

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
 Data File : BM002419.D
 Acq On : 15 Aug 2015 11:43
 Operator : UM/IZ
 Sample : G3219-14
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9DA5

Quant Time: Aug 17 02:56:49 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	176515	20.00	ng/ul	0.00
2) Naphthalene-d8	11.74	136	798214	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.45	164	413707	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.15	188	825137	20.00	ng/ul	0.00
17) Chrysene-d12	22.23	240	616262	20.00	ng/ul	0.00
22) Perylene-d12	24.90	264	511209	20.00	ng/ul	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.15	160	768121	18.16	ng/ul	0.00
10) Fluorene-d10	16.42	176	514919	17.33	ng/ul	0.00
14) Anthracene-d10	18.25	188	684504	17.20	ng/ul	0.00
18) Pyrene-d10	20.47	212	623502	22.82	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.73	264	390111	14.53	ng/ul	0.02

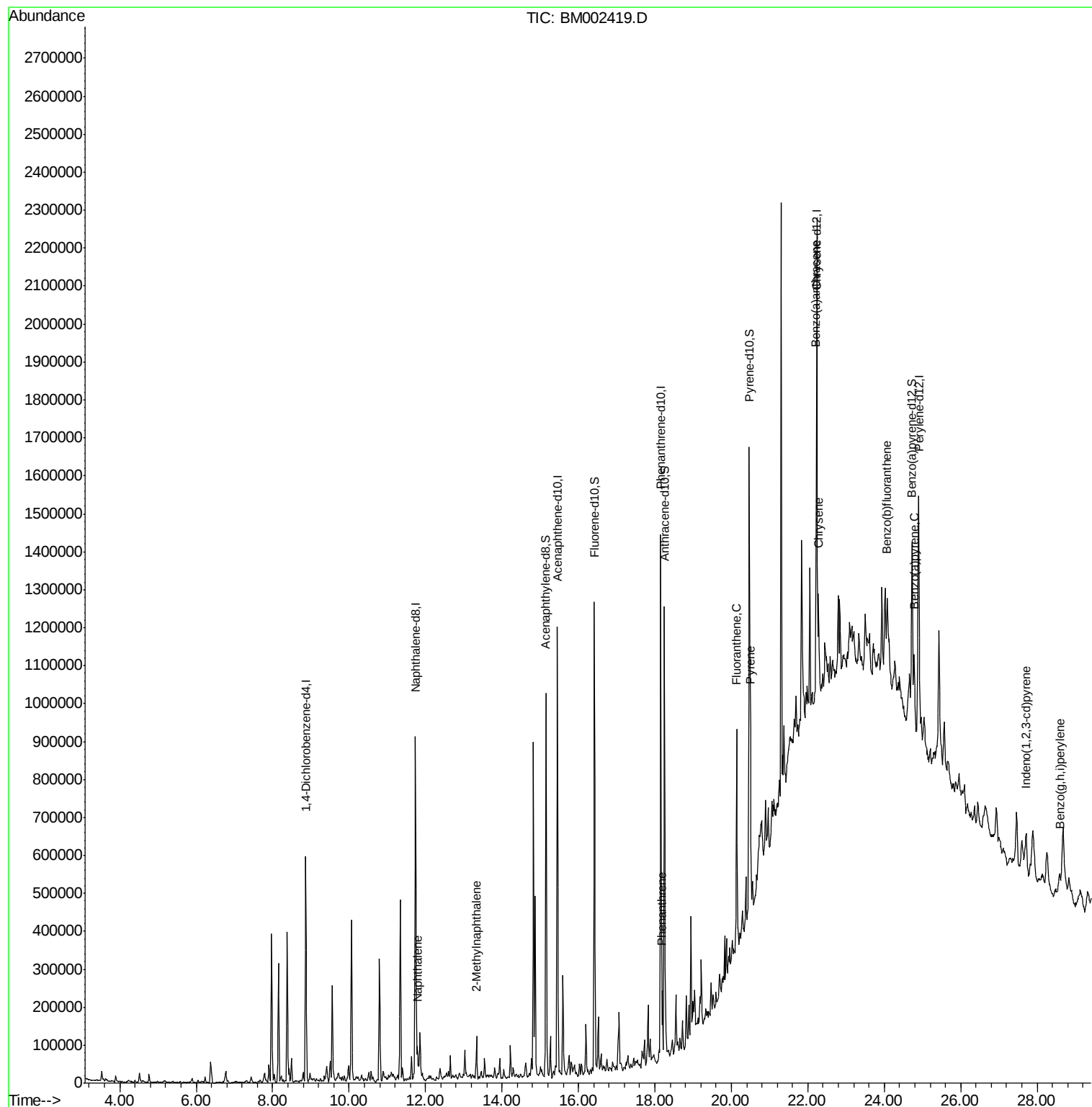
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	11.79	128	75990	1.87	ng/ul	99
4) 2-Methylnaphthalene	13.33	142	57259	1.88	ng/ul	98
13) Phenanthrene	18.20	178	111119	2.33	ng/ul	99
16) Fluoranthene	20.14	202	355344	6.59	ng/ul	99
19) Pyrene	20.50	202	273033	7.56	ng/ul	99
20) Benzo(a)anthracene	22.22	228	181038	4.91	ng/ul#	95
21) Chrysene	22.27	228	176696	5.13	ng/ul#	94
23) Benzo(b)fluoranthene	24.08	252	204528	6.62	ng/ul#	87
26) Benzo(a)pyrene	24.79	252	116557	3.95	ng/ul#	87
27) Indeno(1,2,3-cd)pyrene	27.71	276	83752	2.47	ng/ul	99
29) Benzo(g,h,i)perylene	28.59	276	78334	2.77	ng/ul#	92

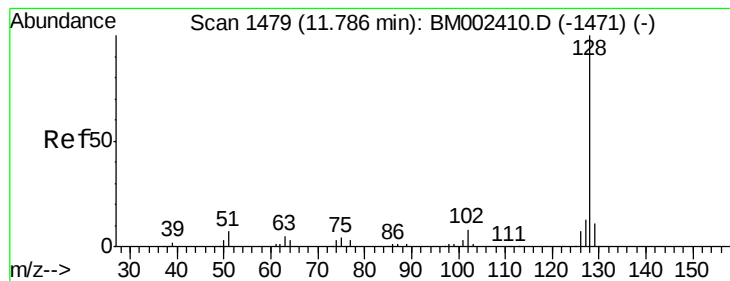
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.87 ng/ul

RT: 11.79 min Scan# 1479

Delta R.T. 0.00 min

Lab File: BM002419.D

Acq: 15 Aug 2015 11:43

Instrument :

BNA_M

ClientSampleId :

D9DA5

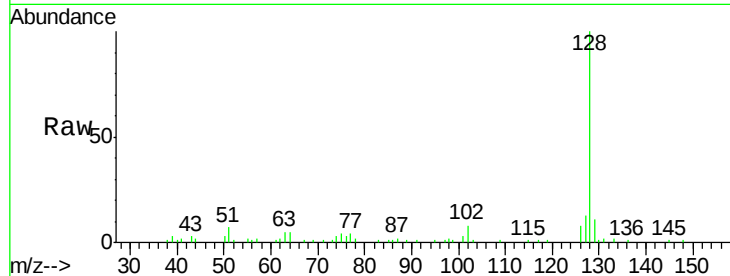
Tot Ion:128 Resp: 75990

Ion Ratio Lower Upper

128 100

129 11.1 8.6 12.8

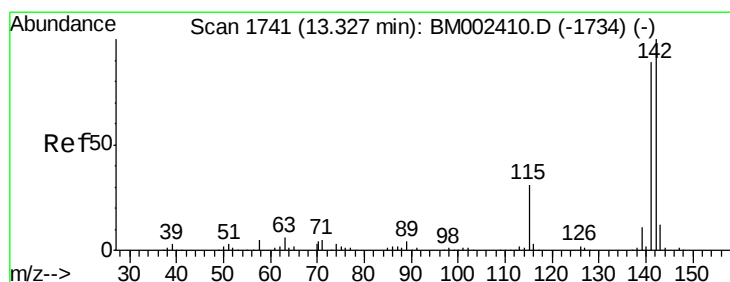
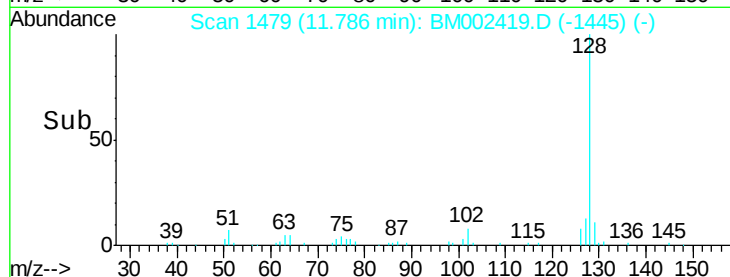
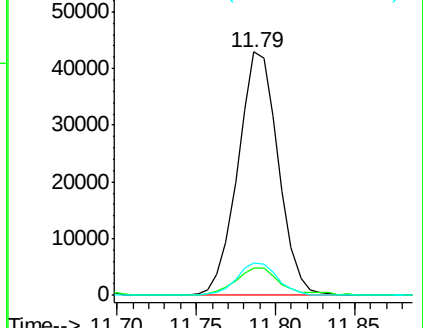
127 13.2 10.4 15.6



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: 1.88 ng/ul

RT: 13.33 min Scan# 1742

Delta R.T. 0.01 min

Lab File: BM002419.D

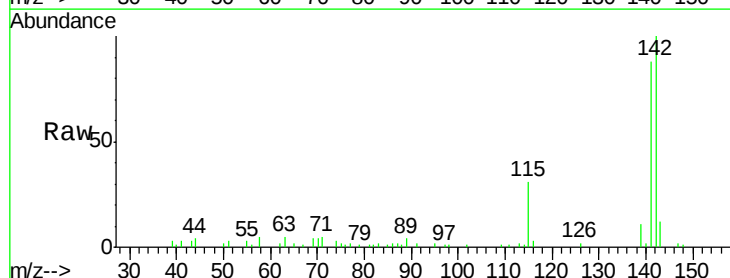
Acq: 15 Aug 2015 11:43

Tgt Ion:142 Resp: 57259

Ion Ratio Lower Upper

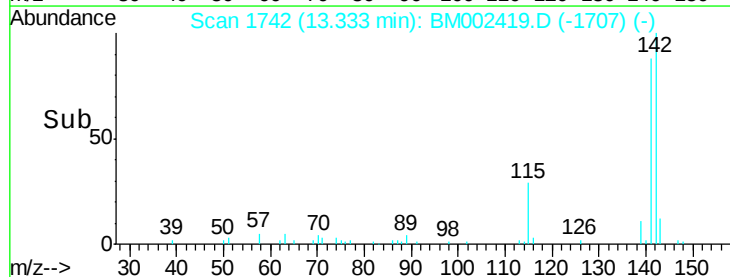
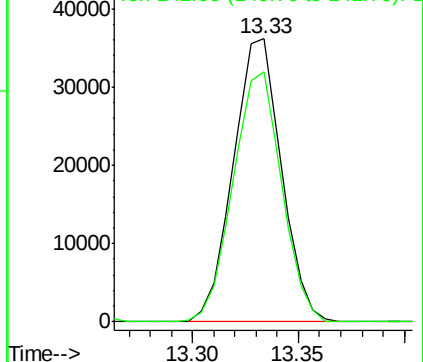
142 100

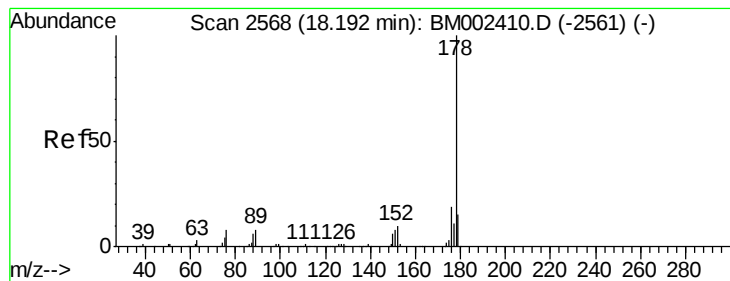
141 88.3 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#13

Phenanthrene

Concen: 2.33 ng/ul

RT: 18.20 min Scan# 2569

Delta R.T. 0.01 min

Lab File: BM002419.D

Acq: 15 Aug 2015 11:43

Instrument :

BNA_M

ClientSampleId :

D9DA5

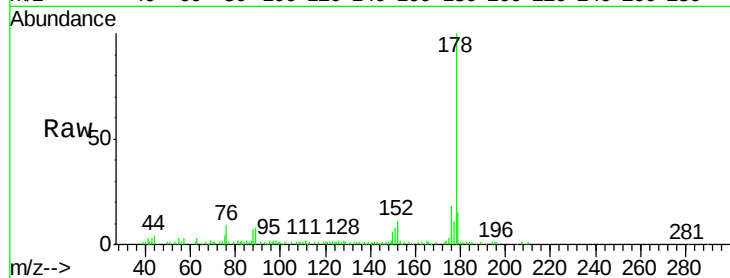
Tot Ion:178 Resp: 111119

Ion Ratio Lower Upper

178 100

179 15.4 12.4 18.6

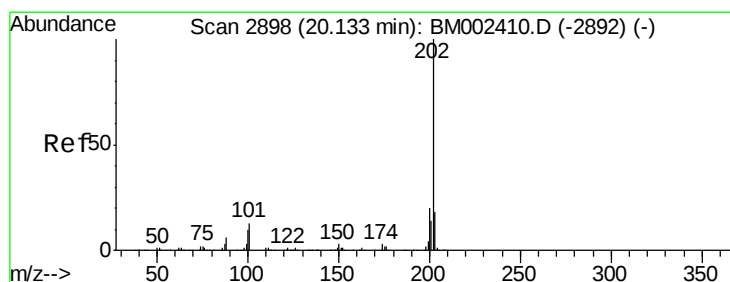
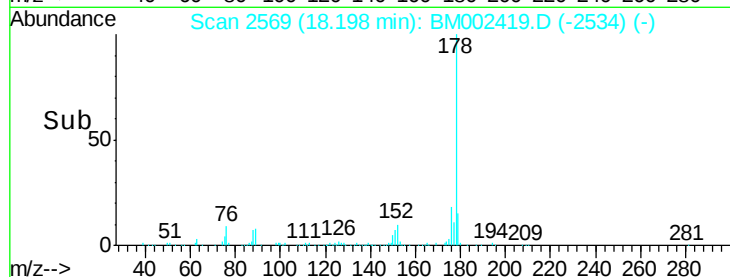
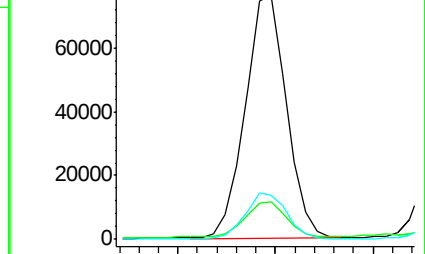
176 18.1 15.1 22.7



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



#16

Fluoranthene

Concen: 6.59 ng/ul

RT: 20.14 min Scan# 2899

Delta R.T. 0.01 min

Lab File: BM002419.D

Acq: 15 Aug 2015 11:43

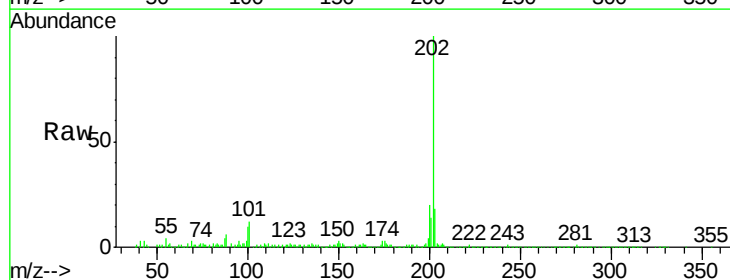
Tgt Ion:202 Resp: 355344

Ion Ratio Lower Upper

202 100

101 12.5 9.7 14.5

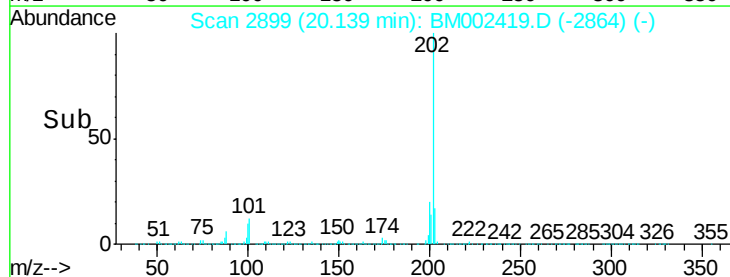
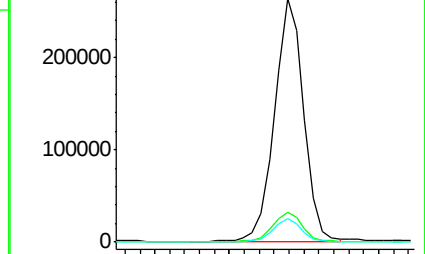
100 9.8 7.4 11.2

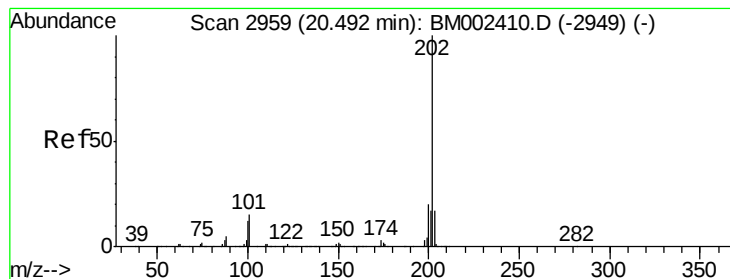


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#19

Pvrene

Concen: 7.56 ng/ul

RT: 20.50 min Scan# 2960

Delta R.T. 0.01 min

Lab File: BM002419.D

Acq: 15 Aug 2015 11:43

Instrument :

BNA_M

ClientSampleId :

D9DA5

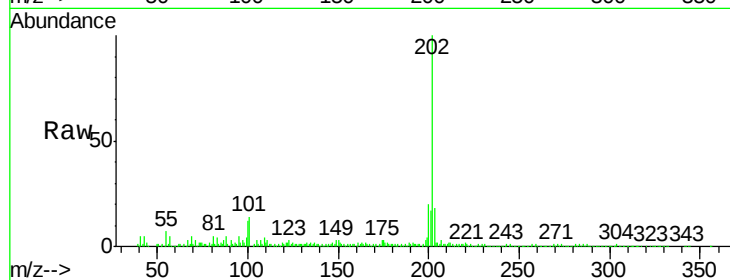
Tot Ion:202 Resp: 273033

Ion Ratio Lower Upper

202 100

101 14.2 12.0 18.0

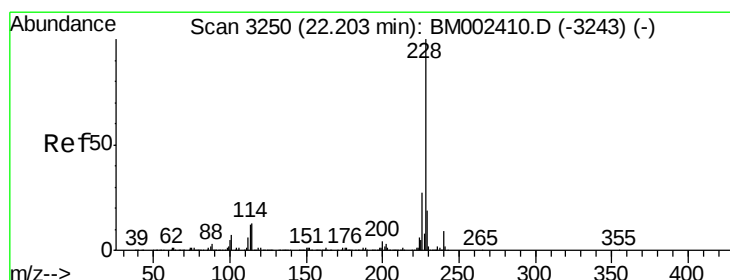
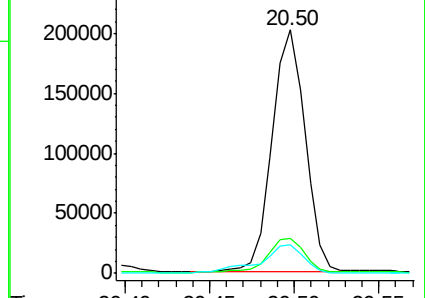
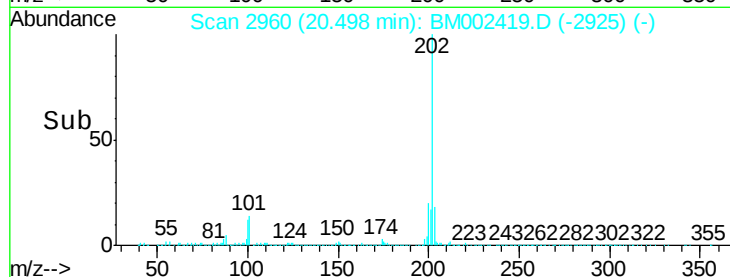
100 11.8 9.7 14.5



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: 4.91 ng/ul

RT: 22.22 min Scan# 3252

Delta R.T. 0.01 min

Lab File: BM002419.D

Acq: 15 Aug 2015 11:43

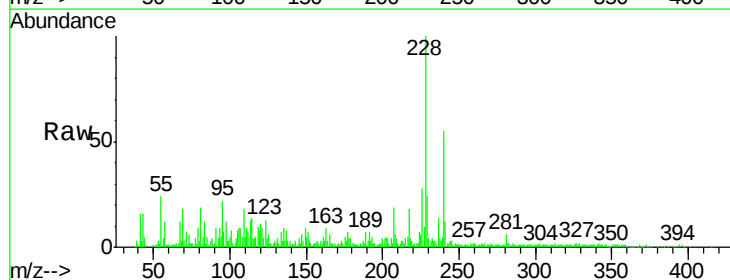
Tgt Ion:228 Resp: 181038

Ion Ratio Lower Upper

228 100

229 23.7 15.8 23.6#

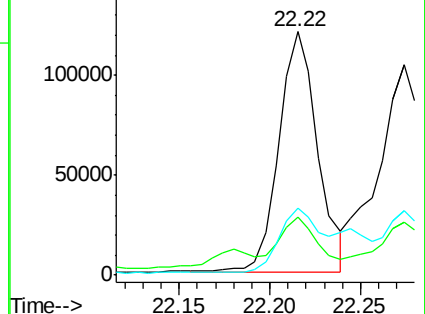
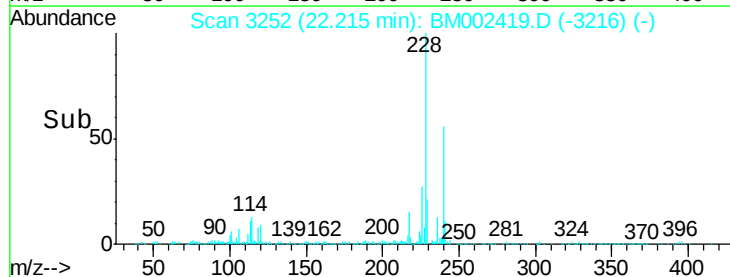
226 27.6 21.1 31.7

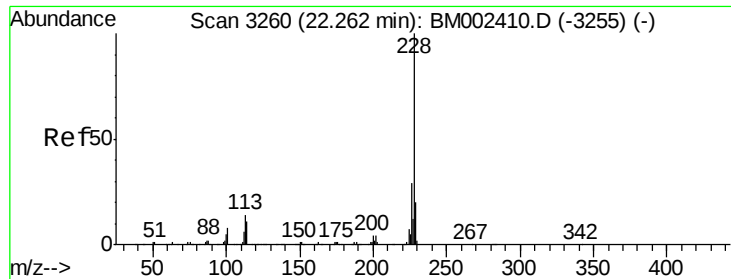


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 5.13 ng/ul

RT: 22.27 min Scan# 3262

Delta R.T. 0.01 min

Lab File: BM002419.D

Acq: 15 Aug 2015 11:43

Instrument :

BNA_M

ClientSampleId :

D9DA5

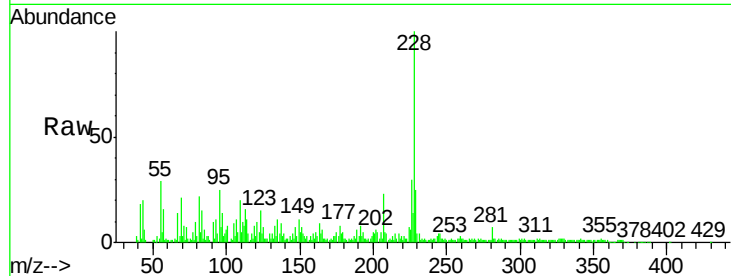
Tot Ion:228 Resp: 176696

Ion Ratio Lower Upper

228 100

226 30.5 23.4 35.2

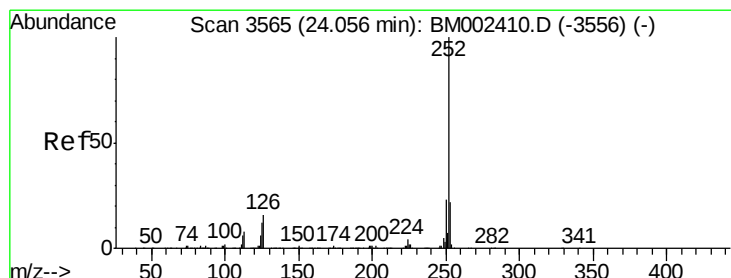
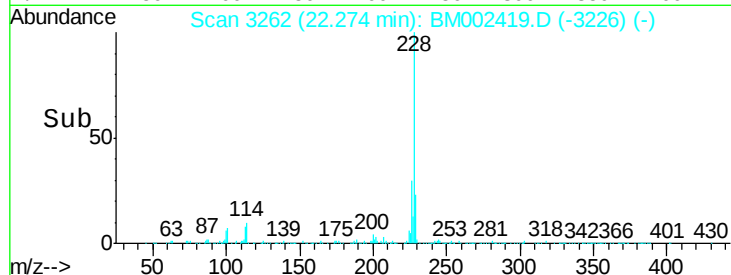
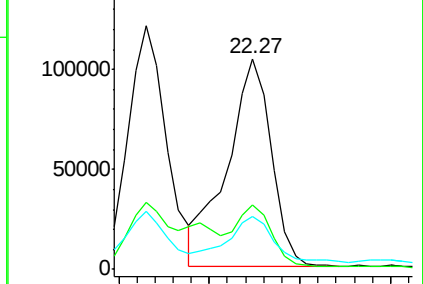
229 25.3 15.7 23.5#



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: 6.62 ng/ul

RT: 24.08 min Scan# 3569

Delta R.T. 0.02 min

Lab File: BM002419.D

Acq: 15 Aug 2015 11:43

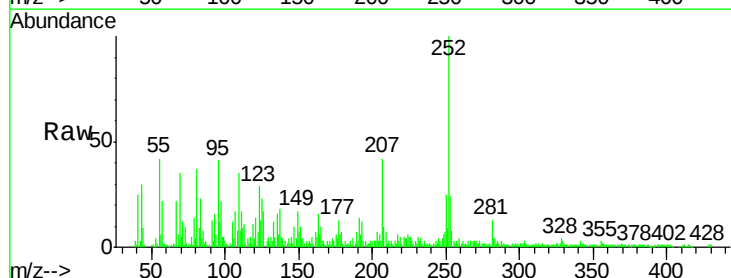
Tgt Ion:252 Resp: 204528

Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.0

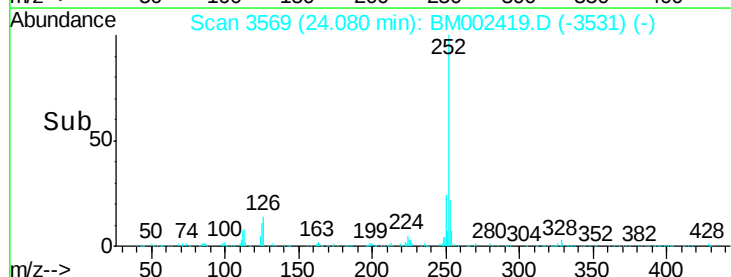
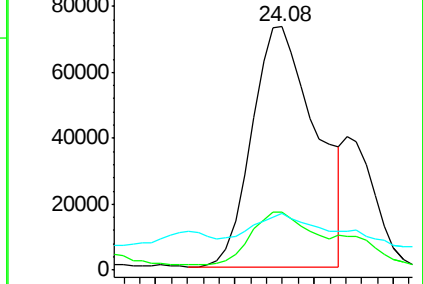
125 23.5 10.0 15.0#

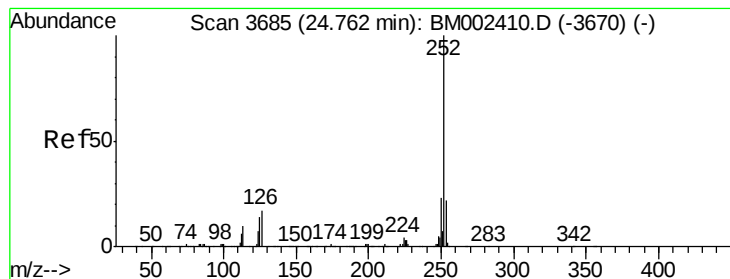


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 3.95 ng/ul

RT: 24.79 min Scan# 3689

Delta R.T. 0.02 min

Lab File: BM002419.D

Acq: 15 Aug 2015 11:43

Instrument :

BNA_M

ClientSampleId :

D9DA5

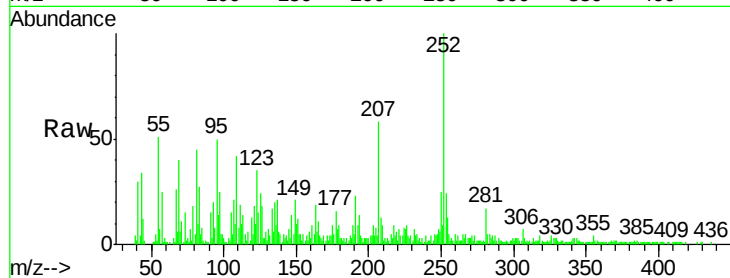
Tot Ion:252 Resp: 116557

Ion Ratio Lower Upper

252 100

253 24.3 17.6 26.4

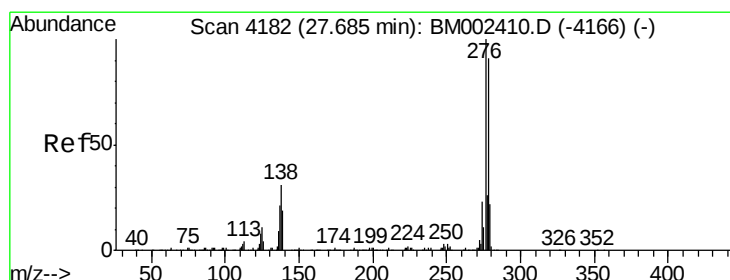
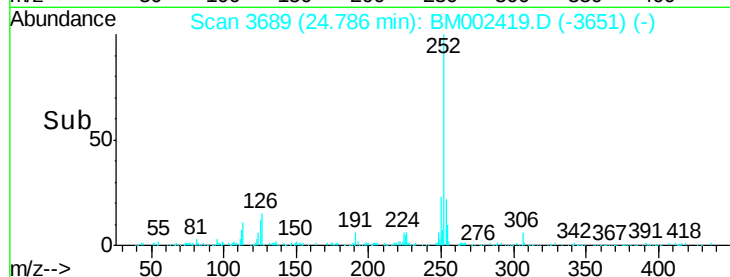
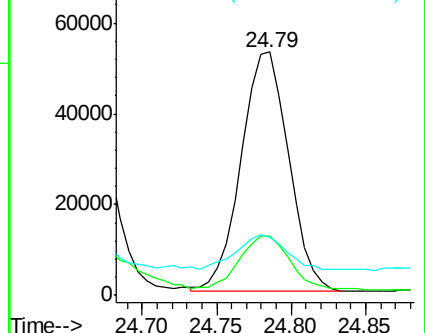
125 24.0 10.7 16.1#



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: 2.47 ng/ul

RT: 27.71 min Scan# 4187

Delta R.T. 0.03 min

Lab File: BM002419.D

Acq: 15 Aug 2015 11:43

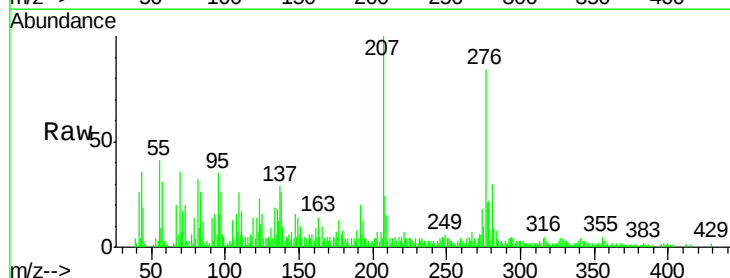
Tgt Ion:276 Resp: 83752

Ion Ratio Lower Upper

276 100

138 30.5 25.3 37.9

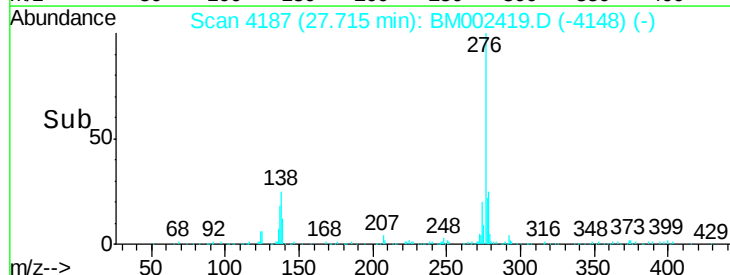
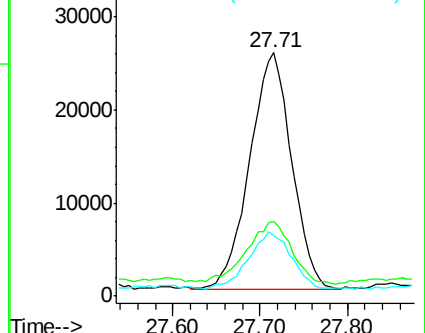
277 24.8 20.2 30.2

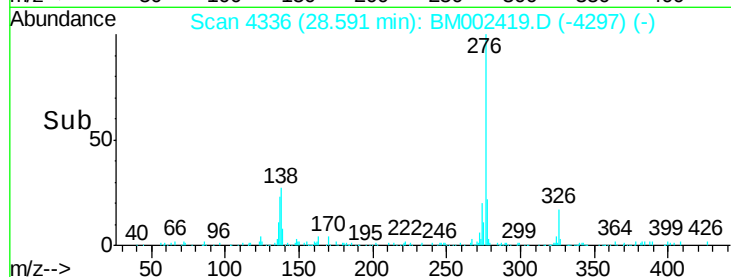
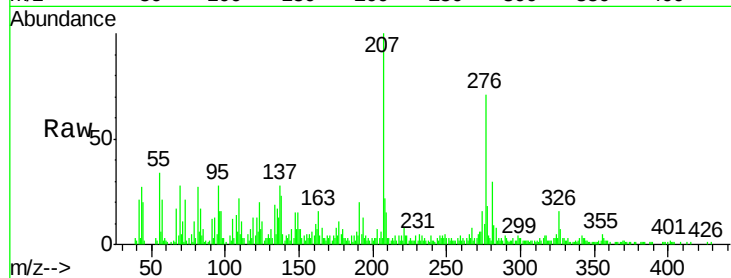
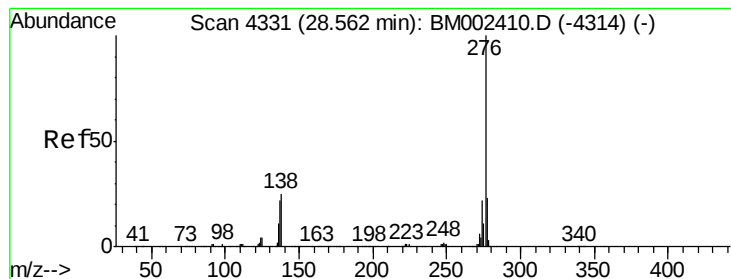


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Benzo(a,h,i)perylene

Concen: 2.77 ng/ul

RT: 28.59 min Scan# 4336

Delta R.T. 0.03 min

Lab File: BM002419.D

Acq: 15 Aug 2015 11:43

Instrument :

BNA_M

ClientSampleId :

D9DA5

Tot Ion:276 Resp: 78334

Ion Ratio Lower Upper

276 100

138 32.5 21.0 31.6#

277 25.3 19.2 28.8

