	ng/ul#	35
12) Phenanthrene	17.50	178	442	0.25	ng/ul#	1
13) Anthracene	17.59	178	759	0.45	ng/ul#	1
15) Fluoranthene	19.65	202	315	0.15	ng/ul#	1
17) Pyrene	19.93	202	289	1.12	ng/ul#	1
18) Benzo(a)anthracene	21.77	228	43	0.20	ng/ul#	1
21) Benzo(b)fluoranthene	23.33	252	625	13.22	ng/ul#	1
22) Benzo(k)fluoranthene	23.63	252	21	0.46	ng/ul#	1
23) Benzo(a)pyrene	24.15	252	21	0.48	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	26.52	276	4	0.08	ng/ul#	51
25) Dibenzo(a,h)anthracene	26.48	278	4	0.10	ng/ul#	1
26) Benzo(g,h,i)perylene	27.17	276	3	0.07	ng/ul#	1

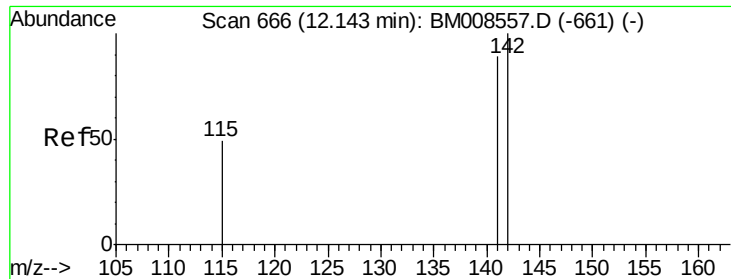
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

2-Methylnaphthalene

Concen: 0.08 ng/ul

RT: 12.32 min Scan# 683

Delta R.T. 0.18 min

Lab File: BM008561.D

Acq: 22 Dec 2016 18:24

Instrument :

BNA_M

ClientSampleId :

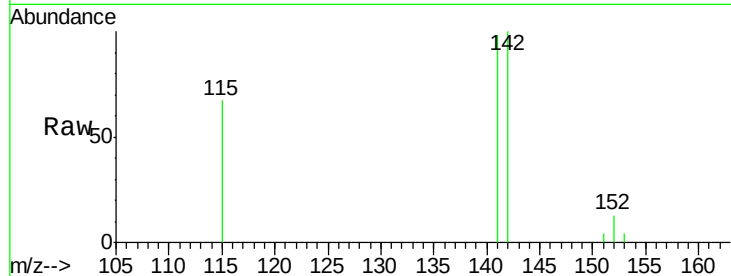
DA8T3RE

Tgt Ion:142 Resp: 173833

Ion Ratio Lower Upper

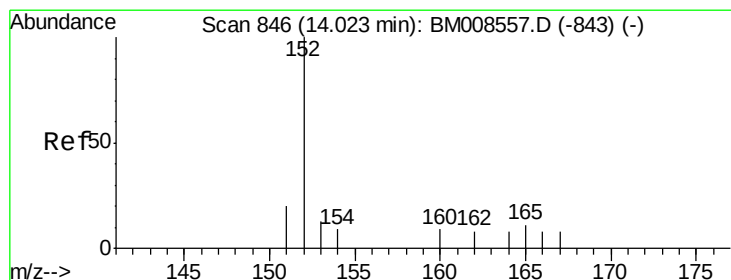
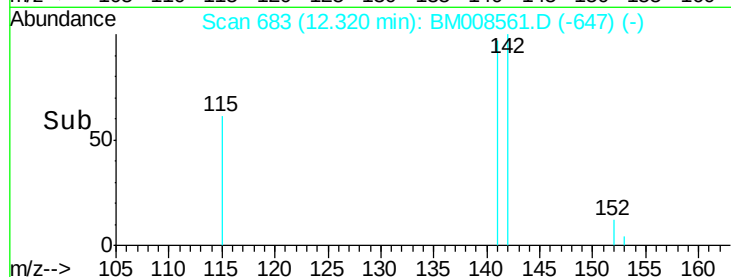
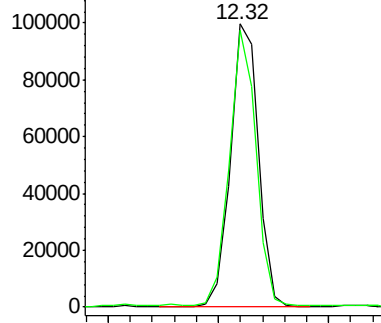
142 100

141 93.3 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: 0.09 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. 0.33 min

Lab File: BM008561.D

Acq: 22 Dec 2016 18:24

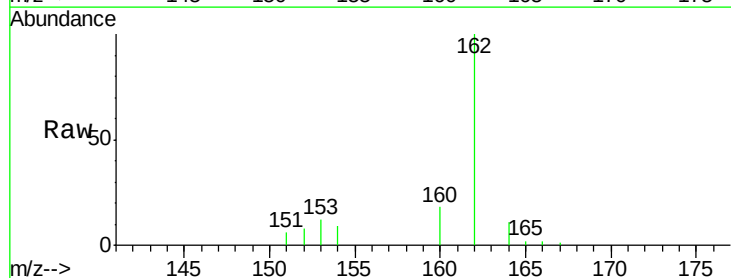
Tgt Ion:152 Resp: 6212

Ion Ratio Lower Upper

152 100

151 74.8 17.1 25.7#

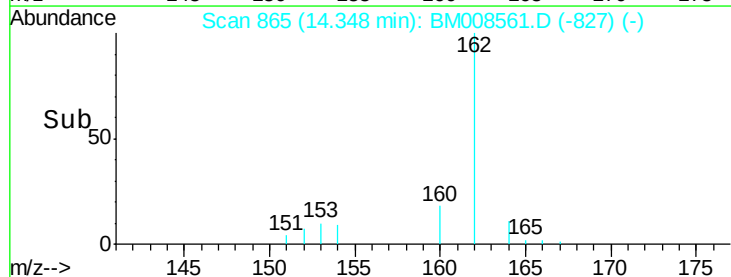
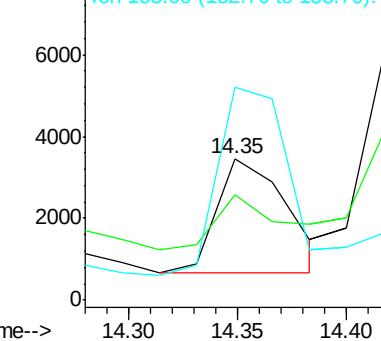
153 151.2 12.8 19.2#

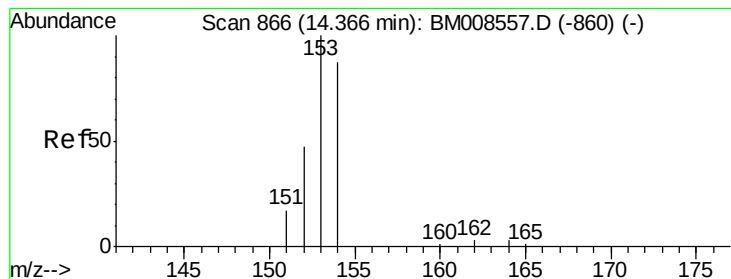


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#8

Acenaphthene

Concen: 0.03 ng/ul

RT: 14.69 min Scan# 885

Delta R.T. 0.33 min

Lab File: BM008561.D

Acq: 22 Dec 2016 18:24

Instrument :

BNA_M

ClientSampleId :

DA8T3RE

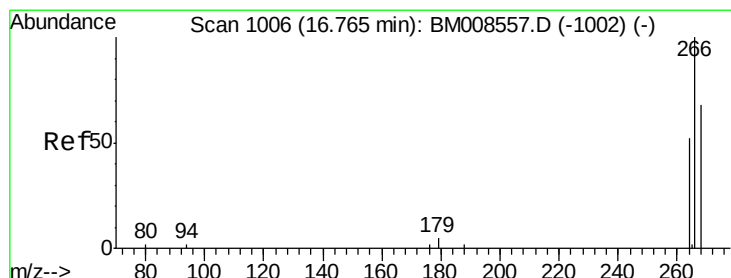
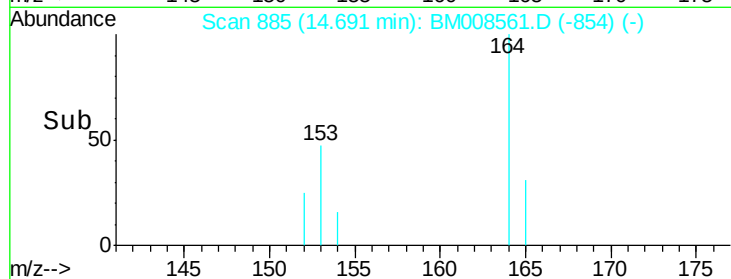
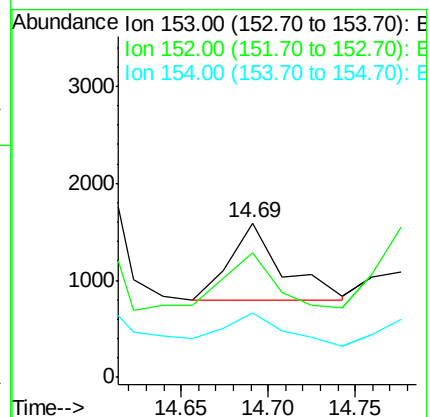
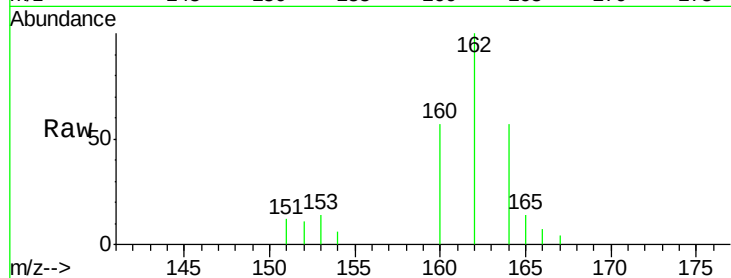
Tgt Ion:153 Resp: 1652

Ion Ratio Lower Upper

153 100

152 80.6 40.3 60.5#

154 41.9 71.4 107.2#



#11

Pentachlorophenol

Concen: 0.21 ng/ul

RT: 17.18 min Scan# 1030

Delta R.T. 0.41 min

Lab File: BM008561.D

Acq: 22 Dec 2016 18:24

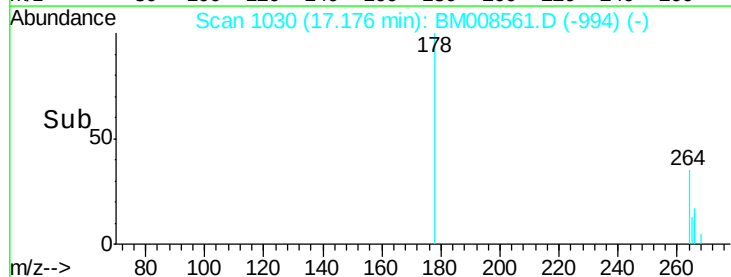
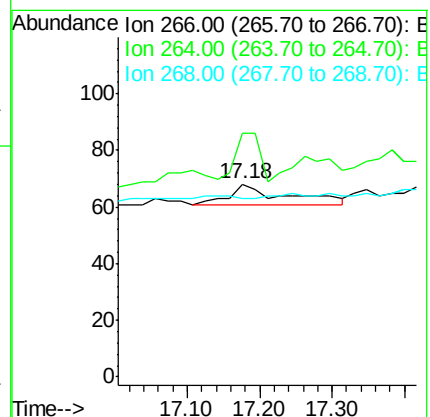
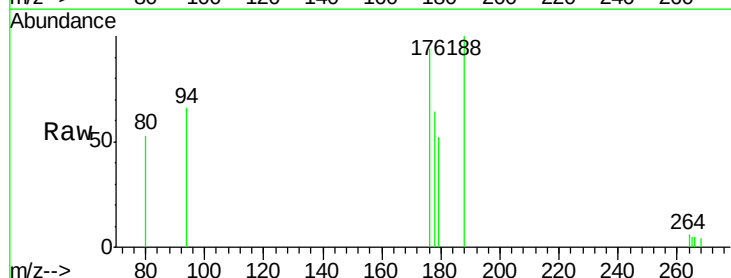
Tgt Ion:266 Resp: 37

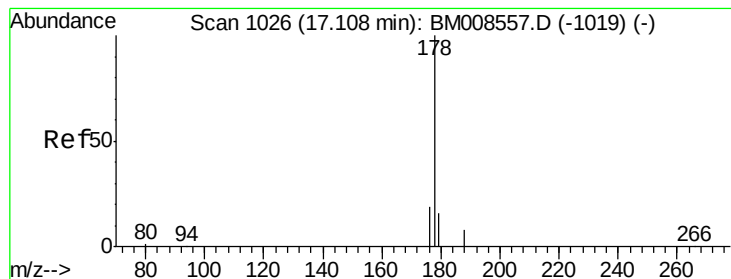
Ion Ratio Lower Upper

266 100

264 97.3 47.9 71.9#

268 0.0 49.8 74.8#





#12

Phenanthrene

Concen: 0.25 ng/ul

RT: 17.50 min Scan# 1049

Delta R.T. 0.39 min

Lab File: BM008561.D

Acq: 22 Dec 2016 18:24

Instrument :

BNA_M

ClientSampleId :

DA8T3RE

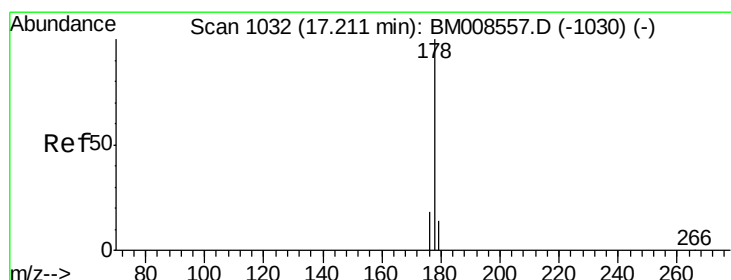
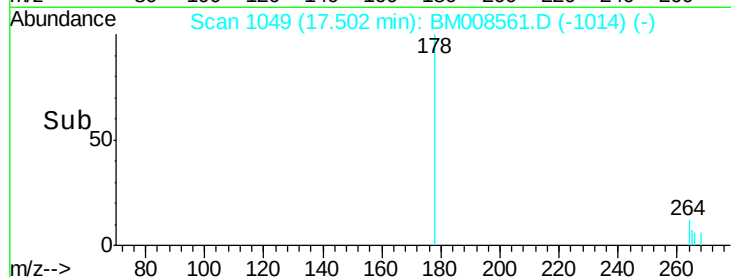
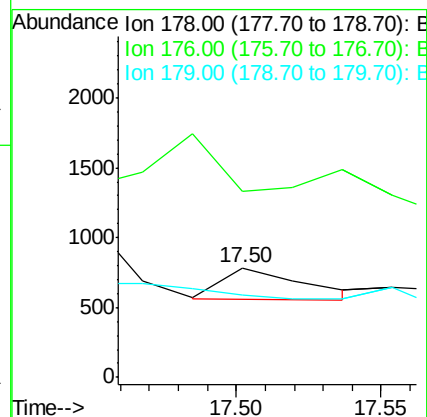
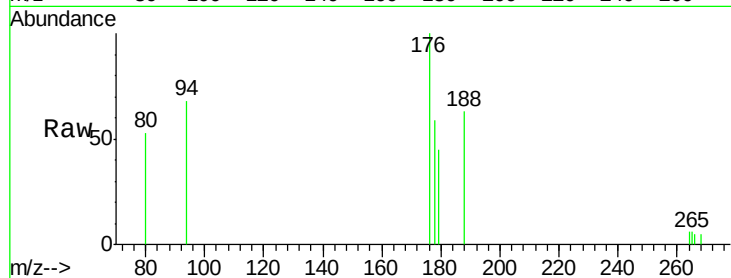
Tgt Ion:178 Resp: 442

Ion Ratio Lower Upper

178 100

176 169.8 18.4 27.6#

179 75.8 13.6 20.4#



#13

Anthracene

Concen: 0.45 ng/ul

RT: 17.59 min Scan# 1054

Delta R.T. 0.38 min

Lab File: BM008561.D

Acq: 22 Dec 2016 18:24

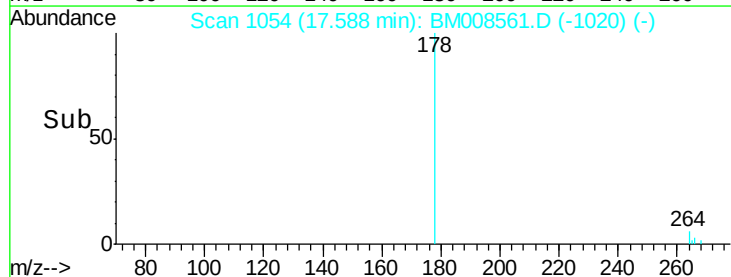
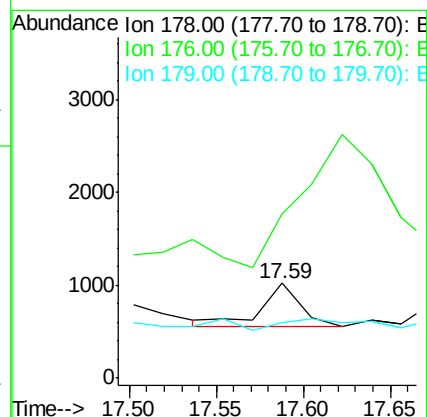
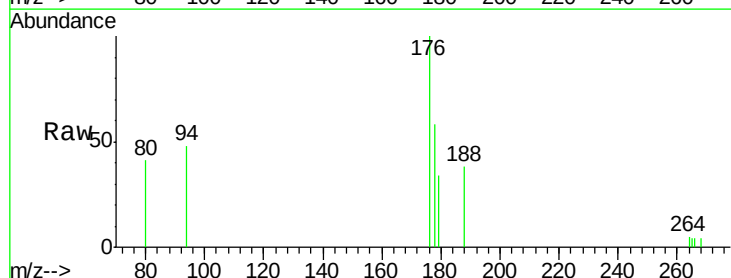
Tgt Ion:178 Resp: 759

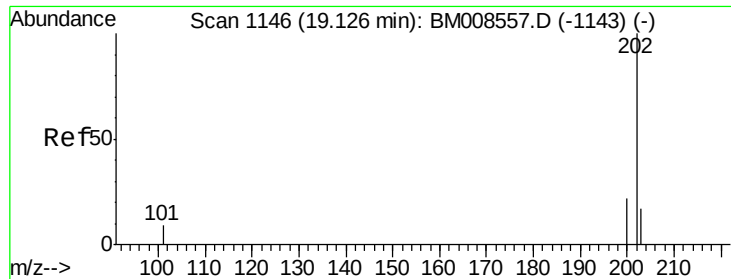
Ion Ratio Lower Upper

178 100

176 173.2 18.1 27.1#

179 58.5 14.7 22.1#





#15

Fluoranthene

Concen: 0.15 ng/ul

RT: 19.65 min Scan# 1190

Delta R.T. 0.53 min

Lab File: BM008561.D

Acq: 22 Dec 2016 18:24

Instrument :

BNA_M

ClientSampleId :

DA8T3RE

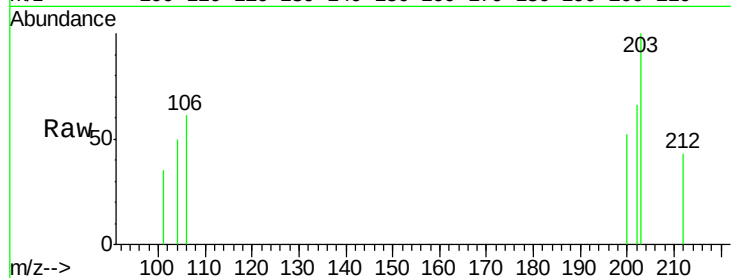
Tgt Ion:202 Resp: 315

Ion Ratio Lower Upper

202 100

101 53.0 0.0 30.3#

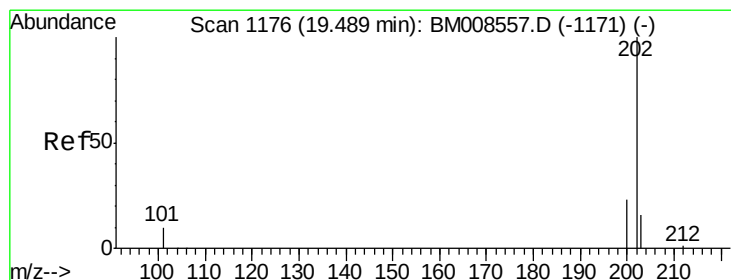
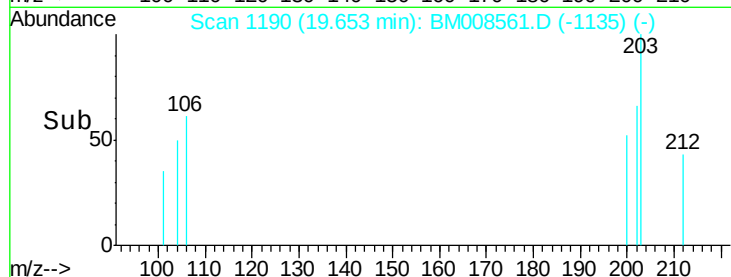
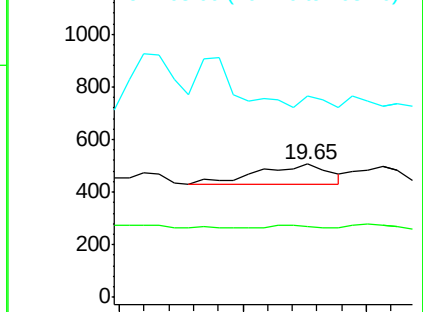
203 151.0 0.0 39.5#



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: 1.12 ng/ul

RT: 19.93 min Scan# 1213

Delta R.T. 0.44 min

Lab File: BM008561.D

Acq: 22 Dec 2016 18:24

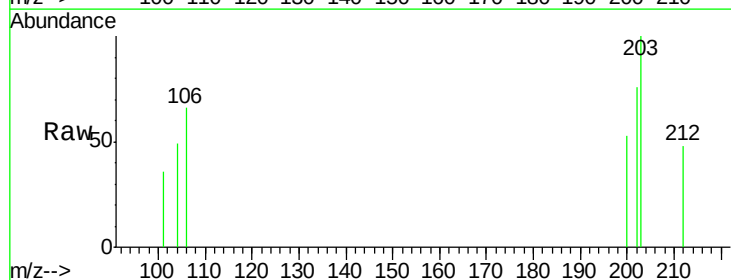
Tgt Ion:202 Resp: 289

Ion Ratio Lower Upper

202 100

200 69.9 18.2 27.4#

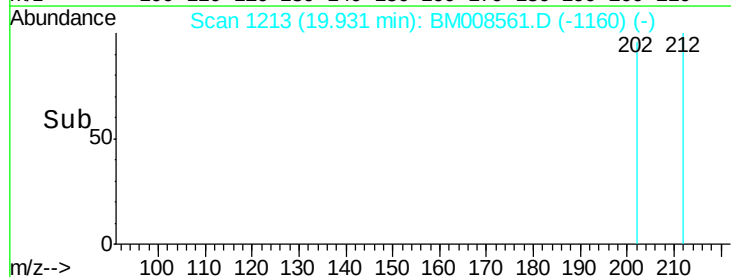
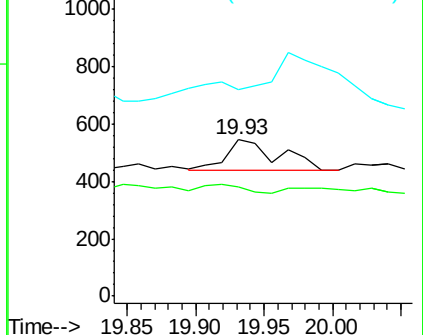
203 132.0 15.6 23.4#

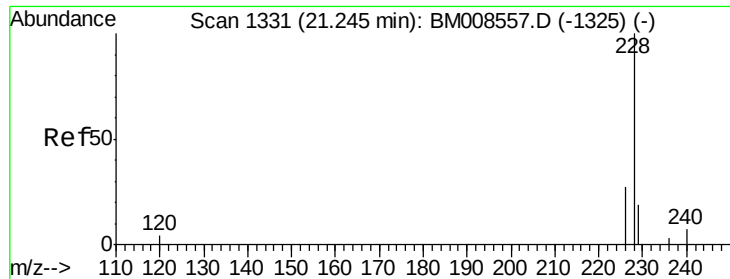


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.20 ng/ul

RT: 21.77 min Scan# 1382

Delta R.T. 0.53 min

Lab File: BM008561.D

Acq: 22 Dec 2016 18:24

Instrument :

BNA_M

ClientSampleId :

DA8T3RE

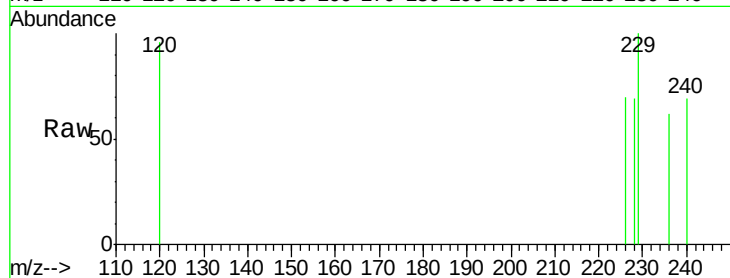
Tgt Ion:228 Resp: 43

Ion Ratio Lower Upper

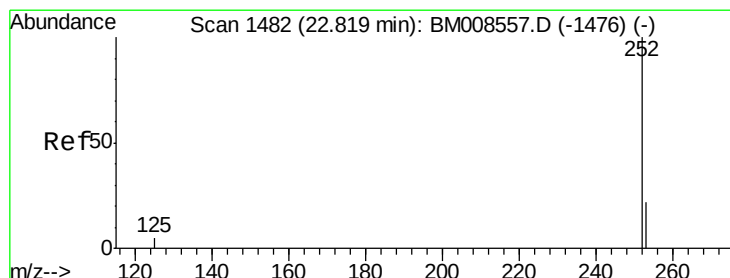
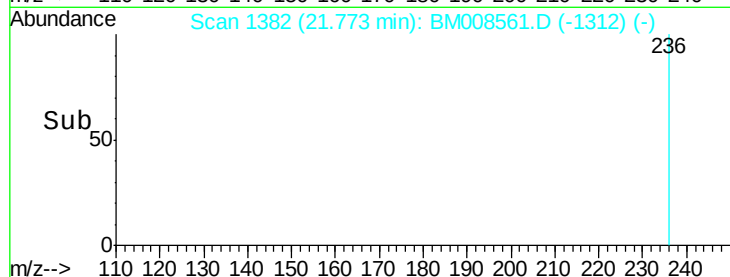
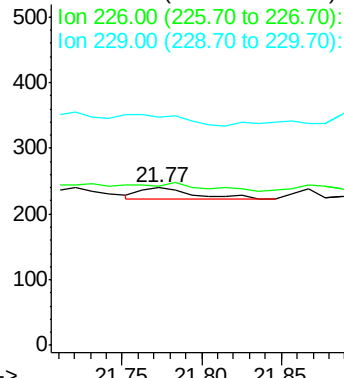
228 100

226 100.8 22.8 34.2#

229 144.6 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



#21

Benzo(b)fluoranthene

Concen: 13.22 ng/ul

RT: 23.33 min Scan# 1531

Delta R.T. 0.51 min

Lab File: BM008561.D

Acq: 22 Dec 2016 18:24

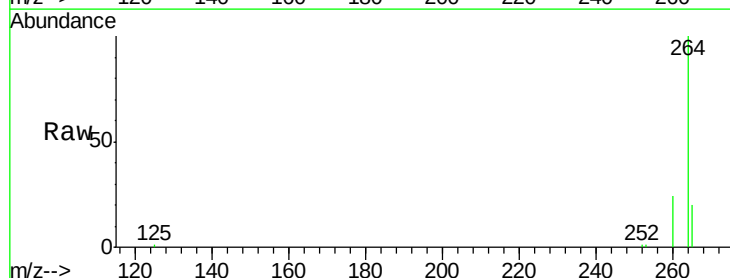
Tgt Ion:252 Resp: 625

Ion Ratio Lower Upper

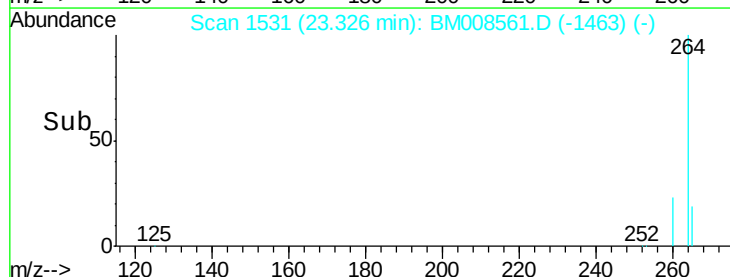
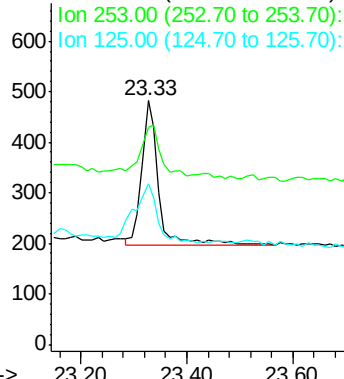
252 100

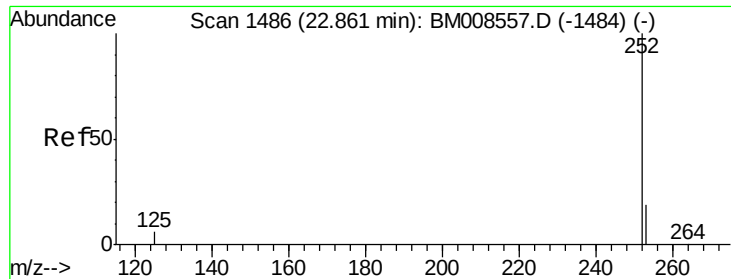
253 89.0 0.0 64.2#

125 66.0 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: 0.46 ng/ul

RT: 23.63 min Scan# 1560

Delta R.T. 0.77 min

Lab File: BM008561.D

Acq: 22 Dec 2016 18:24

Instrument :

BNA_M

ClientSampleId :

DA8T3RE

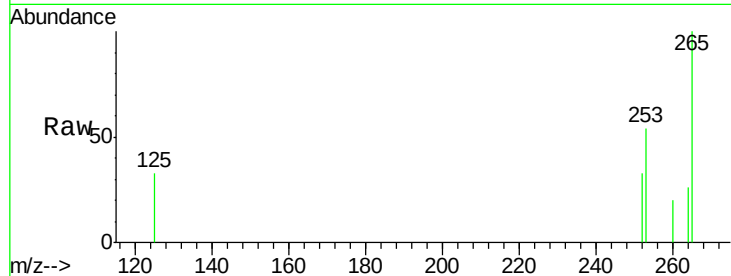
Tgt Ion:252 Resp: 21

Ion Ratio Lower Upper

252 100

253 163.0 24.5 36.7#

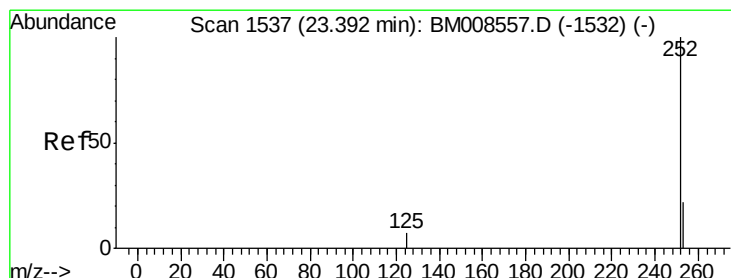
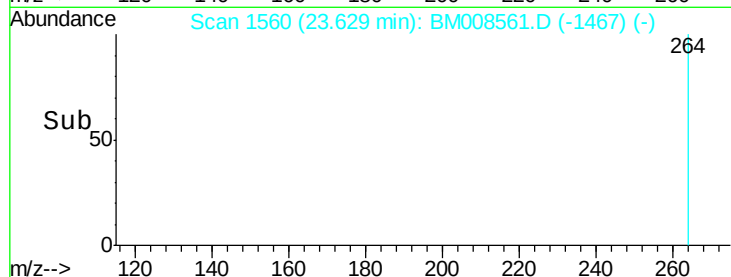
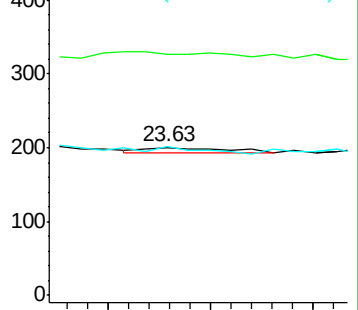
125 100.5 13.7 20.5#



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: 0.48 ng/ul

RT: 24.15 min Scan# 1610

Delta R.T. 0.76 min

Lab File: BM008561.D

Acq: 22 Dec 2016 18:24

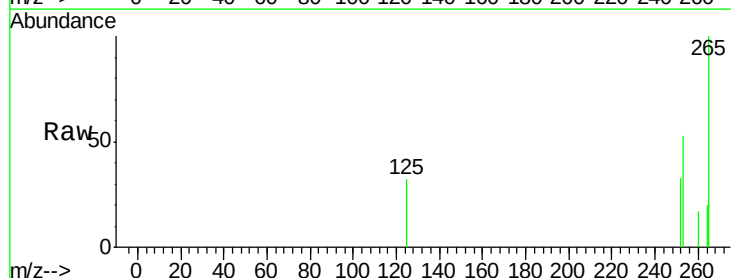
Tgt Ion:252 Resp: 21

Ion Ratio Lower Upper

252 100

253 160.9 28.5 42.7#

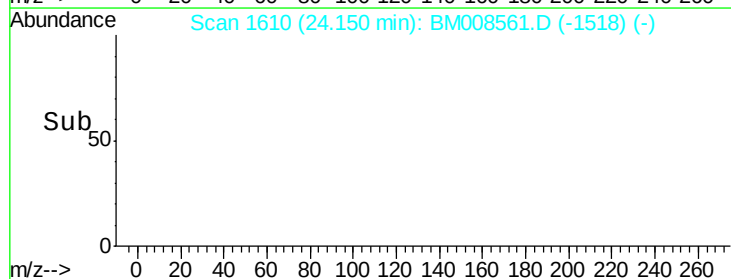
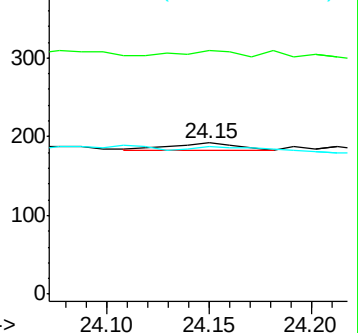
125 97.4 18.1 27.1#

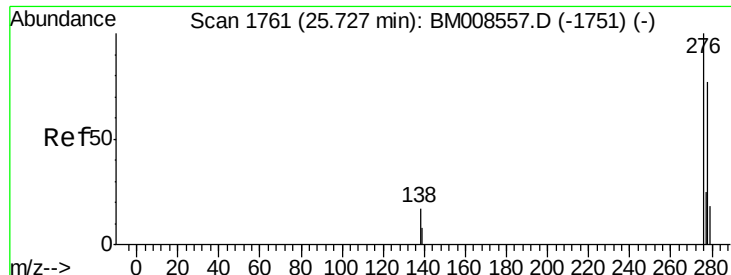


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

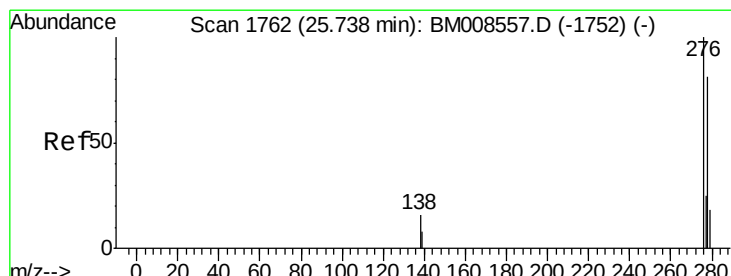
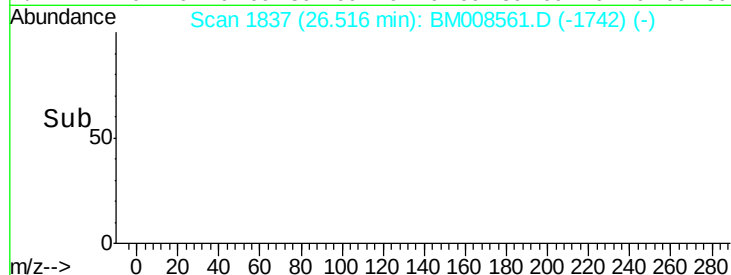
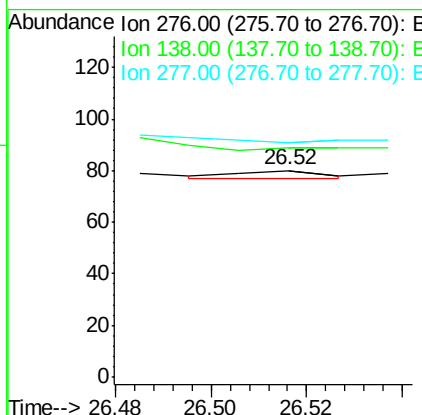
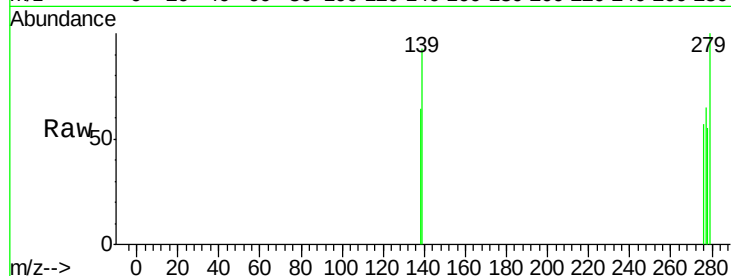




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.08 ng/ul
 RT: 26.52 min Scan# 1837
 Delta R.T. 0.79 min
 Lab File: BM008561.D
 Acq: 22 Dec 2016 18:24

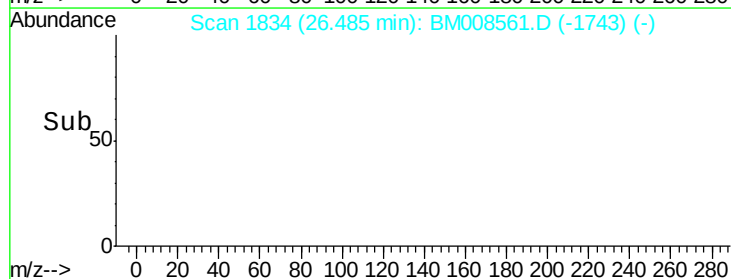
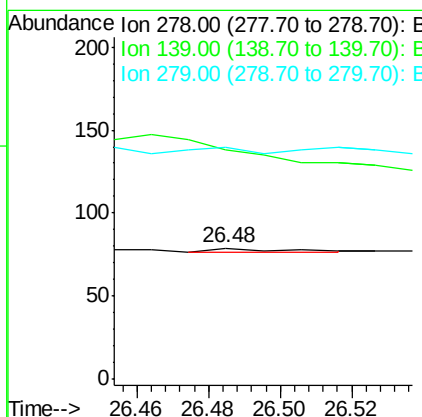
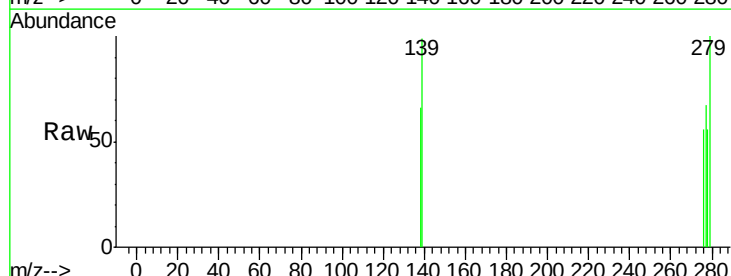
Instrument :
 BNA_M
 ClientSampleId :
 DA8T3RE

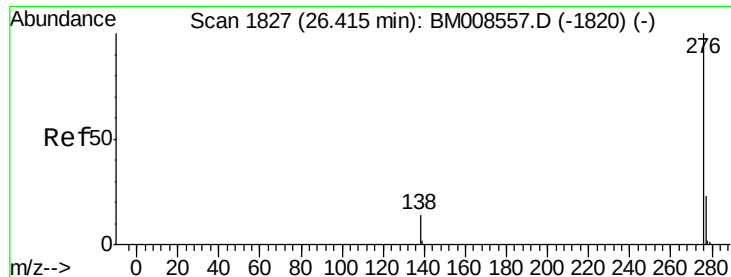
Tgt Ion: 276 Resp: 4
 Ion Ratio Lower Upper
 276 100
 138 0.0 19.1 28.7#
 277 0.0 19.6 29.4#



#25
 Dibenzo(a,h)anthracene
 Concen: 0.10 ng/ul
 RT: 26.48 min Scan# 1834
 Delta R.T. 0.75 min
 Lab File: BM008561.D
 Acq: 22 Dec 2016 18:24

Tgt Ion: 278 Resp: 4
 Ion Ratio Lower Upper
 278 100
 139 174.7 17.4 26.0#
 279 177.2 25.9 38.9#





#26
Benzo(g,h,i)perylene
Concen: 0.07 ng/ul
RT: 27.17 min Scan# 1900
Delta R.T. 0.76 min
Lab File: BM008561.D
Acq: 22 Dec 2016 18:24

Instrument :
BNA_M
ClientSampleId :
DA8T3RE

Tgt Ion	Ratio	Lower	Upper
276	100		
277	112.8	21.8	32.8#
138	112.8	20.5	30.7#

