

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081715\
 Data File : BM002449.D
 Acq On : 17 Aug 2015 13:06
 Operator : UM/IZ
 Sample : G3219-05DL2 25X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 18 02:00:56 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	117747	20.00	ng/ul	0.00
2) Naphthalene-d8	11.74	136	556366	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.45	164	300385	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.16	188	614569	20.00	ng/ul	0.00
17) Chrysene-d12	22.24	240	455108	20.00	ng/ul	0.00
22) Perylene-d12	24.91	264	390862	20.00	ng/ul	0.00

System Monitoring Compounds

7) Acenaphthylene-d8	15.16	160	43715	1.42	ng/ul	0.00
10) Fluorene-d10	16.42	176	31284	1.45	ng/ul	0.00
14) Anthracene-d10	18.26	188	44368	1.50	ng/ul	0.00
18) Pyrene-d10	20.47	212	36299	1.80	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.73	264	22332	1.09	ng/ul	0.00

Target Compounds

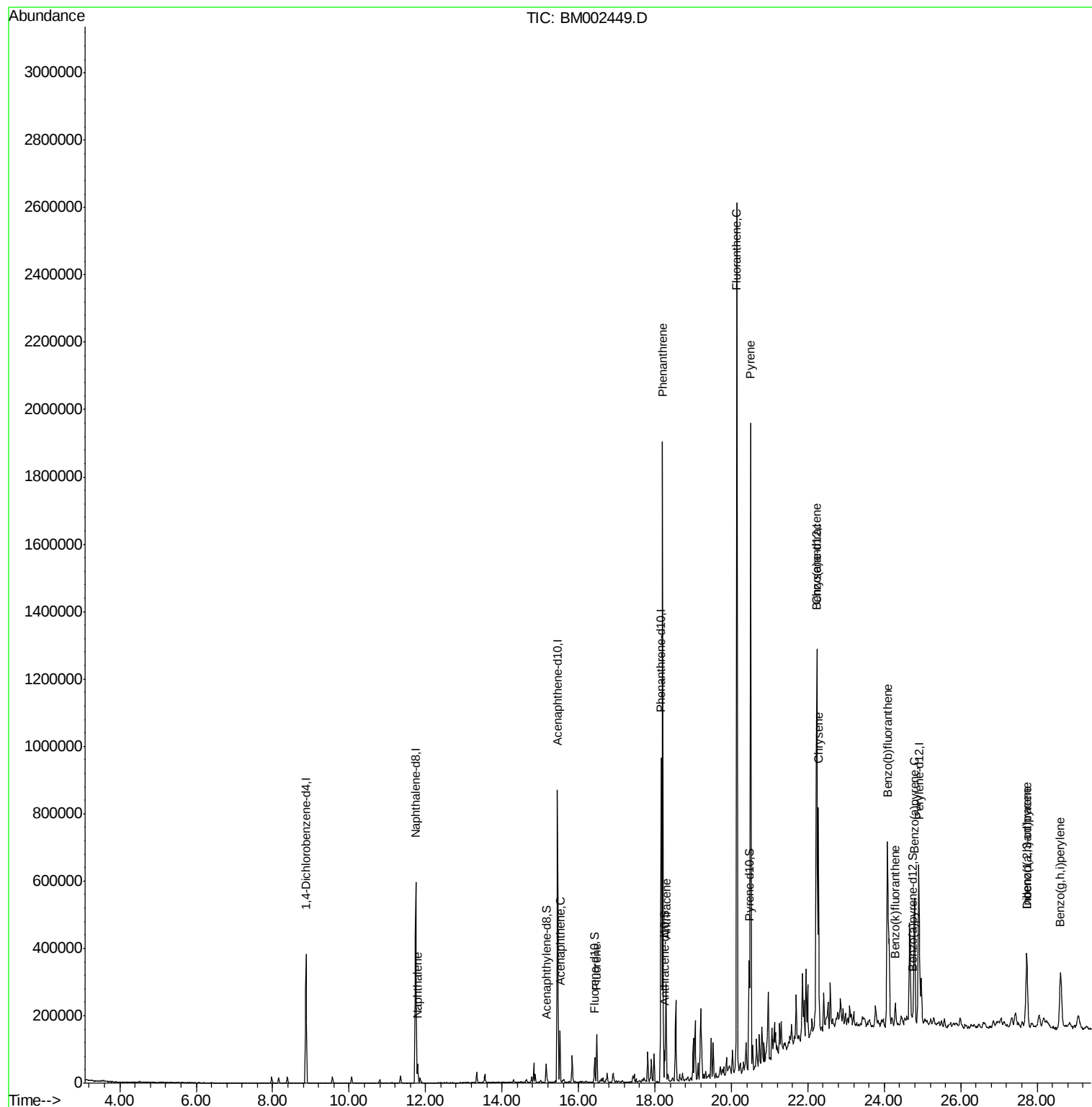
						Ovalue
3) Naphthalene	11.79	128	53876	1.90	ng/ul	99
9) Acenaphthene	15.52	153	67338	3.18	ng/ul	99
11) Fluorene	16.47	166	69728	2.87	ng/ul	99
13) Phenanthrene	18.20	178	1181790	33.30	ng/ul	100
15) Anthracene	18.29	178	189105	5.26	ng/ul	100
16) Fluoranthene	20.14	202	1571837	39.12	ng/ul	98
19) Pyrene	20.50	202	1179925	44.26	ng/ul	99
20) Benzo(a)anthracene	22.22	228	435244	15.99	ng/ul	99
21) Chrysene	22.28	228	408931	16.06	ng/ul	98
23) Benzo(b)fluoranthene	24.08	252	507090	21.46	ng/ul	97
24) Benzo(k)fluoranthene	24.29	252	46637	2.08	ng/ul#	87
26) Benzo(a)pyrene	24.79	252	319664	14.16	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	27.73	276	238346	9.18	ng/ul	94
28) Dibenzo(a,h)anthracene	27.73	278	58584	2.70	ng/ul#	77
29) Benzo(g,h,i)perylene	28.61	276	218349	10.11	ng/ul	99

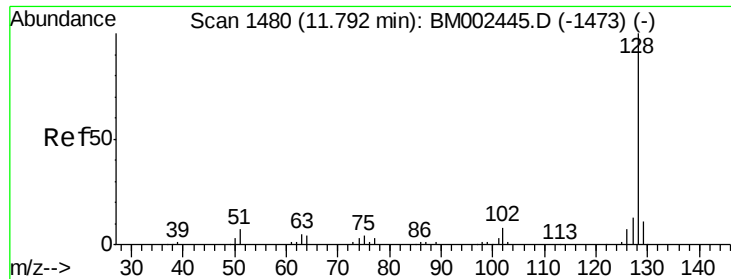
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.90 ng/ul

RT: 11.79 min Scan# 1480

Delta R.T. 0.00 min

Lab File: BM002449.D

Acq: 17 Aug 2015 13:06

Instrument :

BNA_M

ClientSampleId :

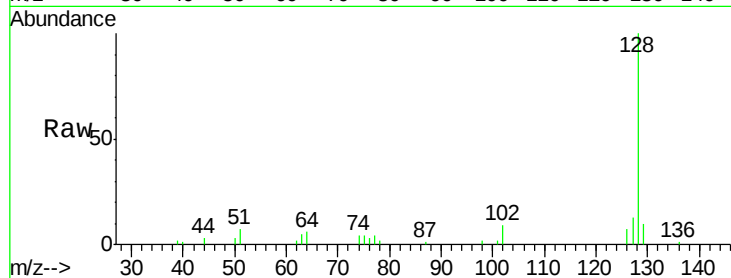
Tot Ion:128 Resp: 53876

Ion Ratio Lower Upper

128 100

129 10.4 8.6 12.8

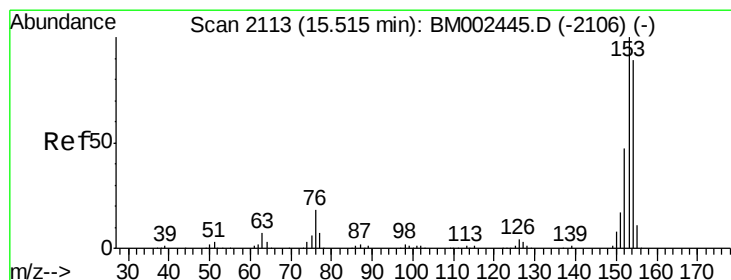
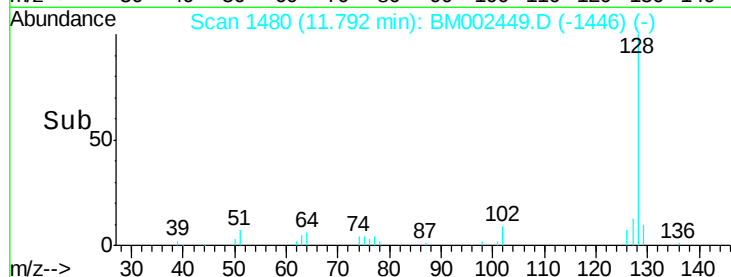
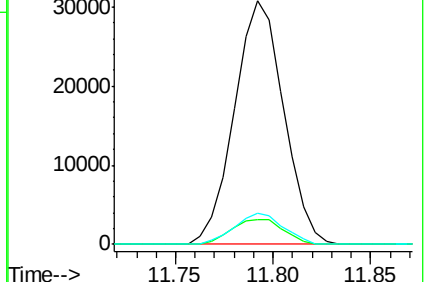
127 12.6 10.4 15.6



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



#9

Acenaphthene

Concen: 3.18 ng/ul

RT: 15.52 min Scan# 2113

Delta R.T. 0.00 min

Lab File: BM002449.D

Acq: 17 Aug 2015 13:06

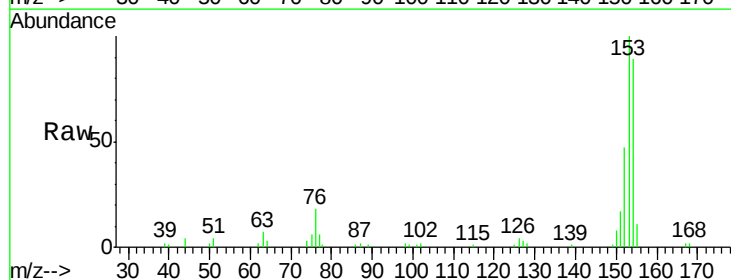
Tgt Ion:153 Resp: 67338

Ion Ratio Lower Upper

153 100

152 47.3 36.9 55.3

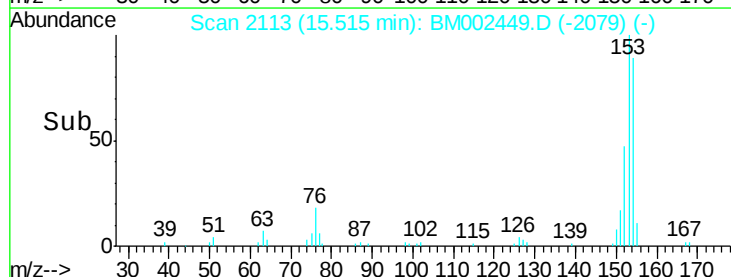
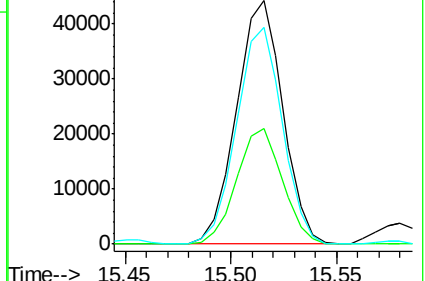
154 88.8 71.3 106.9

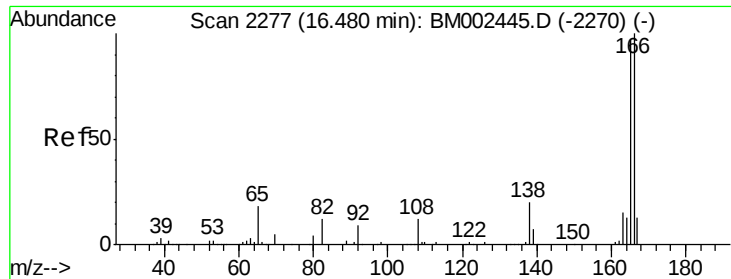


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

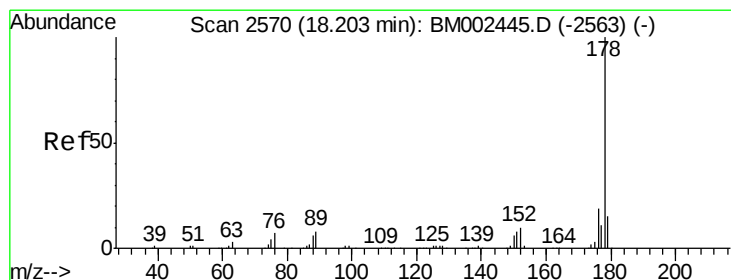
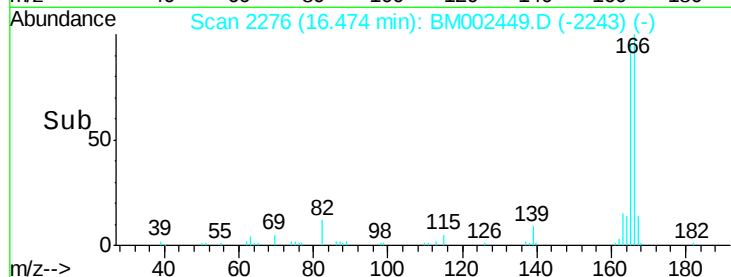
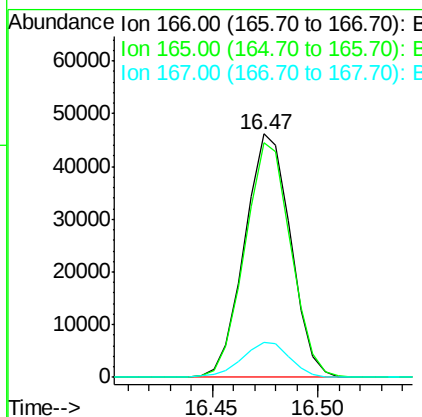
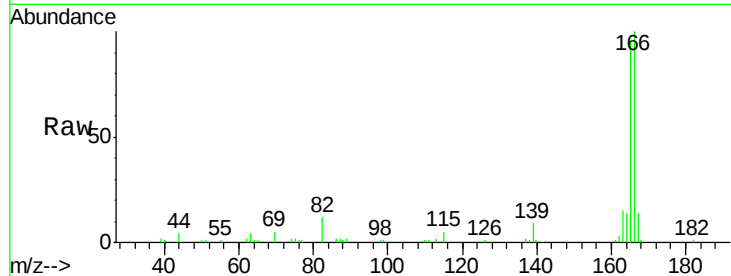




#11
 Fluorene
 Concen: 2.87 ng/ul
 RT: 16.47 min Scan# 2276
 Delta R.T. -0.01 min
 Lab File: BM002449.D
 Acq: 17 Aug 2015 13:06

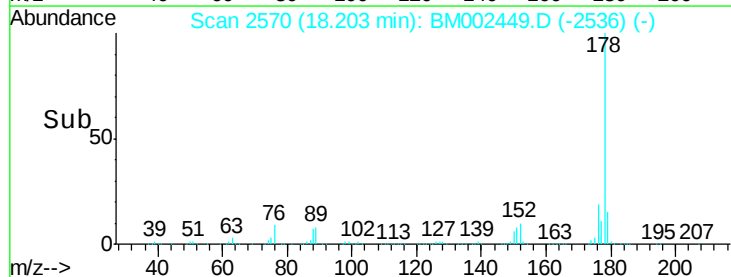
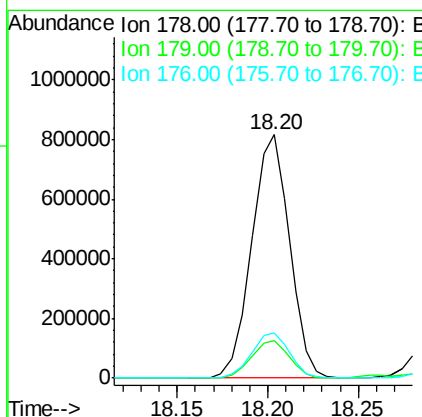
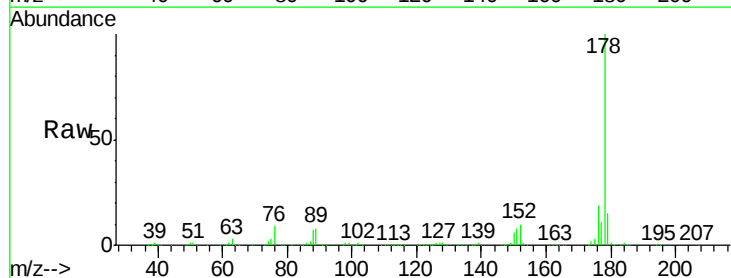
Instrument :
 BNA_M
 ClientSampleId :

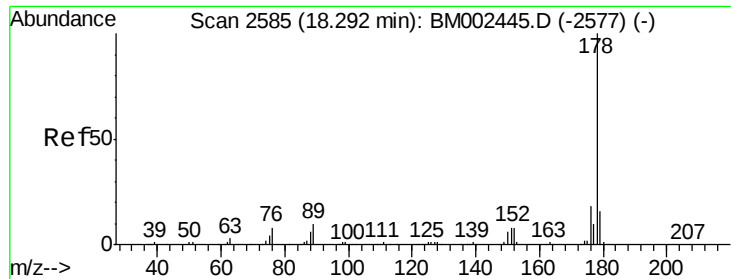
Tot Ion:166 Resp: 69728
 Ion Ratio Lower Upper
 166 100
 165 96.2 77.6 116.4
 167 14.1 10.7 16.1



#13
 Phenanthrene
 Concen: 33.30 ng/ul
 RT: 18.20 min Scan# 2570
 Delta R.T. 0.00 min
 Lab File: BM002449.D
 Acq: 17 Aug 2015 13:06

Tgt Ion:178 Resp: 1181790
 Ion Ratio Lower Upper
 178 100
 179 15.3 12.4 18.6
 176 18.8 15.1 22.7





#15

Anthracene

Concen: 5.26 ng/ul

RT: 18.29 min Scan# 2585

Delta R.T. 0.00 min

Lab File: BM002449.D

Acq: 17 Aug 2015 13:06

Instrument :

BNA_M

ClientSampleId :

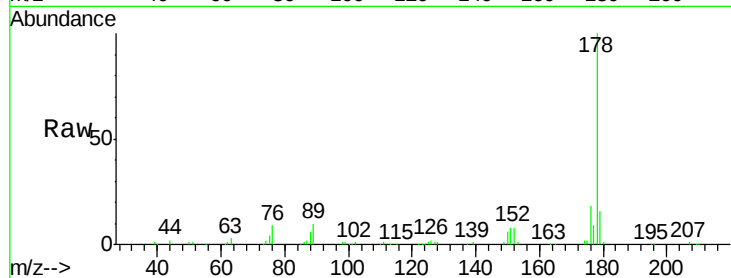
Tot Ion:178 Resp: 189105

Ion Ratio Lower Upper

178 100

179 15.7 12.6 18.8

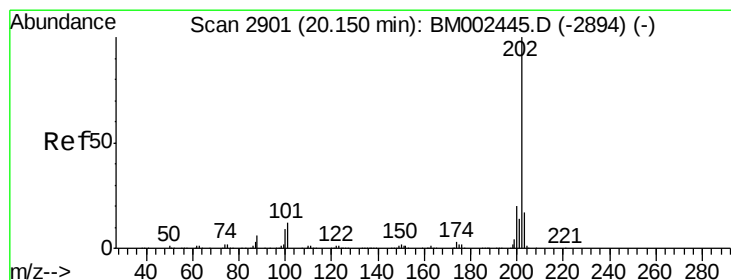
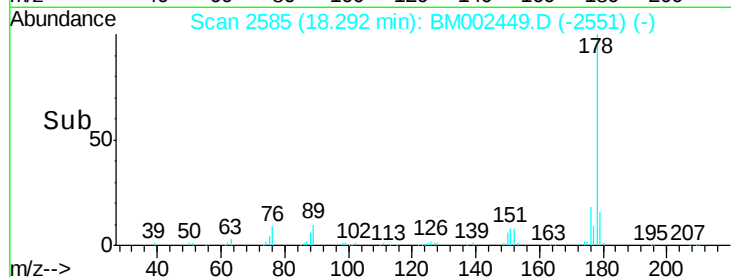
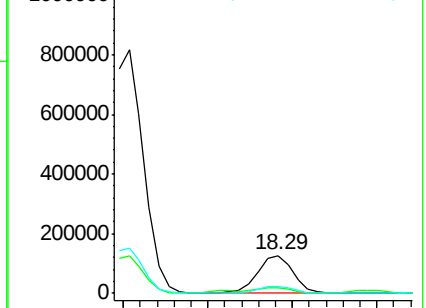
176 17.8 14.5 21.7



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: 39.12 ng/ul

RT: 20.14 min Scan# 2900

Delta R.T. -0.01 min

Lab File: BM002449.D

Acq: 17 Aug 2015 13:06

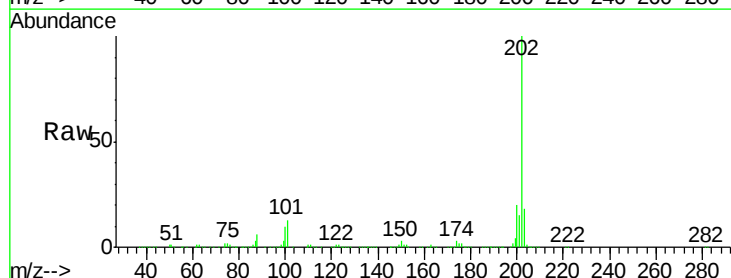
Tgt Ion:202 Resp: 1571837

Ion Ratio Lower Upper

202 100

101 13.2 9.7 14.5

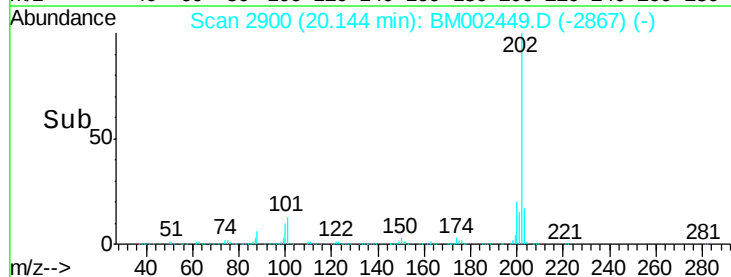
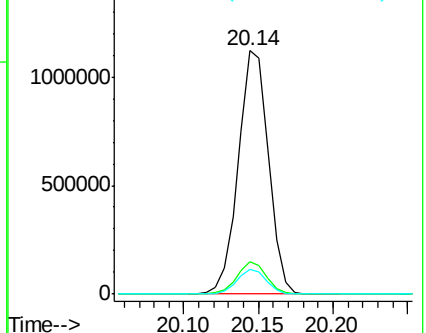
100 10.1 7.4 11.2

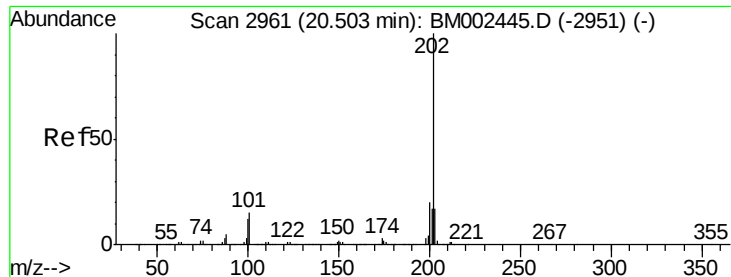


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

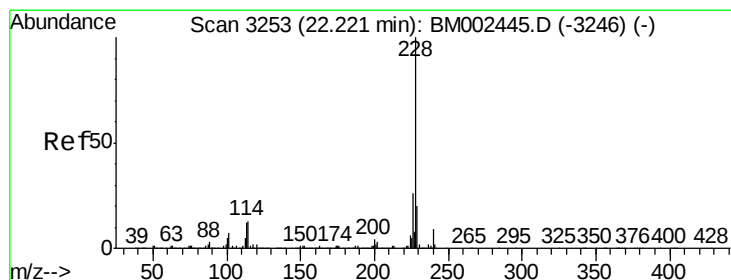
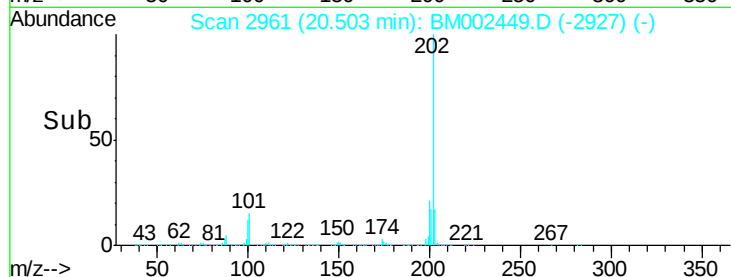
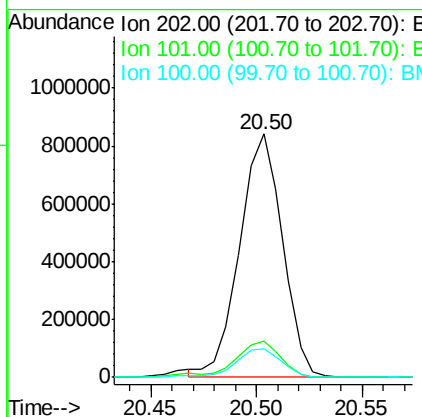
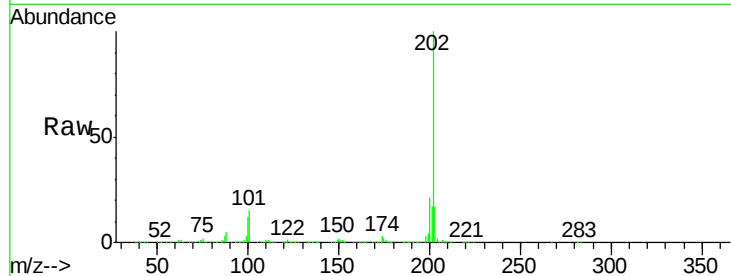




#19
Pvrene
Concen: 44.26 ng/ul
RT: 20.50 min Scan# 2961
Delta R.T. 0.00 min
Lab File: BM002449.D
Acq: 17 Aug 2015 13:06

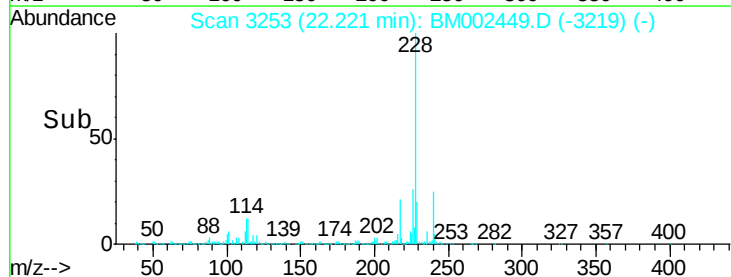
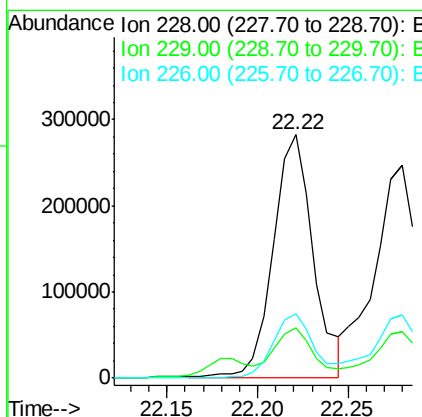
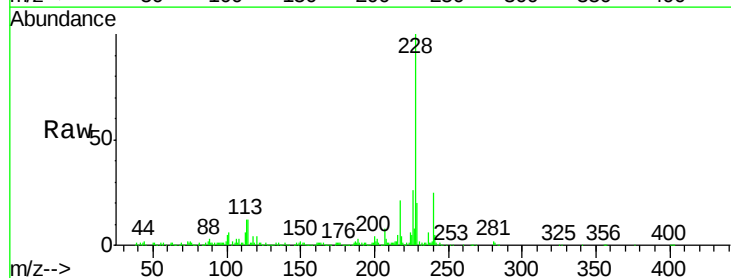
Instrument :
BNA_M
ClientSampleId :

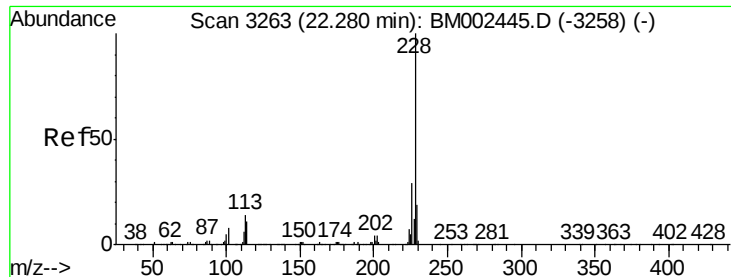
Tot Ion:202 Resp: 1179925
Ion Ratio Lower Upper
202 100
101 14.6 12.0 18.0
100 11.8 9.7 14.5



#20
Benzo(a)anthracene
Concen: 15.99 ng/ul
RT: 22.22 min Scan# 3253
Delta R.T. 0.00 min
Lab File: BM002449.D
Acq: 17 Aug 2015 13:06

Tgt Ion:228 Resp: 435244
Ion Ratio Lower Upper
228 100
229 20.4 15.8 23.6
226 26.4 21.1 31.7





#21

Chrysene

Concen: 16.06 ng/ul

RT: 22.28 min Scan# 3263

Delta R.T. 0.00 min

Lab File: BM002449.D

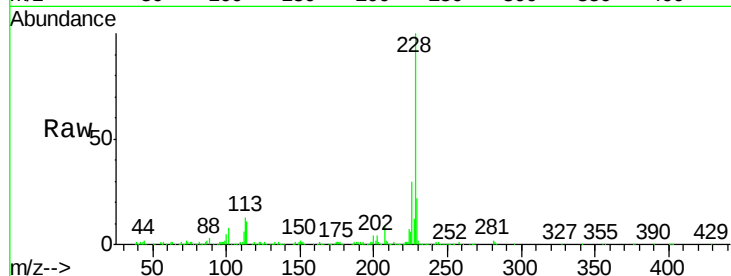
Acq: 17 Aug 2015 13:06

Instrument :

BNA_M

ClientSampleId :

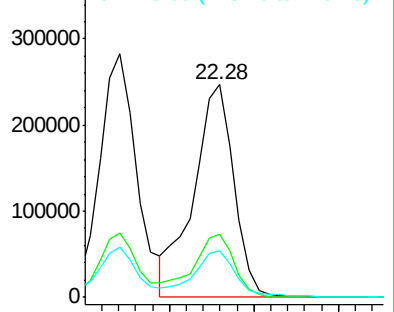
Tot Ion:228	Resp:	408931
Ion Ratio	Lower	Upper
228	100	
226	29.6	23.4 35.2
229	21.8	15.7 23.5



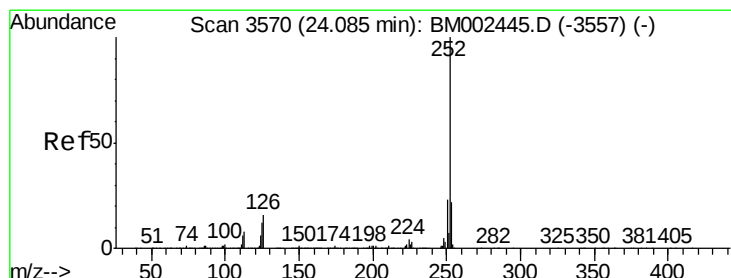
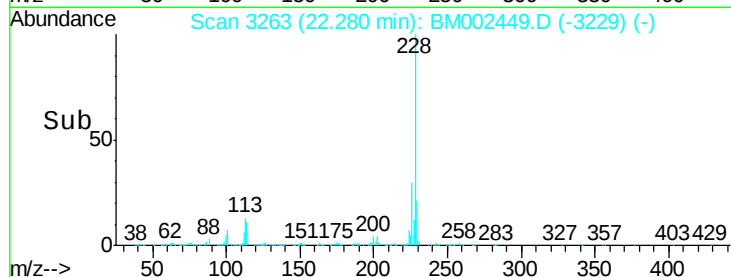
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#23

Benzo(b)fluoranthene

Concen: 21.46 ng/ul

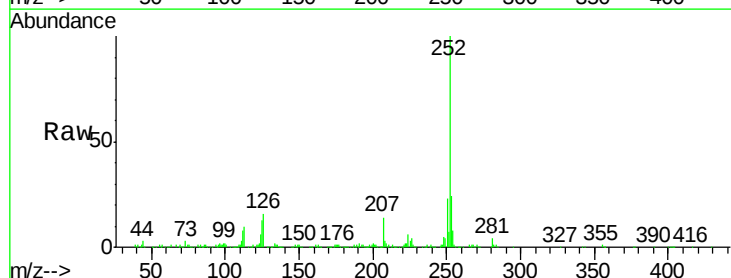
RT: 24.08 min Scan# 3569

Delta R.T. -0.01 min

Lab File: BM002449.D

Acq: 17 Aug 2015 13:06

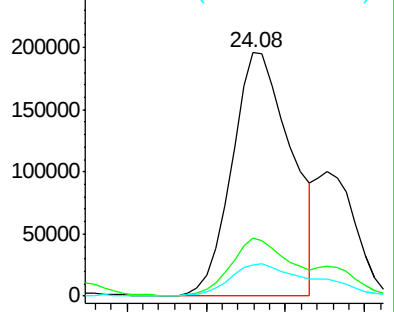
Tgt Ion:252	Resp:	507090
Ion Ratio	Lower	Upper
252	100	
253	23.9	17.4 26.0
125	13.0	10.0 15.0



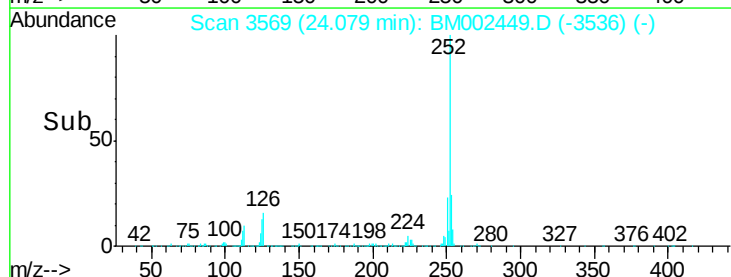
Abundance Ion 252.00 (251.70 to 252.70): E

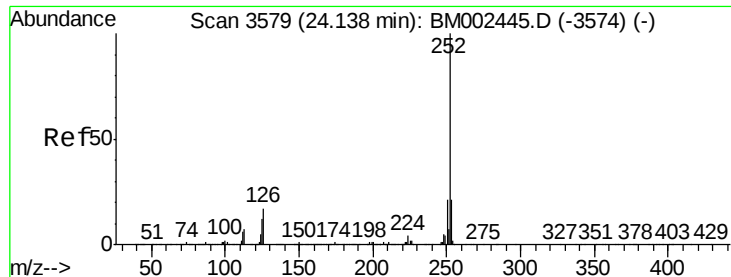
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->

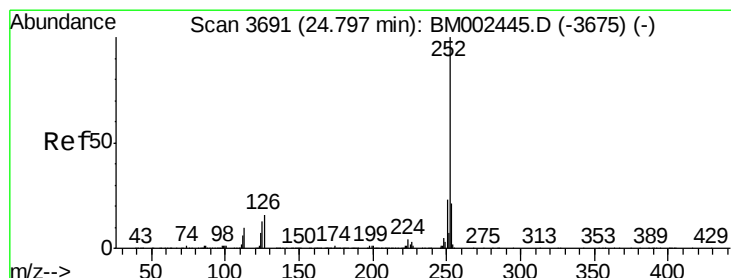
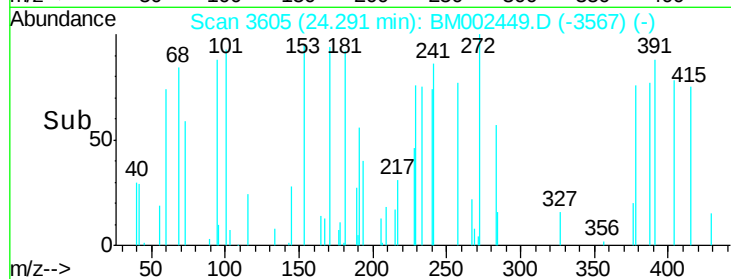
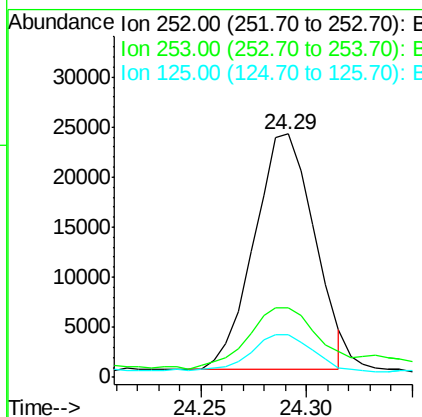
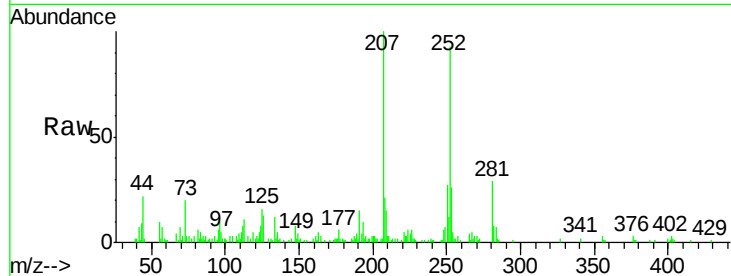




#24
Benzo(k)fluoranthene
Concen: 2.08 ng/ul
RT: 24.29 min Scan# 3605
Delta R.T. 0.15 min
Lab File: BM002449.D
Acq: 17 Aug 2015 13:06

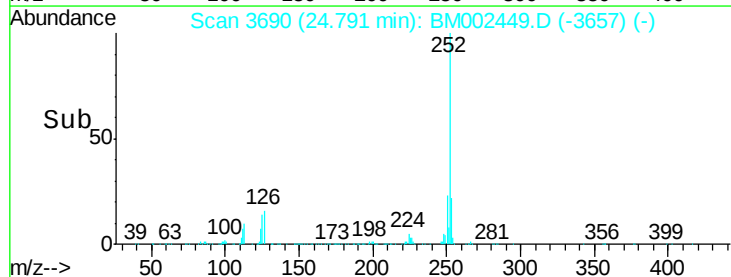
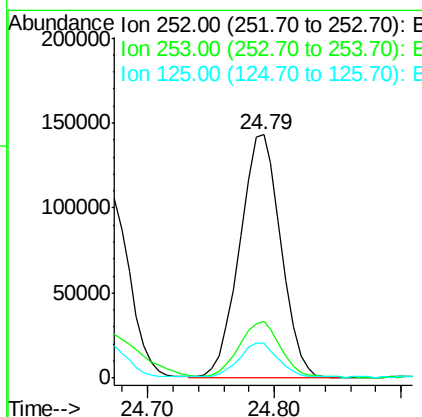
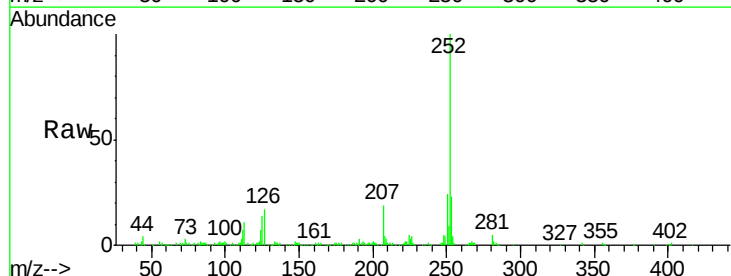
Instrument :
BNA_M
ClientSampleId :

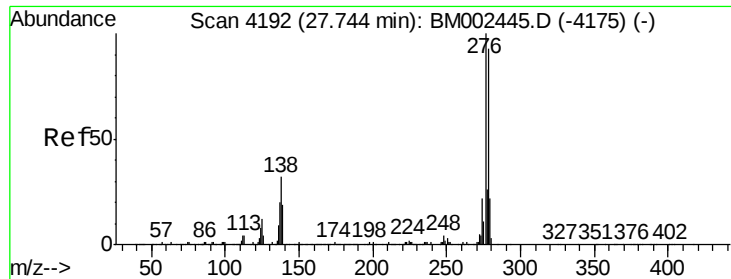
Tot Ion:252 Resp: 46637
Ion Ratio Lower Upper
252 100
253 28.5 17.8 26.6#
125 17.5 9.8 14.8#



#26
Benzo(a)pyrene
Concen: 14.16 ng/ul
RT: 24.79 min Scan# 3690
Delta R.T. -0.01 min
Lab File: BM002449.D
Acq: 17 Aug 2015 13:06

Tgt Ion:252 Resp: 319664
Ion Ratio Lower Upper
252 100
253 23.3 17.6 26.4
125 14.2 10.7 16.1

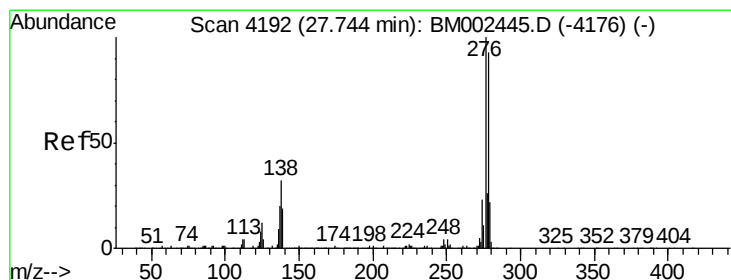
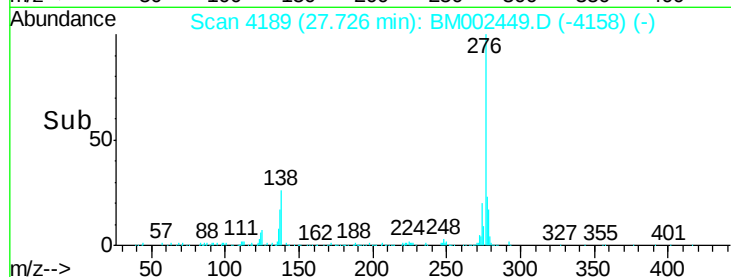
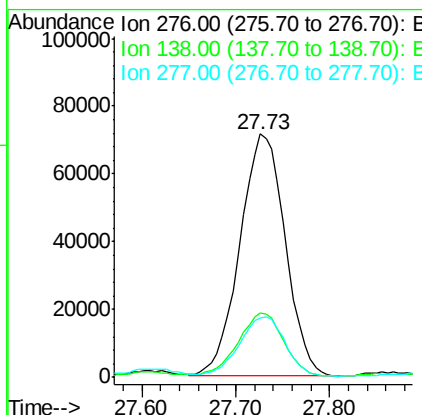
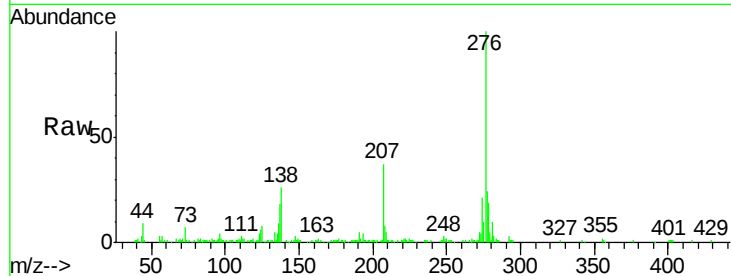




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 9.18 ng/ul
 RT: 27.73 min Scan# 4189
 Delta R.T. -0.02 min
 Lab File: BM002449.D
 Acq: 17 Aug 2015 13:06

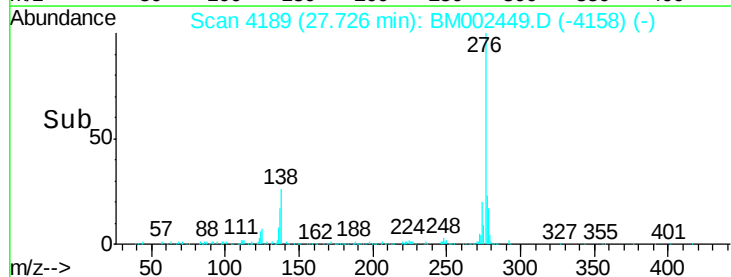
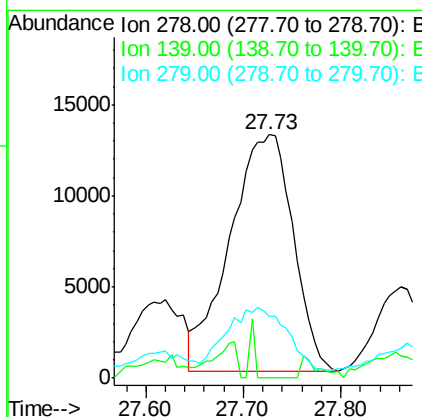
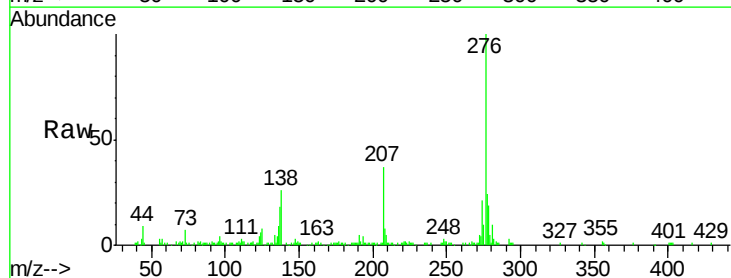
Instrument :
 BNA_M
 ClientSampled :

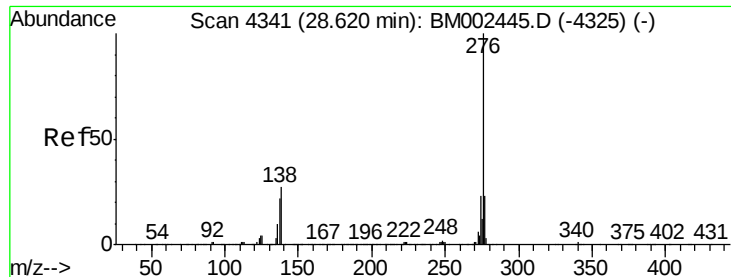
Tot Ion	Ratio	Lower	Upper
276	100		
138	26.3	25.3	37.9
277	24.1	20.2	30.2



#28
 Dibenzo(a,h)anthracene
 Concen: 2.70 ng/ul
 RT: 27.73 min Scan# 4189
 Delta R.T. -0.02 min
 Lab File: BM002449.D
 Acq: 17 Aug 2015 13:06

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.5	24.7#
279	25.5	18.8	28.2





#29

Benzo(a,h,i)perylene

Concen: 10.11 ng/ul

RT: 28.61 min Scan# 4339

Delta R.T. -0.01 min

Lab File: BM002449.D

Acq: 17 Aug 2015 13:06

Instrument :

BNA_M

ClientSampleId :

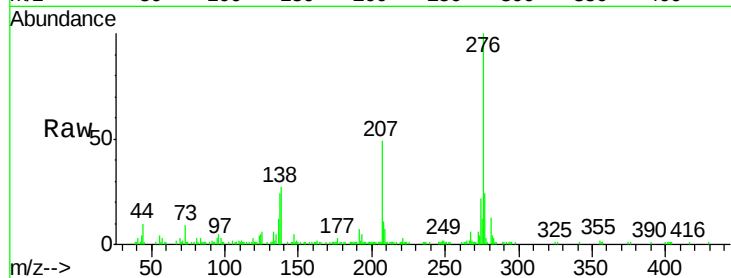
Tot Ion:276 Resp: 218349

Ion Ratio Lower Upper

276 100

138 27.4 21.0 31.6

277 24.2 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

