

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082915\
 Data File : BM002577.D
 Acq On : 29 Aug 2015 22:45
 Operator : UM/IZ
 Sample : G3455-15
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9E80

Quant Time: Aug 31 01:35:29 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 31 01:34:36 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	158576	20.00	ng/ul	0.00
2) Naphthalene-d8	11.65	136	667159	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.37	164	288324	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.07	188	499638	20.00	ng/ul	0.00
17) Chrysene-d12	22.16	240	479873	20.00	ng/ul	0.00
22) Perylene-d12	24.79	264	502094	20.00	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.07	160	485484	16.47	ng/ul	0.00
10) Fluorene-d10	16.34	176	300634	14.52	ng/ul	0.00
14) Anthracene-d10	18.17	188	375802	15.59	ng/ul	0.00
18) Pyrene-d10	20.40	212	335002	15.75	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.61	264	282105	10.70	ng/ul	0.00

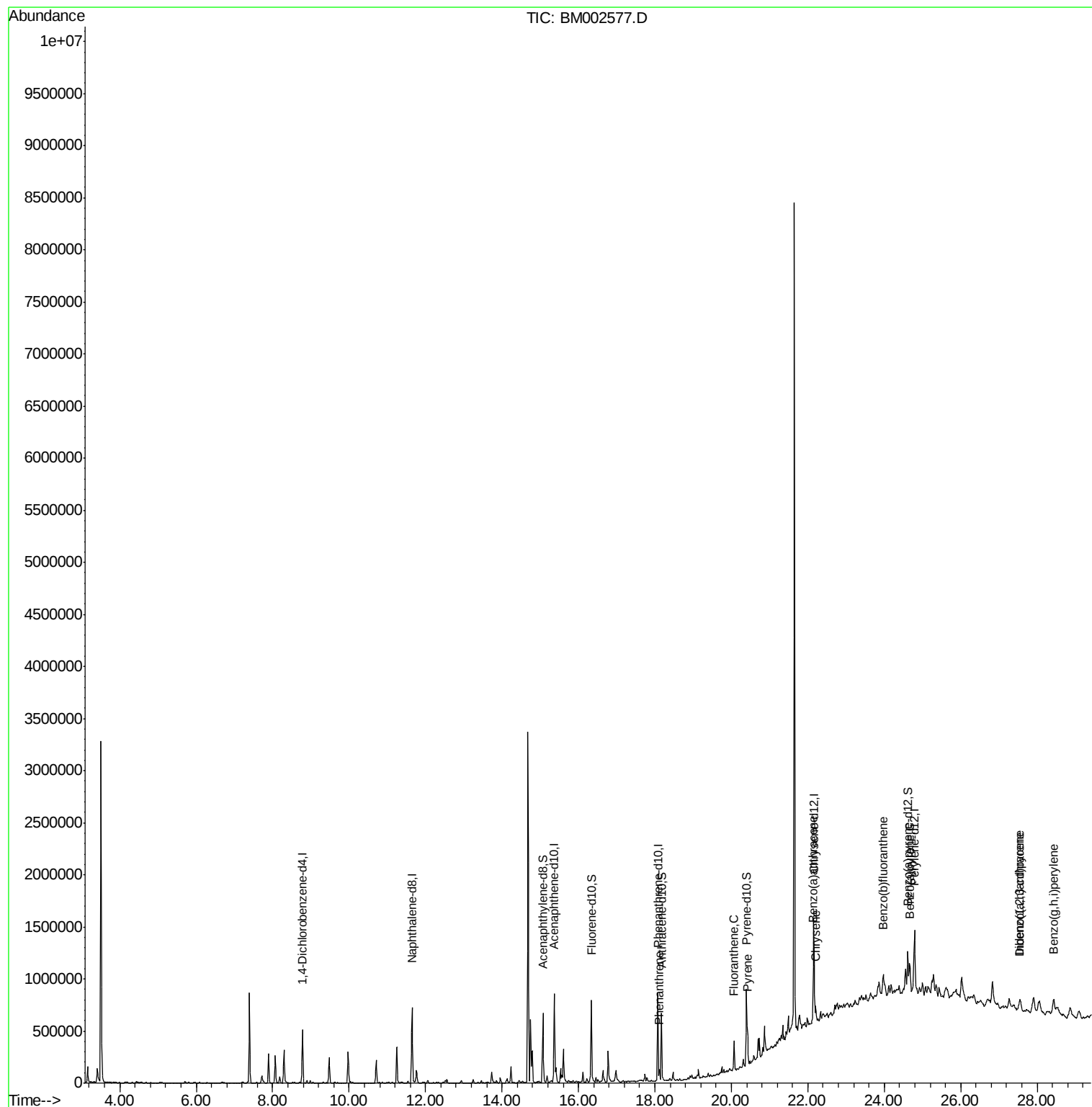
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Phenanthrene	18.12	178	63697	2.21	ng/ul	99
16) Fluoranthene	20.07	202	164516	5.04	ng/ul	97
19) Pyrene	20.43	202	149983	5.34	ng/ul	98
20) Benzo(a)anthracene	22.14	228	105567	3.68	ng/ul#	95
21) Chrysene	22.20	228	114037	4.25	ng/ul#	93
23) Benzo(b)fluoranthene	23.97	252	166047	5.47	ng/ul#	88
26) Benzo(a)pyrene	24.67	252	128506	4.43	ng/ul#	88
27) Indeno(1,2,3-cd)pyrene	27.56	276	111769	3.35	ng/ul	98
28) Dibenzo(a,h)anthracene	27.53	278	66595	2.39	ng/ul#	73
29) Benzo(g,h,i)perylene	28.43	276	201542	7.26	ng/ul	96

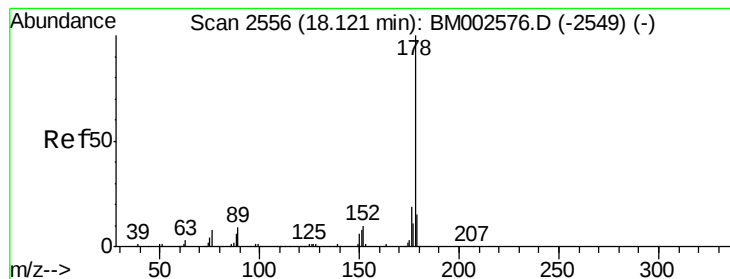
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Phenanthrene

Concen: 2.21 ng/ul

RT: 18.12 min Scan# 2555

Delta R.T. -0.01 min

Lab File: BM002577.D

Acq: 29 Aug 2015 22:45

Instrument :

BNA_M

ClientSampleId :

D9E80

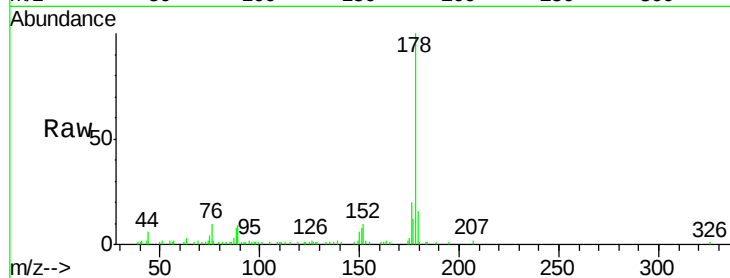
Tgt Ion:178 Resp: 63697

Ion Ratio Lower Upper

178 100

179 15.5 12.4 18.6

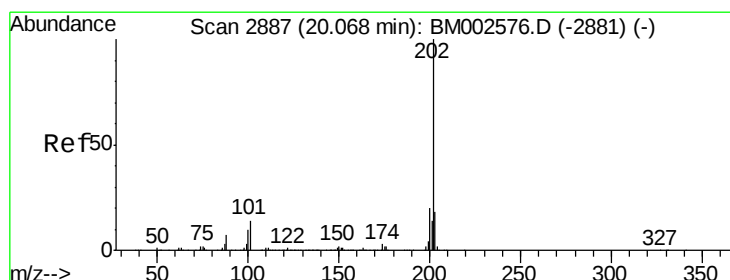
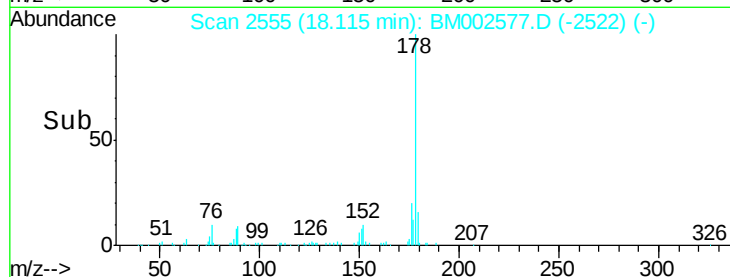
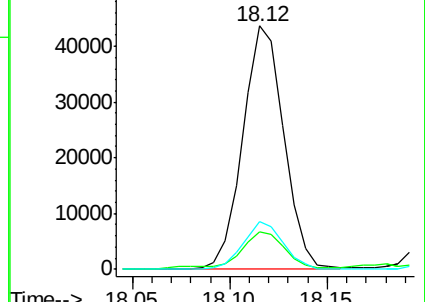
176 19.8 15.1 22.7



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: 5.04 ng/ul

RT: 20.07 min Scan# 2887

Delta R.T. -0.00 min

Lab File: BM002577.D

Acq: 29 Aug 2015 22:45

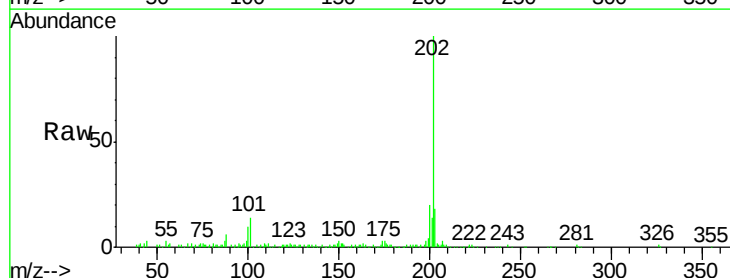
Tgt Ion:202 Resp: 164516

Ion Ratio Lower Upper

202 100

101 13.7 9.7 14.5

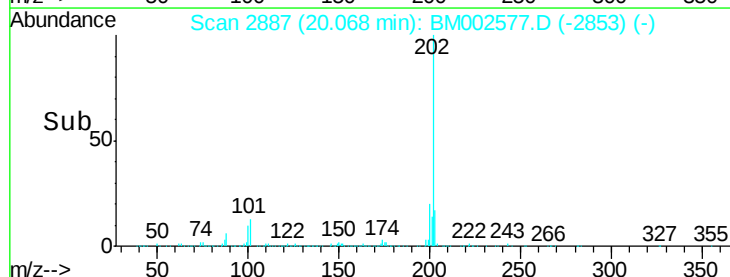
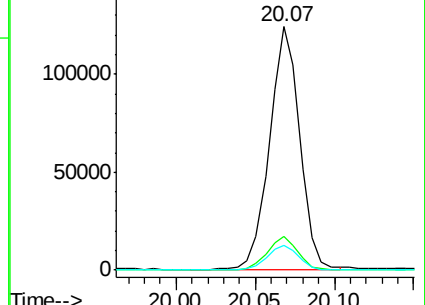
100 9.9 7.4 11.2

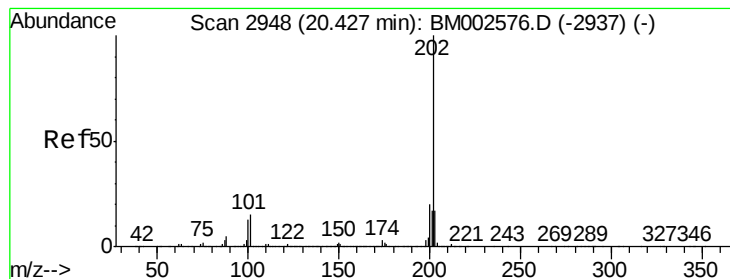


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#19

Pyrene

Concen: 5.34 ng/ul

RT: 20.43 min Scan# 2948

Delta R.T. -0.00 min

Lab File: BM002577.D

Acq: 29 Aug 2015 22:45

Instrument :

BNA_M

ClientSampleId :

D9E80

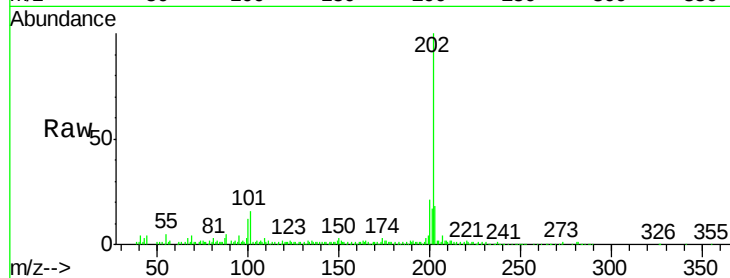
Tgt Ion: 202 Resp: 149983

Ion Ratio Lower Upper

202 100

101 16.5 12.0 18.0

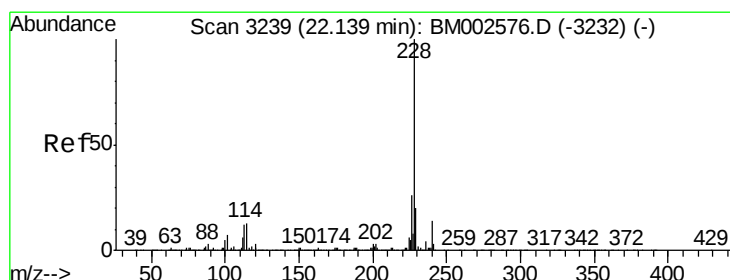
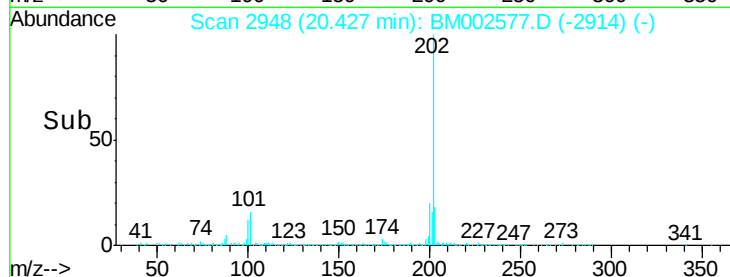
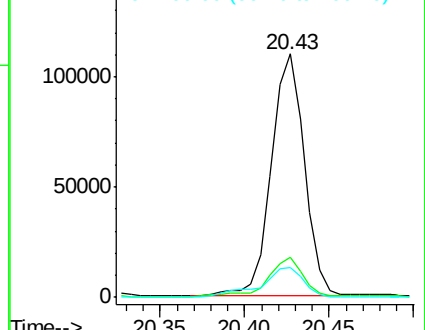
100 12.2 9.7 14.5



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: 3.68 ng/ul

RT: 22.14 min Scan# 3239

Delta R.T. -0.00 min

Lab File: BM002577.D

Acq: 29 Aug 2015 22:45

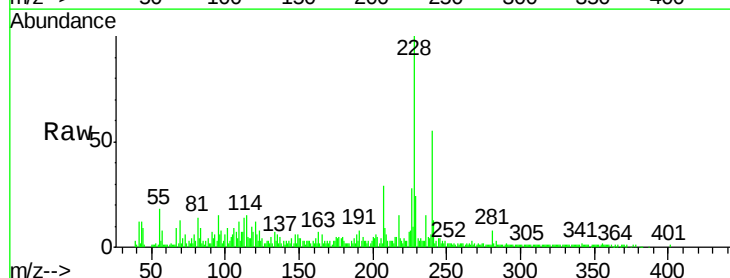
Tgt Ion: 228 Resp: 105567

Ion Ratio Lower Upper

228 100

229 23.9 15.8 23.6#

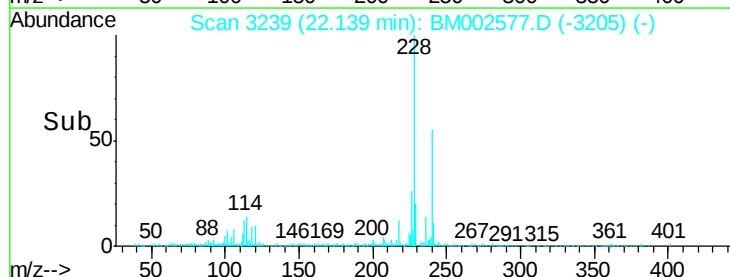
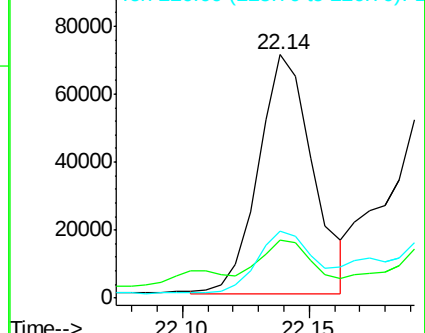
226 27.7 21.1 31.7

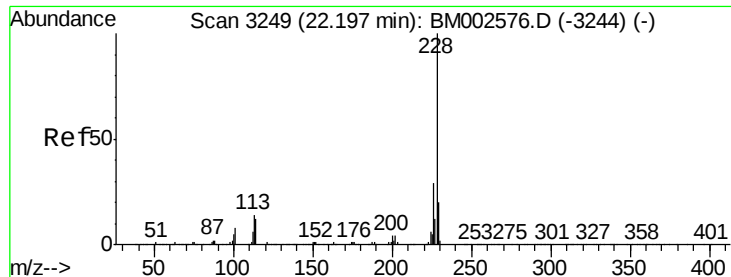


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

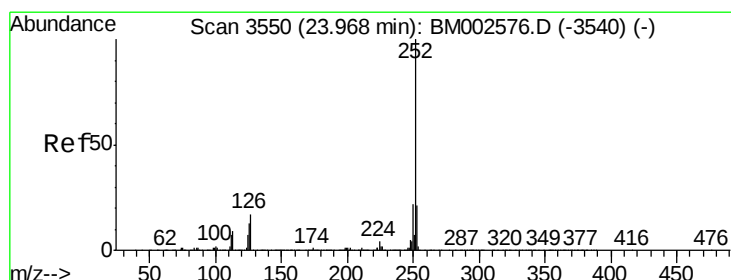
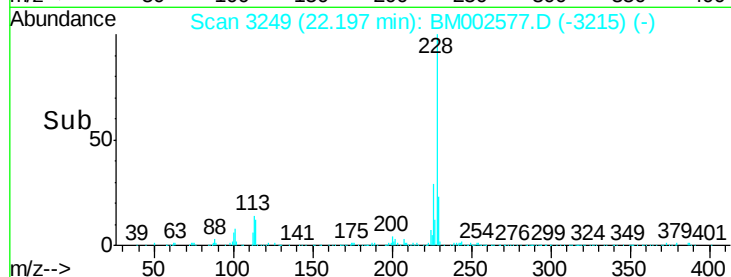
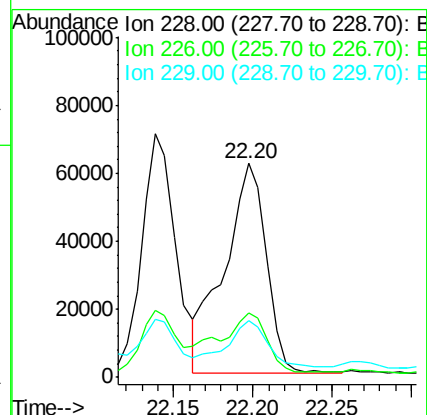
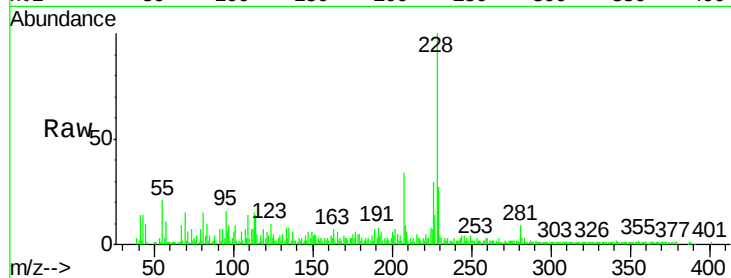




#21
Chrysene
Concen: 4.25 ng/ul
RT: 22.20 min Scan# 3249
Delta R.T. -0.00 min
Lab File: BM002577.D
Acq: 29 Aug 2015 22:45

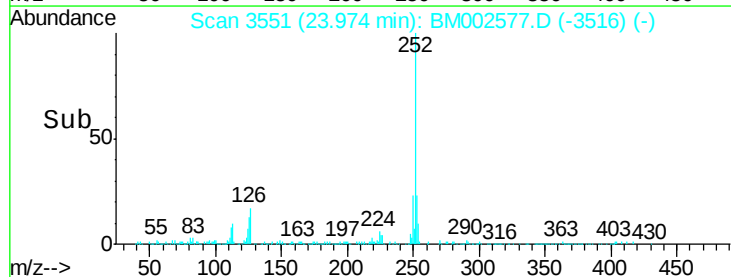
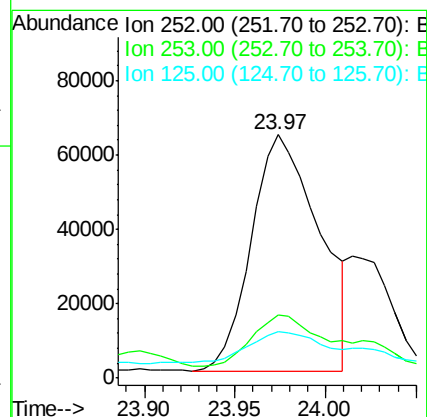
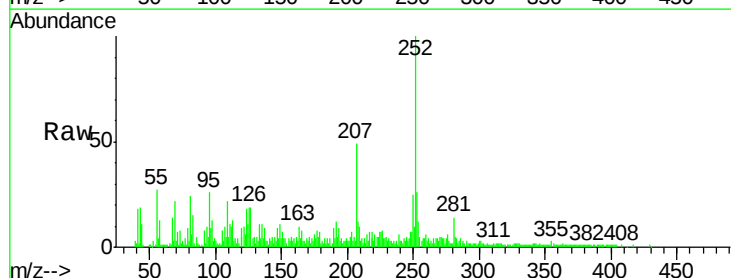
Instrument :
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ClientSampleId :
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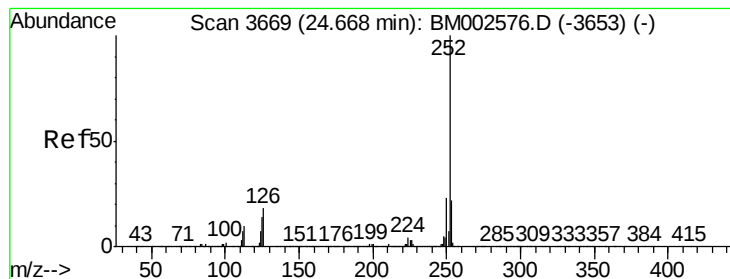
Tgt Ion:228 Resp: 114037
Ion Ratio Lower Upper
228 100
226 30.2 23.4 35.2
229 26.6 15.7 23.5#



#23
Benzo(b)fluoranthene
Concen: 5.47 ng/ul
RT: 23.97 min Scan# 3551
Delta R.T. 0.01 min
Lab File: BM002577.D
Acq: 29 Aug 2015 22:45

Tgt Ion:252 Resp: 166047
Ion Ratio Lower Upper
252 100
253 26.1 17.4 26.0#
125 19.0 10.0 15.0#





#26

Benzo(a)pyrene

Concen: 4.43 ng/ul

RT: 24.67 min Scan# 3669

Delta R.T. -0.00 min

Lab File: BM002577.D

Acq: 29 Aug 2015 22:45

Instrument :

BNA_M

ClientSampleId :

D9E80

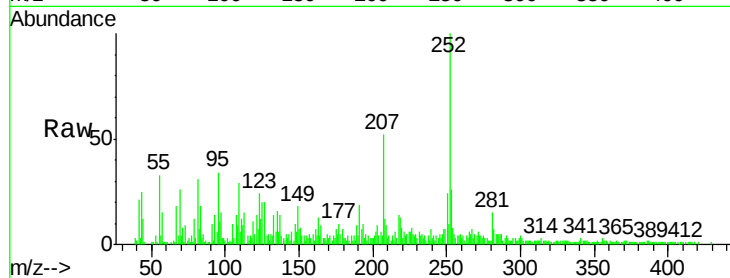
Tgt Ion: 252 Resp: 128506

Ion Ratio Lower Upper

252 100

253 25.8 17.6 26.4

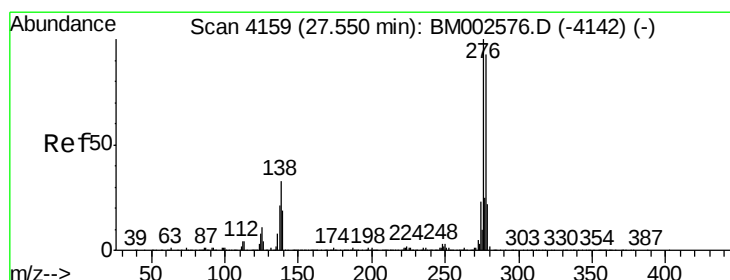
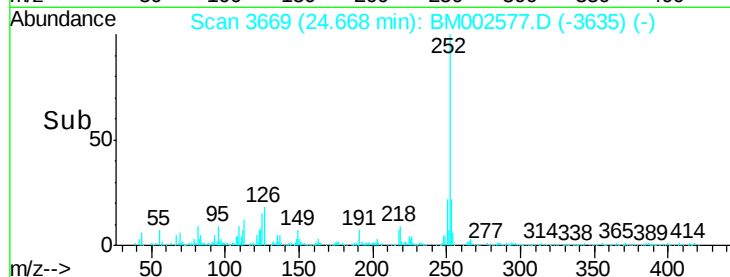
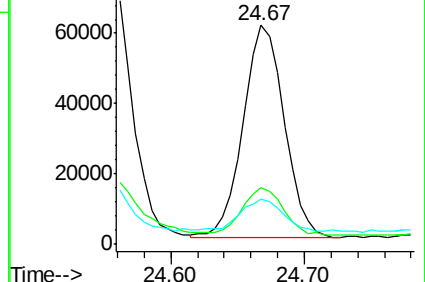
125 20.4 10.7 16.1#



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: 3.35 ng/ul

RT: 27.56 min Scan# 4160

Delta R.T. 0.01 min

Lab File: BM002577.D

Acq: 29 Aug 2015 22:45

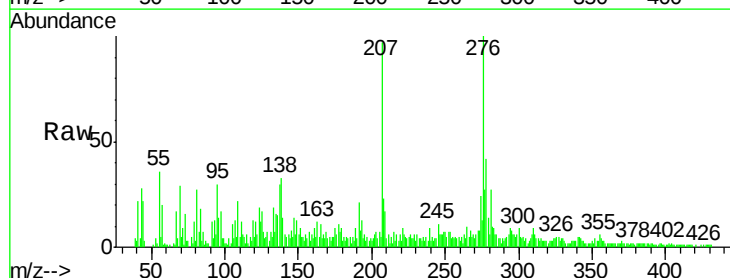
Tgt Ion: 276 Resp: 111769

Ion Ratio Lower Upper

276 100

138 32.8 25.3 37.9

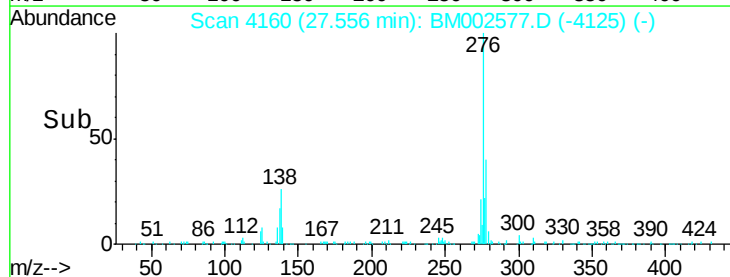
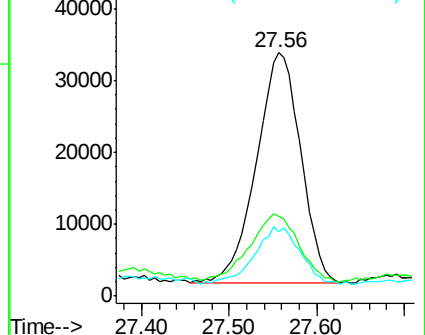
277 26.6 20.2 30.2

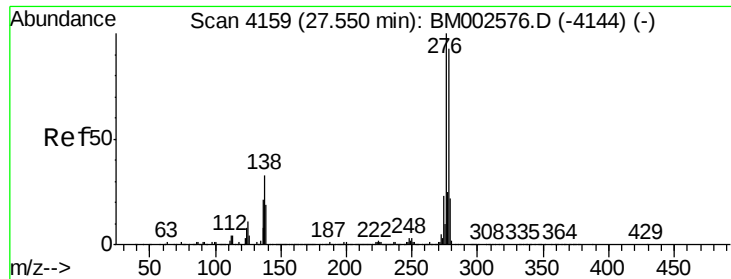


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Dibenzo(a,h)anthracene

Concen: 2.39 ng/ul

RT: 27.53 min Scan# 4156

Delta R.T. -0.02 min

Lab File: BM002577.D

Acq: 29 Aug 2015 22:45

Instrument :

BNA_M

ClientSampleId :

D9E80

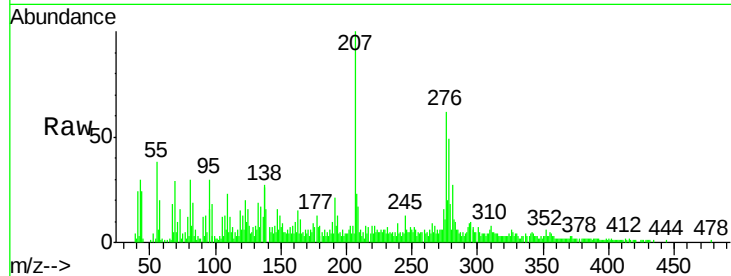
Tgt Ion:278 Resp: 66595

Ion Ratio Lower Upper

278 100

139 33.3 16.5 24.7#

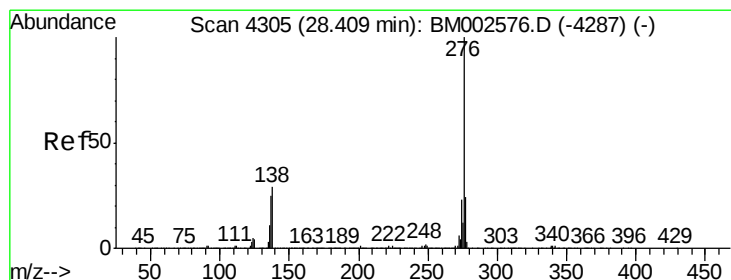
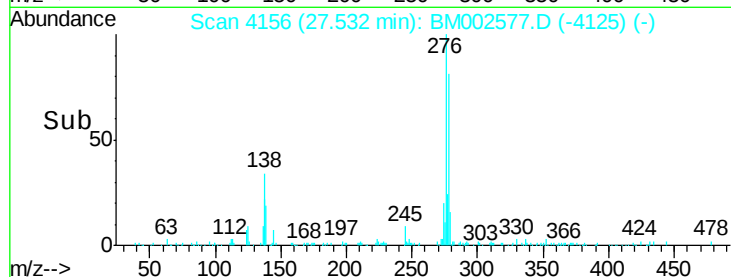
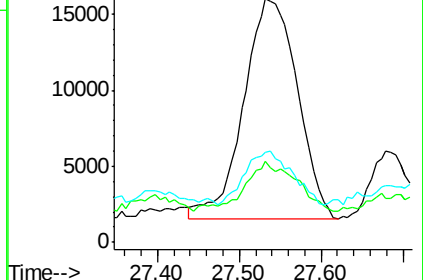
279 36.8 18.8 28.2#



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: 7.26 ng/ul

RT: 28.43 min Scan# 4309

Delta R.T. 0.02 min

Lab File: BM002577.D

Acq: 29 Aug 2015 22:45

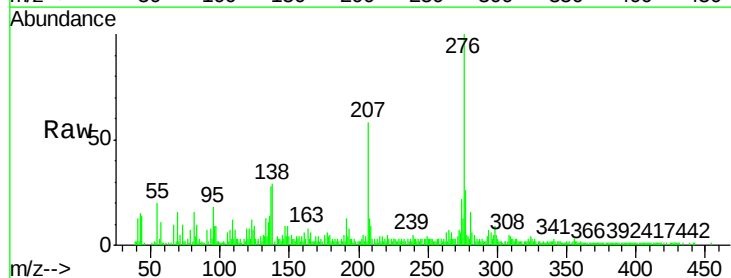
Tgt Ion:276 Resp: 201542

Ion Ratio Lower Upper

276 100

138 28.7 21.0 31.6

277 25.8 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

