

Data Path : Z:\HPCHEM1\BNA_M\Data\BM081215\
 Data File : BM002361.D
 Acq On : 12 Aug 2015 15:11
 Operator : UM/IZ
 Sample : G3163-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9C94

Quant Time: Aug 12 18:06:31 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 12 17:25:11 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	204235	20.00	ng/ul	0.00
2) Naphthalene-d8	11.77	136	953258	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.49	164	514438	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.19	188	930068	20.00	ng/ul	0.00
17) Chrysene-d12	22.29	240	647614	20.00	ng/ul	0.00
22) Perylene-d12	24.99	264	627092	20.00	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.19	160	1084360	20.35	ng/ul	0.00
10) Fluorene-d10	16.46	176	706285	19.06	ng/ul	0.00
14) Anthracene-d10	18.29	188	909656	20.16	ng/ul	0.00
18) Pyrene-d10	20.52	212	740129	23.56	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.81	264	650023	19.52	ng/ul	0.01

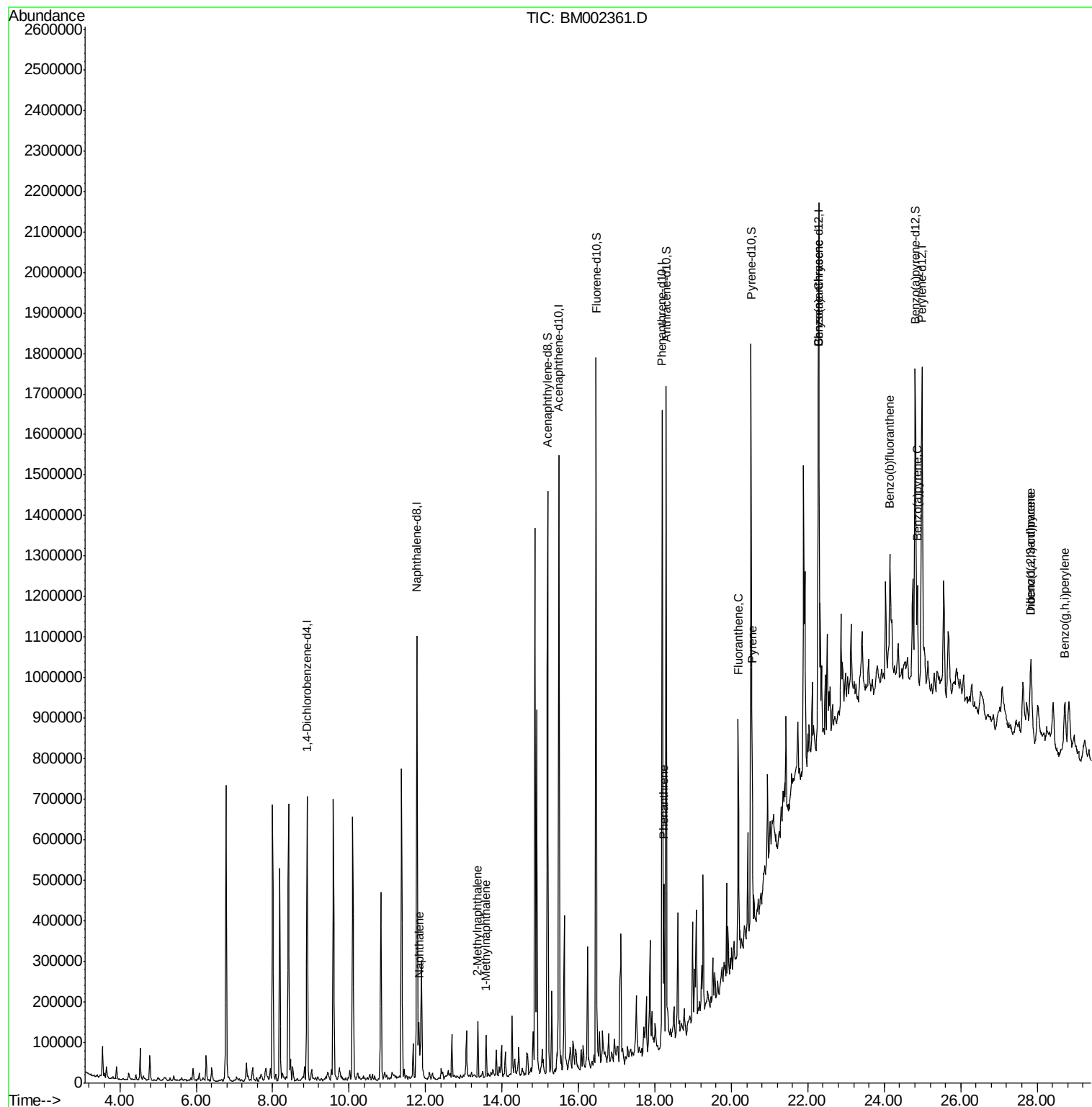
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	11.83	128	120854	2.41	ng/ul	99
4) 2-Methylnaphthalene	13.37	142	69020	1.92	ng/ul	95
5) 1-Methylnaphthalene	13.58	142	45492	1.29	ng/ul	95
13) Phenanthrene	18.24	178	241574	4.51	ng/ul	99
16) Fluoranthene	20.19	202	363480	6.13	ng/ul	98
19) Pyrene	20.54	202	297616	7.11	ng/ul	99
20) Benzo(a)anthracene	22.27	228	173065	4.38	ng/ul	96
21) Chrysene	22.27	228	172343	4.60	ng/ul	95
23) Benzo(b)fluoranthene	24.15	252	295198	7.57	ng/ul#	95
26) Benzo(a)pyrene	24.87	252	179601	4.82	ng/ul#	93
27) Indeno(1,2,3-cd)pyrene	27.84	276	154897	3.62	ng/ul	99
28) Dibenzo(a,h)anthracene	27.84	278	43255	1.19	ng/ul#	64
29) Benzo(g,h,i)perylene	28.73	276	148244	4.11	ng/ul	94

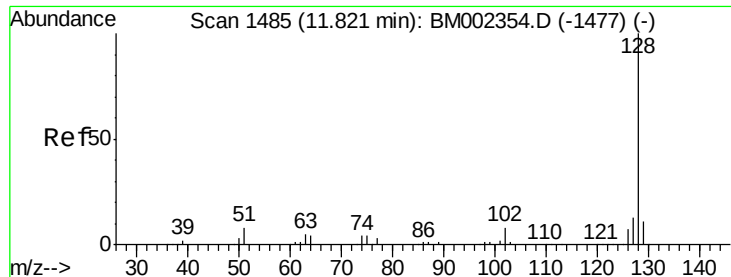
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 2.41 ng/ul

RT: 11.83 min Scan# 1486

Delta R.T. 0.01 min

Lab File: BM002361.D

Acq: 12 Aug 2015 15:11

Instrument :

BNA_M

ClientSampleId :

D9C94

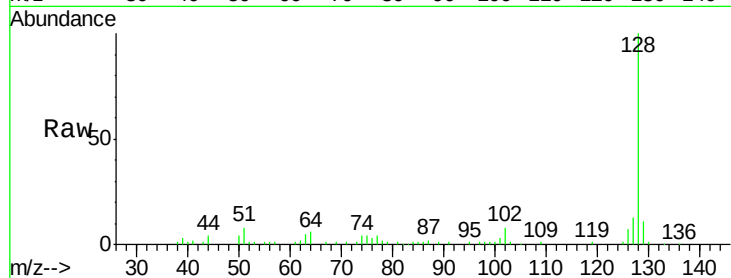
Tgt Ion:128 Resp: 120854

Ion Ratio Lower Upper

128 100

129 11.2 8.6 12.8

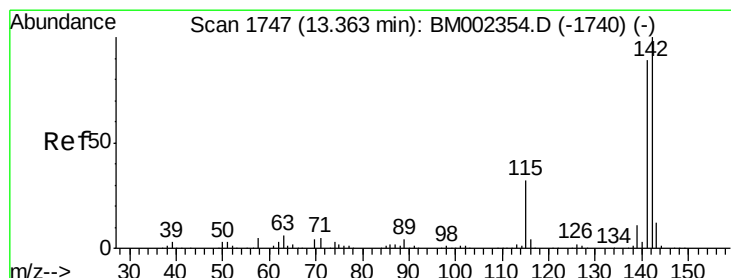
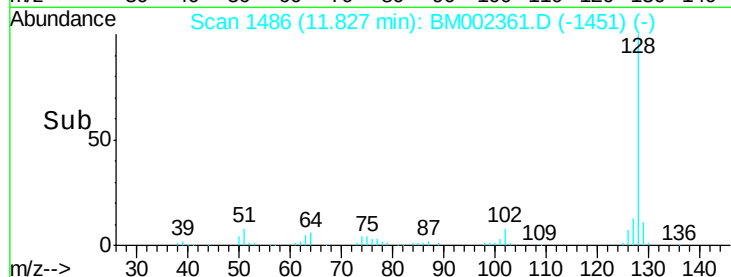
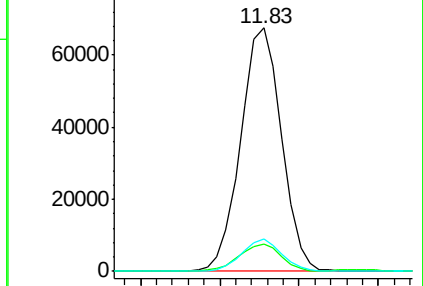
127 13.3 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#4

2-Methylnaphthalene

Concen: 1.92 ng/ul

RT: 13.37 min Scan# 1748

Delta R.T. 0.01 min

Lab File: BM002361.D

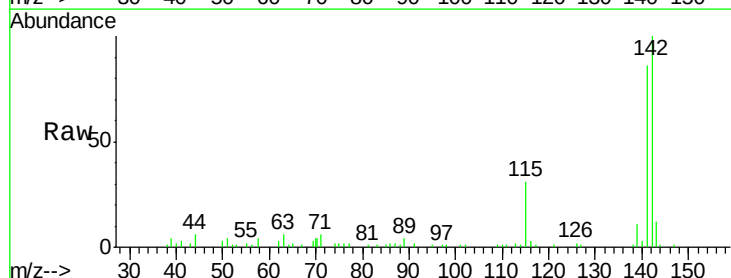
Acq: 12 Aug 2015 15:11

Tgt Ion:142 Resp: 69020

Ion Ratio Lower Upper

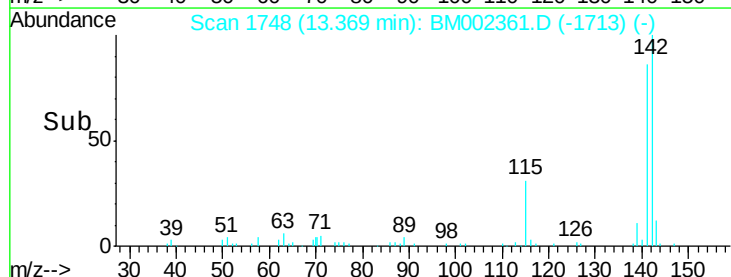
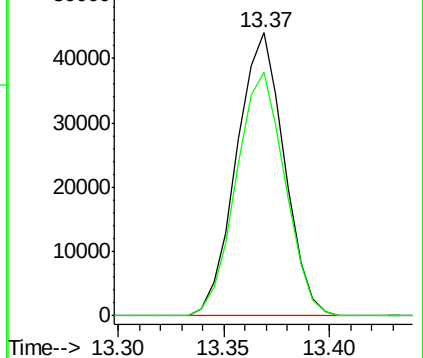
142 100

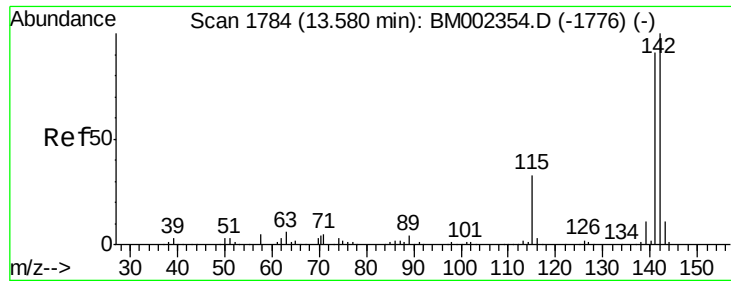
141 86.2 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 1.29 ng/ul

RT: 13.58 min Scan# 1784

Delta R.T. 0.00 min

Lab File: BM002361.D

Acq: 12 Aug 2015 15:11

Instrument :

BNA_M

ClientSampleId :

D9C94

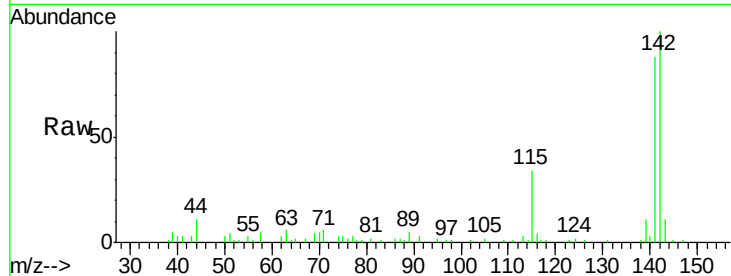
Tgt Ion:142 Resp: 45492

Ion Ratio Lower Upper

142 100

141 88.0 74.5 111.7

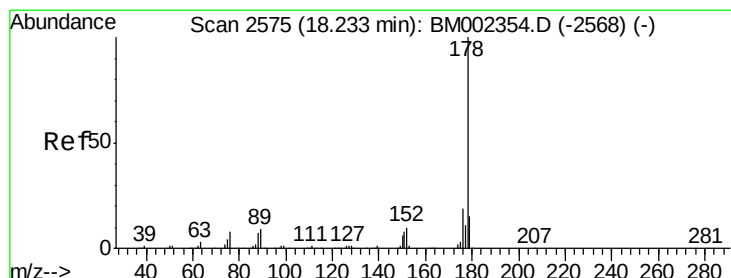
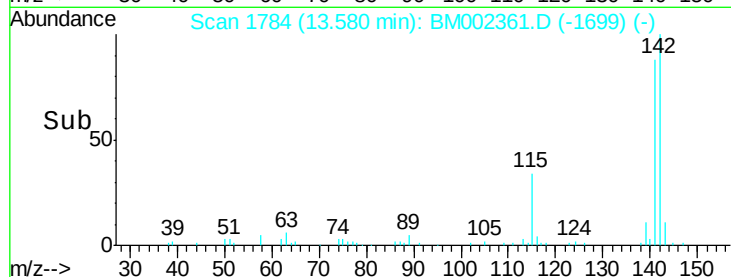
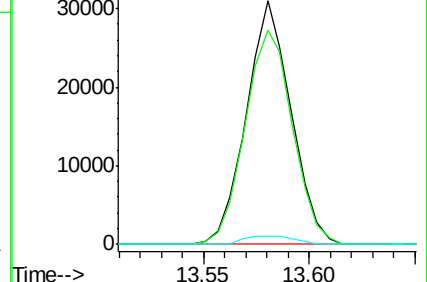
116 3.6 3.0 4.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#13

Phenanthrene

Concen: 4.51 ng/ul

RT: 18.24 min Scan# 2576

Delta R.T. 0.01 min

Lab File: BM002361.D

Acq: 12 Aug 2015 15:11

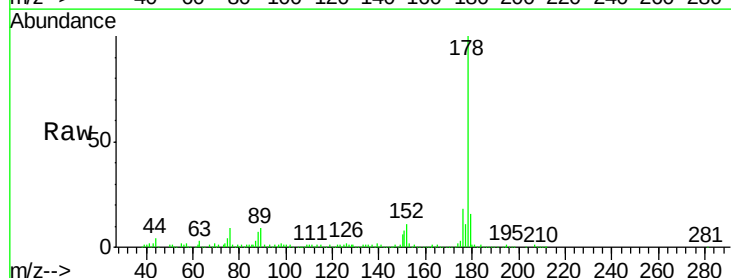
Tgt Ion:178 Resp: 241574

Ion Ratio Lower Upper

178 100

179 15.7 12.3 18.5

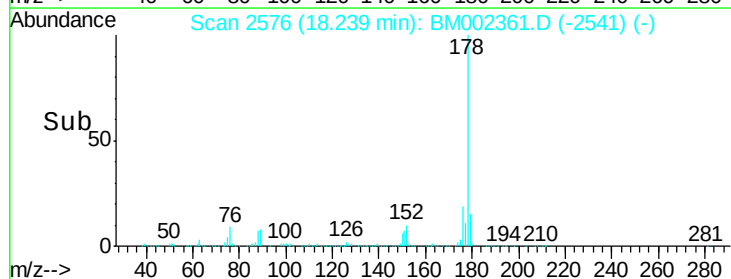
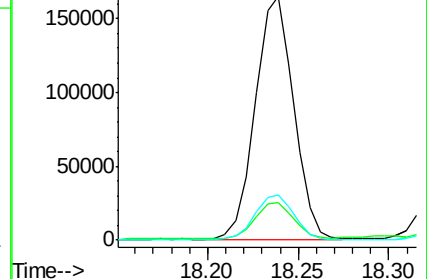
176 18.4 15.3 22.9

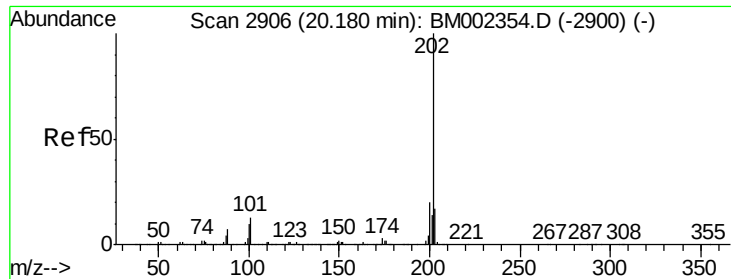


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

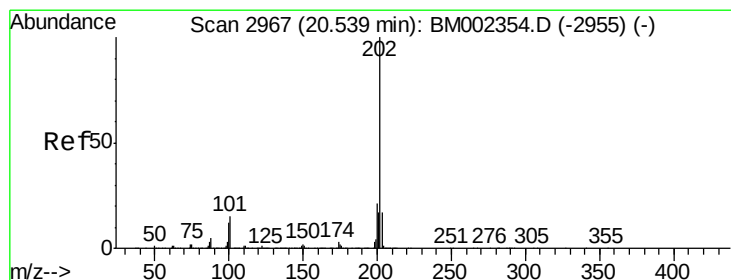
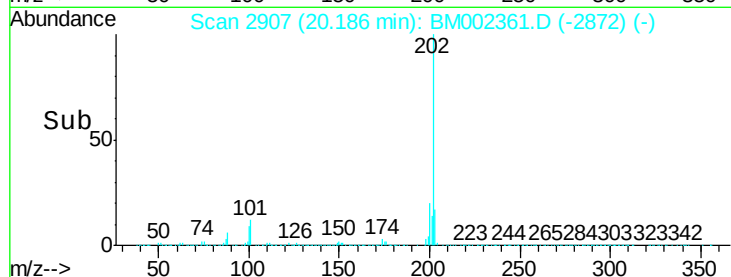
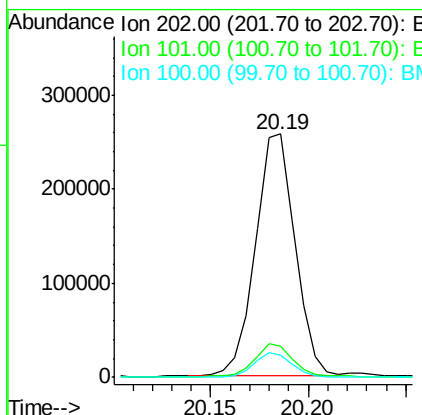
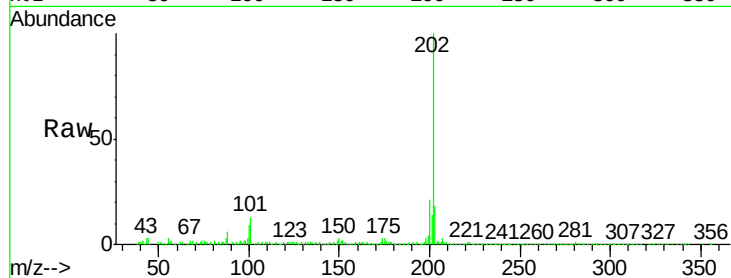




#16
 Fluoranthene
 Concen: 6.13 ng/ul
 RT: 20.19 min Scan# 2907
 Delta R.T. 0.01 min
 Lab File: BM002361.D
 Acq: 12 Aug 2015 15:11

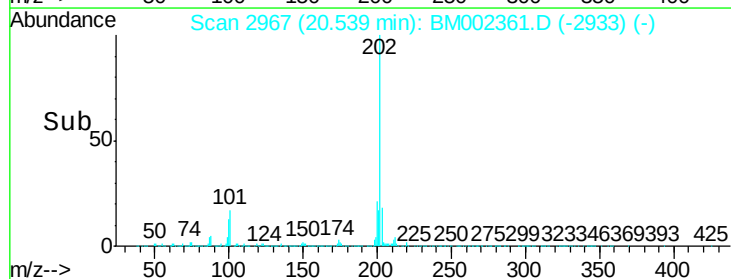
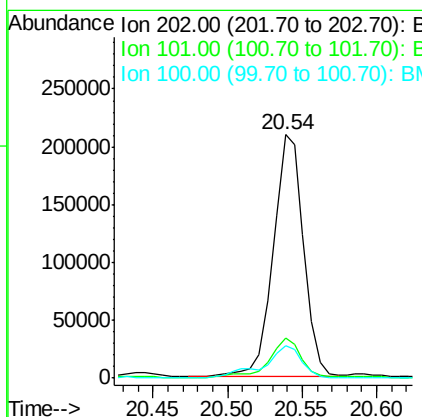
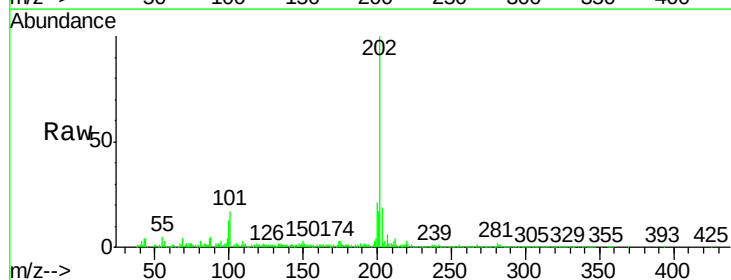
Instrument :
 BNA_M
 ClientSampleId :
 D9C94

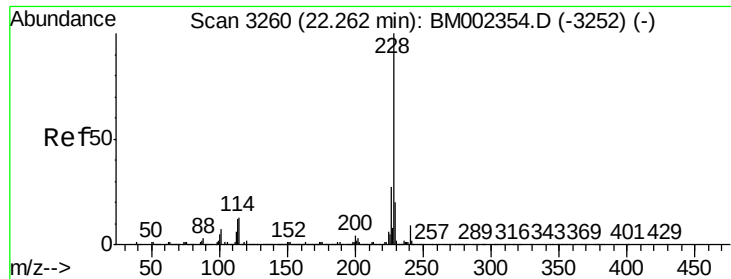
Tgt Ion:	202	Resp:	363480
Ion	Ratio	Lower	Upper
202	100		
101	12.8	10.6	15.8
100	9.3	8.2	12.4



#19
 Pyrene
 Concen: 7.11 ng/ul
 RT: 20.54 min Scan# 2967
 Delta R.T. 0.00 min
 Lab File: BM002361.D
 Acq: 12 Aug 2015 15:11

Tgt Ion:	202	Resp:	297616
Ion	Ratio	Lower	Upper
202	100		
101	16.7	13.0	19.6
100	13.3	11.0	16.4





#20

Benzo(a)anthracene

Concen: 4.38 ng/ul

RT: 22.27 min Scan# 3261

Delta R.T. 0.01 min

Lab File: BM002361.D

Acq: 12 Aug 2015 15:11

Instrument :

BNA_M

ClientSampleId :

D9C94

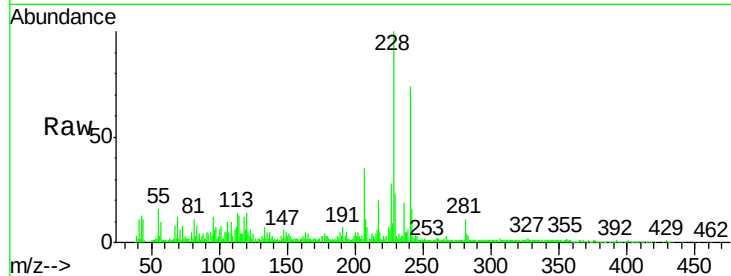
Tgt Ion:228 Resp: 173065

Ion Ratio Lower Upper

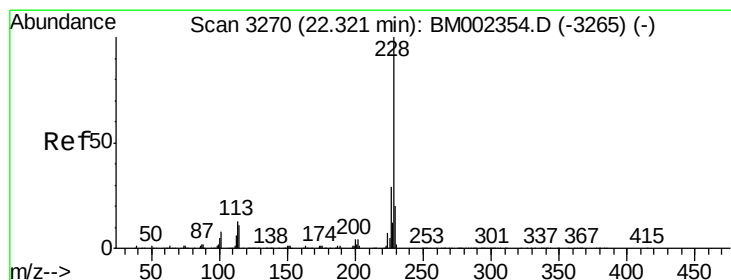
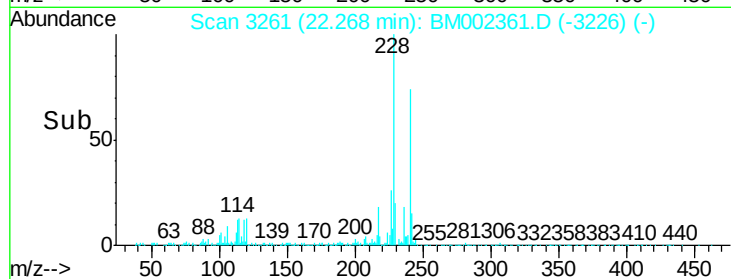
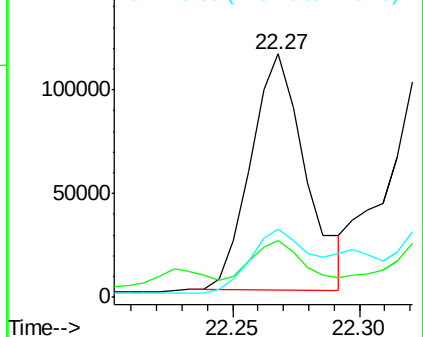
228 100

229 23.0 15.7 23.5

226 27.8 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: 4.60 ng/ul

RT: 22.27 min Scan# 3261

Delta R.T. -0.05 min

Lab File: BM002361.D

Acq: 12 Aug 2015 15:11

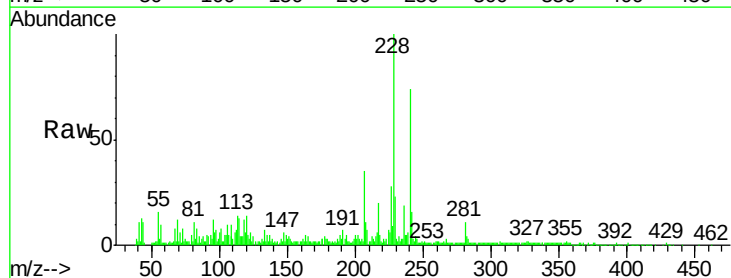
Tgt Ion:228 Resp: 172343

Ion Ratio Lower Upper

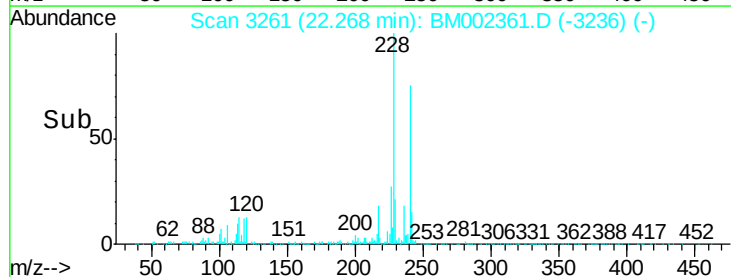
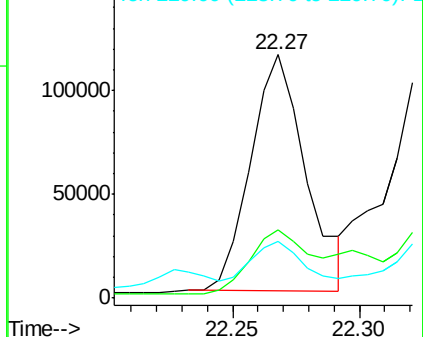
228 100

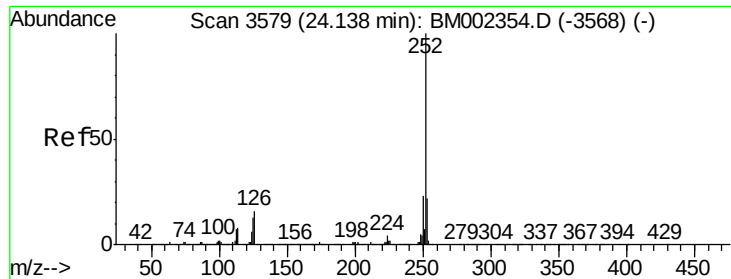
226 27.8 23.4 35.0

229 23.0 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: 7.57 ng/ul

RT: 24.15 min Scan# 3581

Delta R.T. 0.01 min

Lab File: BM002361.D

Acq: 12 Aug 2015 15:11

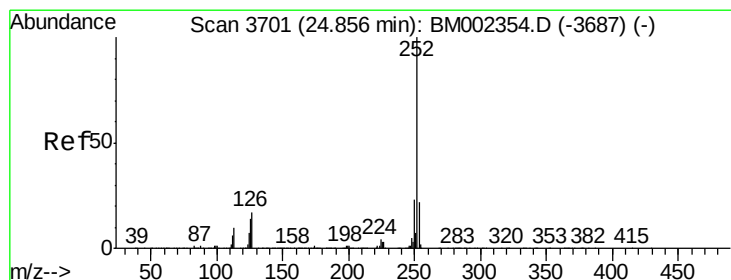
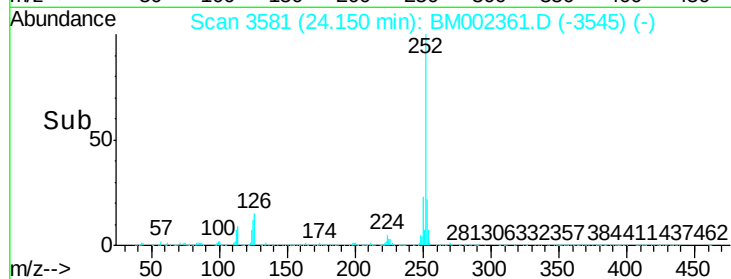
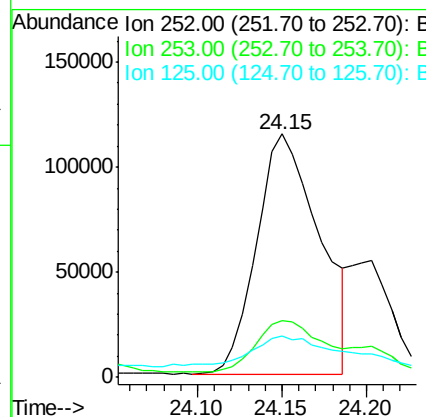
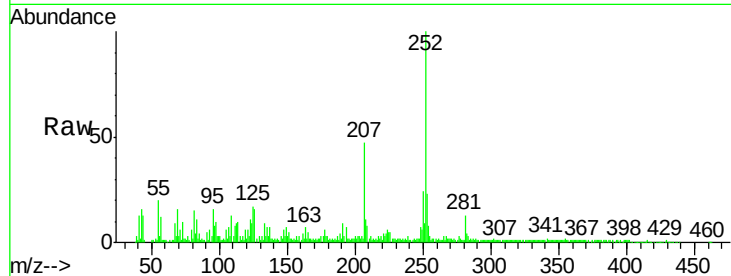
Instrument :

BNA_M

ClientSampleId :

D9C94

Tgt Ion:	252	Resp:	295198
Ion Ratio		Lower	Upper
252	100		
253	23.4	17.9	26.9
125	16.7	10.3	15.5#



#26

Benzo(a)pyrene

Concen: 4.82 ng/ul

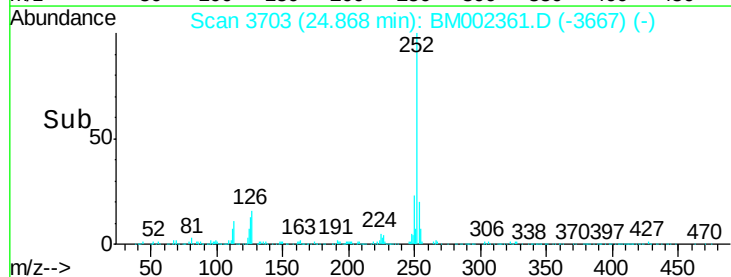
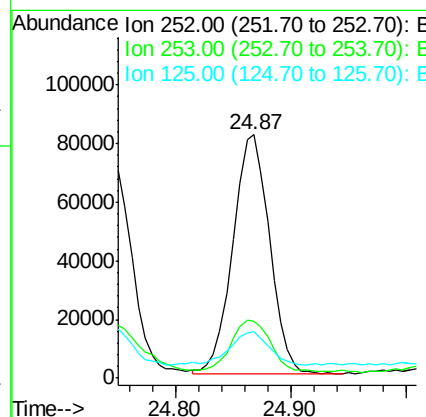
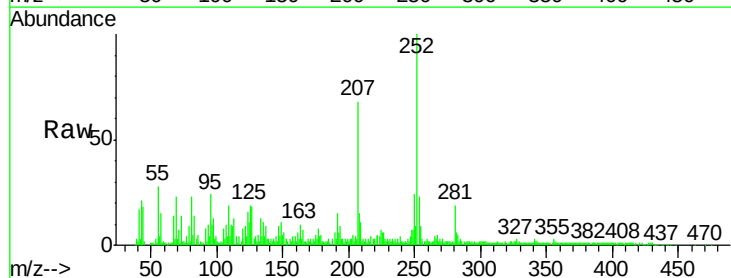
RT: 24.87 min Scan# 3703

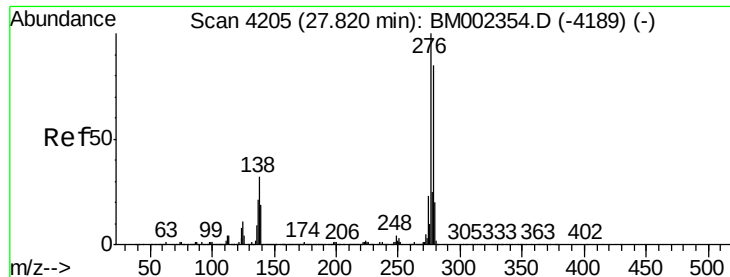
Delta R.T. 0.01 min

Lab File: BM002361.D

Acq: 12 Aug 2015 15:11

Tgt Ion:	252	Resp:	179601
Ion Ratio		Lower	Upper
252	100		
253	23.4	17.3	25.9
125	18.9	11.0	16.6#





#27

Indeno(1,2,3-cd)pyrene

Concen: 3.62 ng/ul

RT: 27.84 min Scan# 4208

Delta R.T. 0.02 min

Lab File: BM002361.D

Acq: 12 Aug 2015 15:11

Instrument :

BNA_M

ClientSampleId :

D9C94

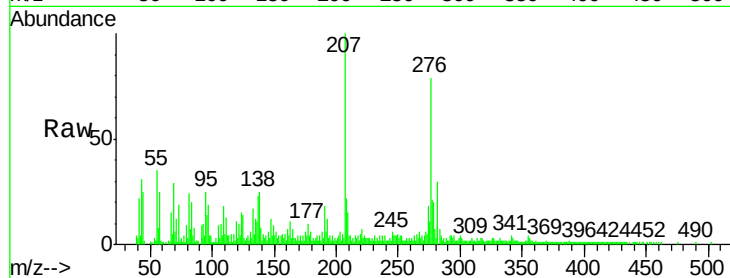
Tgt Ion: 276 Resp: 154897

Ion Ratio Lower Upper

276 100

138 31.1 25.6 38.4

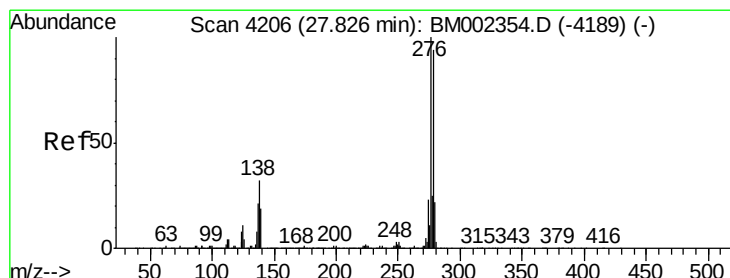
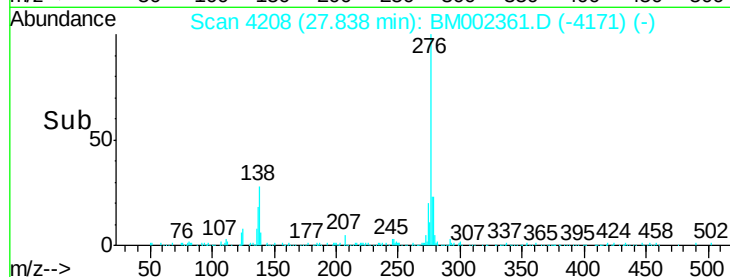
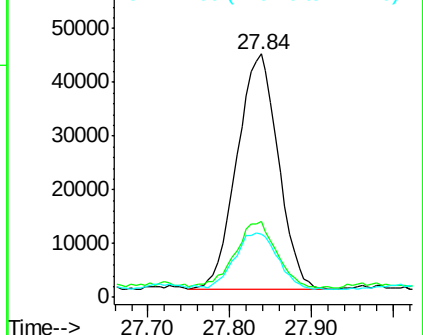
277 26.0 21.0 31.4



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: 1.19 ng/ul

RT: 27.84 min Scan# 4208

Delta R.T. 0.01 min

Lab File: BM002361.D

Acq: 12 Aug 2015 15:11

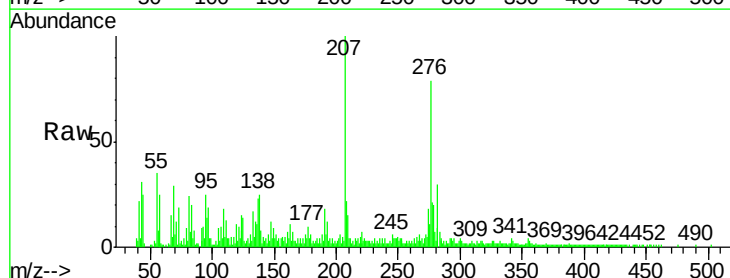
Tgt Ion: 278 Resp: 43255

Ion Ratio Lower Upper

278 100

139 42.6 16.4 24.6#

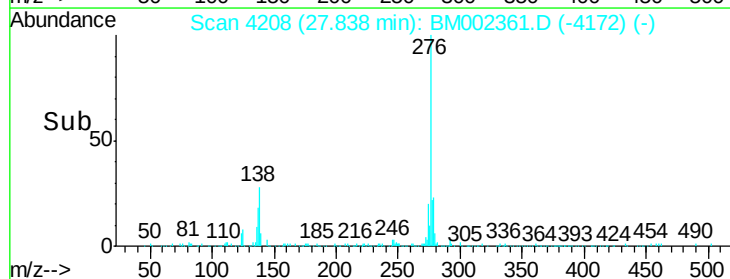
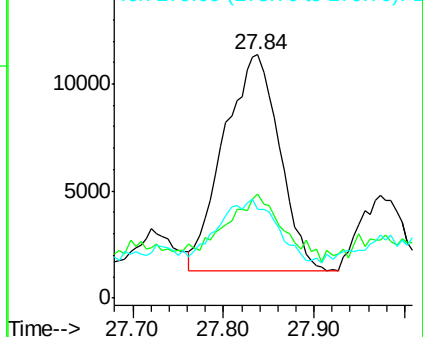
279 36.5 18.8 28.2#

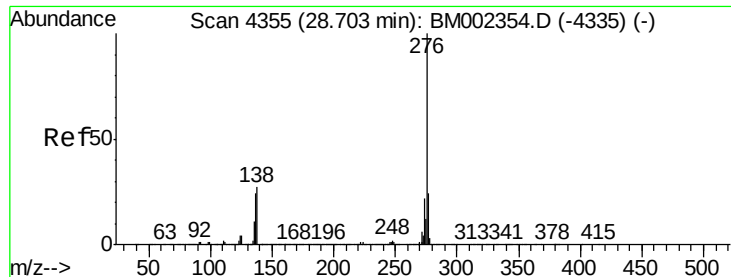


Abundance Ion 278.00 (277.70 to 278.70): E

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: 4.11 ng/ul

RT: 28.73 min Scan# 4359

Delta R.T. 0.02 min

Lab File: BM002361.D

Acq: 12 Aug 2015 15:11

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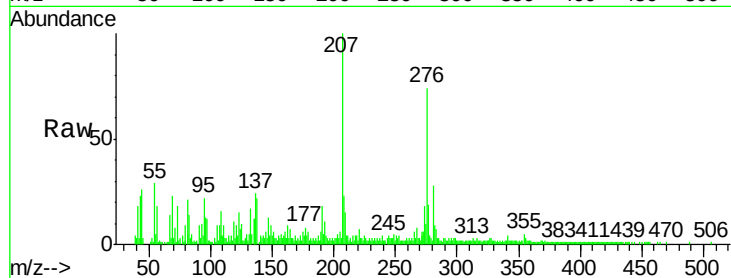
Tgt Ion: 276 Resp: 148244

Ion Ratio Lower Upper

276 100

138 29.1 20.5 30.7

277 26.2 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

