

Data Path : Z:\HPCHEM1\BNA_M\Data\BM083115\
 Data File : BM002628.D
 Acq On : 01 Sep 2015 14:52
 Operator : UM/IZ
 Sample : G3456-15
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9E99

Quant Time: Sep 01 15:29:57 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	118157	20.00	ng/ul	0.00
2) Naphthalene-d8	11.65	136	520471	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.37	164	247280	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.08	188	417669	20.00	ng/ul	0.00
17) Chrysene-d12	22.16	240	346303	20.00	ng/ul	0.00
22) Perylene-d12	24.79	264	356545	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.07	160	352328	13.94	ng/ul	0.00
10) Fluorene-d10	16.34	176	222651	12.54	ng/ul	0.00
14) Anthracene-d10	18.17	188	269747	13.39	ng/ul	0.00
18) Pyrene-d10	20.40	212	221595	14.44	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.62	264	200905	10.73	ng/ul	0.00

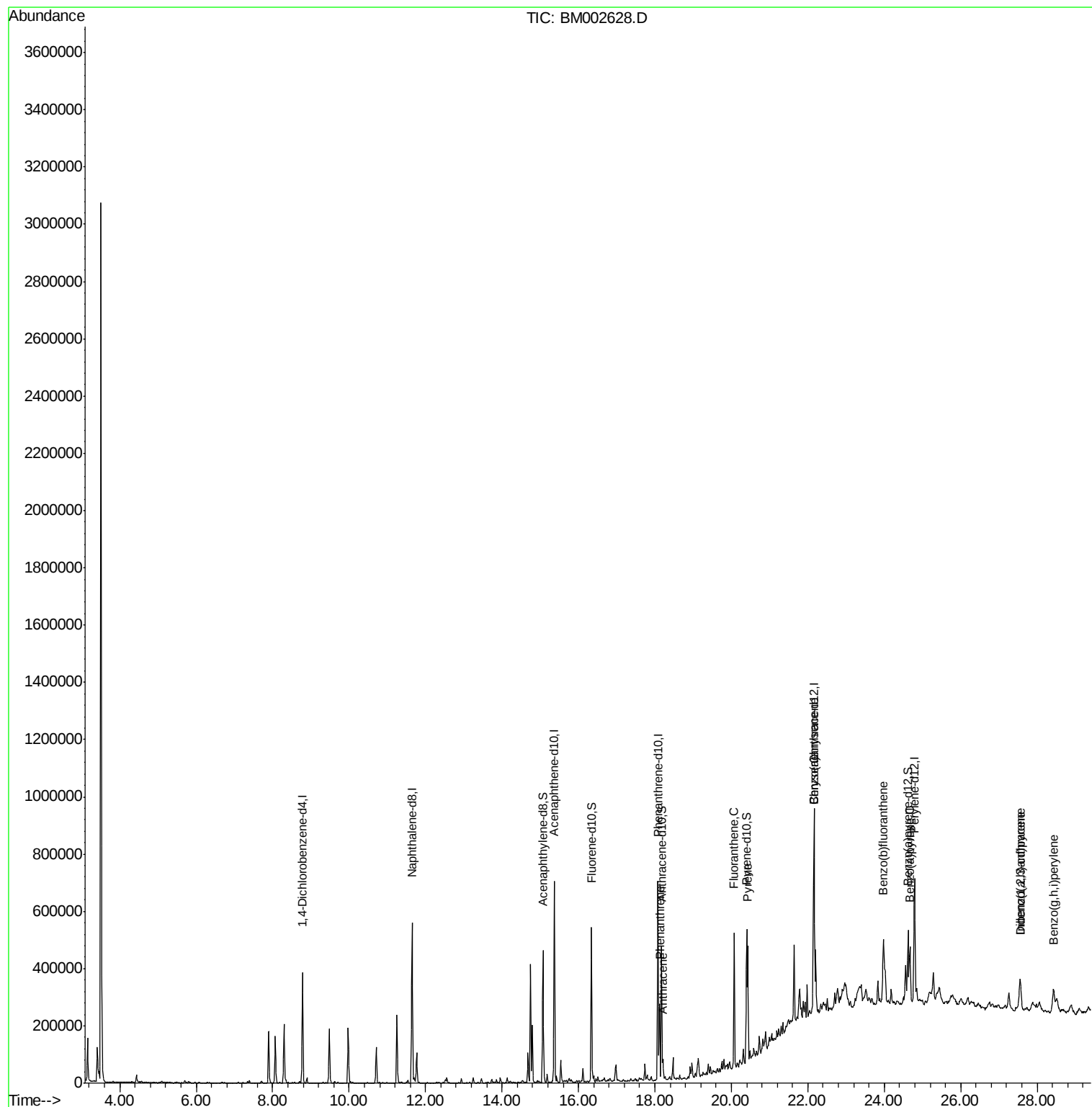
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Phenanthrene	18.12	178	164224	6.81	ng/ul	100
15) Anthracene	18.21	178	43505	1.78	ng/ul	98
16) Fluoranthene	20.07	202	283127	10.37	ng/ul	98
19) Pyrene	20.43	202	243366	12.00	ng/ul	100
20) Benzo(a)anthracene	22.14	228	144742	6.99	ng/ul	98
21) Chrysene	22.14	228	144742	7.47	ng/ul	95
23) Benzo(b)fluoranthene	23.98	252	217558	10.09	ng/ul	97
26) Benzo(a)pyrene	24.67	252	142599	6.93	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	27.56	276	111477	4.71	ng/ul	95
28) Dibenzo(a,h)anthracene	27.55	278	32509	1.64	ng/ul#	77
29) Benzo(g,h,i)perylene	28.43	276	103383	5.25	ng/ul	94

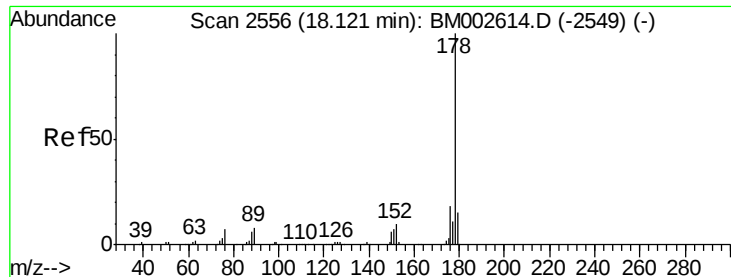
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Phenanthrene

Concen: 6.81 ng/ul

RT: 18.12 min Scan# 2556

Delta R.T. 0.00 min

Lab File: BM002628.D

Acq: 01 Sep 2015 14:52

Instrument :

BNA_M

ClientSampleId :

D9E99

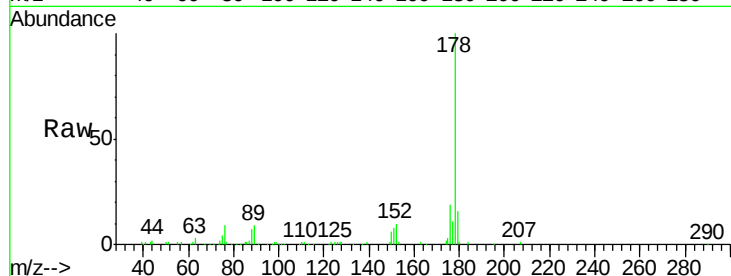
Tgt Ion:178 Resp: 164224

Ion Ratio Lower Upper

178 100

179 15.8 12.4 18.6

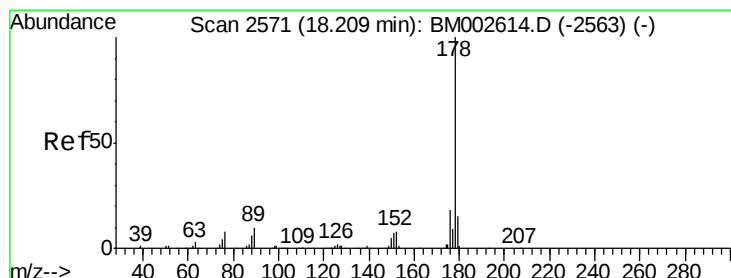
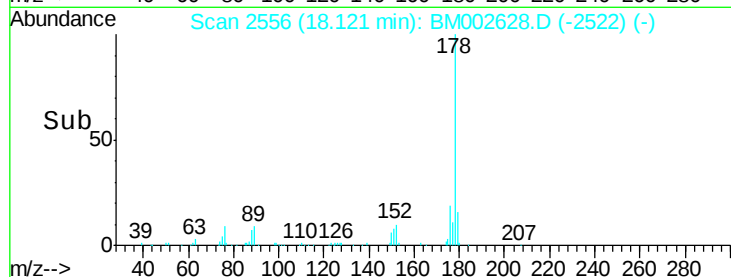
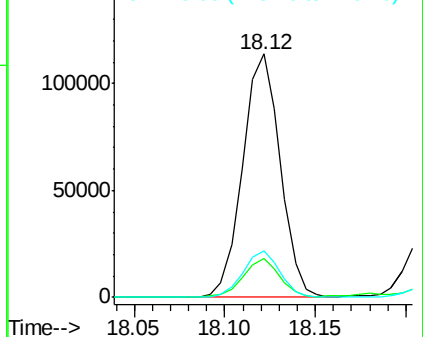
176 18.9 15.1 22.7



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: 1.78 ng/ul

RT: 18.21 min Scan# 2571

Delta R.T. 0.00 min

Lab File: BM002628.D

Acq: 01 Sep 2015 14:52

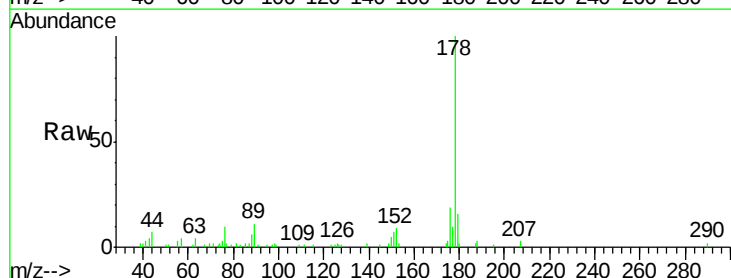
Tgt Ion:178 Resp: 43505

Ion Ratio Lower Upper

178 100

179 16.0 12.6 18.8

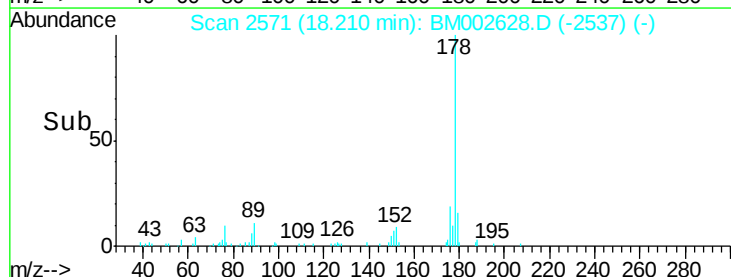
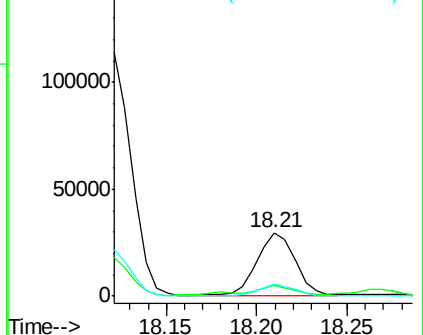
176 19.5 14.5 21.7

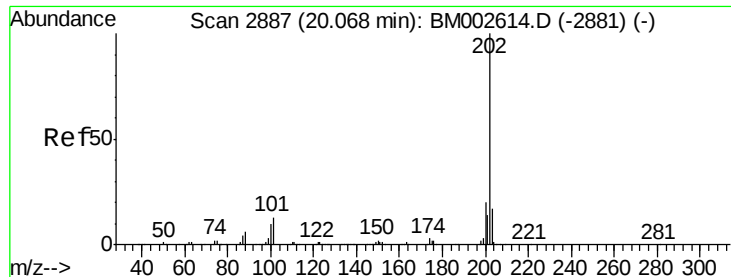


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

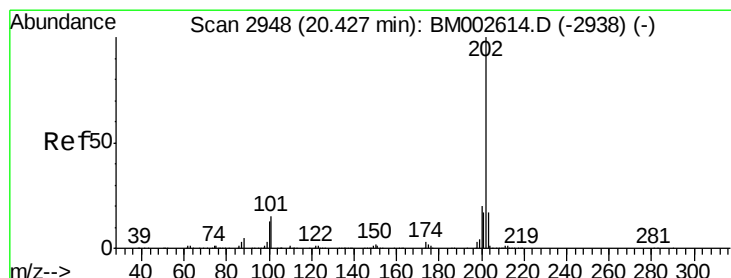
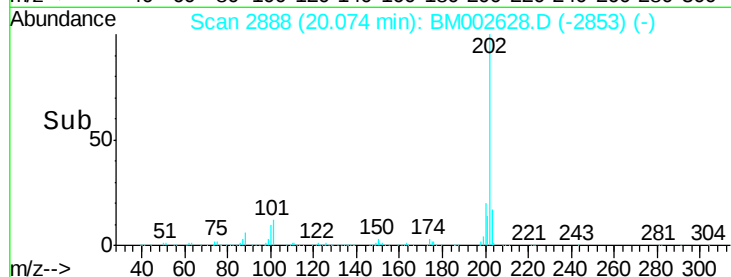
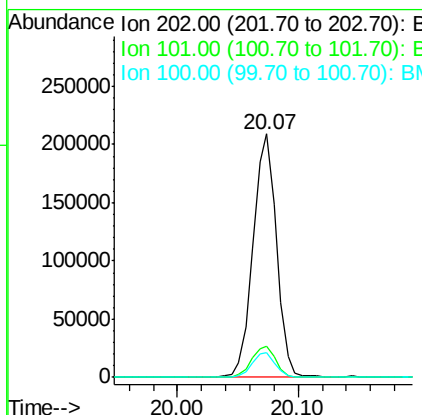
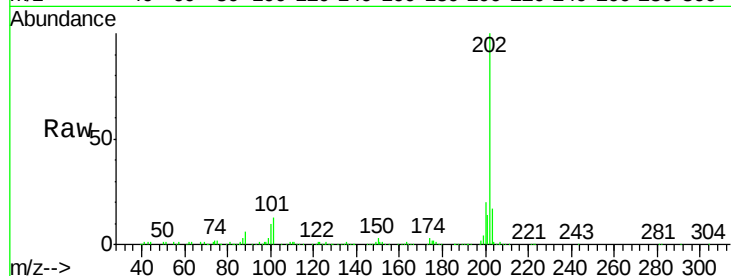




#16
 Fluoranthene
 Concen: 10.37 ng/ul
 RT: 20.07 min Scan# 2888
 Delta R.T. 0.01 min
 Lab File: BM002628.D
 Acq: 01 Sep 2015 14:52

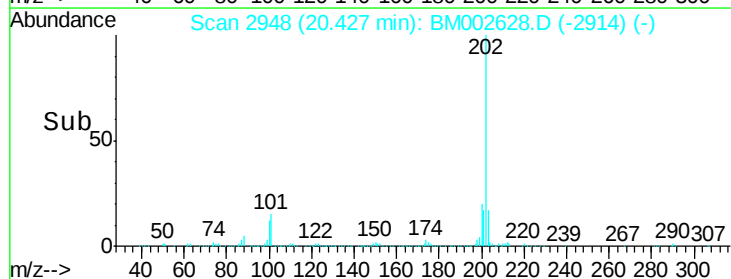
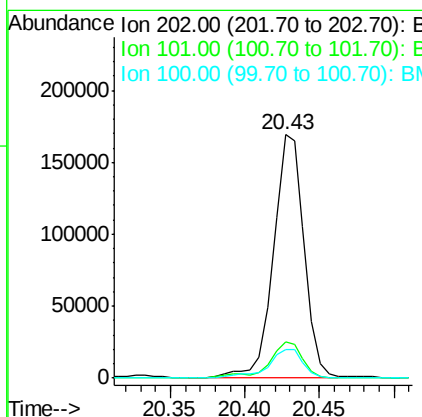
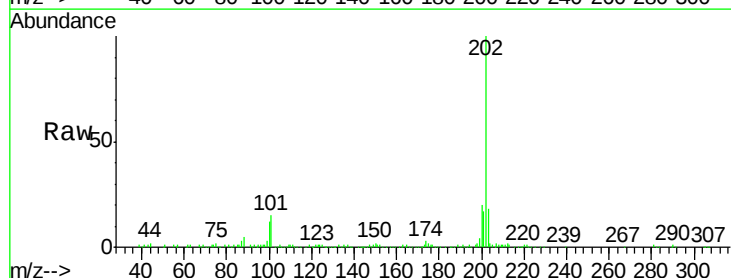
Instrument :
 BNA_M
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 D9E99

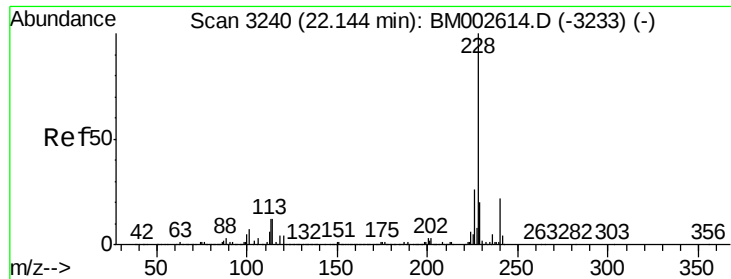
Tgt Ion: 202 Resp: 283127
 Ion Ratio Lower Upper
 202 100
 101 12.7 9.7 14.5
 100 10.0 7.4 11.2



#19
 Pyrene
 Concen: 12.00 ng/ul
 RT: 20.43 min Scan# 2948
 Delta R.T. 0.00 min
 Lab File: BM002628.D
 Acq: 01 Sep 2015 14:52

Tgt Ion: 202 Resp: 243366
 Ion Ratio Lower Upper
 202 100
 101 15.1 12.0 18.0
 100 11.9 9.7 14.5





#20

Benzo(a)anthracene

Concen: 6.99 ng/ul

RT: 22.14 min Scan# 3240

Delta R.T. 0.00 min

Lab File: BM002628.D

Acq: 01 Sep 2015 14:52

Instrument :

BNA_M

ClientSampleId :

D9E99

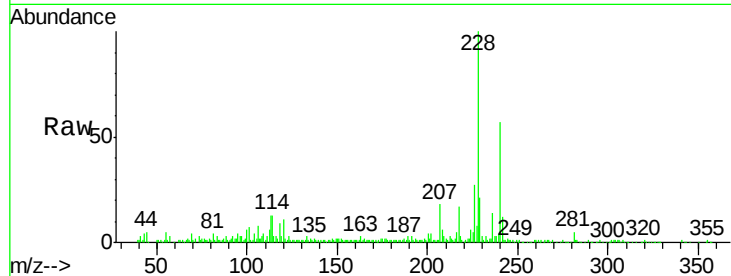
Tgt Ion:228 Resp: 144742

Ion Ratio Lower Upper

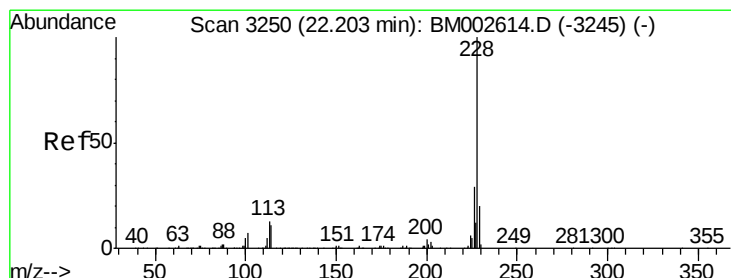
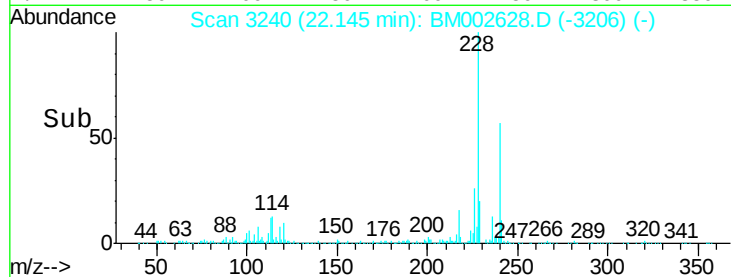
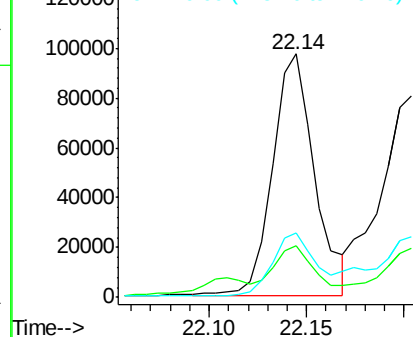
228 100

229 21.4 15.8 23.6

226 26.6 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: 7.47 ng/ul

RT: 22.14 min Scan# 3240

Delta R.T. -0.06 min

Lab File: BM002628.D

Acq: 01 Sep 2015 14:52

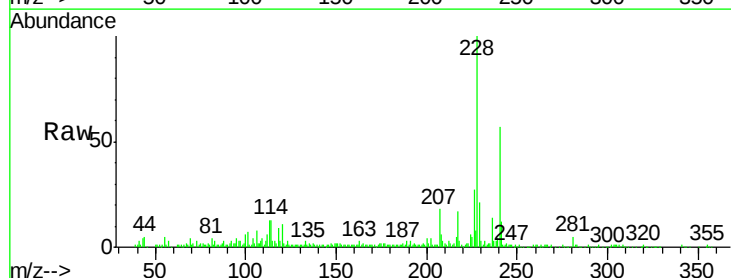
Tgt Ion:228 Resp: 144742

Ion Ratio Lower Upper

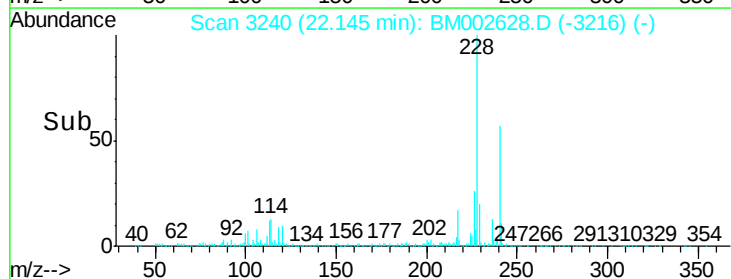
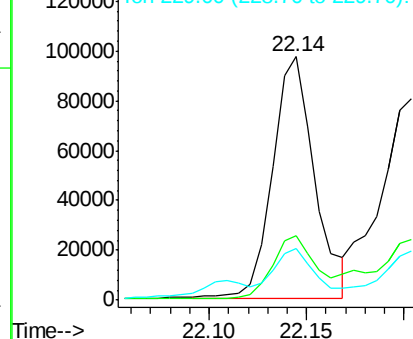
228 100

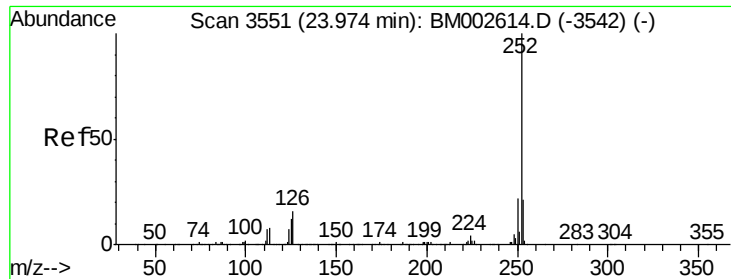
226 26.6 23.4 35.2

229 21.4 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: 10.09 ng/u1

RT: 23.98 min Scan# 3552

Delta R.T. 0.01 min

Lab File: BM002628.D

Acq: 01 Sep 2015 14:52

Instrument :

BNA_M

ClientSampled :

D9E99

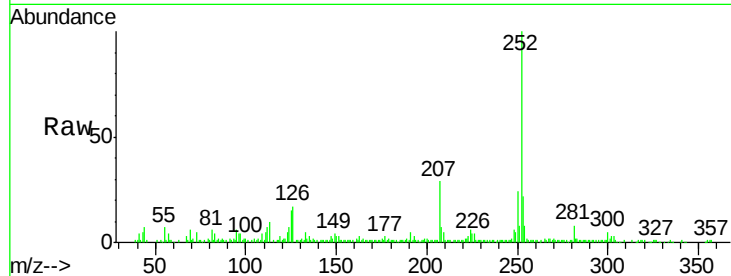
Tgt Ion:252 Resp: 217558

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.0

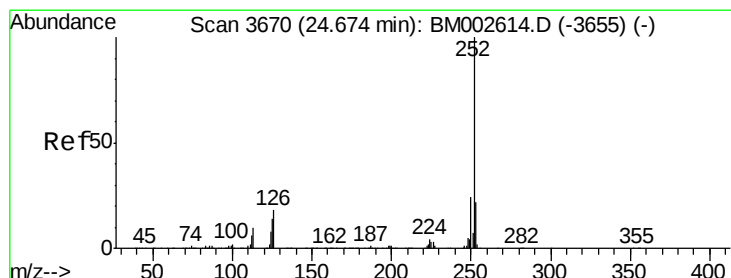
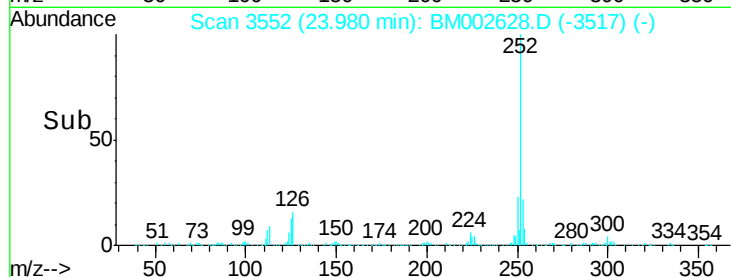
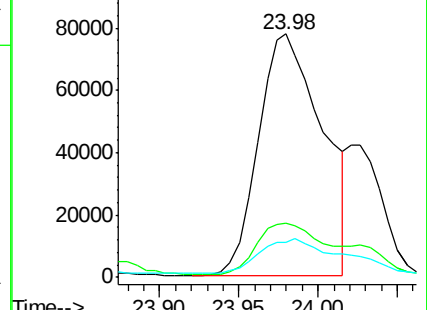
125 14.6 10.0 15.0



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: 6.93 ng/u1

RT: 24.67 min Scan# 3670

Delta R.T. 0.00 min

Lab File: BM002628.D

Acq: 01 Sep 2015 14:52

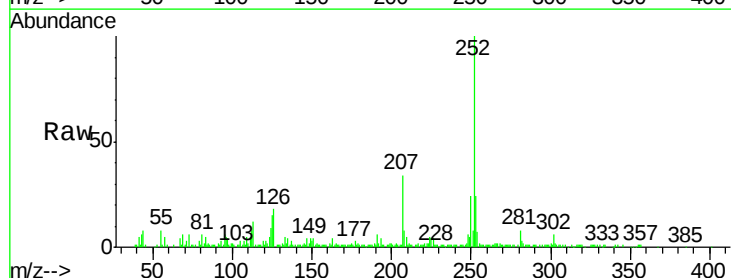
Tgt Ion:252 Resp: 142599

Ion Ratio Lower Upper

252 100

253 23.8 17.6 26.4

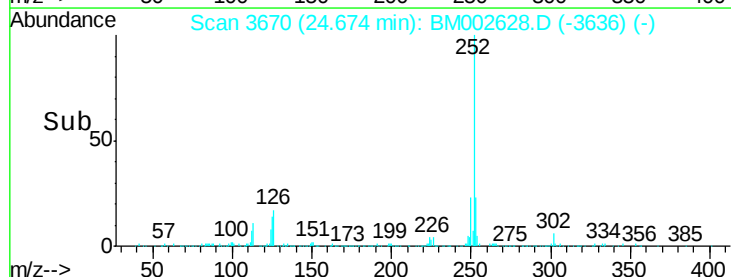
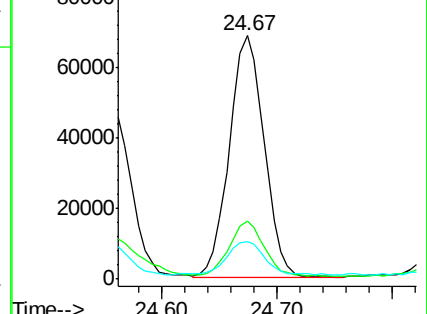
125 15.2 10.7 16.1

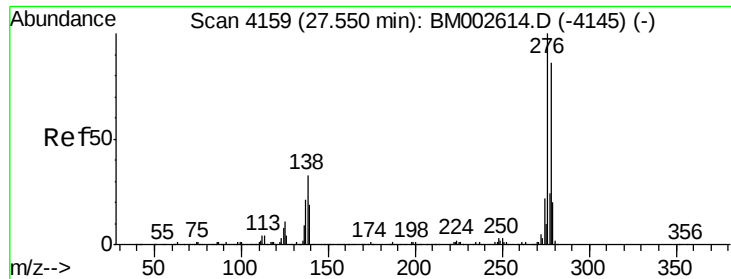


Abundance Ion 252.00 (251.70 to 252.70): E

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: 4.71 ng/ul

RT: 27.56 min Scan# 4161

Delta R.T. 0.01 min

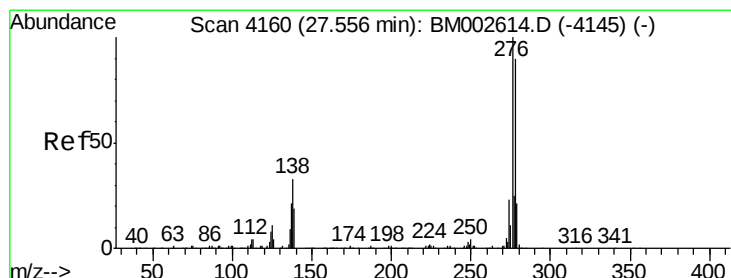
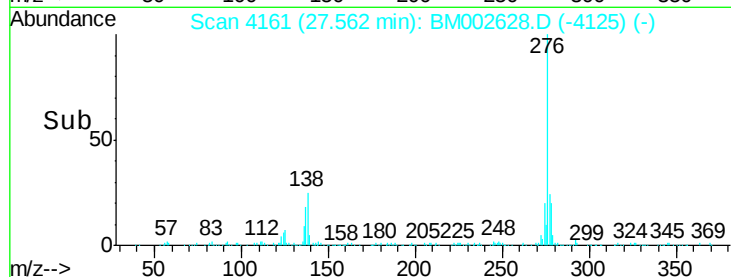
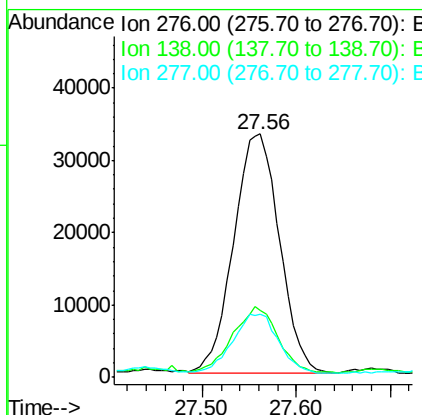
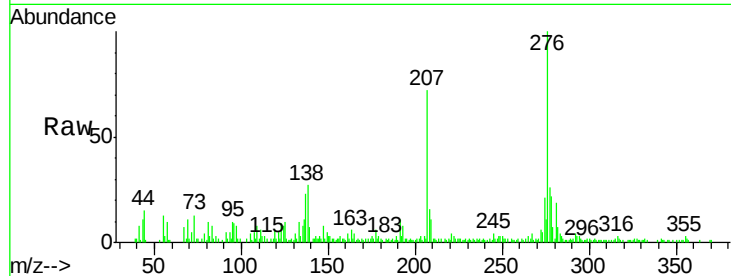
Lab File: BM002628.D

Acq: 01 Sep 2015 14:52

Instrument :
BNA_M
ClientSampleId :
D9E99

Tgt Ion:276 Resp: 111477

Ion	Ratio	Lower	Upper
276	100		
138	27.3	25.3	37.9
277	26.0	20.2	30.2



#28

Dibenzo(a,h)anthracene

Concen: 1.64 ng/ul

RT: 27.55 min Scan# 4159

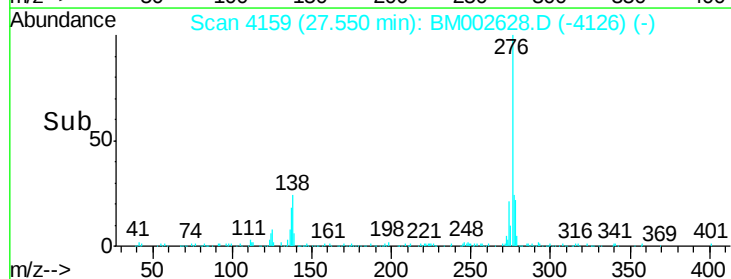
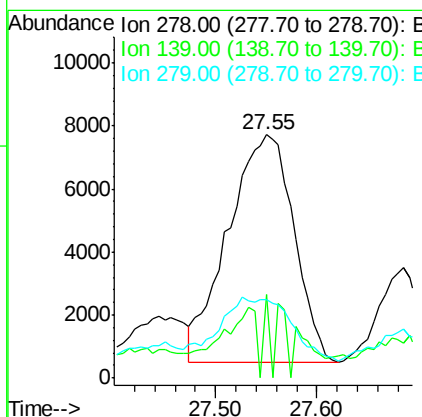
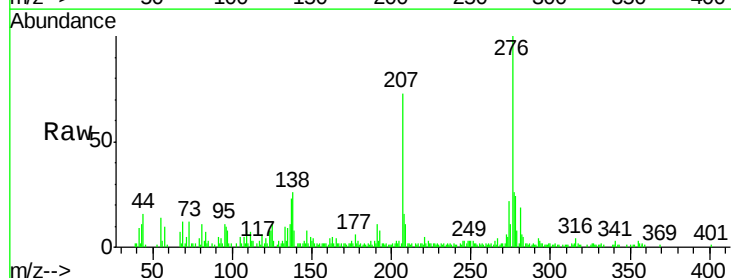
Delta R.T. -0.01 min

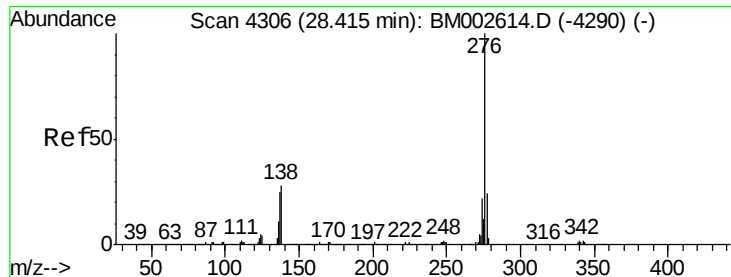
Lab File: BM002628.D

Acq: 01 Sep 2015 14:52

Tgt Ion:278 Resp: 32509

Ion	Ratio	Lower	Upper
278	100		
139	34.5	16.5	24.7#
279	32.0	18.8	28.2#





#29

Benzo(g,h,i)perylene

Concen: 5.25 ng/ul

RT: 28.43 min Scan# 4308

Delta R.T. 0.01 min

Lab File: BM002628.D

Acq: 01 Sep 2015 14:52

Instrument :

BNA_M

ClientSampleId :

D9E99

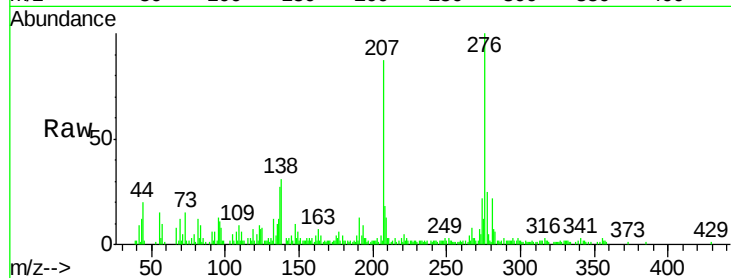
Tgt Ion: 276 Resp: 103383

Ion Ratio Lower Upper

276 100

138 31.2 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

