

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
 Data File : BM008225.D
 Acq On : 10 Dec 2016 10:12
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.439

Quant Time: Dec 12 02:40:11 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

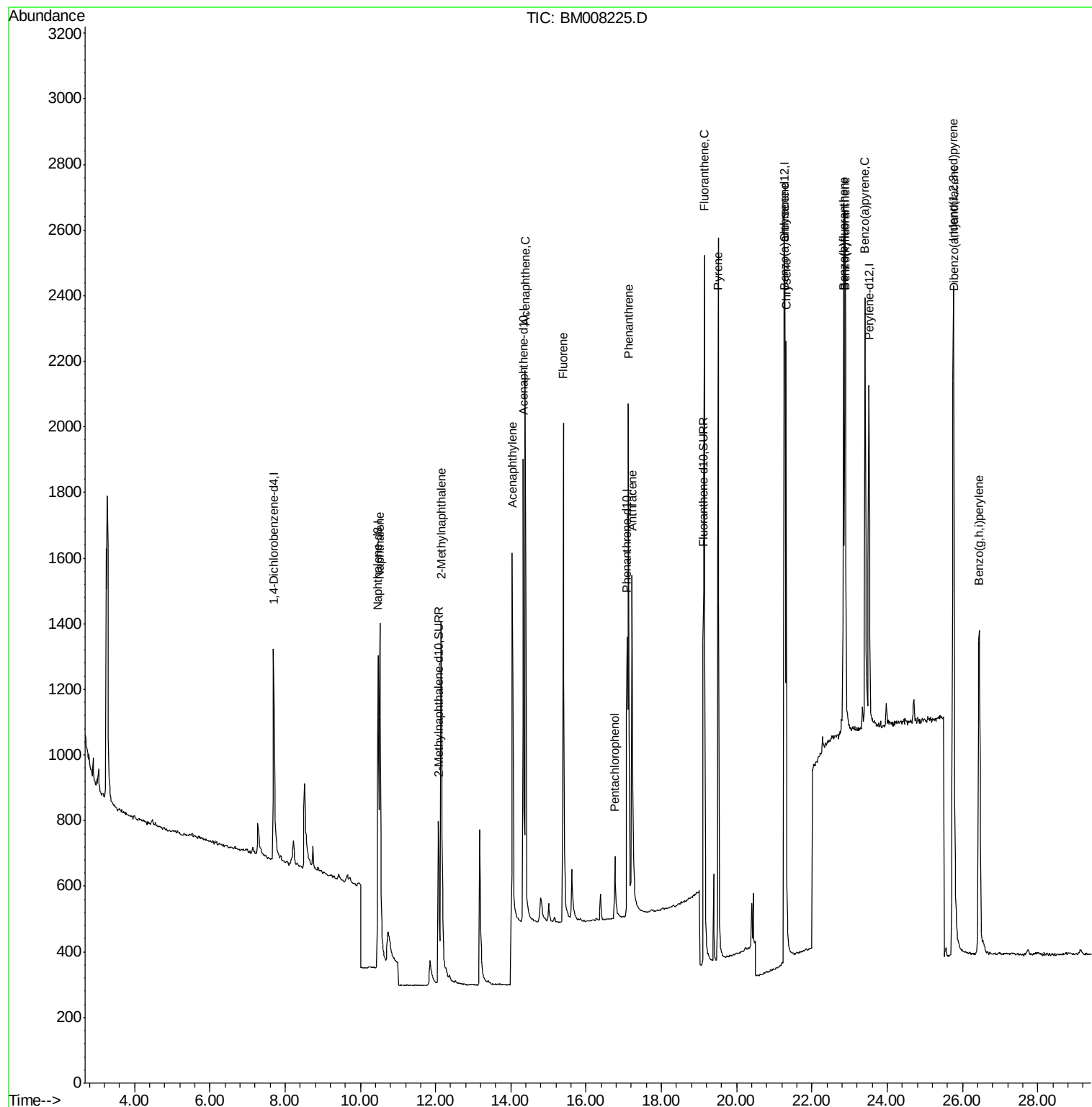
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	541	0.40	ng/ul	-0.03
2) Naphthalene-d8	10.48	136	1795	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.33	164	956	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.09	188	1581	0.40	ng/ul	0.00
16) Chrysene-d12	21.28	240	1529	0.40	ng/ul	-0.01
20) Perylene-d12	23.52	264	1554	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.08	152	1014	0.40	ng/ul	-0.02
14) Fluoranthene-d10	19.13	212	1968	0.44	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.52	128	1956	0.39	ng/ul	94
5) 2-Methylnaphthalene	12.15	142	1261	0.39	ng/ul	98
7) Acenaphthylene	14.04	152	1770	0.41	ng/ul	95
8) Acenaphthene	14.38	153	1295	0.39	ng/ul	92
9) Fluorene	15.39	166	1389	0.37	ng/ul	92
11) Pentachlorophenol	16.76	266	222	0.40	ng/ul	93
12) Phenanthrene	17.12	178	2013	0.41	ng/ul	98
13) Anthracene	17.23	178	1985	0.43	ng/ul	96
15) Fluoranthene	19.15	202	3304	0.52	ng/ul	98
17) Pyrene	19.51	202	2486	0.47	ng/ul	99
18) Benzo(a)anthracene	21.27	228	2076	0.44	ng/ul	97
19) Chrysene	21.32	228	2222	0.38	ng/ul	97
21) Benzo(b)fluoranthene	22.84	252	2355	0.38	ng/ul	96
22) Benzo(k)fluoranthene	22.88	252	2378	0.37	ng/ul	95
23) Benzo(a)pyrene	23.41	252	2277	0.39	ng/ul#	95
24) Indeno(1,2,3-cd)pyrene	25.76	276	2821	0.39	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.77	278	2273	0.39	ng/ul	94
26) Benzo(g,h,i)perylene	26.45	276	2441	0.38	ng/ul	93

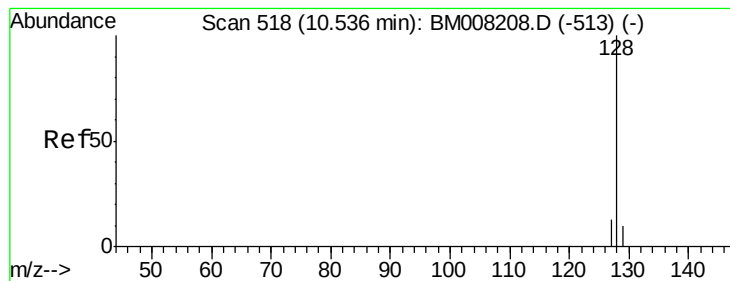
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.39 ng/ul

RT: 10.52 min Scan# 517

Delta R.T. -0.01 min

Lab File: BM008225.D

Acq: 10 Dec 2016 10:12

Instrument :

BNA_M

ClientSampleId :

SSTD0.439

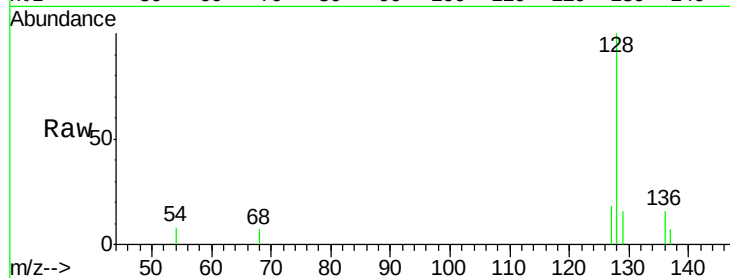
Tot Ion:128 Resp: 1956

Ion Ratio Lower Upper

128 100

129 16.4 11.3 16.9

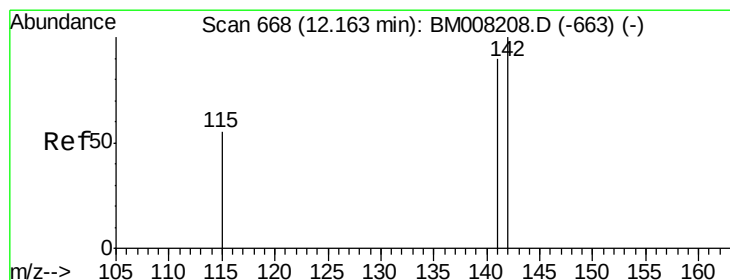
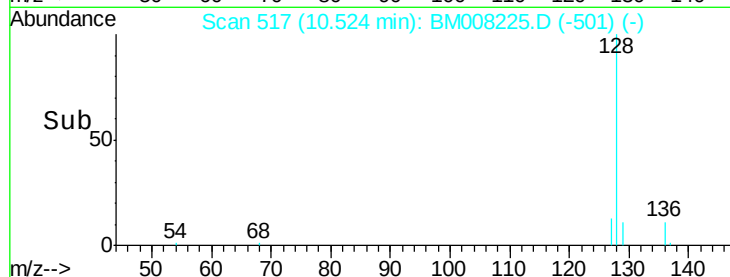
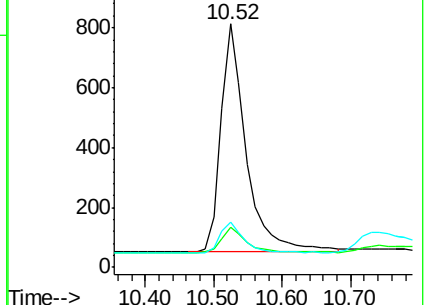
127 18.5 12.8 19.2



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: 0.39 ng/ul

RT: 12.15 min Scan# 667

Delta R.T. -0.01 min

Lab File: BM008225.D

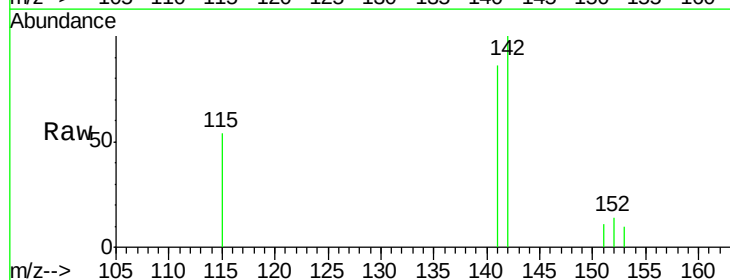
Acq: 10 Dec 2016 10:12

Tgt Ion:142 Resp: 1261

Ion Ratio Lower Upper

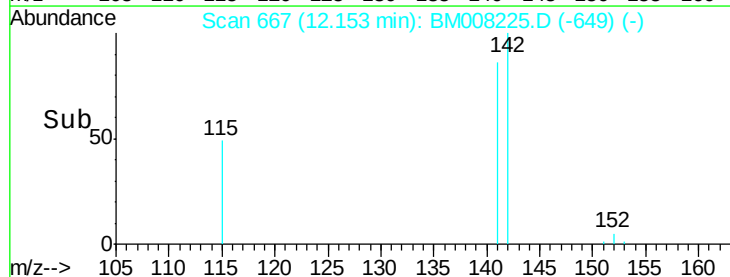
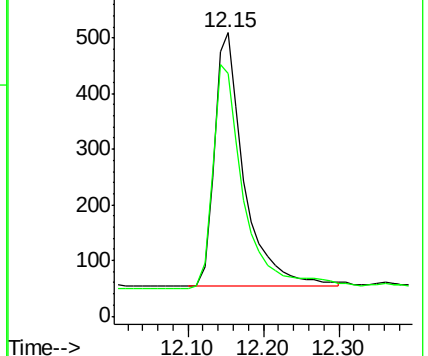
142 100

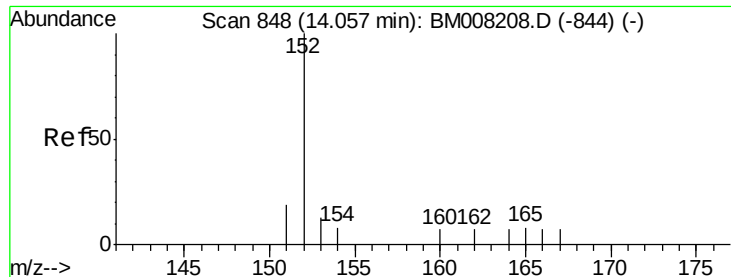
141 92.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.41 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.02 min

Lab File: BM008225.D

Acq: 10 Dec 2016 10:12

Instrument :

BNA_M

ClientSampleId :

SSTD0.439

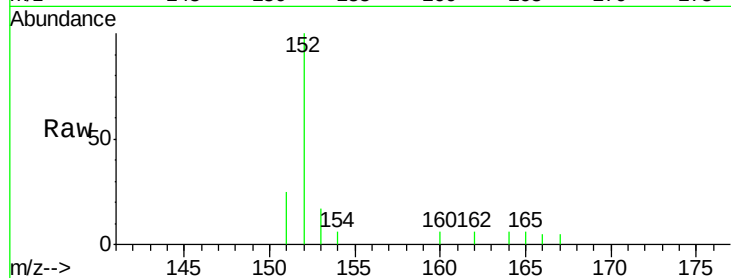
Tot Ion:152 Resp: 1770

Ion Ratio Lower Upper

152 100

151 25.1 17.1 25.7

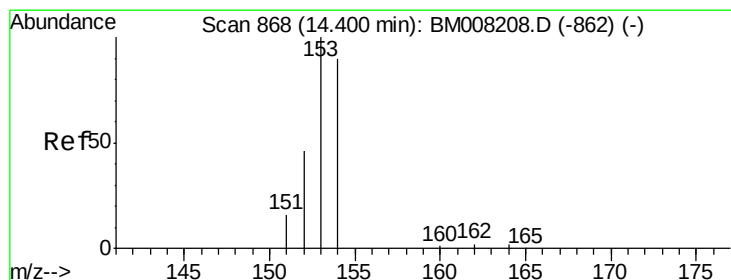
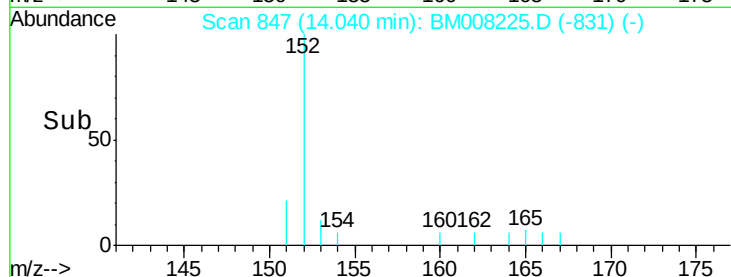
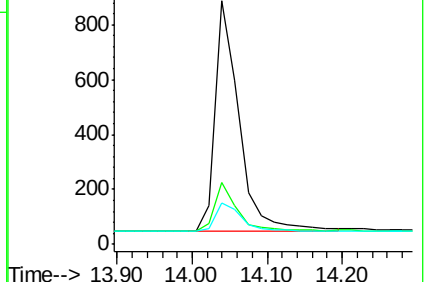
153 16.8 12.8 19.2



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: 0.39 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. -0.02 min

Lab File: BM008225.D

Acq: 10 Dec 2016 10:12

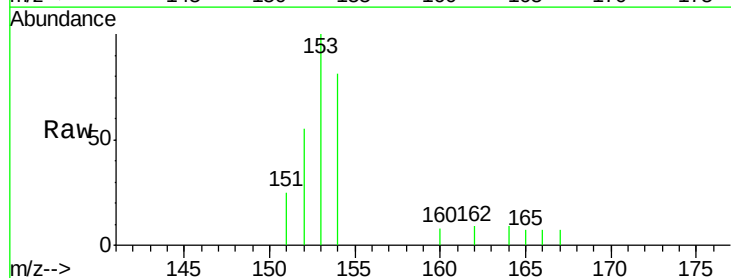
Tgt Ion:153 Resp: 1295

Ion Ratio Lower Upper

153 100

152 55.3 40.3 60.5

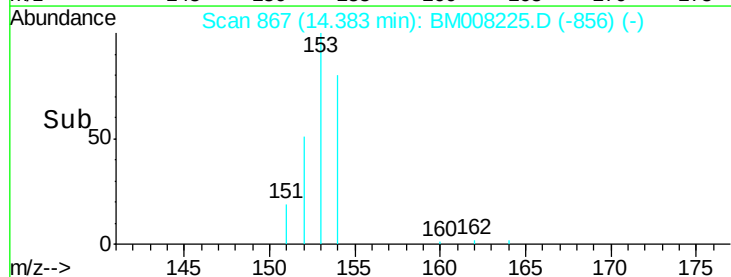
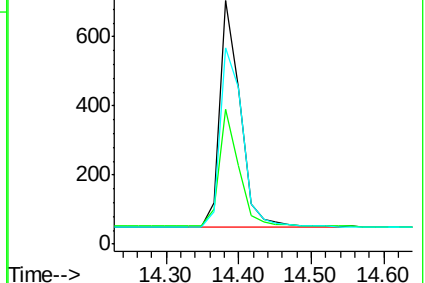
154 80.9 71.4 107.2

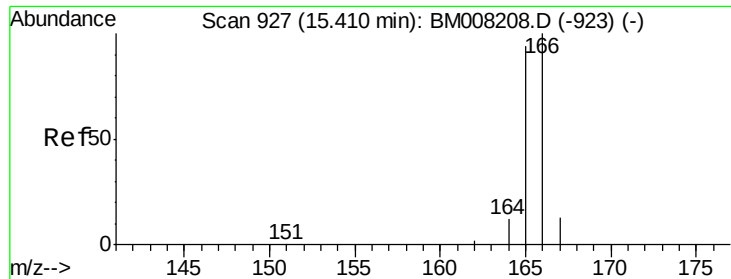


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

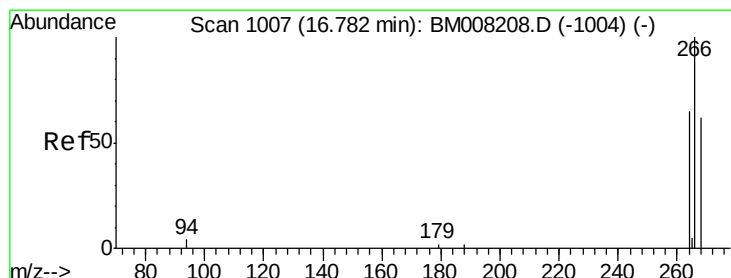
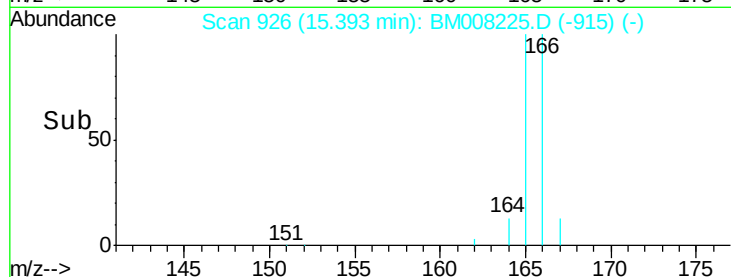
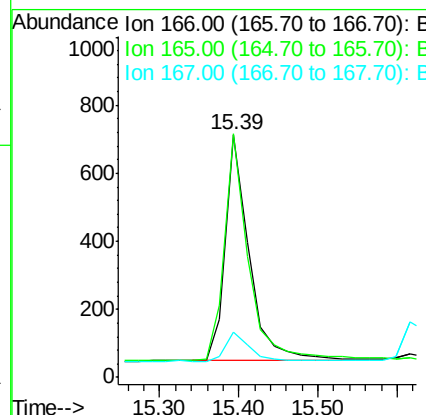
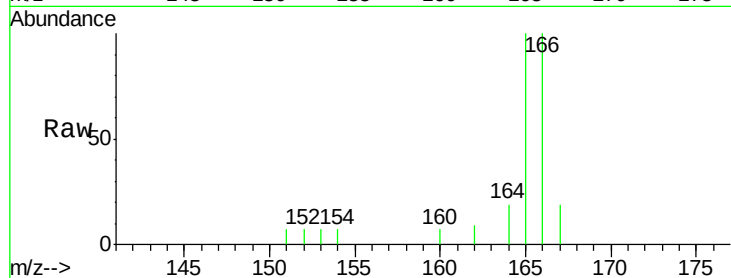




#9
Fluorene
 Concen: 0.37 ng/ul
 RT: 15.39 min Scan# 926
 Delta R.T. -0.02 min
 Lab File: BM008225.D
 Acq: 10 Dec 2016 10:12

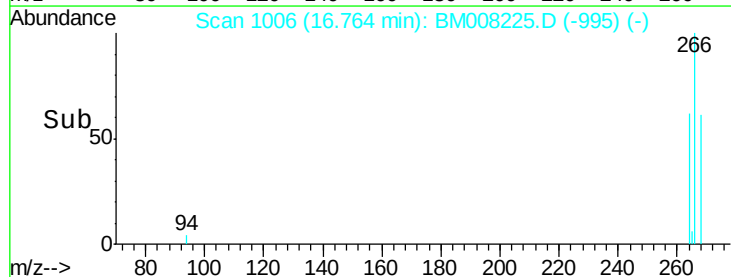
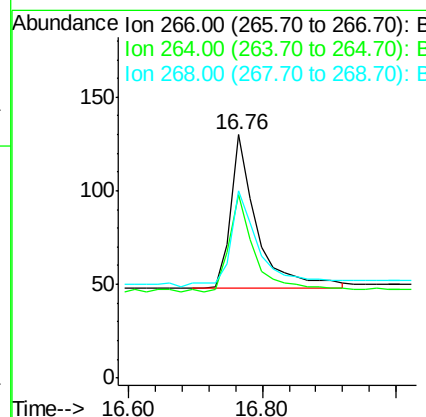
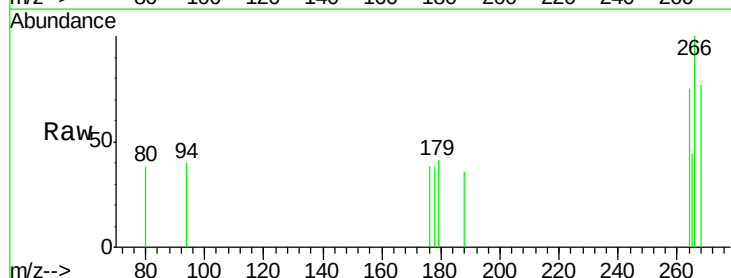
Instrument :
 BNA_M
 ClientSampleId :
 SST0.439

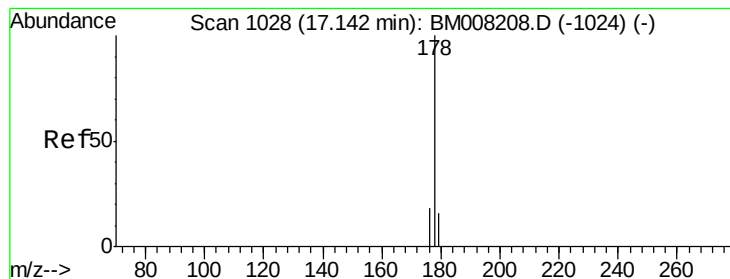
Tot Ion:166 Resp: 1389
 Ion Ratio Lower Upper
 166 100
 165 100.4 73.4 110.2
 167 18.7 14.6 22.0



#11
Pentachlorophenol
 Concen: 0.40 ng/ul
 RT: 16.76 min Scan# 1006
 Delta R.T. -0.02 min
 Lab File: BM008225.D
 Acq: 10 Dec 2016 10:12

Tgt Ion:266 Resp: 222
 Ion Ratio Lower Upper
 266 100
 264 64.0 47.9 71.9
 268 69.4 49.8 74.8





#12

Phenanthrene

Concen: 0.41 ng/ul

RT: 17.12 min Scan# 1027

Delta R.T. -0.02 min

Lab File: BM008225.D

Acq: 10 Dec 2016 10:12

Instrument :

BNA_M

ClientSampleId :

SSTD0.439

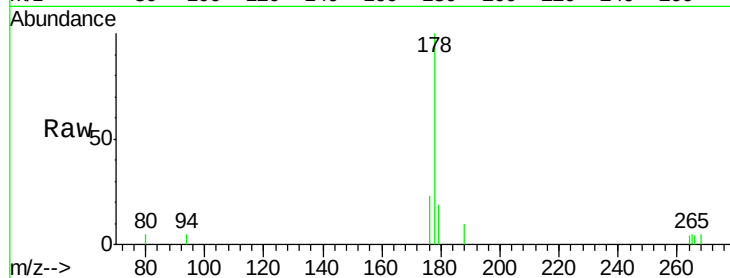
Tot Ion:178 Resp: 2013

Ion Ratio Lower Upper

178 100

176 22.9 18.4 27.6

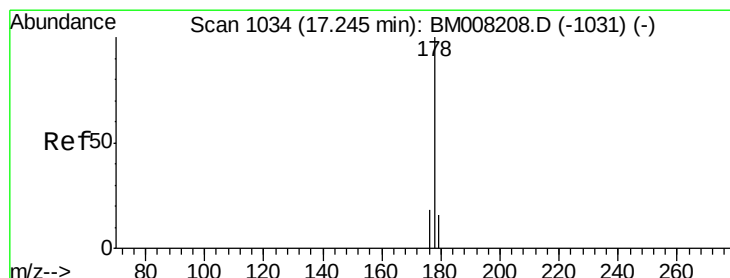
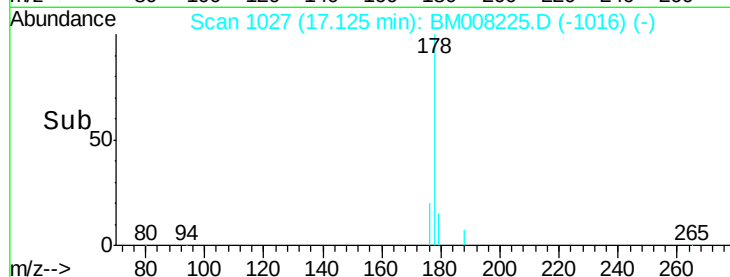
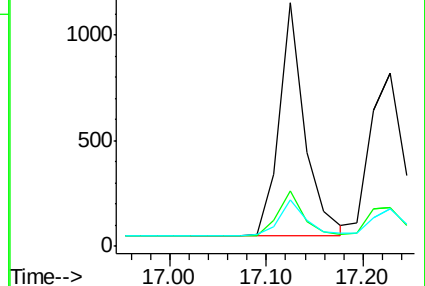
179 19.2 13.6 20.4



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



#13

Anthracene

Concen: 0.43 ng/ul

RT: 17.23 min Scan# 1033

Delta R.T. -0.02 min

Lab File: BM008225.D

Acq: 10 Dec 2016 10:12

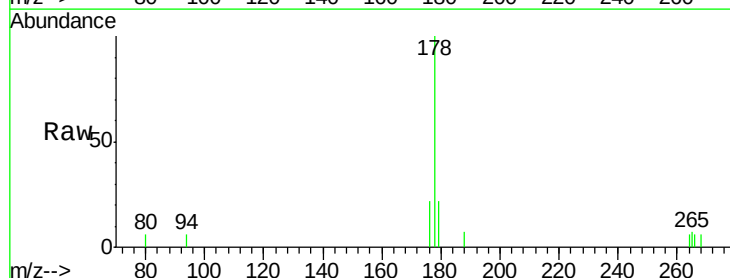
Tgt Ion:178 Resp: 1985

Ion Ratio Lower Upper

178 100

176 22.3 18.1 27.1

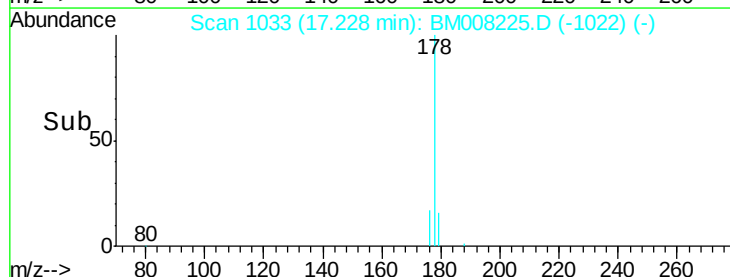
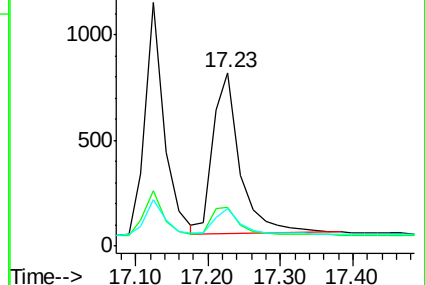
179 21.8 14.7 22.1

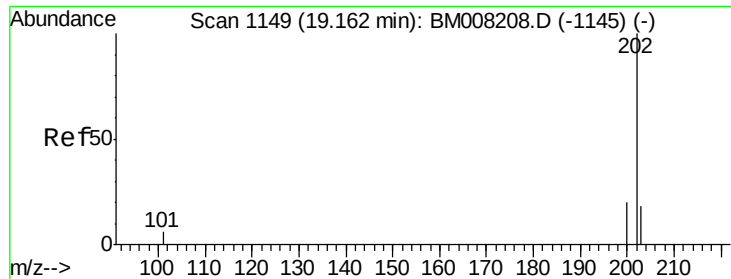


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

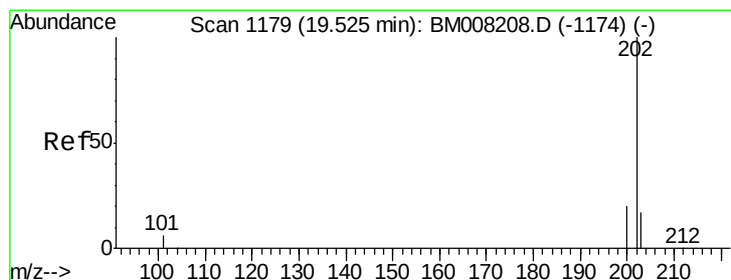
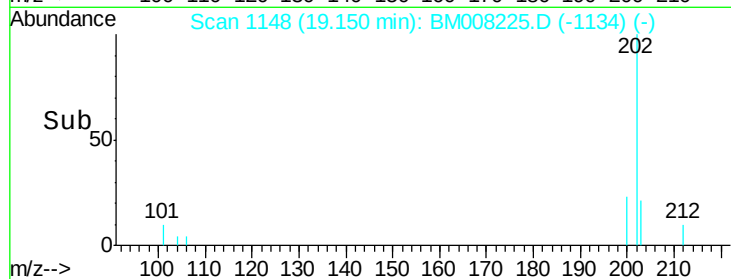
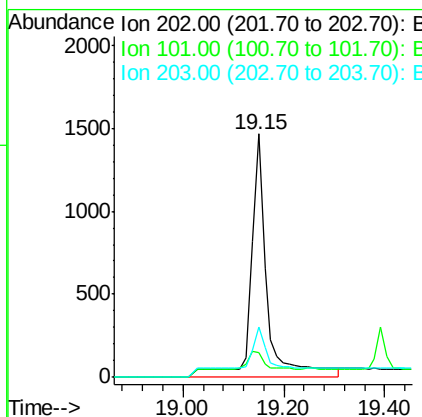
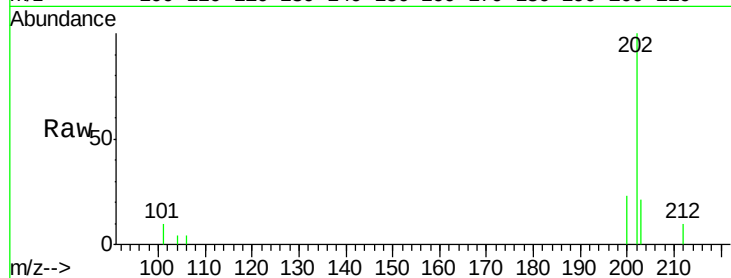




#15
Fluoranthene
Concen: 0.52 ng/ul
RT: 19.15 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BM008225.D
Acq: 10 Dec 2016 10:12

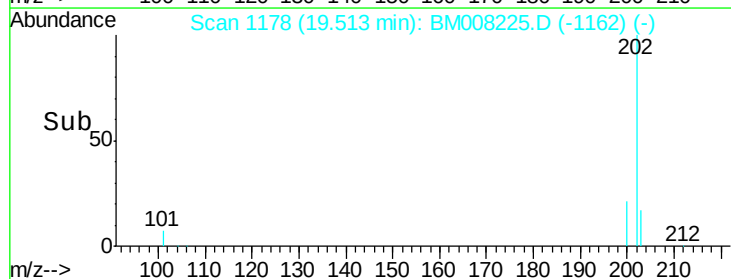
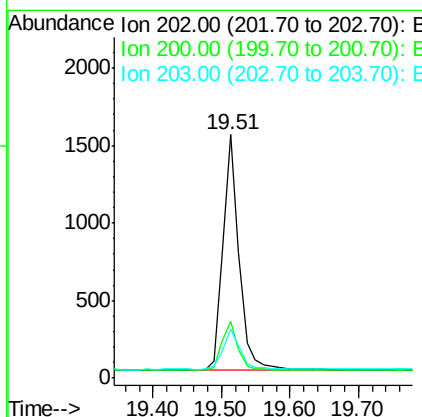
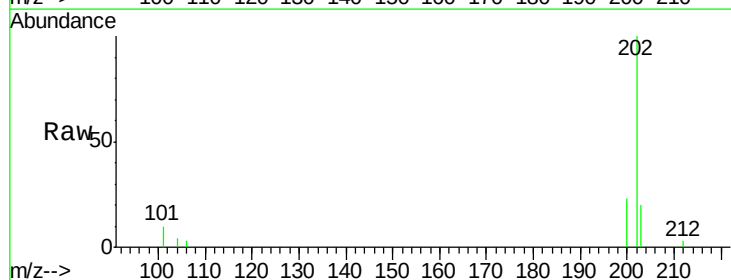
Instrument :
BNA_M
ClientSampleId :
SSTD0.439

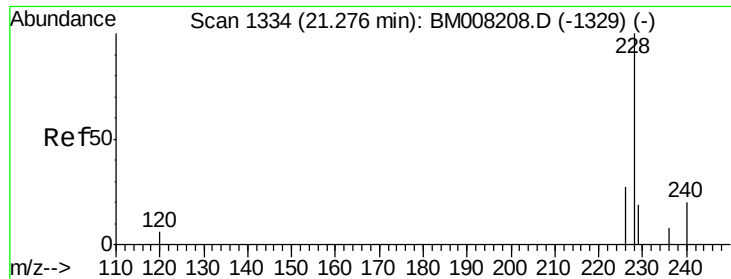
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	30.3
203	20.7	0.0	39.5



#17
Pyrene
Concen: 0.47 ng/ul
RT: 19.51 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BM008225.D
Acq: 10 Dec 2016 10:12

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.3	18.2	27.4
203	20.1	15.6	23.4





#18

Benzo(a)anthracene

Concen: 0.44 ng/ul

RT: 21.27 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BM008225.D

Acq: 10 Dec 2016 10:12

Instrument :

BNA_M

ClientSampleId :

SSTD0.439

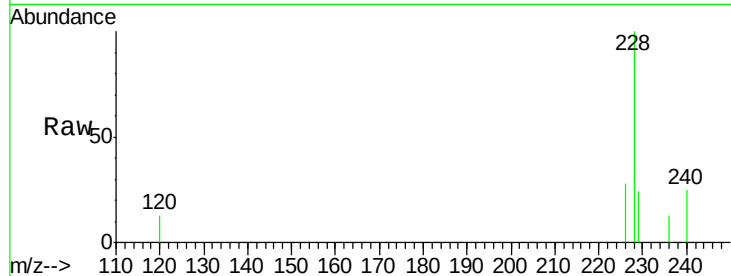
Tot Ion:228 Resp: 2076

Ion Ratio Lower Upper

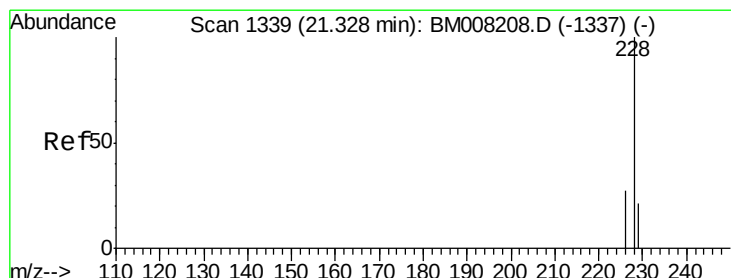
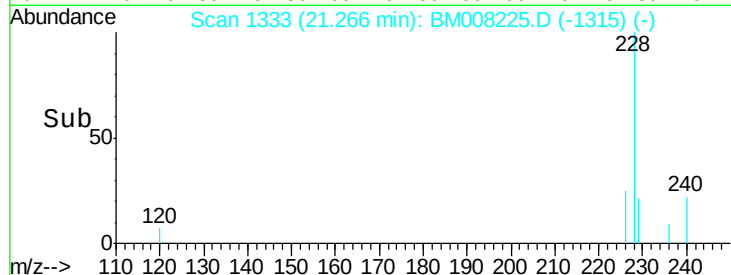
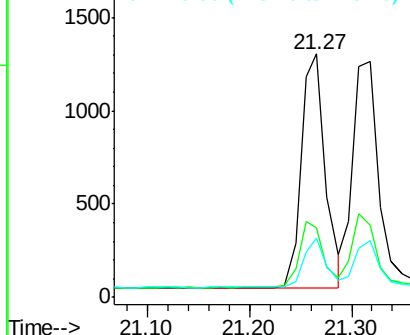
228 100

226 28.4 22.8 34.2

229 24.3 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: 0.38 ng/ul

RT: 21.32 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BM008225.D

Acq: 10 Dec 2016 10:12

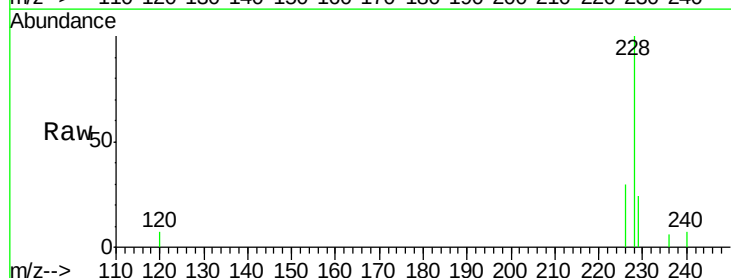
Tgt Ion:228 Resp: 2222

Ion Ratio Lower Upper

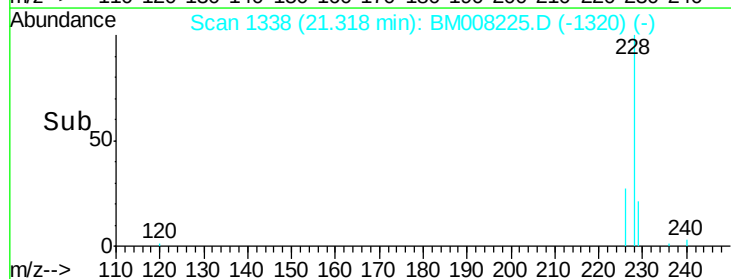
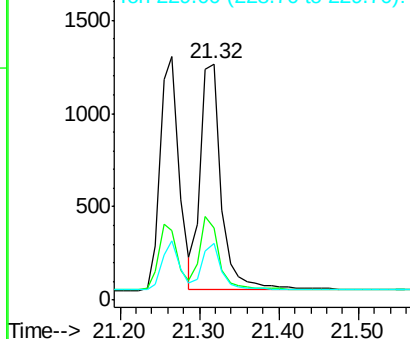
228 100

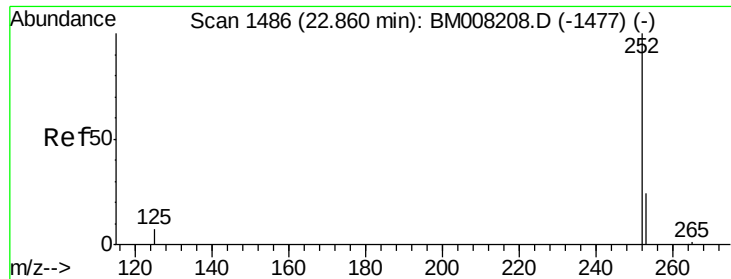
226 30.4 23.4 35.0

229 24.2 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: 0.38 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. -0.02 min

Lab File: BM008225.D

Acq: 10 Dec 2016 10:12

Instrument :

BNA_M

ClientSampleId :

SSTD0.439

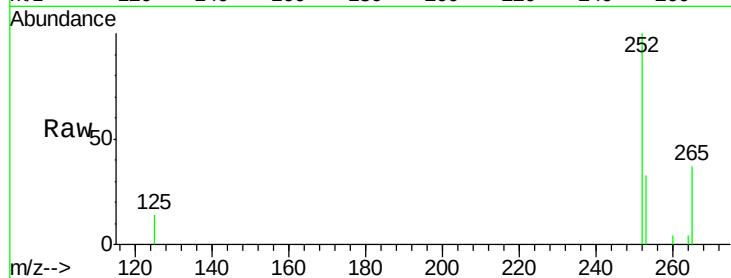
Tot Ion:252 Resp: 2355

Ion Ratio Lower Upper

252 100

253 33.1 0.0 64.2

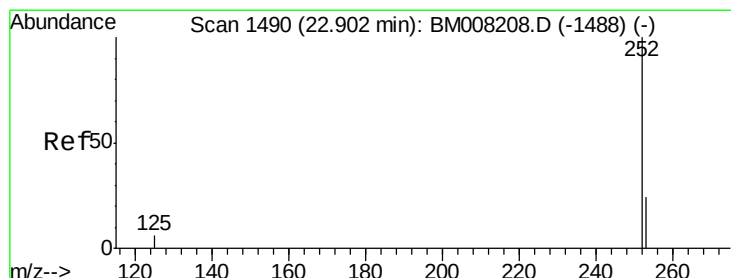
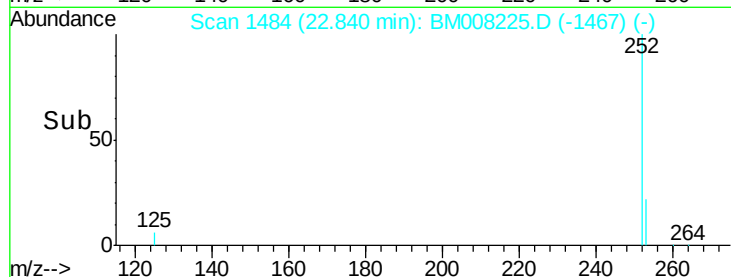
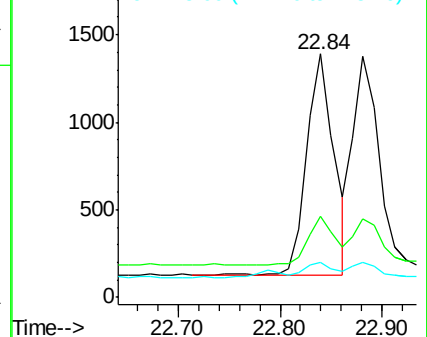
125 14.2 0.0 35.0



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: 0.37 ng/ul

RT: 22.88 min Scan# 1488

Delta R.T. -0.02 min

Lab File: BM008225.D

Acq: 10 Dec 2016 10:12

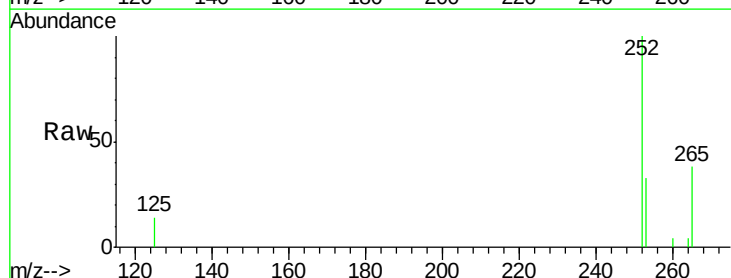
Tgt Ion:252 Resp: 2378

Ion Ratio Lower Upper

252 100

253 32.8 24.5 36.7

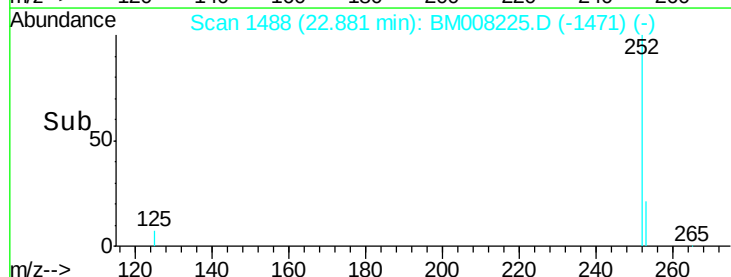
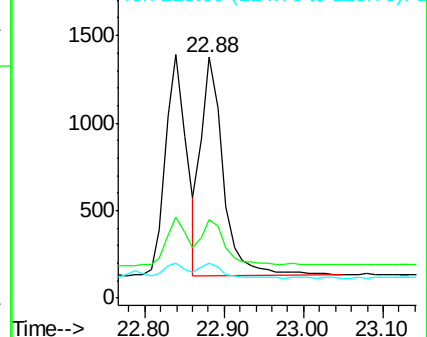
125 14.5 13.7 20.5

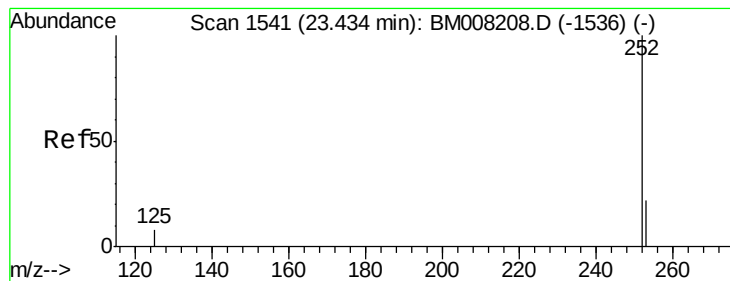


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.39 ng/ul

RT: 23.41 min Scan# 1539

Delta R.T. -0.02 min

Lab File: BM008225.D

Acq: 10 Dec 2016 10:12

Instrument :

BNA_M

ClientSampleId :

SSTD0.439

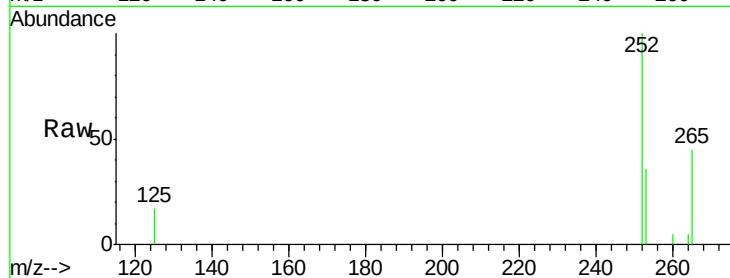
Tot Ion:252 Resp: 2277

Ion Ratio Lower Upper

252 100

253 35.7 28.5 42.7

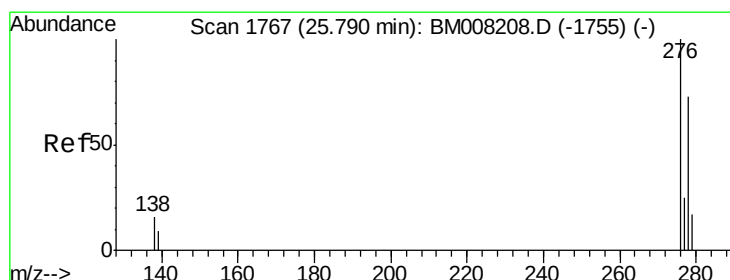
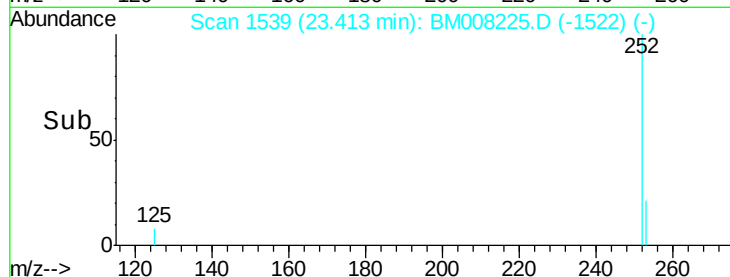
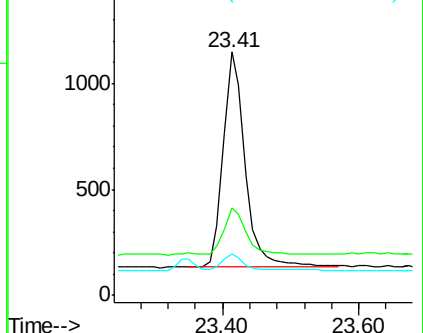
125 17.1 18.1 27.1#



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: 0.39 ng/ul

RT: 25.76 min Scan# 1764

Delta R.T. -0.03 min

Lab File: BM008225.D

Acq: 10 Dec 2016 10:12

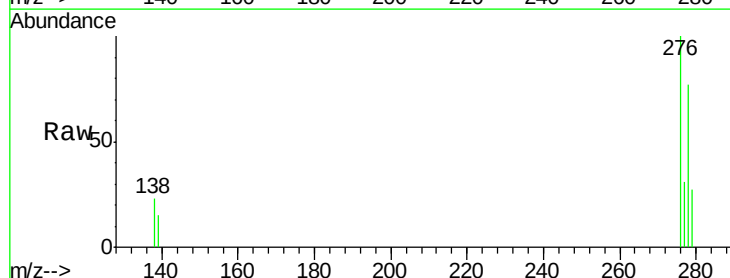
Tgt Ion:276 Resp: 2821

Ion Ratio Lower Upper

276 100

138 17.8 19.1 28.7#

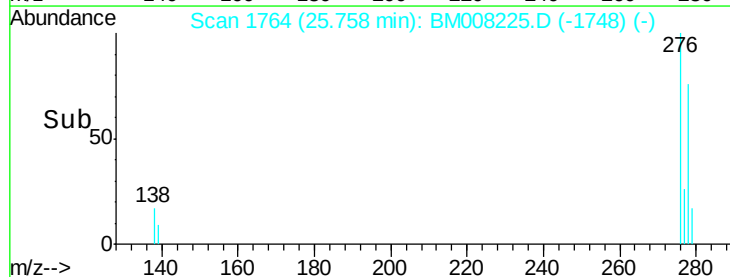
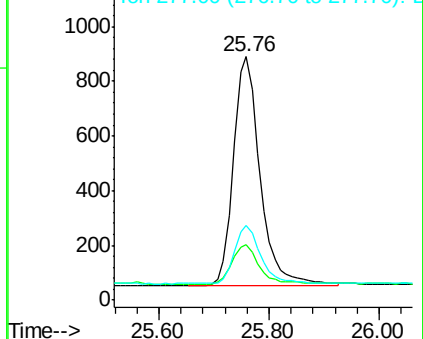
277 25.0 19.6 29.4

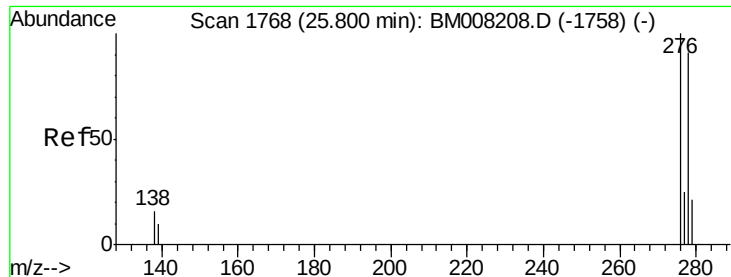


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.39 ng/ul

RT: 25.77 min Scan# 1765

Delta R.T. -0.03 min

Lab File: BM008225.D

Acq: 10 Dec 2016 10:12

Instrument :

BNA_M

ClientSampleId :

SSTD0.439

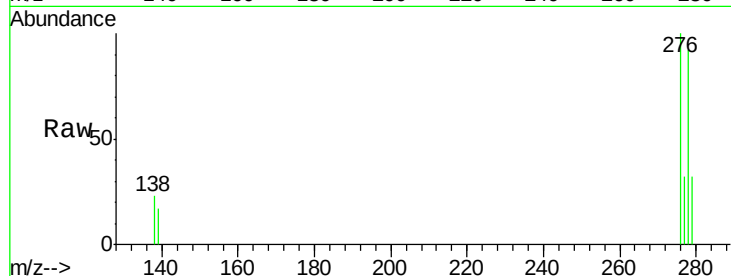
Tot Ion:278 Resp: 2273

Ion Ratio Lower Upper

278 100

139 18.2 17.4 26.0

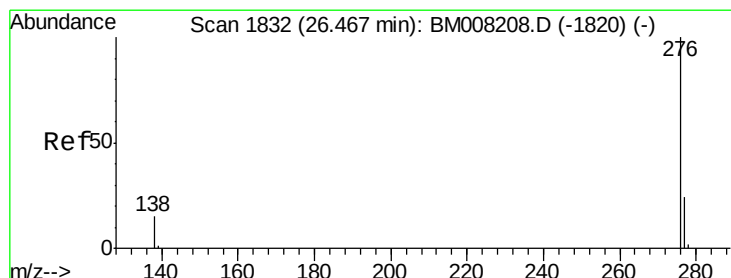
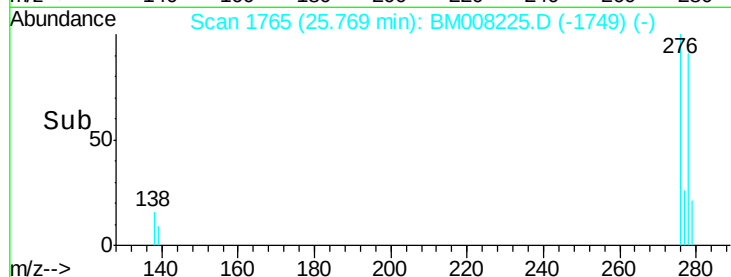
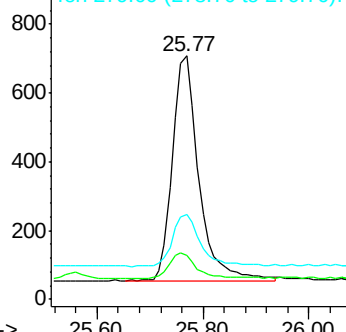
279 34.9 25.9 38.9



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#26

Benzo(g,h,i)perylene

Concen: 0.38 ng/ul

RT: 26.45 min Scan# 1830

Delta R.T. -0.02 min

Lab File: BM008225.D

Acq: 10 Dec 2016 10:12

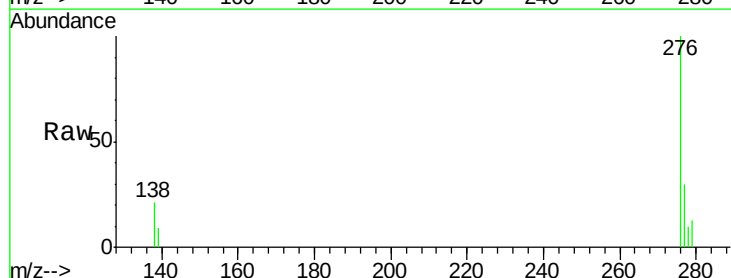
Tgt Ion:276 Resp: 2441

Ion Ratio Lower Upper

276 100

277 29.8 21.8 32.8

138 20.8 20.5 30.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

