

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081315\
 Data File : BM002389.D
 Acq On : 13 Aug 2015 08:15
 Operator : UM/IZ
 Sample : G3194-09
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9D90

Quant Time: Aug 14 01:57:31 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 13 05:08:41 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	152636	20.00	ng/ul	0.00
2) Naphthalene-d8	11.77	136	689275	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.49	164	345518	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.19	188	629416	20.00	ng/ul	0.00
17) Chrysene-d12	22.28	240	439735	20.00	ng/ul	0.00
22) Perylene-d12	24.98	264	419550	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.19	160	564399	15.77	ng/ul	0.00
10) Fluorene-d10	16.46	176	370770	14.89	ng/ul	0.00
14) Anthracene-d10	18.29	188	476395	15.60	ng/ul	0.00
18) Pyrene-d10	20.51	212	377224	17.69	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.80	264	269618	12.10	ng/ul	0.00

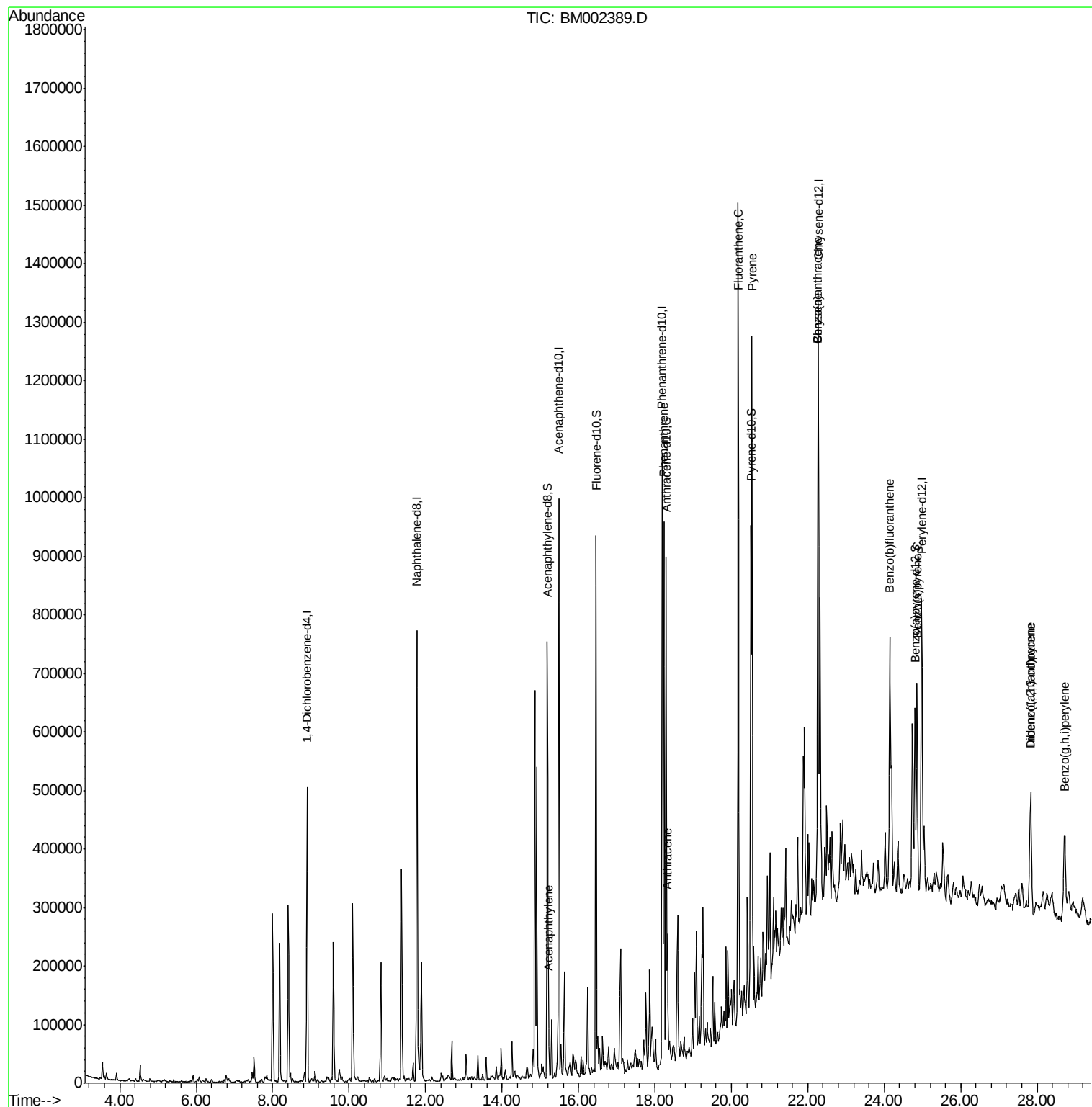
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Acenaphthylene	15.22	152	57641	1.55	ng/ul	99
13) Phenanthrene	18.24	178	586469	16.19	ng/ul	99
15) Anthracene	18.33	178	135473	3.62	ng/ul	99
16) Fluoranthene	20.18	202	884018	22.04	ng/ul	99
19) Pyrene	20.54	202	654061	23.01	ng/ul	95
20) Benzo(a)anthracene	22.26	228	340321	12.68	ng/ul	97
21) Chrysene	22.26	228	339395	13.34	ng/ul	96
23) Benzo(b)fluoranthene	24.14	252	420701	16.13	ng/ul	99
26) Benzo(a)pyrene	24.86	252	286163	11.47	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	27.83	276	210987	7.38	ng/ul	95
28) Dibenzo(a,h)anthracene	27.82	278	56628	2.34	ng/ul#	67
29) Benzo(g,h,i)perylene	28.71	276	202045	8.37	ng/ul	98

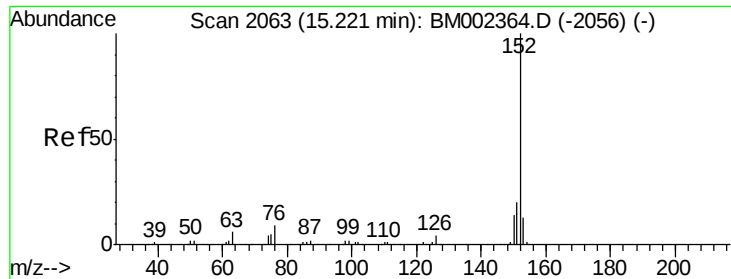
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Acenaphthylene

Concen: 1.55 ng/ul

RT: 15.22 min Scan# 2063

Delta R.T. -0.00 min

Lab File: BM002389.D

Acq: 13 Aug 2015 08:15

Instrument :

BNA_M

ClientSampleId :

D9D90

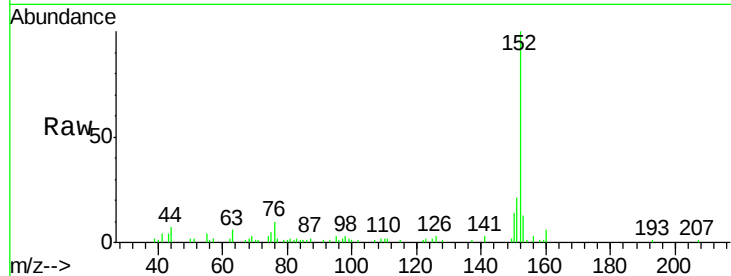
Tgt Ion:152 Resp: 57641

Ion Ratio Lower Upper

152 100

151 20.6 15.9 23.9

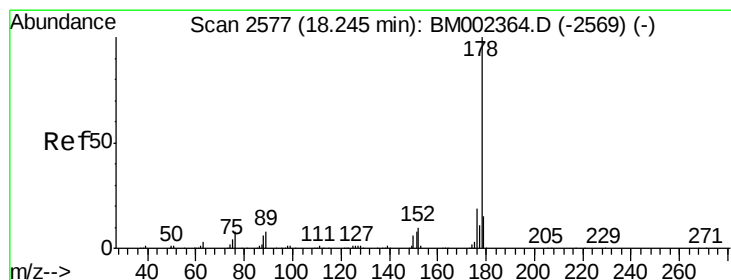
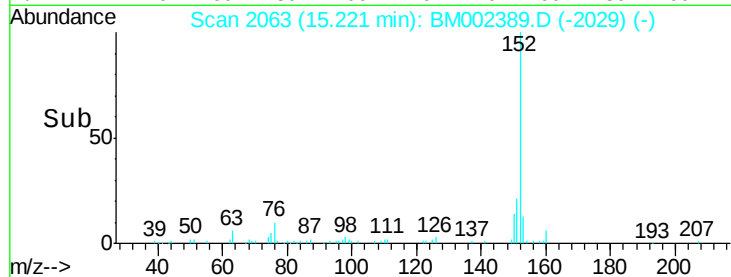
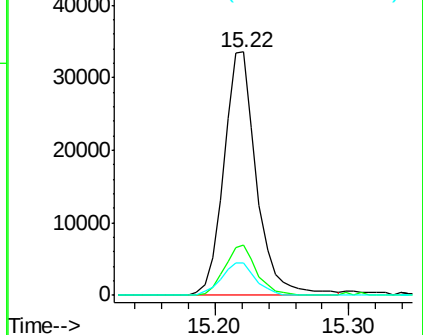
153 13.2 10.6 15.8



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



#13

Phenanthrene

Concen: 16.19 ng/ul

RT: 18.24 min Scan# 2576

Delta R.T. -0.00 min

Lab File: BM002389.D

Acq: 13 Aug 2015 08:15

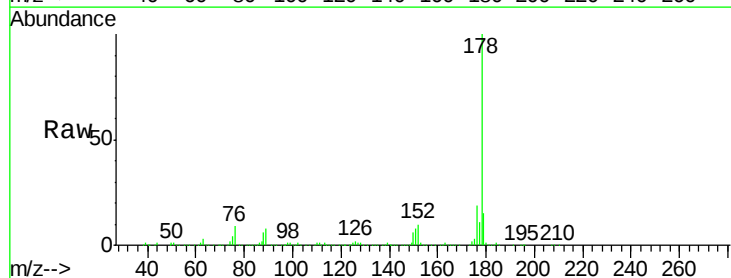
Tgt Ion:178 Resp: 586469

Ion Ratio Lower Upper

178 100

179 15.2 12.3 18.5

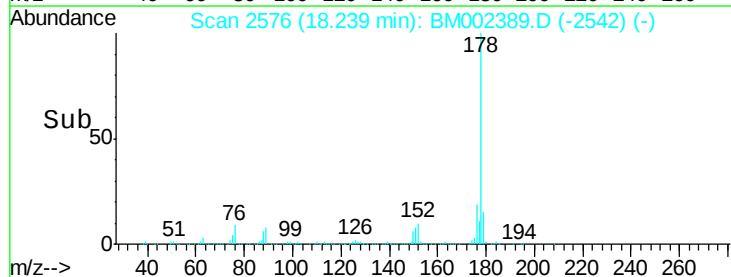
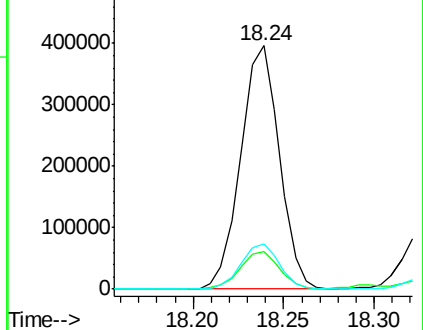
176 18.5 15.3 22.9

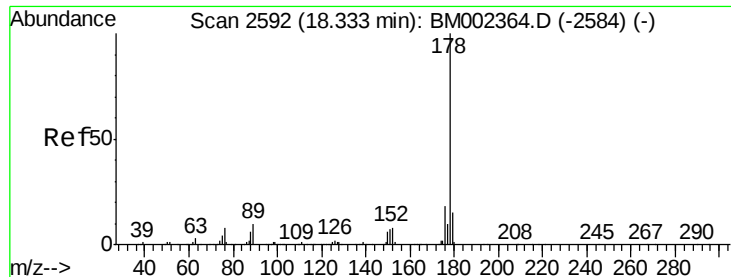


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

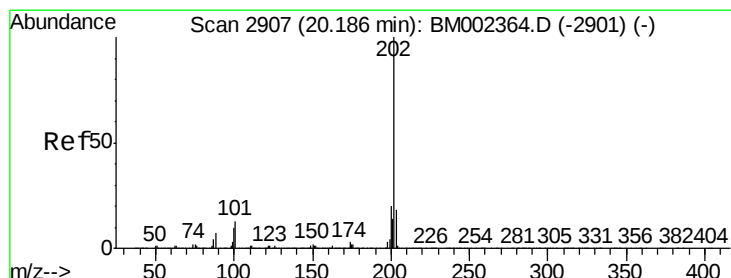
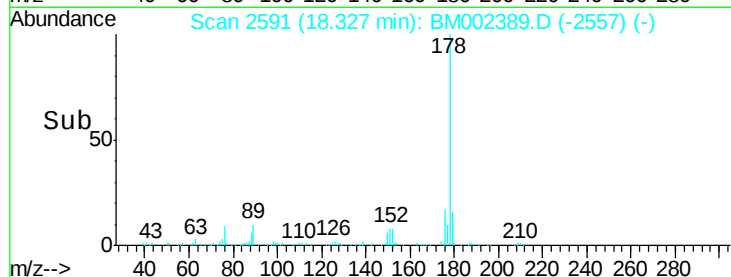
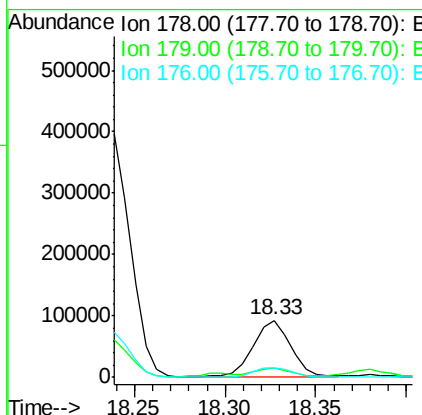
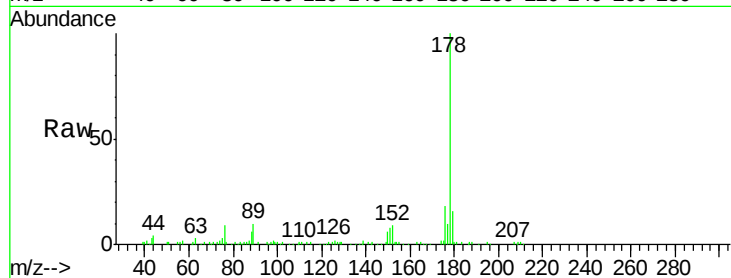




#15
 Anthracene
 Concen: 3.62 ng/ul
 RT: 18.33 min Scan# 2591
 Delta R.T. -0.00 min
 Lab File: BM002389.D
 Acq: 13 Aug 2015 08:15

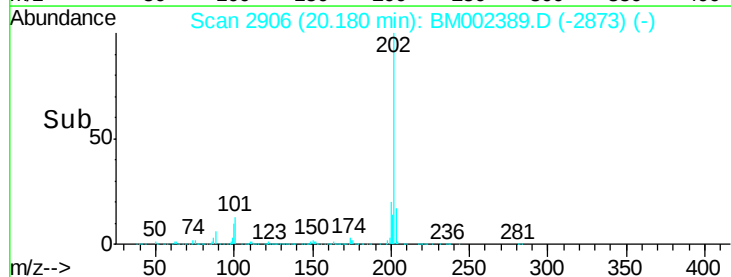
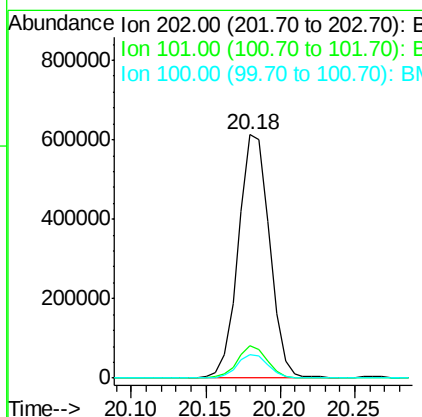
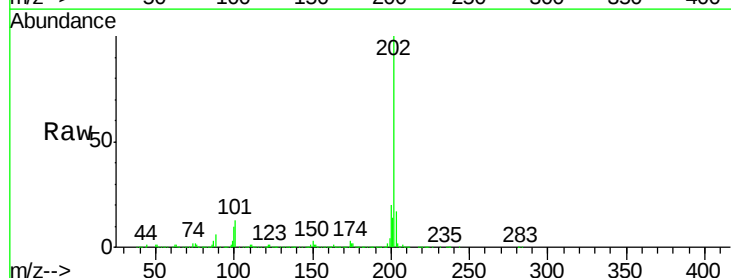
Instrument :
 BNA_M
 ClientSampleId :
 D9D90

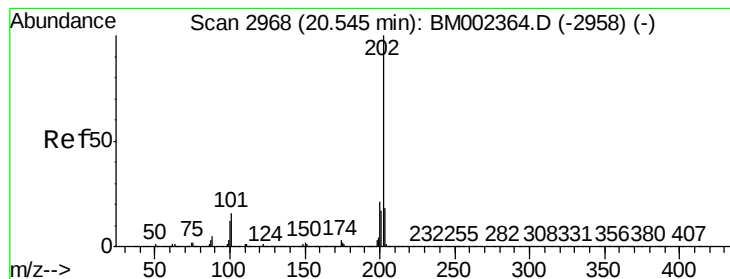
Tgt Ion:178 Resp: 135473
 Ion Ratio Lower Upper
 178 100
 179 15.8 12.3 18.5
 176 17.5 14.5 21.7



#16
 Fluoranthene
 Concen: 22.04 ng/ul
 RT: 20.18 min Scan# 2906
 Delta R.T. -0.01 min
 Lab File: BM002389.D
 Acq: 13 Aug 2015 08:15

Tgt Ion:202 Resp: 884018
 Ion Ratio Lower Upper
 202 100
 101 13.1 10.6 15.8
 100 9.9 8.2 12.4





#19

Pyrene

Concen: 23.01 ng/ul

RT: 20.54 min Scan# 2967

Delta R.T. -0.00 min

Lab File: BM002389.D

Acq: 13 Aug 2015 08:15

Instrument :

BNA_M

ClientSampleId :

D9D90

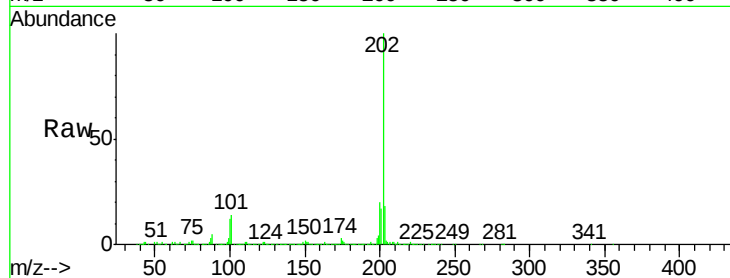
Tgt Ion:202 Resp: 654061

Ion Ratio Lower Upper

202 100

101 14.3 13.0 19.6

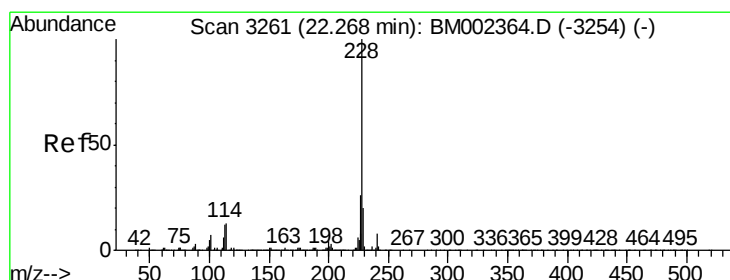
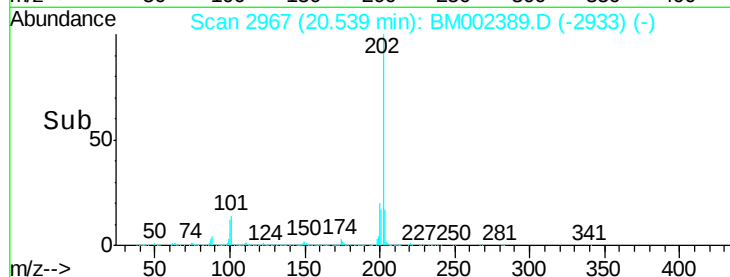
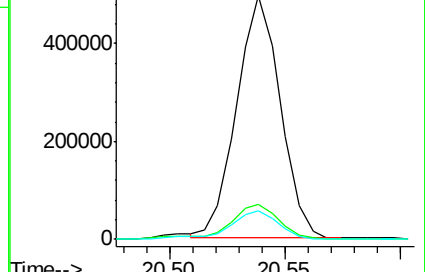
100 11.6 11.0 16.4



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: 12.68 ng/ul

RT: 22.26 min Scan# 3260

Delta R.T. -0.01 min

Lab File: BM002389.D

Acq: 13 Aug 2015 08:15

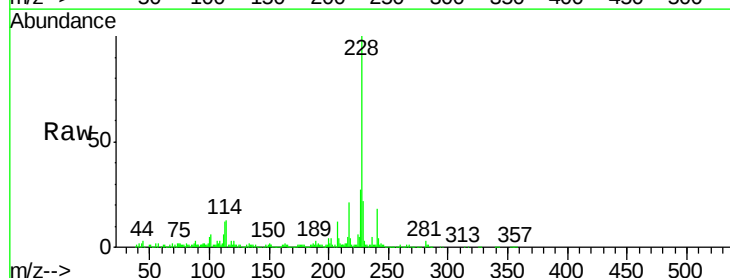
Tgt Ion:228 Resp: 340321

Ion Ratio Lower Upper

228 100

229 21.5 15.7 23.5

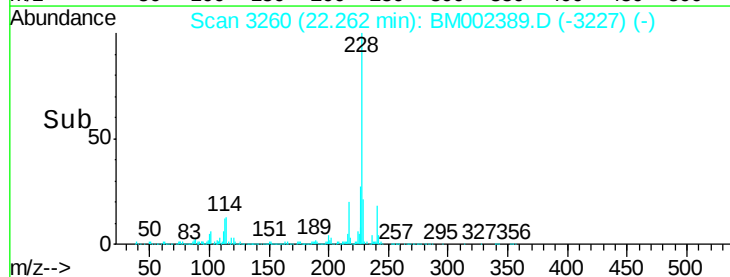
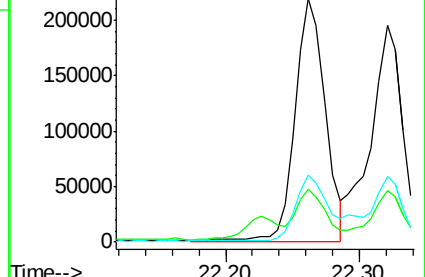
226 27.4 21.4 32.0

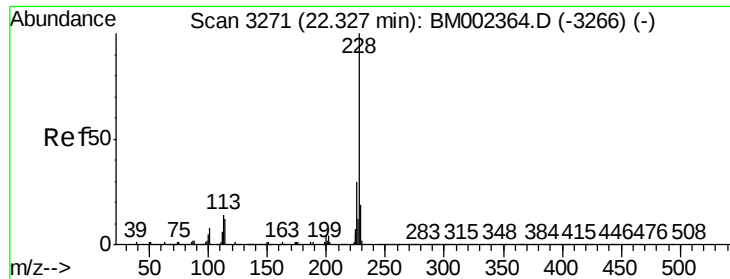


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 13.34 ng/ul

RT: 22.26 min Scan# 3260

Delta R.T. -0.06 min

Lab File: BM002389.D

Acq: 13 Aug 2015 08:15

Instrument :

BNA_M

ClientSampled :

D9D90

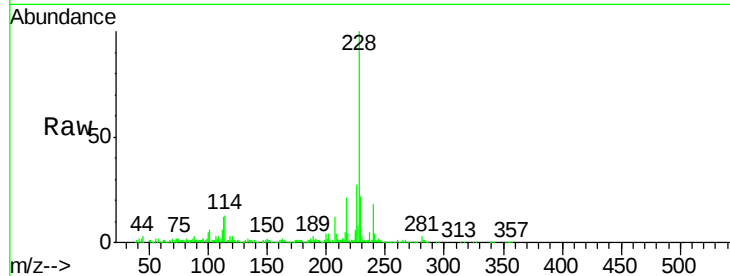
Tgt Ion:228 Resp: 339395

Ion Ratio Lower Upper

228 100

226 27.4 23.4 35.0

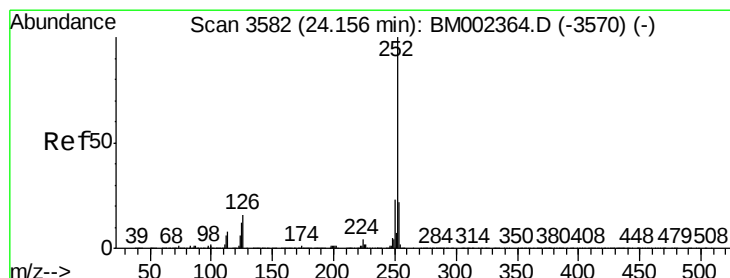
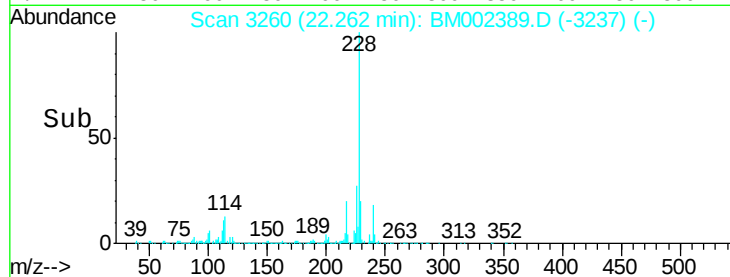
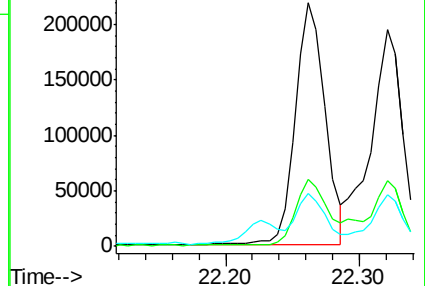
229 21.5 15.5 23.3



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: 16.13 ng/ul

RT: 24.14 min Scan# 3580

Delta R.T. -0.00 min

Lab File: BM002389.D

Acq: 13 Aug 2015 08:15

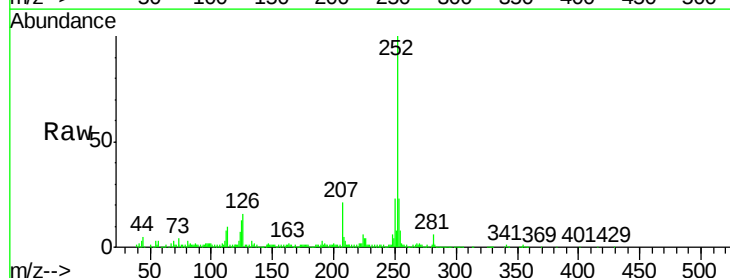
Tgt Ion:252 Resp: 420701

Ion Ratio Lower Upper

252 100

253 22.9 17.9 26.9

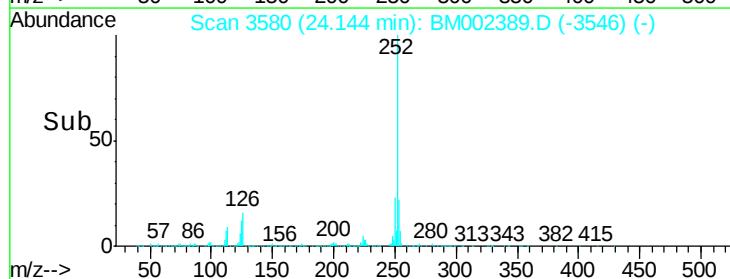
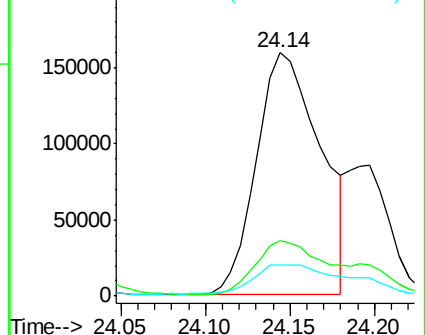
125 12.8 10.3 15.5

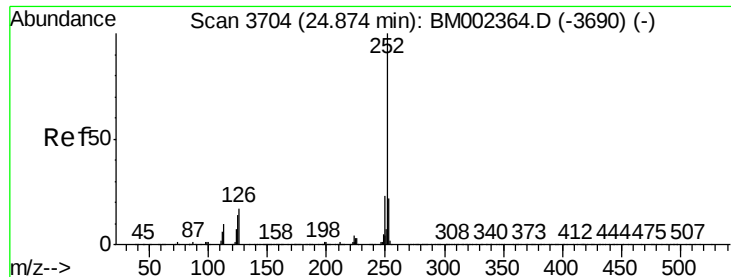


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 11.47 ng/ul

RT: 24.86 min Scan# 3702

Delta R.T. -0.00 min

Lab File: BM002389.D

Acq: 13 Aug 2015 08:15

Instrument :

BNA_M

ClientSampleId :

D9D90

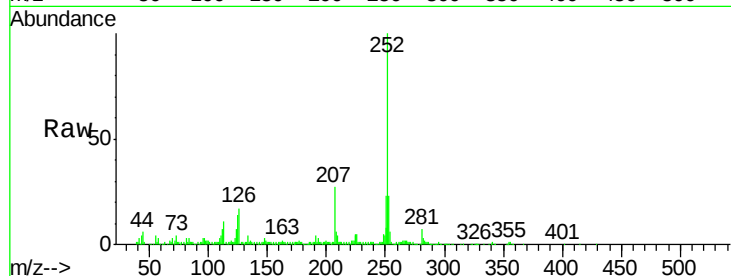
Tgt Ion:252 Resp: 286163

Ion Ratio Lower Upper

252 100

253 23.2 17.3 25.9

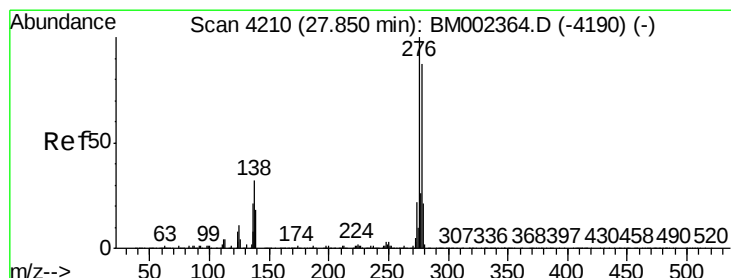
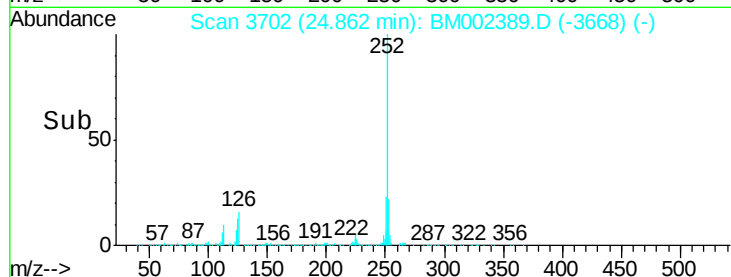
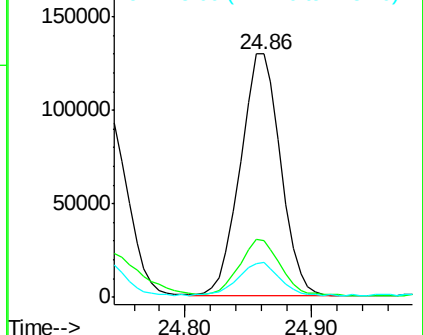
125 14.2 11.0 16.6



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: 7.38 ng/ul

RT: 27.83 min Scan# 4206

Delta R.T. -0.01 min

Lab File: BM002389.D

Acq: 13 Aug 2015 08:15

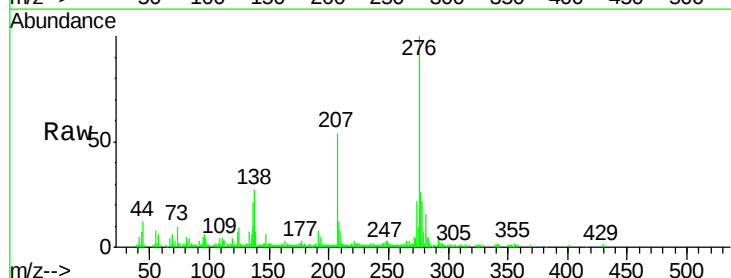
Tgt Ion:276 Resp: 210987

Ion Ratio Lower Upper

276 100

138 27.4 25.6 38.4

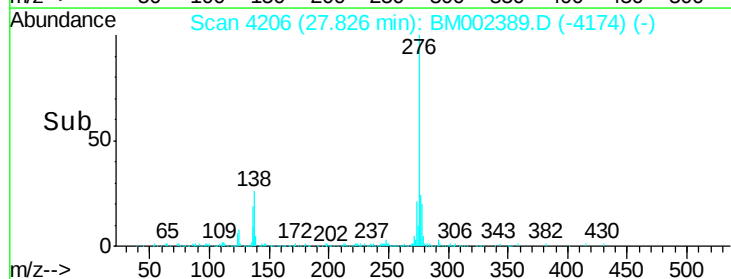
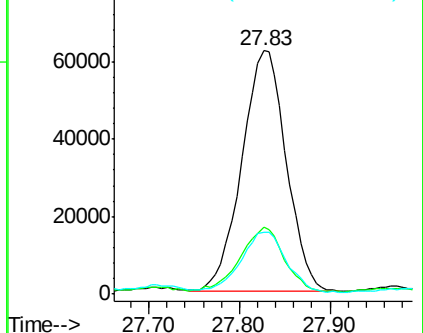
277 25.5 21.0 31.4

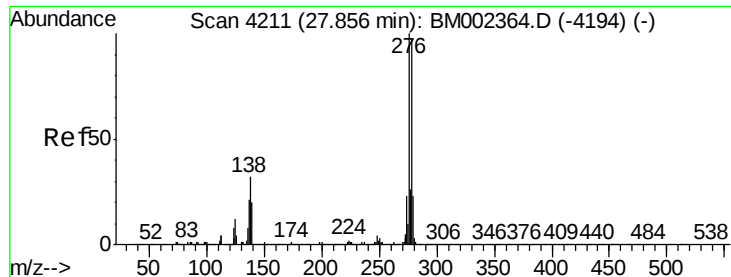


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Dibenzo(a,h)anthracene

Concen: 2.34 ng/ul

RT: 27.82 min Scan# 4205

Delta R.T. -0.02 min

Lab File: BM002389.D

Acq: 13 Aug 2015 08:15

Instrument :

BNA_M

ClientSampleId :

D9D90

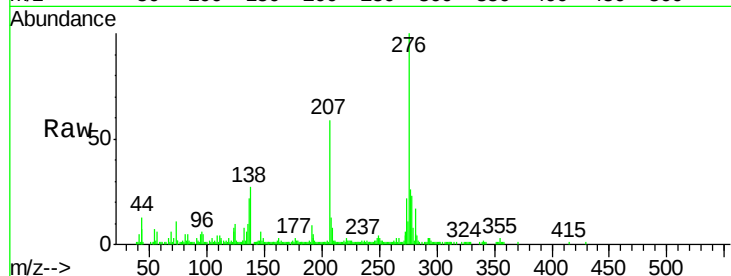
Tgt Ion:278 Resp: 56628

Ion Ratio Lower Upper

278 100

139 0.0 16.4 24.6#

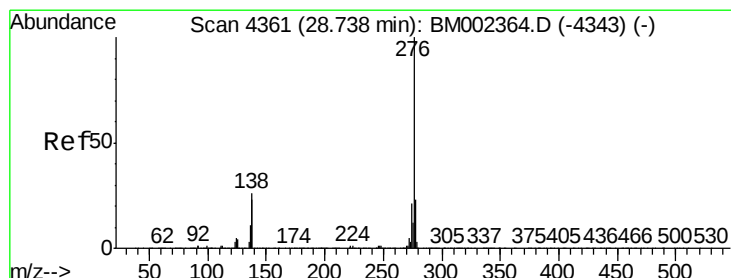
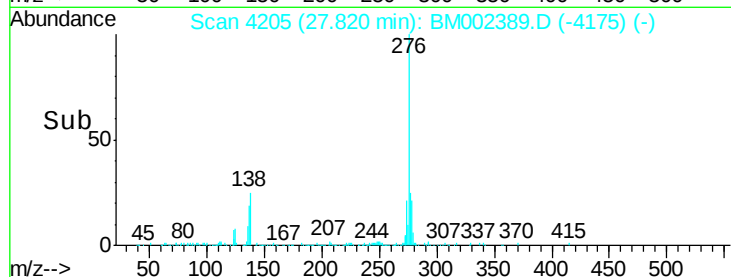
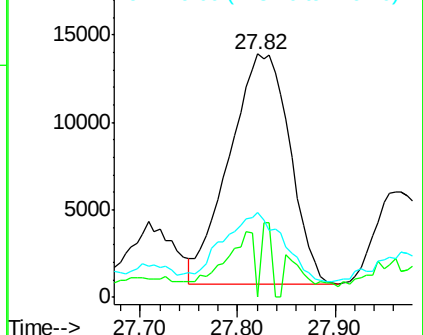
279 35.1 18.8 28.2#



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: 8.37 ng/ul

RT: 28.71 min Scan# 4357

Delta R.T. -0.01 min

Lab File: BM002389.D

Acq: 13 Aug 2015 08:15

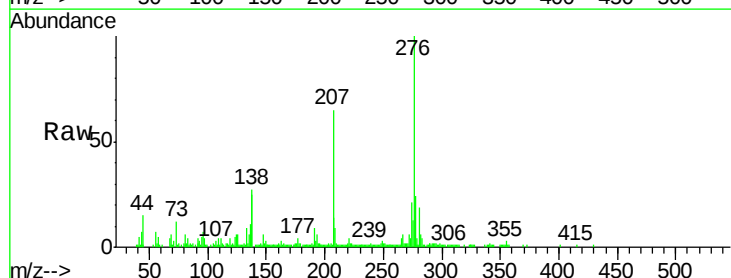
Tgt Ion:276 Resp: 202045

Ion Ratio Lower Upper

276 100

138 26.8 20.5 30.7

277 24.4 19.0 28.6



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

