

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081715\
 Data File : BM002457.D
 Acq On : 17 Aug 2015 18:40
 Operator : UM/IZ
 Sample : G3227-08
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 18 02:02:39 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

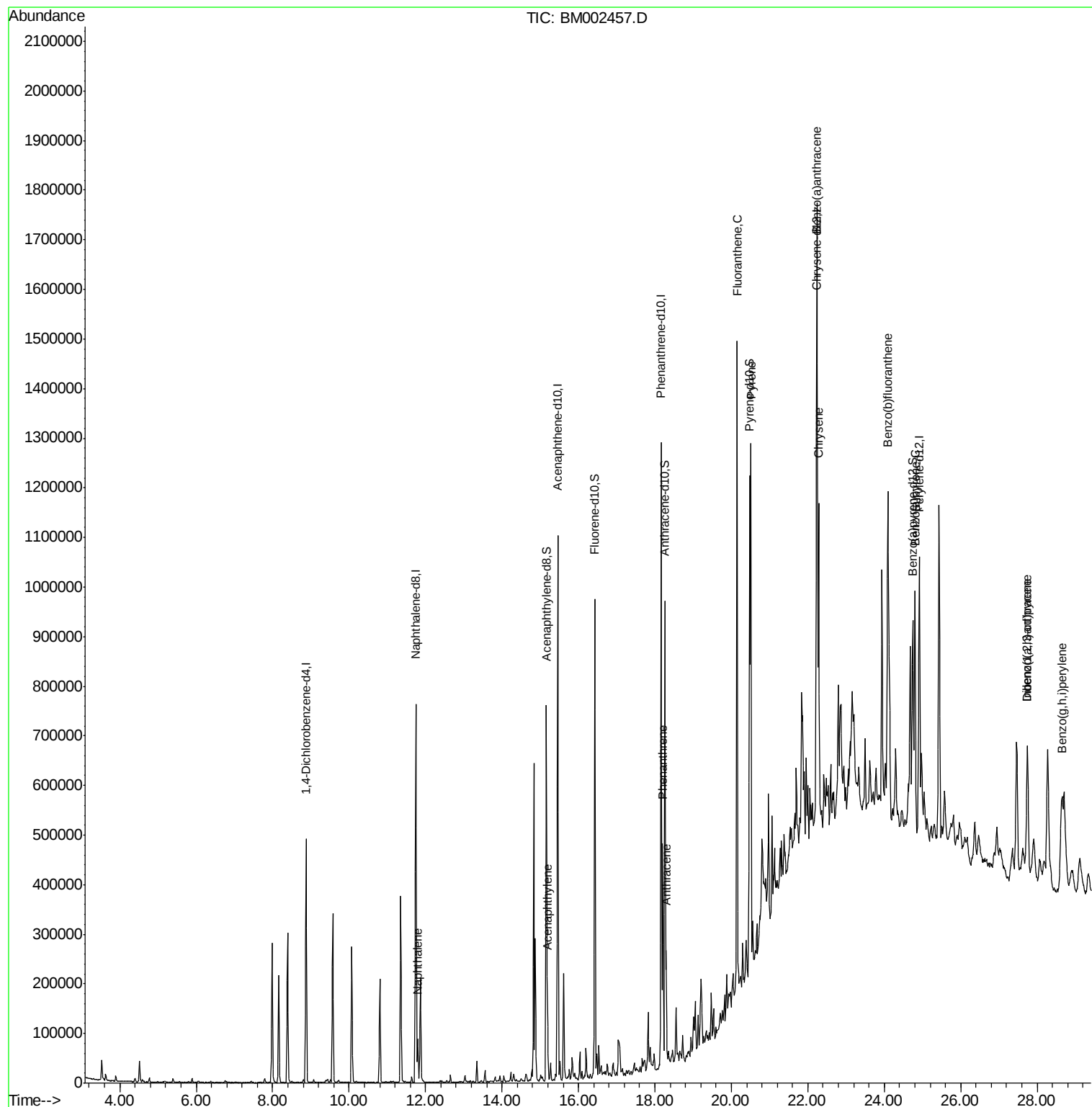
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	150302	20.00	ng/ul	0.00
2) Naphthalene-d8	11.75	136	706388	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.46	164	371561	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.16	188	733517	20.00	ng/ul	0.00
17) Chrysene-d12	22.24	240	524744	20.00	ng/ul	0.00
22) Perylene-d12	24.92	264	474816	20.00	ng/ul	0.01
System Monitoring Compounds						
7) Acenaphthylene-d8	15.16	160	583202	15.35	ng/ul	0.00
10) Fluorene-d10	16.43	176	388619	14.56	ng/ul	0.00
14) Anthracene-d10	18.26	188	550318	15.55	ng/ul	0.00
18) Pyrene-d10	20.48	212	486117	20.90	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.74	264	378275	15.17	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.80	128	80170	2.22	ng/ul	100
8) Acenaphthylene	15.19	152	110232	2.77	ng/ul	99
13) Phenanthrene	18.20	178	280298	6.62	ng/ul	99
15) Anthracene	18.29	178	139596	3.25	ng/ul	99
16) Fluoranthene	20.15	202	788222	16.44	ng/ul	99
19) Pyrene	20.51	202	636639	20.71	ng/ul	98
20) Benzo(a)anthracene	22.23	228	408888	13.03	ng/ul	97
21) Chrysene	22.29	228	428752	14.61	ng/ul	96
23) Benzo(b)fluoranthene	24.09	252	644473	22.45	ng/ul	97
26) Benzo(a)pyrene	24.80	252	399407	14.57	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	27.75	276	294519	9.34	ng/ul	94
28) Dibenzo(a,h)anthracene	27.74	278	77008	2.92	ng/ul#	80
29) Benzo(a,h,i)perylene	28.64	276	244411	9.31	ng/ul	99

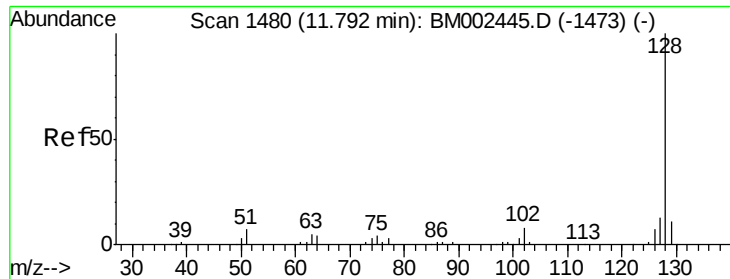
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 18 01:54:16 2015
Response via : Initial Calibration





#3

Naphthalene

Concen: 2.22 ng/ul

RT: 11.80 min Scan# 1481

Delta R.T. 0.01 min

Lab File: BM002457.D

Acq: 17 Aug 2015 18:40

Instrument :

BNA_M

ClientSampleId :

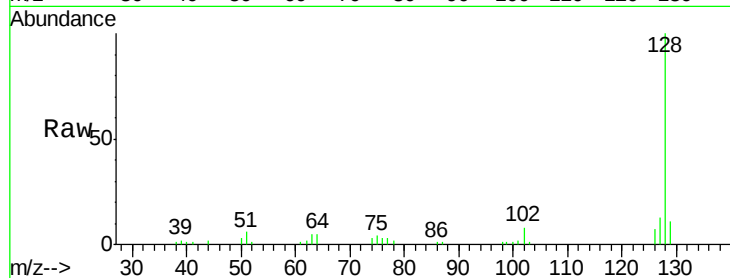
Tot Ion:128 Resp: 80170

Ion Ratio Lower Upper

128 100

129 10.6 8.6 12.8

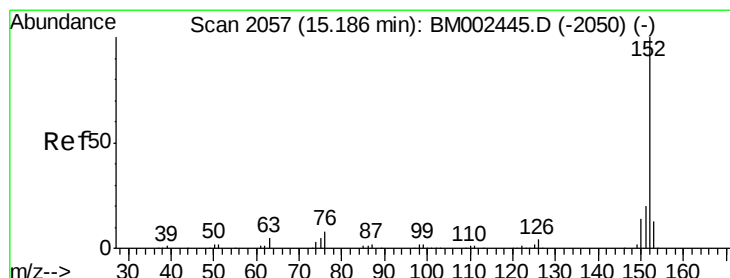
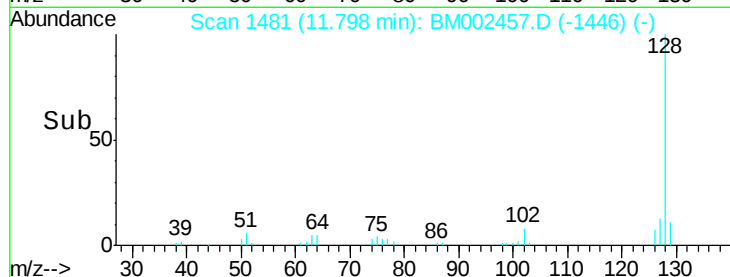
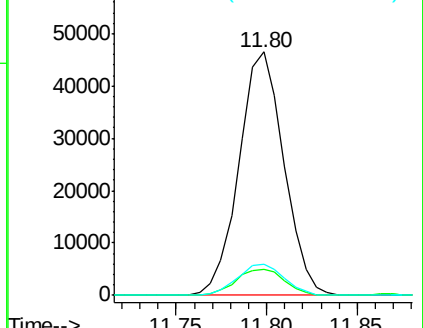
127 12.8 10.4 15.6



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: 2.77 ng/ul

RT: 15.19 min Scan# 2058

Delta R.T. 0.01 min

Lab File: BM002457.D

Acq: 17 Aug 2015 18:40

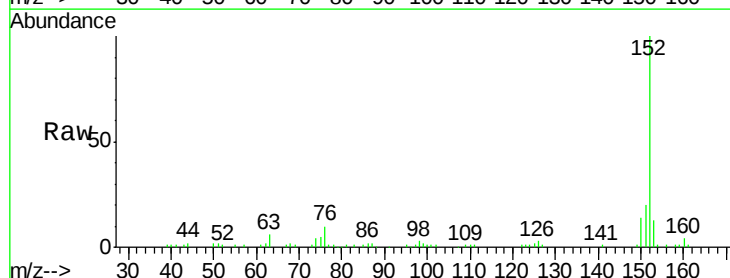
Tgt Ion:152 Resp: 110232

Ion Ratio Lower Upper

152 100

151 20.5 15.7 23.5

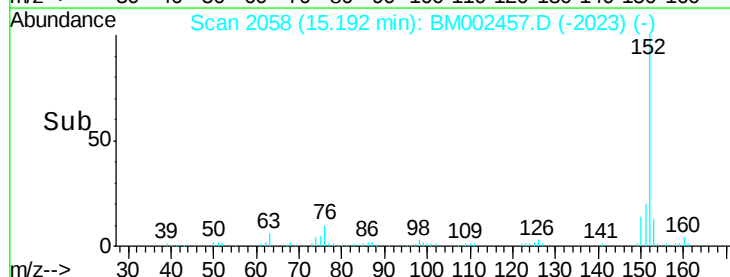
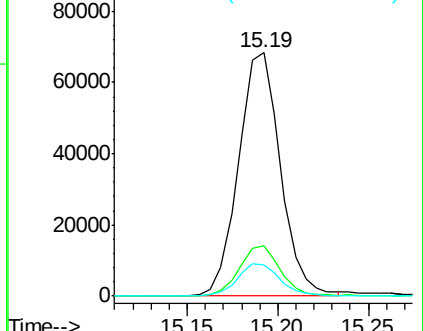
153 12.7 10.2 15.4

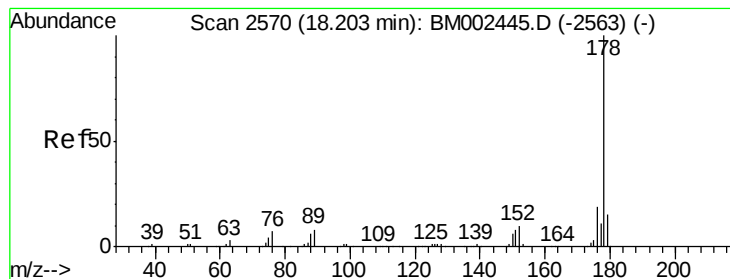


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#13

Phenanthrene

Concen: 6.62 ng/ul

RT: 18.20 min Scan# 2570

Delta R.T. 0.00 min

Lab File: BM002457.D

Acq: 17 Aug 2015 18:40

Instrument :

BNA_M

ClientSampled :

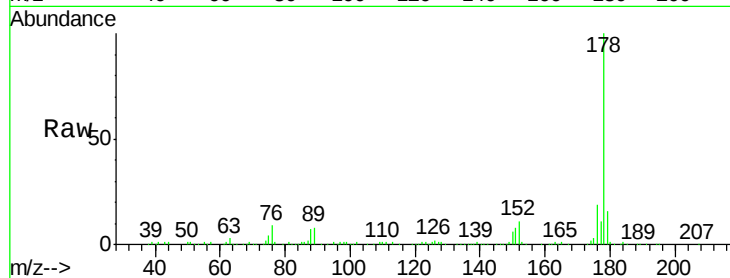
Tot Ion:178 Resp: 280298

Ion Ratio Lower Upper

178 100

179 15.9 12.4 18.6

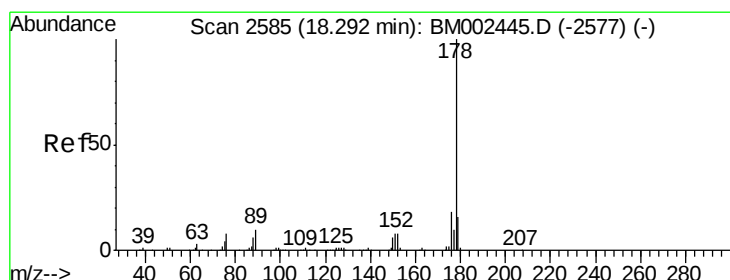
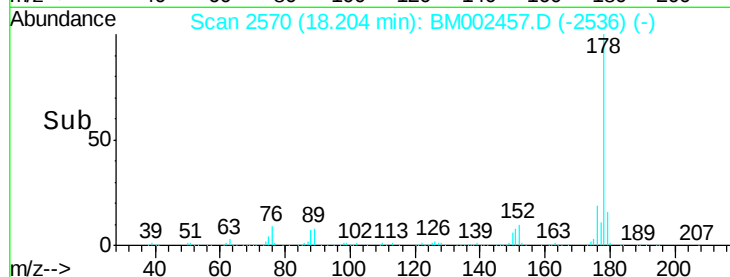
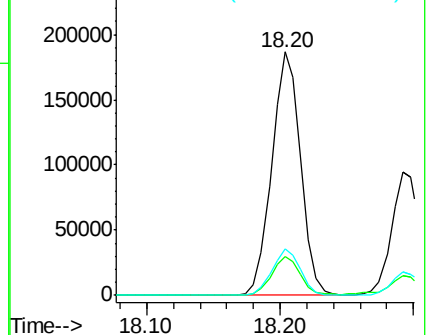
176 19.0 15.1 22.7



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: 3.25 ng/ul

RT: 18.29 min Scan# 2585

Delta R.T. 0.00 min

Lab File: BM002457.D

Acq: 17 Aug 2015 18:40

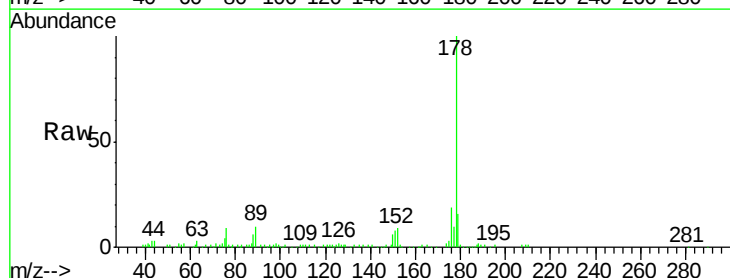
Tgt Ion:178 Resp: 139596

Ion Ratio Lower Upper

178 100

179 16.0 12.6 18.8

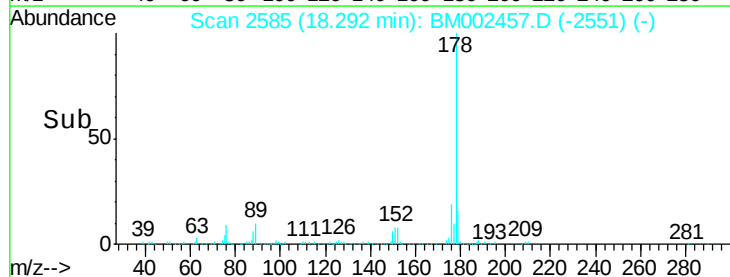
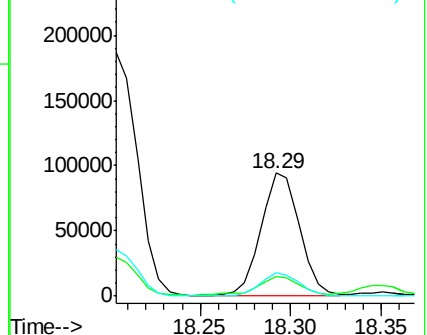
176 18.8 14.5 21.7

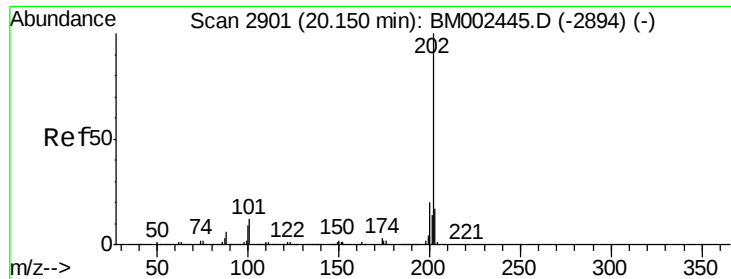


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

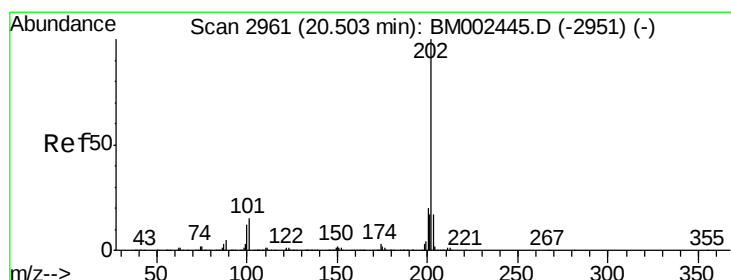
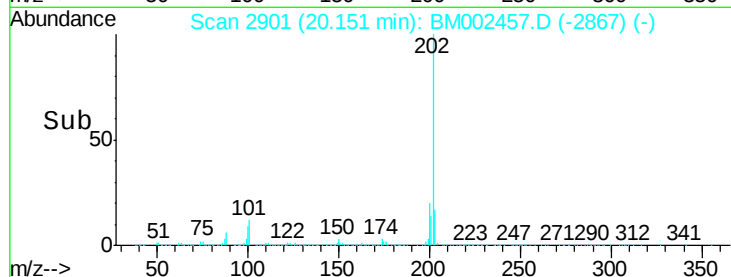
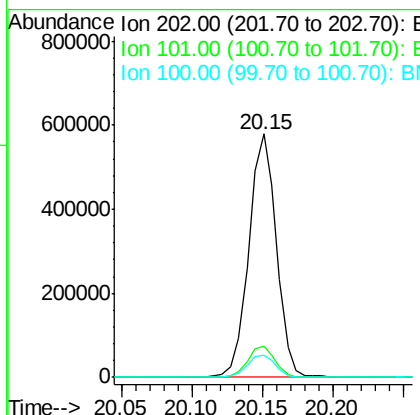
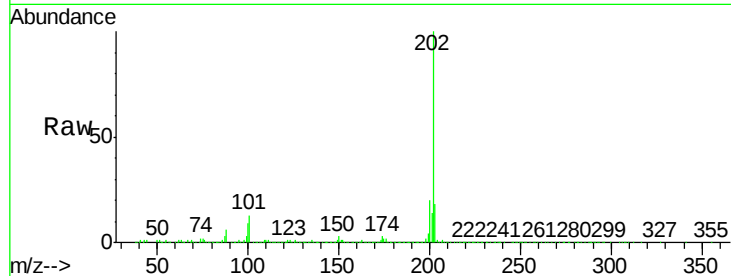




#16
 Fluoranthene
 Concen: 16.44 ng/ul
 RT: 20.15 min Scan# 2901
 Delta R.T. 0.00 min
 Lab File: BM002457.D
 Acq: 17 Aug 2015 18:40

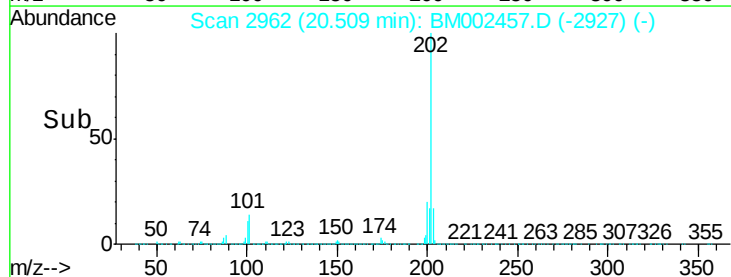
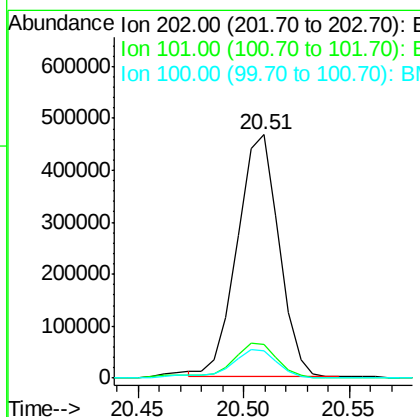
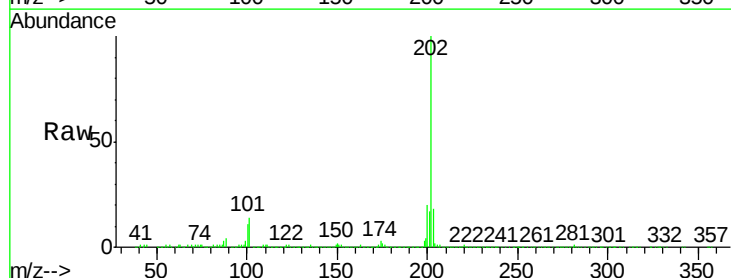
Instrument :
 BNA_M
 ClientSampleId :

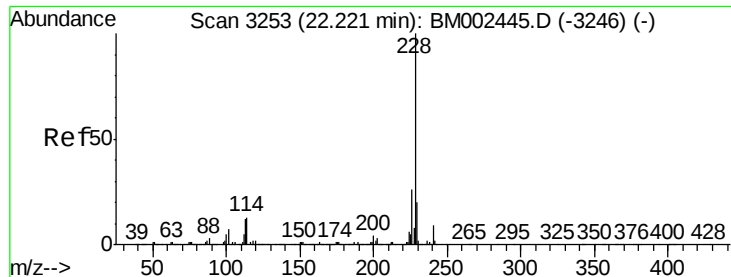
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.6	9.7	14.5
100	9.4	7.4	11.2



#19
 Pyrene
 Concen: 20.71 ng/ul
 RT: 20.51 min Scan# 2962
 Delta R.T. 0.01 min
 Lab File: BM002457.D
 Acq: 17 Aug 2015 18:40

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.9	12.0	18.0
100	11.3	9.7	14.5





#20

Benzo(a)anthracene

Concen: 13.03 ng/ul

RT: 22.23 min Scan# 3254

Delta R.T. 0.01 min

Lab File: BM002457.D

Acq: 17 Aug 2015 18:40

Instrument :

BNA_M

ClientSampleId :

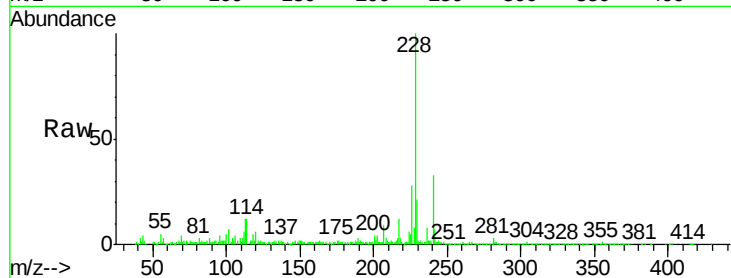
Tot Ion:228 Resp: 408888

Ion Ratio Lower Upper

228 100

229 21.1 15.8 23.6

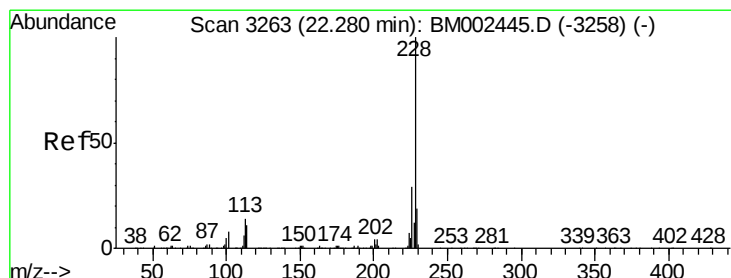
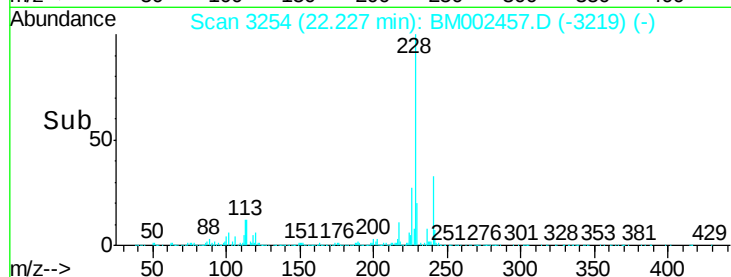
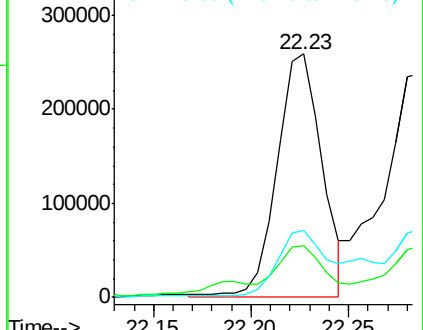
226 27.6 21.1 31.7



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: 14.61 ng/ul

RT: 22.29 min Scan# 3264

Delta R.T. 0.01 min

Lab File: BM002457.D

Acq: 17 Aug 2015 18:40

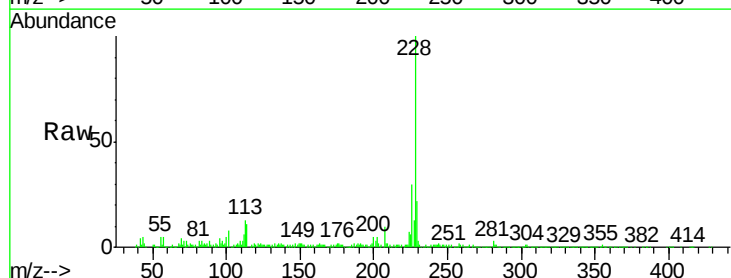
Tgt Ion:228 Resp: 428752

Ion Ratio Lower Upper

228 100

226 30.3 23.4 35.2

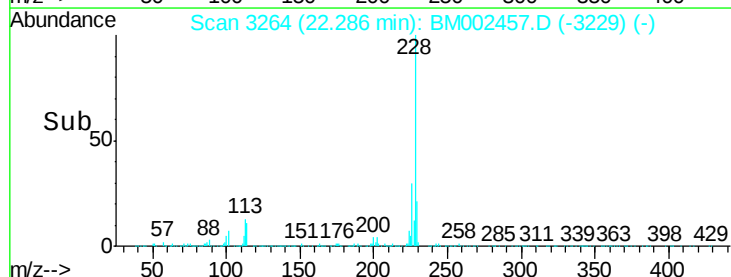
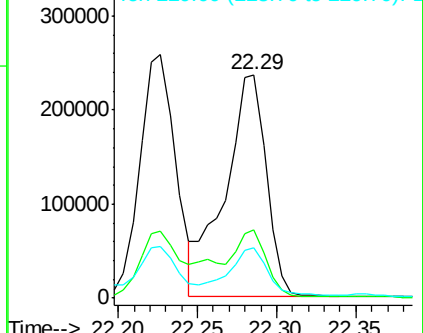
229 22.4 15.7 23.5

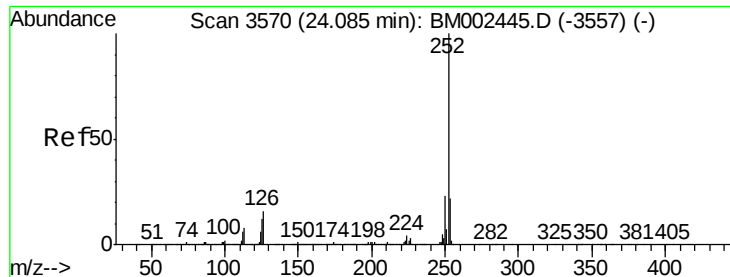


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

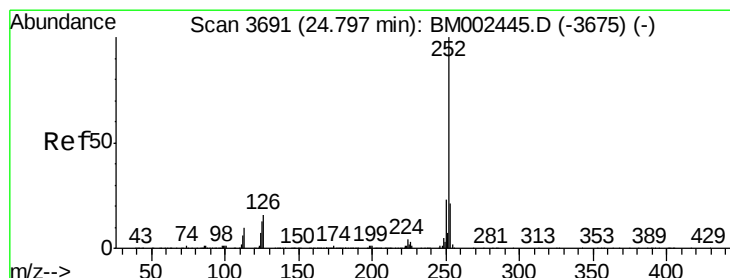
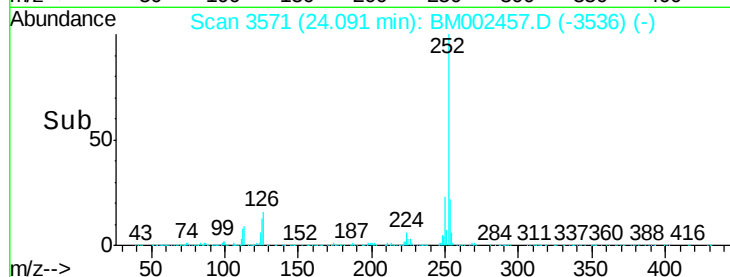
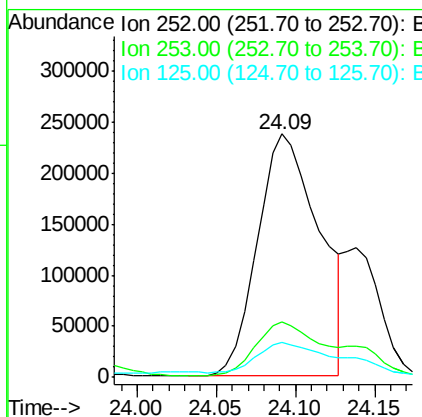
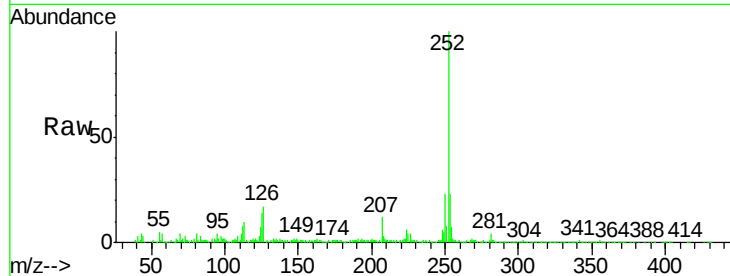




#23
Benzo(b)fluoranthene
Concen: 22.45 ng/ul
RT: 24.09 min Scan# 3571
Delta R.T. 0.01 min
Lab File: BM002457.D
Acq: 17 Aug 2015 18:40

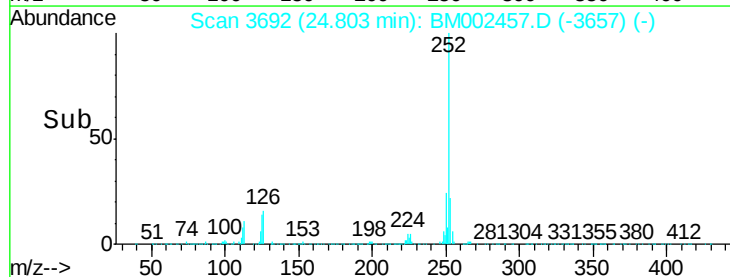
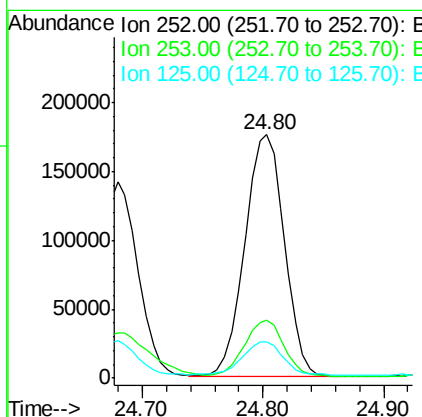
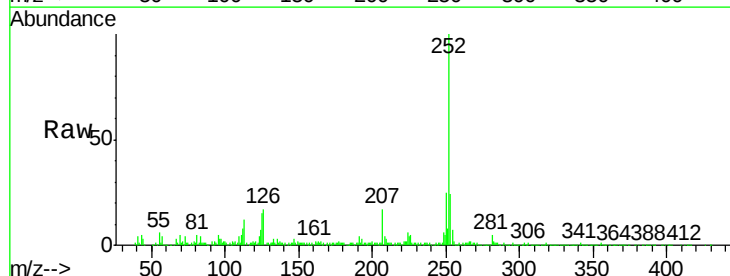
Instrument :
BNA_M
ClientSampleId :

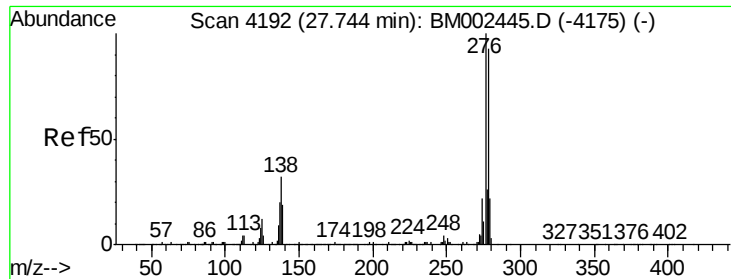
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.0
125	14.3	10.0	15.0



#26
Benzo(a)pyrene
Concen: 14.57 ng/ul
RT: 24.80 min Scan# 3692
Delta R.T. 0.01 min
Lab File: BM002457.D
Acq: 17 Aug 2015 18:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.6	26.4
125	15.1	10.7	16.1

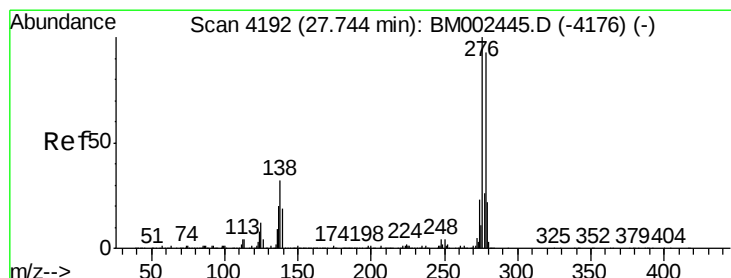
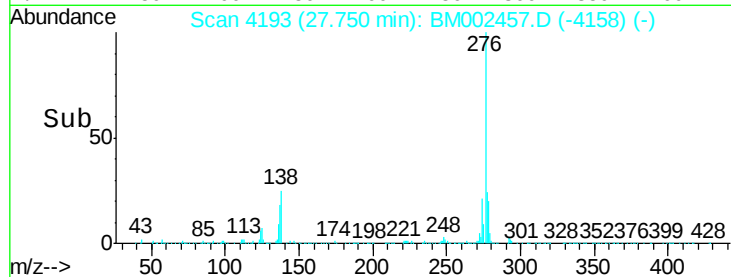
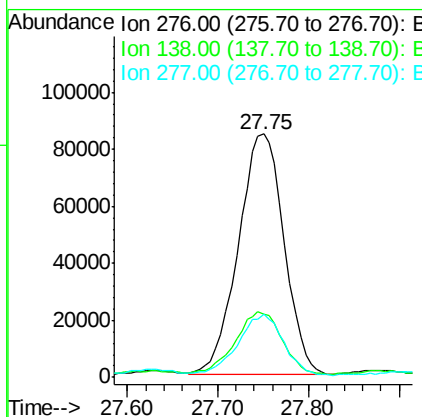
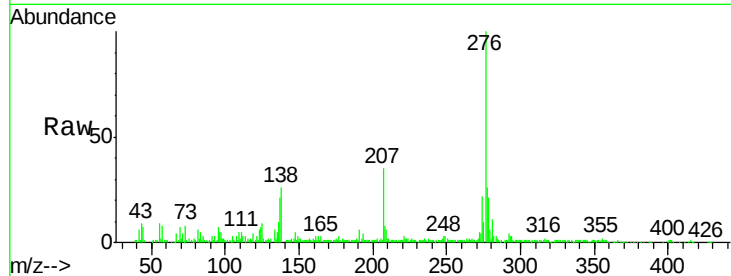




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 9.34 ng/ul
 RT: 27.75 min Scan# 4193
 Delta R.T. 0.01 min
 Lab File: BM002457.D
 Acq: 17 Aug 2015 18:40

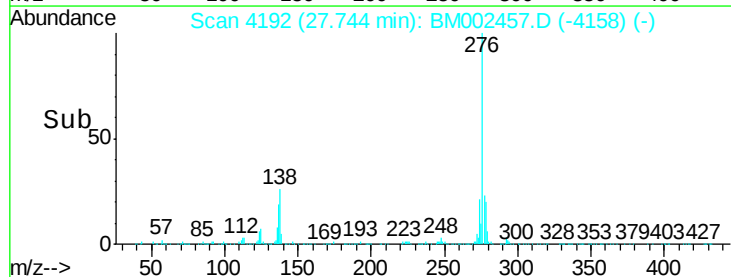
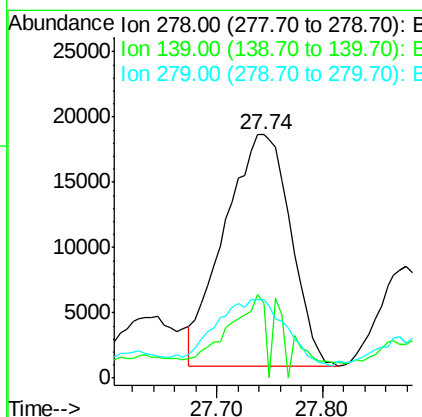
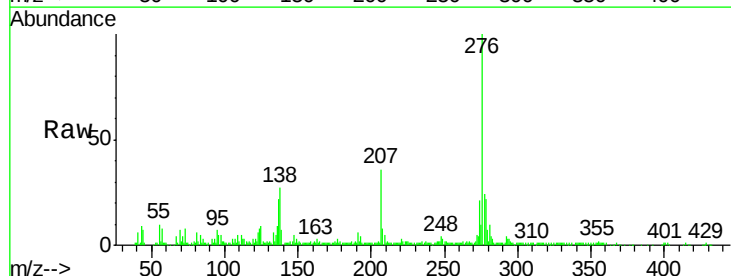
Instrument :
 BNA_M
 ClientSampleId :

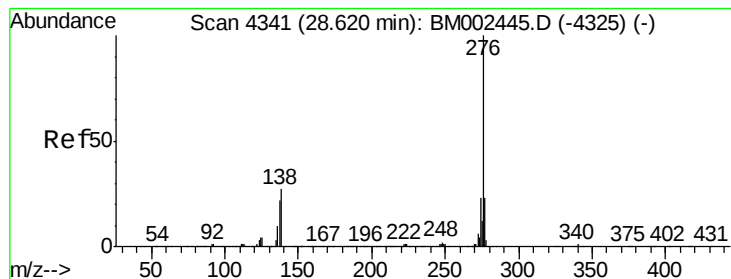
Tot Ion:276 Resp: 294519
 Ion Ratio Lower Upper
 276 100
 138 25.9 25.3 37.9
 277 25.8 20.2 30.2



#28
 Dibenzo(a,h)anthracene
 Concen: 2.92 ng/ul
 RT: 27.74 min Scan# 4192
 Delta R.T. 0.00 min
 Lab File: BM002457.D
 Acq: 17 Aug 2015 18:40

Tgt Ion:278 Resp: 77008
 Ion Ratio Lower Upper
 278 100
 139 30.7 16.5 24.7#
 279 32.3 18.8 28.2#





#29

Benzo(a,h,i)perylene

Concen: 9.31 ng/ul

RT: 28.64 min Scan# 4344

Delta R.T. 0.02 min

Lab File: BM002457.D

Acq: 17 Aug 2015 18:40

Instrument :

BNA_M

ClientSampleId :

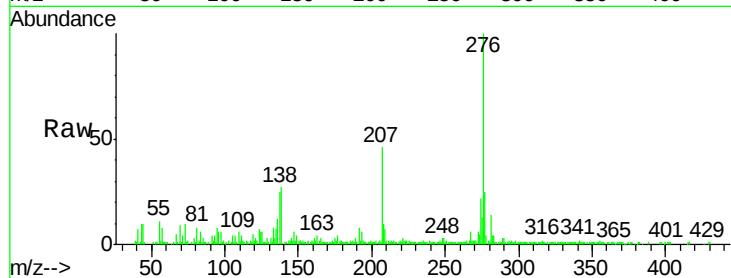
Tot Ion:276 Resp: 244411

Ion Ratio Lower Upper

276 100

138 26.7 21.0 31.6

277 24.6 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

