

Data Path : Z:\HPCHEM1\BNA_M\Data\BM083115\
 Data File : BM002618.D
 Acq On : 01 Sep 2015 08:47
 Operator : UM/IZ
 Sample : G3456-19
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9EA3

Quant Time: Sep 01 11:03:43 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 01 07:11:38 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	125229	20.00	ng/ul	0.00
2) Naphthalene-d8	11.65	136	544281	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.37	164	299402	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.07	188	486455	20.00	ng/ul	0.00
17) Chrysene-d12	22.16	240	413138	20.00	ng/ul	0.00
22) Perylene-d12	24.78	264	384595	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.07	160	447759	14.63	ng/ul	0.00
10) Fluorene-d10	16.34	176	288054	13.40	ng/ul	0.00
14) Anthracene-d10	18.17	188	356281	15.18	ng/ul	0.00
18) Pyrene-d10	20.40	212	305413	16.68	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.62	264	296925	14.70	ng/ul	0.00

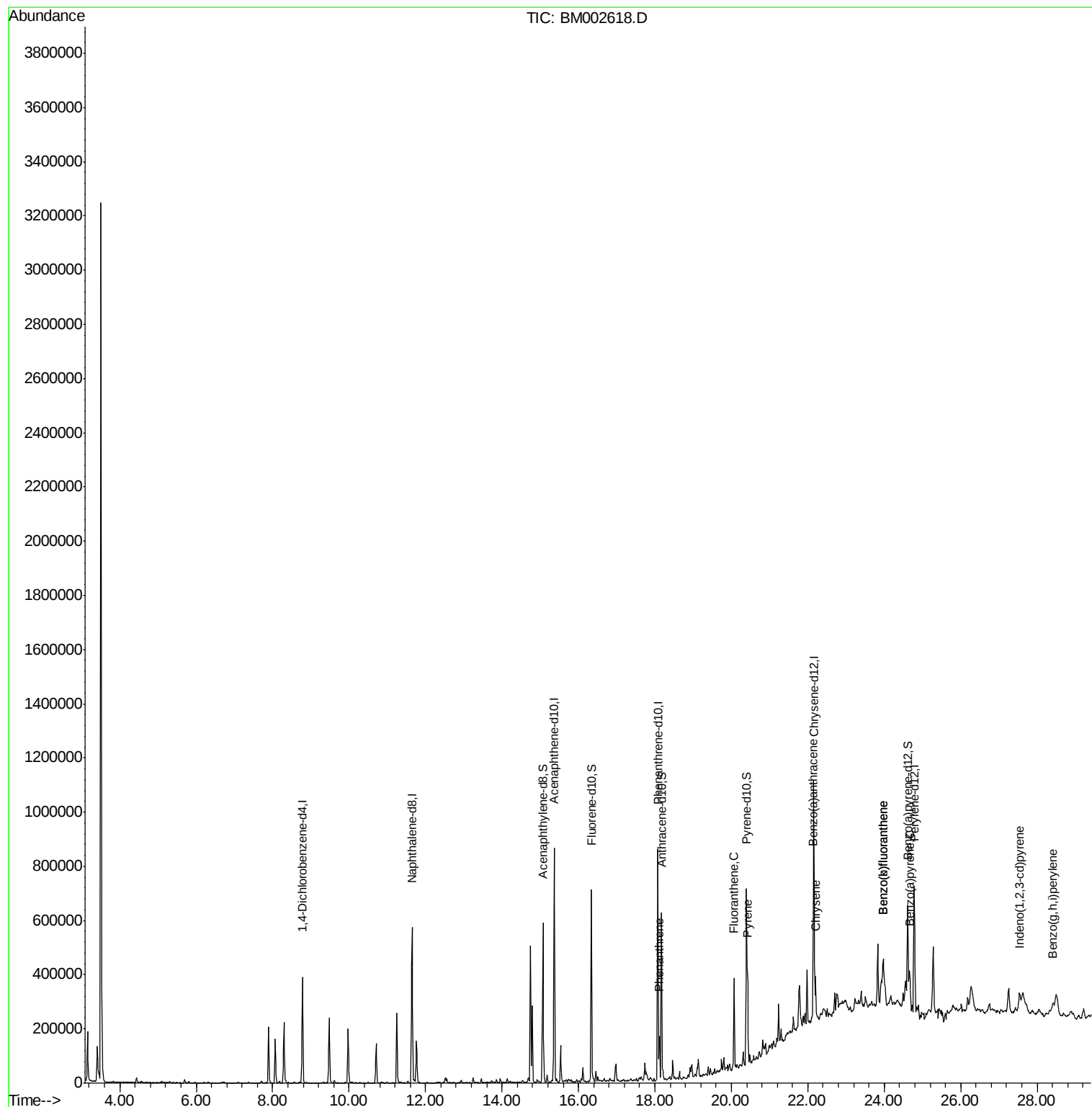
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Phenanthrene	18.12	178	106070	3.78	ng/ul	99
16) Fluoranthene	20.07	202	196991	6.19	ng/ul	97
19) Pyrene	20.43	202	164473	6.80	ng/ul	98
20) Benzo(a)anthracene	22.14	228	89861	3.64	ng/ul	98
21) Chrysene	22.20	228	95928	4.15	ng/ul	97
23) Benzo(b)fluoranthene	23.97	252	143945	6.19	ng/ul#	93
24) Benzo(k)fluoranthene	23.97	252	34552	1.57	ng/ul#	94
26) Benzo(a)pyrene	24.67	252	89965	4.05	ng/ul#	94
27) Indeno(1,2,3-cd)pyrene	27.54	276	71240	2.79	ng/ul	96
29) Benzo(g,h,i)perylene	28.41	276	66913	3.15	ng/ul	97

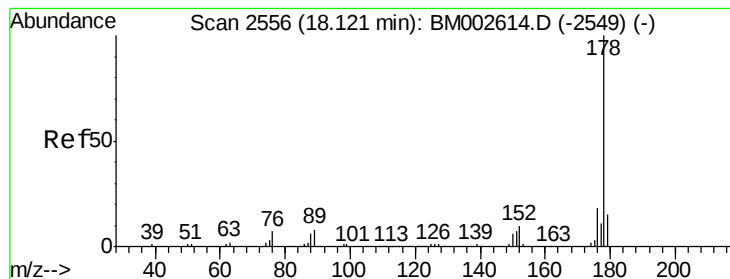
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Phenanthrene

Concen: 3.78 ng/ul

RT: 18.12 min Scan# 2555

Delta R.T. -0.01 min

Lab File: BM002618.D

Acq: 01 Sep 2015 08:47

Instrument :

BNA_M

ClientSampleId :

D9EA3

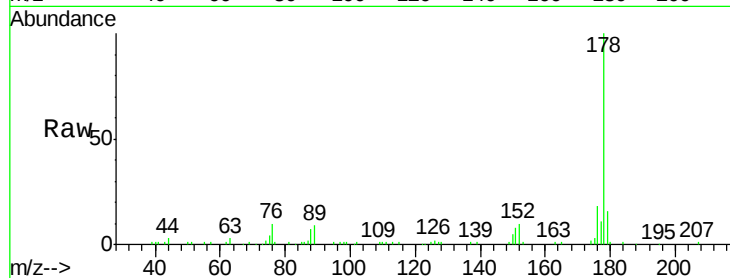
Tgt Ion:178 Resp: 106070

Ion Ratio Lower Upper

178 100

179 15.6 12.4 18.6

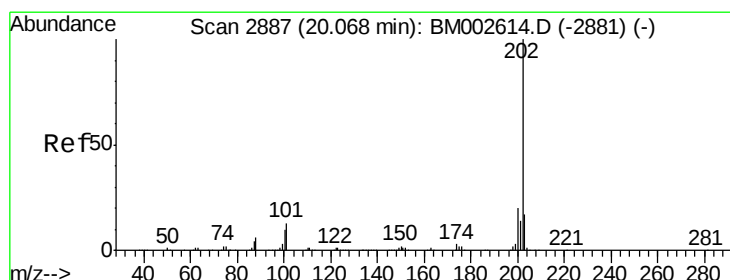
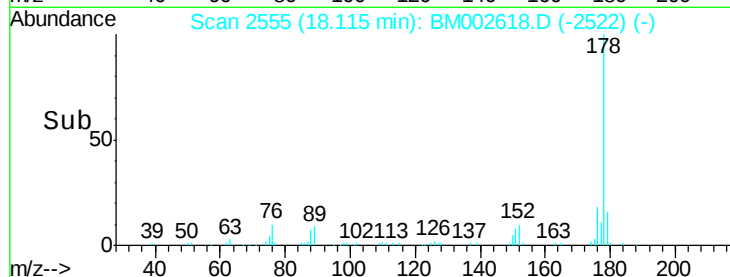
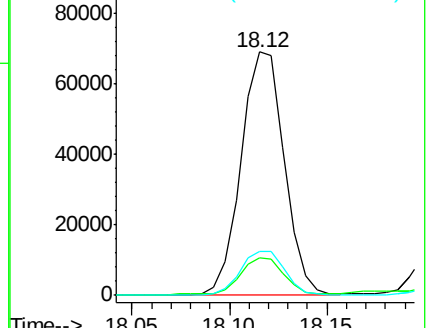
176 18.1 15.1 22.7



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: 6.19 ng/ul

RT: 20.07 min Scan# 2887

Delta R.T. 0.00 min

Lab File: BM002618.D

Acq: 01 Sep 2015 08:47

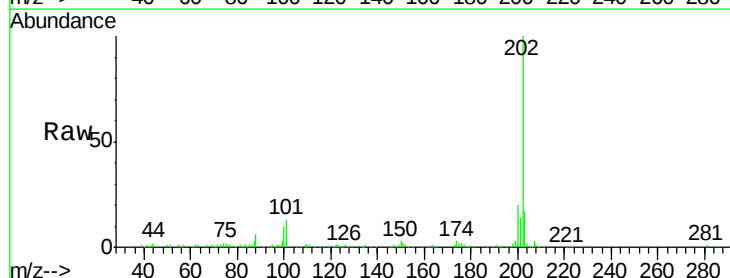
Tgt Ion:202 Resp: 196991

Ion Ratio Lower Upper

202 100

101 13.4 9.7 14.5

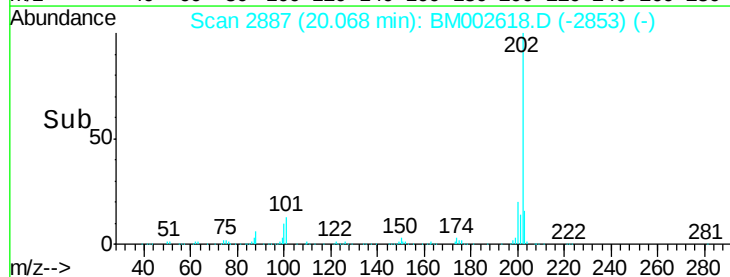
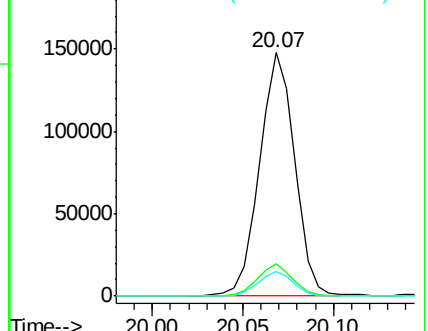
100 10.0 7.4 11.2

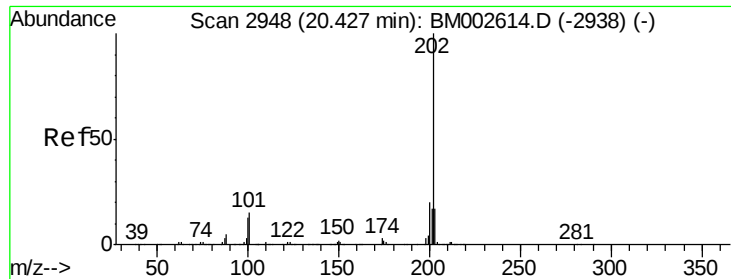


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#19

Pyrene

Concen: 6.80 ng/ul

RT: 20.43 min Scan# 2948

Delta R.T. 0.00 min

Lab File: BM002618.D

Acq: 01 Sep 2015 08:47

Instrument :

BNA_M

ClientSampleId :

D9EA3

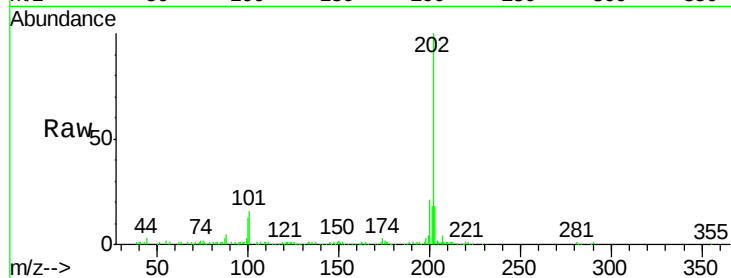
Tgt Ion:202 Resp: 164473

Ion Ratio Lower Upper

202 100

101 15.7 12.0 18.0

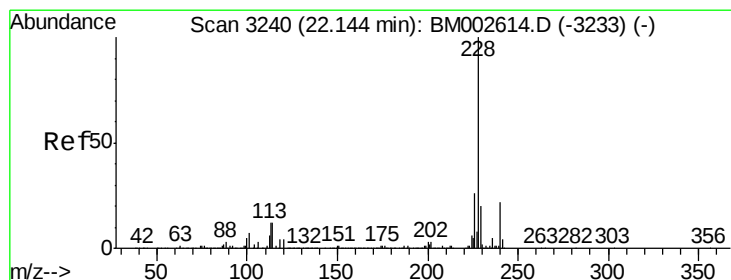
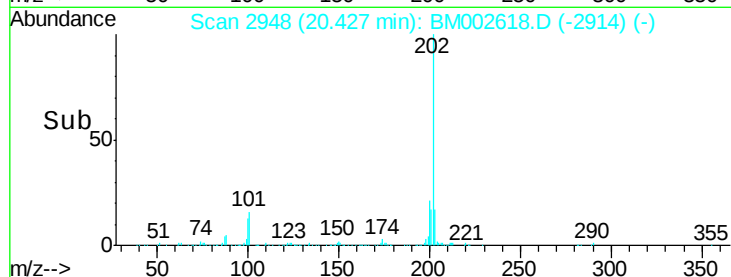
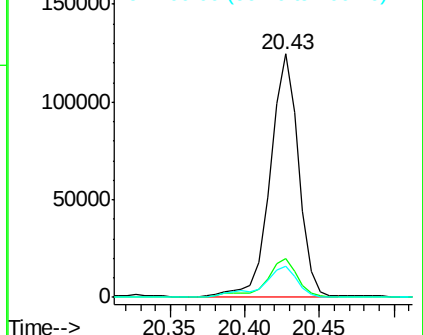
100 12.6 9.7 14.5



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: 3.64 ng/ul

RT: 22.14 min Scan# 3239

Delta R.T. -0.01 min

Lab File: BM002618.D

Acq: 01 Sep 2015 08:47

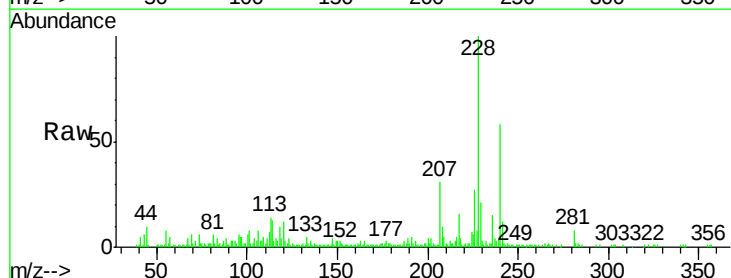
Tgt Ion:228 Resp: 89861

Ion Ratio Lower Upper

228 100

229 21.3 15.8 23.6

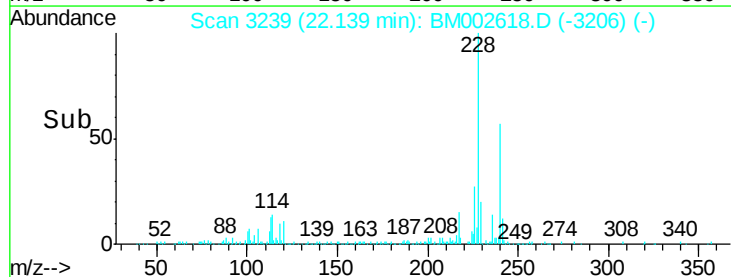
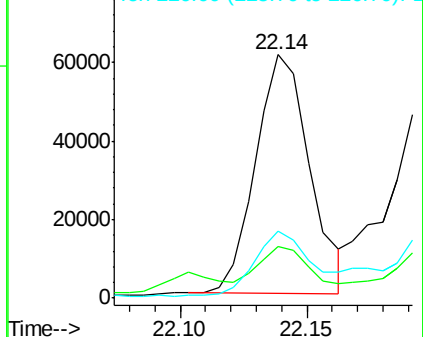
226 27.3 21.1 31.7

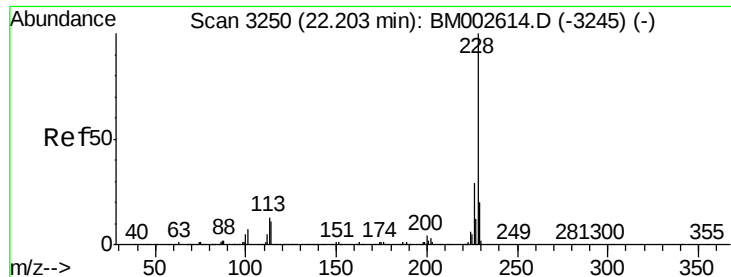


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 4.15 ng/ul

RT: 22.20 min Scan# 3249

Delta R.T. -0.01 min

Lab File: BM002618.D

Acq: 01 Sep 2015 08:47

Instrument :

BNA_M

ClientSampleId :

D9EA3

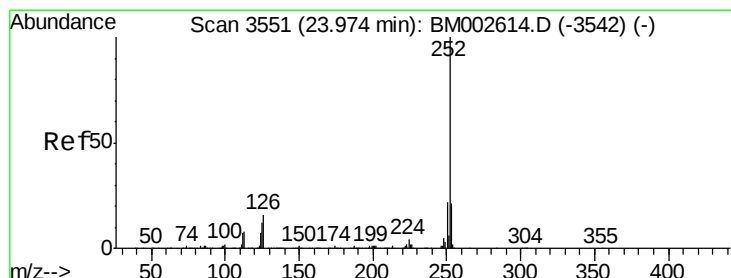
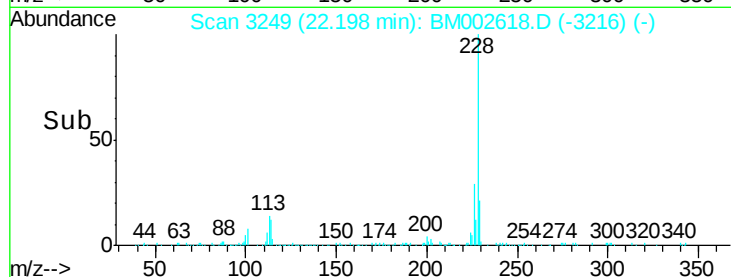
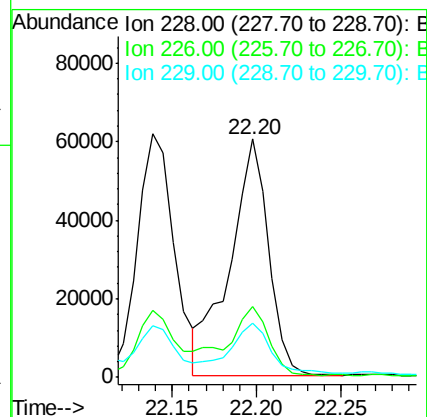
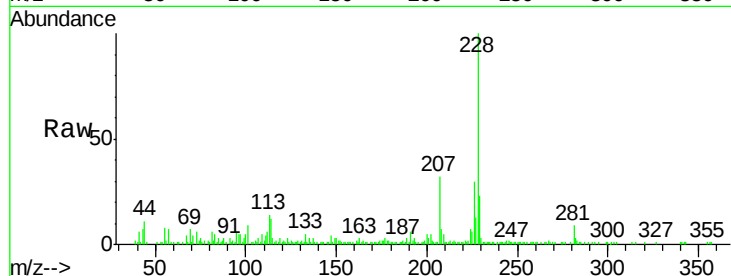
Tgt Ion:228 Resp: 95928

Ion Ratio Lower Upper

228 100

226 29.6 23.4 35.2

229 22.9 15.7 23.5



#23

Benzo(b)fluoranthene

Concen: 6.19 ng/ul

RT: 23.97 min Scan# 3551

Delta R.T. 0.00 min

Lab File: BM002618.D

Acq: 01 Sep 2015 08:47

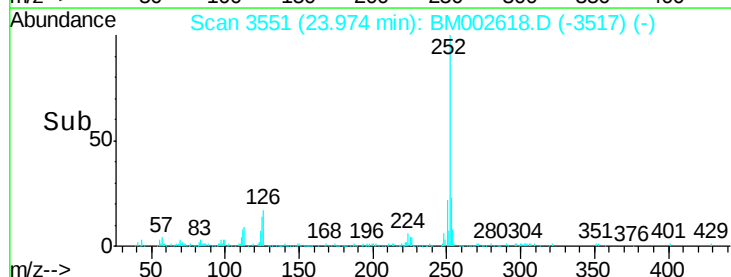
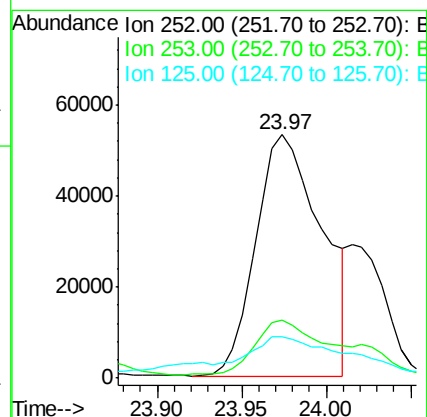
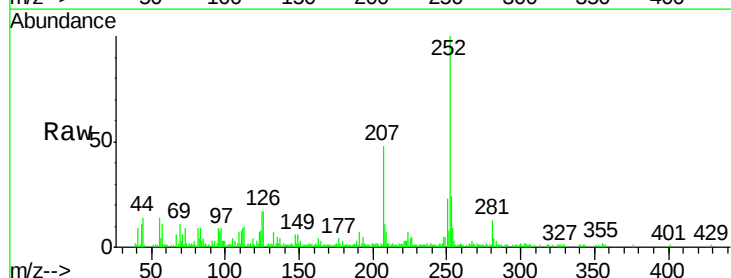
Tgt Ion:252 Resp: 143945

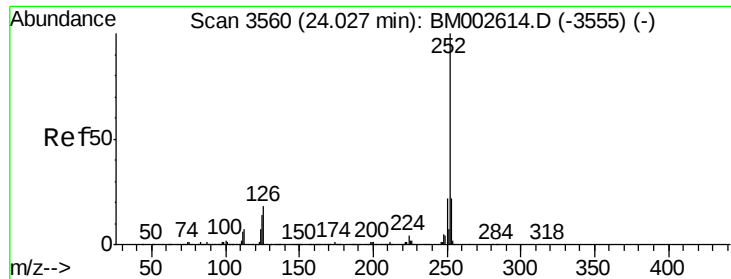
Ion Ratio Lower Upper

252 100

253 23.9 17.4 26.0

125 16.8 10.0 15.0#

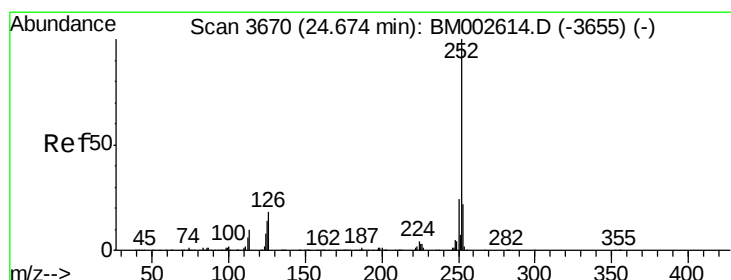
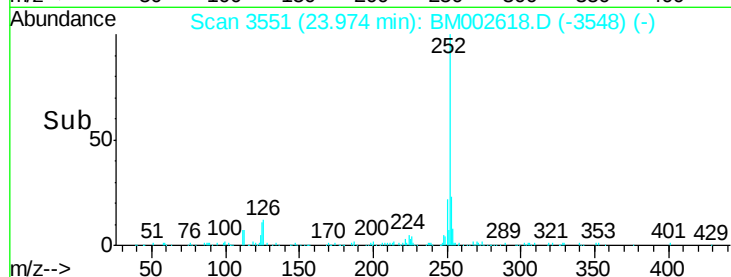
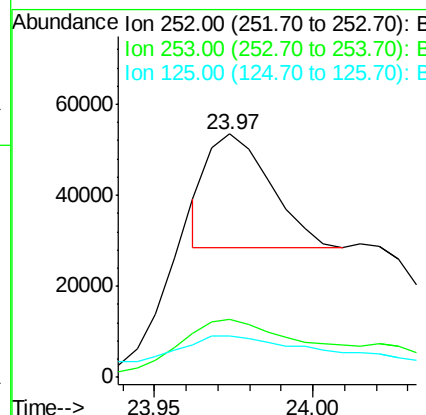
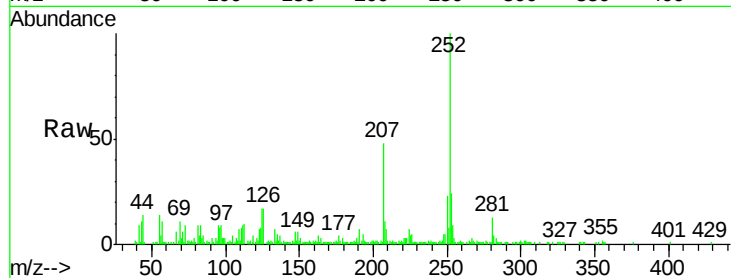




#24
Benzo(k)fluoranthene
Concen: 1.57 ng/ul
RT: 23.97 min Scan# 3551
Delta R.T. -0.05 min
Lab File: BM002618.D
Acq: 01 Sep 2015 08:47

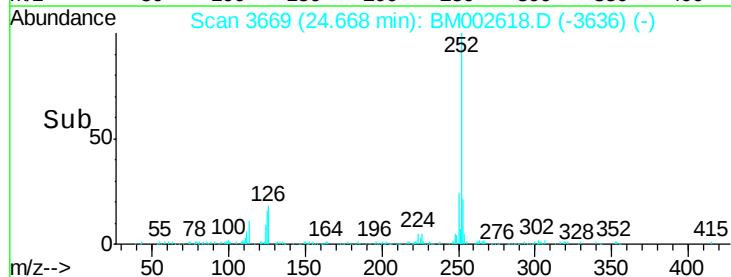
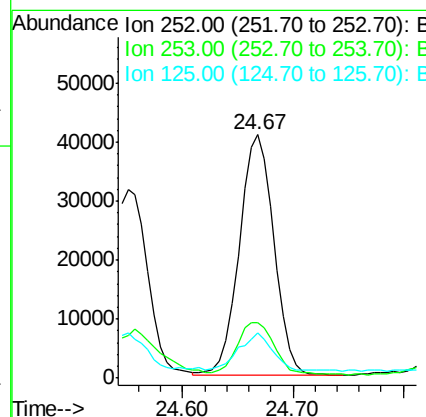
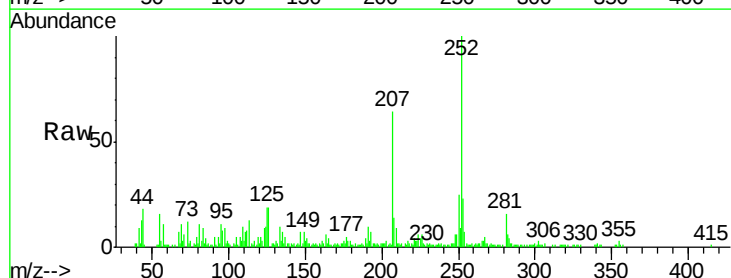
Instrument :
BNA_M
ClientSampleId :
D9EA3

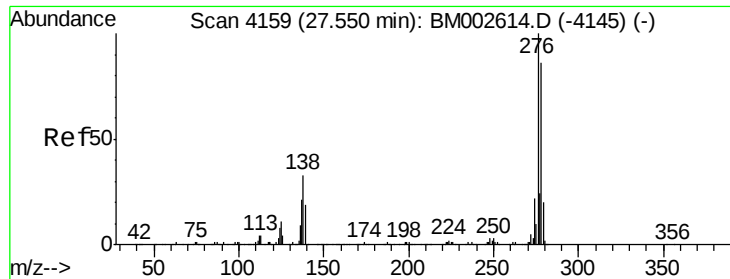
Tgt Ion: 252 Resp: 34552
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.6
125 16.8 9.8 14.8#



#26
Benzo(a)pyrene
Concen: 4.05 ng/ul
RT: 24.67 min Scan# 3669
Delta R.T. -0.01 min
Lab File: BM002618.D
Acq: 01 Sep 2015 08:47

Tgt Ion: 252 Resp: 89965
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 18.6 10.7 16.1#





#27

Indeno(1,2,3-cd)pyrene

Concen: 2.79 ng/ul

RT: 27.54 min Scan# 4158

Delta R.T. -0.01 min

Lab File: BM002618.D

Acq: 01 Sep 2015 08:47

Instrument :

BNA_M

ClientSampleId :

D9EA3

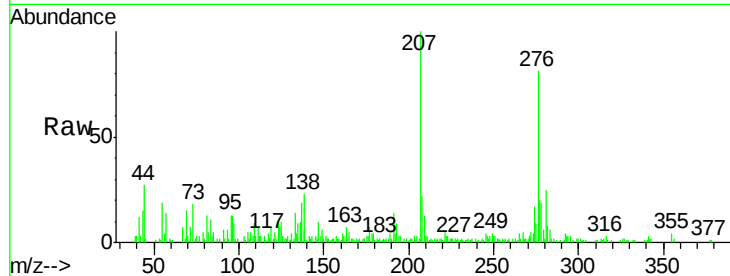
Tgt Ion:276 Resp: 71240

Ion Ratio Lower Upper

276 100

138 28.5 25.3 37.9

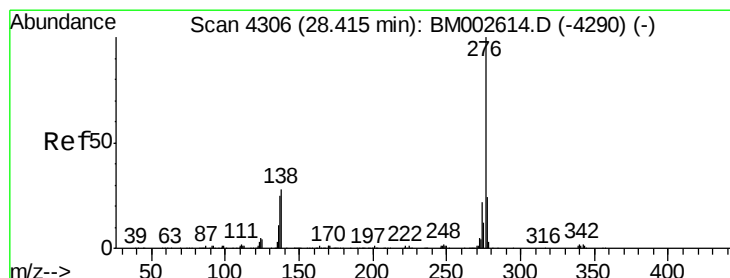
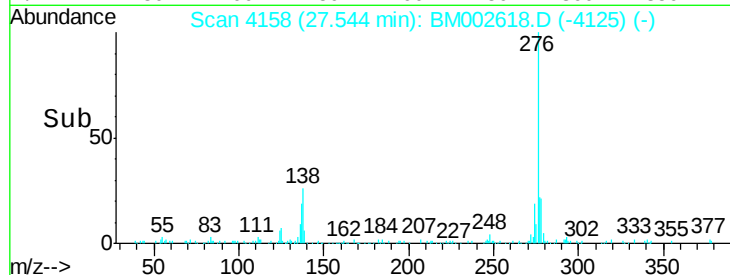
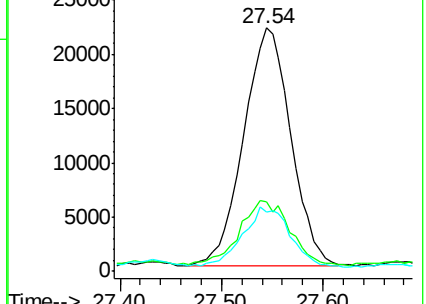
277 24.4 20.2 30.2



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(g,h,i)perylene

Concen: 3.15 ng/ul

RT: 28.41 min Scan# 4306

Delta R.T. 0.00 min

Lab File: BM002618.D

Acq: 01 Sep 2015 08:47

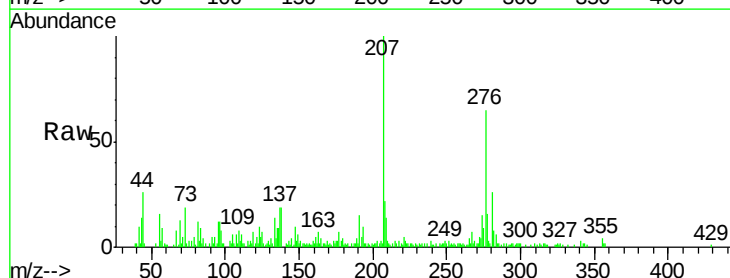
Tgt Ion:276 Resp: 66913

Ion Ratio Lower Upper

276 100

138 29.7 21.0 31.6

277 24.0 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

