

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080715\
 Data File : BM002294.D
 Acq On : 09 Aug 2015 02:09
 Operator : TP/UM
 Sample : G3126-02RE
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9D08RE

Quant Time: Aug 09 06:19:13 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	374150	20.00	ng/ul	0.00
2) Naphthalene-d8	11.80	136	1763706	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.50	164	898728	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.21	188	1780842	20.00	ng/ul	0.00
17) Chrysene-d12	22.30	240	1297878	20.00	ng/ul	0.00
22) Perylene-d12	25.00	264	1100301	20.00	ng/ul	0.01

System Monitoring Compounds						
7) Acenaphthylene-d8	15.20	160	1006164	10.81	ng/ul	0.00
10) Fluorene-d10	16.47	176	654647	10.11	ng/ul	0.00
14) Anthracene-d10	18.31	188	909252	10.52	ng/ul	0.00
18) Pyrene-d10	20.53	212	809999	12.87	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.83	264	596268	10.21	ng/ul	0.00

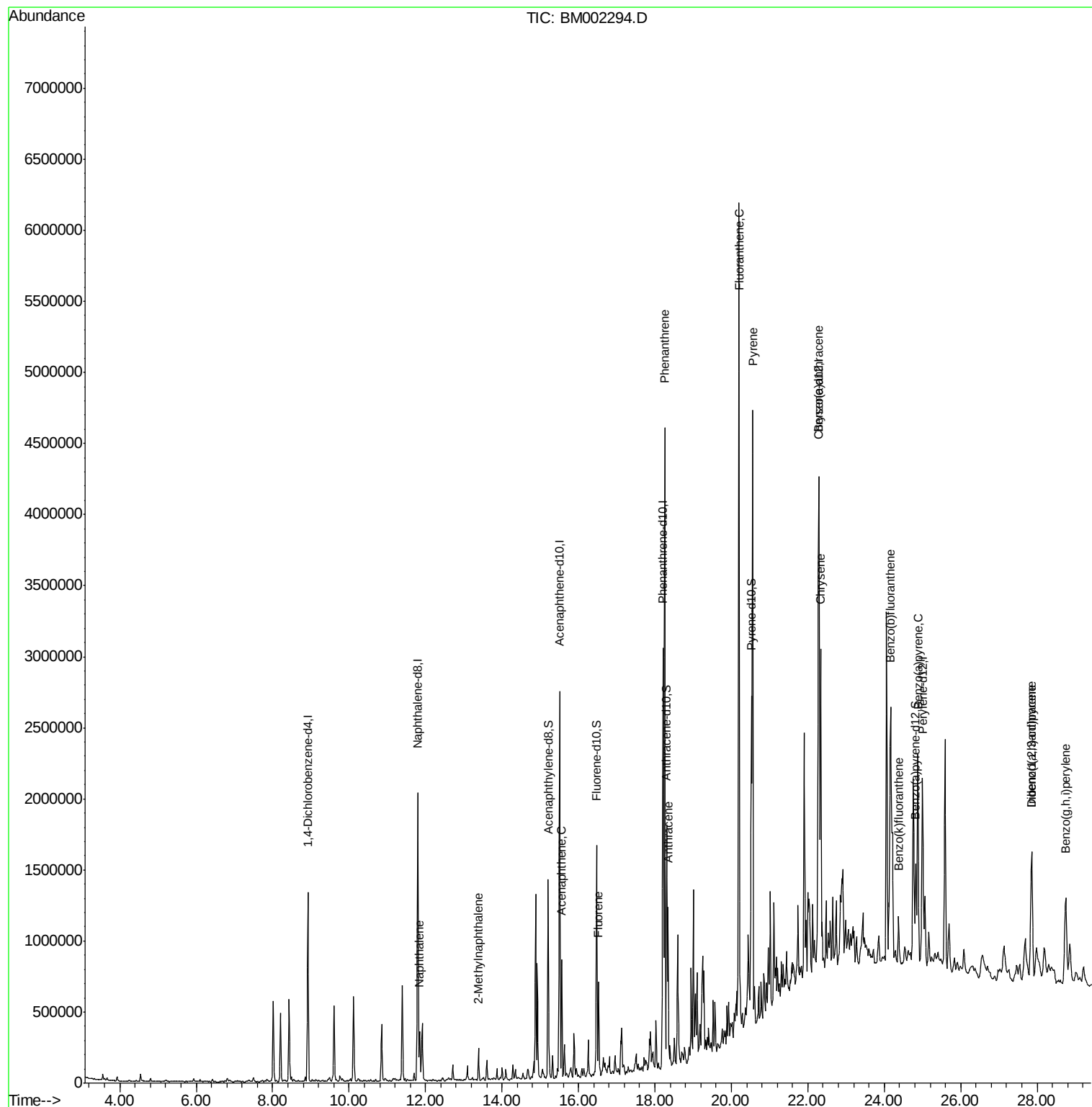
Target Compounds				Qvalue		
3) Naphthalene	11.85	128	285599	3.08	ng/ul	100
4) 2-Methylnaphthalene	13.39	142	104109	1.57	ng/ul	98
9) Acenaphthene	15.56	153	330786	5.09	ng/ul	98
11) Fluorene	16.53	166	293598	4.01	ng/ul	100
13) Phenanthrene	18.26	178	2697484	26.32	ng/ul	100
15) Anthracene	18.34	178	714993	6.75	ng/ul	100
16) Fluoranthene	20.20	202	3457356	30.46	ng/ul	96
19) Pyrene	20.56	202	2548685	30.38	ng/ul	99
20) Benzo(a)anthracene	22.28	228	1492483	18.84	ng/ul	98
21) Chrysene	22.34	228	1365962	18.19	ng/ul	97
23) Benzo(b)fluoranthene	24.17	252	1905935	27.87	ng/ul	98
24) Benzo(k)fluoranthene	24.37	252	237060	3.61	ng/ul#	86
26) Benzo(a)pyrene	24.88	252	1178974	18.02	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	27.86	276	870150	11.60	ng/ul	94
28) Dibenzo(a,h)anthracene	27.86	278	255731	4.02	ng/ul#	83
29) Benzo(g,h,i)perylene	28.75	276	819316	12.95	ng/ul	97

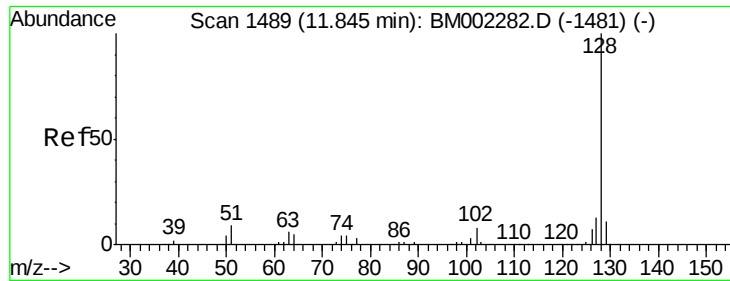
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 3.08 ng/ul

RT: 11.85 min Scan# 1489

Delta R.T. 0.00 min

Lab File: BM002294.D

Acq: 09 Aug 2015 02:09

Instrument :

BNA_M

ClientSampleId :

D9D08RE

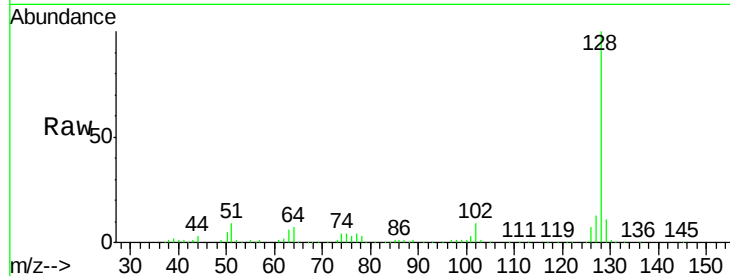
Tgt Ion:128 Resp: 285599

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

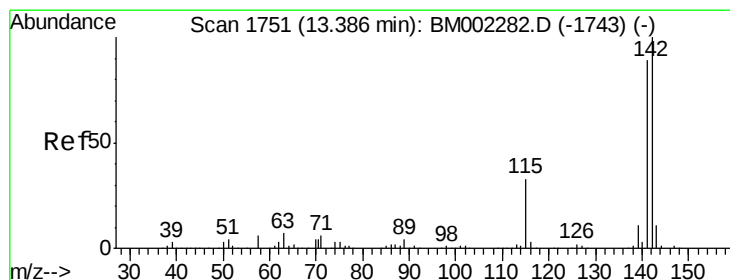
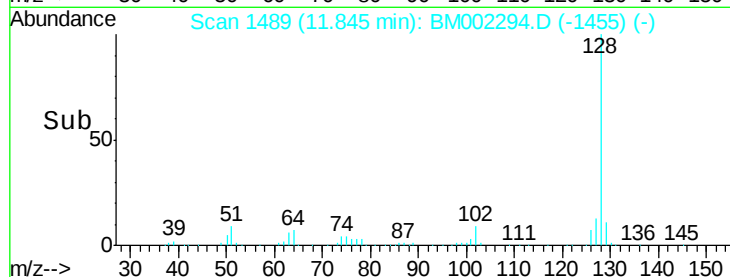
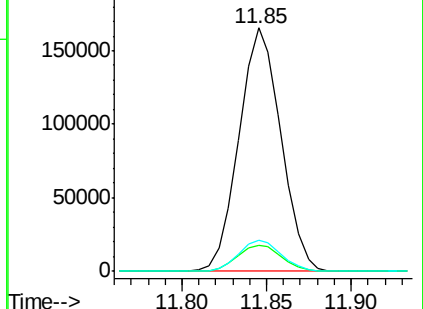
127 12.7 10.4 15.6



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



#4

2-Methylnaphthalene

Concen: 1.57 ng/ul

RT: 13.39 min Scan# 1751

Delta R.T. 0.00 min

Lab File: BM002294.D

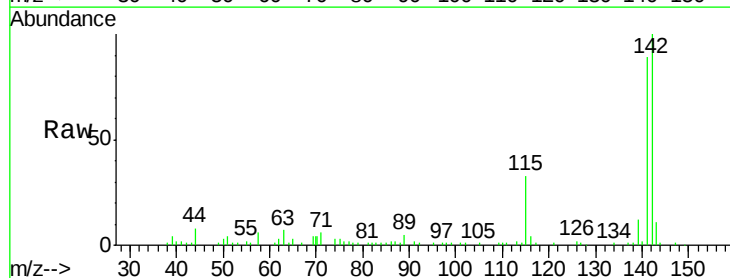
Acq: 09 Aug 2015 02:09

Tgt Ion:142 Resp: 104109

Ion Ratio Lower Upper

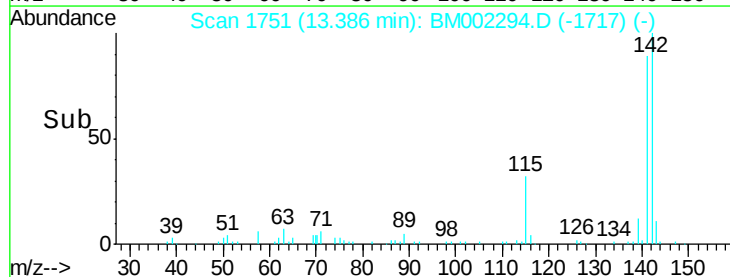
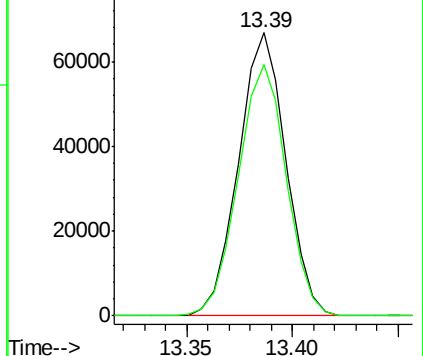
142 100

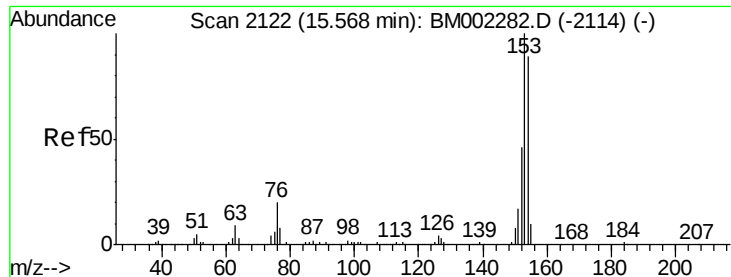
141 88.7 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthene

Concen: 5.09 ng/ul

RT: 15.56 min Scan# 2121

Delta R.T. -0.01 min

Lab File: BM002294.D

Acq: 09 Aug 2015 02:09

Instrument :

BNA_M

ClientSampleId :

D9D08RE

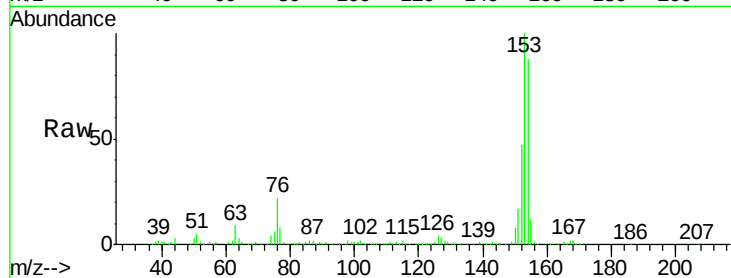
Tgt Ion:153 Resp: 330786

Ion Ratio Lower Upper

153 100

152 47.0 36.6 55.0

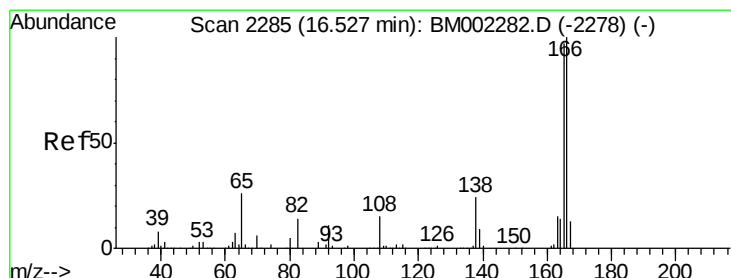
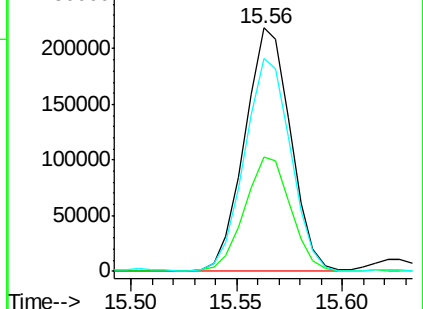
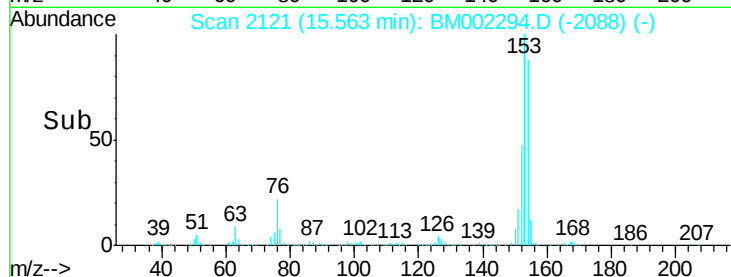
154 87.5 71.5 107.3



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: 4.01 ng/ul

RT: 16.53 min Scan# 2285

Delta R.T. 0.00 min

Lab File: BM002294.D

Acq: 09 Aug 2015 02:09

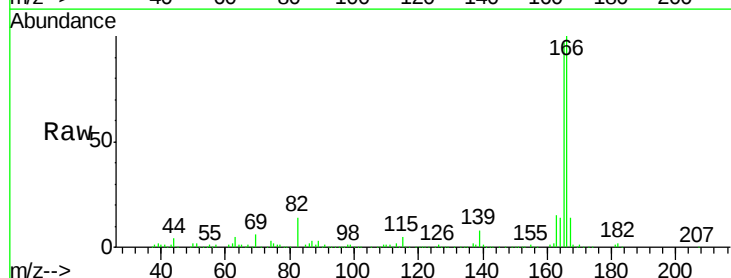
Tgt Ion:166 Resp: 293598

Ion Ratio Lower Upper

166 100

165 96.9 77.5 116.3

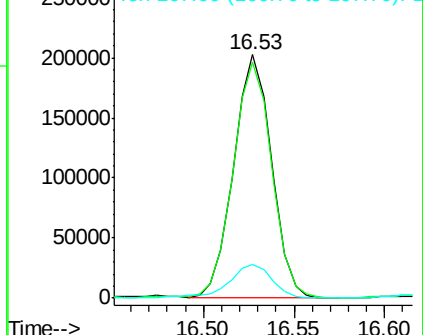
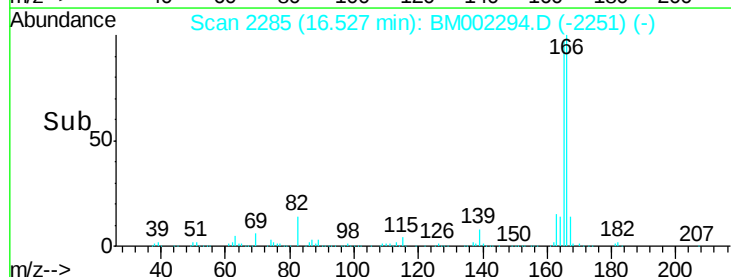
167 13.8 10.4 15.6

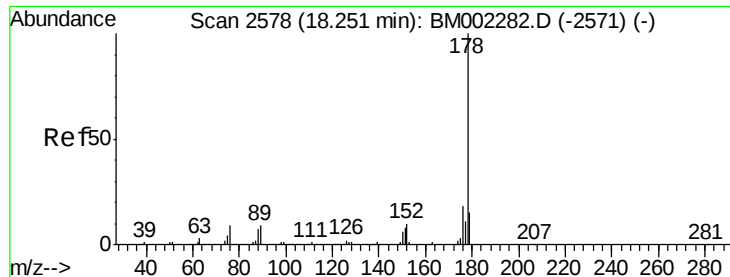


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 26.32 ng/ul

RT: 18.26 min Scan# 2579

Delta R.T. 0.01 min

Lab File: BM002294.D

Acq: 09 Aug 2015 02:09

Instrument :

BNA_M

ClientSampleId :

D9D08RE

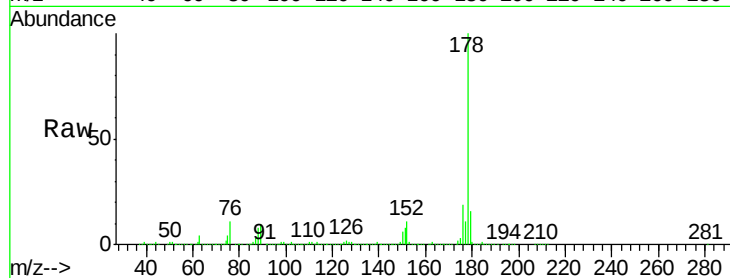
Tgt Ion:178 Resp: 2697484

Ion Ratio Lower Upper

178 100

179 15.5 12.3 18.5

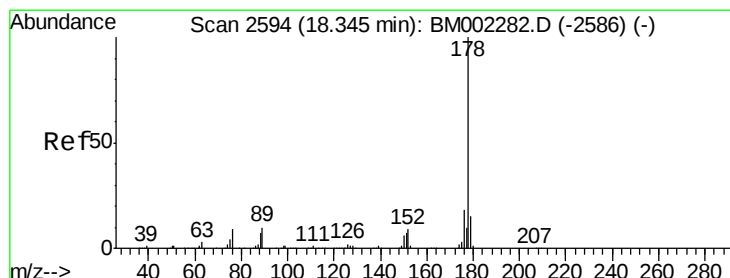
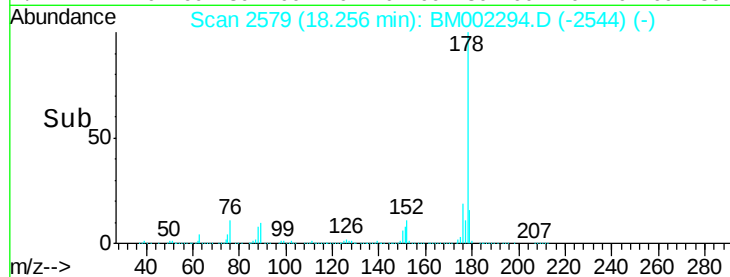
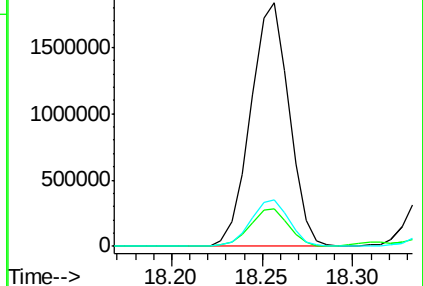
176 19.1 15.3 22.9



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: 6.75 ng/ul

RT: 18.34 min Scan# 2594

Delta R.T. 0.00 min

Lab File: BM002294.D

Acq: 09 Aug 2015 02:09

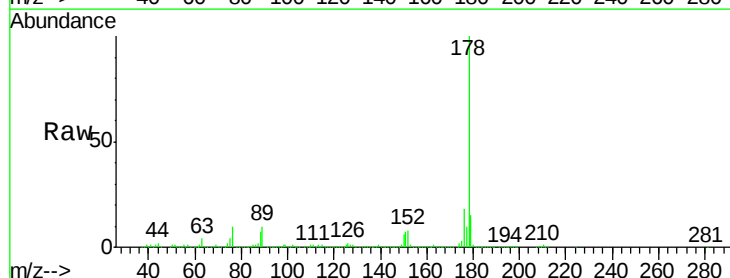
Tgt Ion:178 Resp: 714993

Ion Ratio Lower Upper

178 100

179 15.1 12.3 18.5

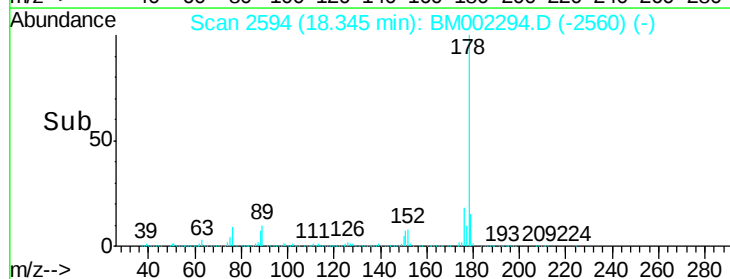
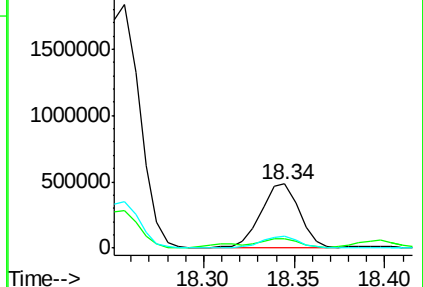
176 18.0 14.5 21.7

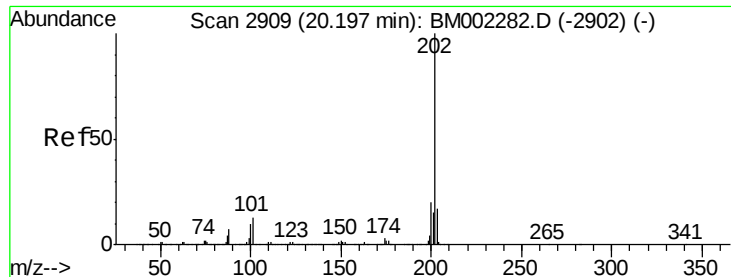


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

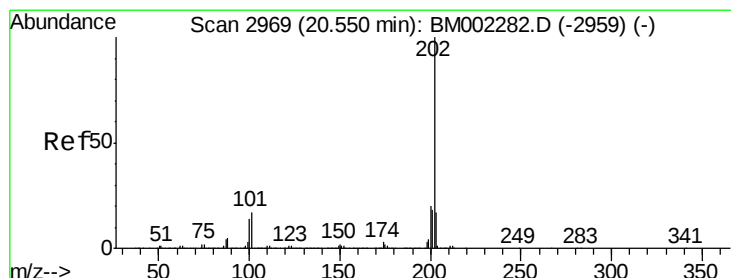
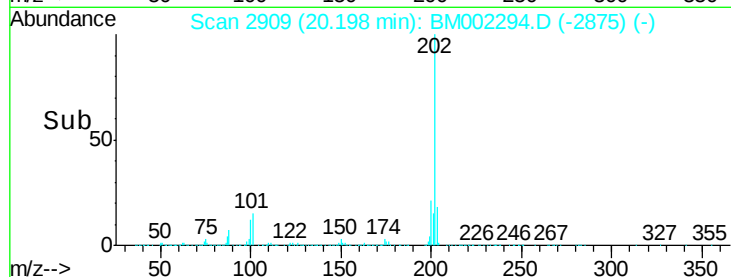
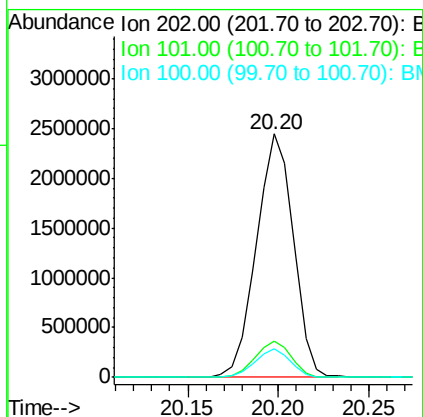
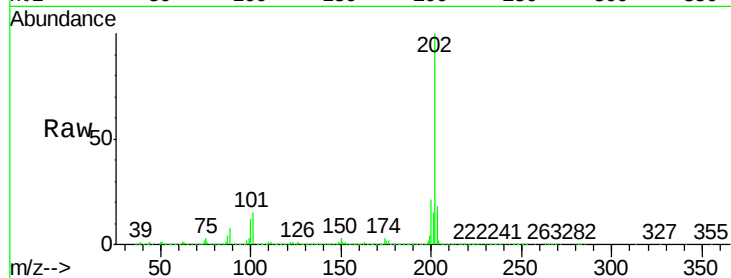




#16
 Fluoranthene
 Concen: 30.46 ng/ul
 RT: 20.20 min Scan# 2909
 Delta R.T. 0.00 min
 Lab File: BM002294.D
 Acq: 09 Aug 2015 02:09

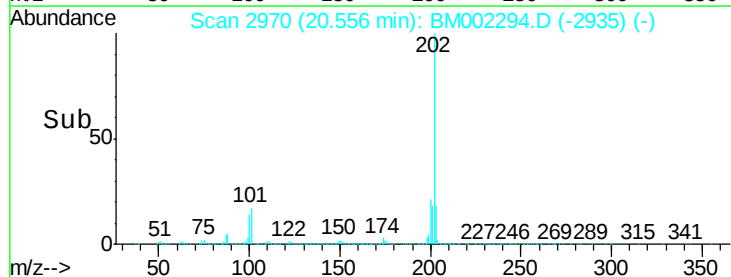
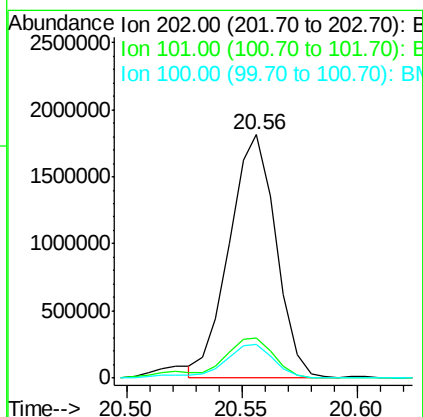
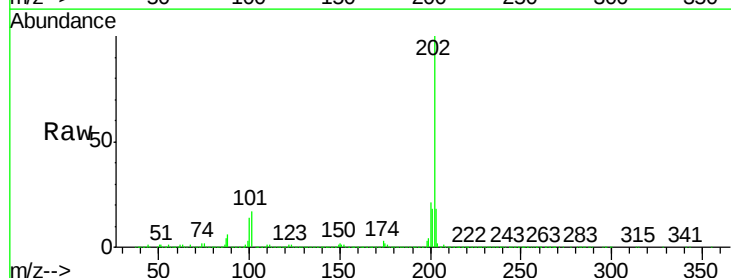
Instrument :
 BNA_M
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 D9D08RE

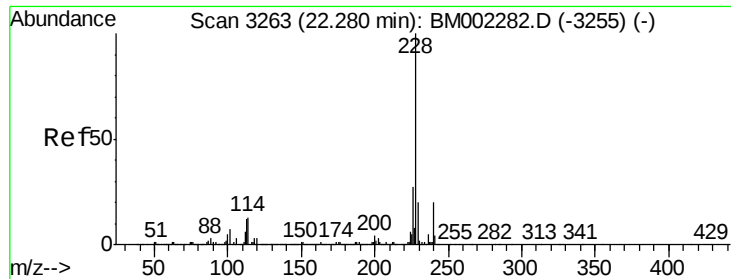
Tgt Ion:202 Resp: 3457356
 Ion Ratio Lower Upper
 202 100
 101 14.8 10.6 15.8
 100 11.6 8.2 12.4



#19
 Pyrene
 Concen: 30.38 ng/ul
 RT: 20.56 min Scan# 2970
 Delta R.T. 0.01 min
 Lab File: BM002294.D
 Acq: 09 Aug 2015 02:09

Tgt Ion:202 Resp: 2548685
 Ion Ratio Lower Upper
 202 100
 101 16.7 13.0 19.6
 100 13.8 11.0 16.4





#20

Benzo(a)anthracene

Concen: 18.84 ng/ul

RT: 22.28 min Scan# 3263

Delta R.T. 0.00 min

Lab File: BM002294.D

Acq: 09 Aug 2015 02:09

Instrument :

BNA_M

ClientSampleId :

D9D08RE

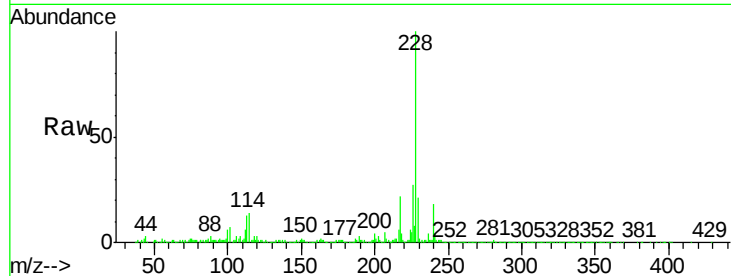
Tgt Ion:228 Resp: 1492483

Ion Ratio Lower Upper

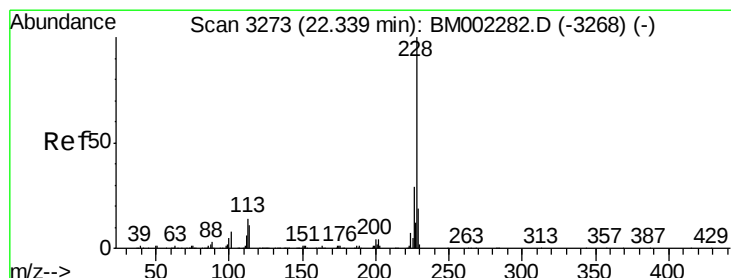
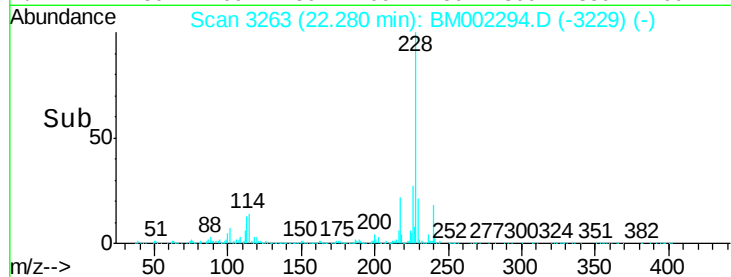
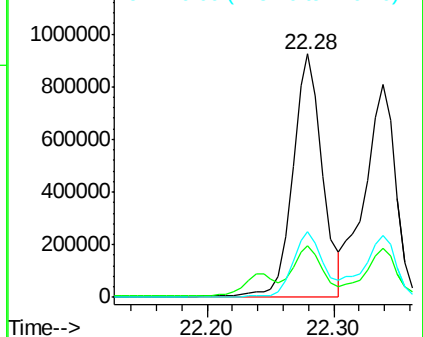
228 100

229 21.3 15.7 23.5

226 27.0 21.4 32.0



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: 18.19 ng/ul

RT: 22.34 min Scan# 3273

Delta R.T. 0.00 min

Lab File: BM002294.D

Acq: 09 Aug 2015 02:09

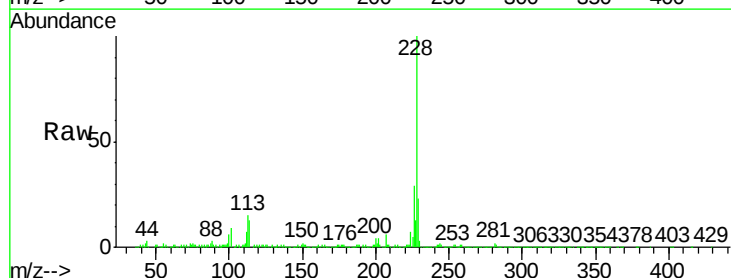
Tgt Ion:228 Resp: 1365962

Ion Ratio Lower Upper

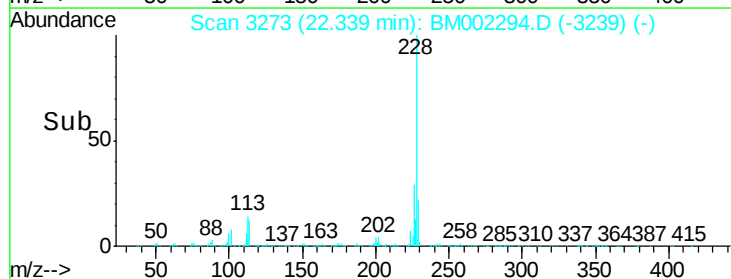
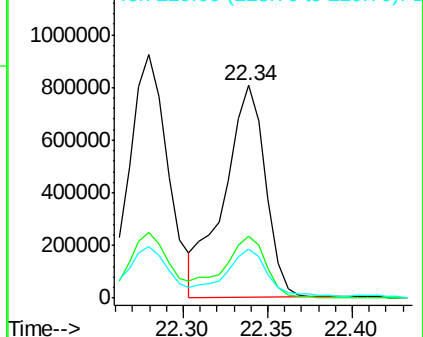
228 100

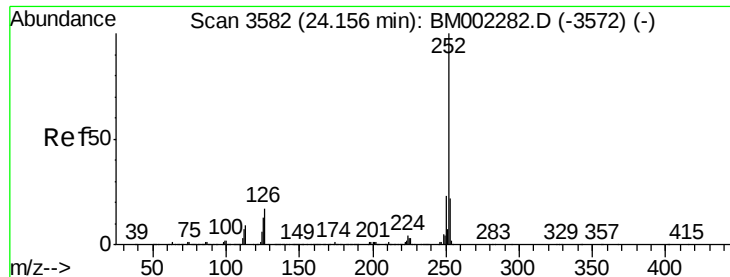
226 29.2 23.4 35.0

229 23.0 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: 27.87 ng/ul

RT: 24.17 min Scan# 3584

Delta R.T. 0.01 min

Lab File: BM002294.D

Acq: 09 Aug 2015 02:09

Instrument :

BNA_M

ClientSampleId :

D9D08RE

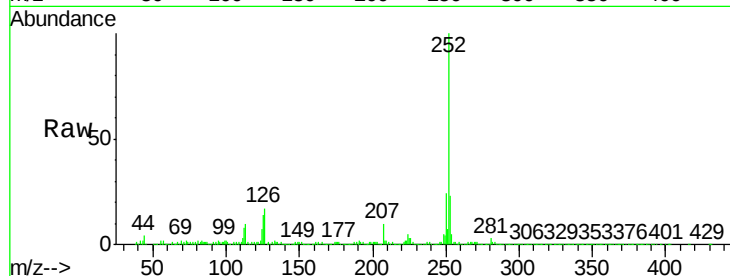
Tgt Ion:252 Resp: 1905935

Ion Ratio Lower Upper

252 100

253 23.0 17.9 26.9

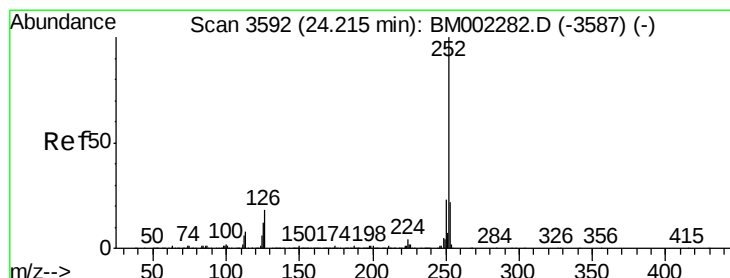
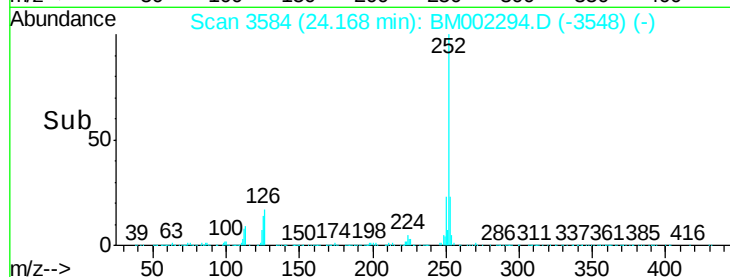
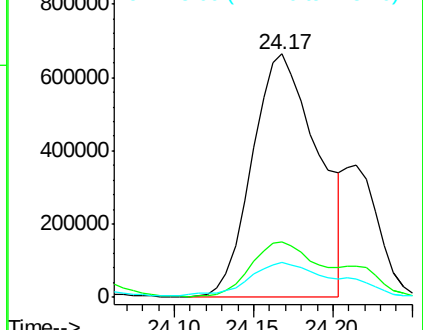
125 14.5 10.3 15.5



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: 3.61 ng/ul

RT: 24.37 min Scan# 3619

Delta R.T. 0.16 min

Lab File: BM002294.D

Acq: 09 Aug 2015 02:09

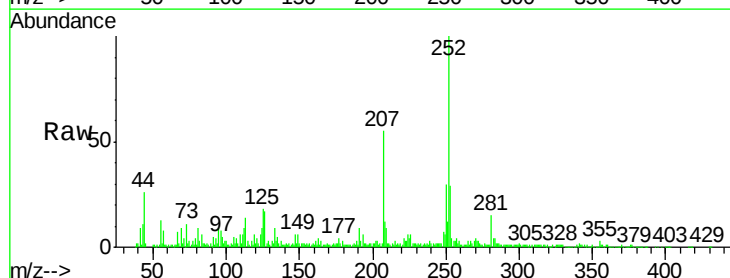
Tgt Ion:252 Resp: 237060

Ion Ratio Lower Upper

252 100

253 28.6 17.3 25.9#

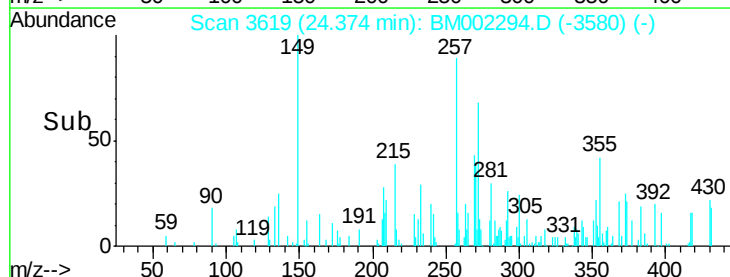
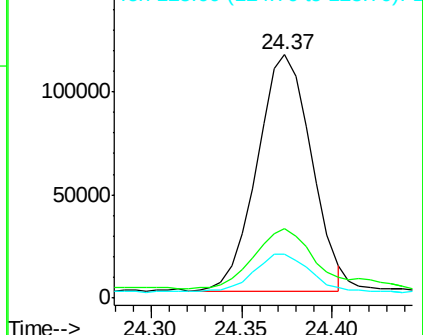
125 18.0 10.2 15.4#

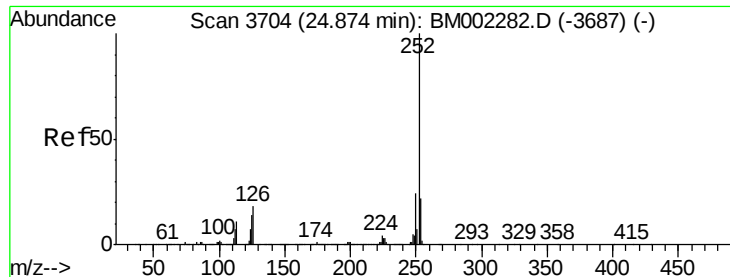


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 18.02 ng/ul

RT: 24.88 min Scan# 3705

Delta R.T. 0.01 min

Lab File: BM002294.D

Acq: 09 Aug 2015 02:09

Instrument :

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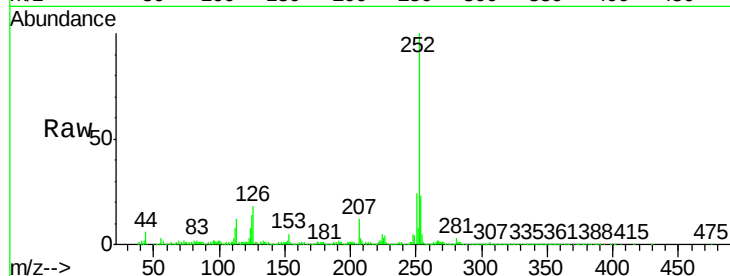
Tgt Ion:252 Resp: 1178974

Ion Ratio Lower Upper

252 100

253 22.6 17.3 25.9

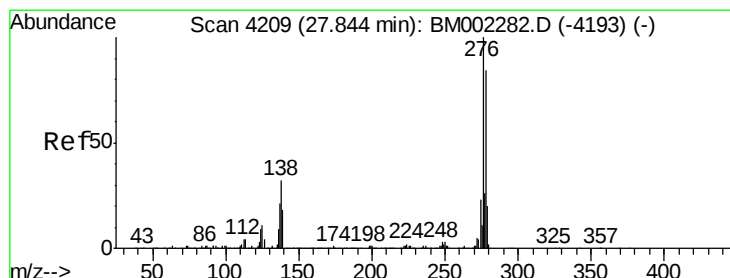
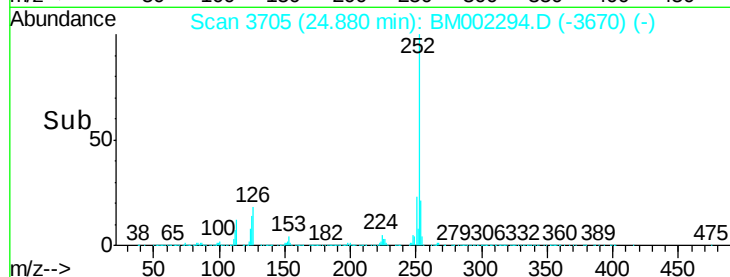
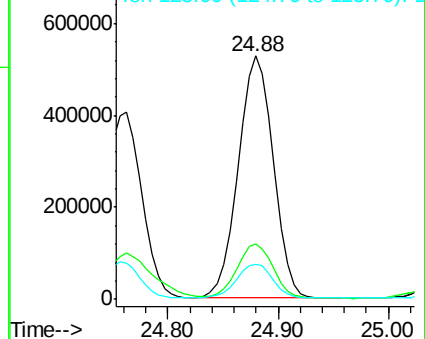
125 14.5 11.0 16.6



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: 11.60 ng/ul

RT: 27.86 min Scan# 4211

Delta R.T. 0.01 min

Lab File: BM002294.D

Acq: 09 Aug 2015 02:09

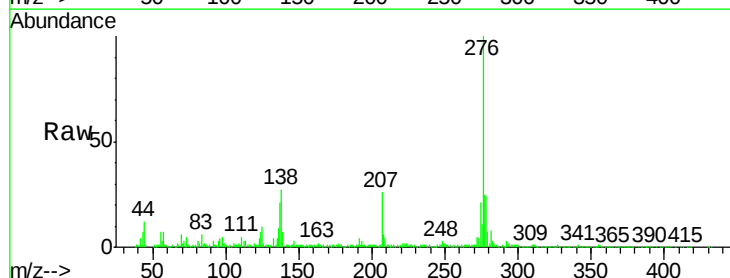
Tgt Ion:276 Resp: 870150

Ion Ratio Lower Upper

276 100

138 27.3 25.6 38.4

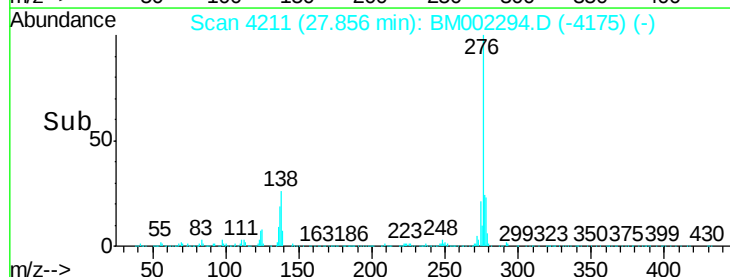
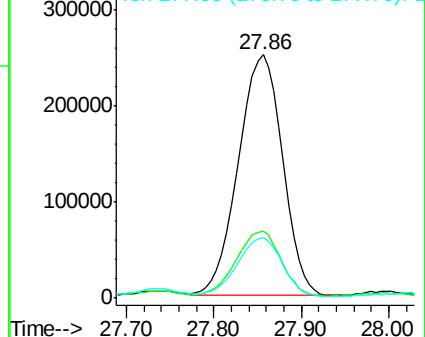
277 25.0 21.0 31.4

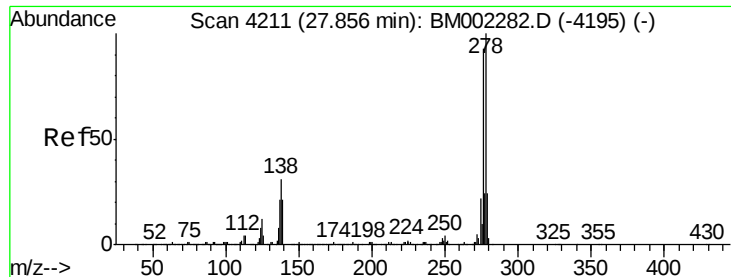


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



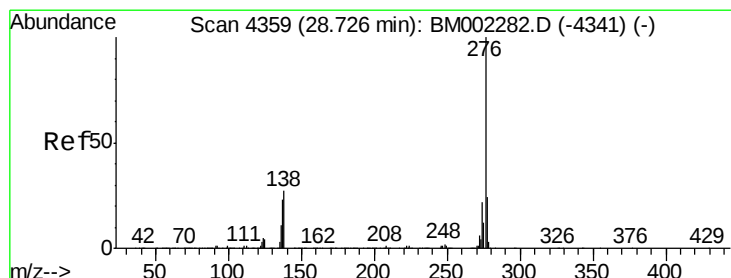
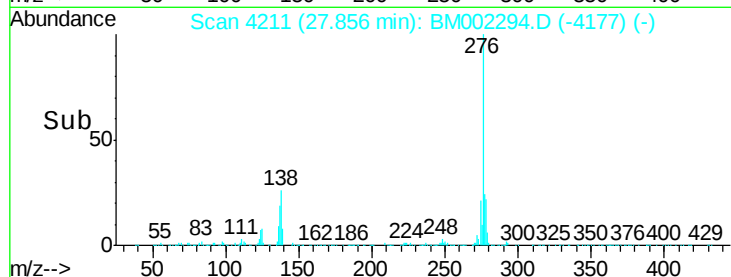
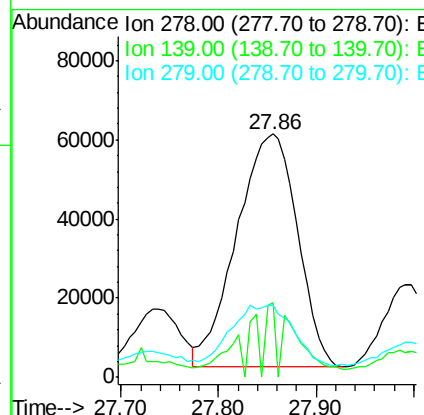
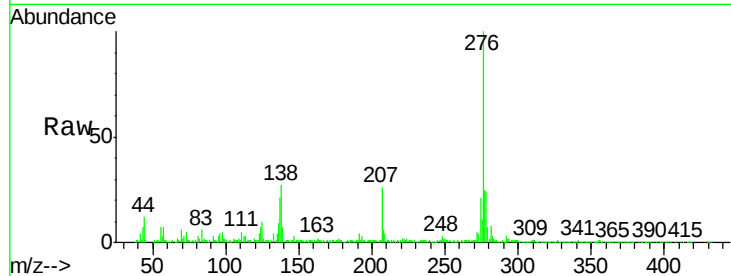


#28
Dibenzo(a,h)anthracene
Concen: 4.02 ng/ul
RT: 27.86 min Scan# 4211
Delta R.T. 0.00 min
Lab File: BM002294.D
Acq: 09 Aug 2015 02:09

Instrument :
BNA_M
ClientSampleId :
D9D08RE

Tgt Ion: 278 Resp: 255731

Ion	Ratio	Lower	Upper
278	100		
139	30.8	16.4	24.6#
279	29.4	18.8	28.2#



#29
Benzo(g,h,i)perylene
Concen: 12.95 ng/ul
RT: 28.75 min Scan# 4363
Delta R.T. 0.02 min
Lab File: BM002294.D
Acq: 09 Aug 2015 02:09

Tgt Ion: 276 Resp: 819316

Ion	Ratio	Lower	Upper
276	100		
138	28.3	20.5	30.7
277	24.2	19.0	28.6

