

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081315\
 Data File : BM002385.D
 Acq On : 13 Aug 2015 05:50
 Operator : UM/IZ
 Sample : G3194-05
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9D86

Quant Time: Aug 13 06:56:46 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	183077	20.00	ng/ul	0.00
2) Naphthalene-d8	11.77	136	798707	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.49	164	386073	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.20	188	665357	20.00	ng/ul	0.00
17) Chrysene-d12	22.29	240	460394	20.00	ng/ul	0.00
22) Perylene-d12	24.98	264	457391	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.19	160	667040	16.68	ng/ul	0.00
10) Fluorene-d10	16.46	176	429092	15.43	ng/ul	0.00
14) Anthracene-d10	18.29	188	546803	16.94	ng/ul	0.00
18) Pyrene-d10	20.51	212	438451	19.64	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.81	264	379717	15.64	ng/ul	0.00

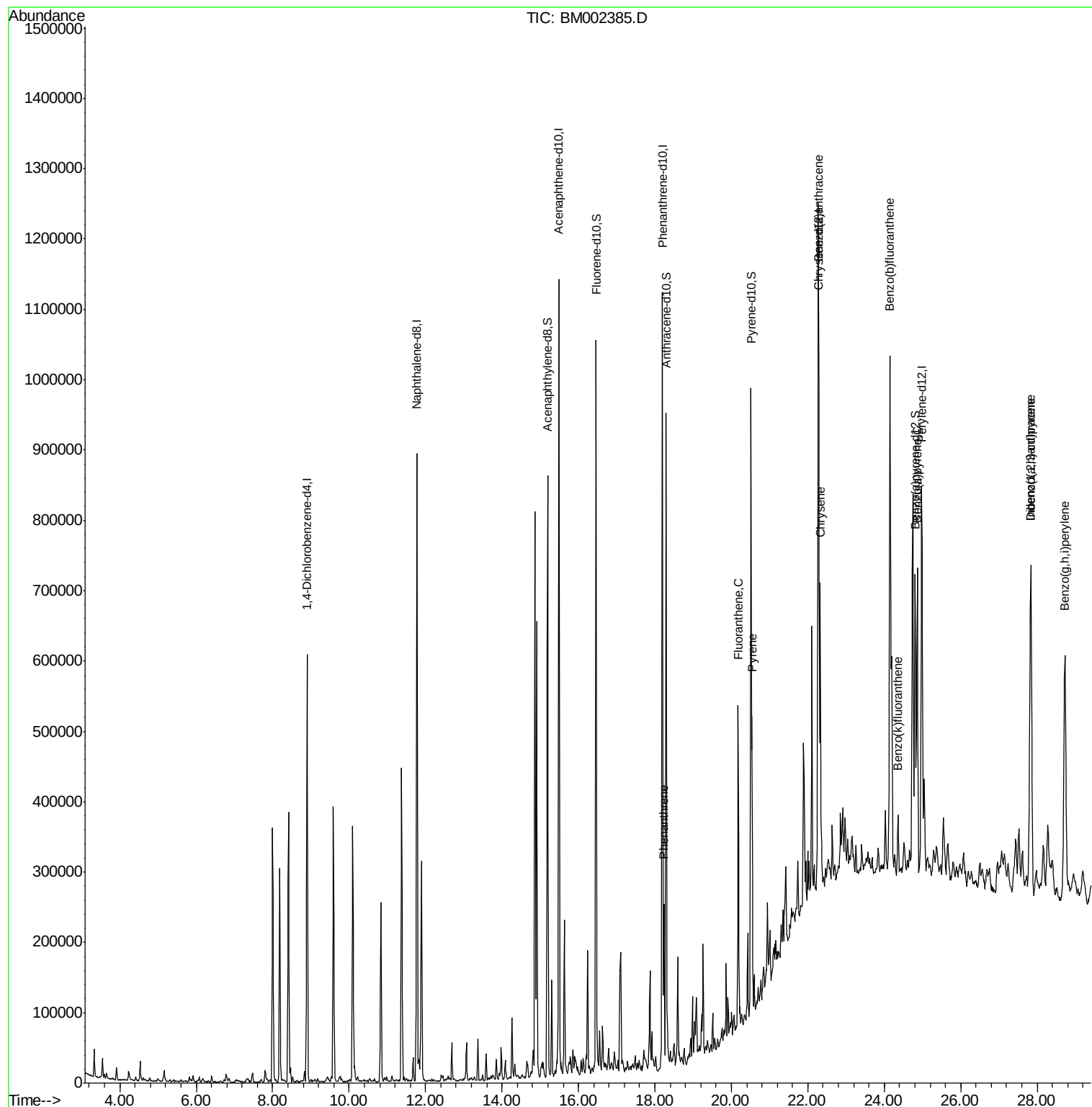
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Phenanthrene	18.24	178	146521	3.83	ng/ul	99
16) Fluoranthene	20.18	202	271557	6.40	ng/ul	99
19) Pyrene	20.54	202	231057	7.76	ng/ul	97
20) Benzo(a)anthracene	22.27	228	224674	7.99	ng/ul	98
21) Chrysene	22.33	228	294086	11.04	ng/ul	98
23) Benzo(b)fluoranthene	24.15	252	730171	25.68	ng/ul	100
24) Benzo(k)fluoranthene	24.36	252	55806	2.04	ng/ul#	87
26) Benzo(a)pyrene	24.86	252	366652	13.48	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	27.84	276	490627	15.73	ng/ul	92
28) Dibenzo(a,h)anthracene	27.83	278	161122	6.10	ng/ul#	94
29) Benzo(g,h,i)perylene	28.73	276	486723	18.50	ng/ul	99

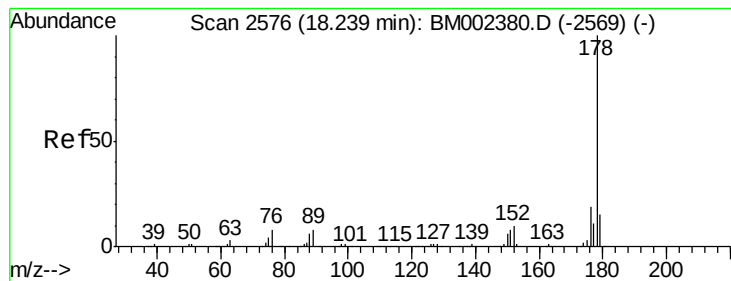
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Phenanthrene

Concen: 3.83 ng/ul

RT: 18.24 min Scan# 2576

Delta R.T. -0.00 min

Lab File: BM002385.D

Acq: 13 Aug 2015 05:50

Instrument :

BNA_M

ClientSampleId :

D9D86

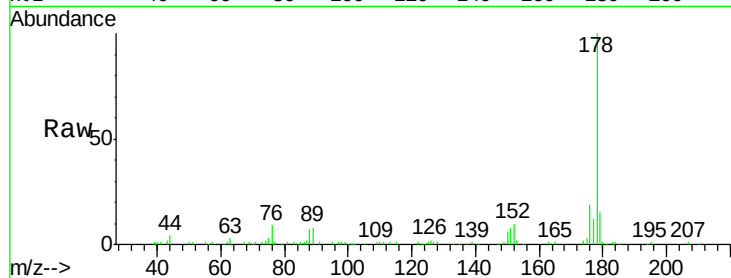
Tgt Ion:178 Resp: 146521

Ion Ratio Lower Upper

178 100

179 15.4 12.3 18.5

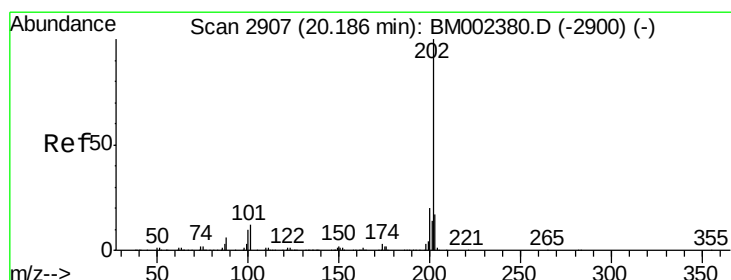
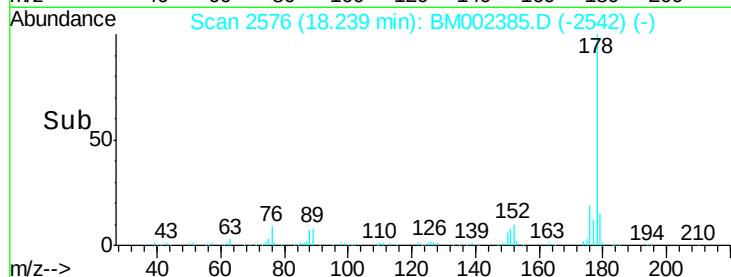
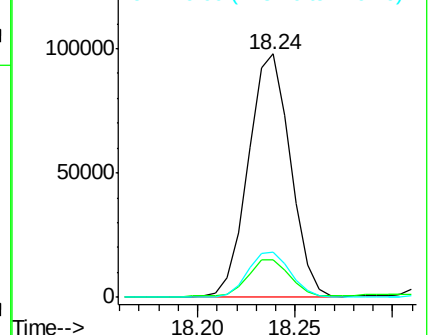
176 18.5 15.3 22.9



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



#16

Fluoranthene

Concen: 6.40 ng/ul

RT: 20.18 min Scan# 2906

Delta R.T. -0.01 min

Lab File: BM002385.D

Acq: 13 Aug 2015 05:50

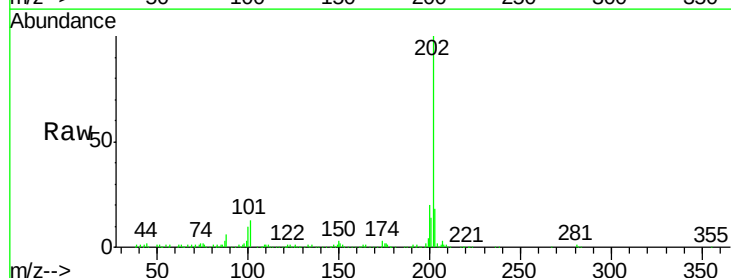
Tgt Ion:202 Resp: 271557

Ion Ratio Lower Upper

202 100

101 13.5 10.6 15.8

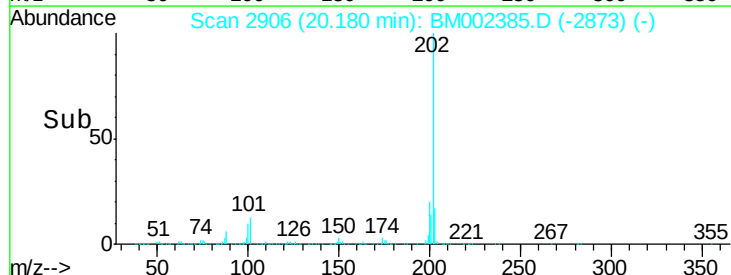
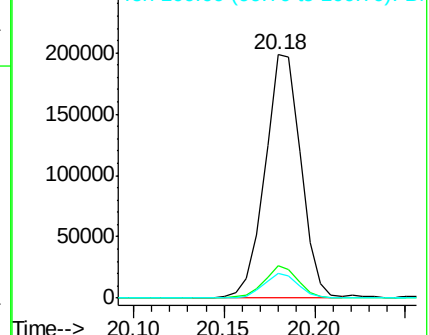
100 9.9 8.2 12.4

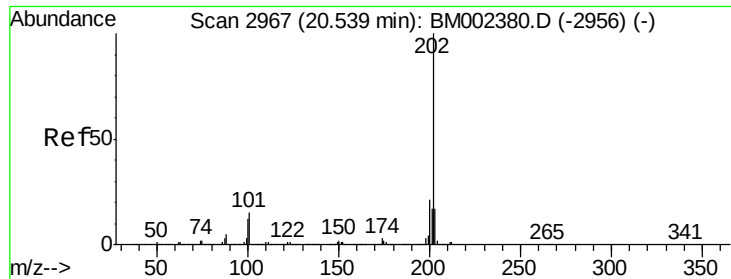


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

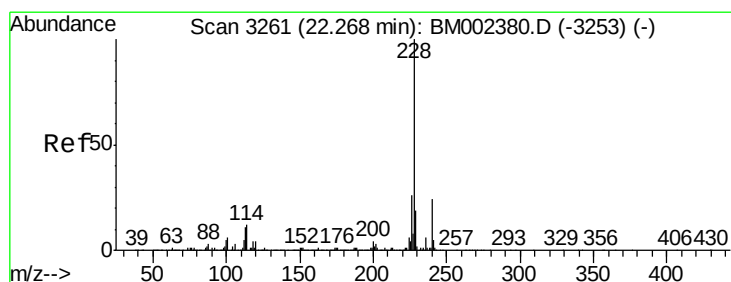
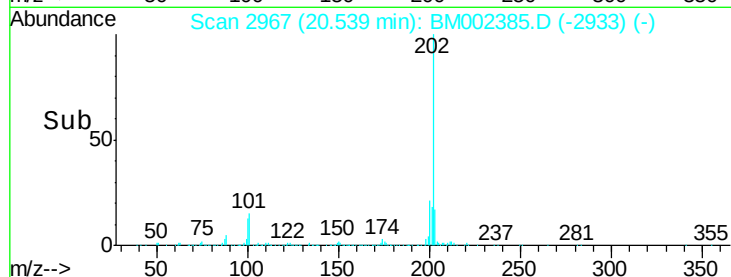
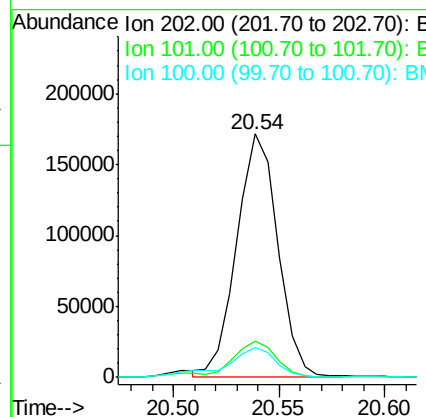
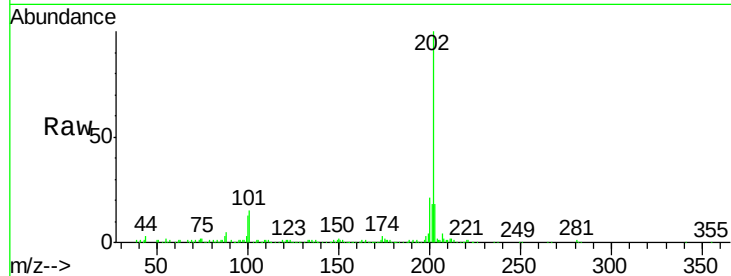




#19
 Pyrene
 Concen: 7.76 ng/ul
 RT: 20.54 min Scan# 2967
 Delta R.T. -0.00 min
 Lab File: BM002385.D
 Acq: 13 Aug 2015 05:50

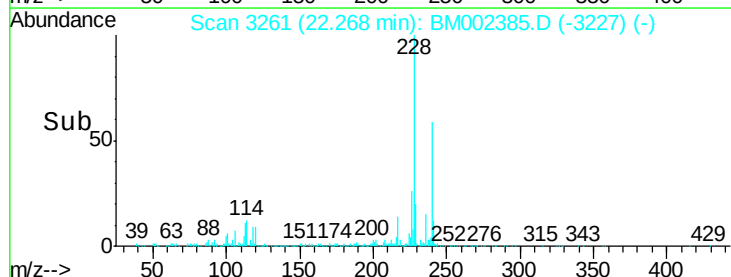
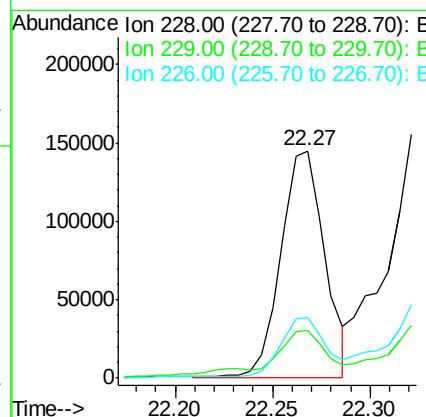
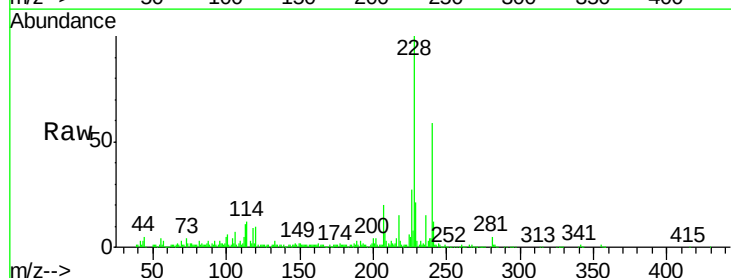
Instrument :
 BNA_M
 ClientSampleId :
 D9D86

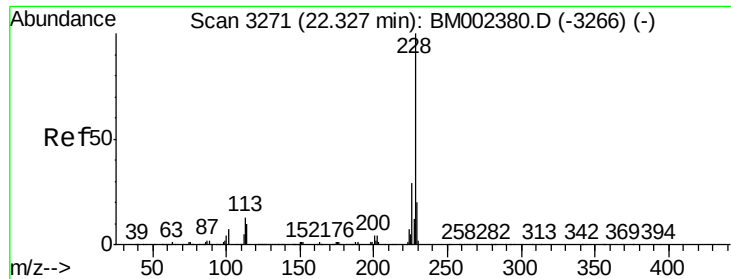
Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.1	13.0	19.6
100	12.5	11.0	16.4



#20
 Benzo(a)anthracene
 Concen: 7.99 ng/ul
 RT: 22.27 min Scan# 3261
 Delta R.T. -0.00 min
 Lab File: BM002385.D
 Acq: 13 Aug 2015 05:50

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.0	15.7	23.5
226	26.5	21.4	32.0





#21

Chrysene

Concen: 11.04 ng/ul

RT: 22.33 min Scan# 3271

Delta R.T. -0.00 min

Lab File: BM002385.D

Acq: 13 Aug 2015 05:50

Instrument :

BNA_M

ClientSampleId :

D9D86

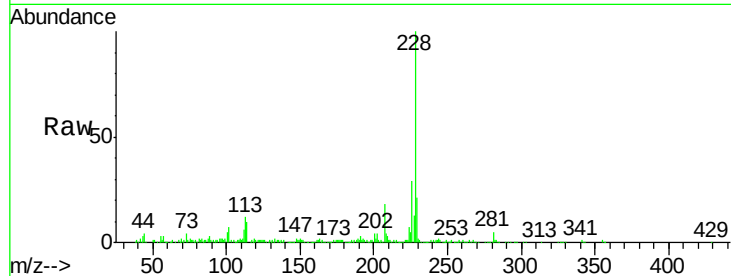
Tgt Ion: 228 Resp: 294086

Ion Ratio Lower Upper

228 100

226 28.7 23.4 35.0

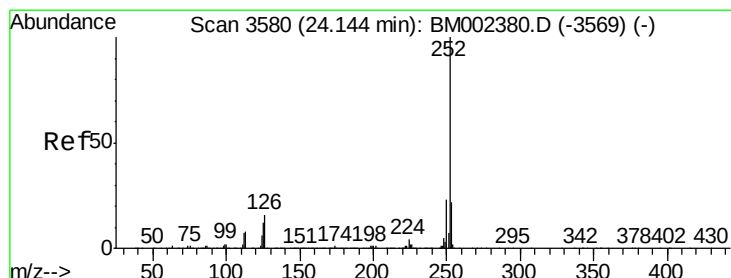
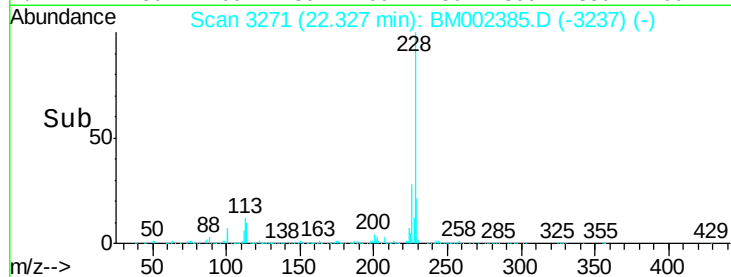
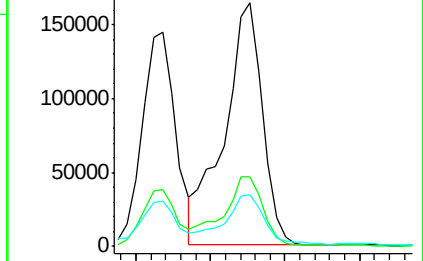
229 21.5 15.5 23.3



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: 25.68 ng/ul

RT: 24.15 min Scan# 3581

Delta R.T. 0.01 min

Lab File: BM002385.D

Acq: 13 Aug 2015 05:50

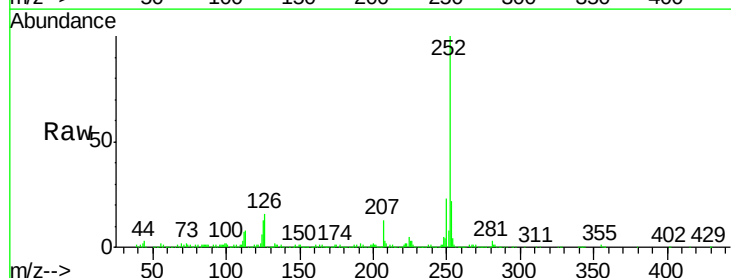
Tgt Ion: 252 Resp: 730171

Ion Ratio Lower Upper

252 100

253 22.2 17.9 26.9

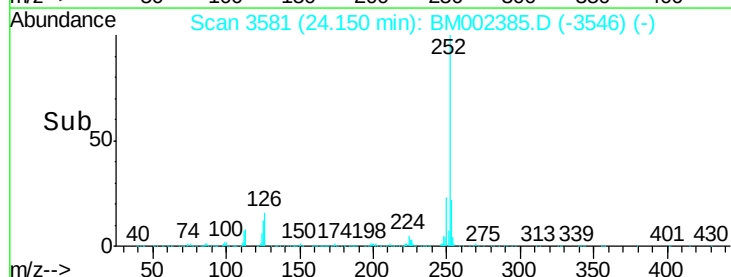
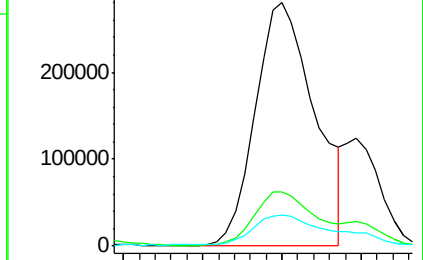
125 12.7 10.3 15.5

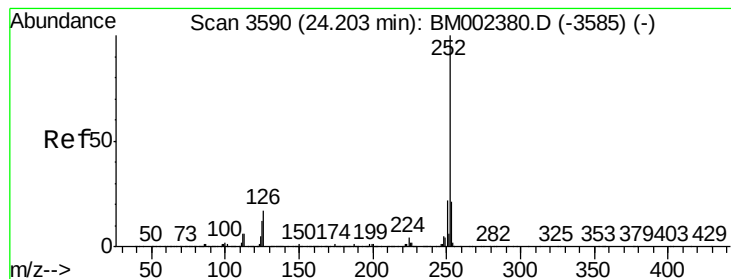


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 2.04 ng/ul

RT: 24.36 min Scan# 3616

Delta R.T. 0.15 min

Lab File: BM002385.D

Acq: 13 Aug 2015 05:50

Instrument :

BNA_M

ClientSampleId :

D9D86

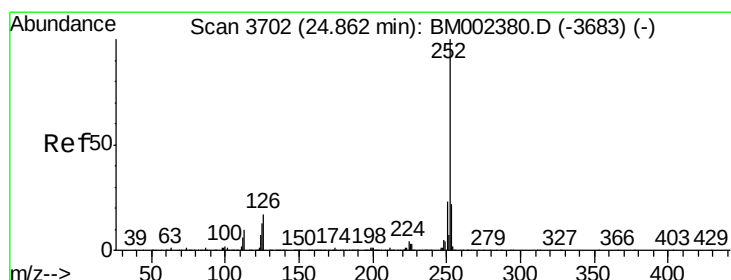
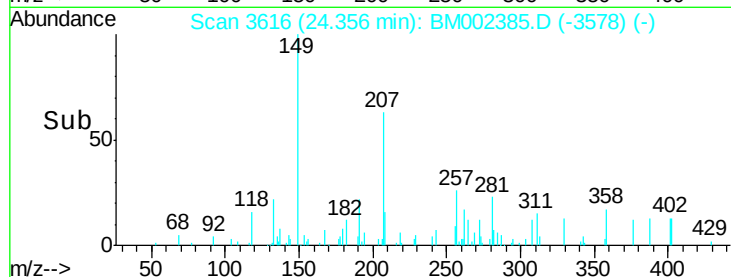
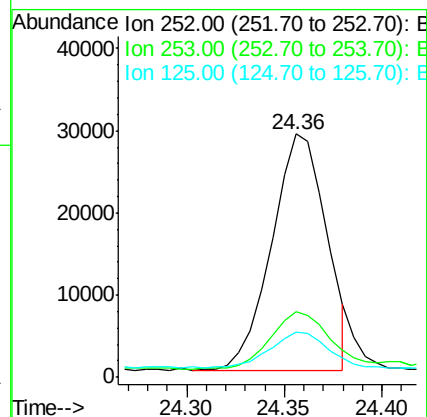
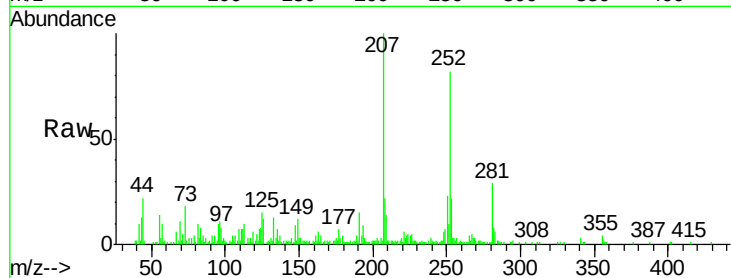
Tgt Ion:252 Resp: 55806

Ion Ratio Lower Upper

252 100

253 26.8 17.3 25.9#

125 18.7 10.2 15.4#



#26

Benzo(a)pyrene

Concen: 13.48 ng/ul

RT: 24.86 min Scan# 3702

Delta R.T. -0.00 min

Lab File: BM002385.D

Acq: 13 Aug 2015 05:50

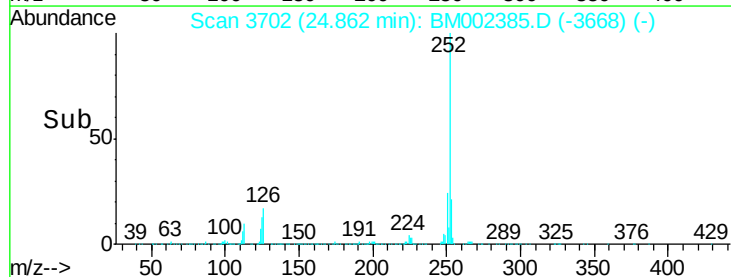
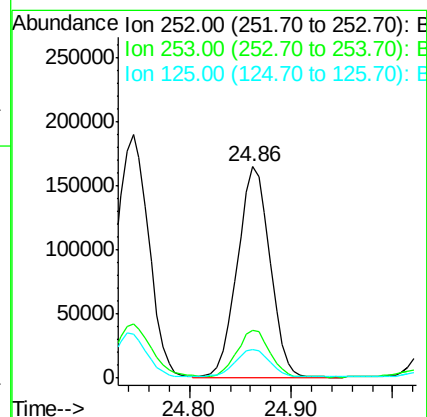
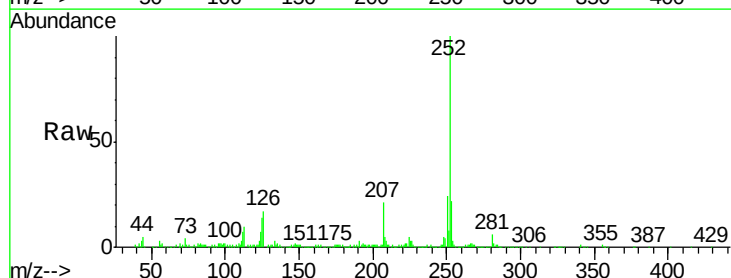
Tgt Ion:252 Resp: 366652

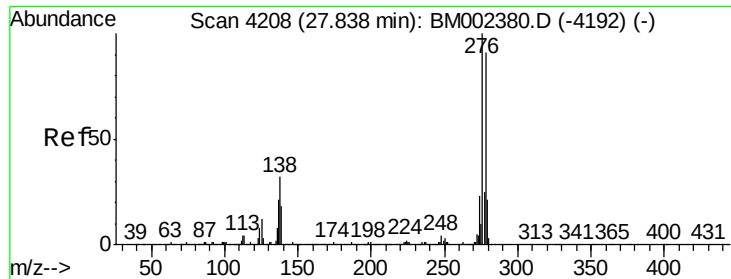
Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

125 13.8 11.0 16.6

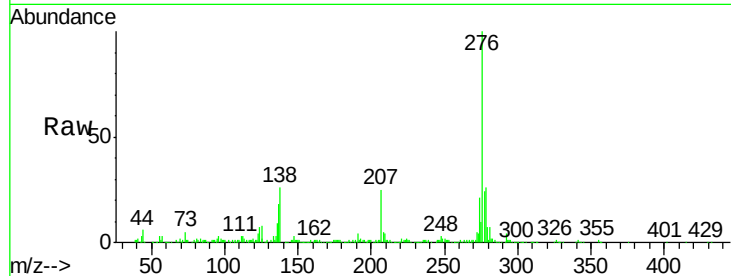




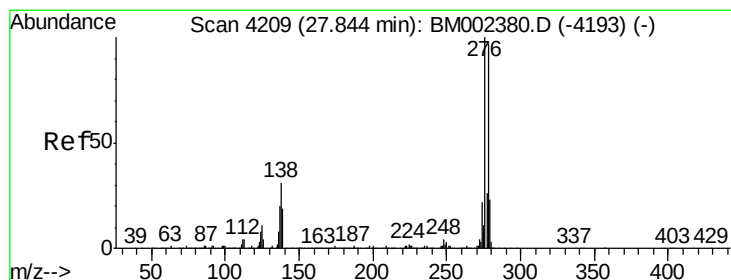
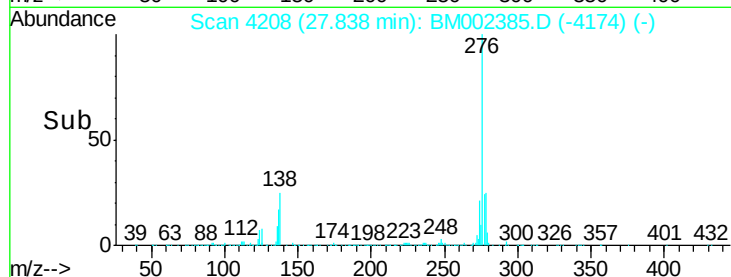
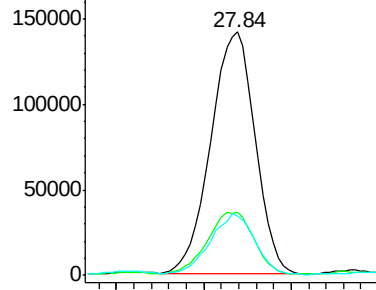
#27
 Indeno(1,2,3-cd)pyrene
 Concen: 15.73 ng/ul
 RT: 27.84 min Scan# 4208
 Delta R.T. -0.00 min
 Lab File: BM002385.D
 Acq: 13 Aug 2015 05:50

Instrument :
 BNA_M
 ClientSampleId :
 D9D86

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.7	25.6	38.4
277	24.5	21.0	31.4

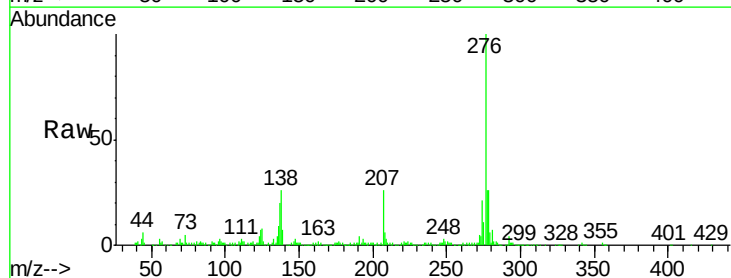


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

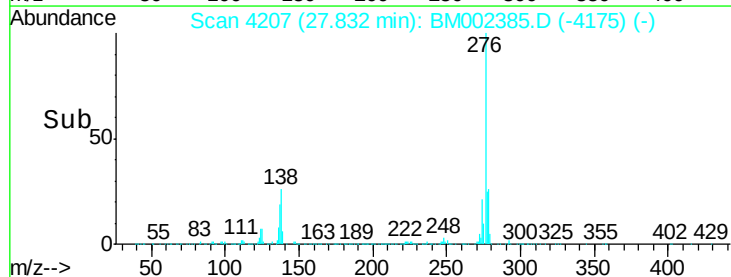
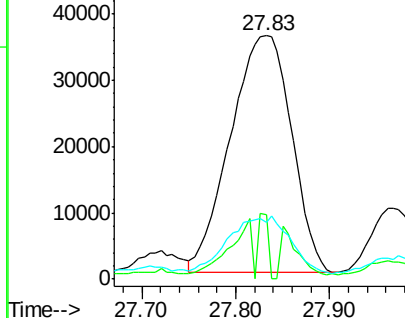


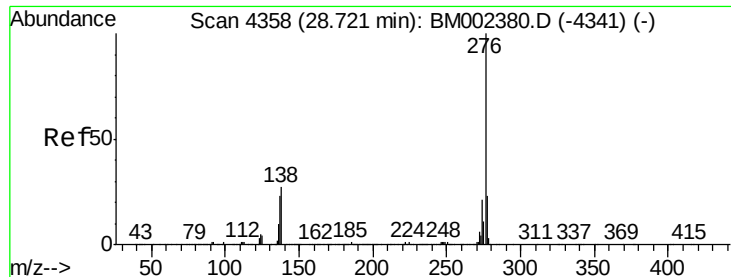
#28
 Dibenzo(a,h)anthracene
 Concen: 6.10 ng/ul
 RT: 27.83 min Scan# 4207
 Delta R.T. -0.01 min
 Lab File: BM002385.D
 Acq: 13 Aug 2015 05:50

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.3	16.4	24.6#
279	23.5	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: 18.50 ng/ul

RT: 28.73 min Scan# 4359

Delta R.T. 0.01 min

Lab File: BM002385.D

Acq: 13 Aug 2015 05:50

Instrument :

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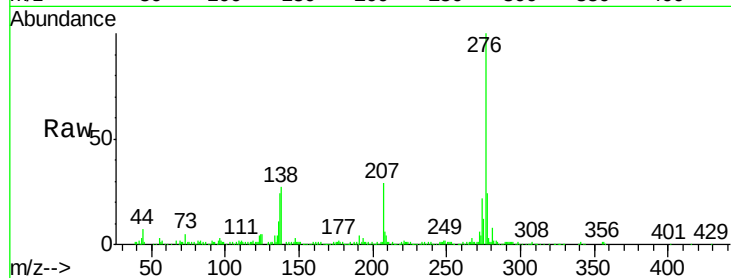
Tgt Ion: 276 Resp: 486723

Ion Ratio Lower Upper

276 100

138 26.7 20.5 30.7

277 23.6 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

