

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081315\
 Data File : BM002403.D
 Acq On : 13 Aug 2015 18:24
 Operator : UM/IZ
 Sample : G3194-22
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9DA3

Quant Time: Aug 14 02:05:13 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 14 02:01:37 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	272054	20.00	ng/ul	0.00
2) Naphthalene-d8	11.77	136	1185493	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.49	164	573553	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.20	188	994015	20.00	ng/ul	0.00
17) Chrysene-d12	22.29	240	707260	20.00	ng/ul	0.00
22) Perylene-d12	24.99	264	698093	20.00	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.19	160	1017844	17.13	ng/ul	0.00
10) Fluorene-d10	16.46	176	649354	15.71	ng/ul	0.00
14) Anthracene-d10	18.30	188	825820	17.12	ng/ul	0.00
18) Pyrene-d10	20.52	212	660815	19.26	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.81	264	603157	16.27	ng/ul	0.00

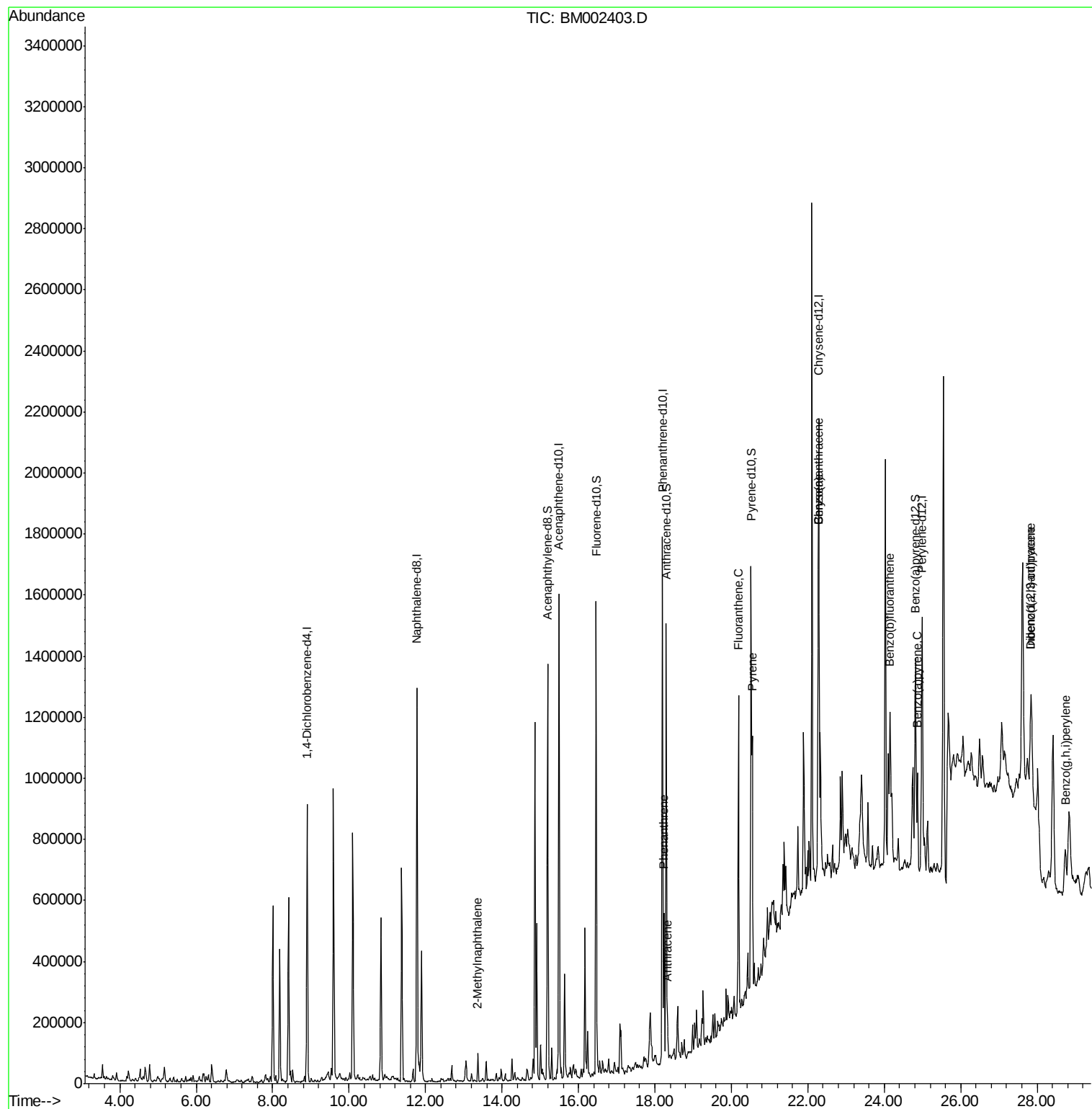
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) 2-Methylnaphthalene	13.37	142	45746	1.03	ng/ul	95
13) Phenanthrene	18.24	178	295937	5.17	ng/ul	99
15) Anthracene	18.33	178	66496	1.13	ng/ul	98
16) Fluoranthene	20.19	202	621267	9.81	ng/ul	99
19) Pyrene	20.54	202	477149	10.44	ng/ul	95
20) Benzo(a)anthracene	22.27	228	287865	6.67	ng/ul	98
21) Chrysene	22.27	228	285753	6.98	ng/ul	96
23) Benzo(b)fluoranthene	24.16	252	438946	10.12	ng/ul	97
26) Benzo(a)pyrene	24.87	252	262893	6.33	ng/ul	95
27) Indeno(1,2,3-cd)pyrene	27.84	276	310454	6.52	ng/ul	97
28) Dibenzo(a,h)anthracene	27.84	278	83608	2.07	ng/ul#	77
29) Benzo(g,h,i)perylene	28.73	276	192981	4.81	ng/ul	97

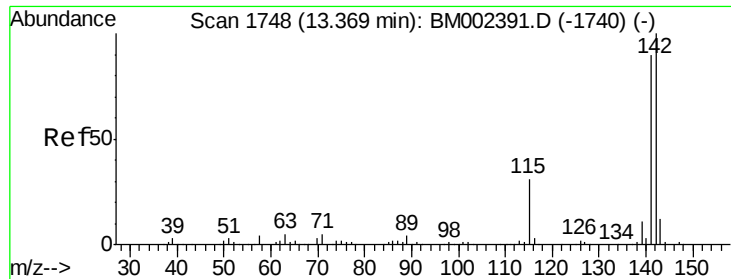
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#4

2-Methylnaphthalene

Concen: 1.03 ng/ul

RT: 13.37 min Scan# 1748

Delta R.T. -0.00 min

Lab File: BM002403.D

Acq: 13 Aug 2015 18:24

Instrument :

BNA_M

ClientSampleId :

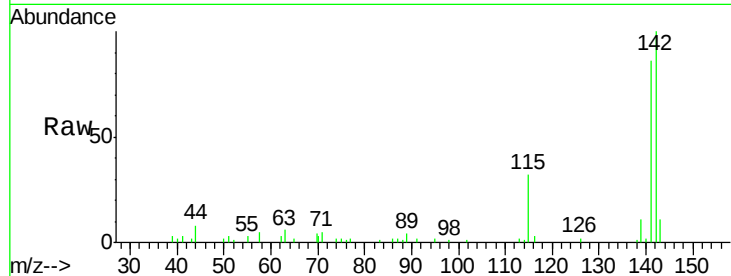
D9DA3

Tgt Ion:142 Resp: 45746

Ion Ratio Lower Upper

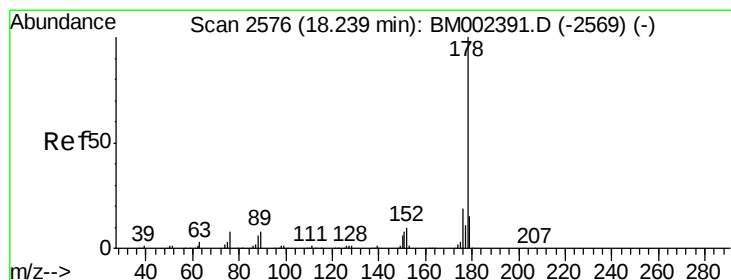
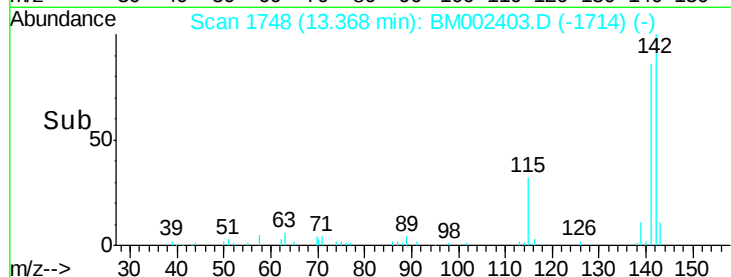
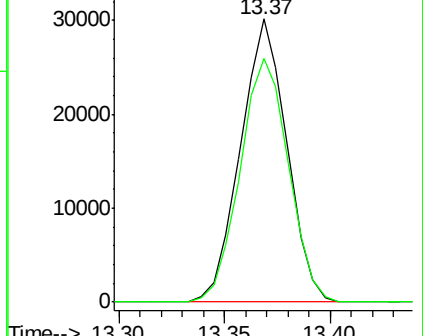
142 100

141 86.2 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#13

Phenanthrene

Concen: 5.17 ng/ul

RT: 18.24 min Scan# 2576

Delta R.T. -0.00 min

Lab File: BM002403.D

Acq: 13 Aug 2015 18:24

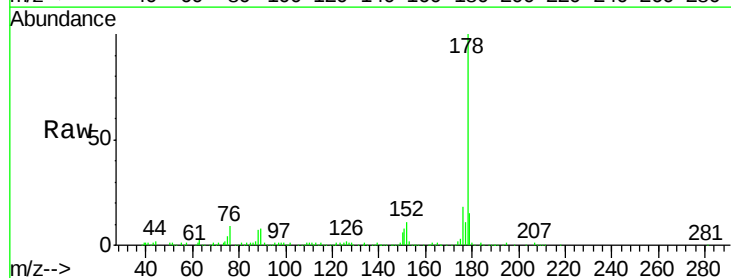
Tgt Ion:178 Resp: 295937

Ion Ratio Lower Upper

178 100

179 15.4 12.3 18.5

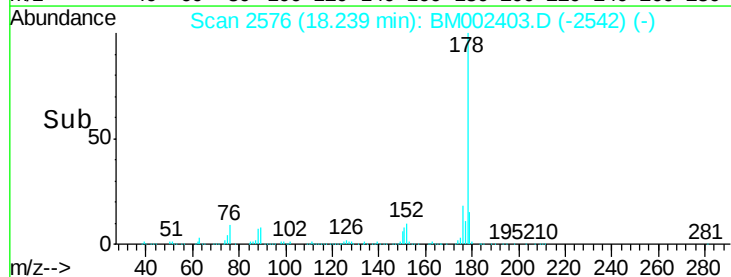
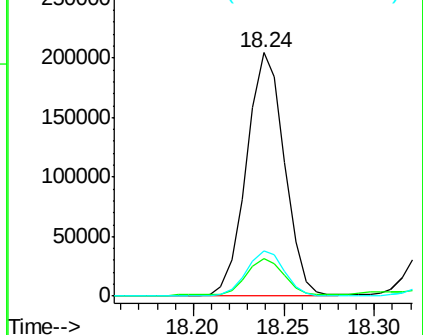
176 18.4 15.3 22.9

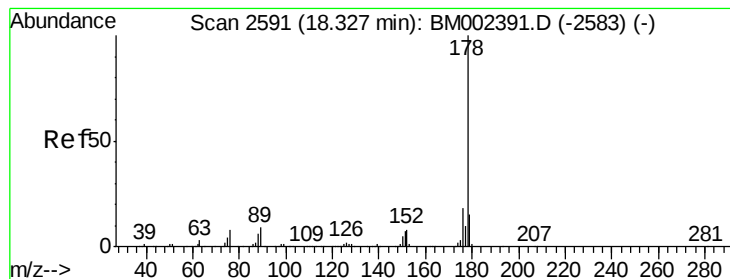


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Anthracene

Concen: 1.13 ng/ul

RT: 18.33 min Scan# 2591

Delta R.T. -0.00 min

Lab File: BM002403.D

Acq: 13 Aug 2015 18:24

Instrument :

BNA_M

ClientSampleId :

D9DA3

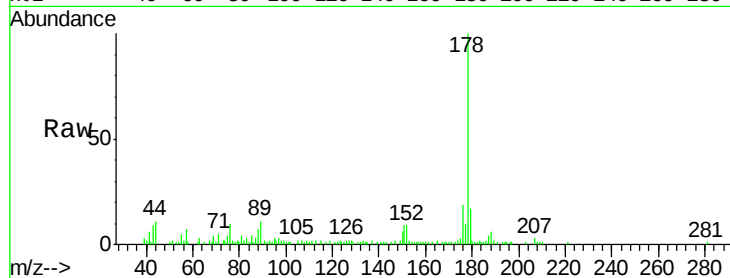
Tgt Ion:178 Resp: 66496

Ion Ratio Lower Upper

178 100

179 16.5 12.3 18.5

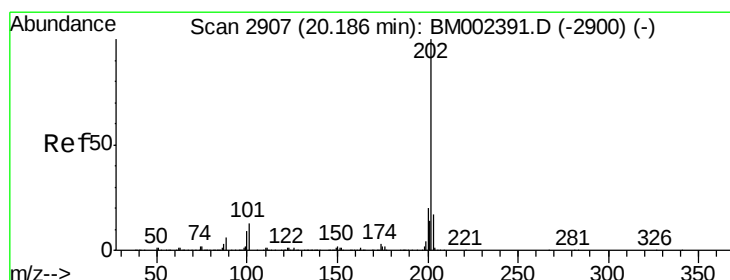
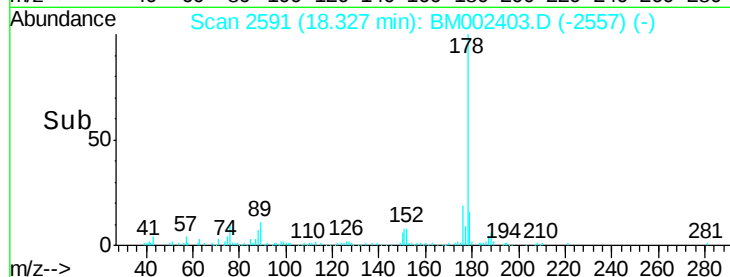
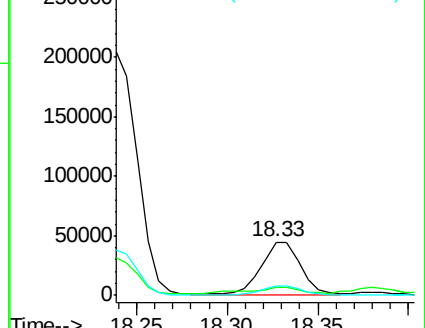
176 18.8 14.5 21.7



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: 9.81 ng/ul

RT: 20.19 min Scan# 2907

Delta R.T. -0.00 min

Lab File: BM002403.D

Acq: 13 Aug 2015 18:24

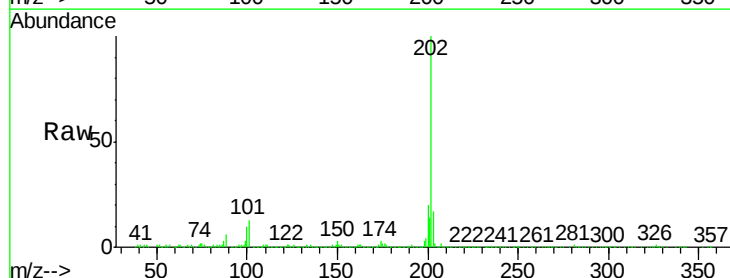
Tgt Ion:202 Resp: 621267

Ion Ratio Lower Upper

202 100

101 12.6 10.6 15.8

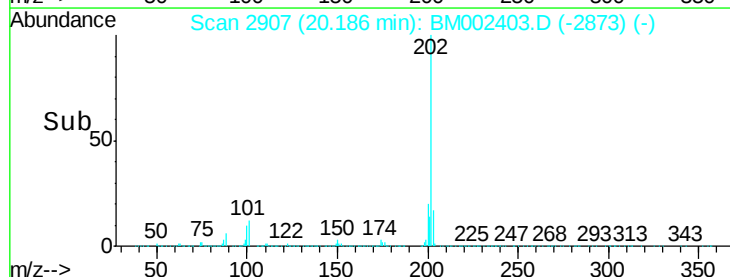
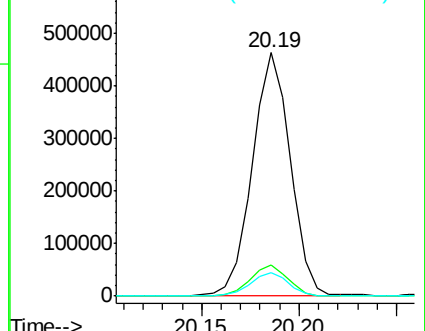
100 9.8 8.2 12.4

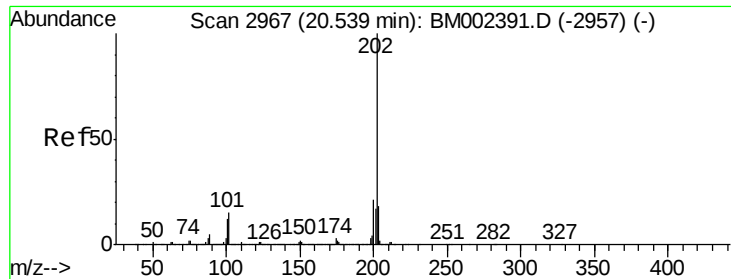


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#19

Pyrene

Concen: 10.44 ng/ul

RT: 20.54 min Scan# 2968

Delta R.T. 0.01 min

Lab File: BM002403.D

Acq: 13 Aug 2015 18:24

Instrument :

BNA_M

ClientSampleId :

D9DA3

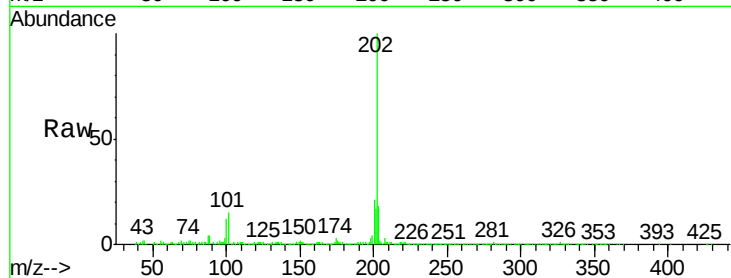
Tgt Ion:202 Resp: 477149

Ion Ratio Lower Upper

202 100

101 14.5 13.0 19.6

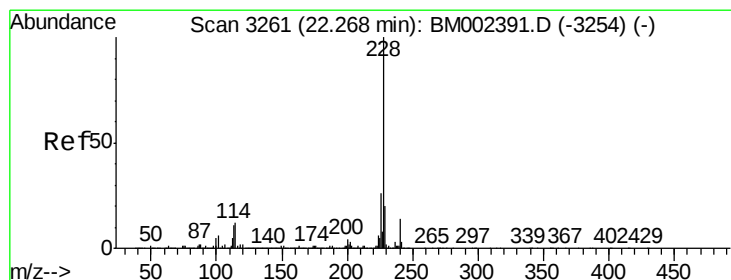
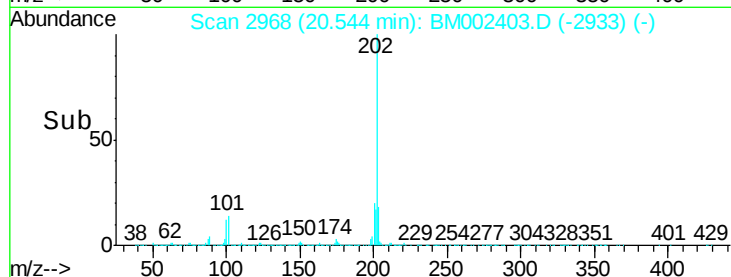
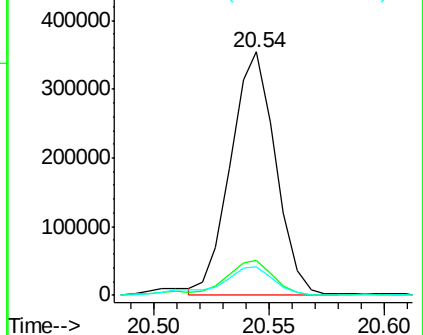
100 11.7 11.0 16.4



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): B



#20

Benzo(a)anthracene

Concen: 6.67 ng/ul

RT: 22.27 min Scan# 3261

Delta R.T. -0.00 min

Lab File: BM002403.D

Acq: 13 Aug 2015 18:24

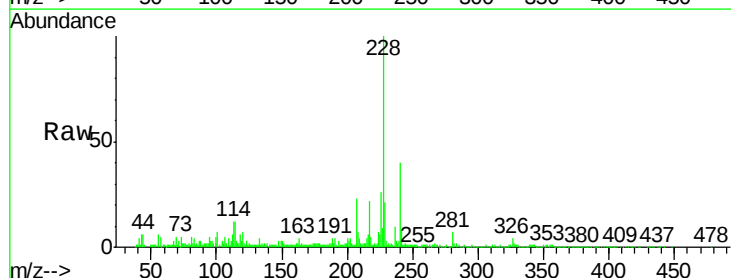
Tgt Ion:228 Resp: 287865

Ion Ratio Lower Upper

228 100

229 20.9 15.7 23.5

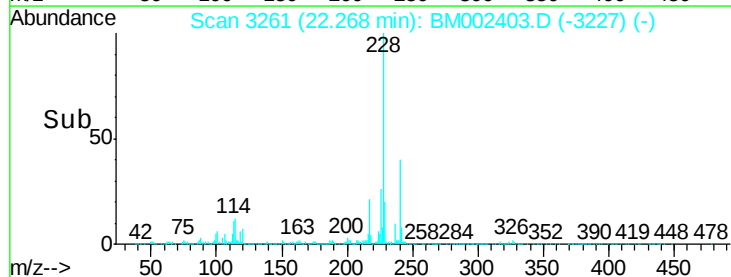
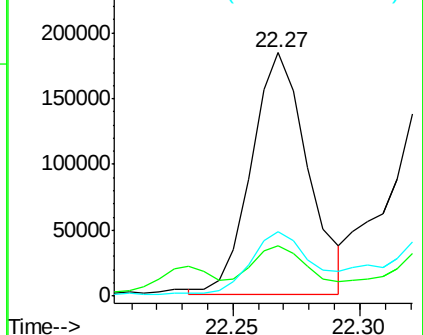
226 26.4 21.4 32.0

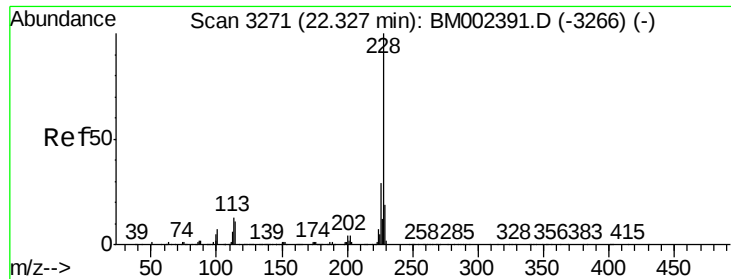


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 6.98 ng/ul

RT: 22.27 min Scan# 3261

Delta R.T. -0.06 min

Lab File: BM002403.D

Acq: 13 Aug 2015 18:24

Instrument :

BNA_M

ClientSampled :

D9DA3

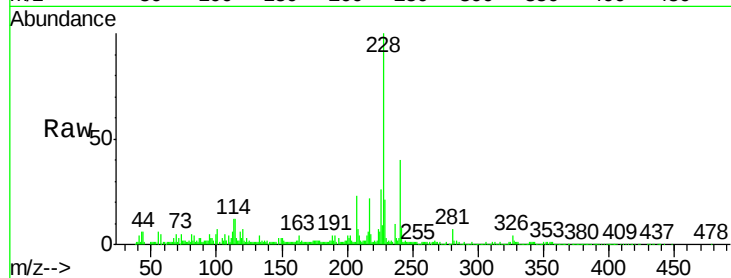
Tgt Ion:228 Resp: 285753

Ion Ratio Lower Upper

228 100

226 26.4 23.4 35.0

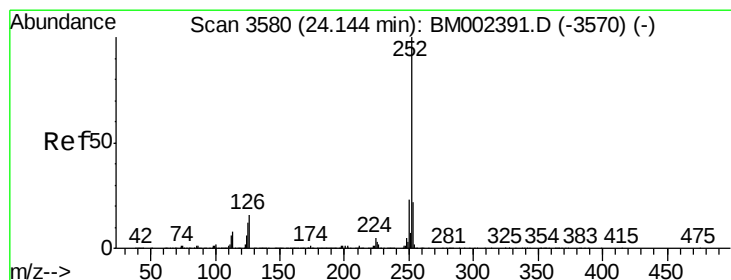
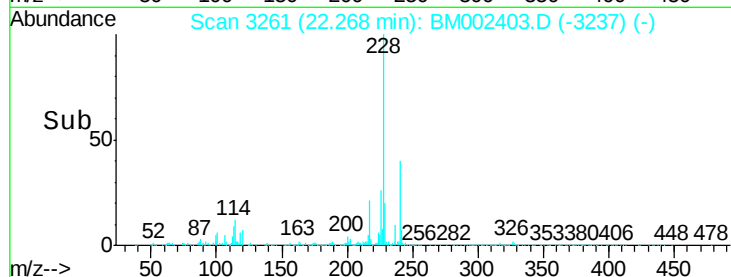
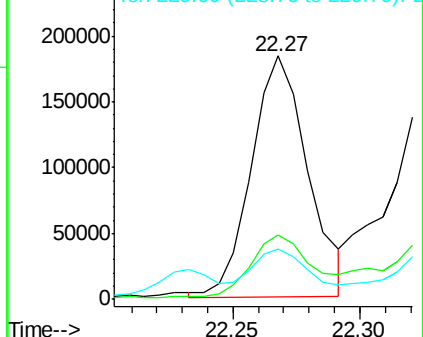
229 20.9 15.5 23.3



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: 10.12 ng/ul

RT: 24.16 min Scan# 3582

Delta R.T. 0.01 min

Lab File: BM002403.D

Acq: 13 Aug 2015 18:24

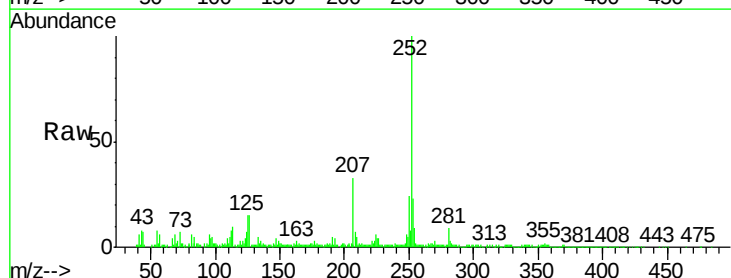
Tgt Ion:252 Resp: 438946

Ion Ratio Lower Upper

252 100

253 22.9 17.9 26.9

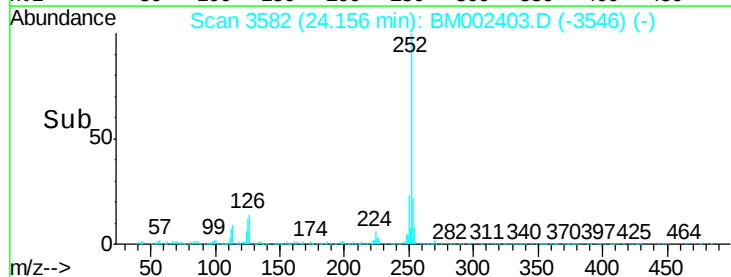
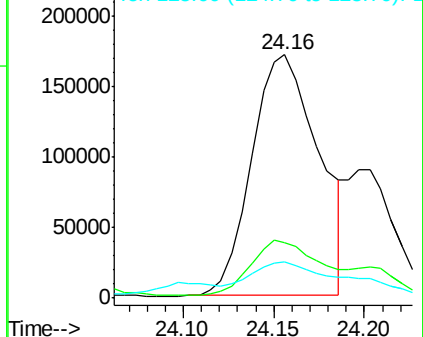
125 15.0 10.3 15.5

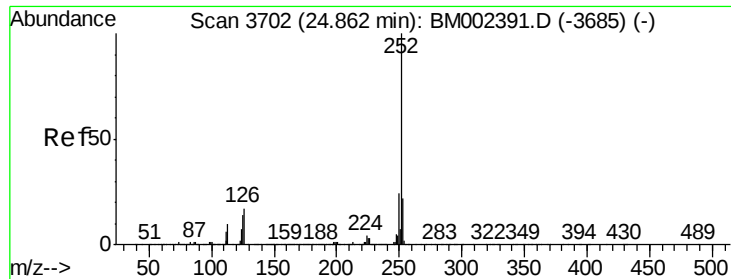


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

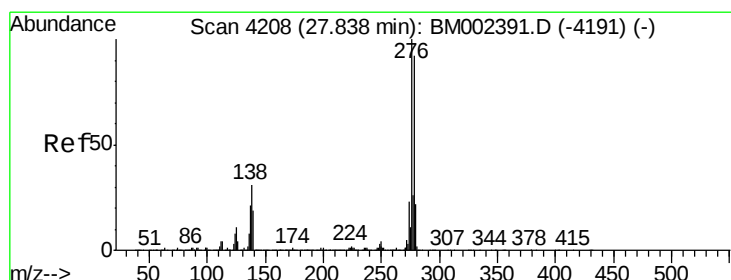
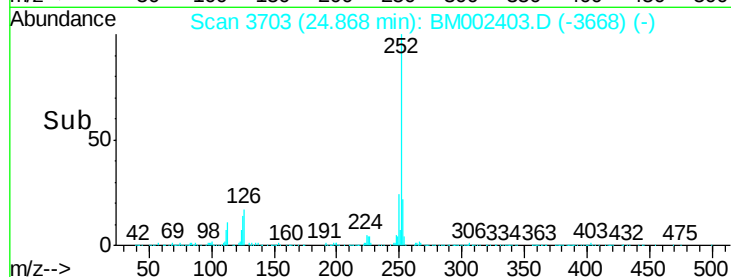
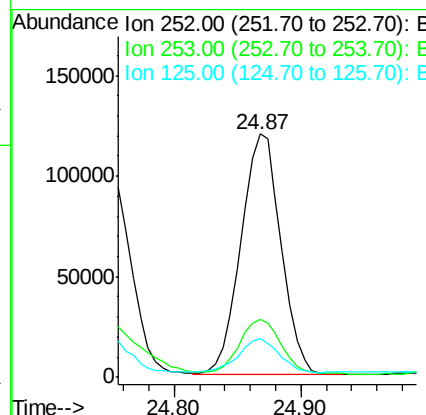
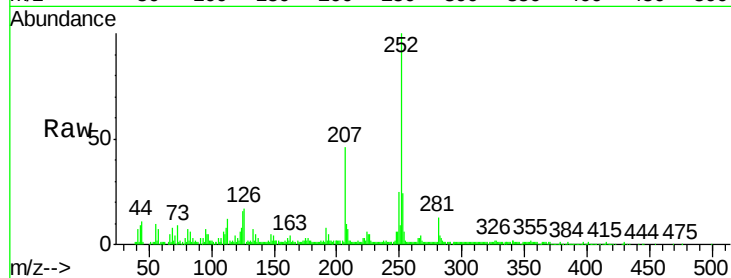




#26
Benzo(a)pyrene
Concen: 6.33 ng/ul
RT: 24.87 min Scan# 3703
Delta R.T. 0.01 min
Lab File: BM002403.D
Acq: 13 Aug 2015 18:24

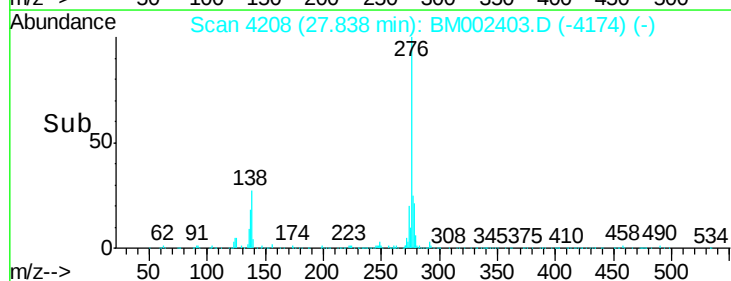
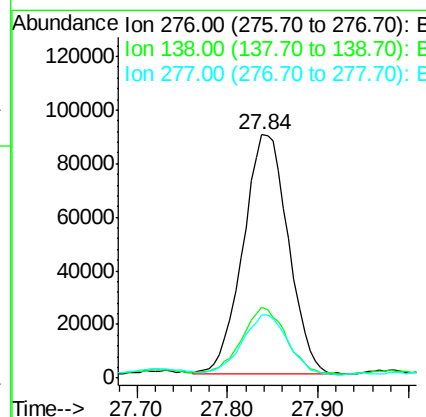
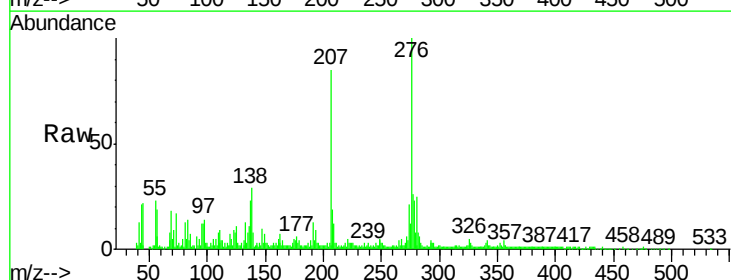
Instrument :
BNA_M
ClientSampleId :
D9DA3

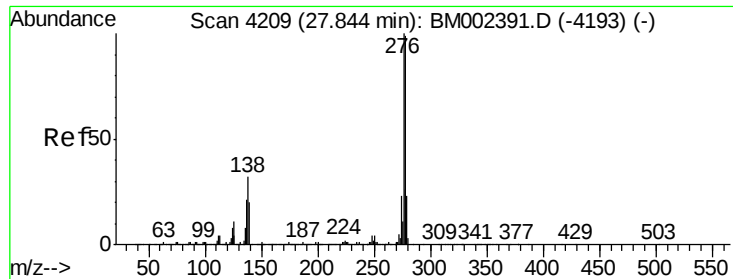
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.3	25.9
125	16.0	11.0	16.6



#27
Indeno(1,2,3-cd)pyrene
Concen: 6.52 ng/ul
RT: 27.84 min Scan# 4208
Delta R.T. -0.00 min
Lab File: BM002403.D
Acq: 13 Aug 2015 18:24

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.3	25.6	38.4
277	26.2	21.0	31.4





#28

Dibenzo(a,h)anthracene

Concen: 2.07 ng/ul

RT: 27.84 min Scan# 4209

Delta R.T. -0.00 min

Lab File: BM002403.D

Acq: 13 Aug 2015 18:24

Instrument :

BNA_M

ClientSampleId :

D9DA3

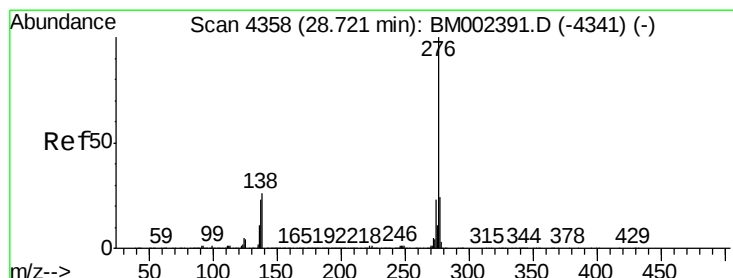
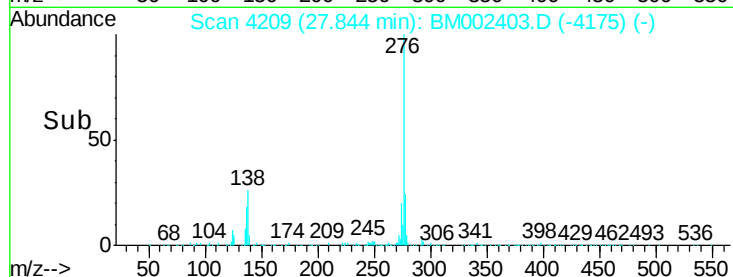
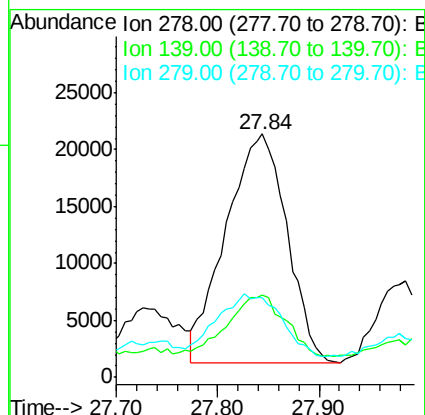
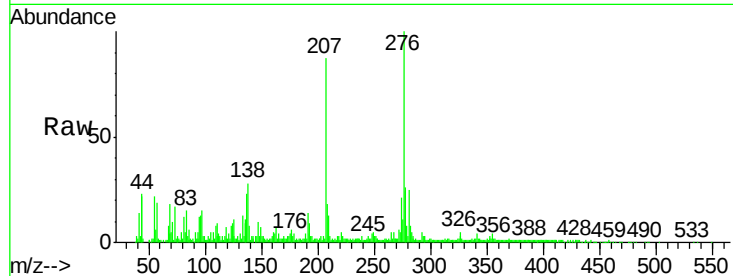
Tgt Ion:278 Resp: 83608

Ion Ratio Lower Upper

278 100

139 33.7 16.4 24.6#

279 32.7 18.8 28.2#



#29

Benzo(g,h,i)perylene

Concen: 4.81 ng/ul

RT: 28.73 min Scan# 4360

Delta R.T. 0.01 min

Lab File: BM002403.D

Acq: 13 Aug 2015 18:24

Tgt Ion:276 Resp: 192981

Ion Ratio Lower Upper

276 100

138 27.3 20.5 30.7

277 24.8 19.0 28.6

