

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
 Data File : BM002418.D
 Acq On : 15 Aug 2015 10:57
 Operator : UM/IZ
 Sample : G3219-16
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9DA7

Quant Time: Aug 17 02:56:37 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 17 02:54:04 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	154146	20.00	ng/ul	0.00
2) Naphthalene-d8	11.74	136	720582	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.44	164	382177	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.15	188	782806	20.00	ng/ul	0.00
17) Chrysene-d12	22.23	240	623086	20.00	ng/ul	0.00
22) Perylene-d12	24.90	264	516907	20.00	ng/ul	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.15	160	762024	19.50	ng/ul	0.00
10) Fluorene-d10	16.42	176	511990	18.66	ng/ul	0.00
14) Anthracene-d10	18.25	188	718426	19.03	ng/ul	0.00
18) Pyrene-d10	20.47	212	676651	24.50	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.72	264	467955	17.23	ng/ul	0.01

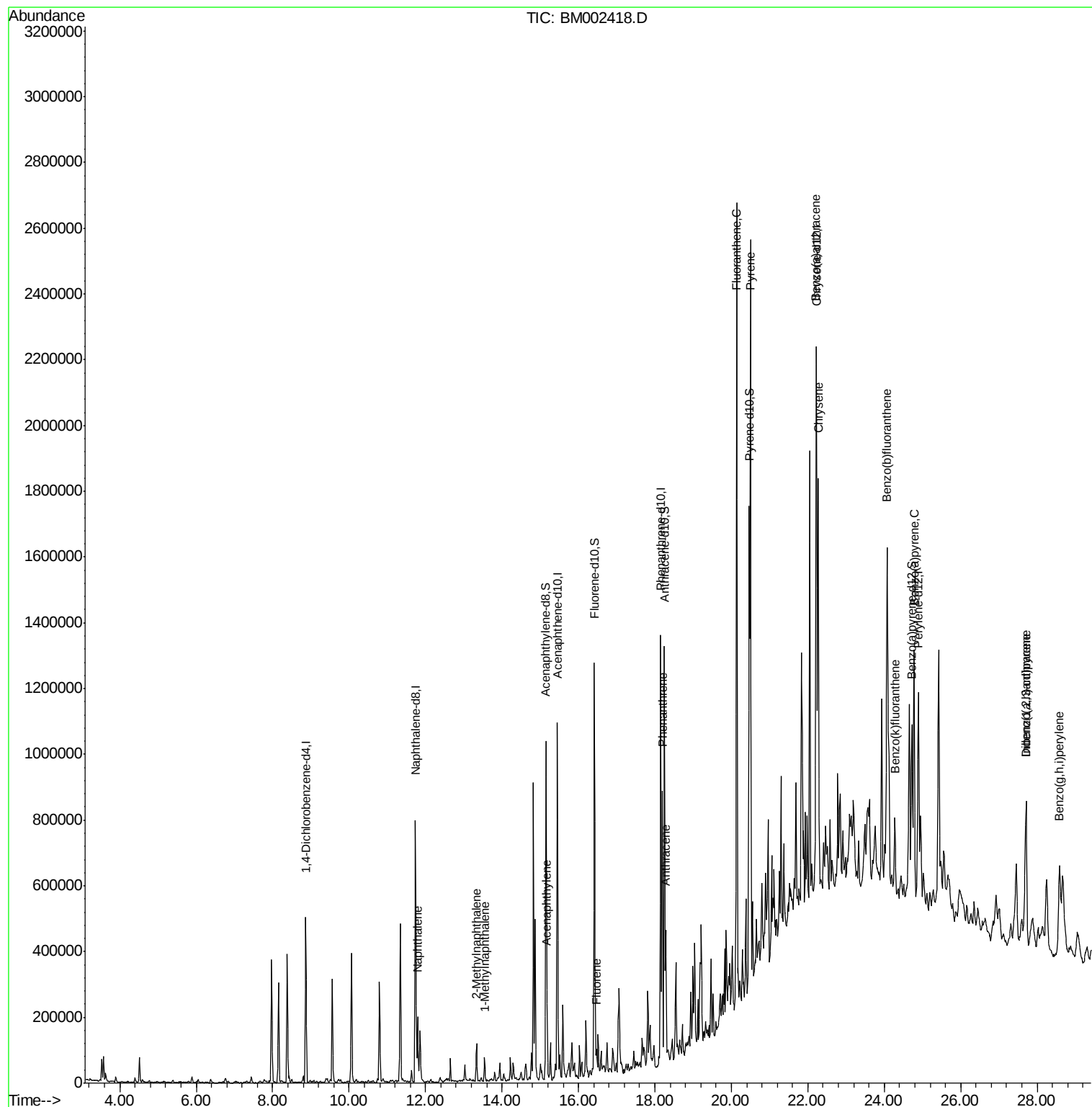
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	11.79	128	182843	4.97	ng/ul	100
4) 2-Methylnaphthalene	13.33	142	58111	2.11	ng/ul	97
5) 1-Methylnaphthalene	13.54	142	36379	1.33	ng/ul	100
8) Acenaphthylene	15.18	152	147470	3.61	ng/ul	99
11) Fluorene	16.47	166	32672	1.06	ng/ul#	94
13) Phenanthrene	18.20	178	522043	11.55	ng/ul	99
15) Anthracene	18.29	178	242825	5.30	ng/ul	99
16) Fluoranthene	20.14	202	1574421	30.76	ng/ul	100
19) Pyrene	20.50	202	1332904	36.52	ng/ul	100
20) Benzo(a)anthracene	22.21	228	764384	20.51	ng/ul	98
21) Chrysene	22.27	228	779079	22.35	ng/ul	97
23) Benzo(b)fluoranthene	24.07	252	1042033	33.35	ng/ul	98
24) Benzo(k)fluoranthene	24.28	252	153425	5.18	ng/ul#	87
26) Benzo(a)pyrene	24.78	252	601273	20.14	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	27.71	276	441636	12.87	ng/ul	94
28) Dibenzo(a,h)anthracene	27.70	278	127163	4.43	ng/ul#	90
29) Benzo(g,h,i)perylene	28.59	276	391351	13.70	ng/ul	98

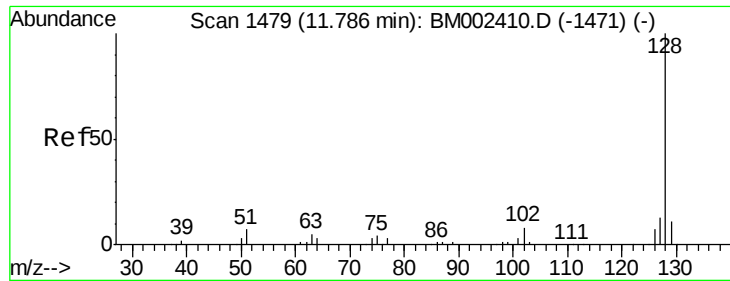
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 4.97 ng/ul

RT: 11.79 min Scan# 1480

Delta R.T. 0.01 min

Lab File: BM002418.D

Acq: 15 Aug 2015 10:57

Instrument :

BNA_M

ClientSampleId :

D9DA7

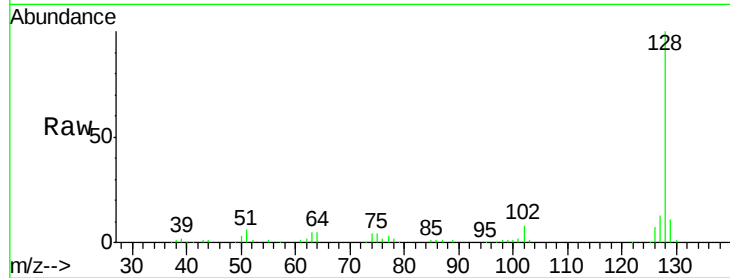
Tot Ion:128 Resp: 182843

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

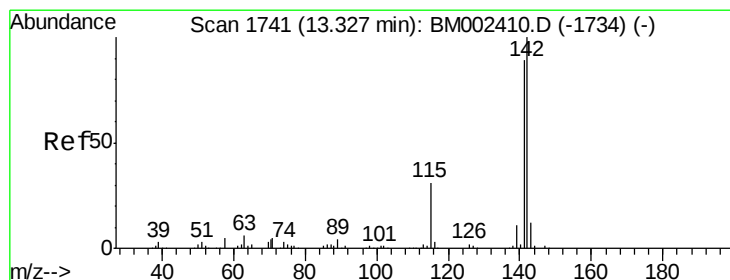
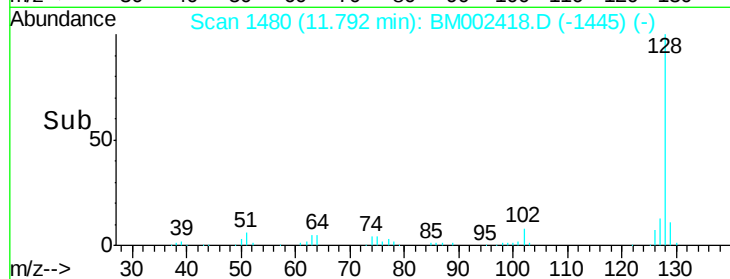
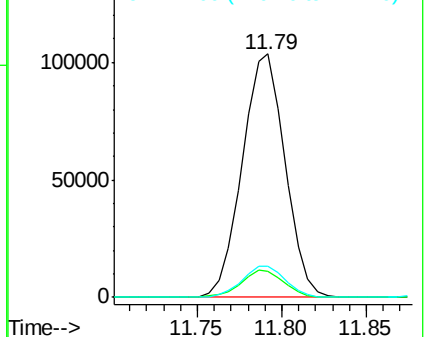
127 13.0 10.4 15.6



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: 2.11 ng/ul

RT: 13.33 min Scan# 1742

Delta R.T. 0.01 min

Lab File: BM002418.D

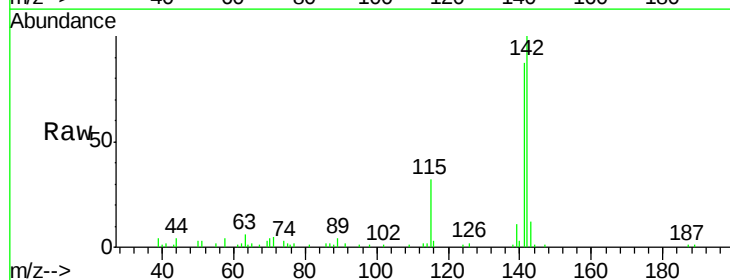
Acq: 15 Aug 2015 10:57

Tgt Ion:142 Resp: 58111

Ion Ratio Lower Upper

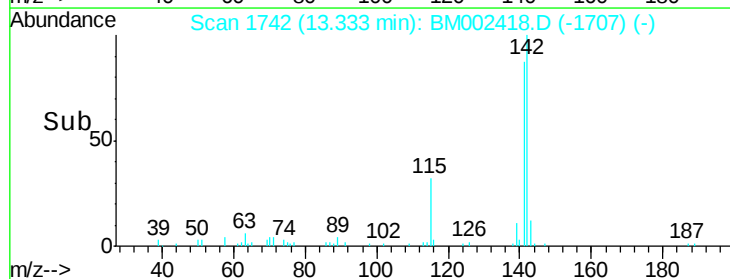
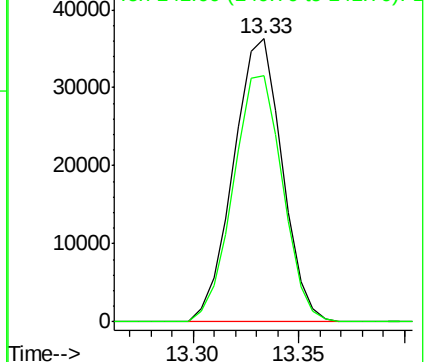
142 100

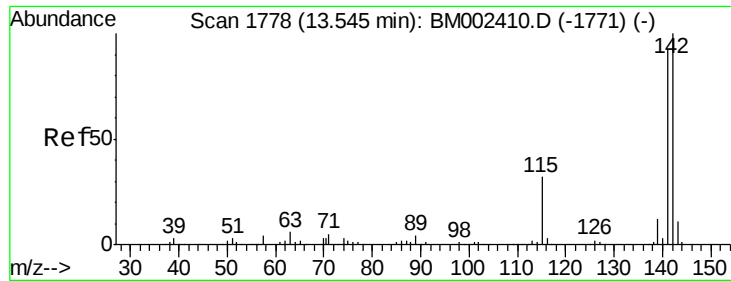
141 87.1 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 1.33 ng/ul

RT: 13.54 min Scan# 1778

Delta R.T. -0.00 min

Lab File: BM002418.D

Acq: 15 Aug 2015 10:57

Instrument :

BNA_M

ClientSampleId :

D9DA7

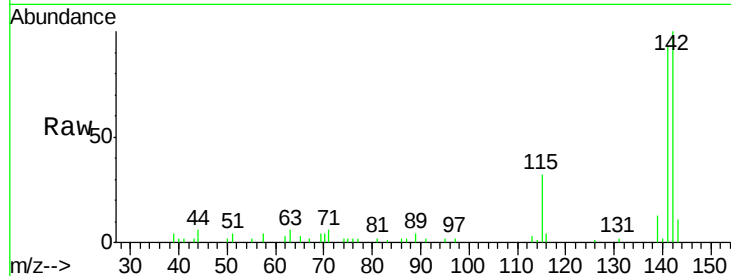
Tot Ion:142 Resp: 36379

Ion Ratio Lower Upper

142 100

141 92.8 73.9 110.9

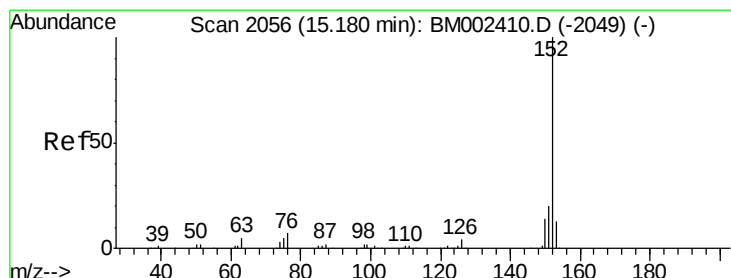
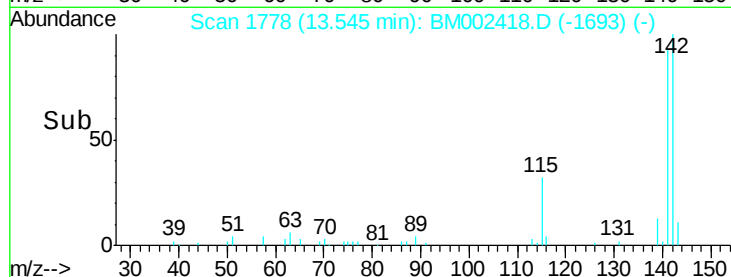
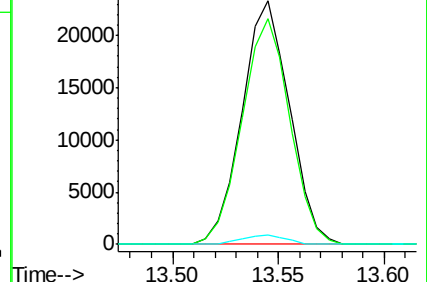
116 3.8 3.0 4.4



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: 3.61 ng/ul

RT: 15.18 min Scan# 2056

Delta R.T. -0.00 min

Lab File: BM002418.D

Acq: 15 Aug 2015 10:57

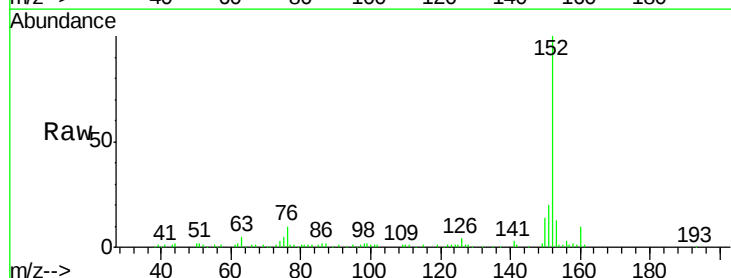
Tgt Ion:152 Resp: 147470

Ion Ratio Lower Upper

152 100

151 19.8 15.7 23.5

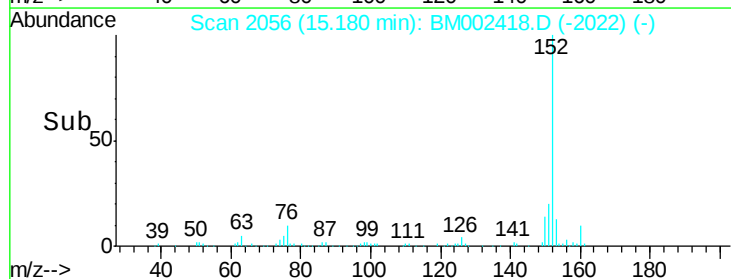
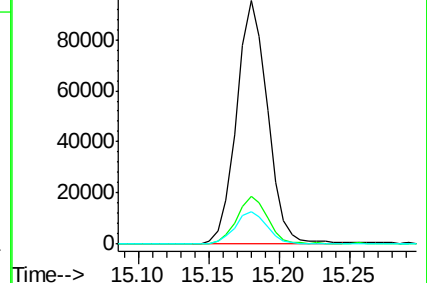
153 13.4 10.2 15.4

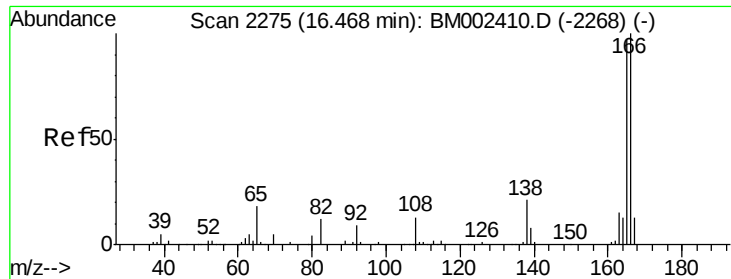


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

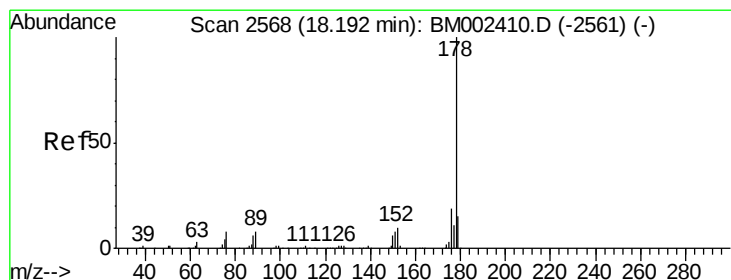
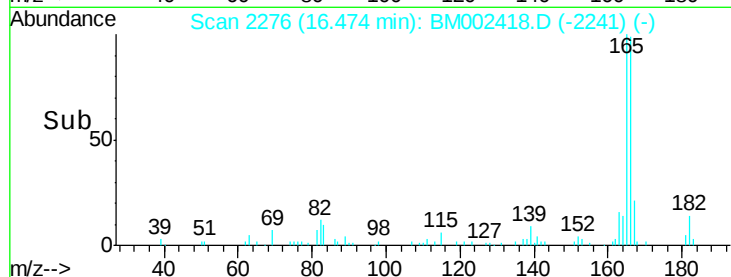
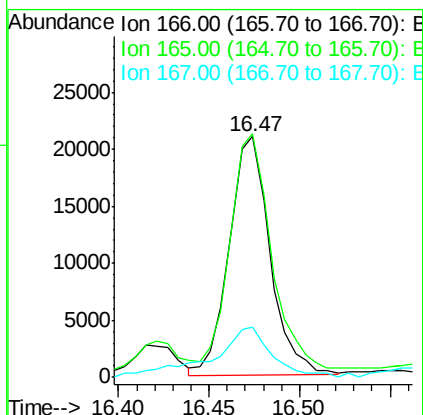
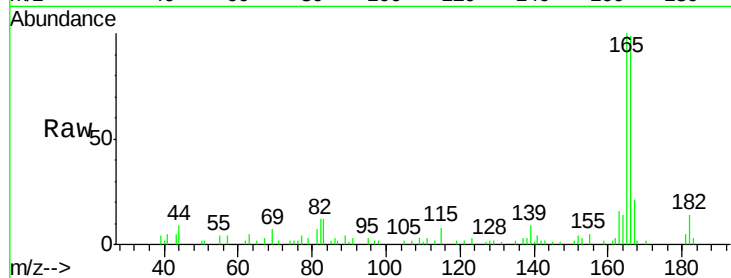




#11
 Fluorene
 Concen: 1.06 ng/ul
 RT: 16.47 min Scan# 2276
 Delta R.T. 0.01 min
 Lab File: BM002418.D
 Acq: 15 Aug 2015 10:57

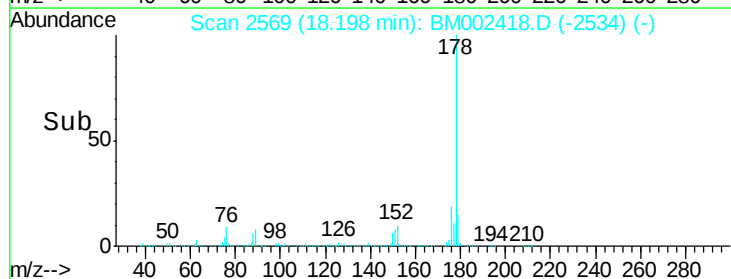
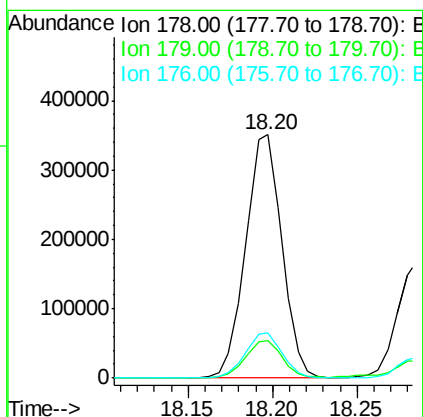
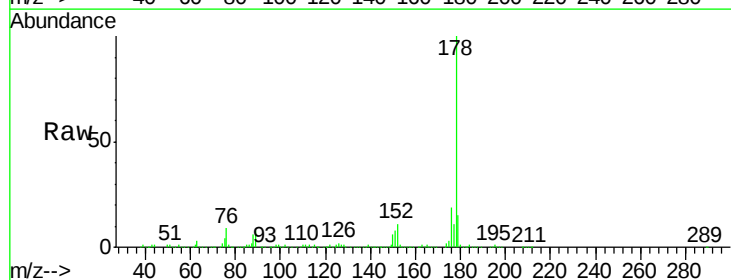
Instrument :
 BNA_M
 ClientSampleID :
 D9DA7

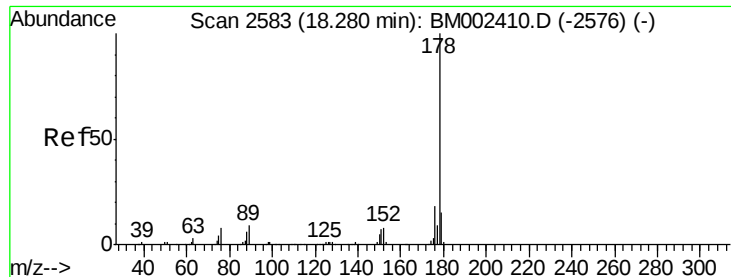
Tot Ion:166 Resp: 32672
 Ion Ratio Lower Upper
 166 100
 165 101.1 77.6 116.4
 167 20.8 10.7 16.1#



#13
 Phenanthrene
 Concen: 11.55 ng/ul
 RT: 18.20 min Scan# 2569
 Delta R.T. 0.01 min
 Lab File: BM002418.D
 Acq: 15 Aug 2015 10:57

Tgt Ion:178 Resp: 522043
 Ion Ratio Lower Upper
 178 100
 179 15.3 12.4 18.6
 176 18.5 15.1 22.7

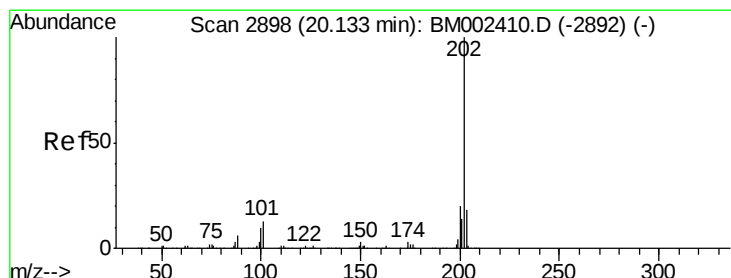
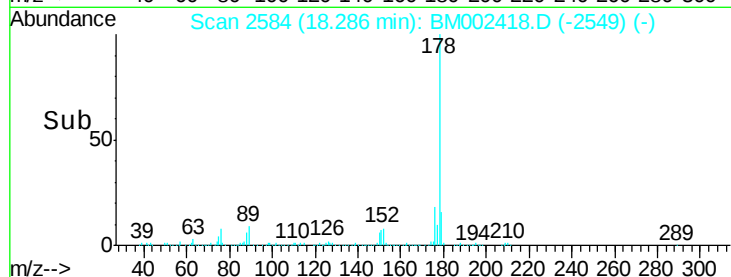
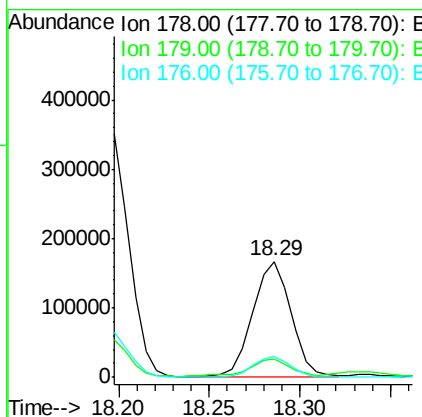
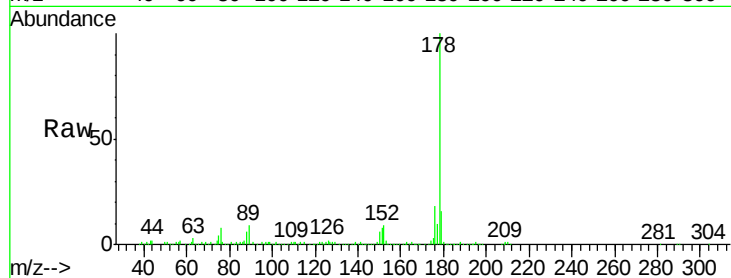




#15
 Anthracene
 Concen: 5.30 ng/ul
 RT: 18.29 min Scan# 2584
 Delta R.T. 0.01 min
 Lab File: BM002418.D
 Acq: 15 Aug 2015 10:57

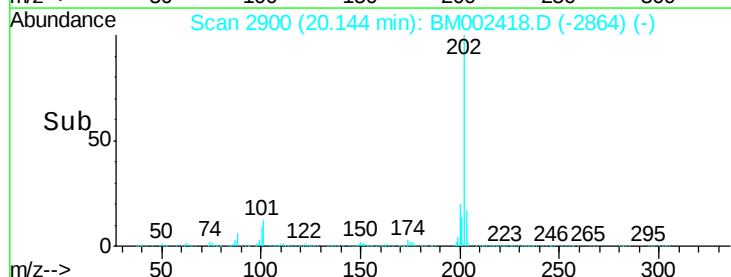
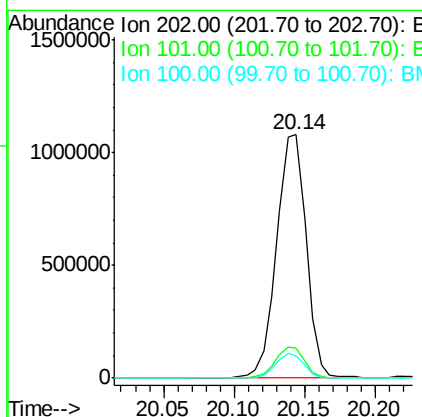
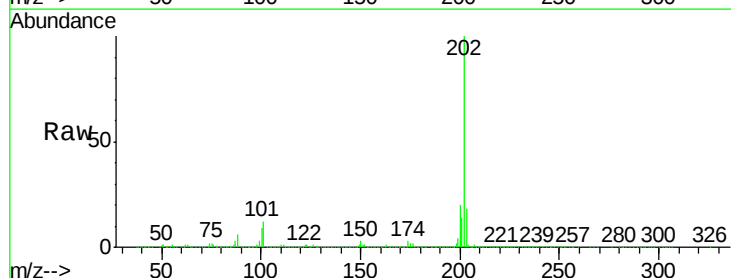
Instrument :
 BNA_M
 ClientSampleId :
 D9DA7

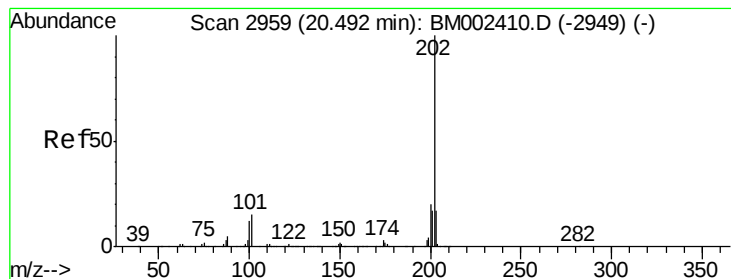
Tot Ion:178 Resp: 242825
 Ion Ratio Lower Upper
 178 100
 179 16.0 12.6 18.8
 176 17.9 14.5 21.7



#16
 Fluoranthene
 Concen: 30.76 ng/ul
 RT: 20.14 min Scan# 2900
 Delta R.T. 0.01 min
 Lab File: BM002418.D
 Acq: 15 Aug 2015 10:57

Tgt Ion:202 Resp: 1574421
 Ion Ratio Lower Upper
 202 100
 101 12.1 9.7 14.5
 100 9.1 7.4 11.2





#19

Pvrene

Concen: 36.52 ng/ul

RT: 20.50 min Scan# 2960

Delta R.T. 0.01 min

Lab File: BM002418.D

Acq: 15 Aug 2015 10:57

Instrument :

BNA_M

ClientSampleId :

D9DA7

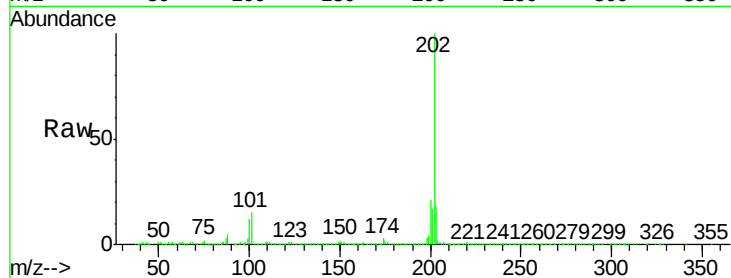
Tot Ion:202 Resp: 1332904

Ion Ratio Lower Upper

202 100

101 15.1 12.0 18.0

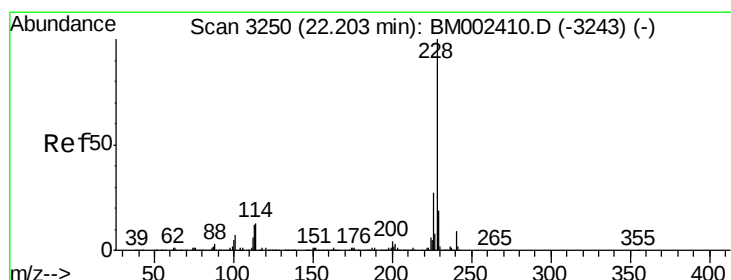
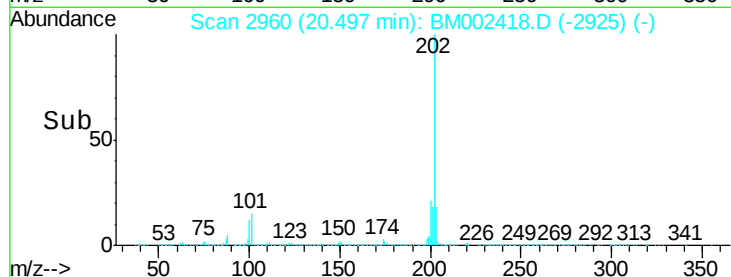
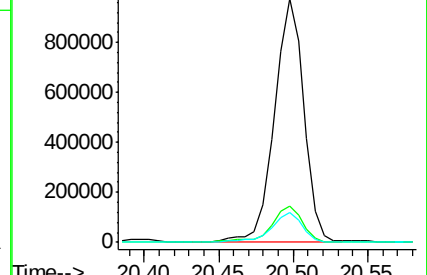
100 12.1 9.7 14.5



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): E



#20

Benzo(a)anthracene

Concen: 20.51 ng/ul

RT: 22.21 min Scan# 3252

Delta R.T. 0.01 min

Lab File: BM002418.D

Acq: 15 Aug 2015 10:57

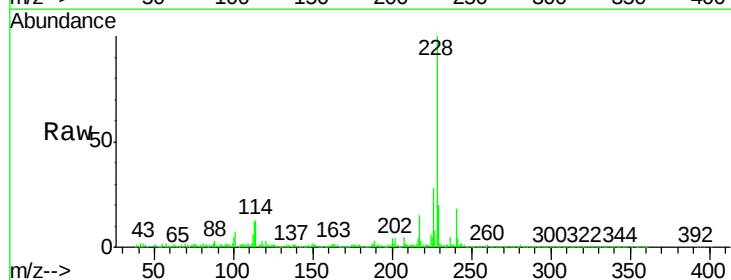
Tgt Ion:228 Resp: 764384

Ion Ratio Lower Upper

228 100

229 20.5 15.8 23.6

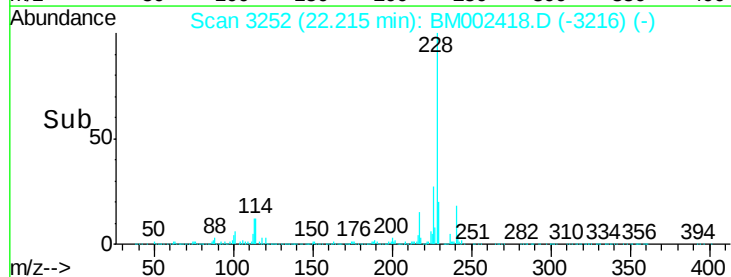
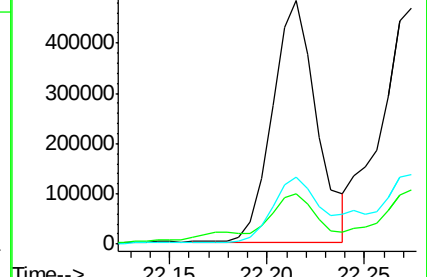
226 27.6 21.1 31.7

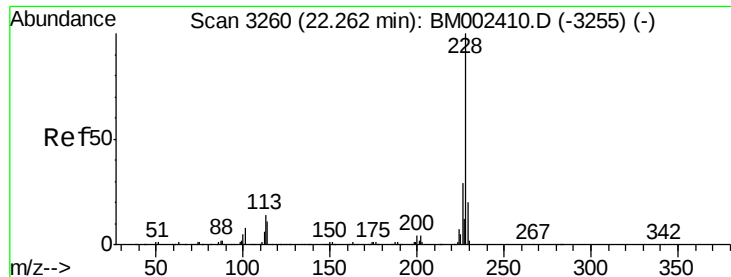


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 22.35 ng/ul

RT: 22.27 min Scan# 3262

Delta R.T. 0.01 min

Lab File: BM002418.D

Acq: 15 Aug 2015 10:57

Instrument :

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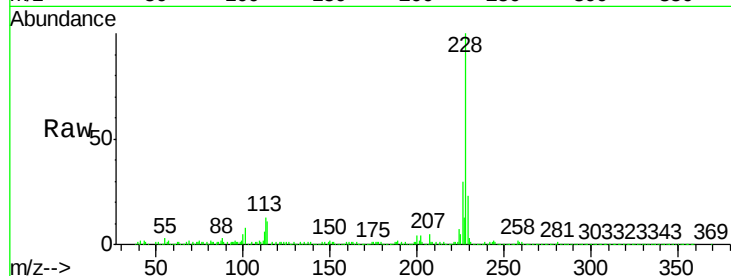
Tot Ion:228 Resp: 779079

Ion Ratio Lower Upper

228 100

226 29.7 23.4 35.2

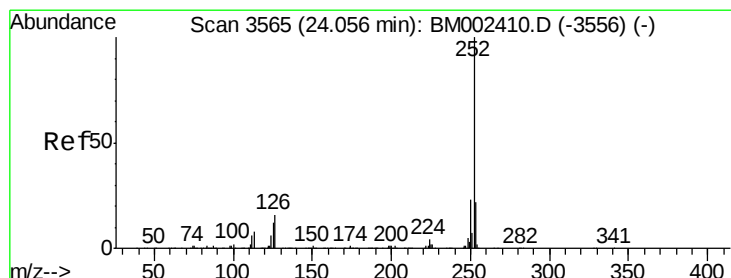
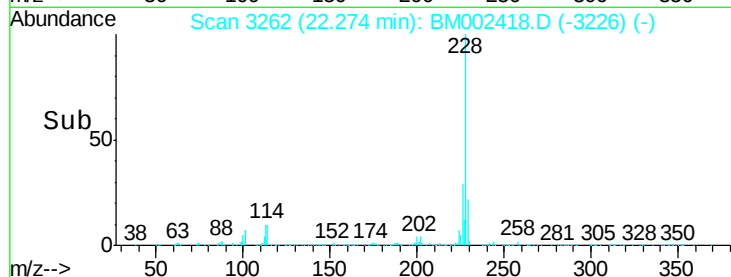
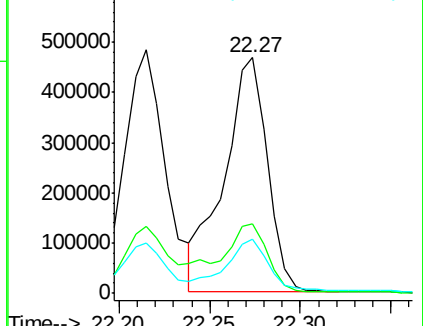
229 22.9 15.7 23.5



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: 33.35 ng/ul

RT: 24.07 min Scan# 3568

Delta R.T. 0.02 min

Lab File: BM002418.D

Acq: 15 Aug 2015 10:57

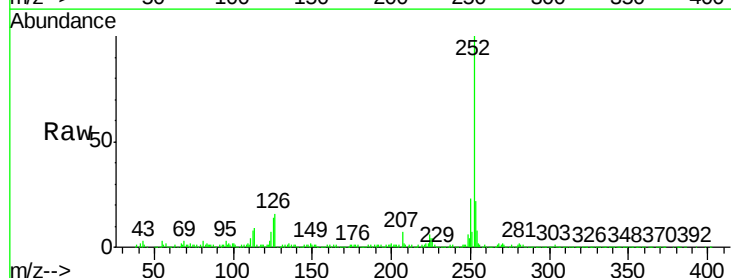
Tgt Ion:252 Resp: 1042033

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.0

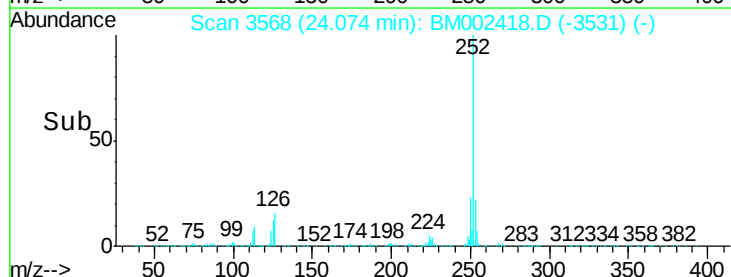
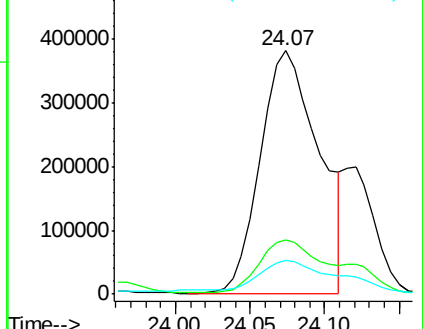
125 13.8 10.0 15.0

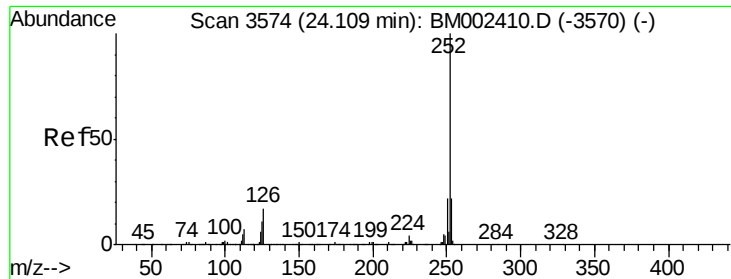


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 5.18 ng/ul

RT: 24.28 min Scan# 3603

Delta R.T. 0.17 min

Lab File: BM002418.D

Acq: 15 Aug 2015 10:57

Instrument :

BNA_M

ClientSampleId :

D9DA7

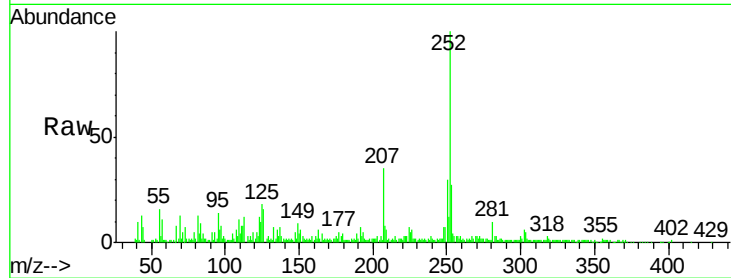
Tot Ion:252 Resp: 153425

Ion Ratio Lower Upper

252 100

253 27.4 17.8 26.6#

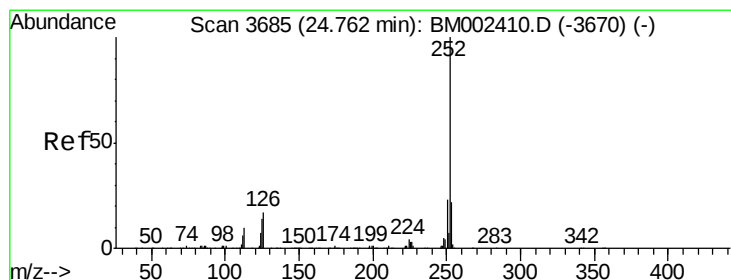
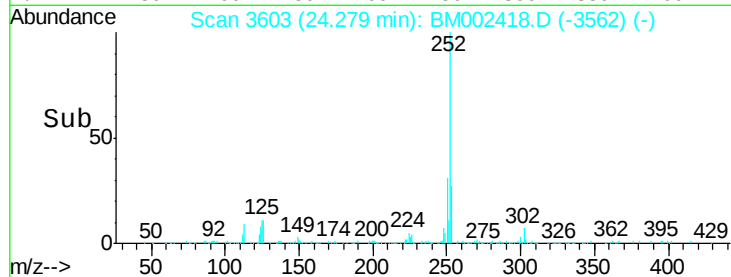
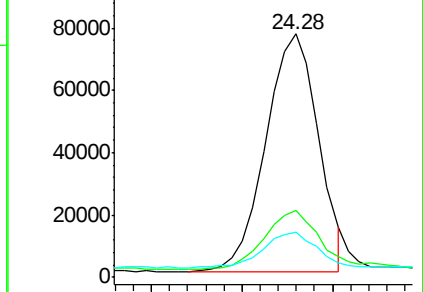
125 18.5 9.8 14.8#



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



#26

Benzo(a)pyrene

Concen: 20.14 ng/ul

RT: 24.78 min Scan# 3688

Delta R.T. 0.02 min

Lab File: BM002418.D

Acq: 15 Aug 2015 10:57

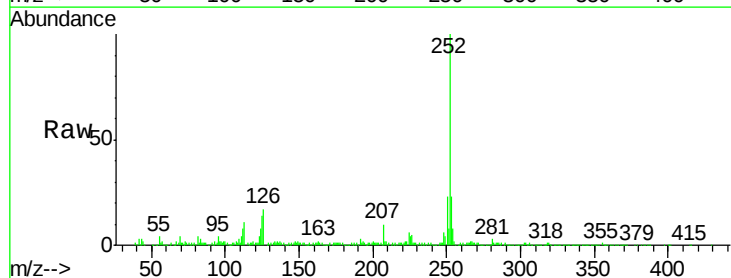
Tgt Ion:252 Resp: 601273

Ion Ratio Lower Upper

252 100

253 22.5 17.6 26.4

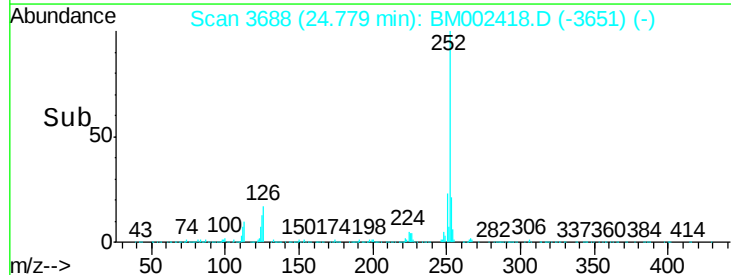
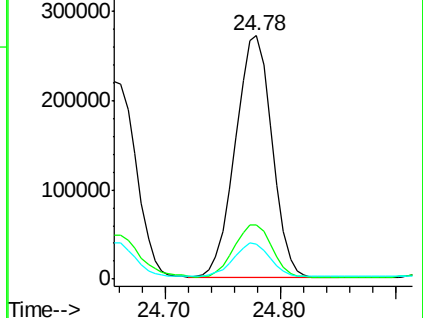
125 14.3 10.7 16.1

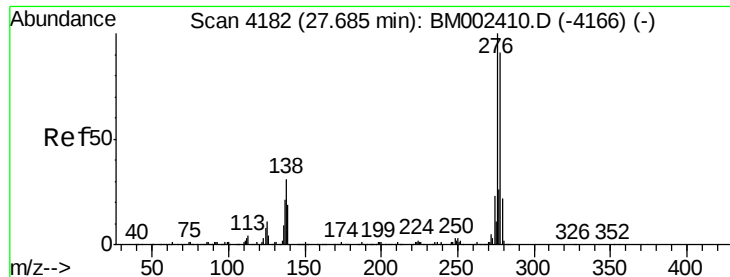


Abundance Ion 252.00 (251.70 to 252.70): E

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: 12.87 ng/ul

RT: 27.71 min Scan# 4186

Delta R.T. 0.02 min

Lab File: BM002418.D

Acq: 15 Aug 2015 10:57

Instrument :

BNA_M

ClientSampleId :

D9DA7

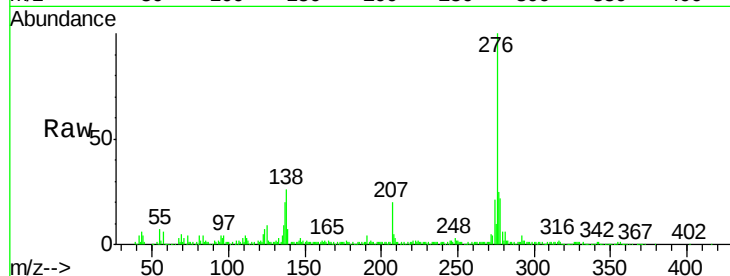
Tot Ion:276 Resp: 441636

Ion Ratio Lower Upper

276 100

138 26.4 25.3 37.9

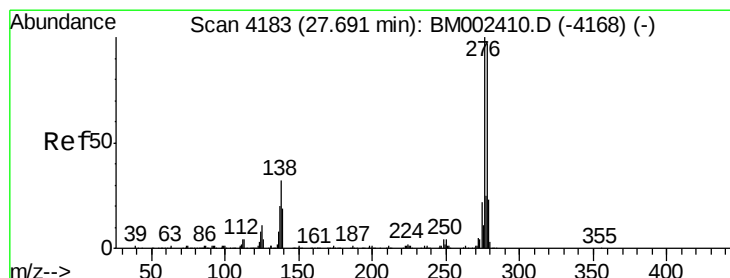
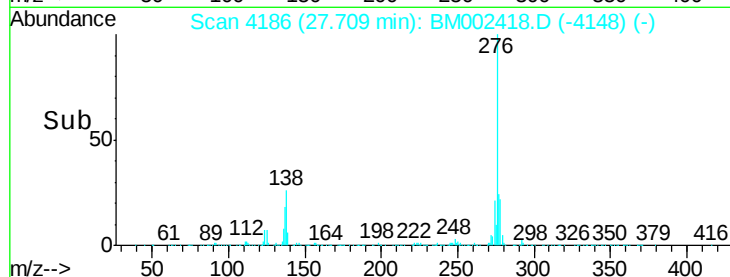
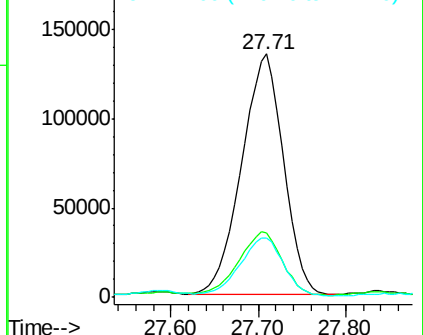
277 24.6 20.2 30.2



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: 4.43 ng/ul

RT: 27.70 min Scan# 4185

Delta R.T. 0.01 min

Lab File: BM002418.D

Acq: 15 Aug 2015 10:57

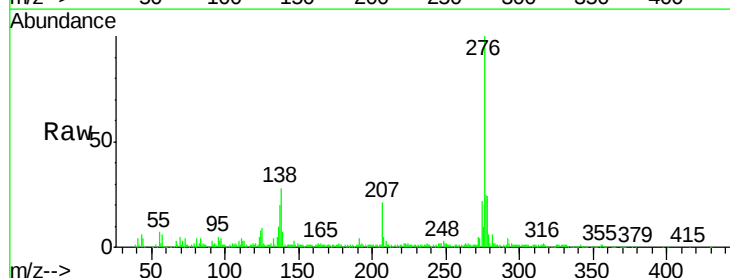
Tgt Ion:278 Resp: 127163

Ion Ratio Lower Upper

278 100

139 27.9 16.5 24.7#

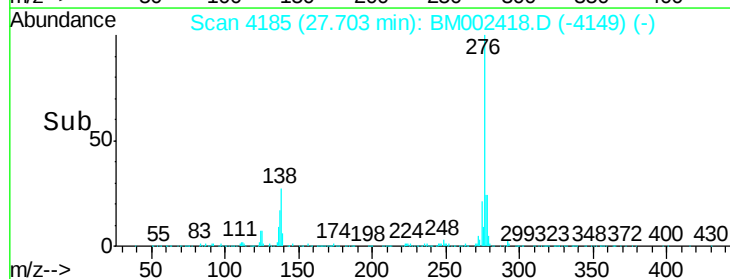
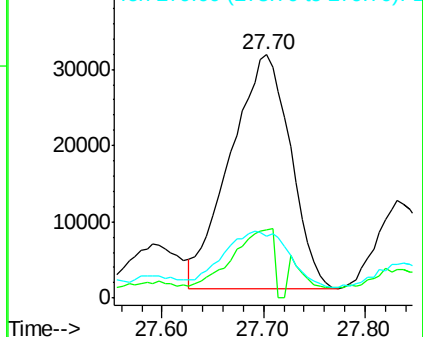
279 25.5 18.8 28.2

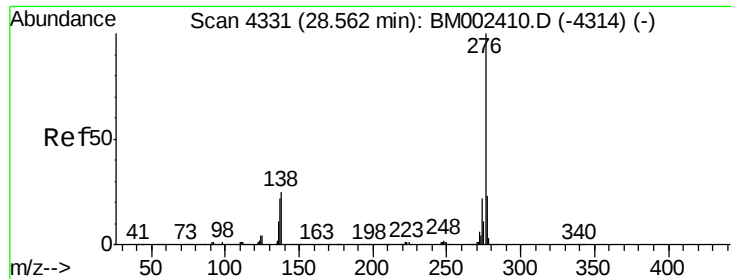


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#29

Benzo(a,h,i)perylene

Concen: 13.70 ng/ul

RT: 28.59 min Scan# 4335

Delta R.T. 0.02 min

Lab File: BM002418.D

Acq: 15 Aug 2015 10:57

Instrument :

BNA_M

ClientSampleId :

D9DA7

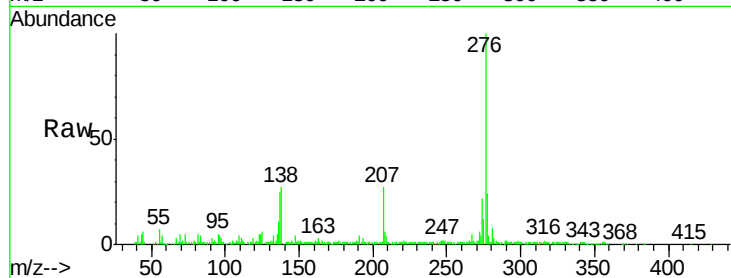
Tot Ion: 276 Resp: 391351

Ion Ratio Lower Upper

276 100

138 27.4 21.0 31.6

277 24.5 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

