

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081715\
 Data File : BM002450.D
 Acq On : 17 Aug 2015 14:20
 Operator : UM/IZ
 Sample : G3227-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 18 02:01:06 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 18 01:54:16 2015
 Response via : Initial Calibration

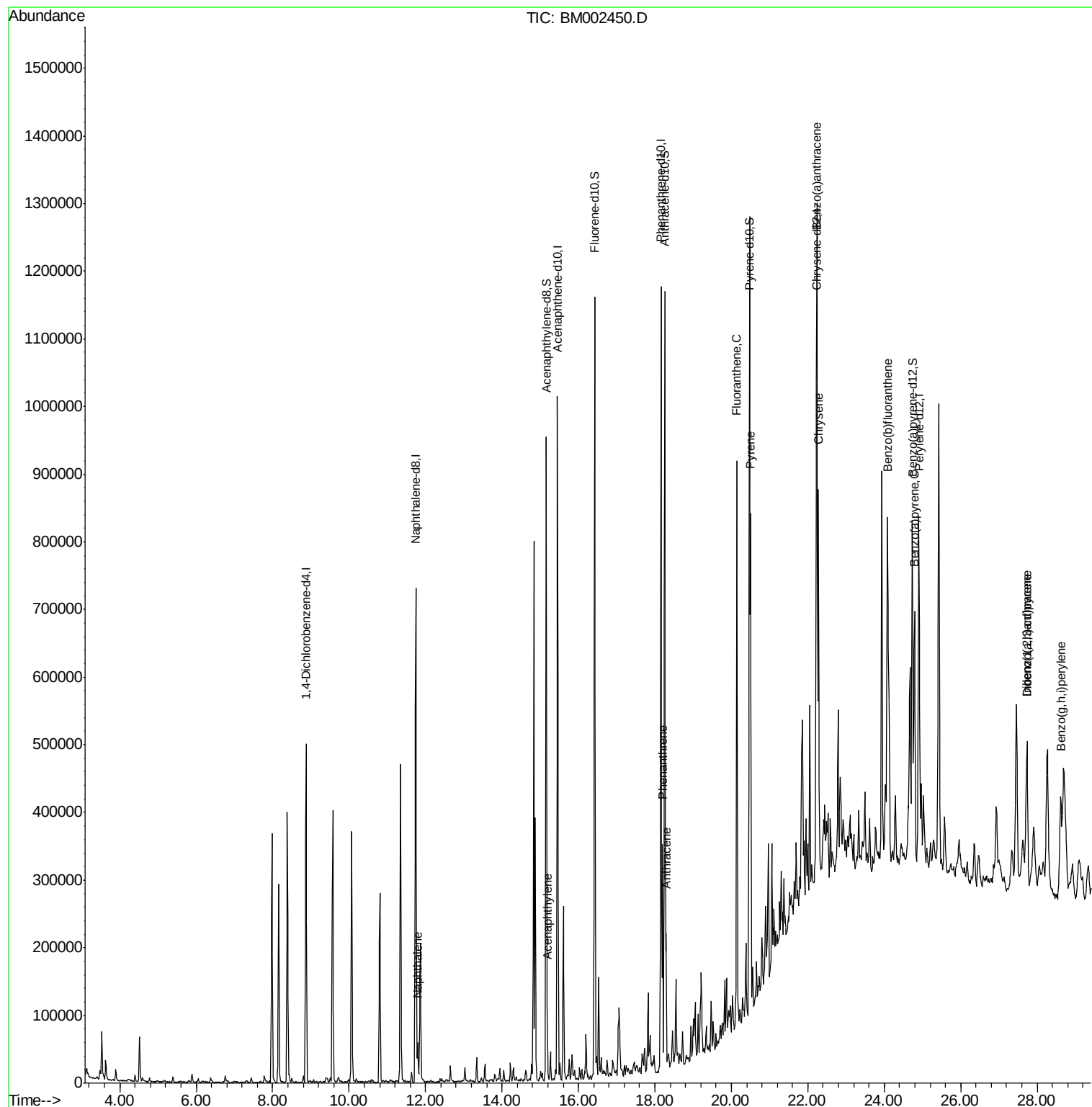
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	155085	20.00	ng/ul	0.00
2) Naphthalene-d8	11.75	136	682049	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.45	164	347891	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.16	188	676431	20.00	ng/ul	0.00
17) Chrysene-d12	22.24	240	456229	20.00	ng/ul	0.00
22) Perylene-d12	24.91	264	425399	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	15.16	160	707204	19.88	ng/ul	0.00
10) Fluorene-d10	16.42	176	470670	18.84	ng/ul	0.00
14) Anthracene-d10	18.26	188	652020	19.98	ng/ul	0.00
18) Pyrene-d10	20.47	212	549335	27.16	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.73	264	423879	18.97	ng/ul	0.00
Target Compounds						
3) Naphthalene	11.79	128	52731	1.51	ng/ul	Ovalue 99
8) Acenaphthylene	15.19	152	44653	1.20	ng/ul	98
13) Phenanthrene	18.20	178	208101	5.33	ng/ul	100
15) Anthracene	18.29	178	117661	2.97	ng/ul	99
16) Fluoranthene	20.14	202	497330	11.25	ng/ul	99
19) Pyrene	20.50	202	426648	15.96	ng/ul	99
20) Benzo(a)anthracene	22.22	228	295281	10.82	ng/ul	98
21) Chrysene	22.28	228	371883	14.57	ng/ul	98
23) Benzo(b)fluoranthene	24.09	252	484744	18.85	ng/ul	98
26) Benzo(a)pyrene	24.79	252	294744	12.00	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	27.73	276	223422	7.91	ng/ul	93
28) Dibenzo(a,h)anthracene	27.72	278	63055	2.67	ng/ul#	85
29) Benzo(a,h,i)perylene	28.61	276	194070	8.25	ng/ul	99

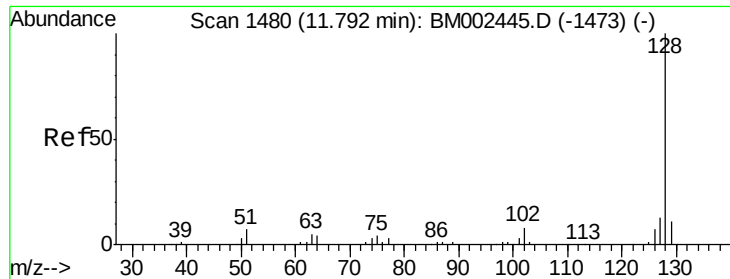
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 18 01:54:16 2015
Response via : Initial Calibration





#3

Naphthalene

Concen: 1.51 ng/ul

RT: 11.79 min Scan# 1480

Delta R.T. 0.00 min

Lab File: BM002450.D

Acq: 17 Aug 2015 14:20

Instrument :

BNA_M

ClientSampleId :

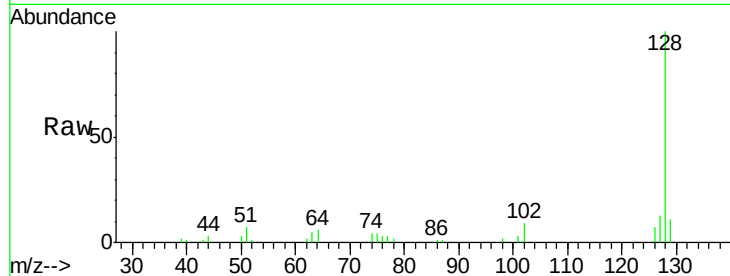
Tot Ion:128 Resp: 52731

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

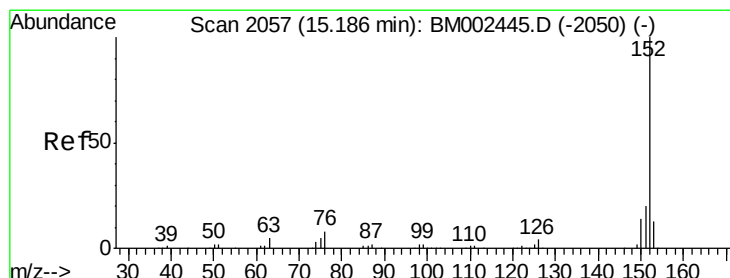
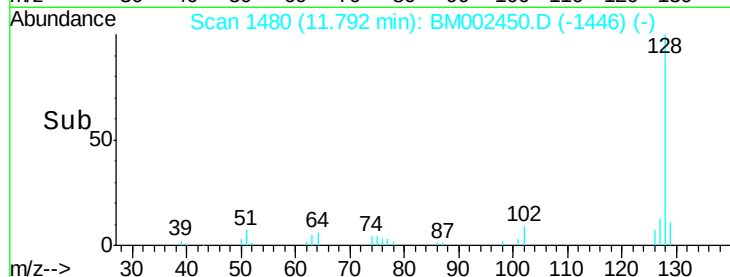
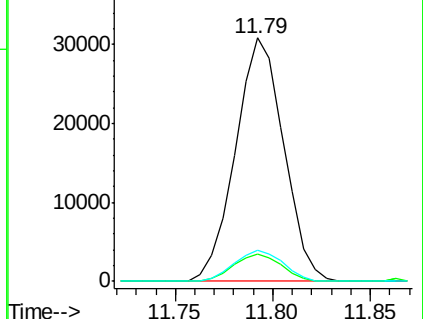
127 12.7 10.4 15.6



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



#8

Acenaphthylene

Concen: 1.20 ng/ul

RT: 15.19 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BM002450.D

Acq: 17 Aug 2015 14:20

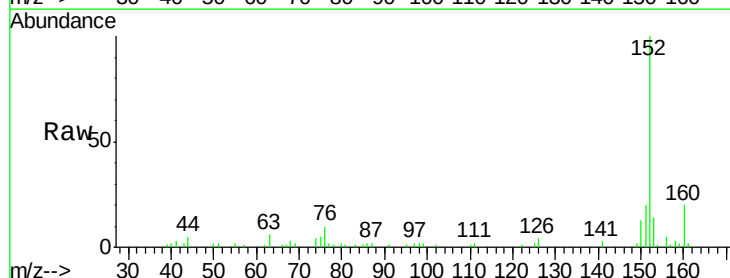
Tgt Ion:152 Resp: 44653

Ion Ratio Lower Upper

152 100

151 20.4 15.7 23.5

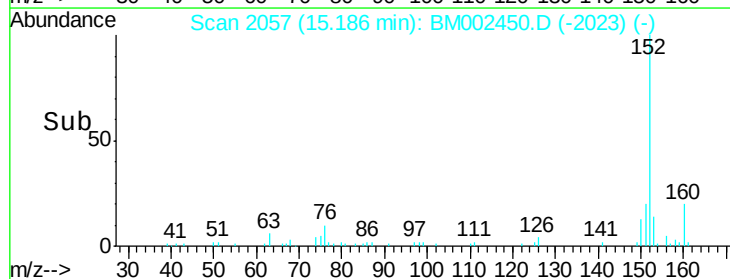
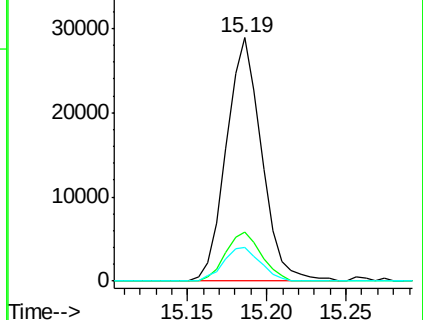
153 13.8 10.2 15.4

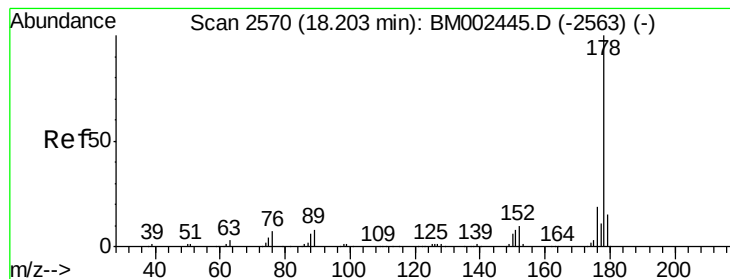


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#13

Phenanthrene

Concen: 5.33 ng/ul

RT: 18.20 min Scan# 2569

Delta R.T. -0.01 min

Lab File: BM002450.D

Acq: 17 Aug 2015 14:20

Instrument :

BNA_M

ClientSampleId :

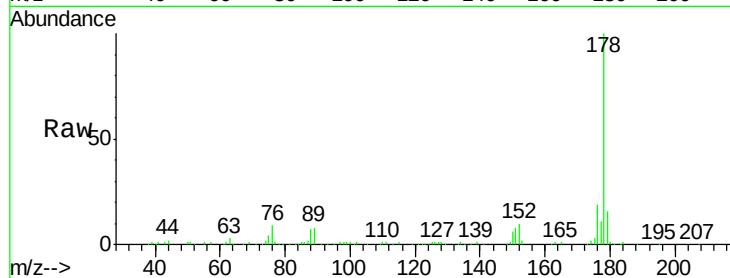
Tot Ion:178 Resp: 208101

Ion Ratio Lower Upper

178 100

179 15.5 12.4 18.6

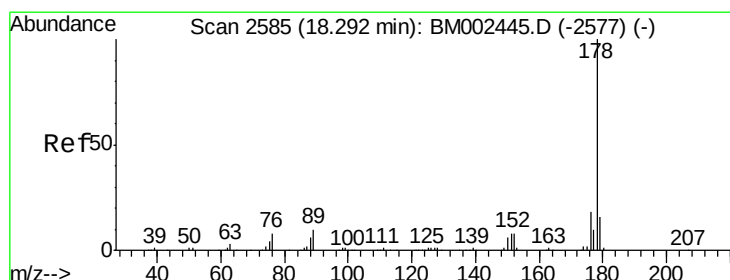
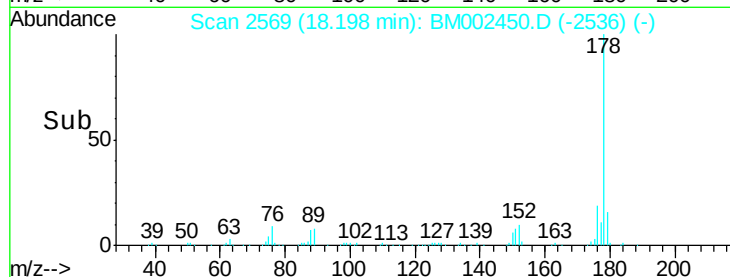
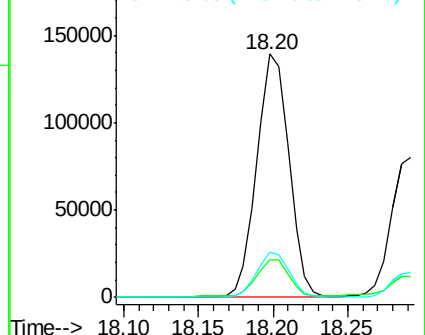
176 18.6 15.1 22.7



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



#15

Anthracene

Concen: 2.97 ng/ul

RT: 18.29 min Scan# 2585

Delta R.T. 0.00 min

Lab File: BM002450.D

Acq: 17 Aug 2015 14:20

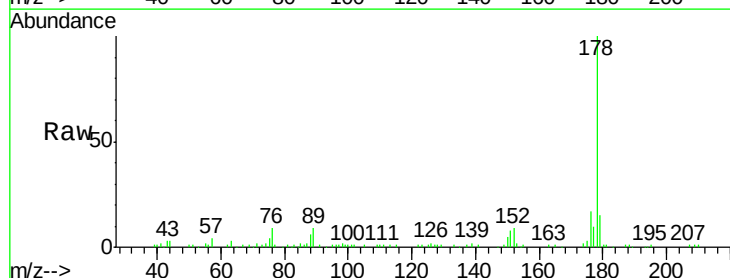
Tgt Ion:178 Resp: 117661

Ion Ratio Lower Upper

178 100

179 15.2 12.6 18.8

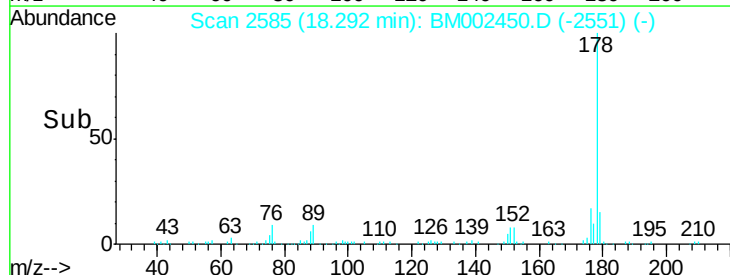
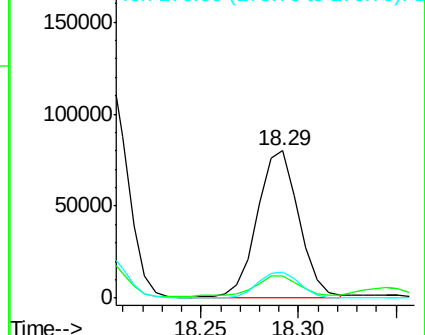
176 17.4 14.5 21.7

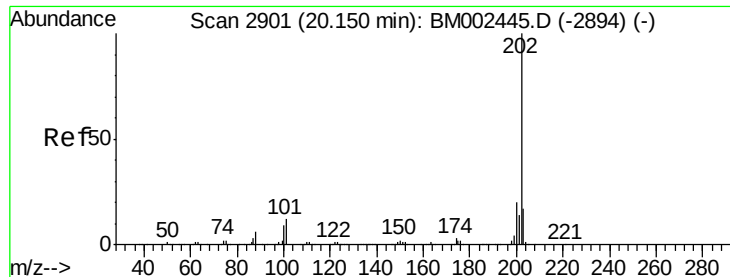


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

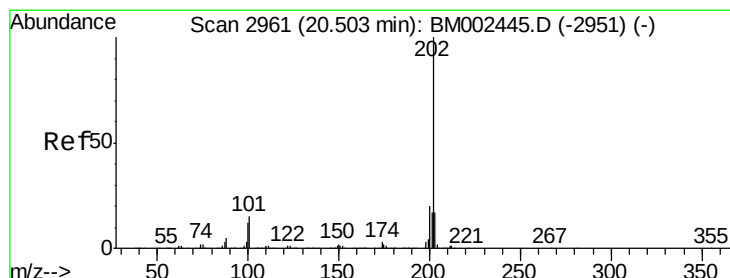
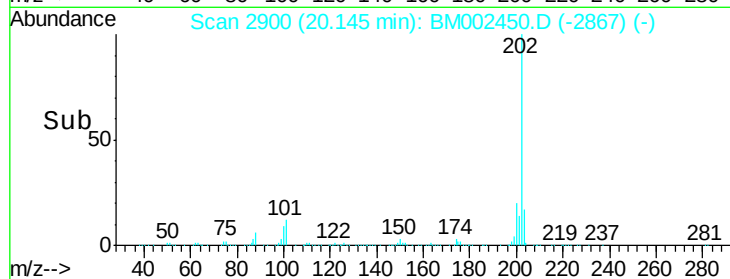
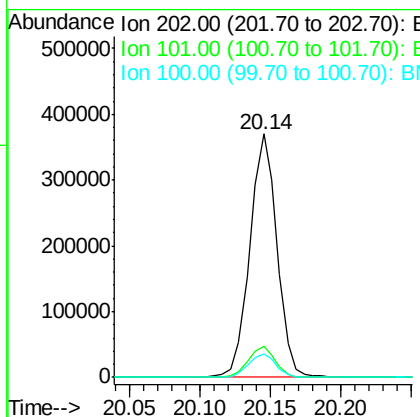
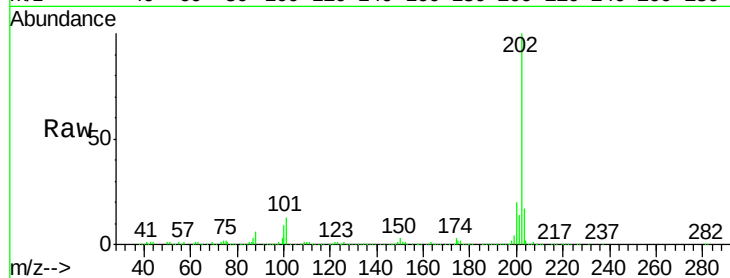




#16
Fluoranthene
Concen: 11.25 ng/ul
RT: 20.14 min Scan# 2900
Delta R.T. -0.01 min
Lab File: BM002450.D
Acq: 17 Aug 2015 14:20

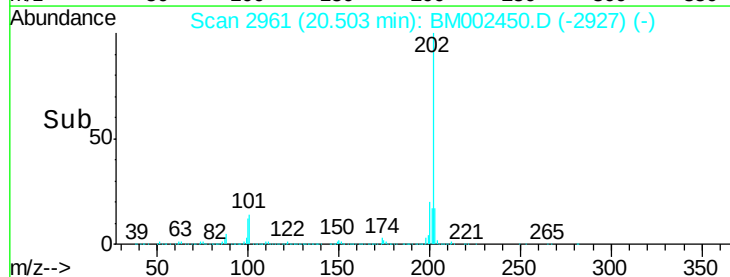
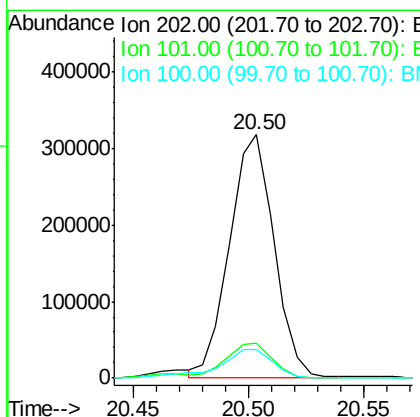
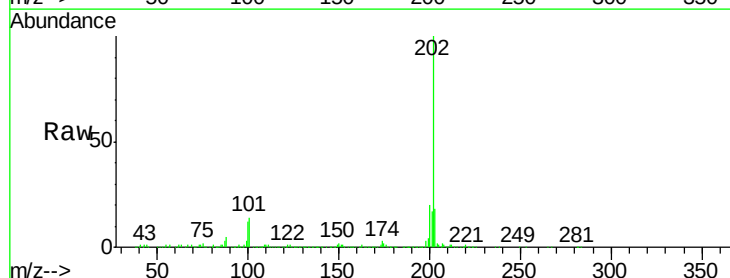
Instrument :
BNA_M
ClientSampled :

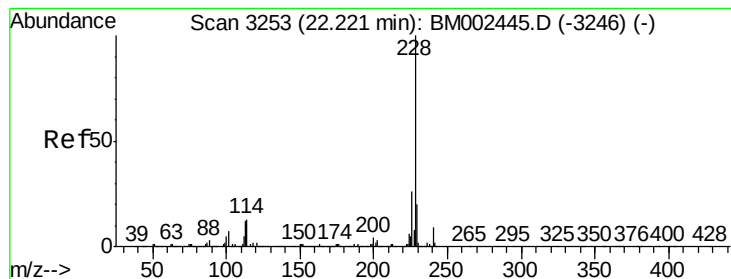
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.5	9.7	14.5
100	9.5	7.4	11.2



#19
Pyrene
Concen: 15.96 ng/ul
RT: 20.50 min Scan# 2961
Delta R.T. 0.00 min
Lab File: BM002450.D
Acq: 17 Aug 2015 14:20

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.3	12.0	18.0
100	11.8	9.7	14.5





#20

Benzo(a)anthracene

Concen: 10.82 ng/ul

RT: 22.22 min Scan# 3253

Delta R.T. 0.00 min

Lab File: BM002450.D

Acq: 17 Aug 2015 14:20

Instrument :

BNA_M

ClientSampleId :

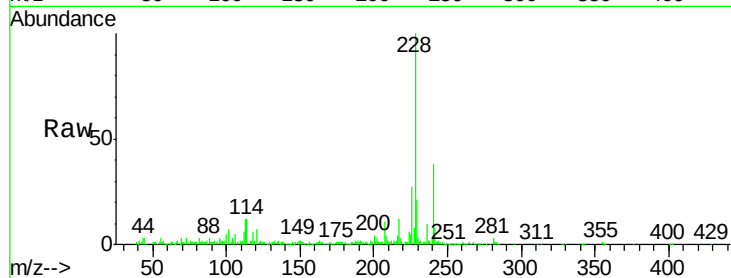
Tot Ion:228 Resp: 295281

Ion Ratio Lower Upper

228 100

229 21.0 15.8 23.6

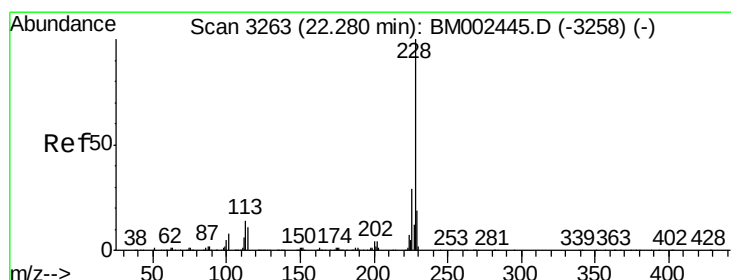
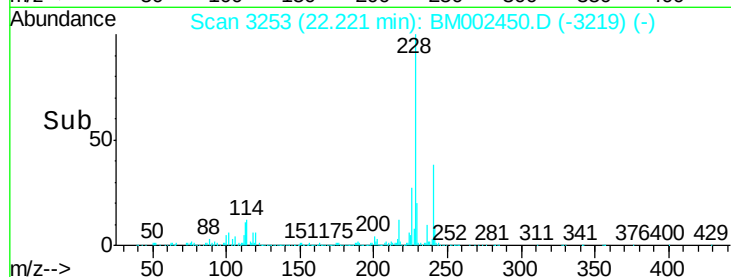
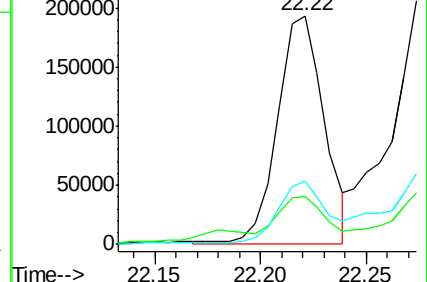
226 27.5 21.1 31.7



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: 14.57 ng/ul

RT: 22.28 min Scan# 3263

Delta R.T. 0.00 min

Lab File: BM002450.D

Acq: 17 Aug 2015 14:20

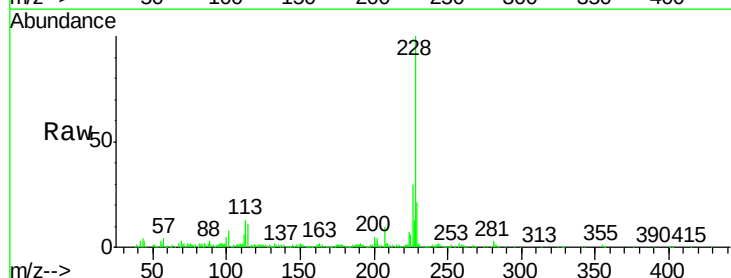
Tgt Ion:228 Resp: 371883

Ion Ratio Lower Upper

228 100

226 29.6 23.4 35.2

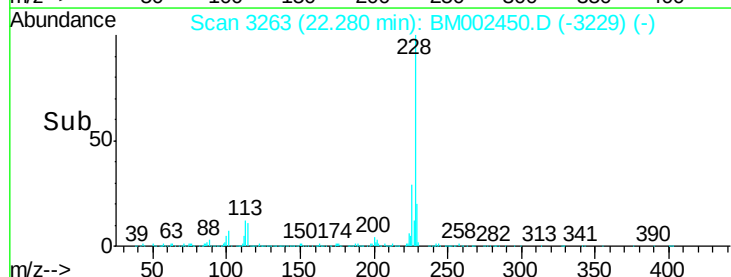
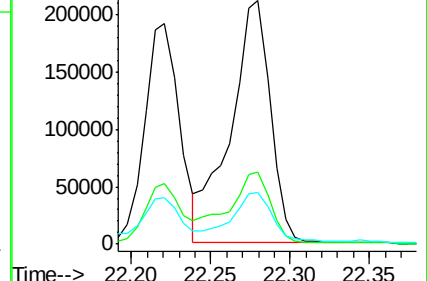
229 21.3 15.7 23.5

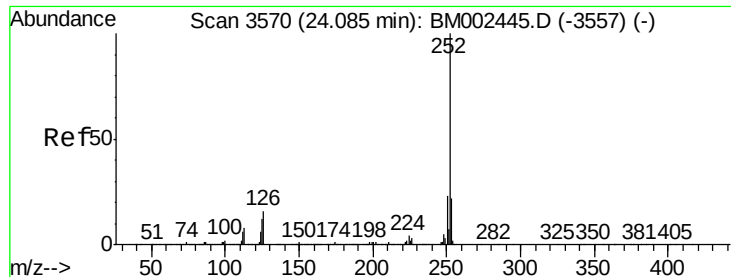


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 18.85 ng/ul

RT: 24.09 min Scan# 3570

Delta R.T. 0.00 min

Lab File: BM002450.D

Acq: 17 Aug 2015 14:20

Instrument :

BNA_M

ClientSampleId :

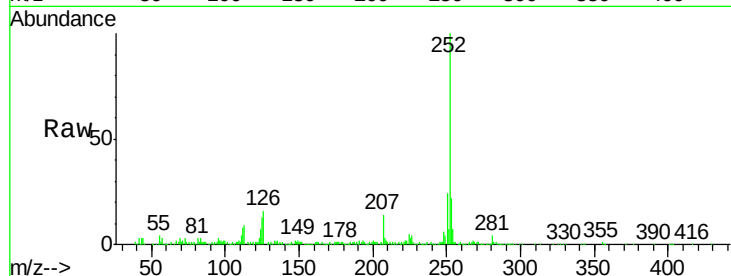
Tot Ion:252 Resp: 484744

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.0

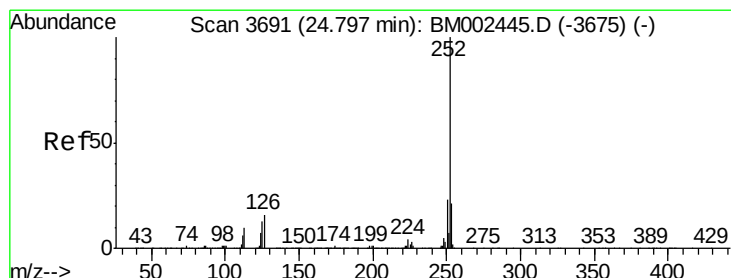
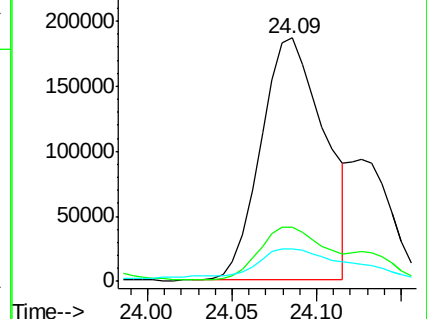
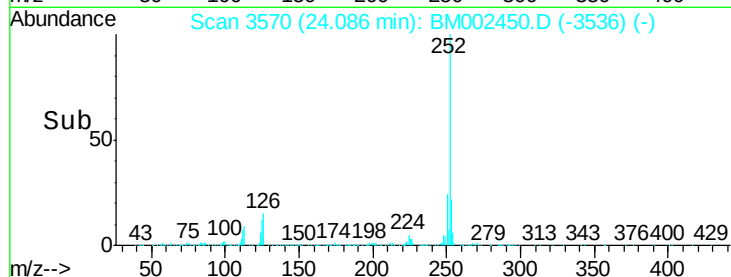
125 13.1 10.0 15.0



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: 12.00 ng/ul

RT: 24.79 min Scan# 3690

Delta R.T. -0.01 min

Lab File: BM002450.D

Acq: 17 Aug 2015 14:20

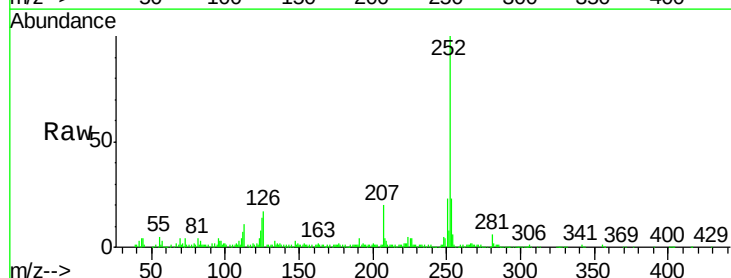
Tgt Ion:252 Resp: 294744

Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

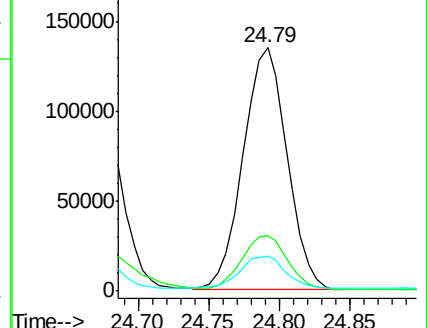
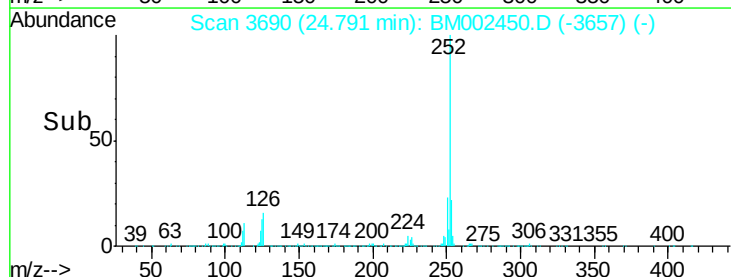
125 14.5 10.7 16.1

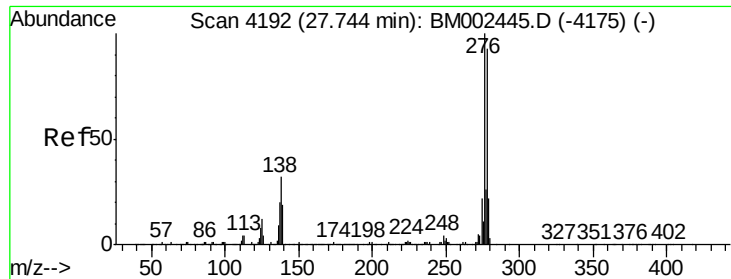


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

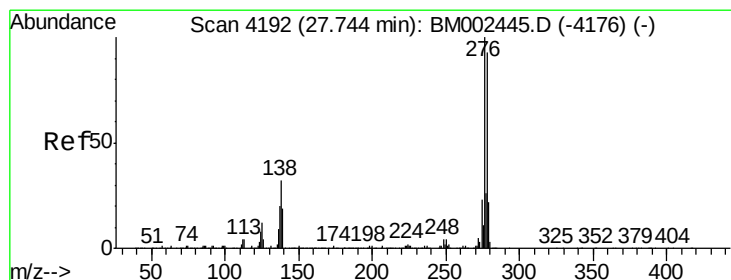
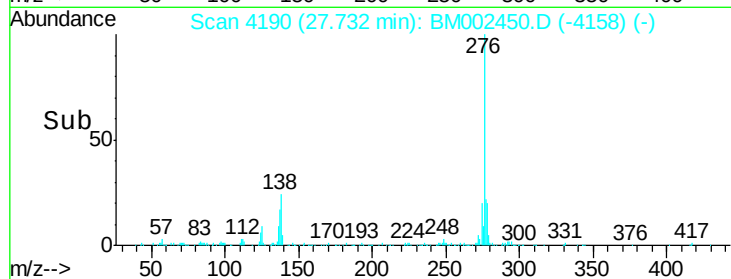
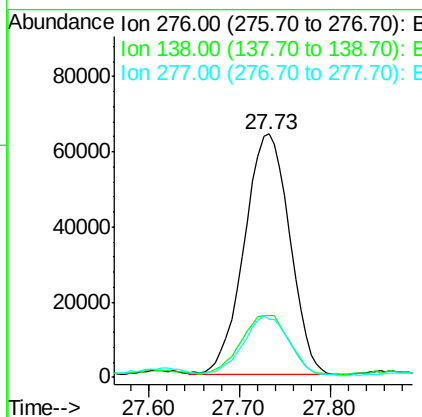
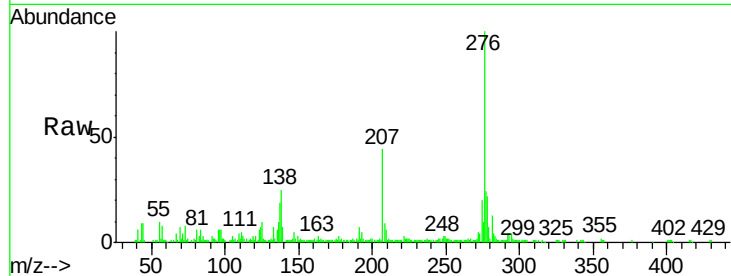




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 7.91 ng/ul
 RT: 27.73 min Scan# 4190
 Delta R.T. -0.01 min
 Lab File: BM002450.D
 Acq: 17 Aug 2015 14:20

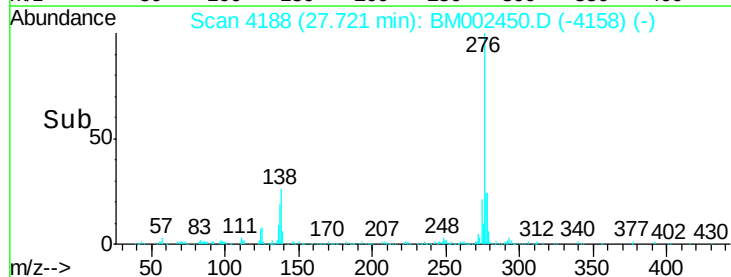
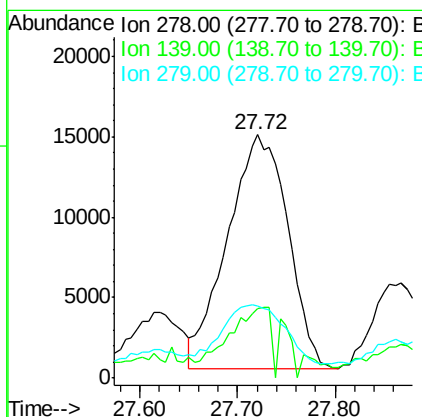
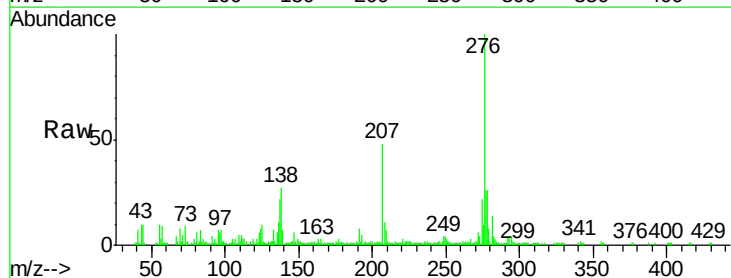
Instrument :
 BNA_M
 ClientSampleId :

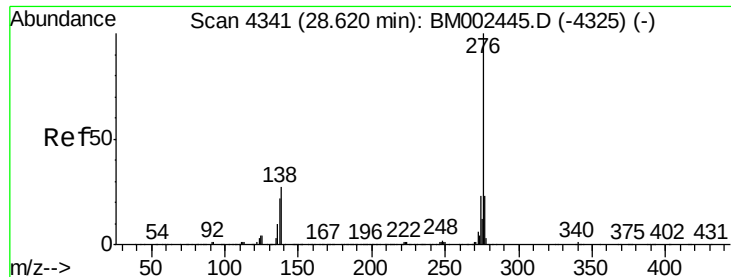
Tot Ion	Ratio	Lower	Upper
276	100		
138	25.5	25.3	37.9
277	24.0	20.2	30.2



#28
 Dibenzo(a,h)anthracene
 Concen: 2.67 ng/ul
 RT: 27.72 min Scan# 4188
 Delta R.T. -0.02 min
 Lab File: BM002450.D
 Acq: 17 Aug 2015 14:20

Tgt Ion	Ratio	Lower	Upper
278	100		
139	28.7	16.5	24.7#
279	29.7	18.8	28.2#





#29

Benzo(a,h,i)perylene

Concen: 8.25 ng/ul

RT: 28.61 min Scan# 4340

Delta R.T. -0.01 min

Lab File: BM002450.D

Acq: 17 Aug 2015 14:20

Instrument :

BNA_M

ClientSampleId :

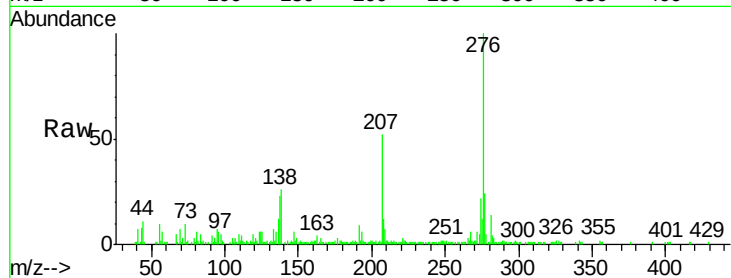
Tot Ion:276 Resp: 194070

Ion Ratio Lower Upper

276 100

138 25.9 21.0 31.6

277 24.5 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

