

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120916\
 Data File : BM008210.D
 Acq On : 09 Dec 2016 18:04
 Operator : UM/SJ
 Sample : H5863-06
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA7Y5

Quant Time: Dec 10 00:44:41 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 00:42:03 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	716	0.40	ng/ul	-0.03
2) Naphthalene-d8	10.46	136	2296	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.33	164	1458	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.07	188	2491	0.40	ng/ul	-0.02
16) Chrysene-d12	21.27	240	2680	0.40	ng/ul	-0.01
20) Perylene-d12	23.50	264	2408	0.40	ng/ul	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.06	152	745	0.23	ng/ul	-0.04
14) Fluoranthene-d10	19.11	212	3367	0.48	ng/ul	-0.02

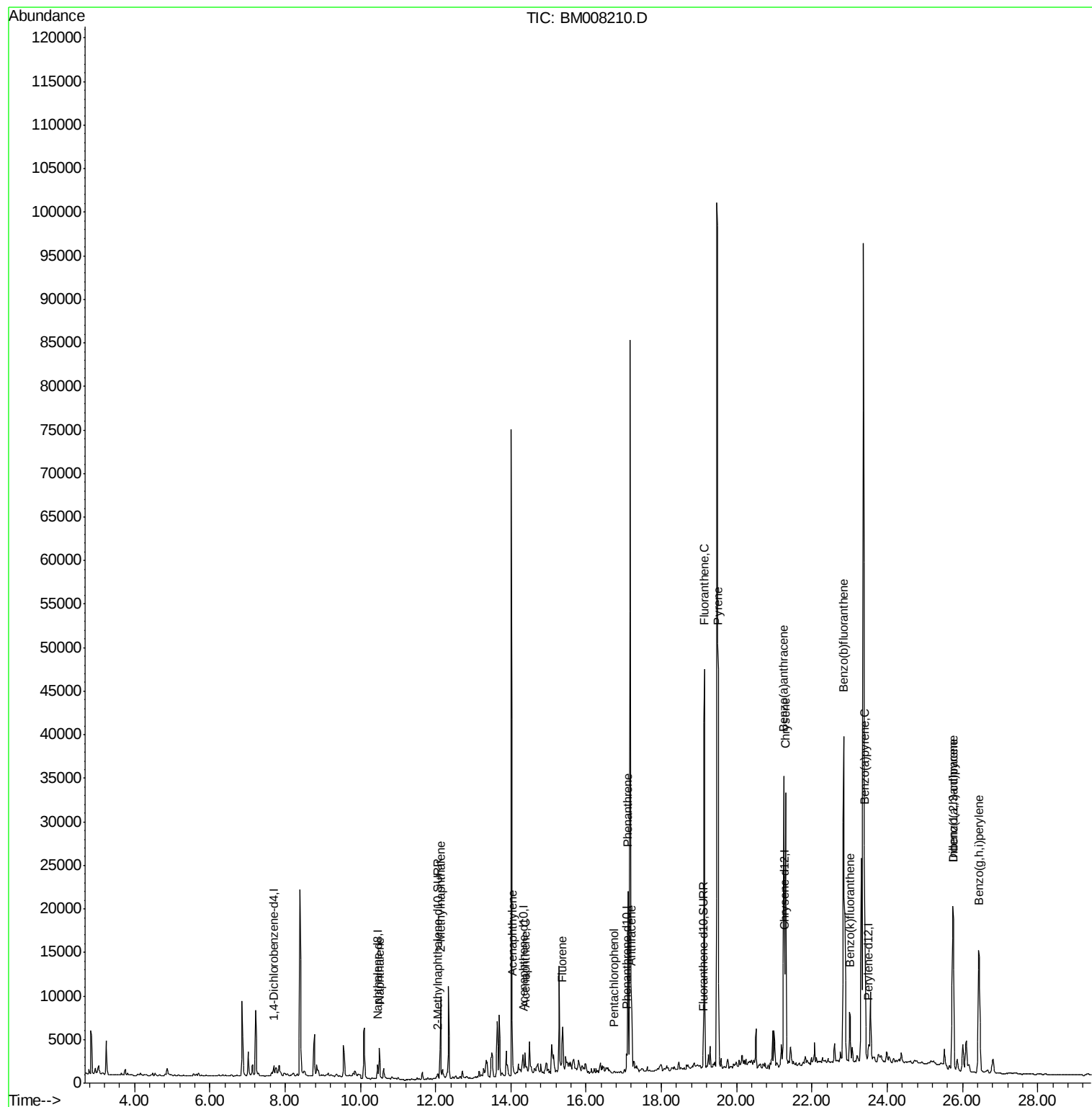
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.51	128	4983	0.78	ng/ul	98
5) 2-Methylnaphthalene	12.13	142	7338	1.77	ng/ul	98
7) Acenaphthylene	14.04	152	5573	0.84	ng/ul#	95
8) Acenaphthene	14.38	153	1385	0.28	ng/ul	96
9) Fluorene	15.38	166	3979	0.69	ng/ul#	81
11) Pentachlorophenol	16.75	266	73	0.08	ng/ul#	87
12) Phenanthrene	17.11	178	23438	3.02	ng/ul	97
13) Anthracene	17.21	178	10502	1.44	ng/ul	95
15) Fluoranthene	19.14	202	51124	5.10	ng/ul	95
17) Pyrene	19.51	202	46920	5.04	ng/ul	96
18) Benzo(a)anthracene	21.25	228	31062	3.78	ng/ul	97
19) Chrysene	21.30	228	33513	3.28	ng/ul	94
21) Benzo(b)fluoranthene	22.84	252	81066	8.44	ng/ul	84
22) Benzo(k)fluoranthene	23.00	252	7877	0.79	ng/ul	97
23) Benzo(a)pyrene	23.41	252	34657	3.85	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	25.74	276	31493	2.83	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.74	278	8669	0.97	ng/ul	98
26) Benzo(g,h,i)perylene	26.43	276	31583	3.20	ng/ul#	90

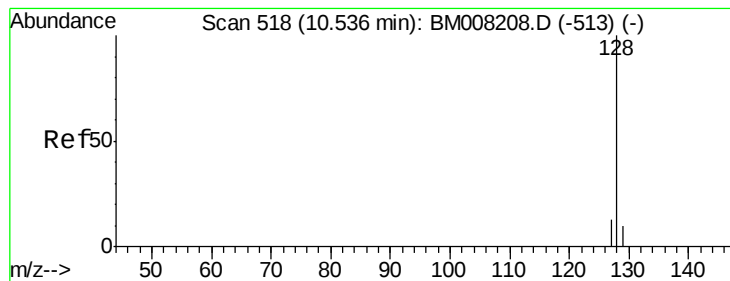
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.78 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.02 min

Lab File: BM008210.D

Acq: 09 Dec 2016 18:04

Instrument :

BNA_M

ClientSampleId :

DA7Y5

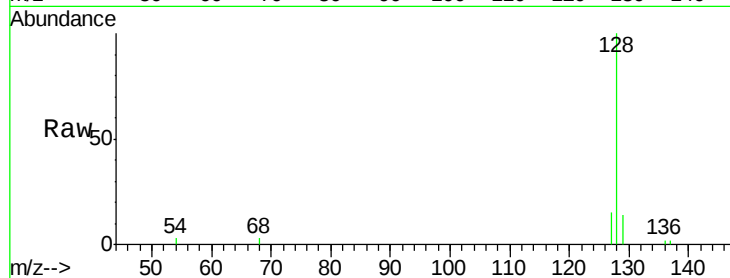
Tgt Ion:128 Resp: 4983

Ion Ratio Lower Upper

128 100

129 13.6 11.3 16.9

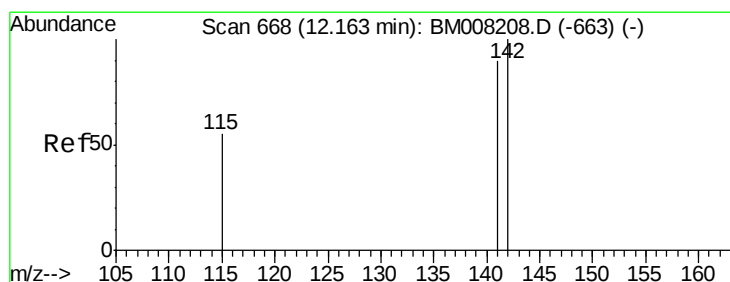
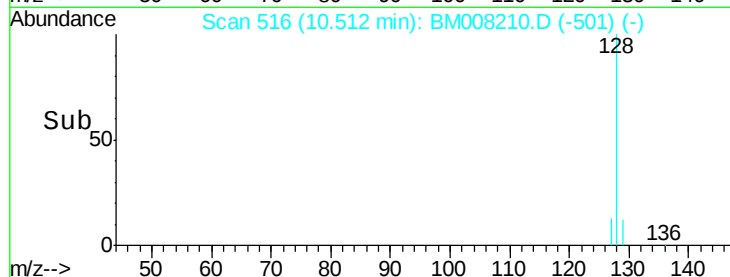
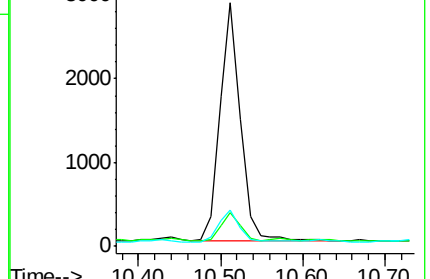
127 14.8 12.8 19.2



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: 1.77 ng/ul

RT: 12.13 min Scan# 665

Delta R.T. -0.03 min

Lab File: BM008210.D

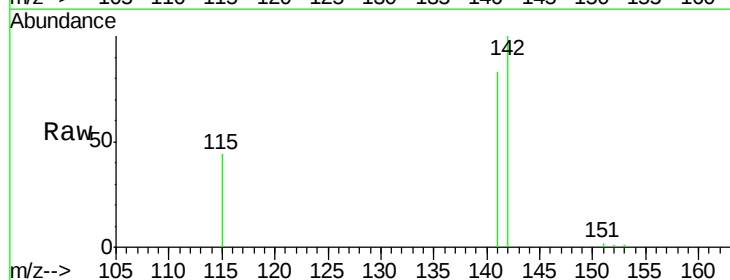
Acq: 09 Dec 2016 18:04

Tgt Ion:142 Resp: 7338

Ion Ratio Lower Upper

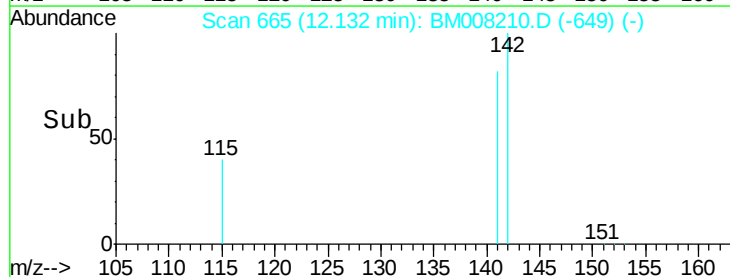
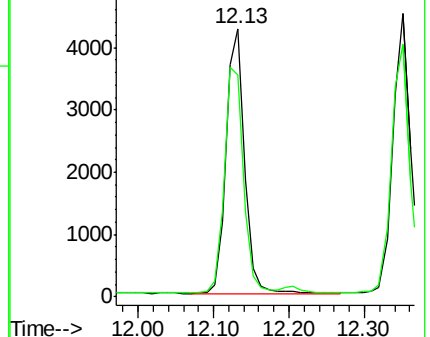
142 100

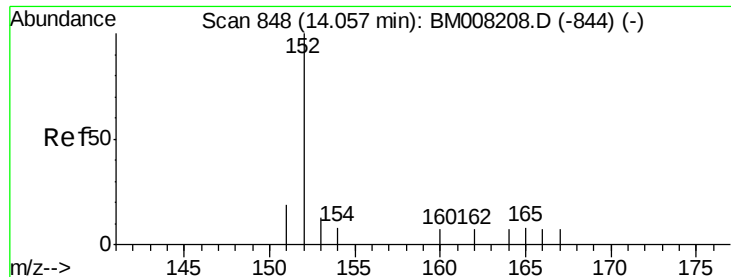
141 88.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.84 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.02 min

Lab File: BM008210.D

Acq: 09 Dec 2016 18:04

Instrument :

BNA_M

ClientSampleId :

DA7Y5

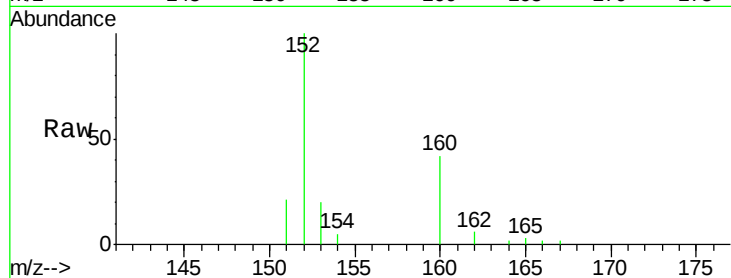
Tgt Ion:152 Resp: 5573

Ion Ratio Lower Upper

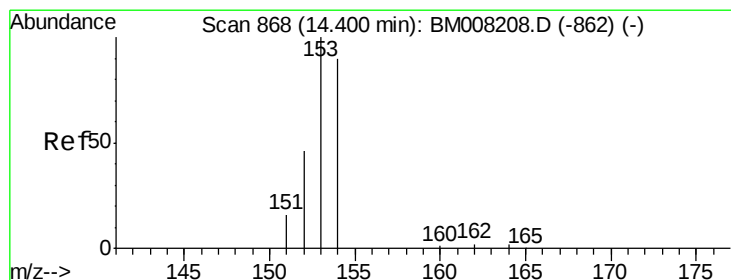
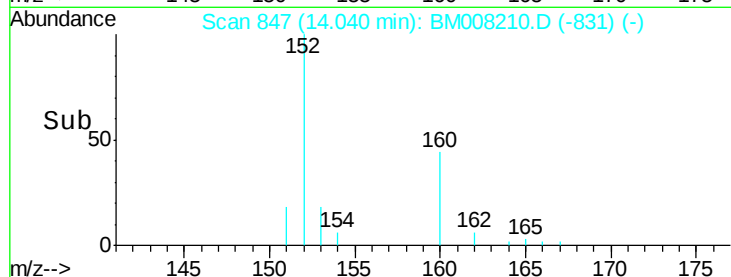
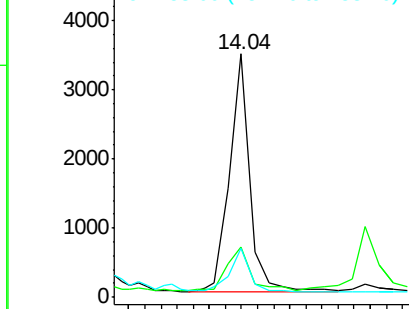
152 100

151 20.6 17.1 25.7

153 20.0 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: 0.28 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. -0.02 min

Lab File: BM008210.D

Acq: 09 Dec 2016 18:04

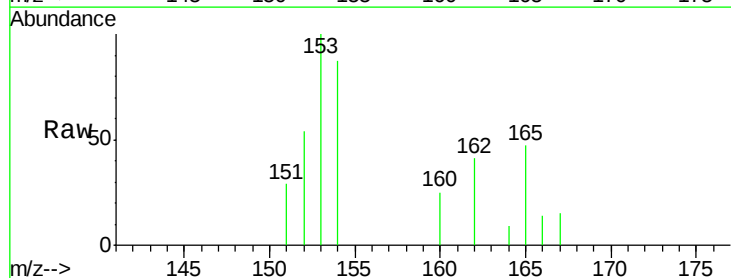
Tgt Ion:153 Resp: 1385

Ion Ratio Lower Upper

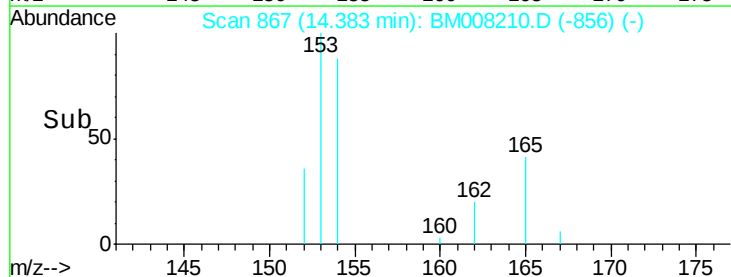
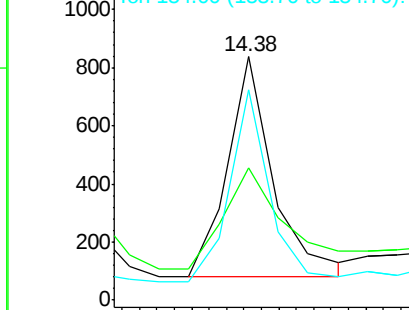
153 100

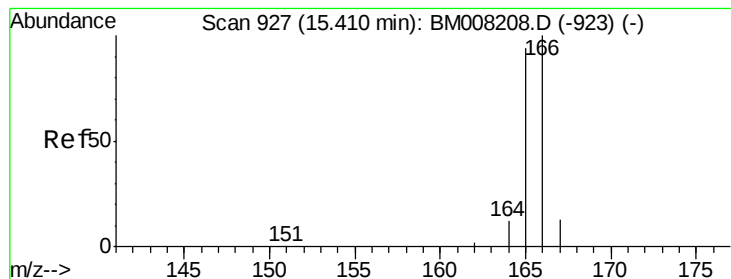
152 54.4 40.3 60.5

154 86.6 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: 0.69 ng/ul

RT: 15.38 min Scan# 925

Delta R.T. -0.03 min

Lab File: BM008210.D

Acq: 09 Dec 2016 18:04

Instrument :

BNA_M

ClientSampleId :

DA7Y5

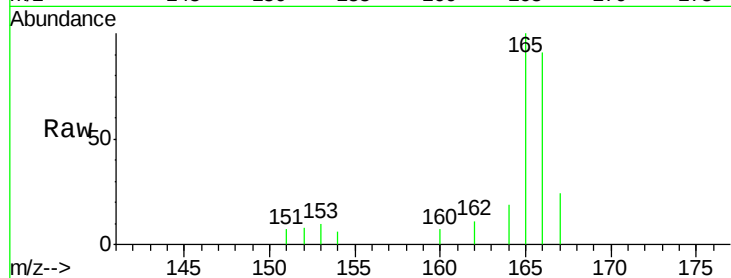
Tgt Ion:166 Resp: 3979

Ion Ratio Lower Upper

166 100

165 109.8 73.4 110.2

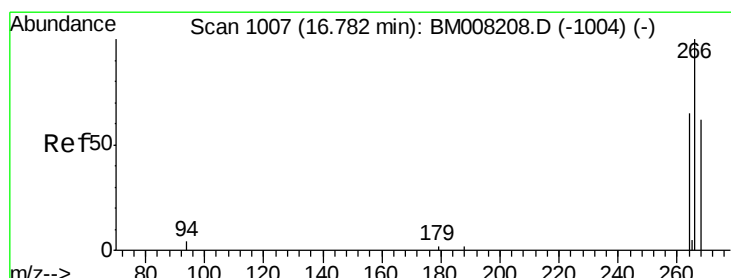
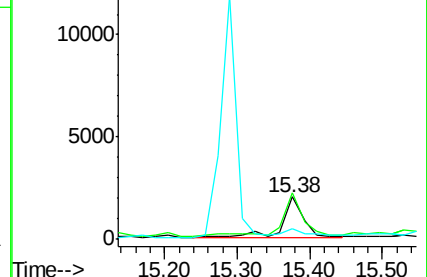
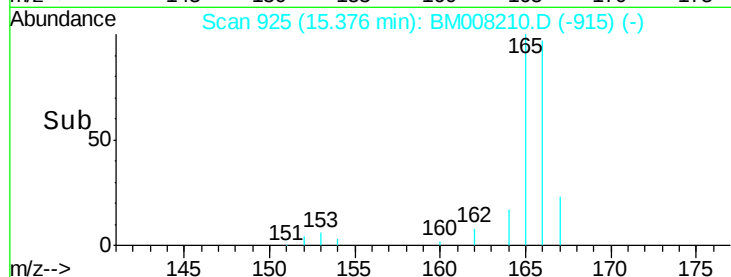
167 25.9 14.6 22.0#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#11

Pentachlorophenol

Concen: 0.08 ng/ul

RT: 16.75 min Scan# 1005

Delta R.T. -0.03 min

Lab File: BM008210.D

Acq: 09 Dec 2016 18:04

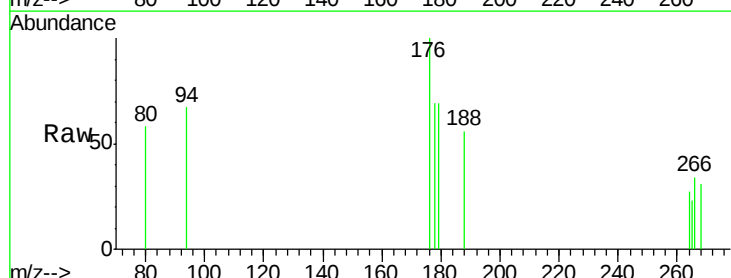
Tgt Ion:266 Resp: 73

Ion Ratio Lower Upper

266 100

264 64.4 47.9 71.9

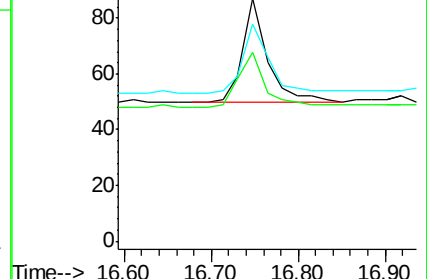
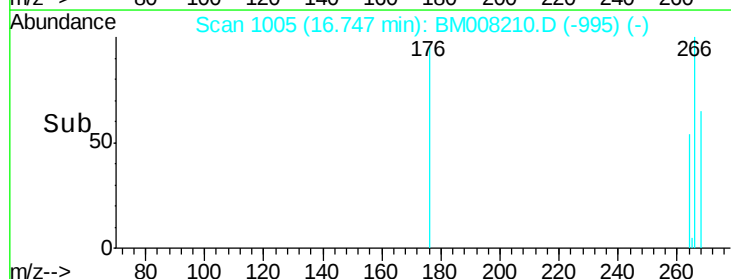
268 78.1 49.8 74.8#

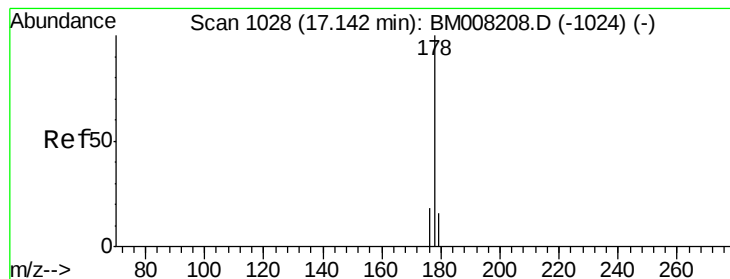


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 3.02 ng/ul

RT: 17.11 min Scan# 1026

Delta R.T. -0.03 min

Lab File: BM008210.D

Acq: 09 Dec 2016 18:04

Instrument :

BNA_M

ClientSampleId :

DA7Y5

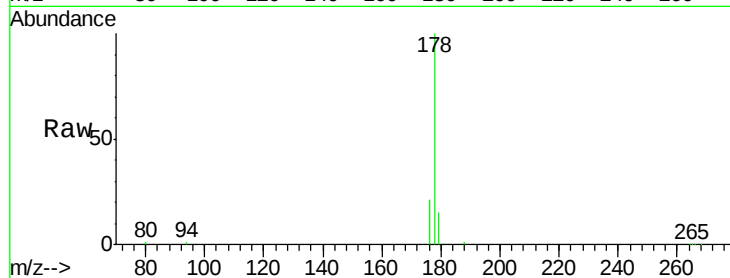
Tgt Ion:178 Resp: 23438

Ion Ratio Lower Upper

178 100

176 21.4 18.4 27.6

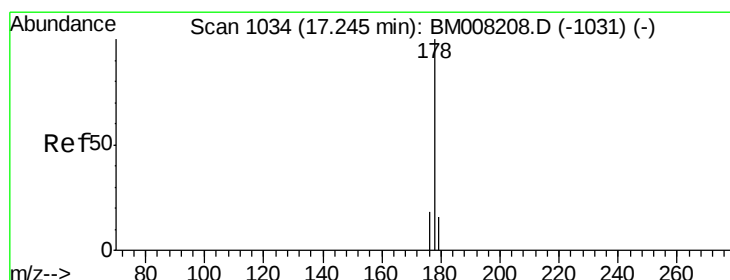
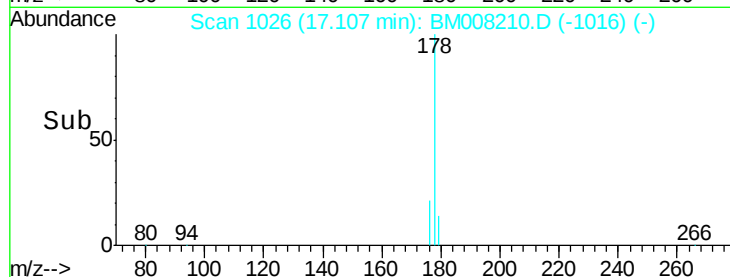
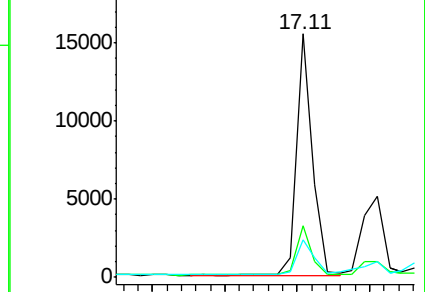
179 15.4 13.6 20.4



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: 1.44 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. -0.03 min

Lab File: BM008210.D

Acq: 09 Dec 2016 18:04

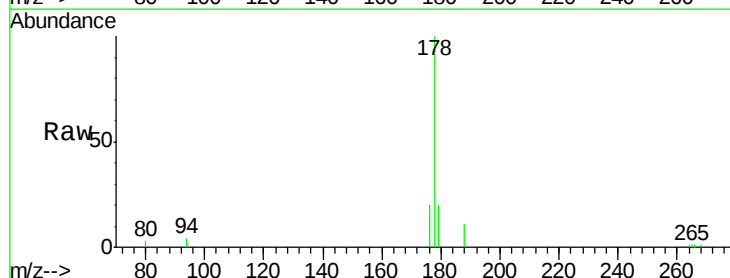
Tgt Ion:178 Resp: 10502

Ion Ratio Lower Upper

178 100

176 19.7 18.1 27.1

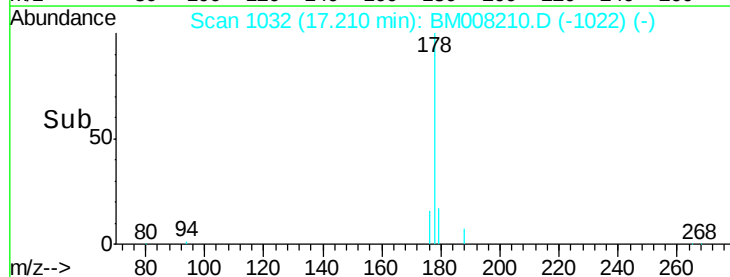
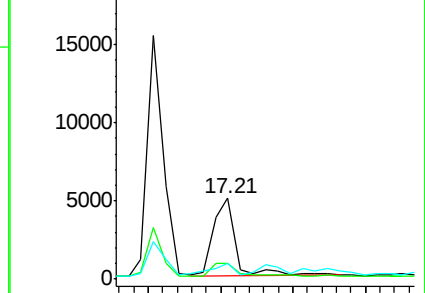
179 19.7 14.7 22.1

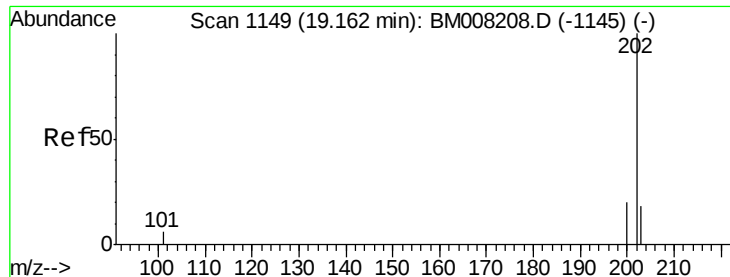


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

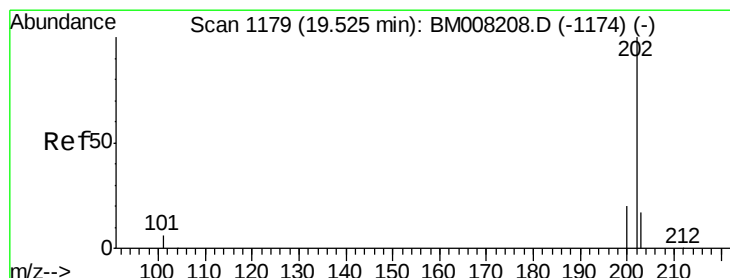
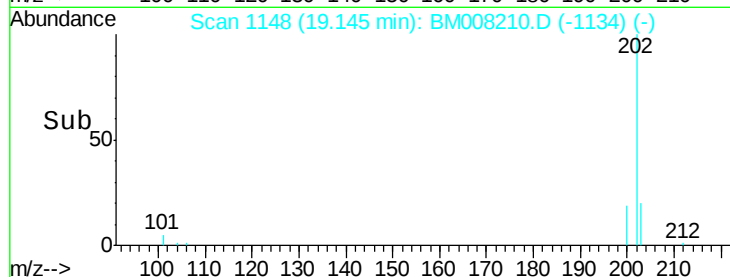
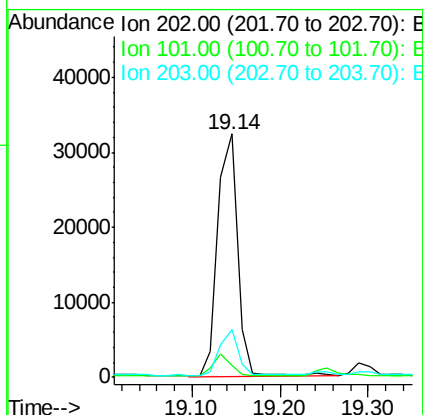
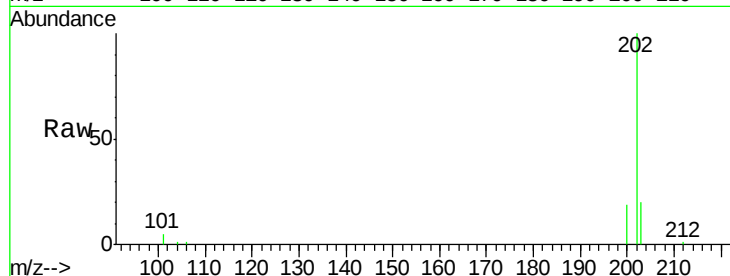




#15
 Fluoranthene
 Concen: 5.10 ng/ul
 RT: 19.14 min Scan# 1148
 Delta R.T. -0.02 min
 Lab File: BM008210.D
 Acq: 09 Dec 2016 18:04

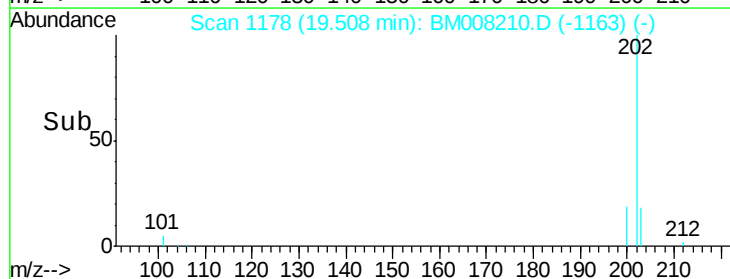
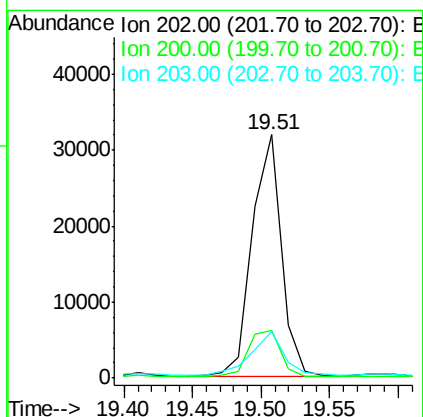
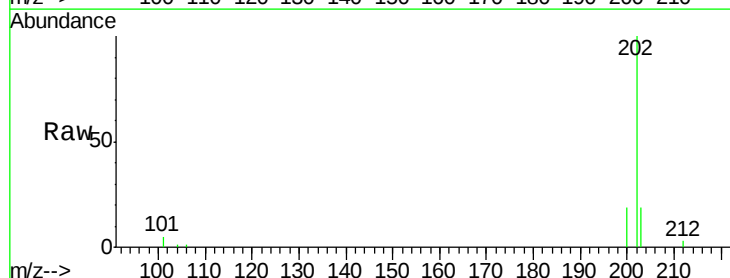
Instrument :
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 DA7Y5

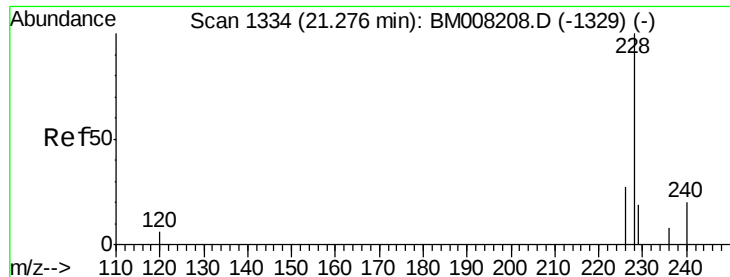
Tgt Ion: 202 Resp: 51124
 Ion Ratio Lower Upper
 202 100
 101 4.7 0.0 30.3
 203 19.6 0.0 39.5



#17
 Pyrene
 Concen: 5.04 ng/ul
 RT: 19.51 min Scan# 1178
 Delta R.T. -0.02 min
 Lab File: BM008210.D
 Acq: 09 Dec 2016 18:04

Tgt Ion: 202 Resp: 46920
 Ion Ratio Lower Upper
 202 100
 200 19.4 18.2 27.4
 203 19.3 15.6 23.4





#18

Benzo(a)anthracene

Concen: 3.78 ng/ul

RT: 21.25 min Scan# 1332

Delta R.T. -0.02 min

Lab File: BM008210.D

Acq: 09 Dec 2016 18:04

Instrument :

BNA_M

ClientSampleId :

DA7Y5

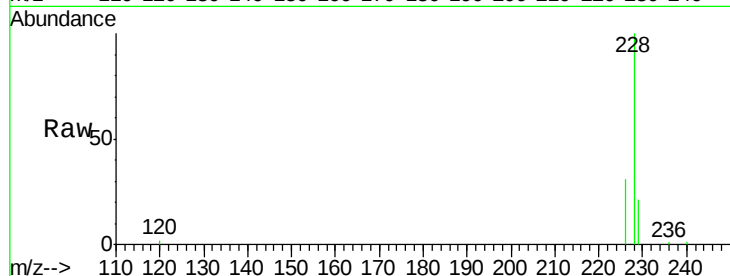
Tgt Ion:228 Resp: 31062

Ion Ratio Lower Upper

228 100

226 30.9 22.8 34.2

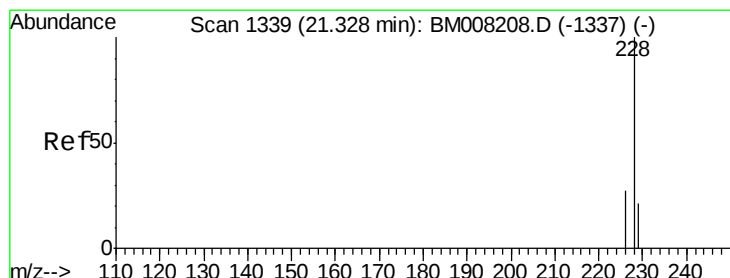
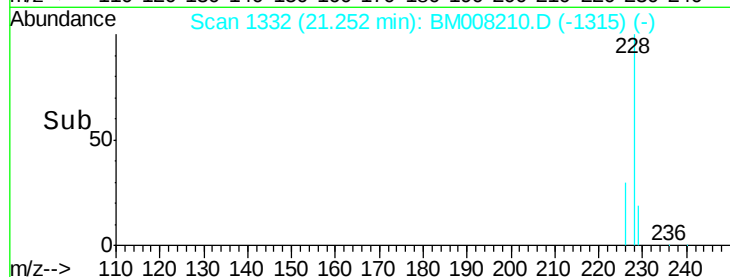
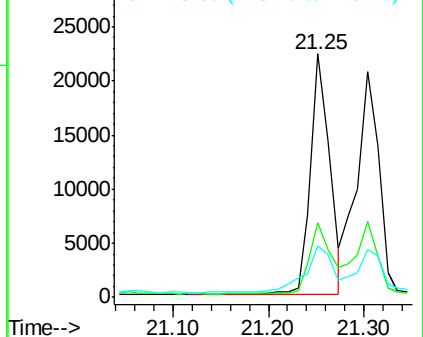
229 21.2 17.0 25.6



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: 3.28 ng/ul

RT: 21.30 min Scan# 1337

Delta R.T. -0.02 min

Lab File: BM008210.D

Acq: 09 Dec 2016 18:04

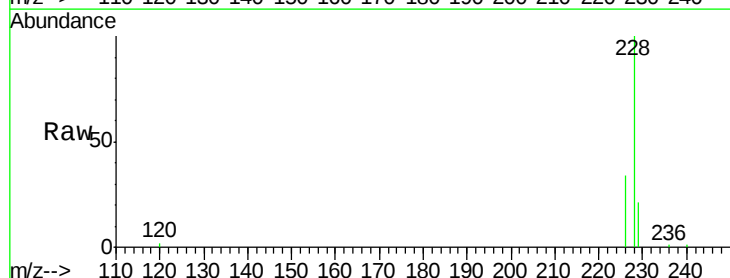
Tgt Ion:228 Resp: 33513

Ion Ratio Lower Upper

228 100

226 33.8 23.4 35.0

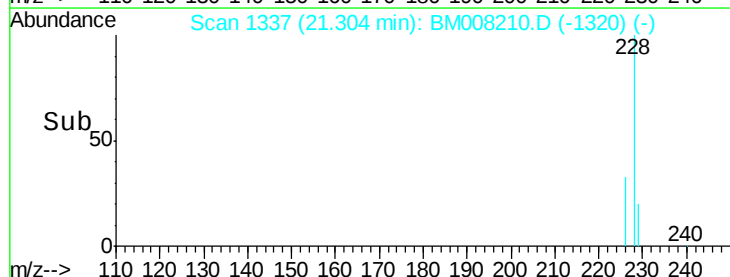
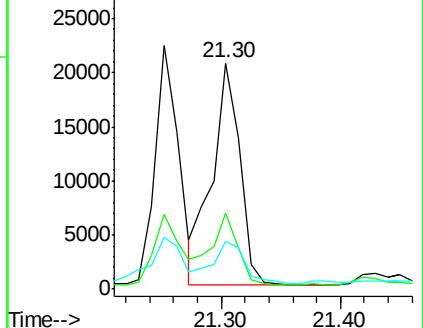
229 21.3 17.7 26.5

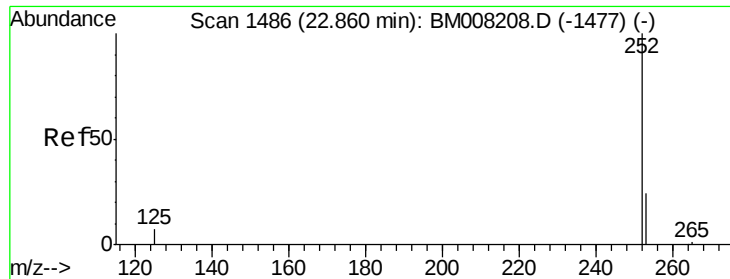


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 8.44 ng/u1

RT: 22.84 min Scan# 1484

Delta R.T. -0.02 min

Lab File: BM008210.D

Acq: 09 Dec 2016 18:04

Instrument :

BNA_M

ClientSampleId :

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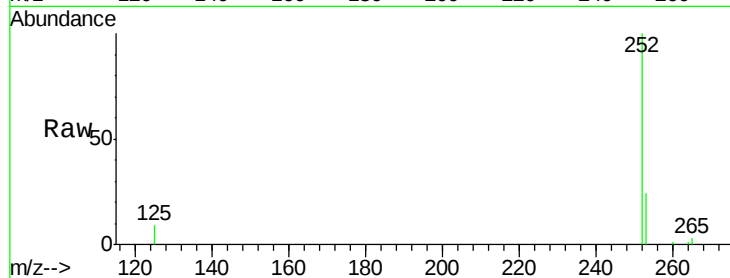
Tgt Ion:252 Resp: 81066

Ion Ratio Lower Upper

252 100

253 23.8 0.0 64.2

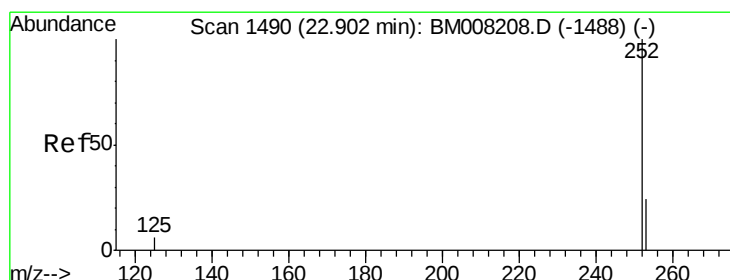
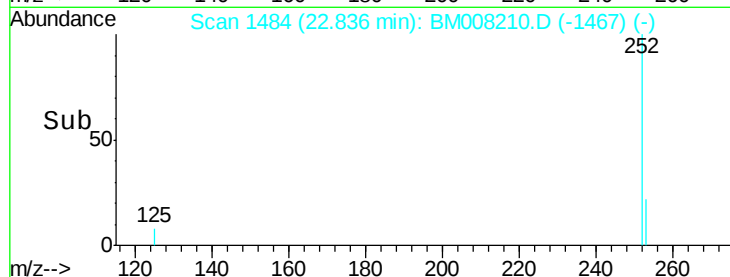
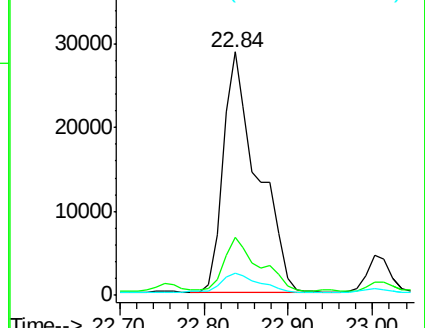
125 9.0 0.0 35.0



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: 0.79 ng/u1

RT: 23.00 min Scan# 1500

Delta R.T. 0.10 min

Lab File: BM008210.D

Acq: 09 Dec 2016 18:04

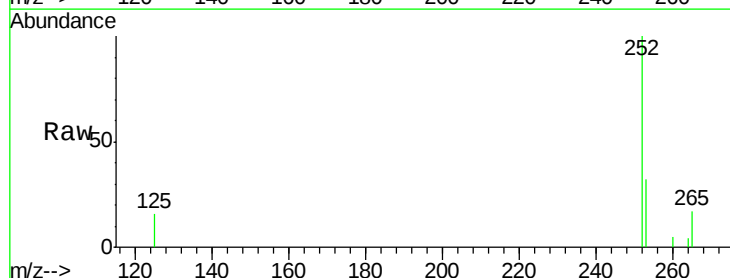
Tgt Ion:252 Resp: 7877

Ion Ratio Lower Upper

252 100

253 32.5 24.5 36.7

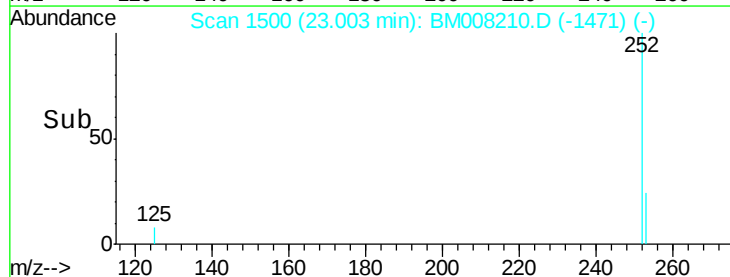
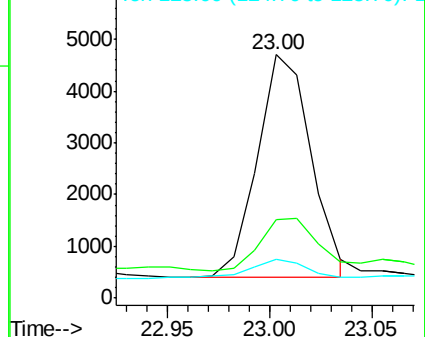
125 16.0 13.7 20.5

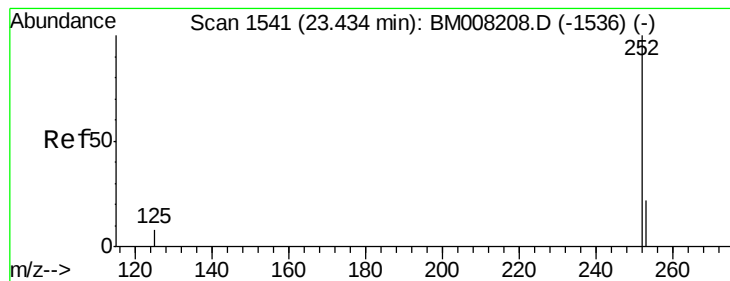


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 3.85 ng/ul

RT: 23.41 min Scan# 1539

Delta R.T. -0.02 min

Lab File: BM008210.D

Acq: 09 Dec 2016 18:04

Instrument :

BNA_M

ClientSampleId :

DA7Y5

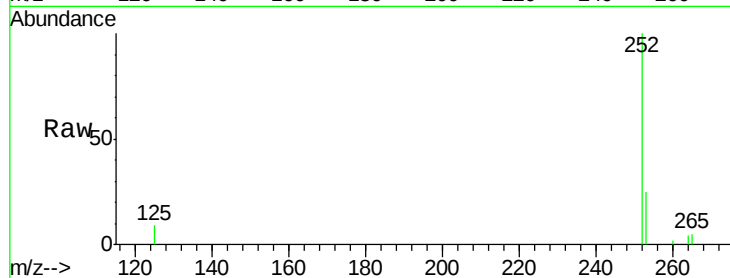
Tgt Ion:252 Resp: 34657

Ion Ratio Lower Upper

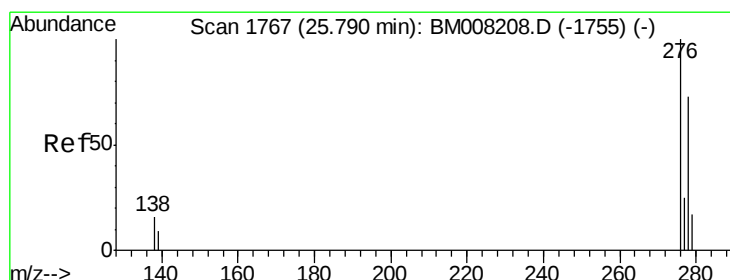
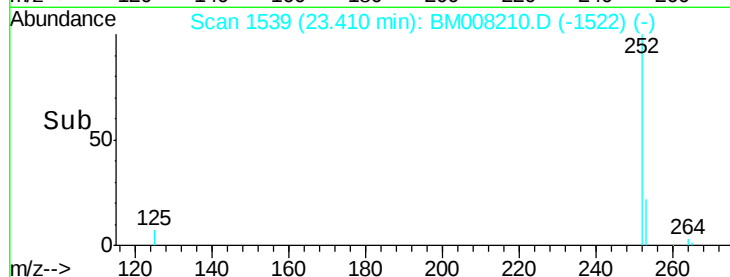
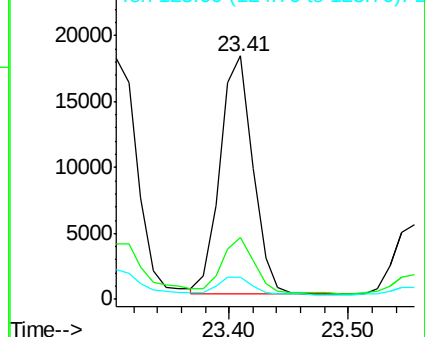
252 100

253 25.3 28.5 42.7#

125 9.3 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: 2.83 ng/ul

RT: 25.74 min Scan# 1763

Delta R.T. -0.05 min

Lab File: BM008210.D

Acq: 09 Dec 2016 18:04

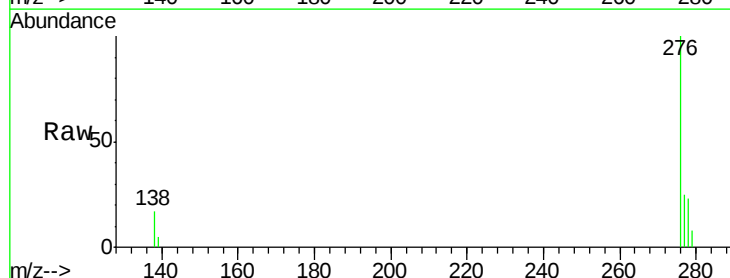
Tgt Ion:276 Resp: 31493

Ion Ratio Lower Upper

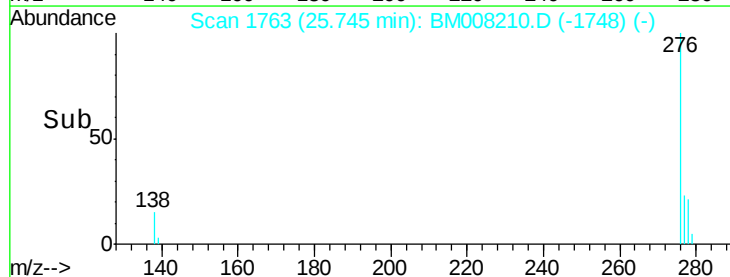
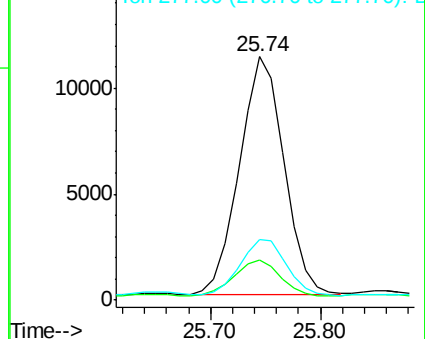
276 100

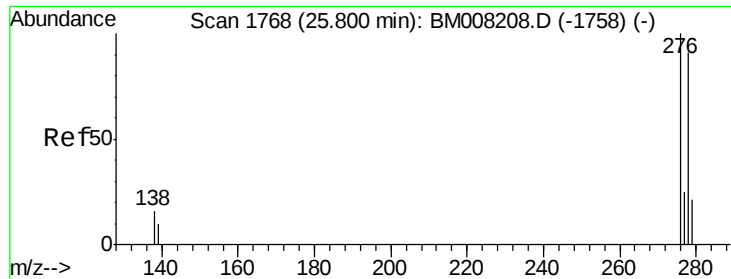
138 15.4 19.1 28.7#

277 24.0 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

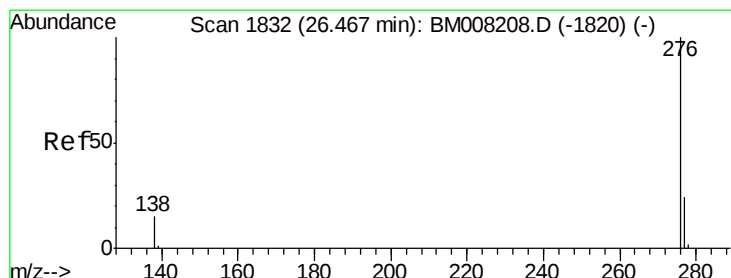
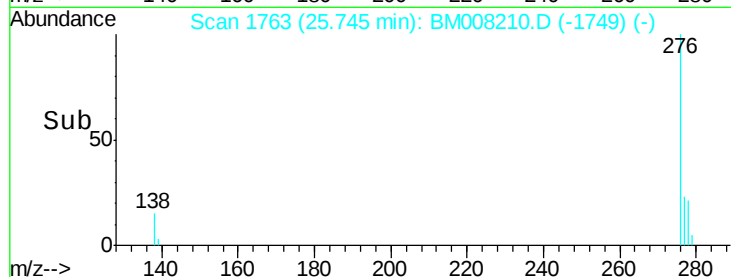
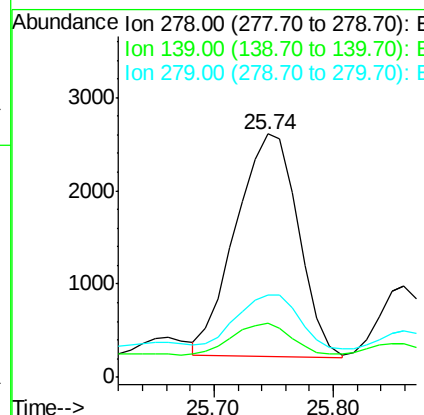
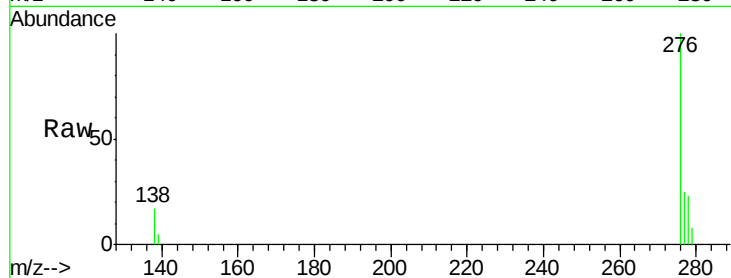




#25
 Dibenzo(a,h)anthracene
 Concen: 0.97 ng/ul
 RT: 25.74 min Scan# 1763
 Delta R.T. -0.06 min
 Lab File: BM008210.D
 Acq: 09 Dec 2016 18:04

Instrument :
 BNA_M
 ClientSampleId :
 DA7Y5

Tgt Ion: 278 Resp: 8669
 Ion Ratio Lower Upper
 278 100
 139 22.3 17.4 26.0
 279 33.9 25.9 38.9



#26
 Benzo(g,h,i)perylene
 Concen: 3.20 ng/ul
 RT: 26.43 min Scan# 1829
 Delta R.T. -0.03 min
 Lab File: BM008210.D
 Acq: 09 Dec 2016 18:04

Tgt Ion: 276 Resp: 31583
 Ion Ratio Lower Upper
 276 100
 277 24.9 21.8 32.8
 138 17.1 20.5 30.7#

