

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080715\
 Data File : BM002287.D
 Acq On : 08 Aug 2015 21:55
 Operator : TP/UM
 Sample : G3161-14
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9C59

Quant Time: Aug 09 06:18:32 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Aug 09 06:16:29 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	271301	20.00	ng/ul	0.00
2) Naphthalene-d8	11.80	136	1305802	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.50	164	685727	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.21	188	1371501	20.00	ng/ul	0.00
17) Chrysene-d12	22.29	240	1186645	20.00	ng/ul	0.00
22) Perylene-d12	25.00	264	1003880	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.20	160	1437329	20.23	ng/ul	0.00
10) Fluorene-d10	16.47	176	942081	19.07	ng/ul	0.00
14) Anthracene-d10	18.30	188	1327270	19.94	ng/ul	0.00
18) Pyrene-d10	20.52	212	1273899	22.13	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.82	264	938215	17.60	ng/ul	0.00

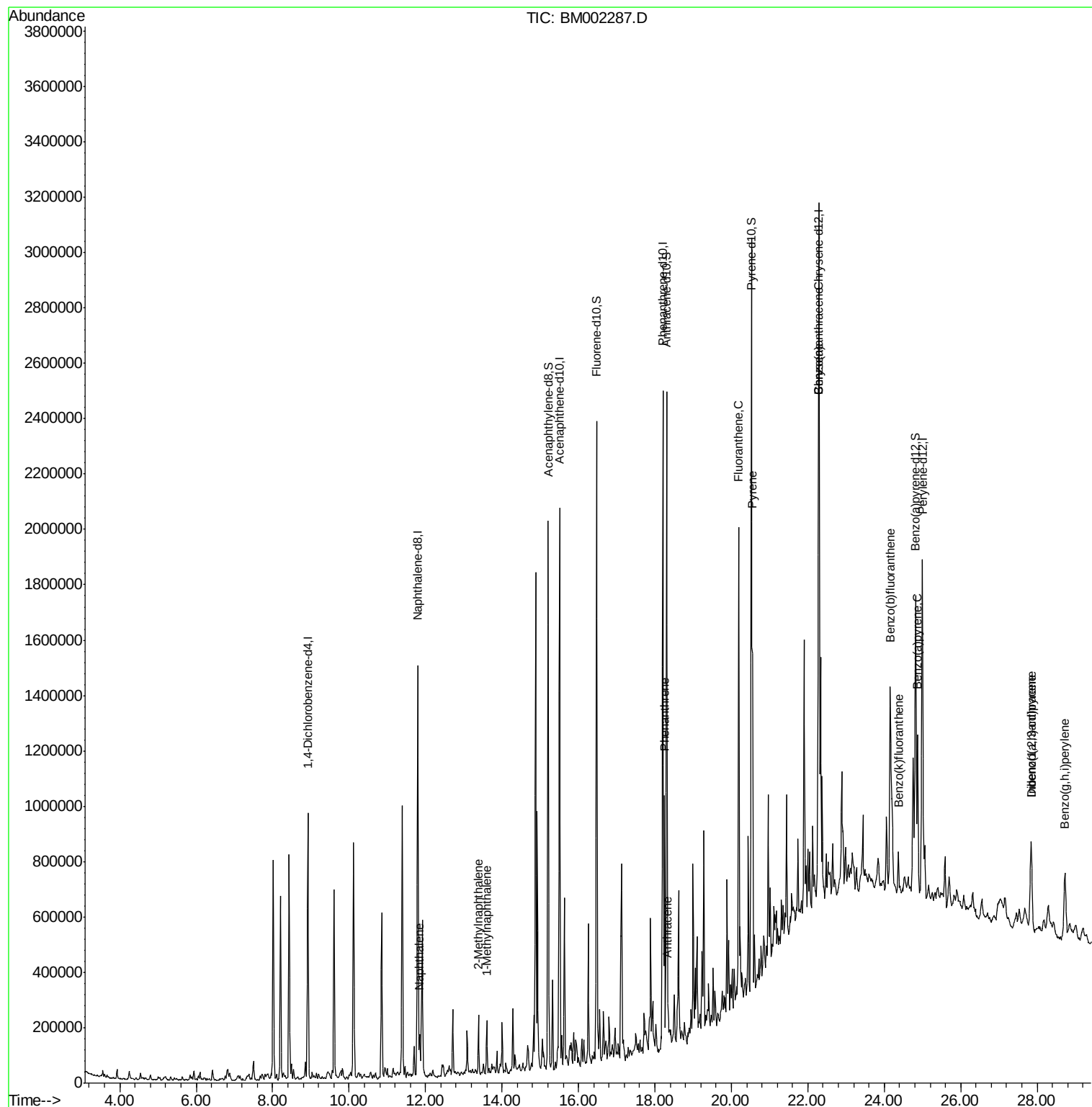
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	11.85	128	119735	1.74	ng/ul	99
4) 2-Methylnaphthalene	13.39	142	103234	2.10	ng/ul	98
5) 1-Methylnaphthalene	13.60	142	86092	1.78	ng/ul	99
13) Phenanthrene	18.25	178	543800	6.89	ng/ul	100
15) Anthracene	18.34	178	93355	1.14	ng/ul	99
16) Fluoranthene	20.19	202	1023541	11.71	ng/ul	97
19) Pyrene	20.55	202	854319	11.14	ng/ul	99
20) Benzo(a)anthracene	22.27	228	484544	6.69	ng/ul	98
21) Chrysene	22.27	228	481777	7.02	ng/ul	95
23) Benzo(b)fluoranthene	24.16	252	745556	11.95	ng/ul	98
24) Benzo(k)fluoranthene	24.37	252	94594	1.58	ng/ul#	85
26) Benzo(a)pyrene	24.87	252	449479	7.53	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	27.84	276	335840	4.91	ng/ul	94
28) Dibenzo(a,h)anthracene	27.84	278	92107	1.59	ng/ul#	80
29) Benzo(g,h,i)perylene	28.73	276	308743	5.35	ng/ul	98

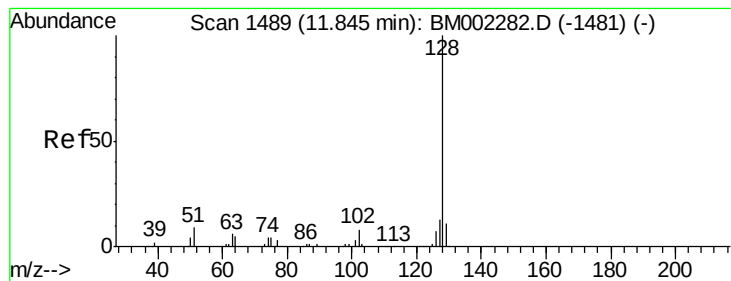
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.74 ng/ul

RT: 11.85 min Scan# 1489

Delta R.T. 0.00 min

Lab File: BM002287.D

Acq: 08 Aug 2015 21:55

Instrument :

BNA_M

ClientSampleId :

D9C59

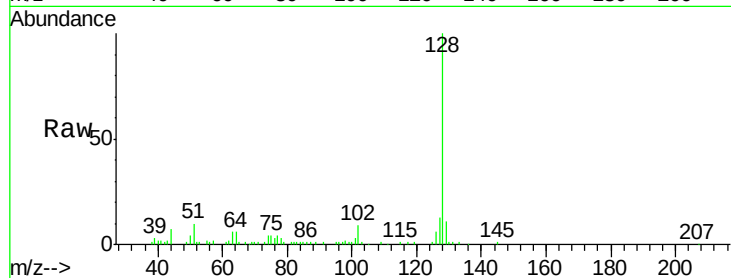
Tgt Ion:128 Resp: 119735

Ion Ratio Lower Upper

128 100

129 11.1 8.6 12.8

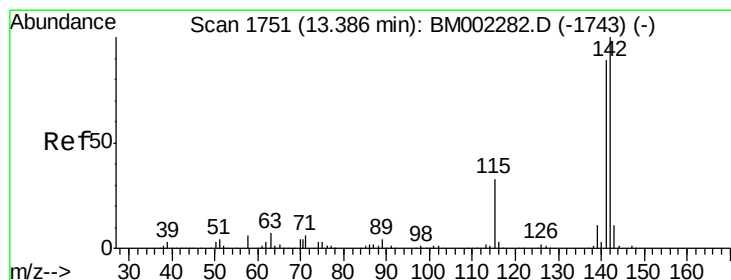
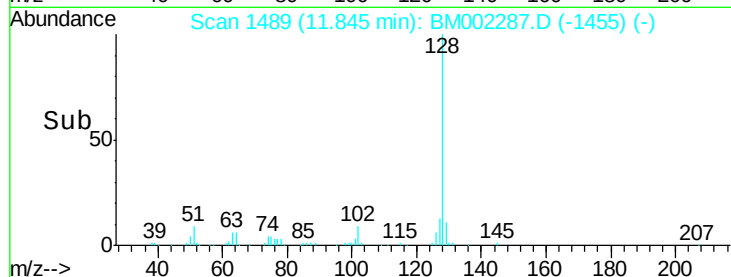
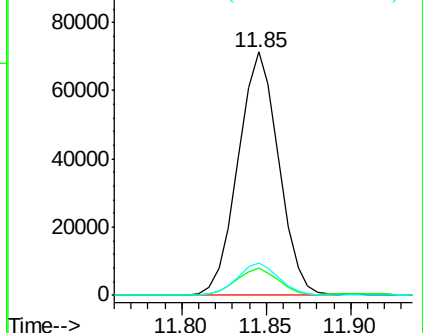
127 13.1 10.4 15.6



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: 2.10 ng/ul

RT: 13.39 min Scan# 1751

Delta R.T. 0.00 min

Lab File: BM002287.D

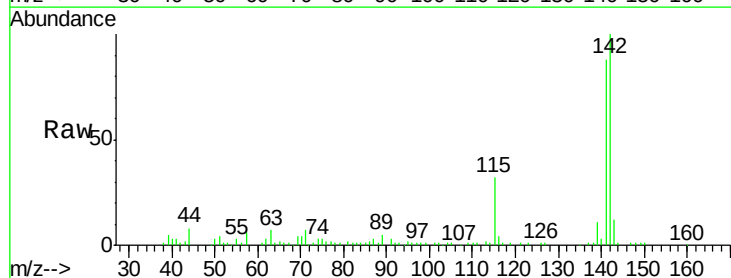
Acq: 08 Aug 2015 21:55

Tgt Ion:142 Resp: 103234

Ion Ratio Lower Upper

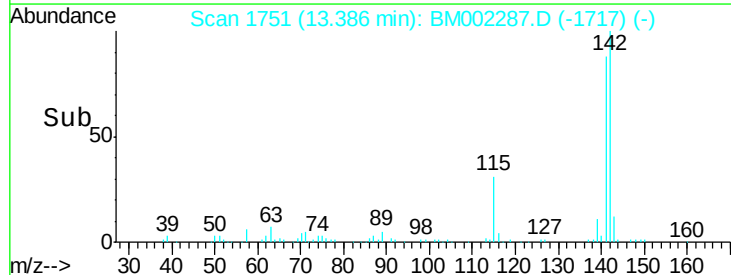
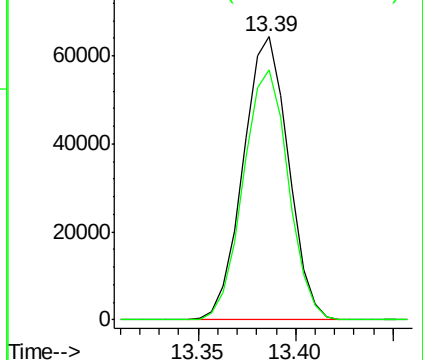
142 100

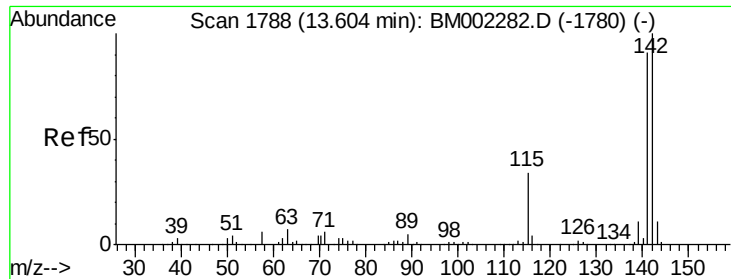
141 88.4 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 1.78 ng/ul

RT: 13.60 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BM002287.D

Acq: 08 Aug 2015 21:55

Instrument :

BNA_M

ClientSampleId :

D9C59

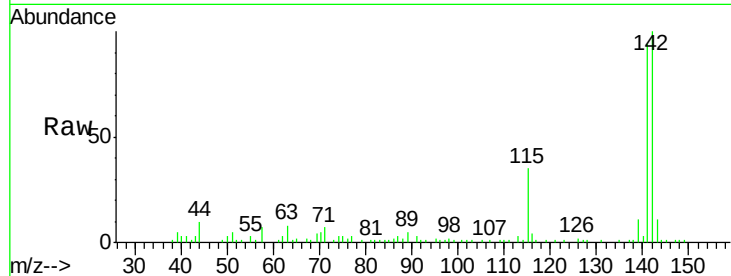
Tgt Ion:142 Resp: 86092

Ion Ratio Lower Upper

142 100

141 94.2 74.5 111.7

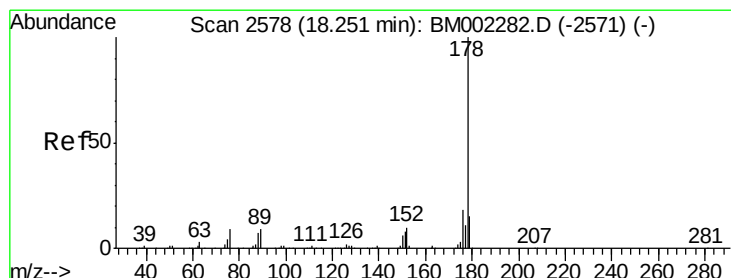
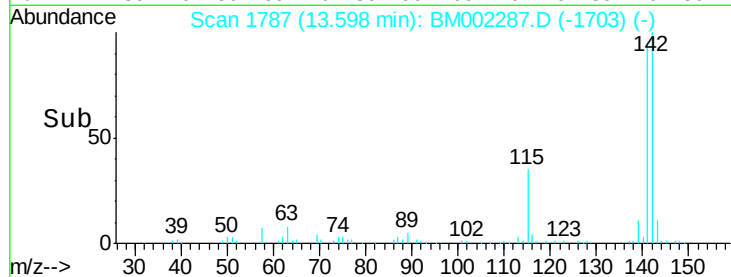
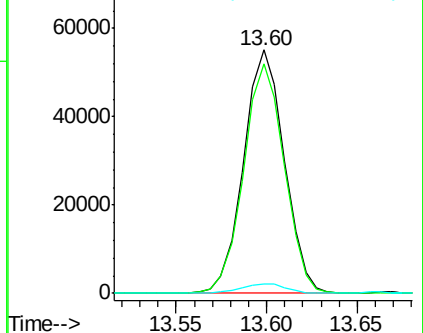
116 3.9 3.0 4.4



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: 6.89 ng/ul

RT: 18.25 min Scan# 2578

Delta R.T. 0.00 min

Lab File: BM002287.D

Acq: 08 Aug 2015 21:55

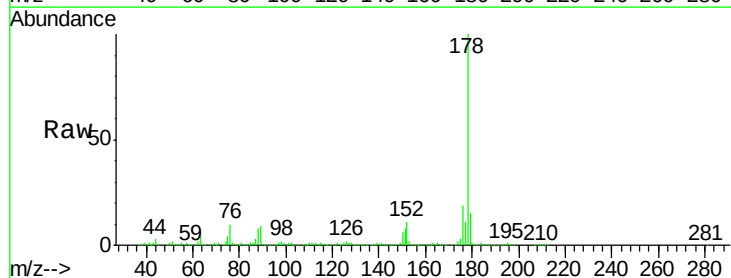
Tgt Ion:178 Resp: 543800

Ion Ratio Lower Upper

178 100

179 15.4 12.3 18.5

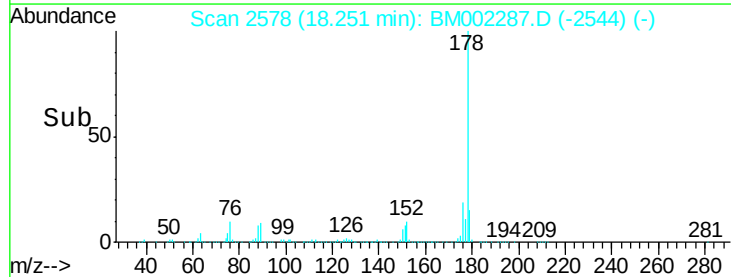
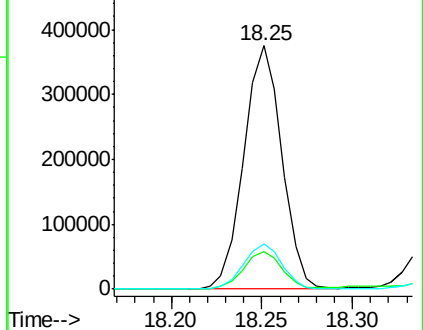
176 18.7 15.3 22.9

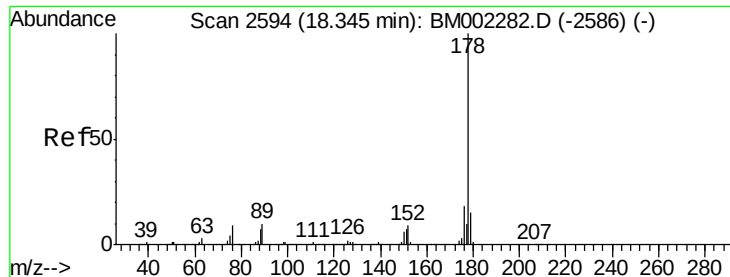


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

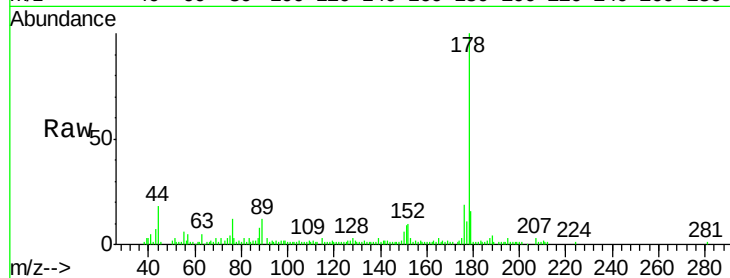




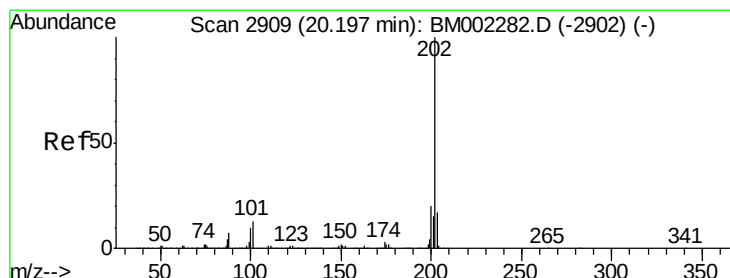
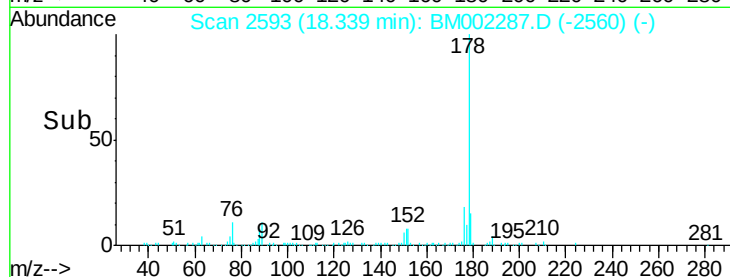
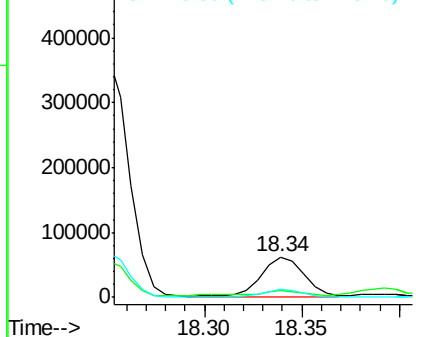
#15
 Anthracene
 Concen: 1.14 ng/ul
 RT: 18.34 min Scan# 2593
 Delta R.T. -0.01 min
 Lab File: BM002287.D
 Acq: 08 Aug 2015 21:55

Instrument :
 BNA_M
 ClientSampleId :
 D9C59

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.3	18.5
176	18.8	14.5	21.7

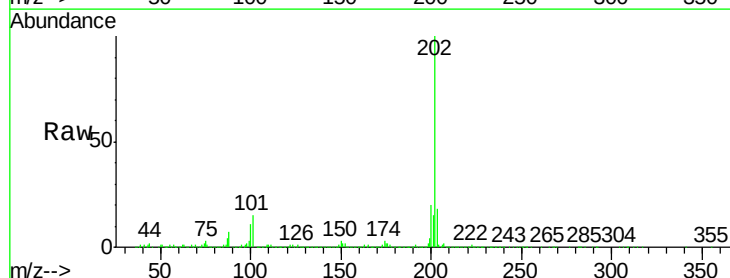


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

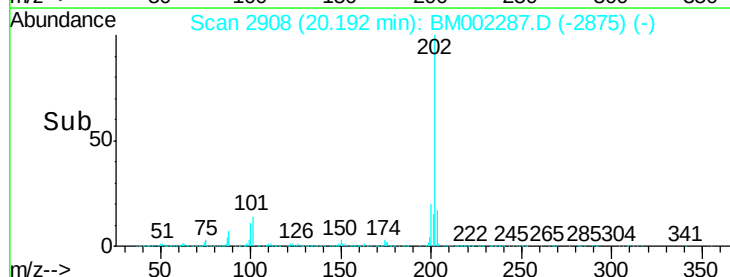
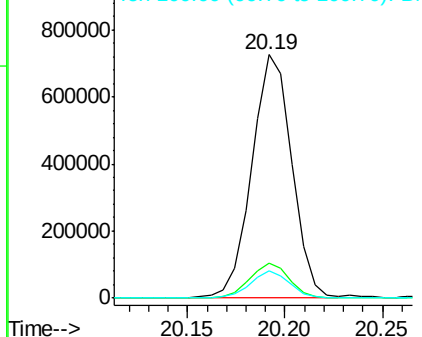


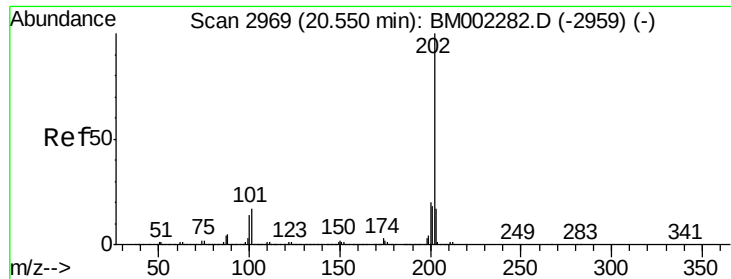
#16
 Fluoranthene
 Concen: 11.71 ng/ul
 RT: 20.19 min Scan# 2908
 Delta R.T. -0.01 min
 Lab File: BM002287.D
 Acq: 08 Aug 2015 21:55

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.6	10.6	15.8
100	11.0	8.2	12.4



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

Pyrene

Concen: 11.14 ng/ul

RT: 20.55 min Scan# 2969

Delta R.T. 0.00 min

Lab File: BM002287.D

Acq: 08 Aug 2015 21:55

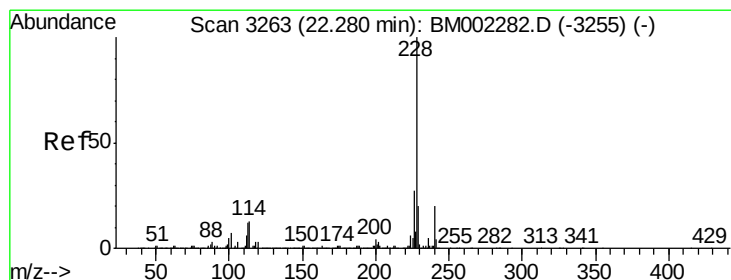
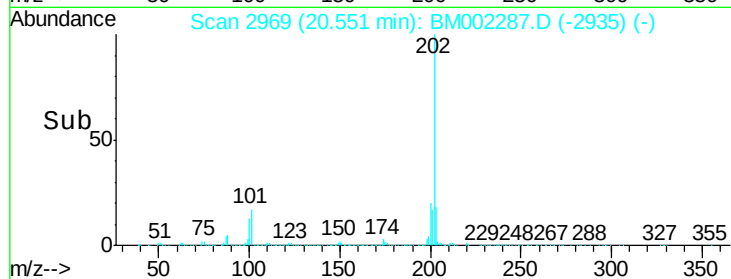
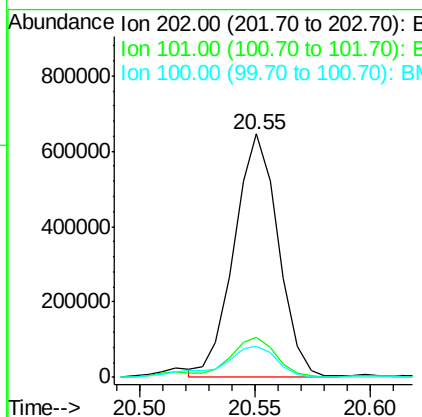
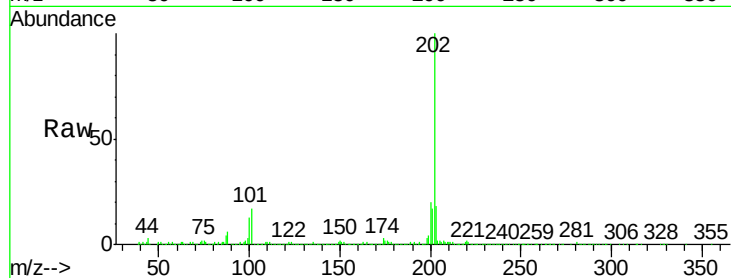
Instrument :

BNA_M

ClientSampleId :

D9C59

Tgt Ion:	202	Resp:	854319
Ion	Ratio	Lower	Upper
202	100		
101	16.6	13.0	19.6
100	13.0	11.0	16.4



#20

Benzo(a)anthracene

Concen: 6.69 ng/ul

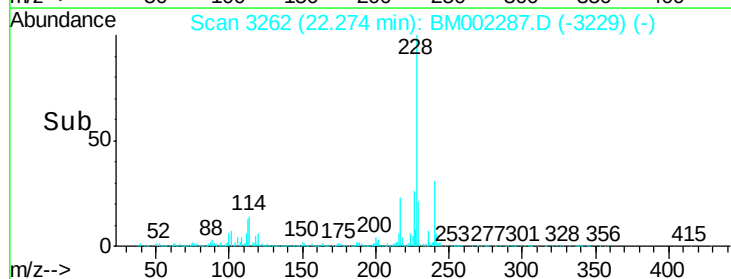
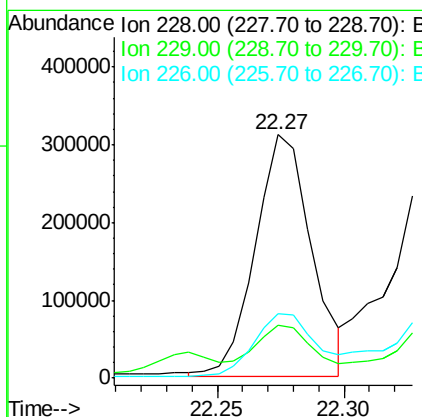
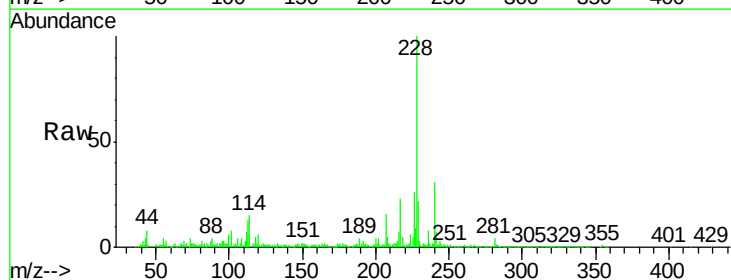
RT: 22.27 min Scan# 3262

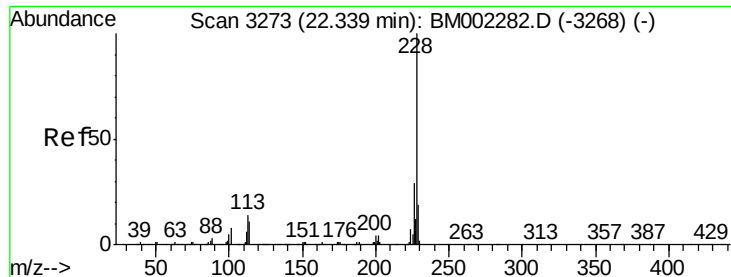
Delta R.T. -0.01 min

Lab File: BM002287.D

Acq: 08 Aug 2015 21:55

Tgt Ion:	228	Resp:	484544
Ion	Ratio	Lower	Upper
228	100		
229	21.8	15.7	23.5
226	26.4	21.4	32.0





#21

Chrysene

Concen: 7.02 ng/ul

RT: 22.27 min Scan# 3262

Delta R.T. -0.06 min

Lab File: BM002287.D

Acq: 08 Aug 2015 21:55

Instrument :

BNA_M

ClientSampleId :

D9C59

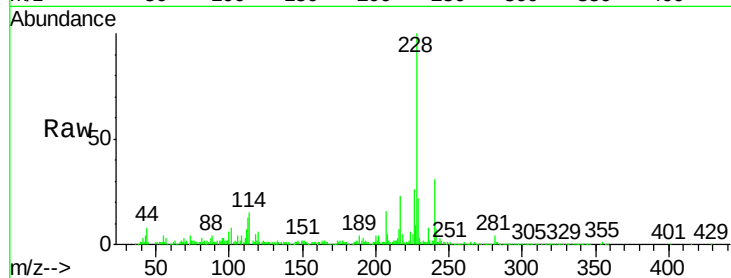
Tgt Ion: 228 Resp: 481777

Ion Ratio Lower Upper

228 100

226 26.4 23.4 35.0

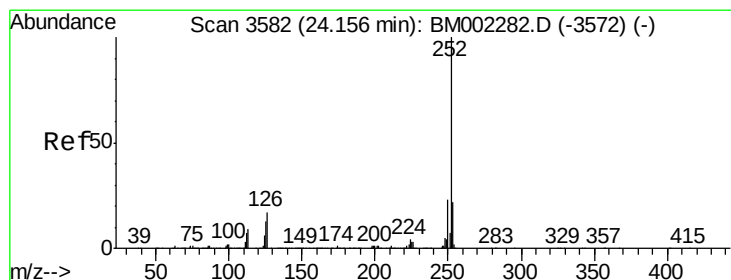
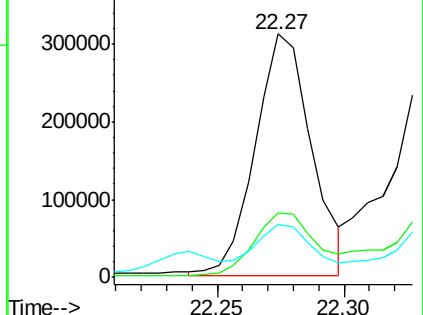
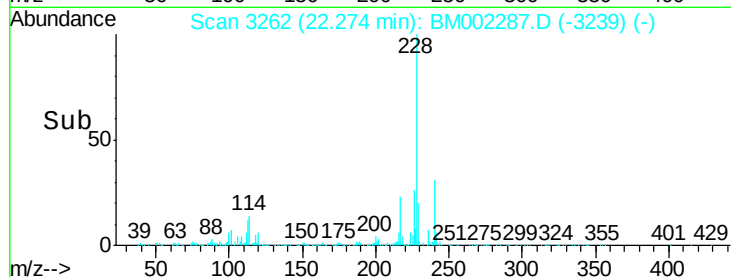
229 21.8 15.5 23.3



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: 11.95 ng/ul

RT: 24.16 min Scan# 3583

Delta R.T. 0.01 min

Lab File: BM002287.D

Acq: 08 Aug 2015 21:55

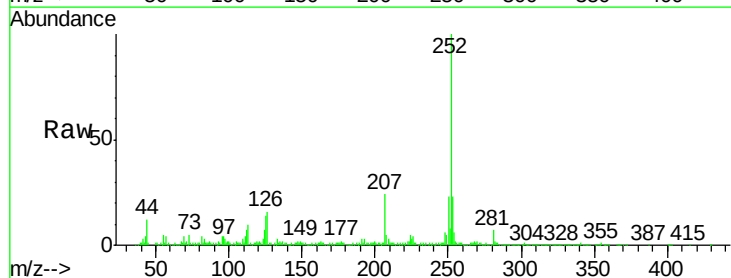
Tgt Ion: 252 Resp: 745556

Ion Ratio Lower Upper

252 100

253 23.1 17.9 26.9

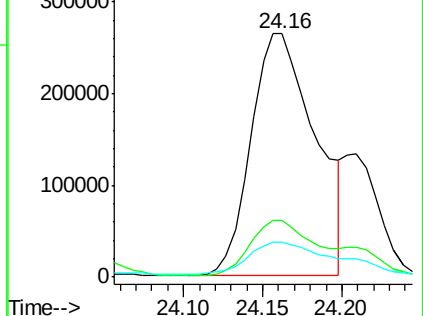
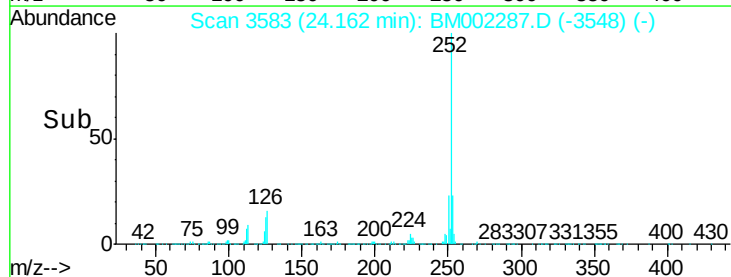
125 14.4 10.3 15.5

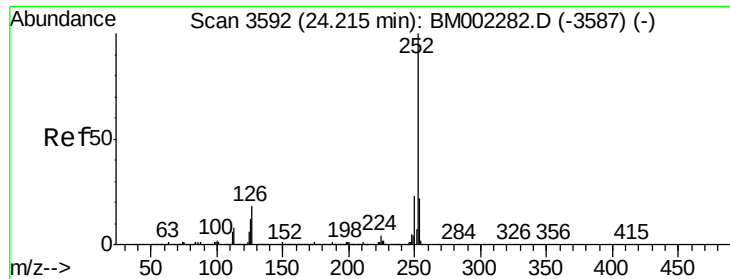


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 1.58 ng/ul

RT: 24.37 min Scan# 3618

Delta R.T. 0.15 min

Lab File: BM002287.D

Acq: 08 Aug 2015 21:55

Instrument :

BNA_M

ClientSampleId :

D9C59

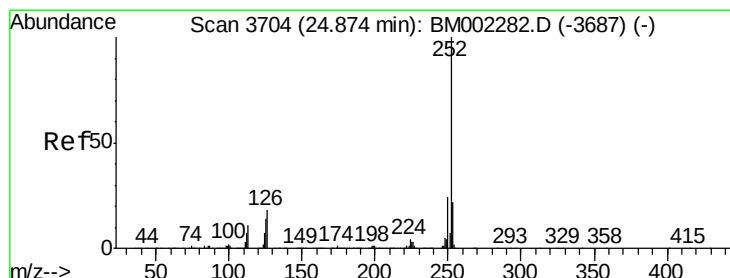
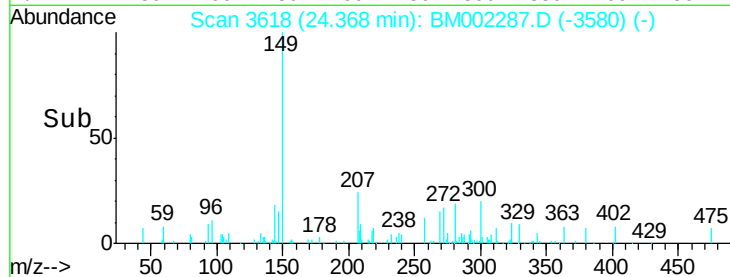
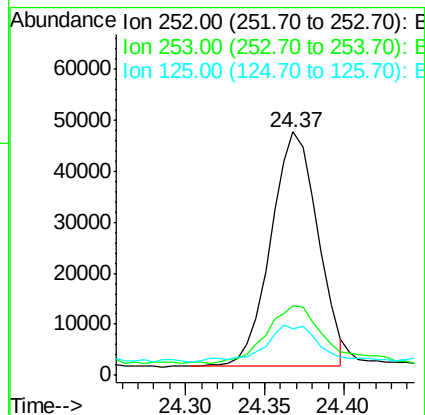
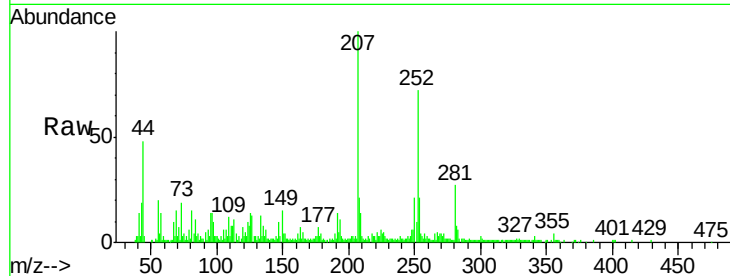
Tgt Ion:252 Resp: 94594

Ion Ratio Lower Upper

252 100

253 28.4 17.3 25.9#

125 19.3 10.2 15.4#



#26

Benzo(a)pyrene

Concen: 7.53 ng/ul

RT: 24.87 min Scan# 3704

Delta R.T. 0.00 min

Lab File: BM002287.D

Acq: 08 Aug 2015 21:55

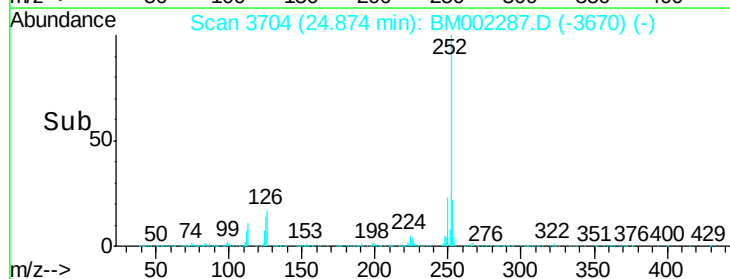
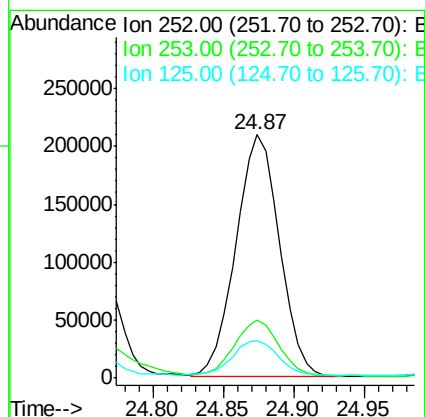
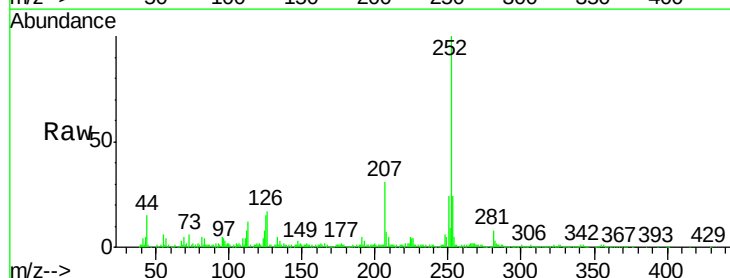
Tgt Ion:252 Resp: 449479

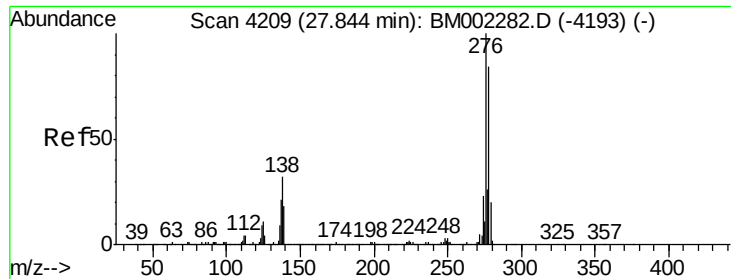
Ion Ratio Lower Upper

252 100

253 23.9 17.3 25.9

125 15.3 11.0 16.6





#27

Indeno(1,2,3-cd)pyrene

Concen: 4.91 ng/ul

RT: 27.84 min Scan# 4208

Delta R.T. -0.01 min

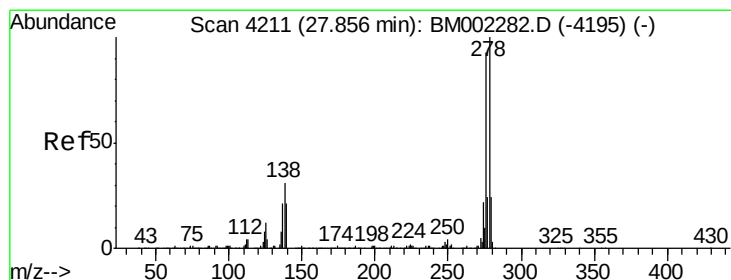
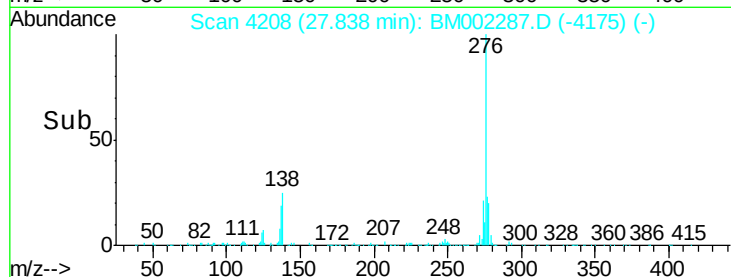
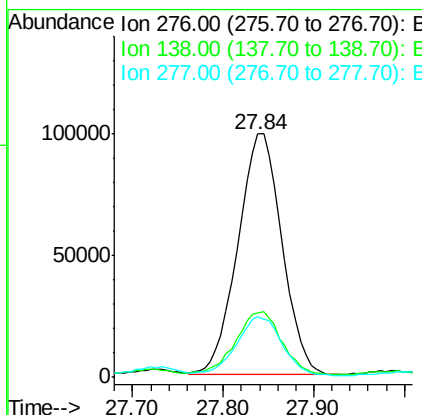
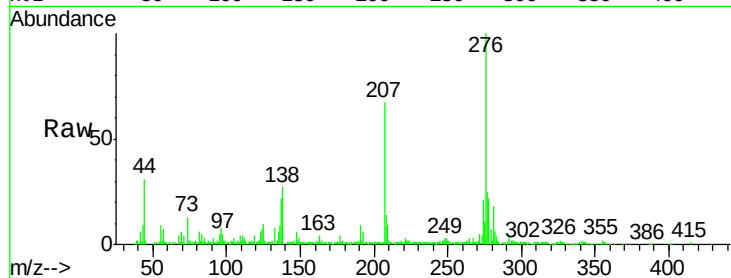
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Acq: 08 Aug 2015 21:55

Instrument :
BNA_M
ClientSampleId :
D9C59

Tgt Ion: 276 Resp: 335840

Ion	Ratio	Lower	Upper
276	100		
138	26.6	25.6	38.4
277	25.0	21.0	31.4



#28

Dibenzo(a,h)anthracene

Concen: 1.59 ng/ul

RT: 27.84 min Scan# 4209

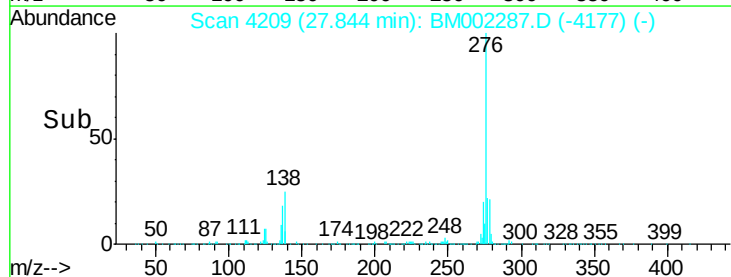
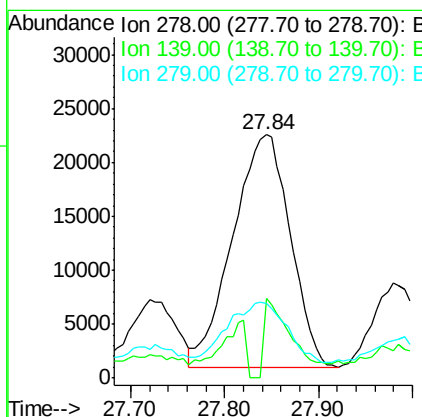
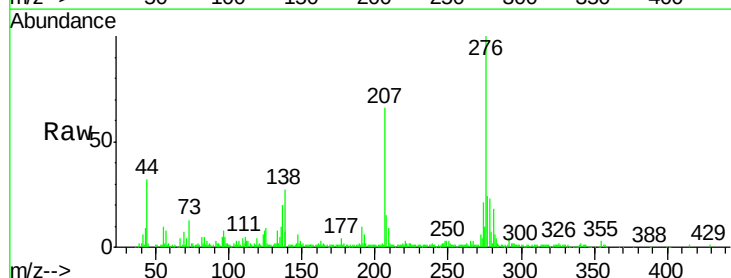
Delta R.T. -0.01 min

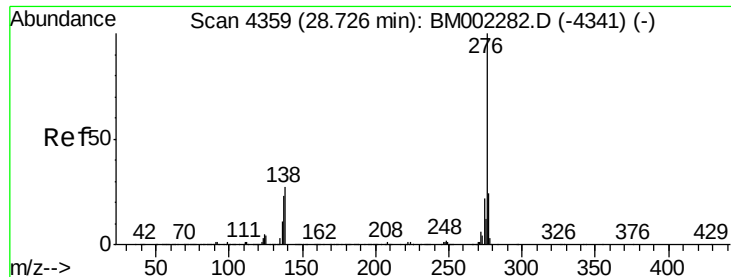
Lab File: BM002287.D

Acq: 08 Aug 2015 21:55

Tgt Ion: 278 Resp: 92107

Ion	Ratio	Lower	Upper
278	100		
139	32.8	16.4	24.6#
279	30.4	18.8	28.2#





#29

Benzo(g,h,i)perylene

Concen: 5.35 ng/ul

RT: 28.73 min Scan# 4359

Delta R.T. 0.00 min

Lab File: BM002287.D

Acq: 08 Aug 2015 21:55

Instrument :

BNA_M

ClientSampleId :

D9C59

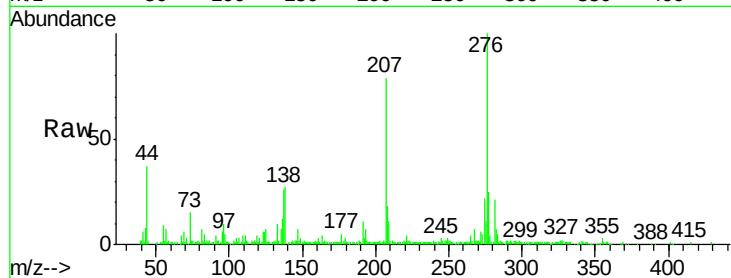
Tgt Ion: 276 Resp: 308743

Ion Ratio Lower Upper

276 100

138 26.5 20.5 30.7

277 24.7 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

