

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080715\
 Data File : BM002285.D
 Acq On : 08 Aug 2015 20:42
 Operator : TP/UM
 Sample : G3161-12
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9C57

Quant Time: Aug 09 06:18:13 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	288198	20.00	ng/ul	0.00
2) Naphthalene-d8	11.80	136	1391241	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.50	164	730313	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.21	188	1437839	20.00	ng/ul	0.00
17) Chrysene-d12	22.30	240	1123041	20.00	ng/ul	0.00
22) Perylene-d12	24.99	264	940730	20.00	ng/ul	0.00

System Monitoring Compounds						
7) Acenaphthylene-d8	15.20	160	2216447	29.30	ng/ul	0.00
10) Fluorene-d10	16.47	176	1435138	27.28	ng/ul	0.00
14) Anthracene-d10	18.31	188	2040946	29.25	ng/ul	0.00
18) Pyrene-d10	20.53	212	1894502	34.78	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.82	264	1464029	29.31	ng/ul	0.00

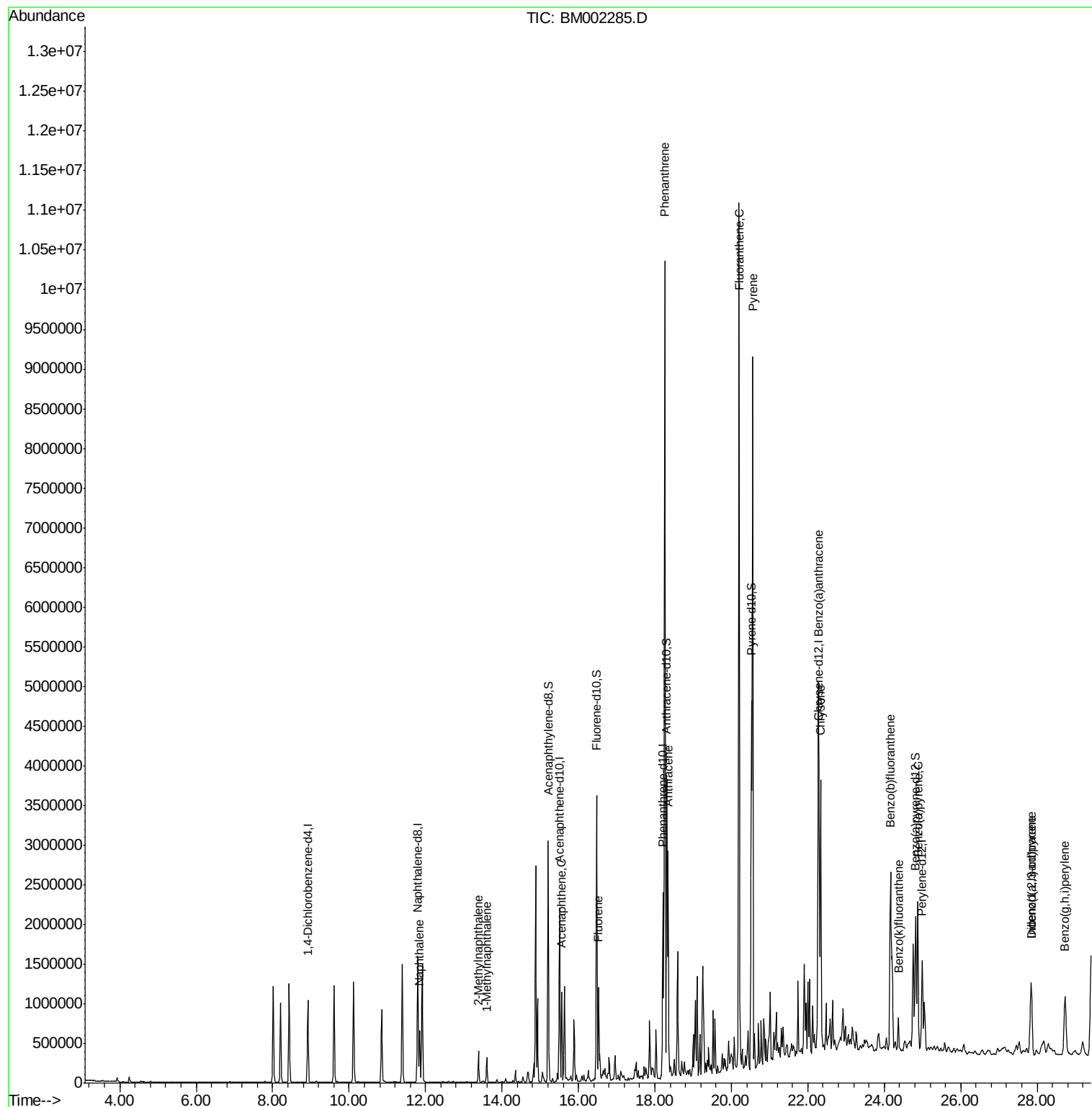
Target Compounds				Qvalue		
3) Naphthalene	11.85	128	550186	7.51	ng/ul	99
4) 2-Methylnaphthalene	13.39	142	190133	3.63	ng/ul	100
5) 1-Methylnaphthalene	13.60	142	144410	2.80	ng/ul	99
9) Acenaphthene	15.56	153	449778	8.51	ng/ul	98
11) Fluorene	16.53	166	524097	8.81	ng/ul	99
13) Phenanthrene	18.26	178	6601738	79.77	ng/ul	97
15) Anthracene	18.34	178	1745166	20.42	ng/ul	99
16) Fluoranthene	20.20	202	6670469	72.80	ng/ul#	92
19) Pyrene	20.56	202	5454712	75.13	ng/ul	95
20) Benzo(a)anthracene	22.28	228	2244362	32.74	ng/ul	99
21) Chrysene	22.34	228	1958584	30.15	ng/ul	97
23) Benzo(b)fluoranthene	24.16	252	2234366	38.21	ng/ul	98
24) Benzo(k)fluoranthene	24.37	252	273208	4.87	ng/ul#	89
26) Benzo(a)pyrene	24.88	252	1515939	27.10	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	27.84	276	1013461	15.80	ng/ul	94
28) Dibenzo(a,h)anthracene	27.84	278	245124	4.51	ng/ul#	77
29) Benzo(g,h,i)perylene	28.73	276	1006949	18.61	ng/ul	98

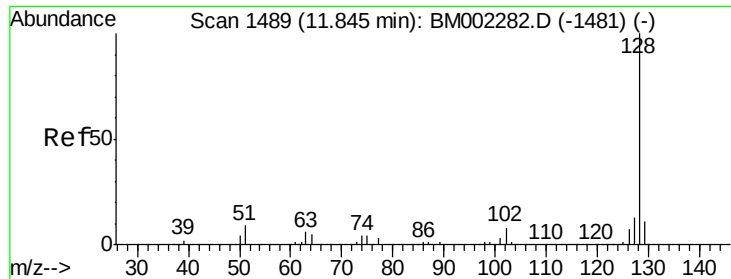
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 7.51 ng/ul

RT: 11.85 min Scan# 1489

Delta R.T. 0.00 min

Lab File: BM002285.D

Acq: 08 Aug 2015 20:42

Instrument :

BNA_M

ClientSampleId :

D9C57

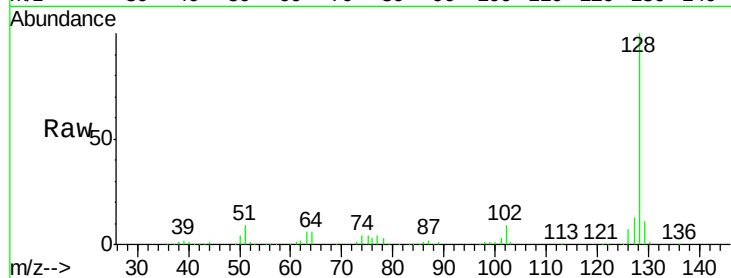
Tgt Ion:128 Resp: 550186

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

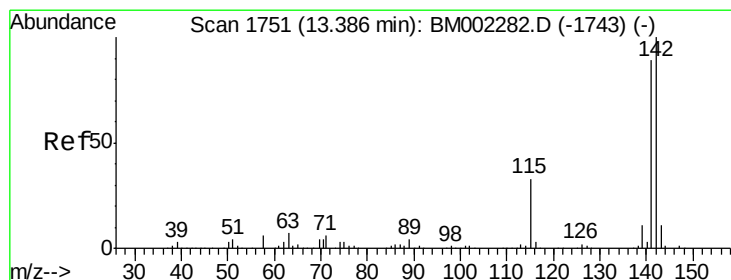
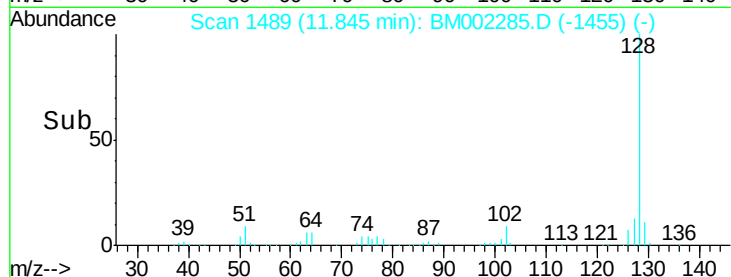
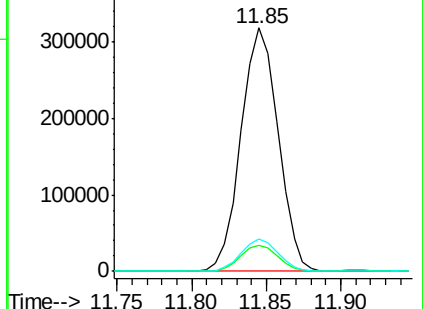
127 13.2 10.4 15.6



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: 3.63 ng/ul

RT: 13.39 min Scan# 1751

Delta R.T. 0.00 min

Lab File: BM002285.D

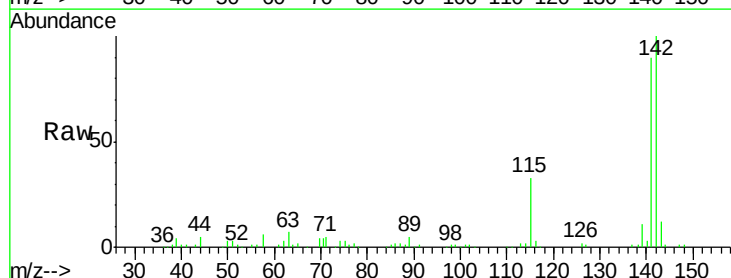
Acq: 08 Aug 2015 20:42

Tgt Ion:142 Resp: 190133

Ion Ratio Lower Upper

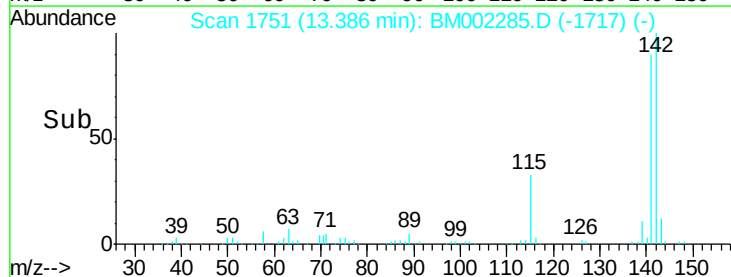
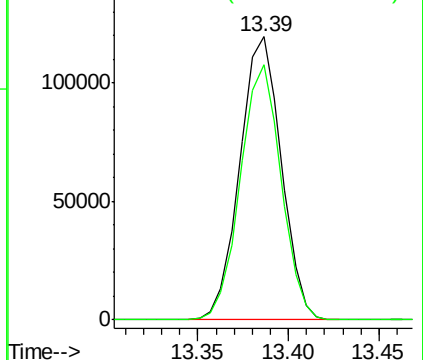
142 100

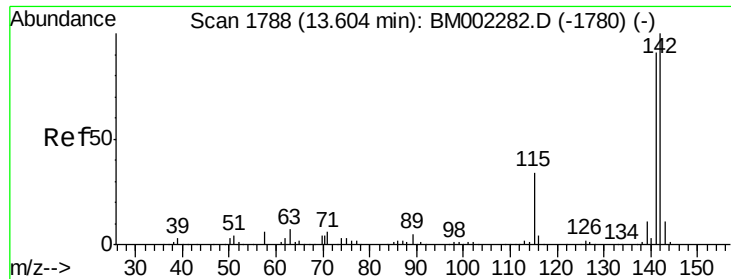
141 90.3 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 2.80 ng/ul

RT: 13.60 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BM002285.D

Acq: 08 Aug 2015 20:42

Instrument :

BNA_M

ClientSampleId :

D9C57

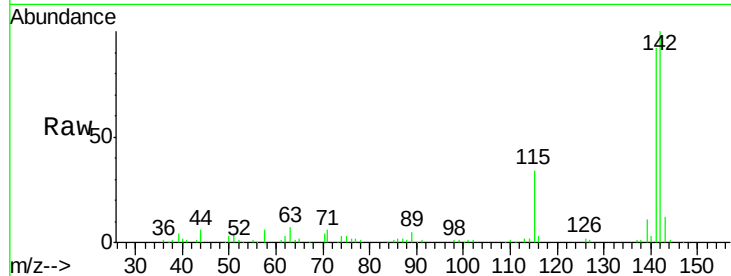
Tgt Ion:142 Resp: 144410

Ion Ratio Lower Upper

142 100

141 92.1 74.5 111.7

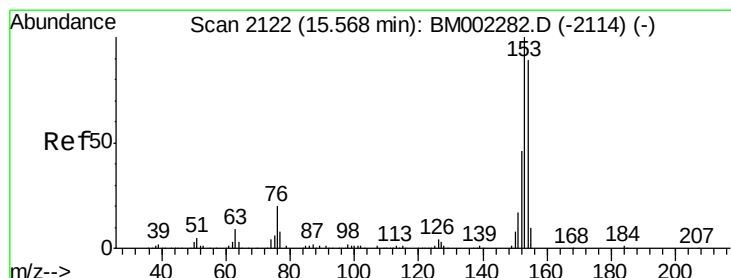
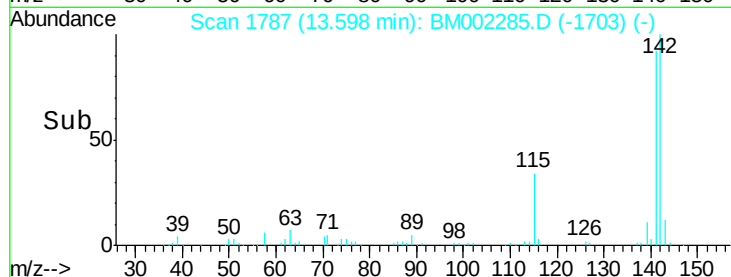
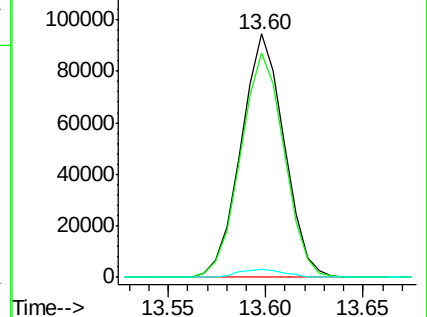
116 3.4 3.0 4.4



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



#9

Acenaphthene

Concen: 8.51 ng/ul

RT: 15.56 min Scan# 2121

Delta R.T. -0.01 min

Lab File: BM002285.D

Acq: 08 Aug 2015 20:42

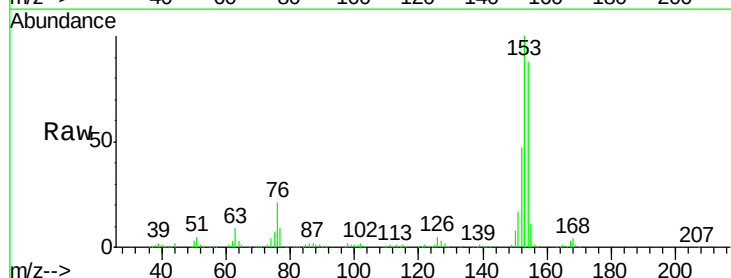
Tgt Ion:153 Resp: 449778

Ion Ratio Lower Upper

153 100

152 47.2 36.6 55.0

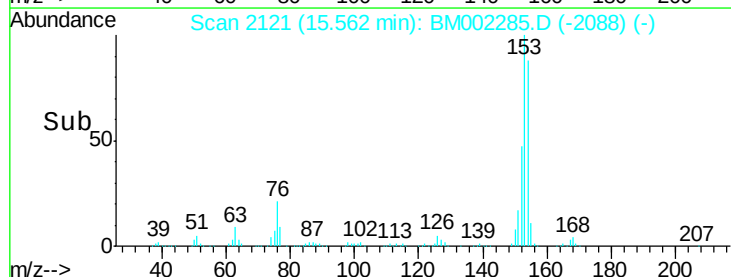
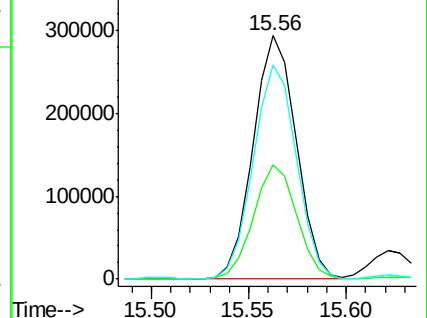
154 88.1 71.5 107.3

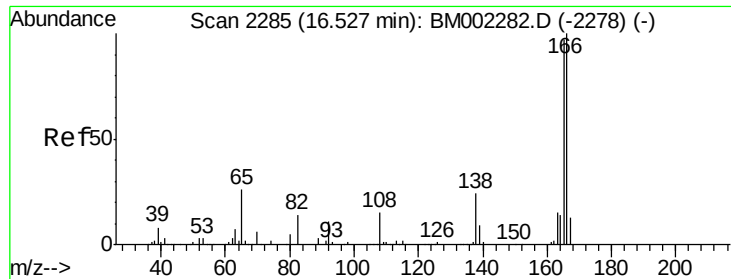


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

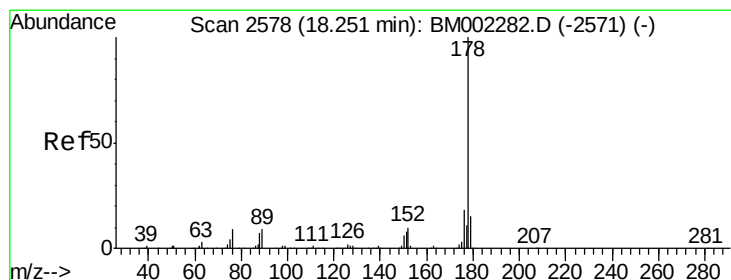
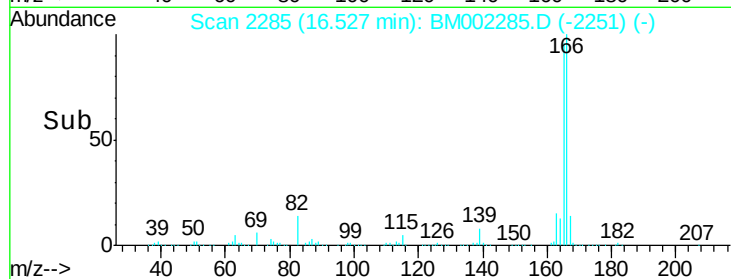
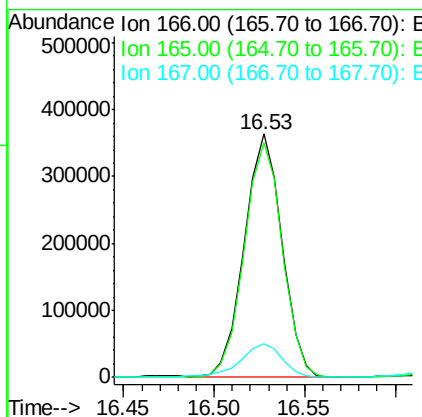
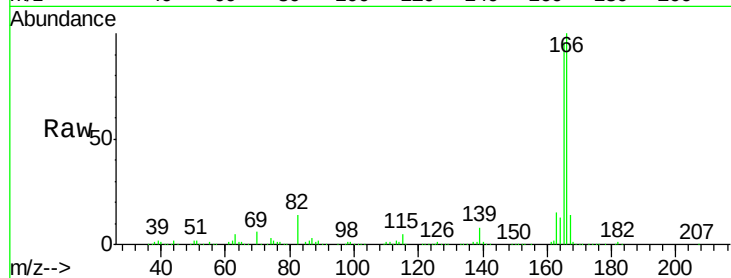




#11
 Fluorene
 Concen: 8.81 ng/ul
 RT: 16.53 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: BM002285.D
 Acq: 08 Aug 2015 20:42

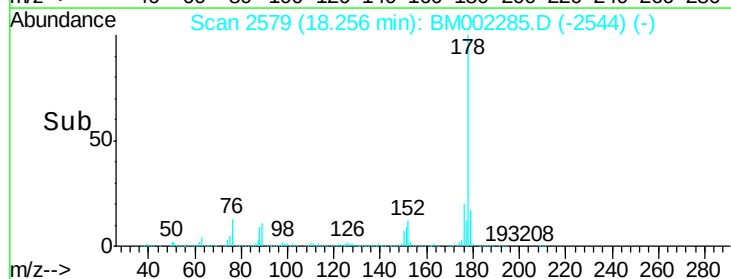
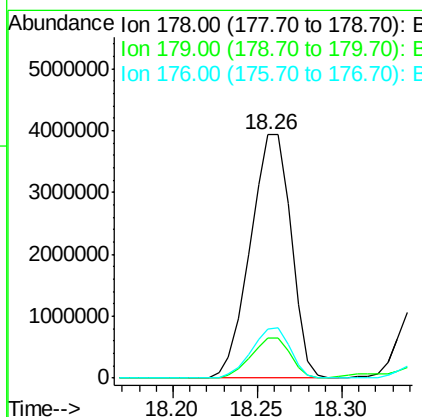
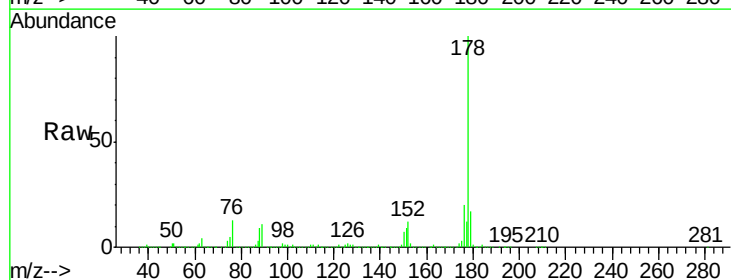
Instrument :
 BNA_M
 ClientSampleId :
 D9C57

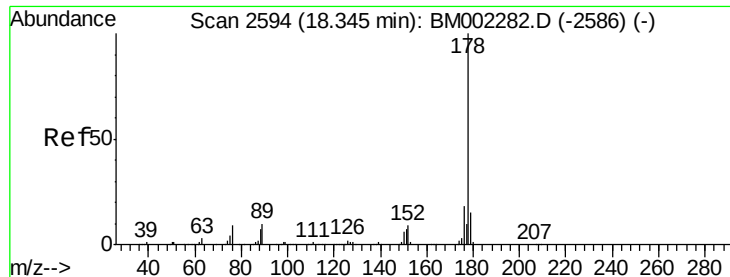
Tgt Ion:166 Resp: 524097
 Ion Ratio Lower Upper
 166 100
 165 96.3 77.5 116.3
 167 13.9 10.4 15.6



#13
 Phenanthrene
 Concen: 79.77 ng/ul
 RT: 18.26 min Scan# 2579
 Delta R.T. 0.01 min
 Lab File: BM002285.D
 Acq: 08 Aug 2015 20:42

Tgt Ion:178 Resp: 6601738
 Ion Ratio Lower Upper
 178 100
 179 16.6 12.3 18.5
 176 20.4 15.3 22.9

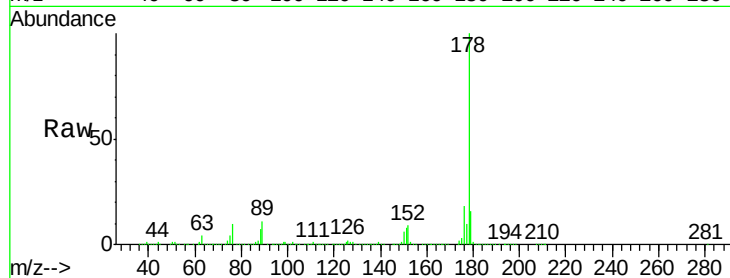




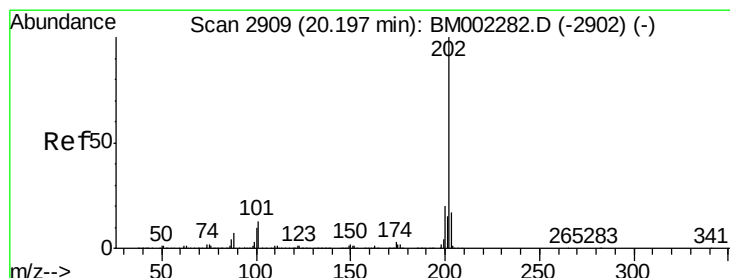
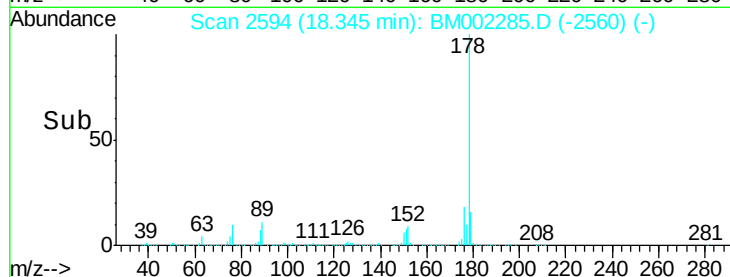
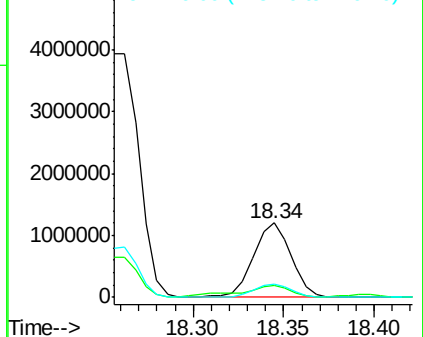
#15
 Anthracene
 Concen: 20.42 ng/ul
 RT: 18.34 min Scan# 2594
 Delta R.T. 0.00 min
 Lab File: BM002285.D
 Acq: 08 Aug 2015 20:42

Instrument :
 BNA_M
 ClientSampleId :
 D9C57

Tgt Ion:178 Resp: 1745166
 Ion Ratio Lower Upper
 178 100
 179 15.5 12.3 18.5
 176 18.4 14.5 21.7

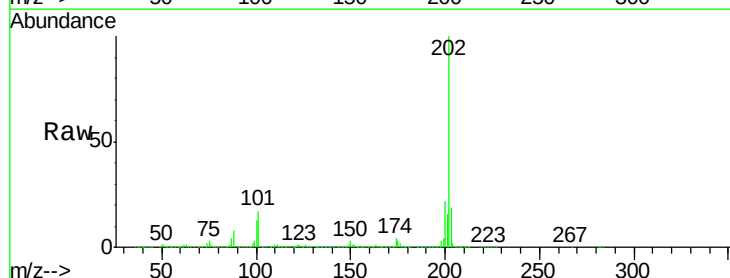


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

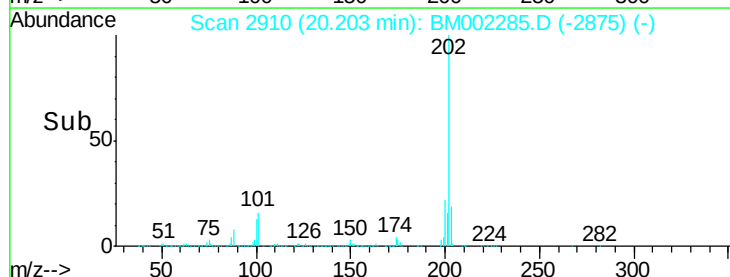
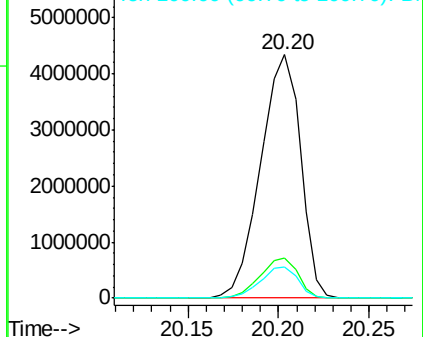


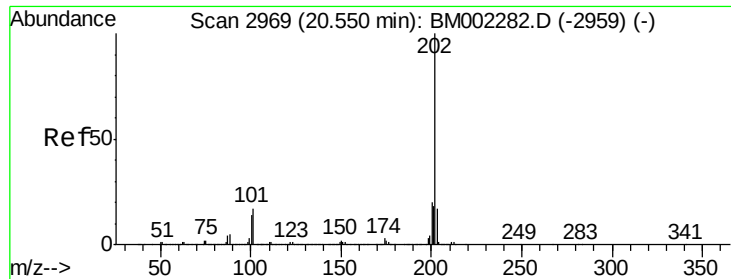
#16
 Fluoranthene
 Concen: 72.80 ng/ul
 RT: 20.20 min Scan# 2910
 Delta R.T. 0.01 min
 Lab File: BM002285.D
 Acq: 08 Aug 2015 20:42

Tgt Ion:202 Resp: 6670469
 Ion Ratio Lower Upper
 202 100
 101 16.5 10.6 15.8#
 100 12.8 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: 75.13 ng/ul

RT: 20.56 min Scan# 2970

Delta R.T. 0.01 min

Lab File: BM002285.D

Acq: 08 Aug 2015 20:42

Instrument :

BNA_M

ClientSampleId :

D9C57

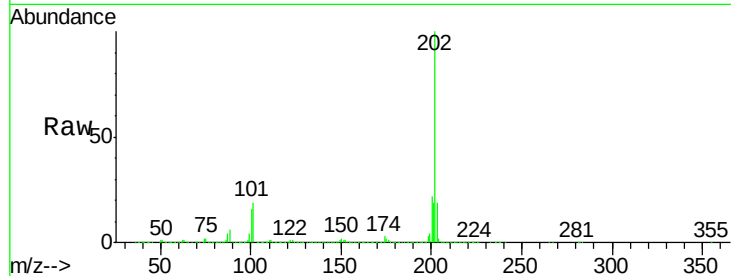
Tgt Ion:202 Resp: 5454712

Ion Ratio Lower Upper

202 100

101 18.8 13.0 19.6

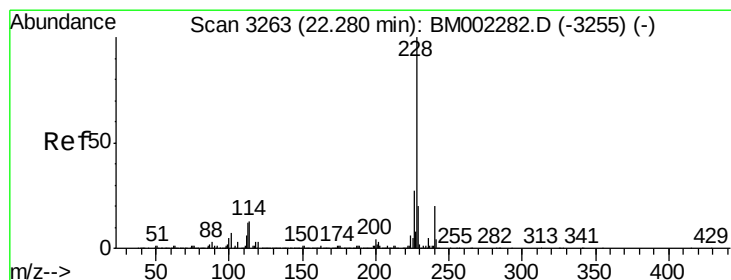
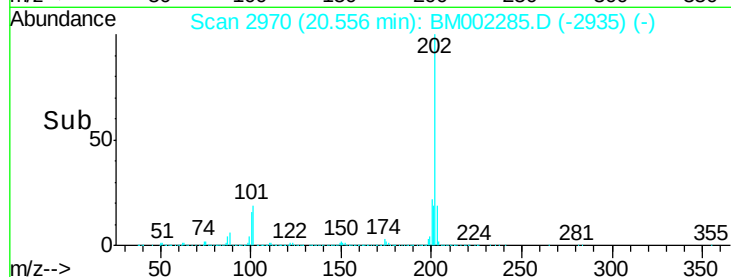
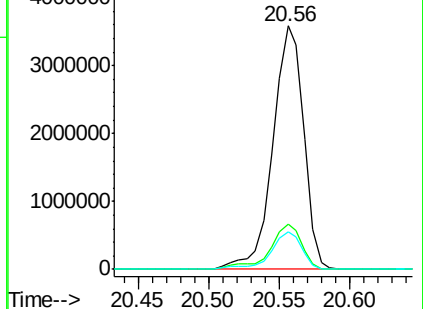
100 15.7 11.0 16.4



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



#20

Benzo(a)anthracene

Concen: 32.74 ng/ul

RT: 22.28 min Scan# 3263

Delta R.T. 0.00 min

Lab File: BM002285.D

Acq: 08 Aug 2015 20:42

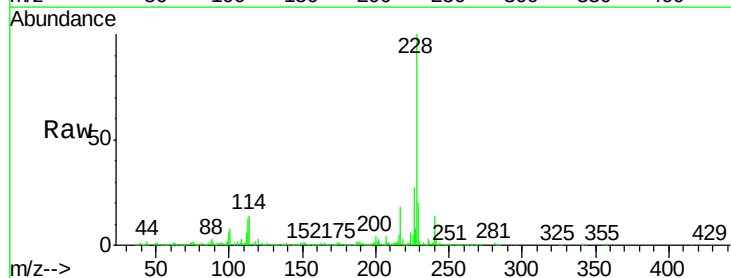
Tgt Ion:228 Resp: 2244362

Ion Ratio Lower Upper

228 100

229 20.4 15.7 23.5

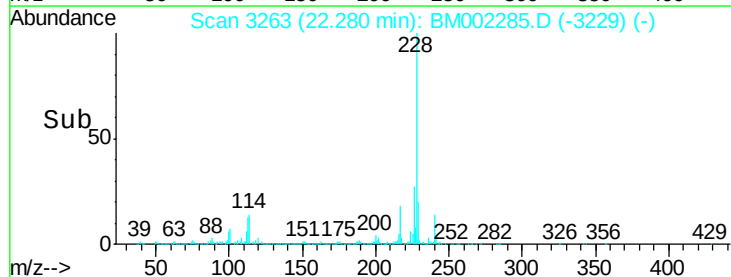
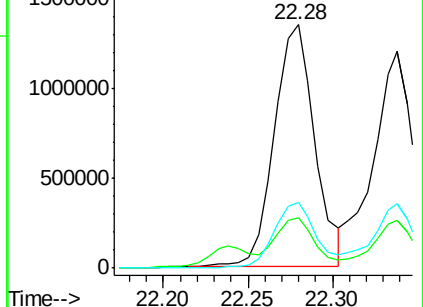
226 27.1 21.4 32.0

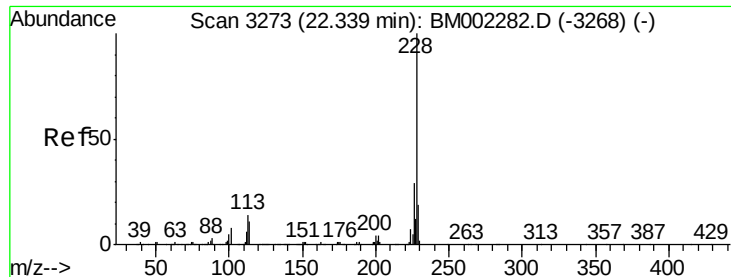


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 30.15 ng/ul

RT: 22.34 min Scan# 3273

Delta R.T. 0.00 min

Lab File: BM002285.D

Acq: 08 Aug 2015 20:42

Instrument :

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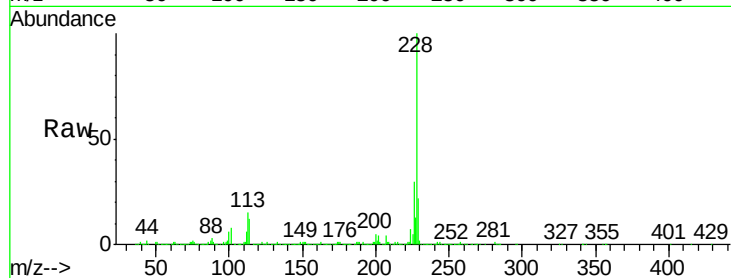
Tgt Ion:228 Resp: 1958584

Ion Ratio Lower Upper

228 100

226 29.9 23.4 35.0

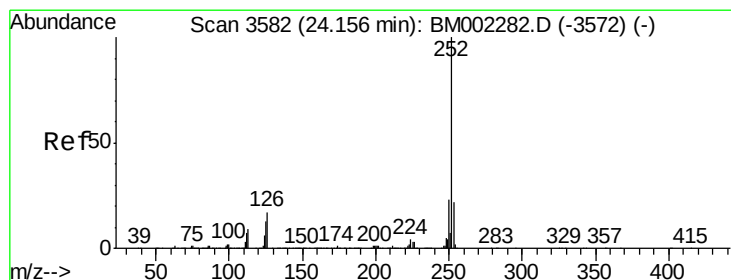
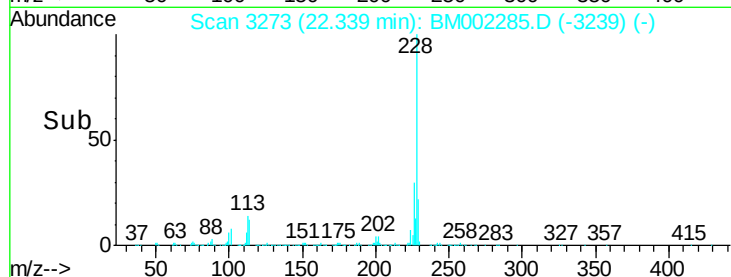
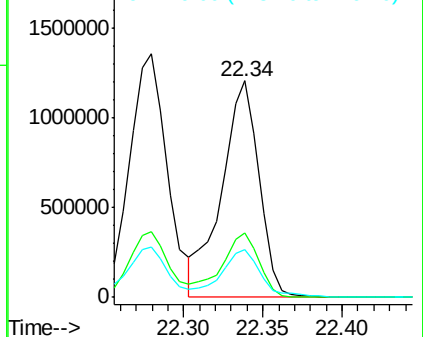
229 22.2 15.5 23.3



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: 38.21 ng/ul

RT: 24.16 min Scan# 3583

Delta R.T. 0.01 min

Lab File: BM002285.D

Acq: 08 Aug 2015 20:42

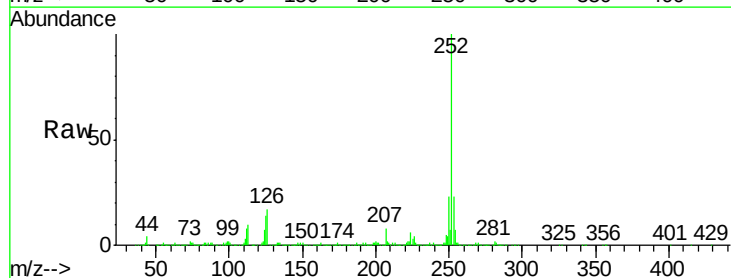
Tgt Ion:252 Resp: 2234366

Ion Ratio Lower Upper

252 100

253 23.2 17.9 26.9

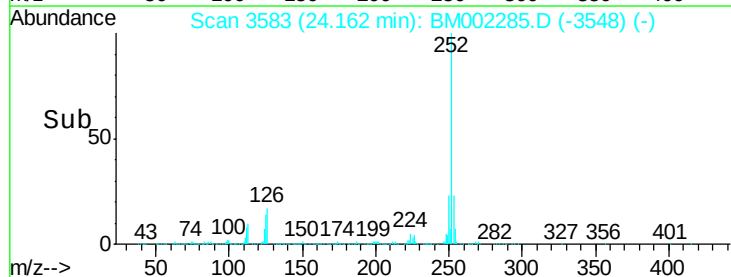
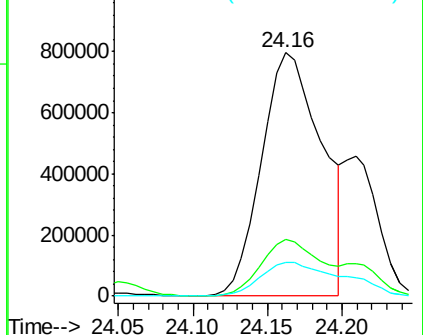
125 14.0 10.3 15.5

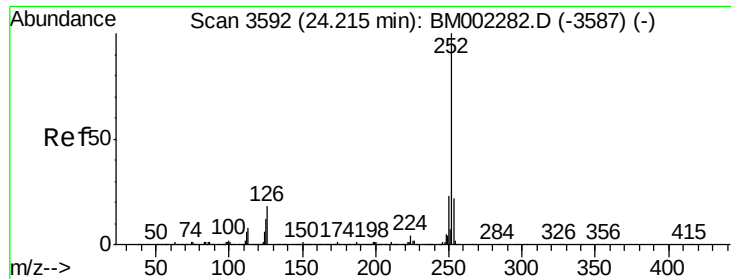


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 4.87 ng/ul

RT: 24.37 min Scan# 3618

Delta R.T. 0.15 min

Lab File: BM002285.D

Acq: 08 Aug 2015 20:42

Instrument :

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D9C57

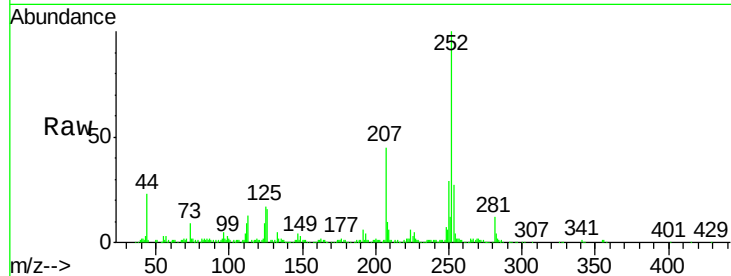
Tgt Ion:252 Resp: 273208

Ion Ratio Lower Upper

252 100

253 27.2 17.3 25.9#

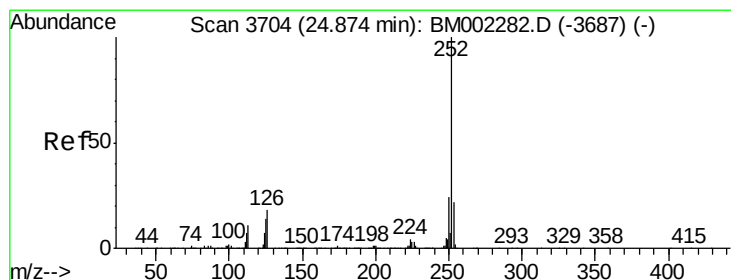
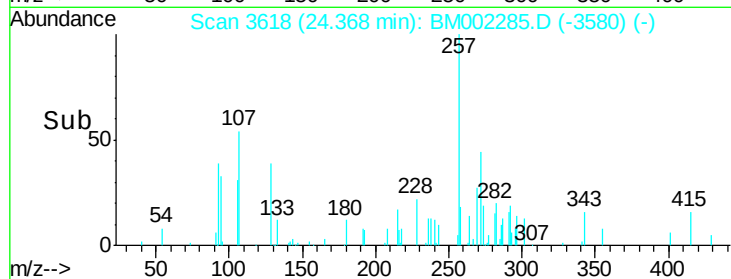
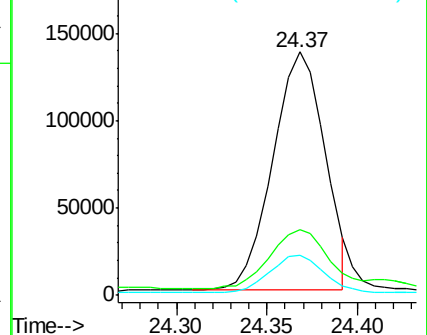
125 16.6 10.2 15.4#



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: 27.10 ng/ul

RT: 24.88 min Scan# 3705

Delta R.T. 0.01 min

Lab File: BM002285.D

Acq: 08 Aug 2015 20:42

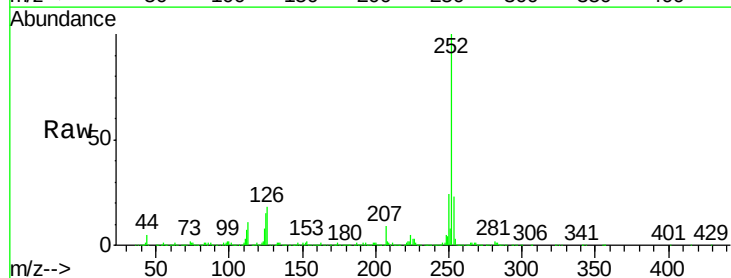
Tgt Ion:252 Resp: 1515939

Ion Ratio Lower Upper

252 100

253 23.0 17.3 25.9

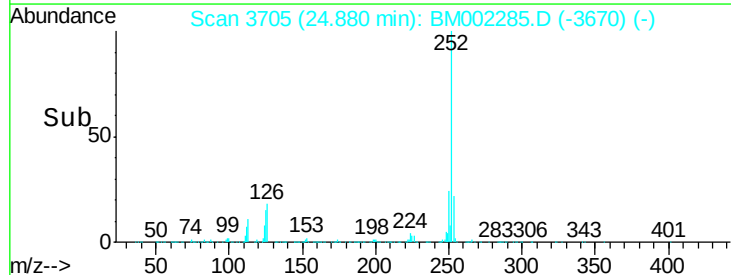
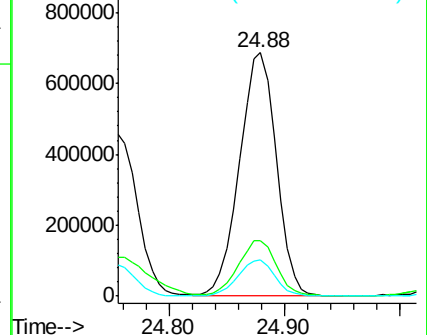
125 15.1 11.0 16.6

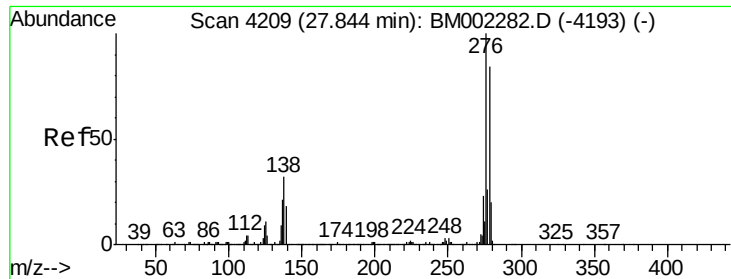


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

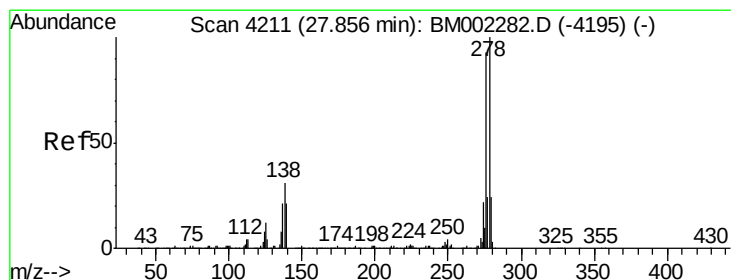
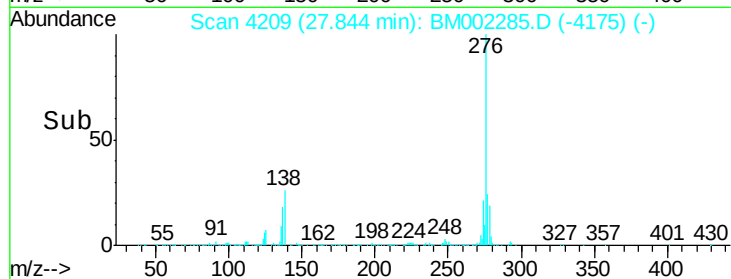
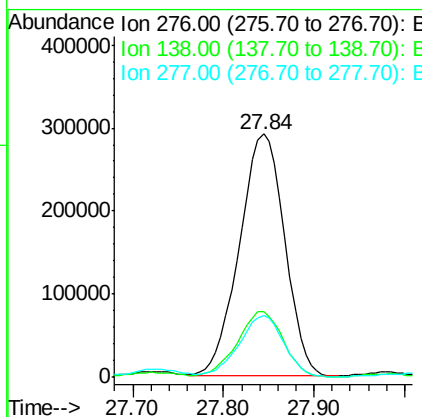
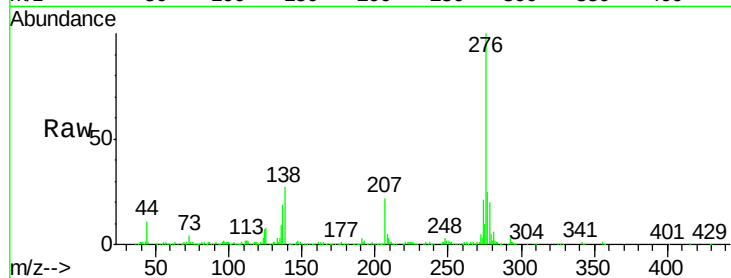




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 15.80 ng/ul
 RT: 27.84 min Scan# 4209
 Delta R.T. 0.00 min
 Lab File: BM002285.D
 Acq: 08 Aug 2015 20:42

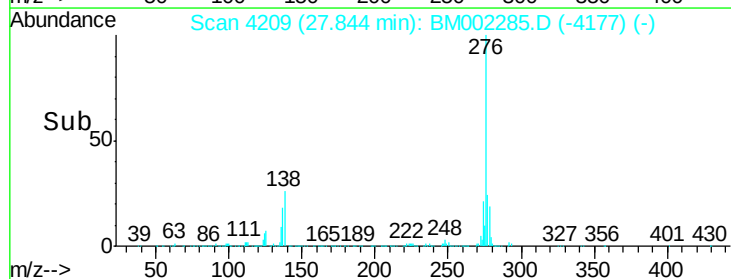
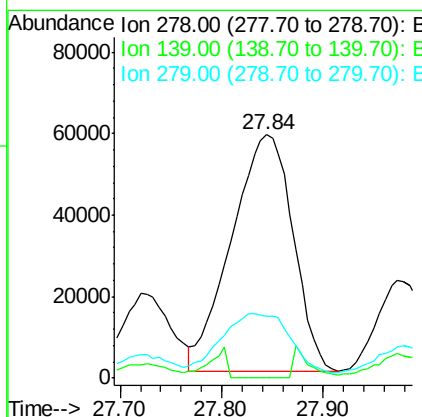
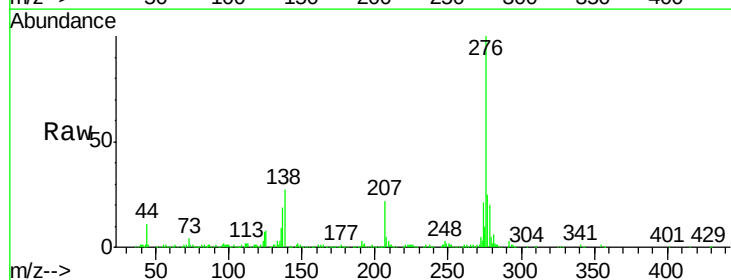
Instrument :
 BNA_M
 ClientSampleId :
 D9C57

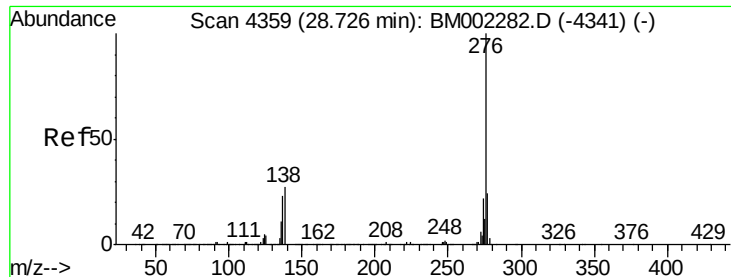
Tgt Ion:276 Resp: 1013461
 Ion Ratio Lower Upper
 276 100
 138 26.9 25.6 38.4
 277 25.3 21.0 31.4



#28
 Dibenzo(a,h)anthracene
 Concen: 4.51 ng/ul
 RT: 27.84 min Scan# 4209
 Delta R.T. -0.01 min
 Lab File: BM002285.D
 Acq: 08 Aug 2015 20:42

Tgt Ion:278 Resp: 245124
 Ion Ratio Lower Upper
 278 100
 139 0.0 16.4 24.6#
 279 25.4 18.8 28.2





#29

Benzo(g,h,i)perylene

Concen: 18.61 ng/ul

RT: 28.73 min Scan# 4360

Delta R.T. 0.01 min

Lab File: BM002285.D

Acq: 08 Aug 2015 20:42

Instrument :

BNA_M

ClientSampleId :

D9C57

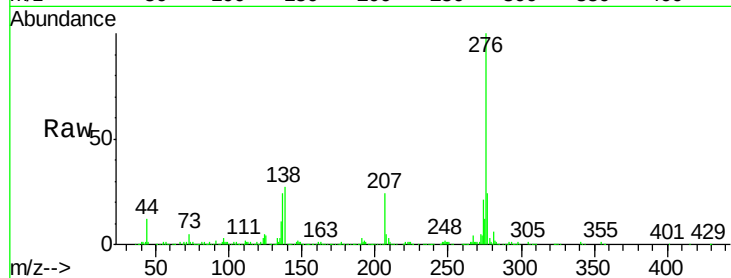
Tgt Ion:276 Resp: 1006949

Ion Ratio Lower Upper

276 100

138 27.2 20.5 30.7

277 23.8 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

