

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082915\
 Data File : BM002570.D
 Acq On : 29 Aug 2015 18:30
 Operator : UM/IZ
 Sample : G3455-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9E71

Quant Time: Aug 31 01:12:34 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 31 01:07:40 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.77	152	136051	20.00	ng/ul	0.00
2) Naphthalene-d8	11.64	136	586855	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.36	164	288076	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.07	188	569870	20.00	ng/ul	0.00
17) Chrysene-d12	22.15	240	581090	20.00	ng/ul	0.00
22) Perylene-d12	24.77	264	594448	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.07	160	397655	13.50	ng/ul	0.00
10) Fluorene-d10	16.34	176	255180	12.34	ng/ul	0.00
14) Anthracene-d10	18.17	188	350397	12.75	ng/ul	0.00
18) Pyrene-d10	20.39	212	272988	10.60	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.60	264	213492	6.84	ng/ul	0.00

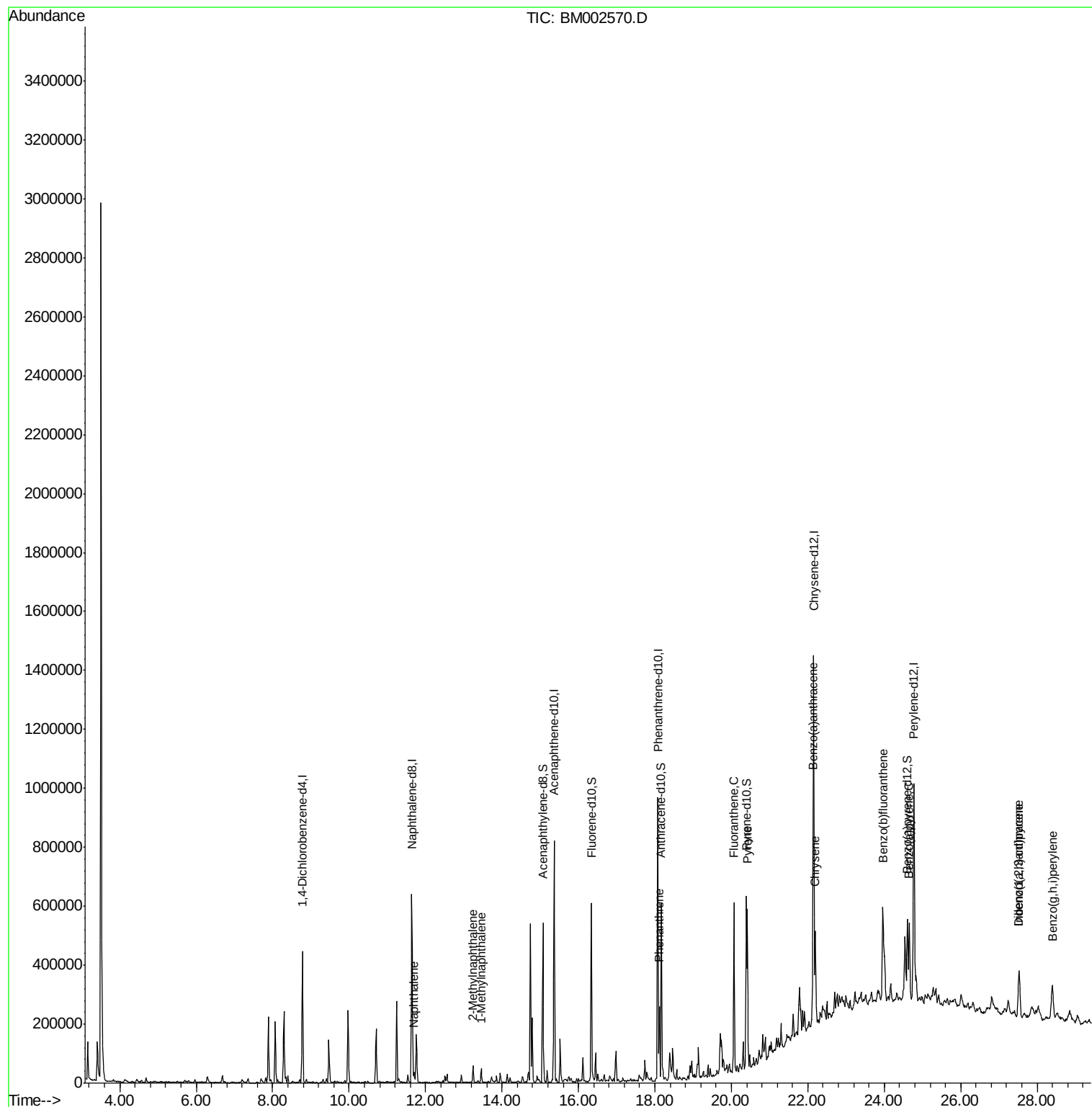
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	11.69	128	33606	1.12	ng/ul	99
4) 2-Methylnaphthalene	13.25	142	31059	1.38	ng/ul	96
5) 1-Methylnaphthalene	13.46	142	24957	1.12	ng/ul	98
13) Phenanthrene	18.12	178	156245	4.75	ng/ul	99
16) Fluoranthene	20.07	202	350980	9.42	ng/ul	98
19) Pyrene	20.42	202	303275	8.91	ng/ul	98
20) Benzo(a)anthracene	22.13	228	185955	5.35	ng/ul	98
21) Chrysene	22.19	228	192148	5.91	ng/ul	98
23) Benzo(b)fluoranthene	23.96	252	299394	8.33	ng/ul	96
26) Benzo(a)pyrene	24.66	252	193844	5.65	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	27.53	276	161993	4.10	ng/ul	95
28) Dibenzo(a,h)anthracene	27.53	278	51041	1.55	ng/ul#	84
29) Benzo(g,h,i)perylene	28.39	276	158322	4.82	ng/ul	94

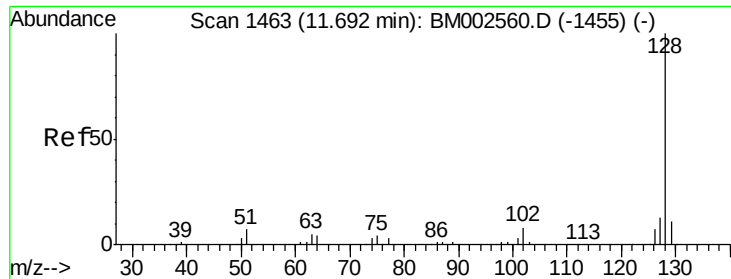
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.12 ng/ul

RT: 11.69 min Scan# 1463

Delta R.T. 0.00 min

Lab File: BM002570.D

Acq: 29 Aug 2015 18:30

Instrument :

BNA_M

ClientSampleId :

D9E71

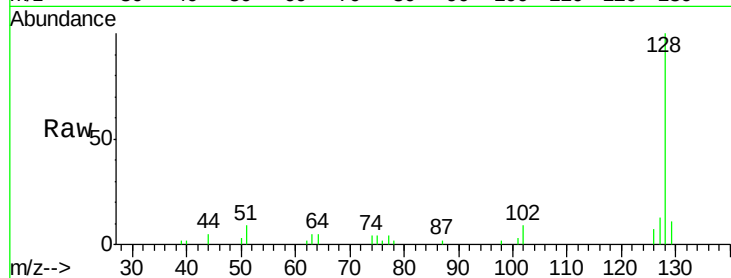
Tgt Ion:128 Resp: 33606

Ion Ratio Lower Upper

128 100

129 11.2 8.6 12.8

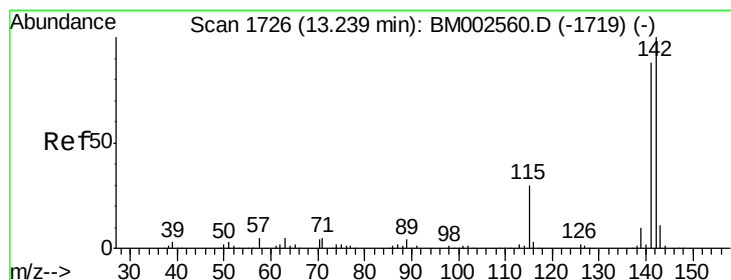
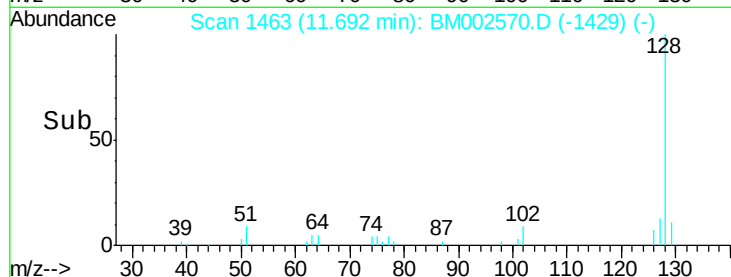
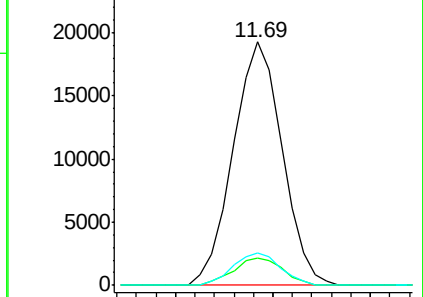
127 13.1 10.4 15.6



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: 1.38 ng/ul

RT: 13.25 min Scan# 1727

Delta R.T. 0.01 min

Lab File: BM002570.D

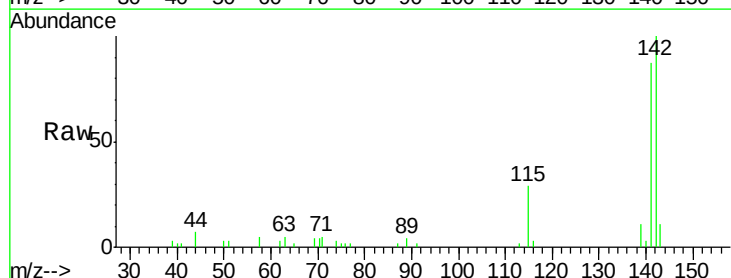
Acq: 29 Aug 2015 18:30

Tgt Ion:142 Resp: 31059

Ion Ratio Lower Upper

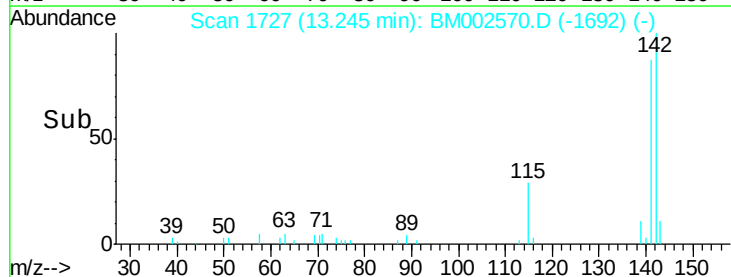
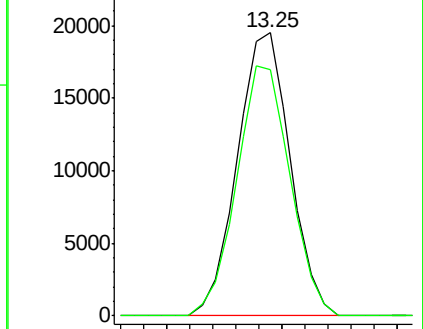
142 100

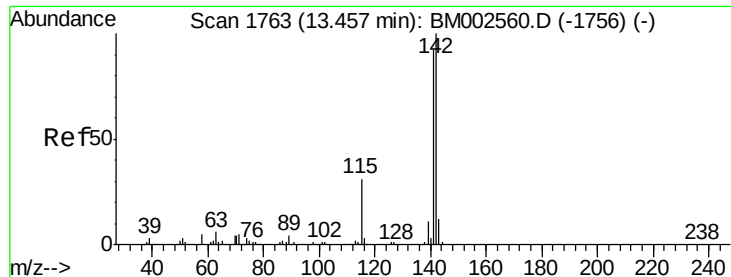
141 86.8 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 1.12 ng/ul

RT: 13.46 min Scan# 1763

Delta R.T. 0.00 min

Lab File: BM002570.D

Acq: 29 Aug 2015 18:30

Instrument :

BNA_M

ClientSampleId :

D9E71

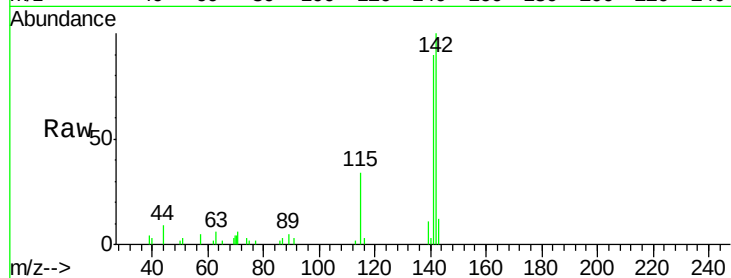
Tgt Ion:142 Resp: 24957

Ion Ratio Lower Upper

142 100

141 90.3 73.9 110.9

116 3.1 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

13.46

15000

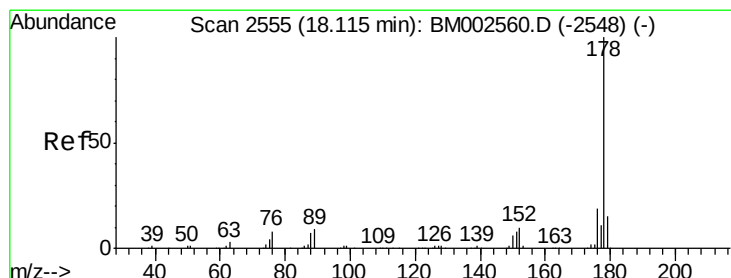
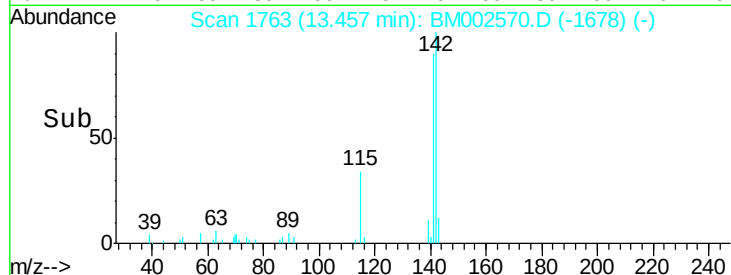
10000

5000

0

Time-->

13.40 13.45 13.50



#13

Phenanthrene

Concen: 4.75 ng/ul

RT: 18.12 min Scan# 2555

Delta R.T. 0.00 min

Lab File: BM002570.D

Acq: 29 Aug 2015 18:30

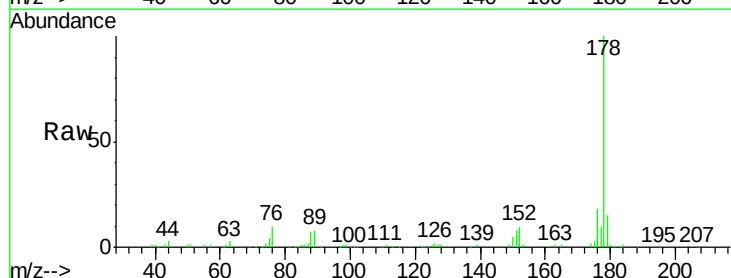
Tgt Ion:178 Resp: 156245

Ion Ratio Lower Upper

178 100

179 14.9 12.4 18.6

176 18.4 15.1 22.7



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

18.12

150000

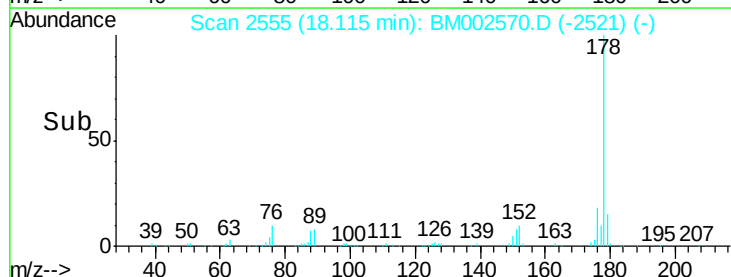
100000

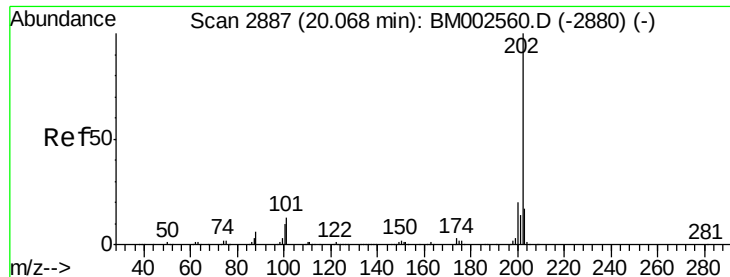
50000

0

Time-->

18.05 18.10 18.15

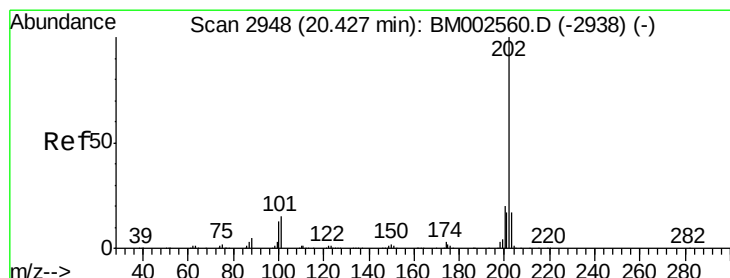
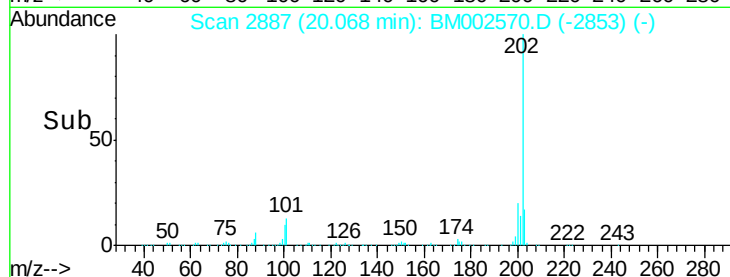
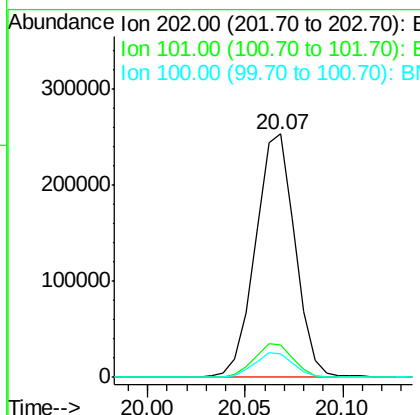
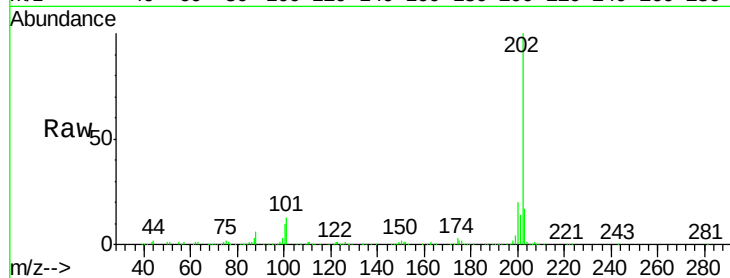




#16
Fluoranthene
 Concen: 9.42 ng/ul
 RT: 20.07 min Scan# 2887
 Delta R.T. 0.00 min
 Lab File: BM002570.D
 Acq: 29 Aug 2015 18:30

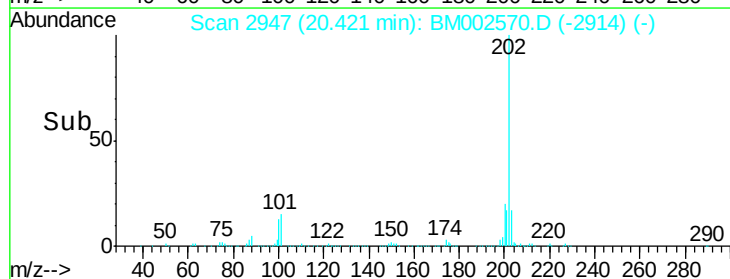
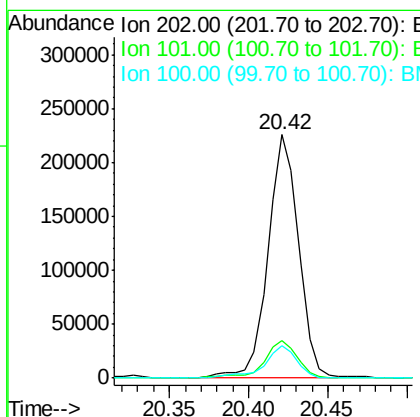
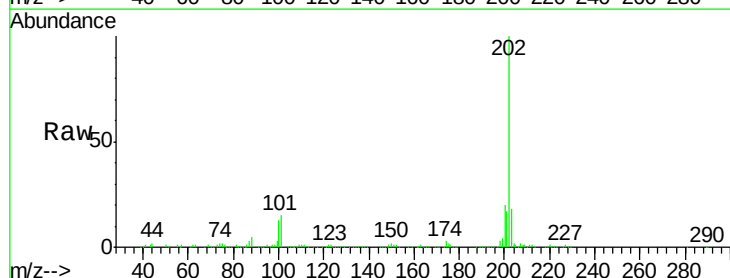
Instrument :
 BNA_M
 ClientSampleId :
 D9E71

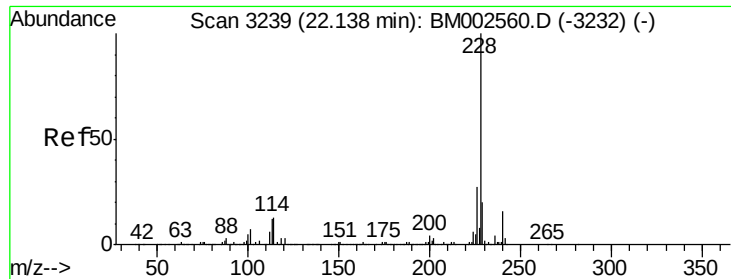
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.1	9.7	14.5
100	9.8	7.4	11.2



#19
Pyrene
 Concen: 8.91 ng/ul
 RT: 20.42 min Scan# 2947
 Delta R.T. -0.01 min
 Lab File: BM002570.D
 Acq: 29 Aug 2015 18:30

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.2	12.0	18.0
100	13.3	9.7	14.5





#20

Benzo(a)anthracene

Concen: 5.35 ng/ul

RT: 22.13 min Scan# 3238

Delta R.T. -0.01 min

Lab File: BM002570.D

Acq: 29 Aug 2015 18:30

Instrument :

BNA_M

ClientSampleId :

D9E71

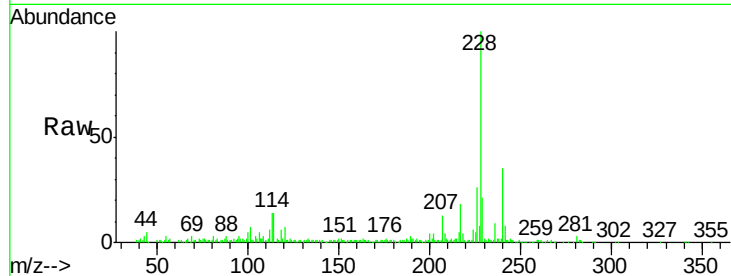
Tgt Ion:228 Resp: 185955

Ion Ratio Lower Upper

228 100

229 21.3 15.8 23.6

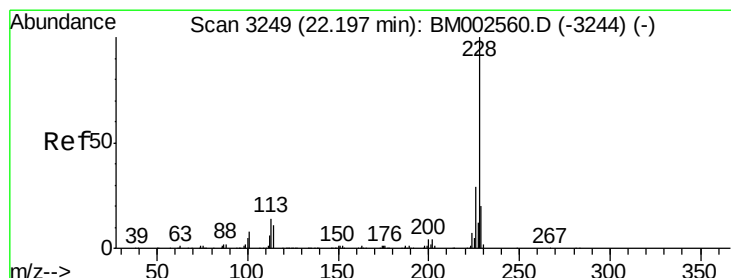
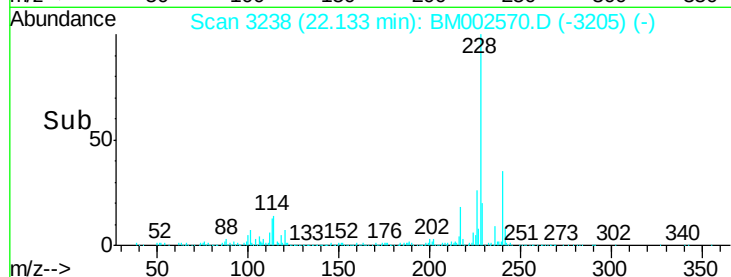
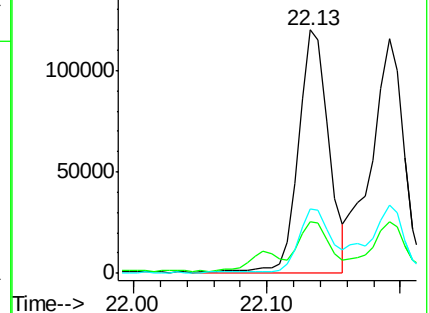
226 26.3 21.1 31.7



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: 5.91 ng/ul

RT: 22.19 min Scan# 3248

Delta R.T. -0.01 min

Lab File: BM002570.D

Acq: 29 Aug 2015 18:30

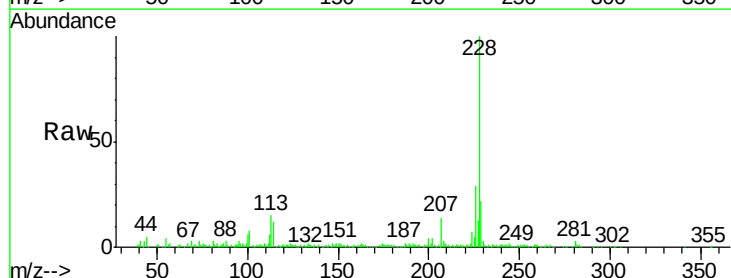
Tgt Ion:228 Resp: 192148

Ion Ratio Lower Upper

228 100

226 29.2 23.4 35.2

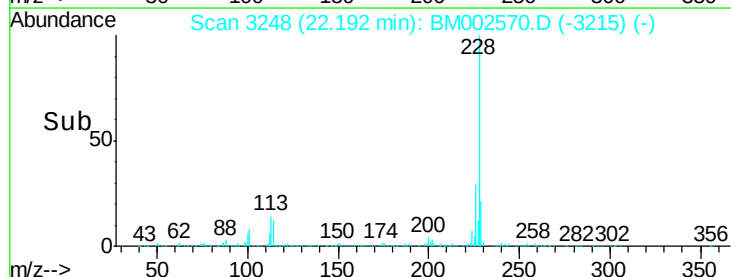
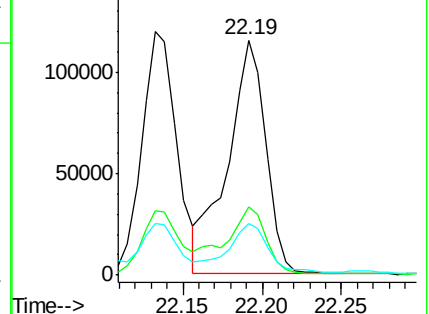
229 22.3 15.7 23.5

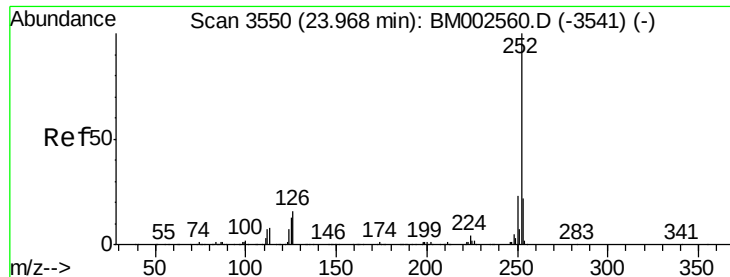


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 8.33 ng/ul

RT: 23.96 min Scan# 3549

Delta R.T. -0.01 min

Lab File: BM002570.D

Acq: 29 Aug 2015 18:30

Instrument :

BNA_M

ClientSampleId :

D9E71

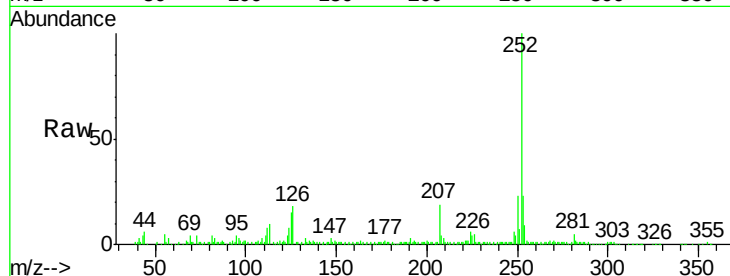
Tgt Ion:252 Resp: 299394

Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.0

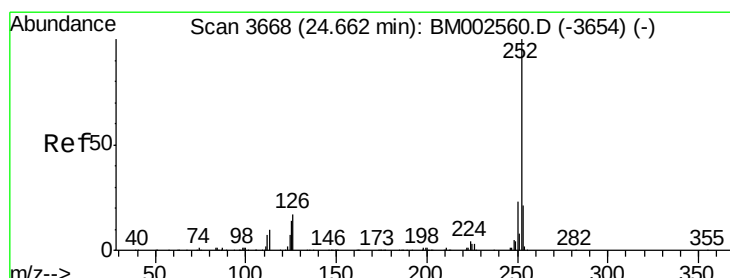
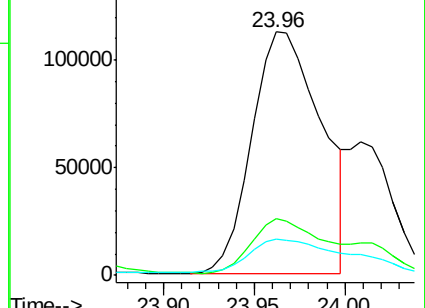
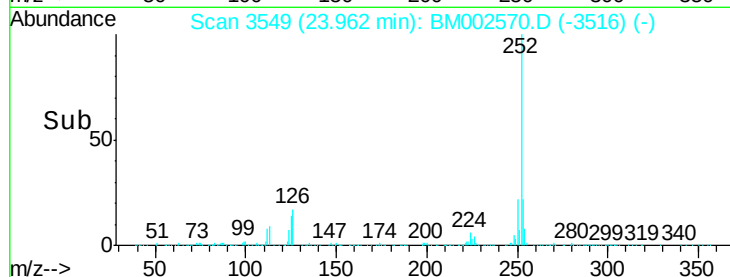
125 14.9 10.0 15.0



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: 5.65 ng/ul

RT: 24.66 min Scan# 3667

Delta R.T. -0.01 min

Lab File: BM002570.D

Acq: 29 Aug 2015 18:30

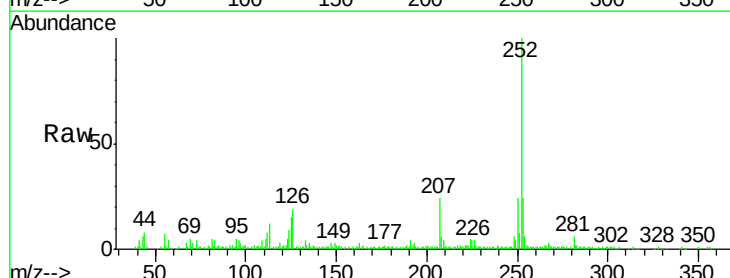
Tgt Ion:252 Resp: 193844

Ion Ratio Lower Upper

252 100

253 23.7 17.6 26.4

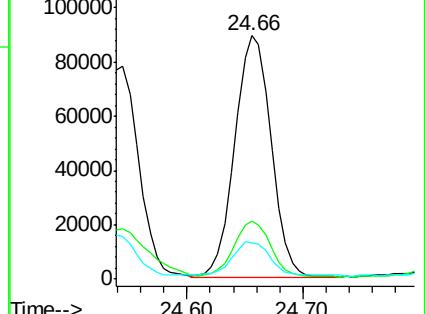
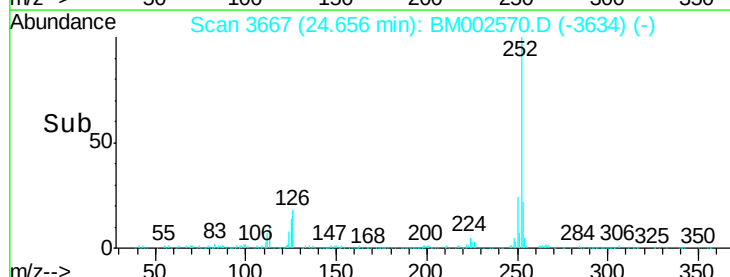
125 15.1 10.7 16.1

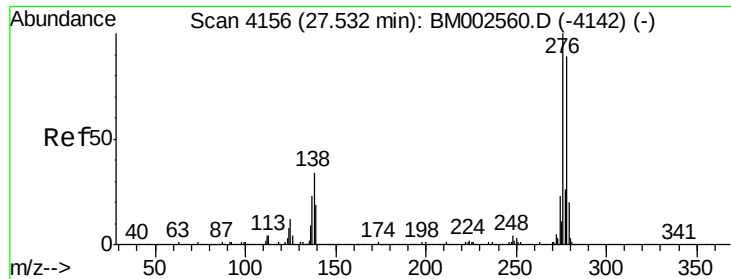


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

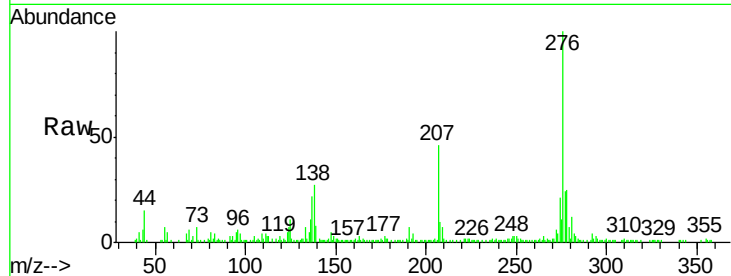




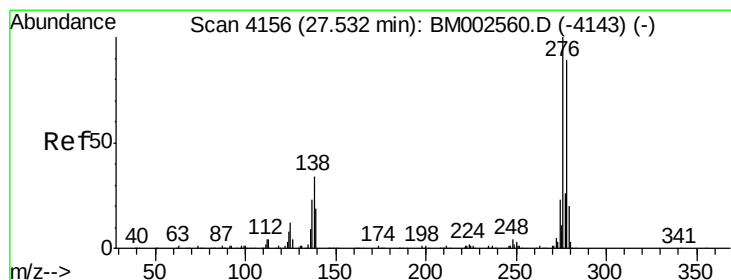
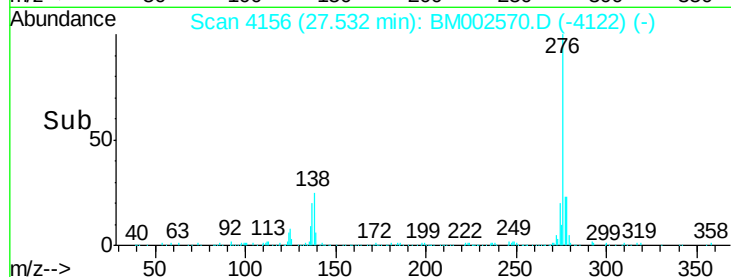
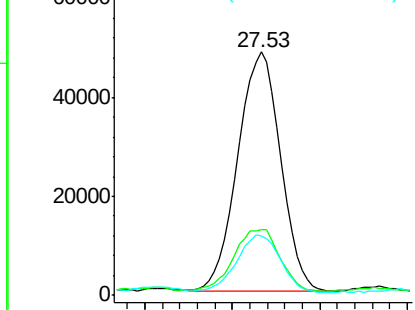
#27
 Indeno(1,2,3-cd)pyrene
 Concen: 4.10 ng/ul
 RT: 27.53 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: BM002570.D
 Acq: 29 Aug 2015 18:30

Instrument :
 BNA_M
 ClientSampleId :
 D9E71

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.9	25.3	37.9
277	24.4	20.2	30.2

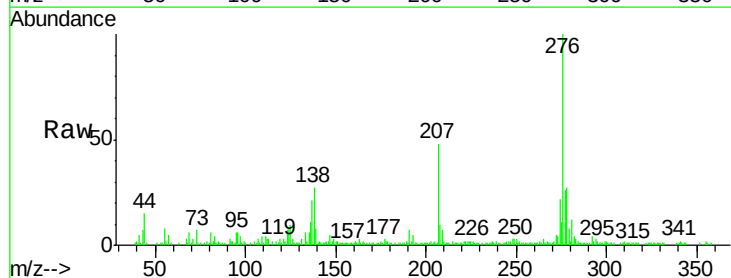


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

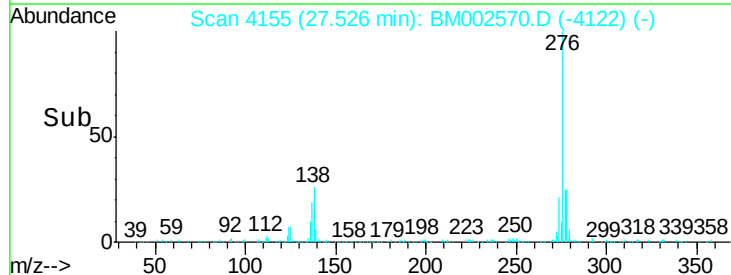
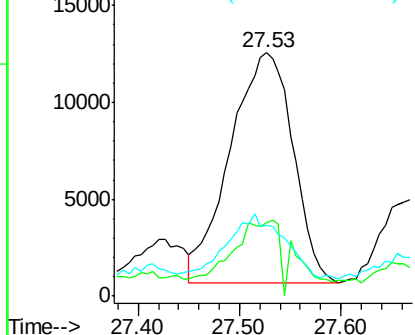


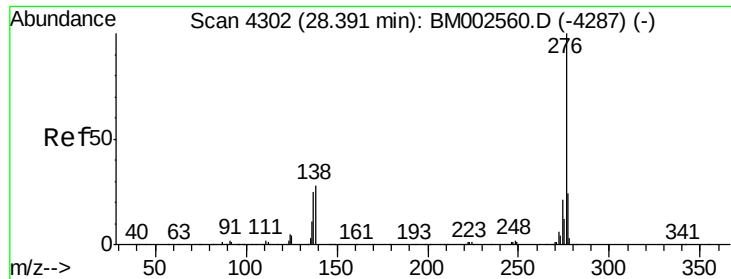
#28
 Dibenzo(a,h)anthracene
 Concen: 1.55 ng/ul
 RT: 27.53 min Scan# 4155
 Delta R.T. -0.01 min
 Lab File: BM002570.D
 Acq: 29 Aug 2015 18:30

Tgt Ion	Ratio	Lower	Upper
278	100		
139	30.2	16.5	24.7#
279	29.0	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: 4.82 ng/ul

RT: 28.39 min Scan# 4302

Delta R.T. 0.00 min

Lab File: BM002570.D

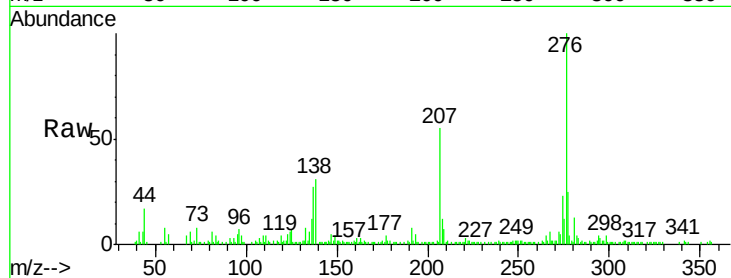
Acq: 29 Aug 2015 18:30

Instrument :

BNA_M

ClientSampleId :

D9E71



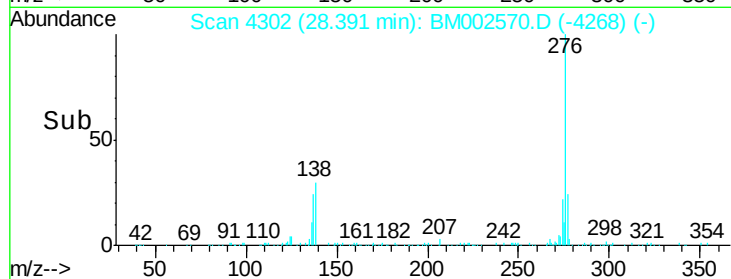
Tgt Ion: 276 Resp: 158322

Ion Ratio Lower Upper

276 100

138 31.2 21.0 31.6

277 24.9 19.2 28.8



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

