

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081315\
 Data File : BM002398.D
 Acq On : 13 Aug 2015 15:21
 Operator : UM/IZ
 Sample : G3194-17
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9DB8

Quant Time: Aug 14 02:04:00 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	338206	20.00	ng/ul	0.00
2) Naphthalene-d8	11.77	136	1101268	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.49	164	547041	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.20	188	1015321	20.00	ng/ul	0.00
17) Chrysene-d12	22.29	240	724085	20.00	ng/ul	0.00
22) Perylene-d12	24.99	264	1050171	20.00	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.19	160	1014053	17.89	ng/ul	0.00
10) Fluorene-d10	16.46	176	672597	17.07	ng/ul	0.00
14) Anthracene-d10	18.29	188	904783	18.36	ng/ul	0.00
18) Pyrene-d10	20.52	212	750127	21.36	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.81	264	947542	16.99	ng/ul	0.00

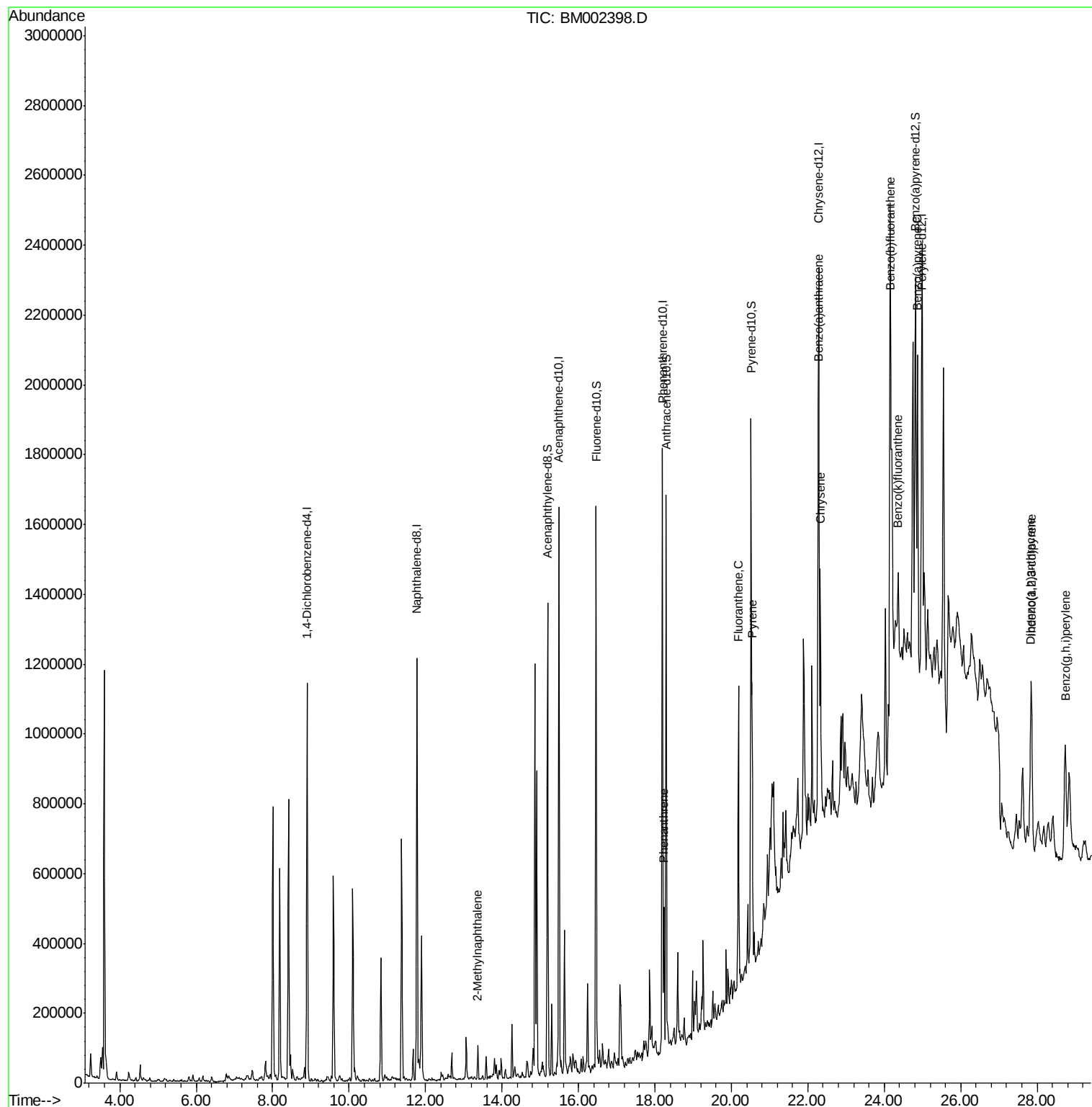
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) 2-Methylnaphthalene	13.37	142	49145	1.19	ng/ul	99
13) Phenanthrene	18.24	178	254038	4.35	ng/ul	98
16) Fluoranthene	20.19	202	530151	8.19	ng/ul	97
19) Pyrene	20.54	202	463559	9.90	ng/ul	94
20) Benzo(a)anthracene	22.27	228	394730	8.93	ng/ul	97
21) Chrysene	22.33	228	486784	11.62	ng/ul	96
23) Benzo(b)fluoranthene	24.16	252	1284042	19.67	ng/ul	99
24) Benzo(k)fluoranthene	24.36	252	114063	1.82	ng/ul#	79
26) Benzo(a)pyrene	24.87	252	755985	12.10	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	27.84	276	474233	6.62	ng/ul	94
28) Dibenzo(a,h)anthracene	27.83	278	73380	1.21	ng/ul#	88
29) Benzo(g,h,i)perylene	28.73	276	459850	7.61	ng/ul	99

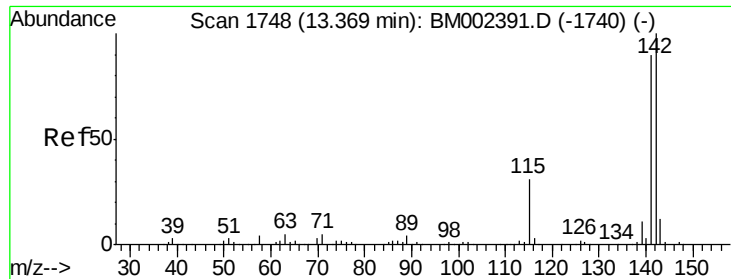
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

2-Methylnaphthalene

Concen: 1.19 ng/ul

RT: 13.37 min Scan# 1748

Delta R.T. 0.00 min

Lab File: BM002398.D

Acq: 13 Aug 2015 15:21

Instrument :

BNA_M

ClientSampleId :

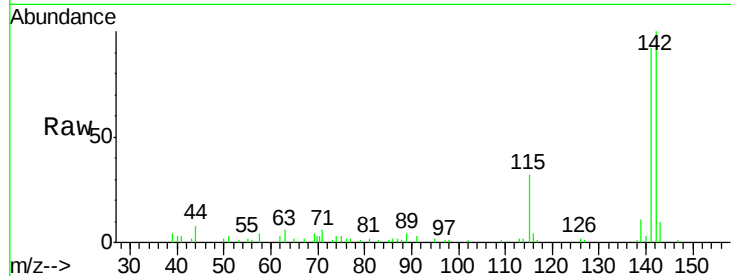
D9DB8

Tgt Ion:142 Resp: 49145

Ion Ratio Lower Upper

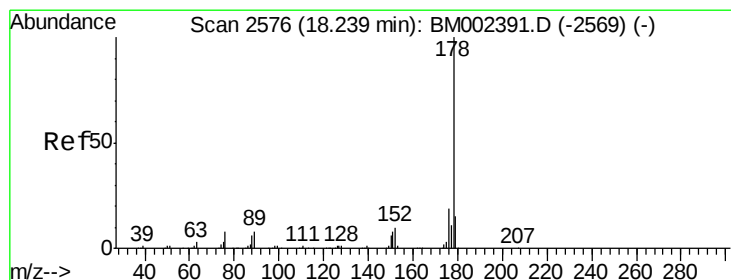
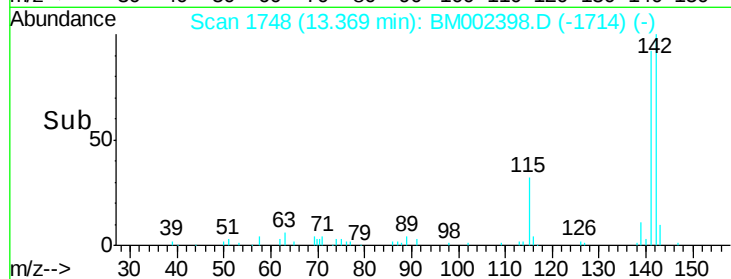
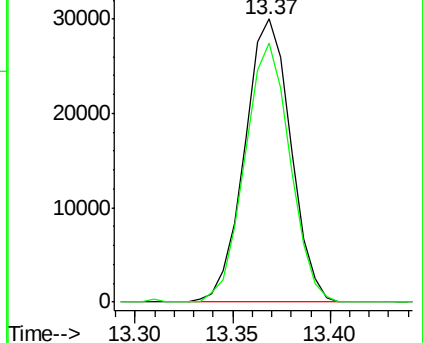
142 100

141 91.7 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: 4.35 ng/ul

RT: 18.24 min Scan# 2576

Delta R.T. 0.00 min

Lab File: BM002398.D

Acq: 13 Aug 2015 15:21

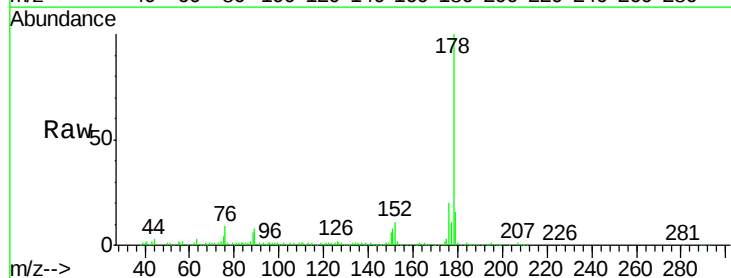
Tgt Ion:178 Resp: 254038

Ion Ratio Lower Upper

178 100

179 16.1 12.3 18.5

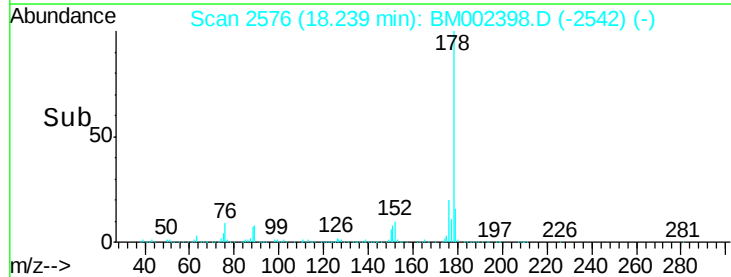
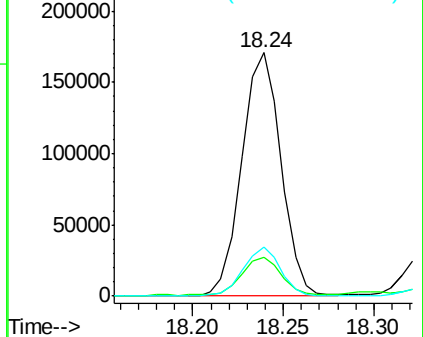
176 20.2 15.3 22.9

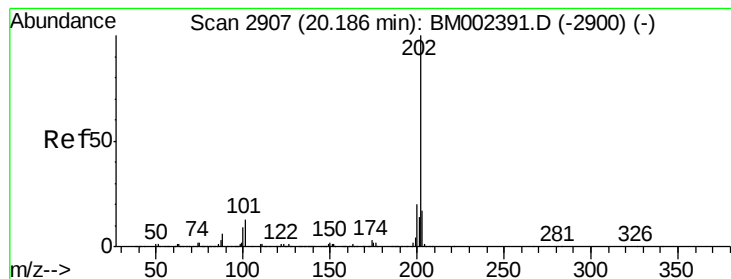


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

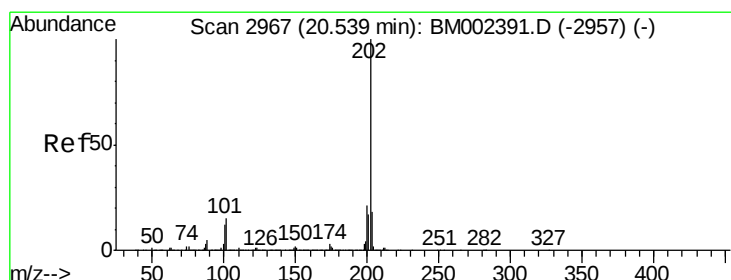
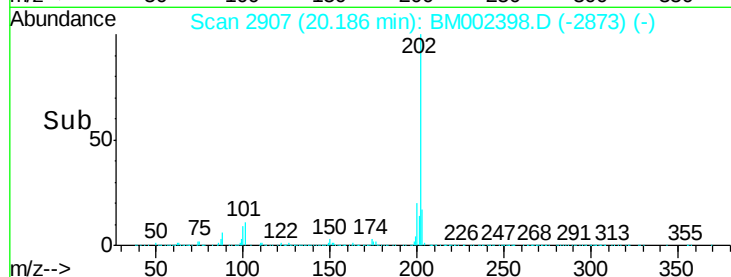
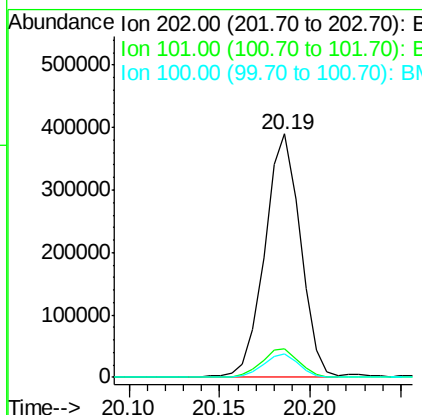
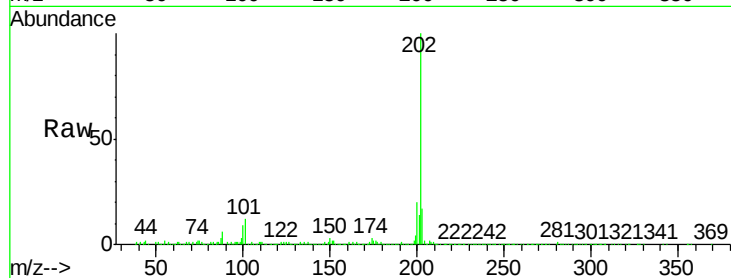




#16
 Fluoranthene
 Concen: 8.19 ng/ul
 RT: 20.19 min Scan# 2907
 Delta R.T. 0.00 min
 Lab File: BM002398.D
 Acq: 13 Aug 2015 15:21

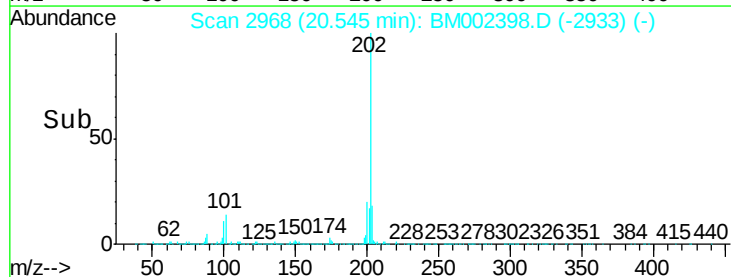
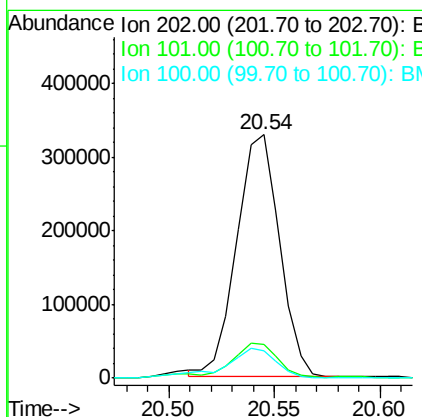
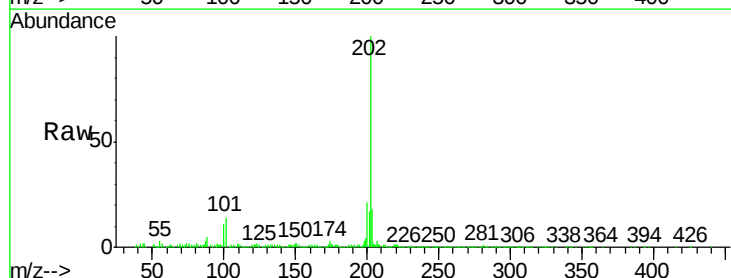
Instrument :
 BNA_M
 ClientSampleId :
 D9DB8

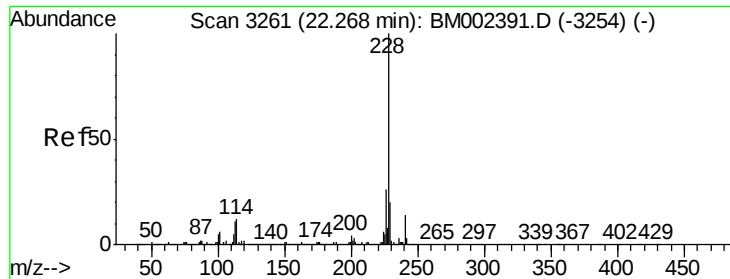
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.7	10.6	15.8
100	9.4	8.2	12.4



#19
 Pyrene
 Concen: 9.90 ng/ul
 RT: 20.54 min Scan# 2968
 Delta R.T. 0.01 min
 Lab File: BM002398.D
 Acq: 13 Aug 2015 15:21

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.8	13.0	19.6
100	11.3	11.0	16.4





#20

Benzo(a)anthracene

Concen: 8.93 ng/ul

RT: 22.27 min Scan# 3261

Delta R.T. 0.00 min

Lab File: BM002398.D

Acq: 13 Aug 2015 15:21

Instrument :

BNA_M

ClientSampleId :

D9DB8

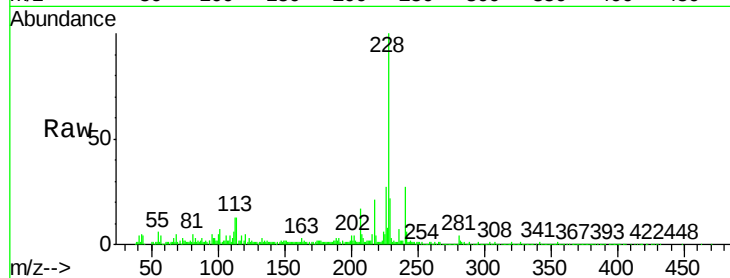
Tgt Ion:228 Resp: 394730

Ion Ratio Lower Upper

228 100

229 21.6 15.7 23.5

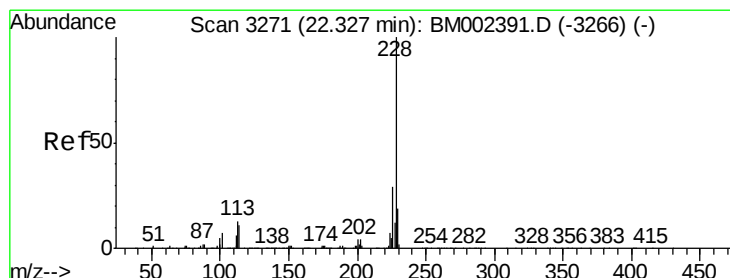
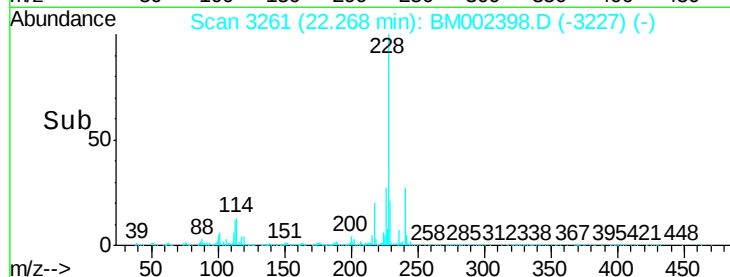
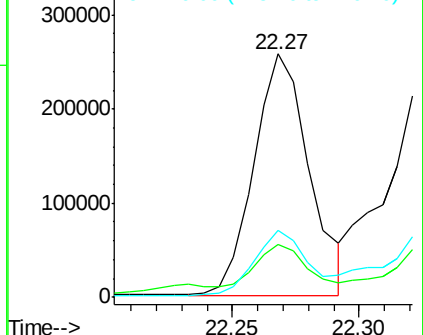
226 27.3 21.4 32.0



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: 11.62 ng/ul

RT: 22.33 min Scan# 3271

Delta R.T. 0.00 min

Lab File: BM002398.D

Acq: 13 Aug 2015 15:21

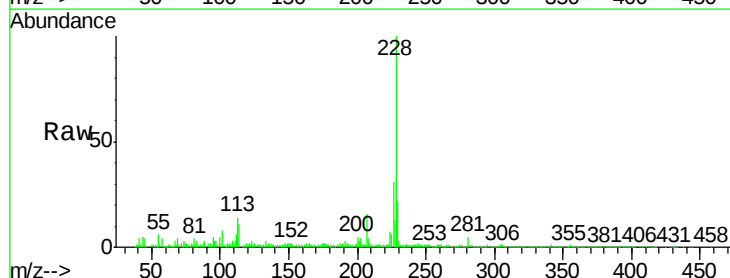
Tgt Ion:228 Resp: 486784

Ion Ratio Lower Upper

228 100

226 31.1 23.4 35.0

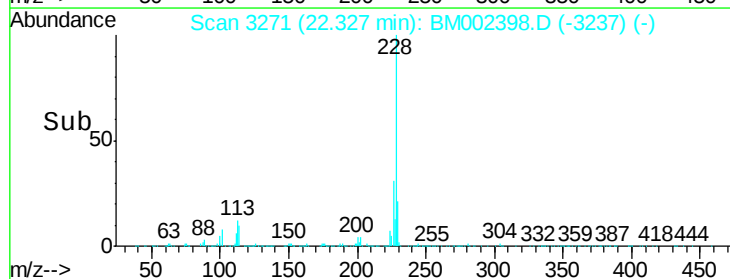
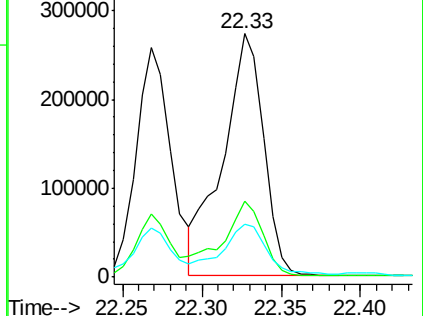
229 21.9 15.5 23.3

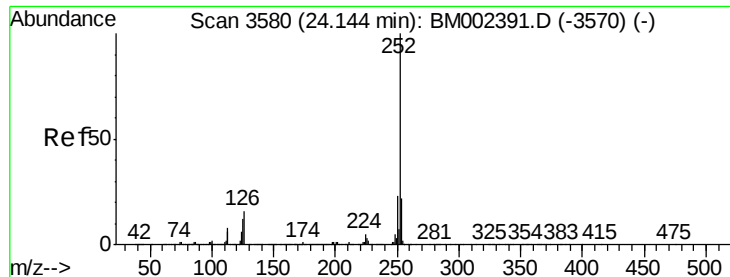


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 19.67 ng/ul

RT: 24.16 min Scan# 3582

Delta R.T. 0.01 min

Lab File: BM002398.D

Acq: 13 Aug 2015 15:21

Instrument :

BNA_M

ClientSampleId :

D9DB8

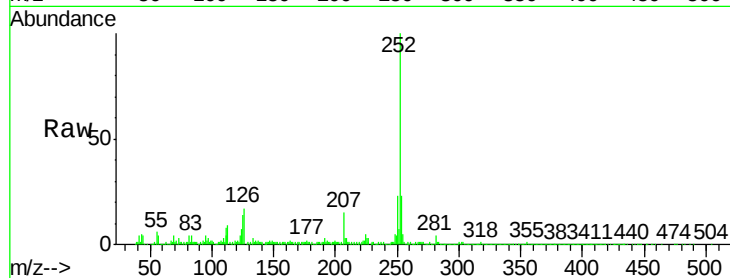
Tgt Ion:252 Resp: 1284042

Ion Ratio Lower Upper

252 100

253 22.5 17.9 26.9

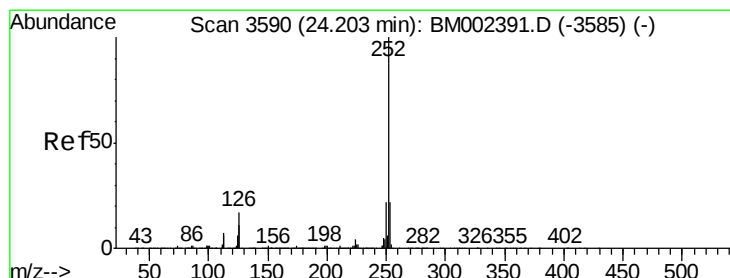
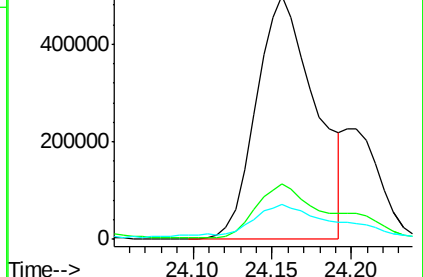
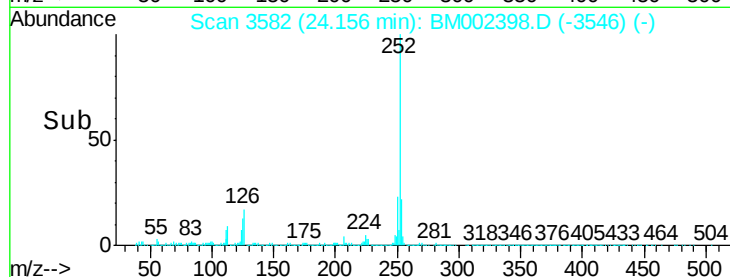
125 14.3 10.3 15.5



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: 1.82 ng/ul

RT: 24.36 min Scan# 3617

Delta R.T. 0.16 min

Lab File: BM002398.D

Acq: 13 Aug 2015 15:21

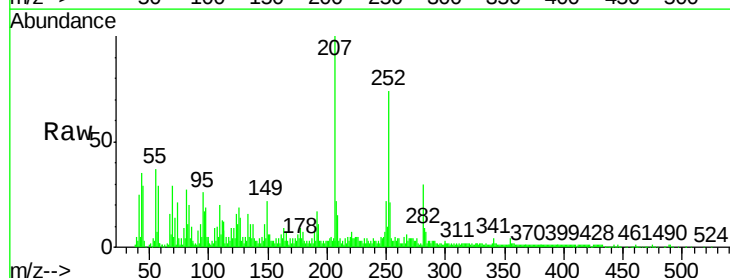
Tgt Ion:252 Resp: 114063

Ion Ratio Lower Upper

252 100

253 28.7 17.3 25.9#

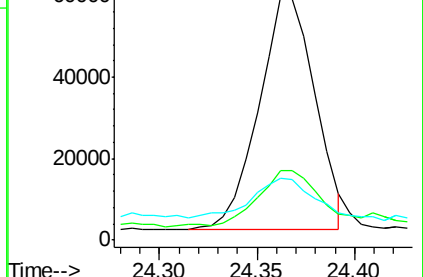
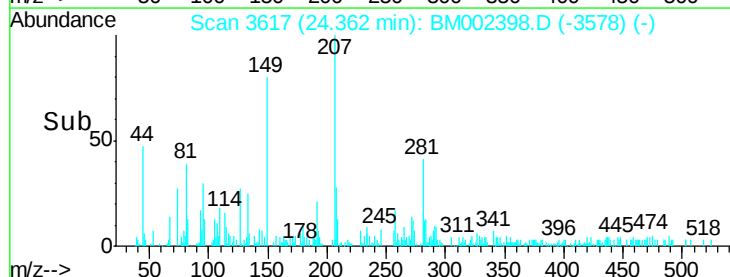
125 25.4 10.2 15.4#

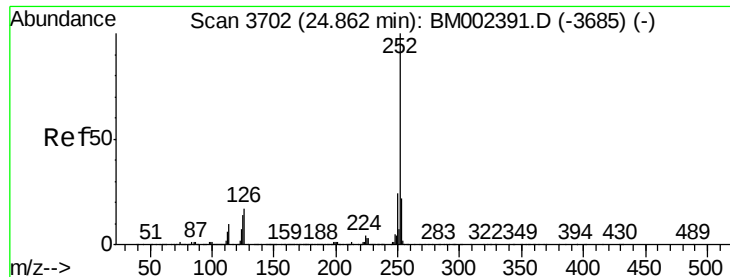


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 12.10 ng/ul

RT: 24.87 min Scan# 3703

Delta R.T. 0.01 min

Lab File: BM002398.D

Acq: 13 Aug 2015 15:21

Instrument :

BNA_M

ClientSampleId :

D9DB8

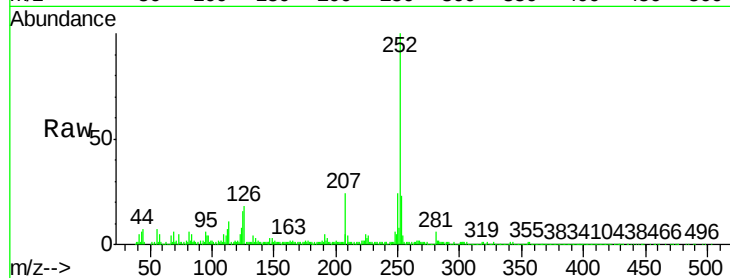
Tgt Ion:252 Resp: 755985

Ion Ratio Lower Upper

252 100

253 22.9 17.3 25.9

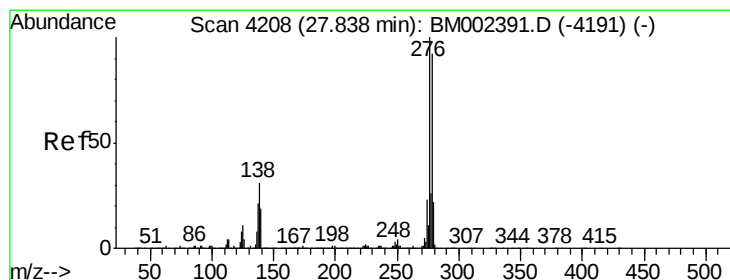
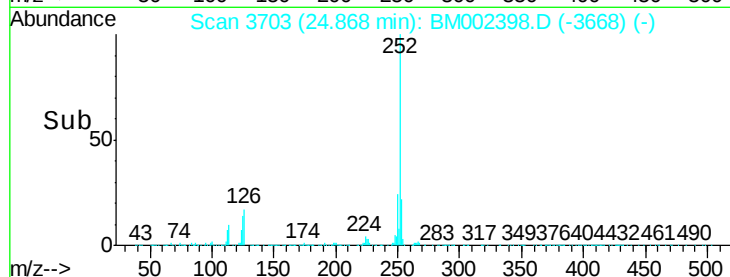
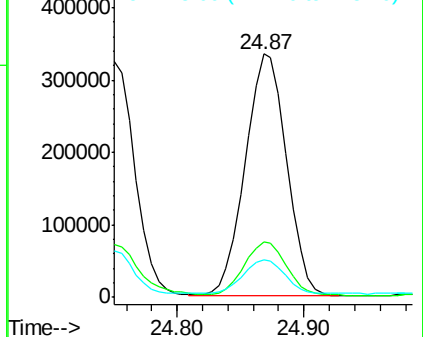
125 15.6 11.0 16.6



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: 6.62 ng/ul

RT: 27.84 min Scan# 4209

Delta R.T. 0.01 min

Lab File: BM002398.D

Acq: 13 Aug 2015 15:21

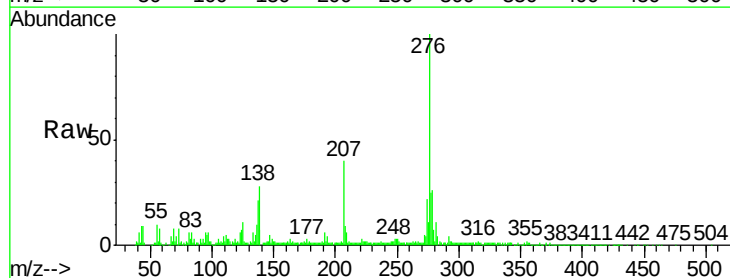
Tgt Ion:276 Resp: 474233

Ion Ratio Lower Upper

276 100

138 27.8 25.6 38.4

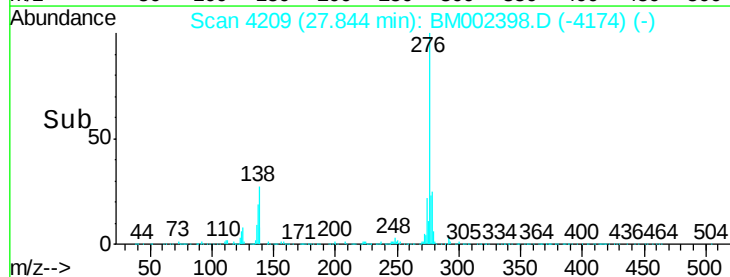
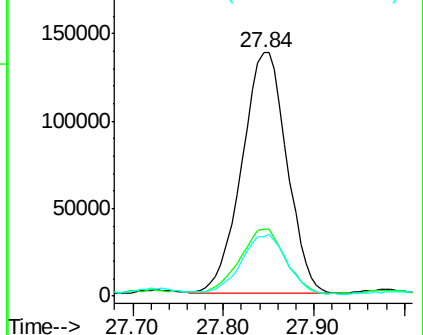
277 24.5 21.0 31.4

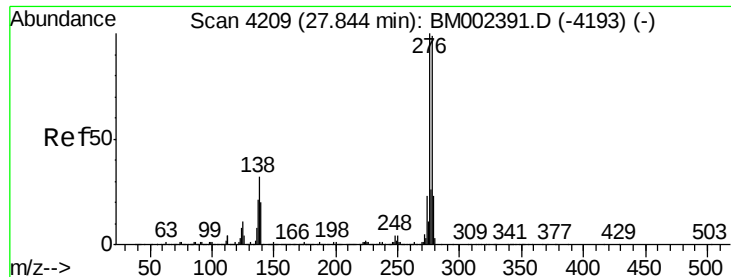


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

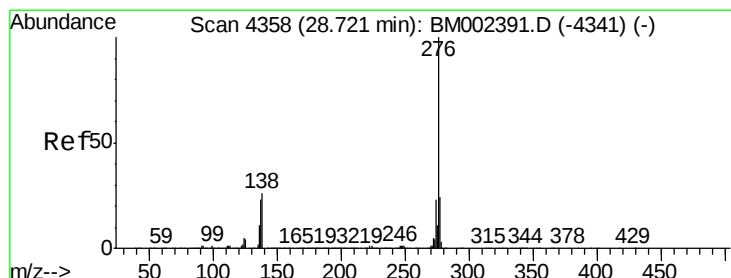
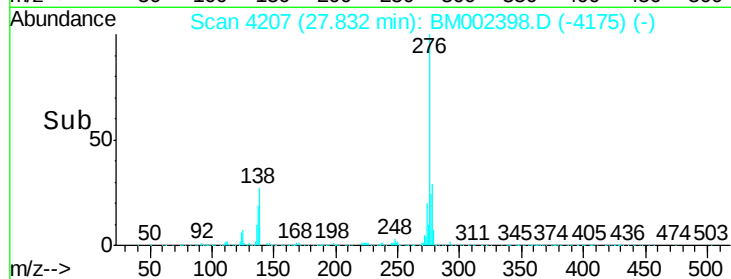
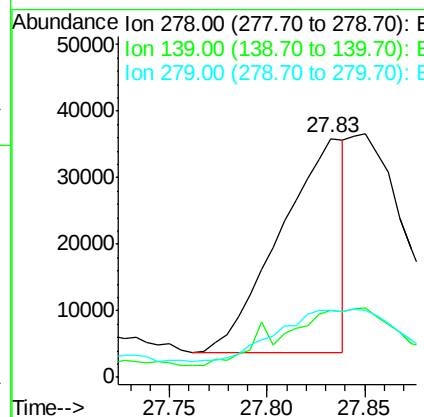
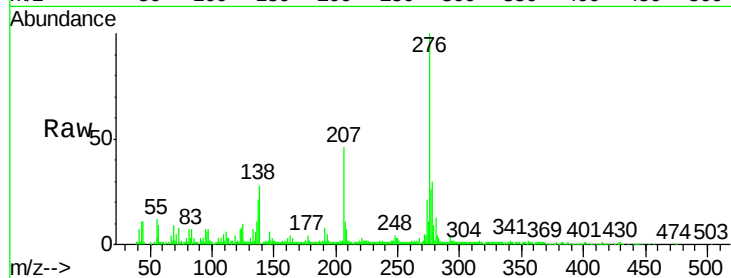




#28
Dibenzo(a,h)anthracene
Concen: 1.21 ng/ul
RT: 27.83 min Scan# 4207
Delta R.T. -0.01 min
Lab File: BM002398.D
Acq: 13 Aug 2015 15:21

Instrument :
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Tgt Ion	Ratio	Lower	Upper
278	100		
139	27.8	16.4	24.6
279	28.2	18.8	28.2



#29
Benzo(g,h,i)perylene
Concen: 7.61 ng/ul
RT: 28.73 min Scan# 4360
Delta R.T. 0.01 min
Lab File: BM002398.D
Acq: 13 Aug 2015 15:21

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.7	20.5	30.7
277	24.2	19.0	28.6

