

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
 Data File : BM002436.D
 Acq On : 15 Aug 2015 22:04
 Operator : UM/IZ
 Sample : G3219-03
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 17 05:18:39 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 17 05:12:59 2015
 Response via : Initial Calibration

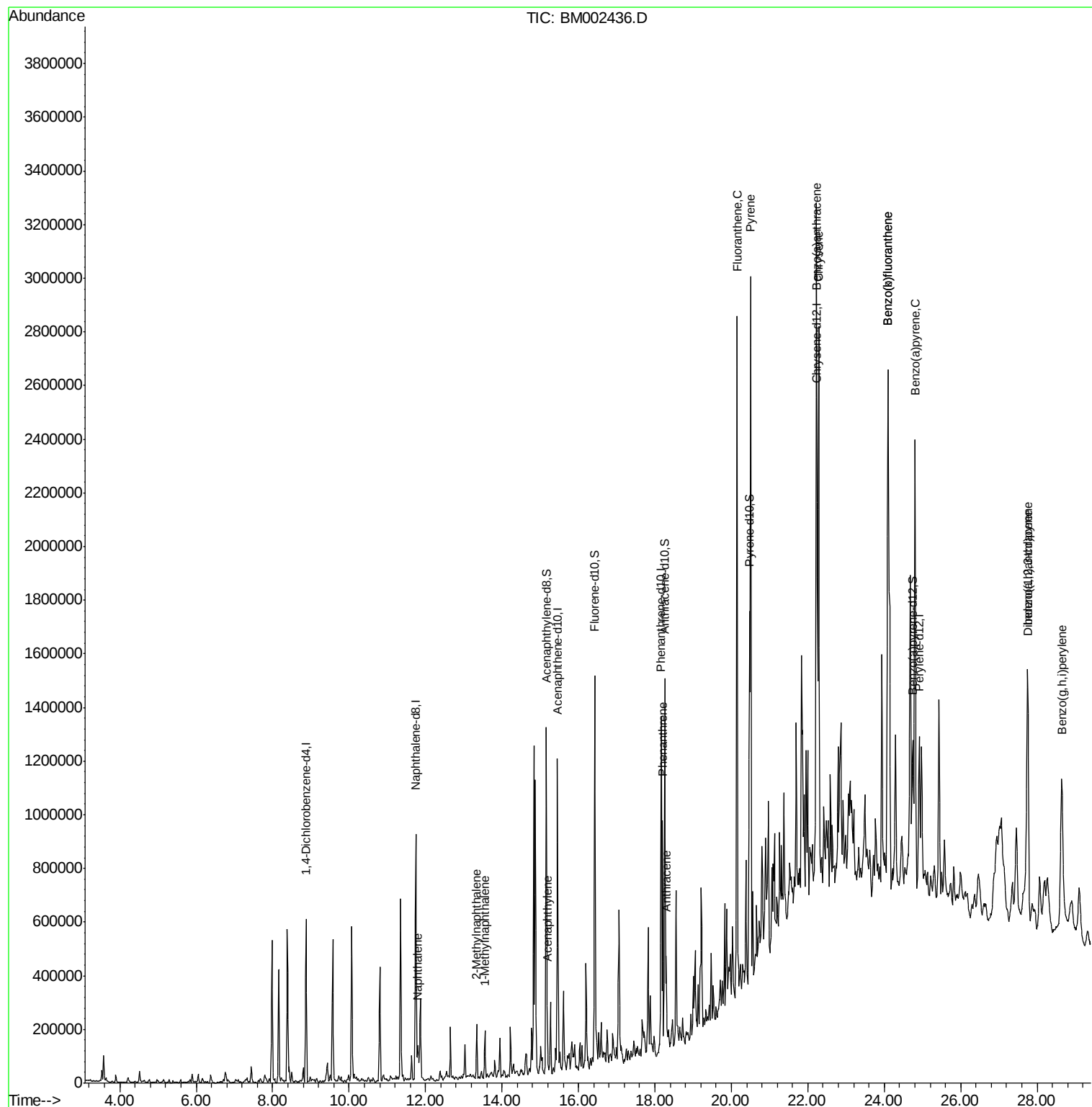
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	182056	20.00	ng/ul	0.00
2) Naphthalene-d8	11.75	136	819838	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.45	164	416638	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.16	188	753500	20.00	ng/ul	0.00
17) Chrysene-d12	22.24	240	502029	20.00	ng/ul	0.01
22) Perylene-d12	24.91	264	514064	20.00	ng/ul	0.02
System Monitoring Compounds						
7) Acenaphthylene-d8	15.16	160	980823	23.03	ng/ul	0.00
10) Fluorene-d10	16.43	176	627725	20.98	ng/ul	0.00
14) Anthracene-d10	18.26	188	795788	21.89	ng/ul	0.00
18) Pyrene-d10	20.47	212	610865	27.45	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.74	264	513098	19.00	ng/ul	0.02
Target Compounds						Ovalue
3) Naphthalene	11.79	128	116684	2.79	ng/ul	99
4) 2-Methylnaphthalene	13.33	142	100280	3.20	ng/ul	99
5) 1-Methylnaphthalene	13.55	142	82268	2.65	ng/ul	98
8) Acenaphthylene	15.19	152	80476	1.80	ng/ul	97
13) Phenanthrene	18.20	178	523327	12.03	ng/ul	100
15) Anthracene	18.29	178	198348	4.50	ng/ul	98
16) Fluoranthene	20.15	202	1574655	31.97	ng/ul	99
19) Pyrene	20.50	202	1519633	51.67	ng/ul	100
20) Benzo(a)anthracene	22.22	228	1318414	43.92	ng/ul	98
21) Chrysene	22.29	228	1276382	45.46	ng/ul	96
23) Benzo(b)fluoranthene	24.10	252	1988040	63.97	ng/ul	98
24) Benzo(k)fluoranthene	24.10	252	463452	15.74	ng/ul	98
26) Benzo(a)pyrene	24.80	252	1402647	47.25	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	27.76	276	961698	28.17	ng/ul	95
28) Dibenzo(a,h)anthracene	27.74	278	293242	10.28	ng/ul#	85
29) Benzo(a,h,i)perylene	28.64	276	792002	27.87	ng/ul	98

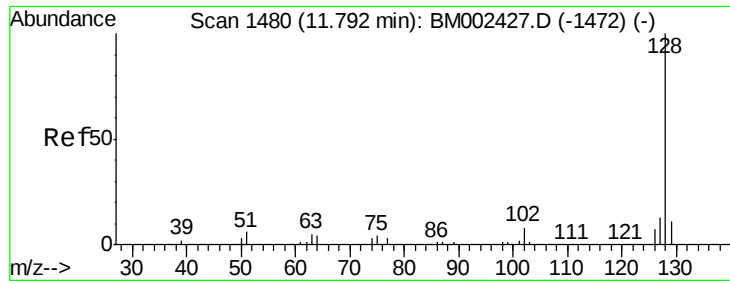
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
Data File : BM002436.D
Acq On : 15 Aug 2015 22:04
Operator : UM/IZ
Sample : G3219-03
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: Aug 17 05:18:39 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081415MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 17 05:12:59 2015
Response via : Initial Calibration





#3

Naphthalene

Concen: 2.79 ng/ul

RT: 11.79 min Scan# 1480

Delta R.T. -0.00 min

Lab File: BM002436.D

Acq: 15 Aug 2015 22:04

Instrument :

BNA_M

ClientSampleId :

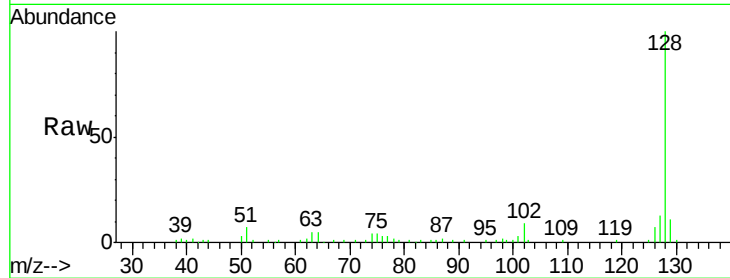
Tot Ion:128 Resp: 116684

Ion Ratio Lower Upper

128 100

129 11.4 8.6 12.8

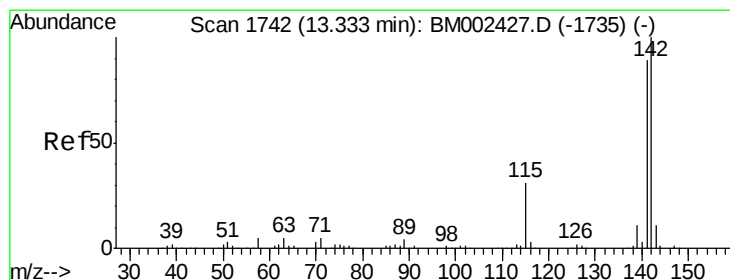
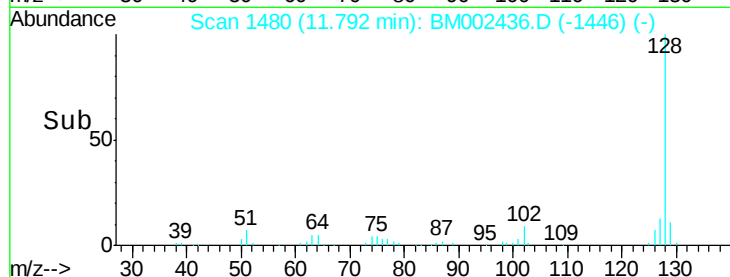
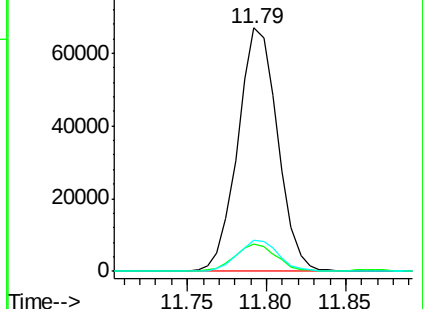
127 13.0 10.4 15.6



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



#4

2-Methylnaphthalene

Concen: 3.20 ng/ul

RT: 13.33 min Scan# 1742

Delta R.T. -0.00 min

Lab File: BM002436.D

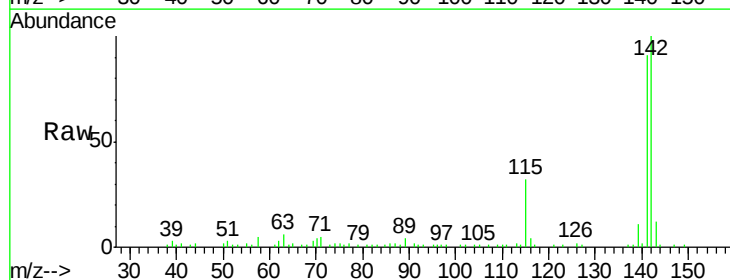
Acq: 15 Aug 2015 22:04

Tgt Ion:142 Resp: 100280

Ion Ratio Lower Upper

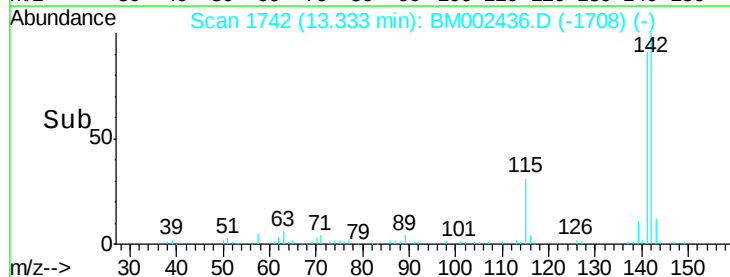
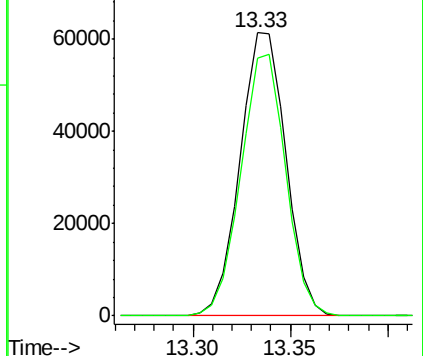
142 100

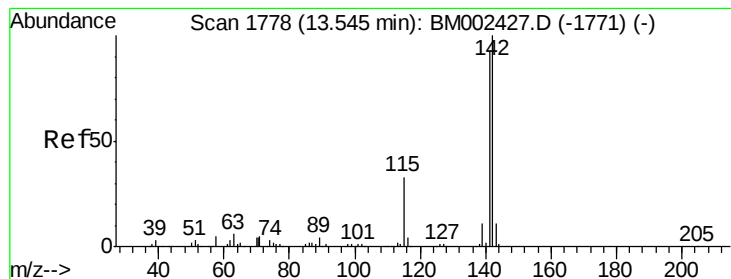
141 90.8 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 2.65 ng/ul

RT: 13.55 min Scan# 1779

Delta R.T. 0.01 min

Lab File: BM002436.D

Acq: 15 Aug 2015 22:04

Instrument :

BNA_M

ClientSampleId :

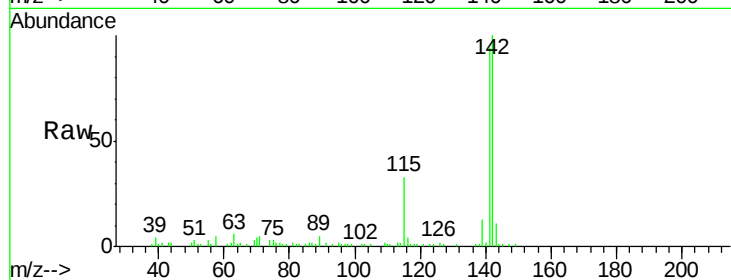
Tot Ion:142 Resp: 82268

Ion Ratio Lower Upper

142 100

141 94.3 73.9 110.9

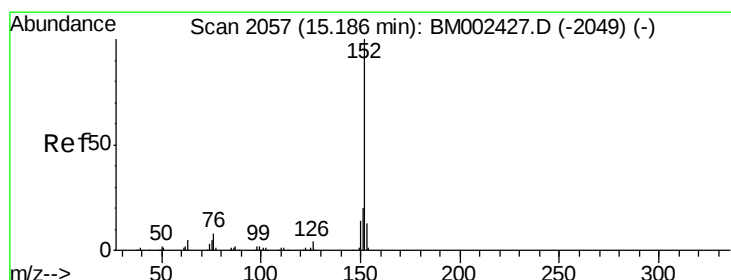
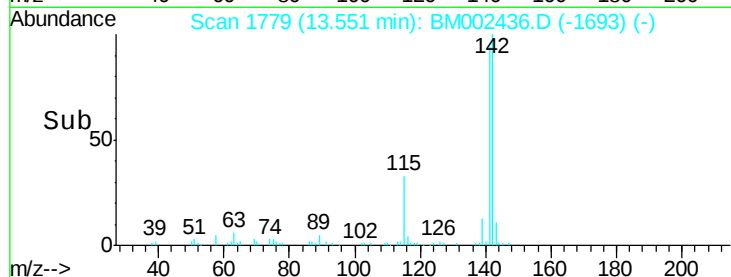
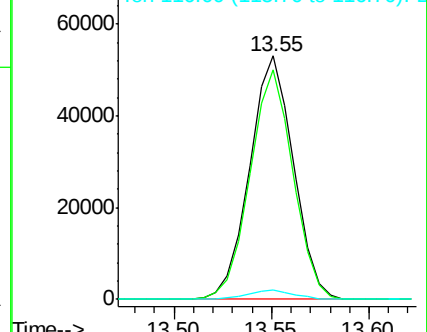
116 3.8 3.0 4.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#8

Acenaphthylene

Concen: 1.80 ng/ul

RT: 15.19 min Scan# 2057

Delta R.T. -0.00 min

Lab File: BM002436.D

Acq: 15 Aug 2015 22:04

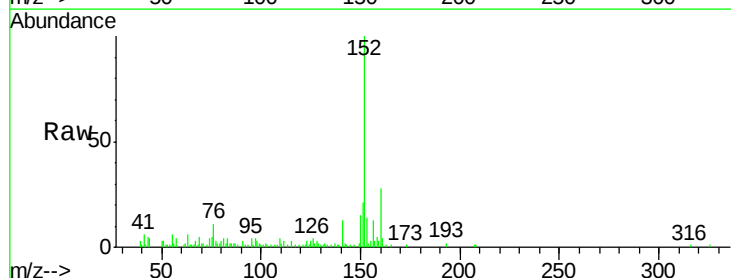
Tgt Ion:152 Resp: 80476

Ion Ratio Lower Upper

152 100

151 21.0 15.7 23.5

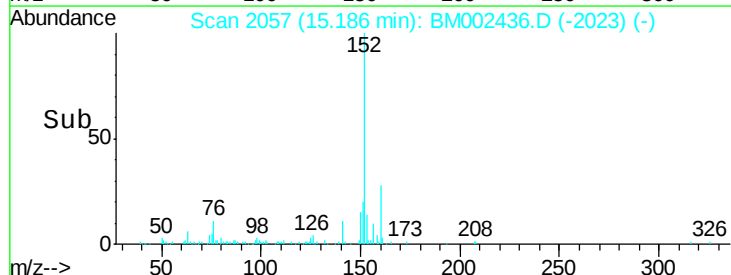
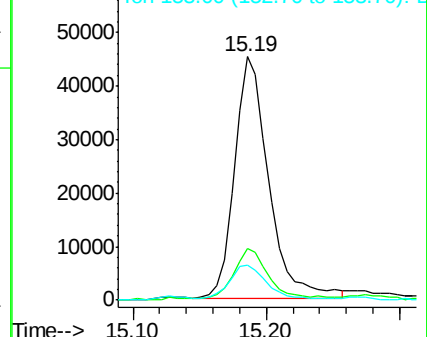
153 14.3 10.2 15.4

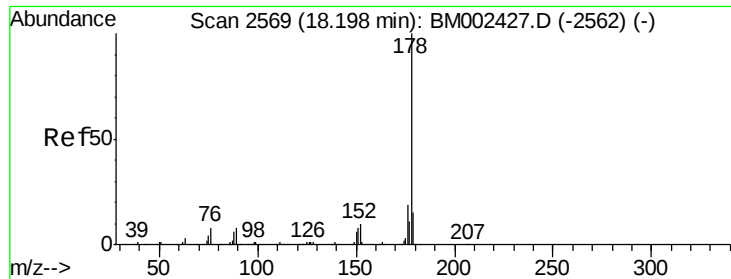


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#13

Phenanthrene

Concen: 12.03 ng/ul

RT: 18.20 min Scan# 2570

Delta R.T. 0.01 min

Lab File: BM002436.D

Acq: 15 Aug 2015 22:04

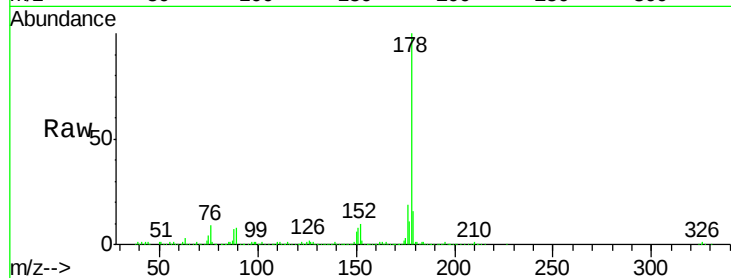
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 523327

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.4	18.6
176	18.9	15.1	22.7

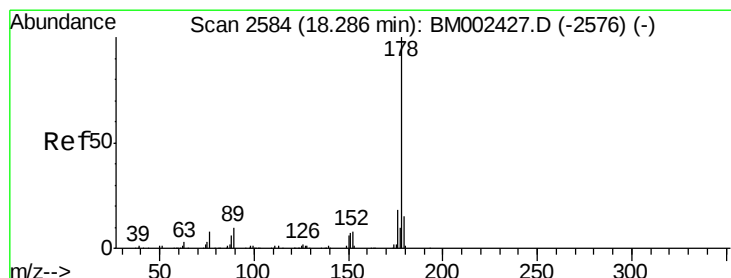
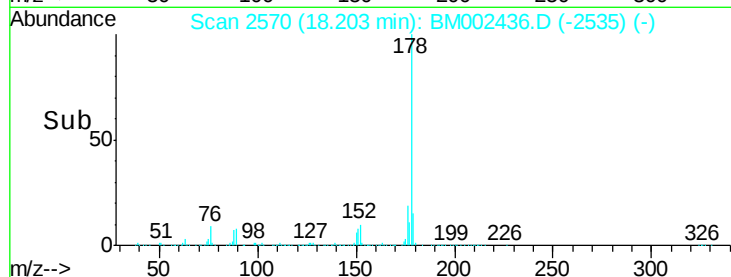
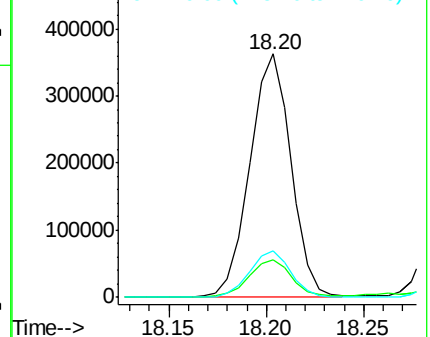


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#15

Anthracene

Concen: 4.50 ng/ul

RT: 18.29 min Scan# 2585

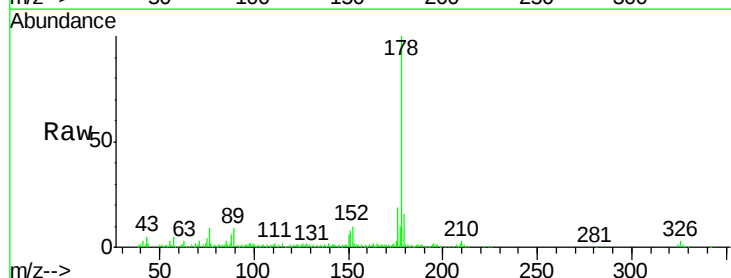
Delta R.T. 0.01 min

Lab File: BM002436.D

Acq: 15 Aug 2015 22:04

Tgt Ion:178 Resp: 198348

Ion	Ratio	Lower	Upper
178	100		
179	16.3	12.6	18.8
176	18.8	14.5	21.7

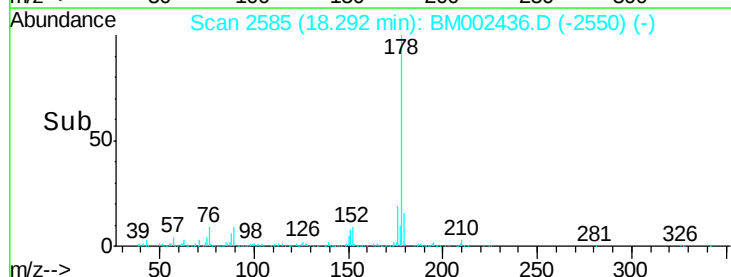
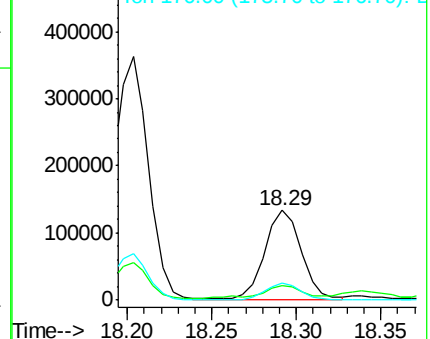


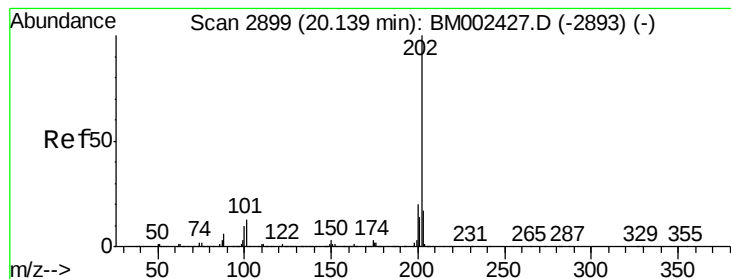
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Fluoranthene

Concen: 31.97 ng/ul

RT: 20.15 min Scan# 2901

Delta R.T. 0.01 min

Lab File: BM002436.D

Acq: 15 Aug 2015 22:04

Instrument :

BNA_M

ClientSampleId :

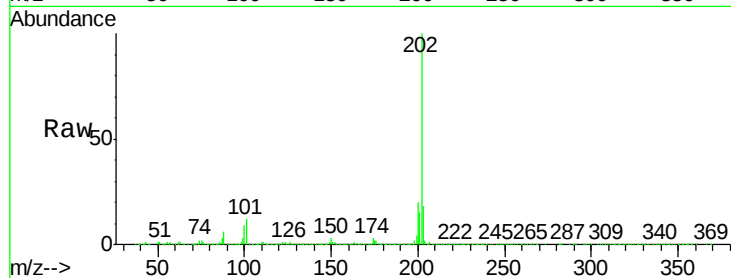
Tot Ion:202 Resp: 1574655

Ion Ratio Lower Upper

202 100

101 12.4 9.7 14.5

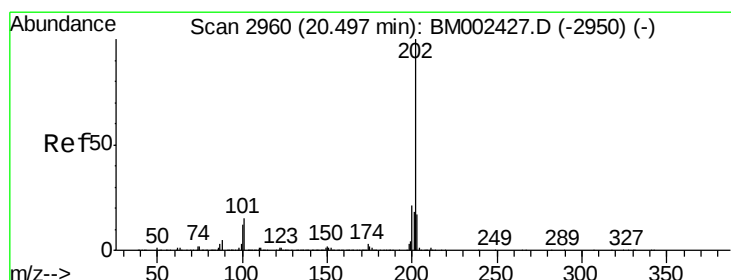
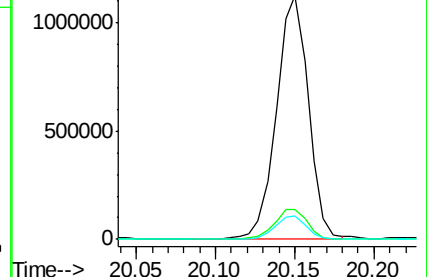
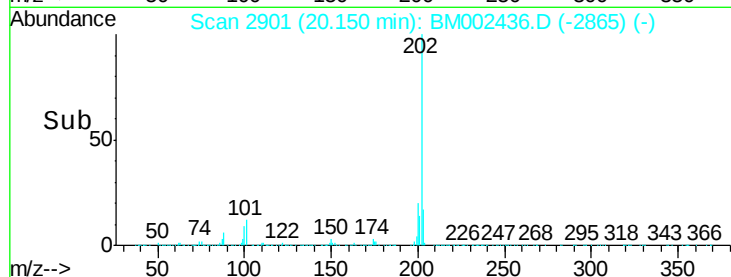
100 9.4 7.4 11.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#19

Pyrene

Concen: 51.67 ng/ul

RT: 20.50 min Scan# 2961

Delta R.T. 0.01 min

Lab File: BM002436.D

Acq: 15 Aug 2015 22:04

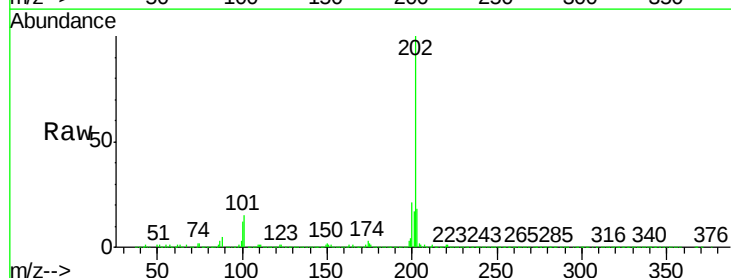
Tgt Ion:202 Resp: 1519633

Ion Ratio Lower Upper

202 100

101 15.2 12.0 18.0

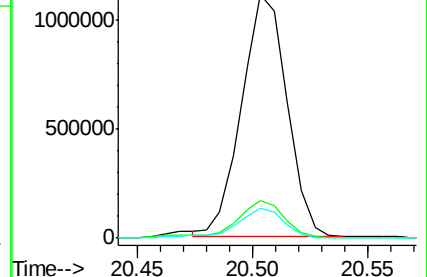
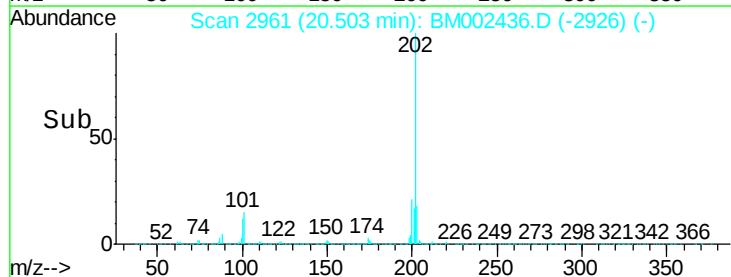
100 12.3 9.7 14.5

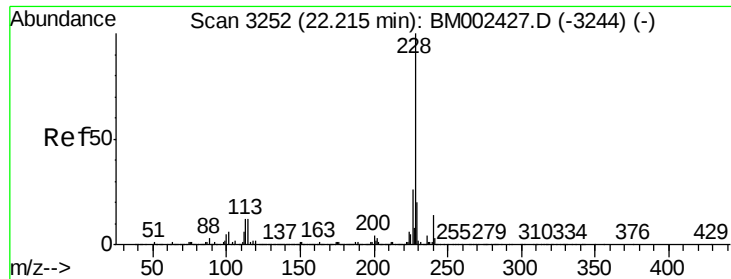


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 43.92 ng/ul

RT: 22.22 min Scan# 3253

Delta R.T. 0.01 min

Lab File: BM002436.D

Acq: 15 Aug 2015 22:04

Instrument :

BNA_M

ClientSampleId :

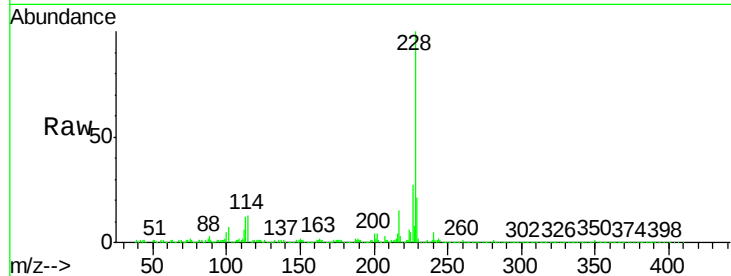
Tot Ion:228 Resp: 1318414

Ion Ratio Lower Upper

228 100

229 21.2 15.8 23.6

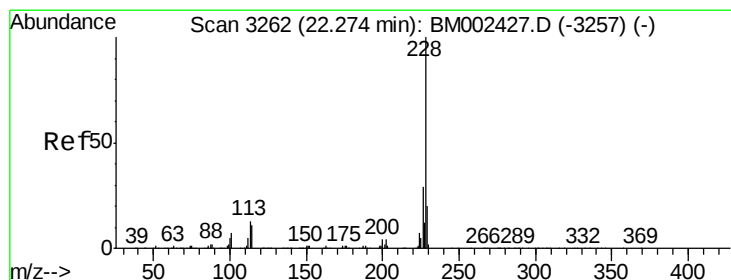
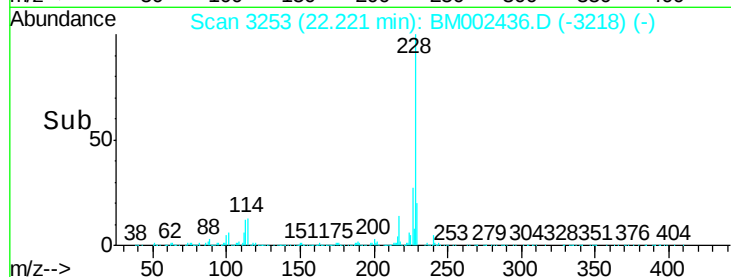
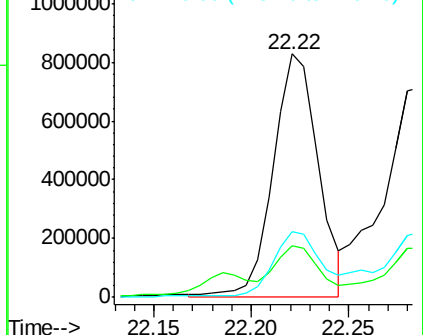
226 27.1 21.1 31.7



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#21

Chrysene

Concen: 45.46 ng/ul

RT: 22.29 min Scan# 3264

Delta R.T. 0.01 min

Lab File: BM002436.D

Acq: 15 Aug 2015 22:04

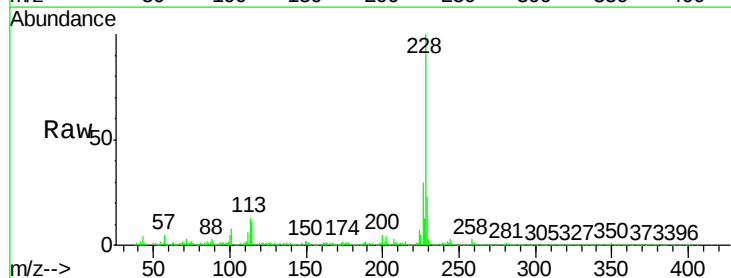
Tgt Ion:228 Resp: 1276382

Ion Ratio Lower Upper

228 100

226 30.3 23.4 35.2

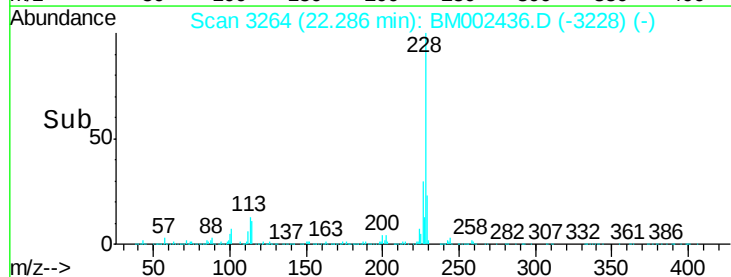
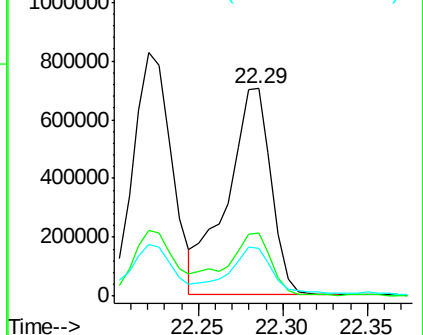
229 23.2 15.7 23.5

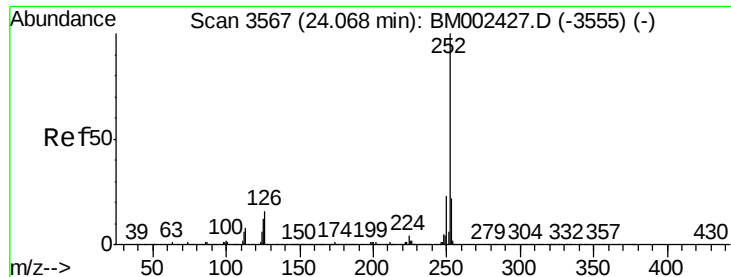


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

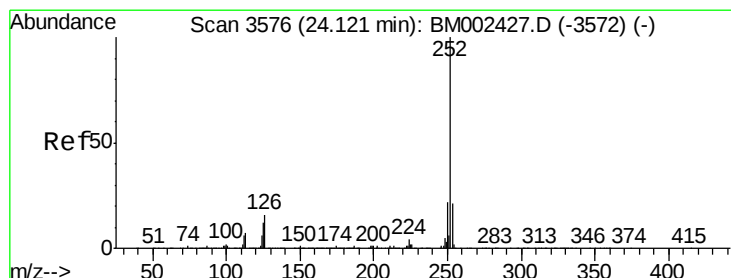
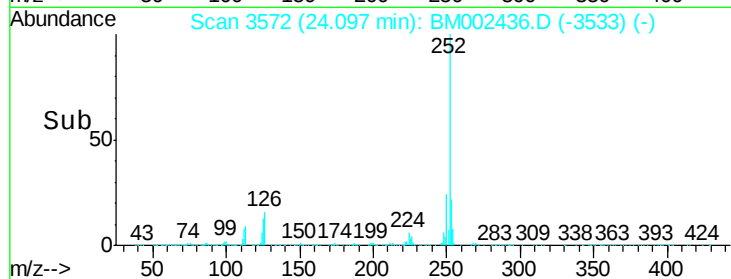
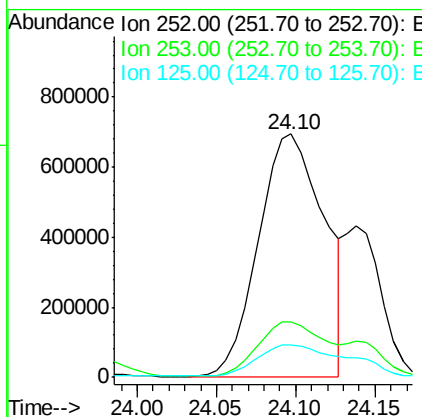
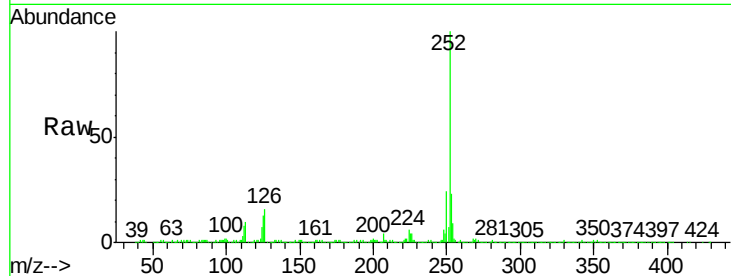




#23
Benzo(b)fluoranthene
Concen: 63.97 ng/ul
RT: 24.10 min Scan# 3572
Delta R.T. 0.03 min
Lab File: BM002436.D
Acq: 15 Aug 2015 22:04

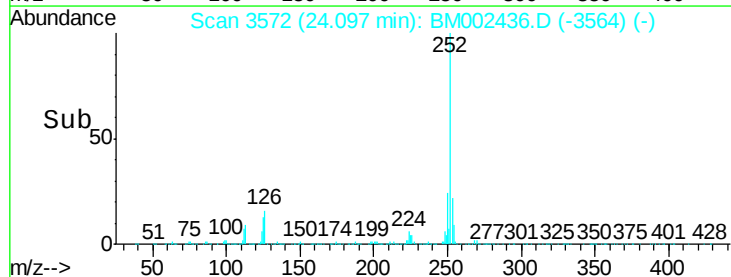
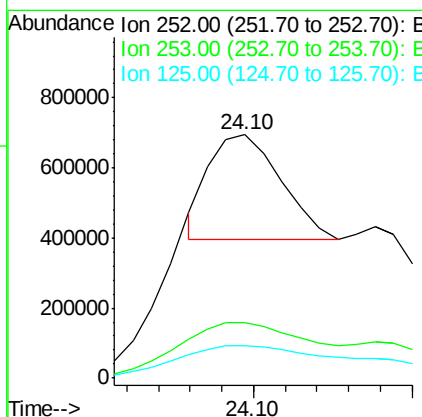
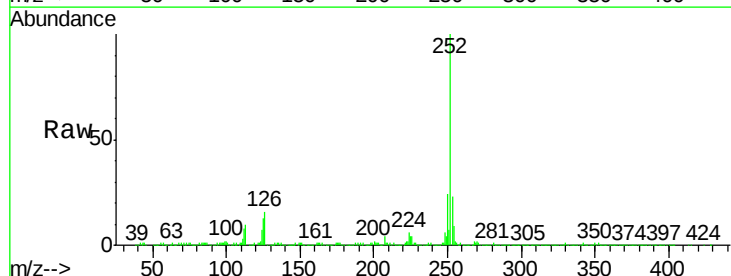
Instrument :
BNA_M
ClientSampleId :

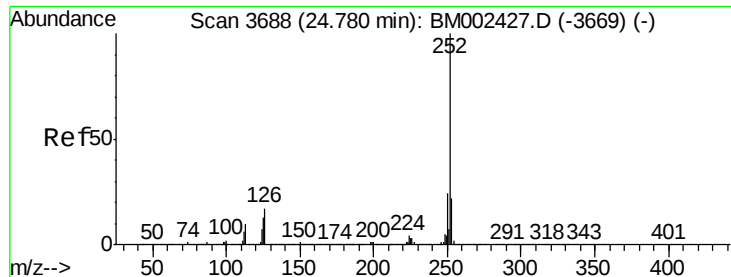
Tot Ion:252 Resp: 1988040
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.0
125 13.4 10.0 15.0



#24
Benzo(k)fluoranthene
Concen: 15.74 ng/ul
RT: 24.10 min Scan# 3572
Delta R.T. -0.02 min
Lab File: BM002436.D
Acq: 15 Aug 2015 22:04

Tgt Ion:252 Resp: 463452
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.6
125 13.4 9.8 14.8





#26

Benzo(a)pyrene

Concen: 47.25 ng/ul

RT: 24.80 min Scan# 3692

Delta R.T. 0.02 min

Lab File: BM002436.D

Acq: 15 Aug 2015 22:04

Instrument :

BNA_M

ClientSampleId :

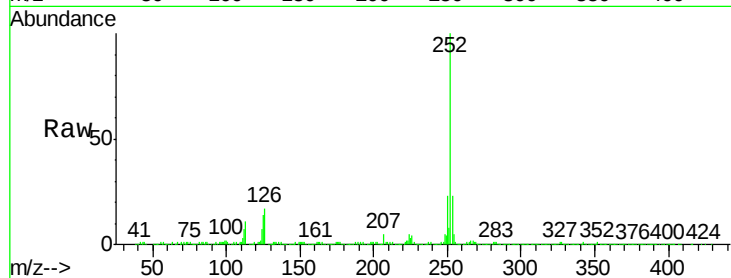
Tot Ion:252 Resp: 1402647

Ion Ratio Lower Upper

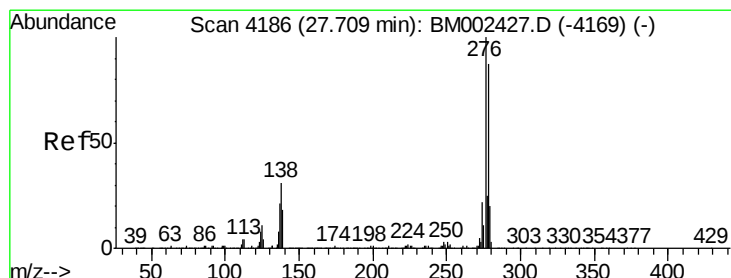
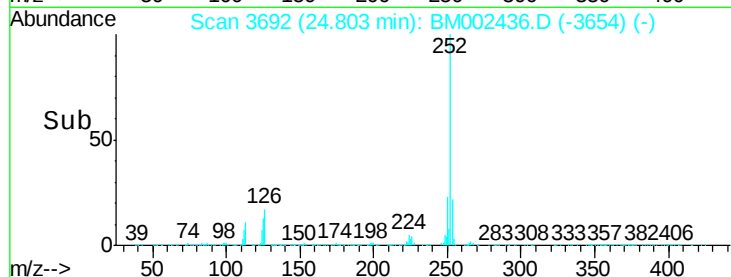
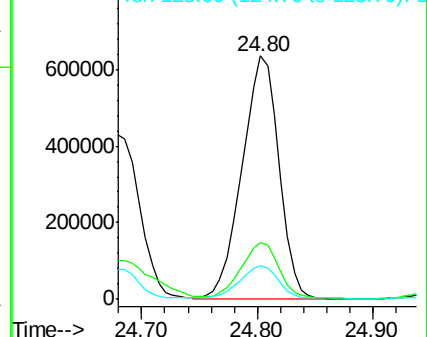
252 100

253 23.1 17.6 26.4

125 13.9 10.7 16.1



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



#27

Indeno(1,2,3-cd)pyrene

Concen: 28.17 ng/ul

RT: 27.76 min Scan# 4194

Delta R.T. 0.05 min

Lab File: BM002436.D

Acq: 15 Aug 2015 22:04

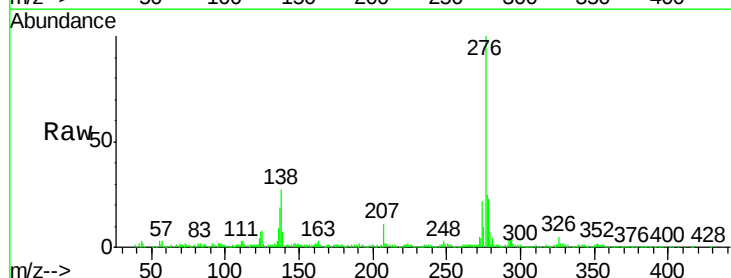
Tgt Ion:276 Resp: 961698

Ion Ratio Lower Upper

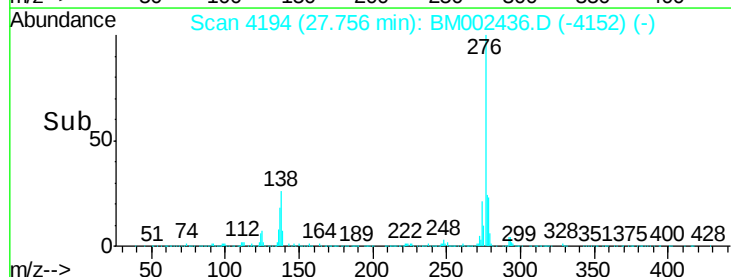
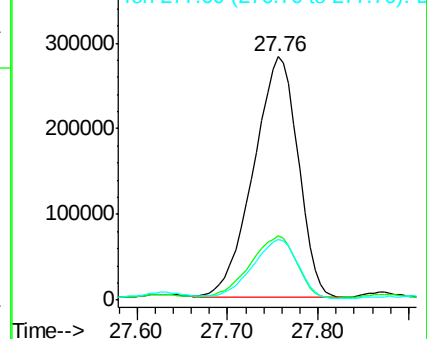
276 100

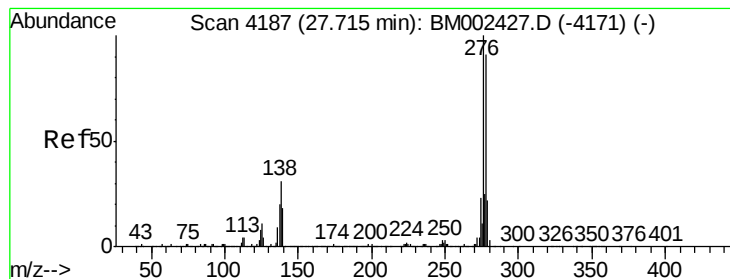
138 26.5 25.3 37.9

277 25.0 20.2 30.2



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





#28

Dibenzo(a,h)anthracene

Concen: 10.28 ng/ul

RT: 27.74 min Scan# 4192

Delta R.T. 0.03 min

Lab File: BM002436.D

Acq: 15 Aug 2015 22:04

Instrument :

BNA_M

ClientSampled :

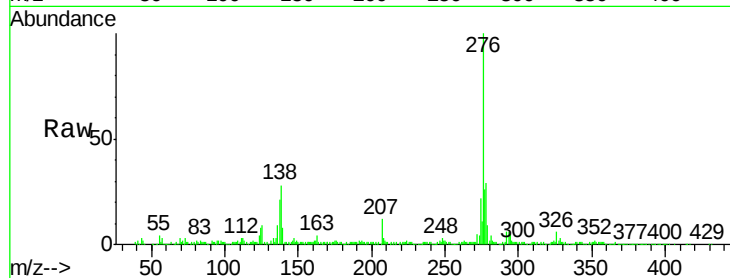
Tot Ion:278 Resp: 293242

Ion Ratio Lower Upper

278 100

139 27.3 16.5 24.7#

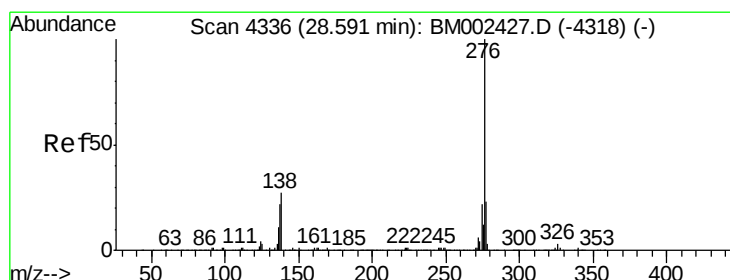
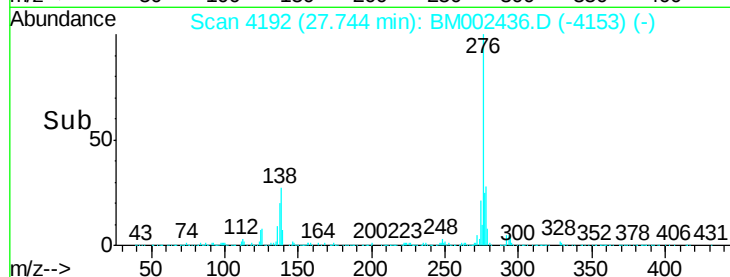
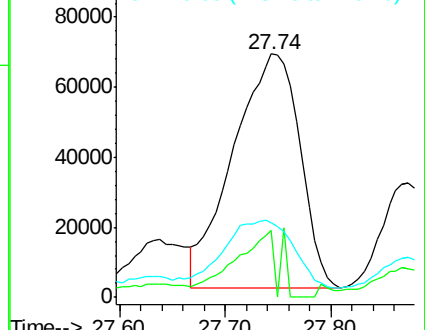
279 30.7 18.8 28.2#



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



#29

Benzo(g,h,i)perylene

Concen: 27.87 ng/ul

RT: 28.64 min Scan# 4344

Delta R.T. 0.05 min

Lab File: BM002436.D

Acq: 15 Aug 2015 22:04

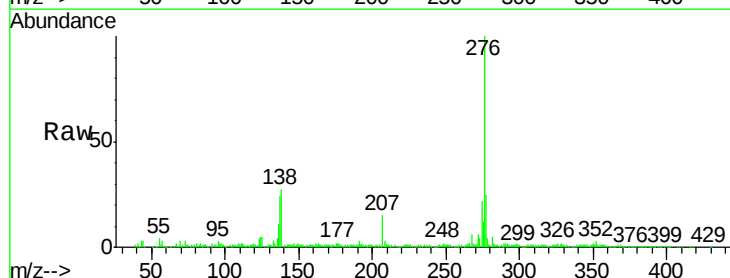
Tgt Ion:276 Resp: 792002

Ion Ratio Lower Upper

276 100

138 27.0 21.0 31.6

277 25.0 19.2 28.8



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

