

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081215\
 Data File : BM002347.D
 Acq On : 12 Aug 2015 06:08
 Operator : UM/IZ
 Sample : G3162-17
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9C84

Quant Time: Aug 12 06:44:38 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 12 04:50:31 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	179605	20.00	ng/ul	0.00
2) Naphthalene-d8	11.77	136	865598	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.48	164	476143	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.19	188	939170	20.00	ng/ul	0.00
17) Chrysene-d12	22.29	240	662163	20.00	ng/ul	0.00
22) Perylene-d12	24.80	264	361379	20.00	ng/ul	-0.16

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.19	160	729329	14.79	ng/ul	0.00
10) Fluorene-d10	16.45	176	480108	14.00	ng/ul	0.00
14) Anthracene-d10	18.29	188	656891	14.41	ng/ul	0.00
18) Pyrene-d10	20.51	212	548834	17.09	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.64	264	364	0.02	ng/ul	-0.15

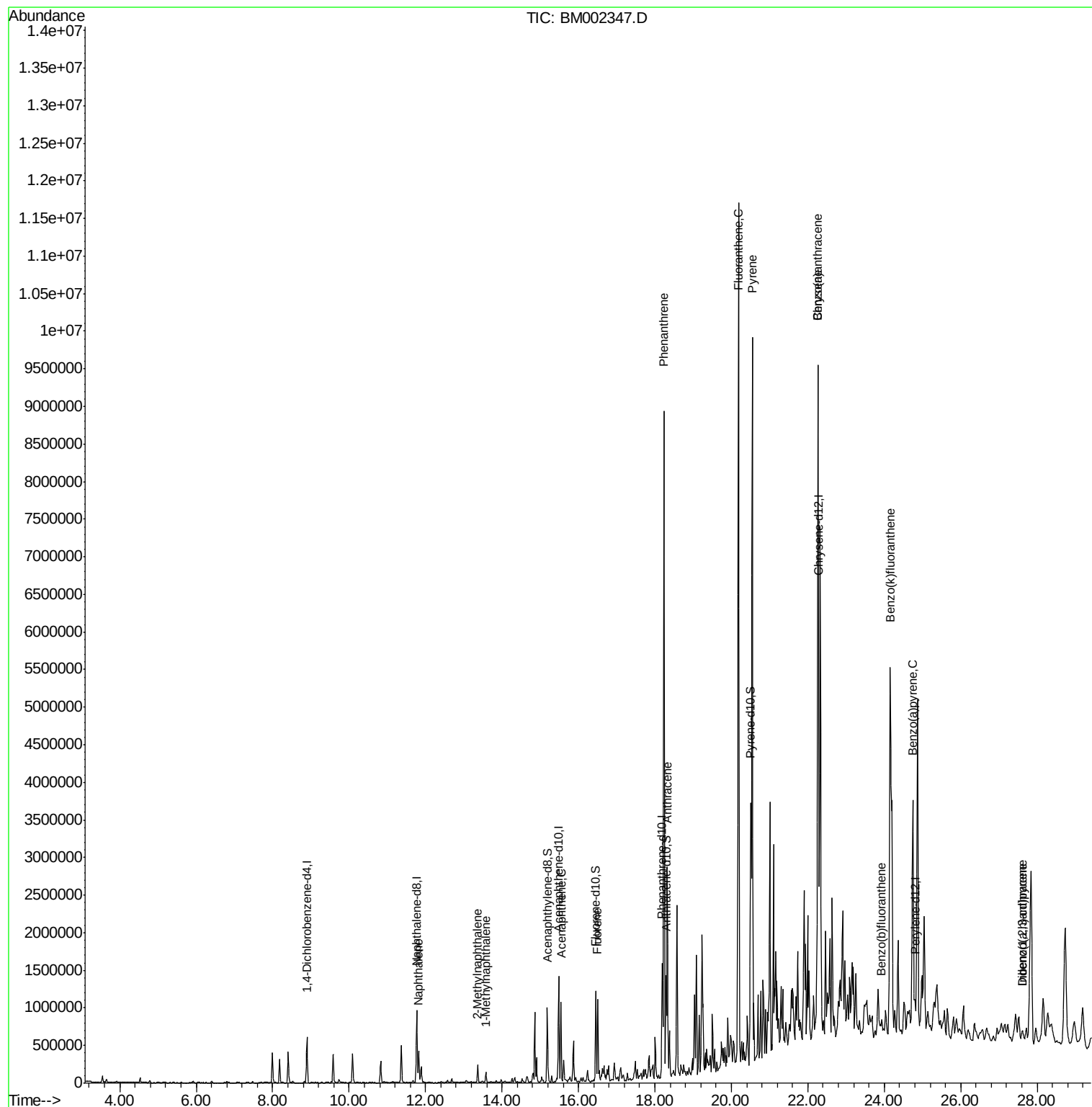
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	11.82	128	367689	8.07	ng/ul	100
4) 2-Methylnaphthalene	13.36	142	118870	3.65	ng/ul	99
5) 1-Methylnaphthalene	13.57	142	69782	2.17	ng/ul	99
9) Acenaphthene	15.54	153	440214	12.78	ng/ul	98
11) Fluorene	16.50	166	503794	12.99	ng/ul	99
13) Phenanthrene	18.24	178	5556063	102.78	ng/ul	97
15) Anthracene	18.32	178	1803031	32.29	ng/ul	99
16) Fluoranthene	20.19	202	7399318	123.63	ng/ul#	93
19) Pyrene	20.54	202	6228229	145.49	ng/ul	98
20) Benzo(a)anthracene	22.27	228	4554516	112.68	ng/ul	96
21) Chrysene	22.27	228	4530695	118.28	ng/ul	97
23) Benzo(b)fluoranthene	23.93	252	25497	1.14	ng/ul#	5
24) Benzo(k)fluoranthene	24.16	252	5533313	256.52	ng/ul	96
26) Benzo(a)pyrene	24.75	252	2572089	119.67	ng/ul#	91
27) Indeno(1,2,3-cd)pyrene	27.61	276	59972	2.43	ng/ul#	60
28) Dibenzo(a,h)anthracene	27.63	278	27152	1.30	ng/ul#	58

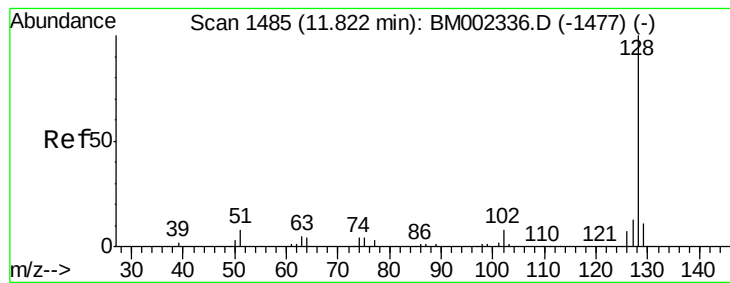
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 8.07 ng/ul

RT: 11.82 min Scan# 1485

Delta R.T. 0.00 min

Lab File: BM002347.D

Acq: 12 Aug 2015 06:08

Instrument :

BNA_M

ClientSampleId :

D9C84

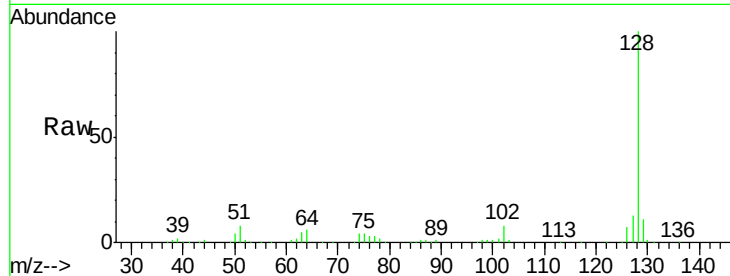
Tgt Ion:128 Resp: 367689

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

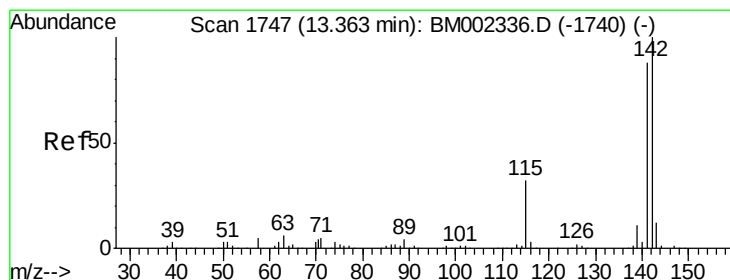
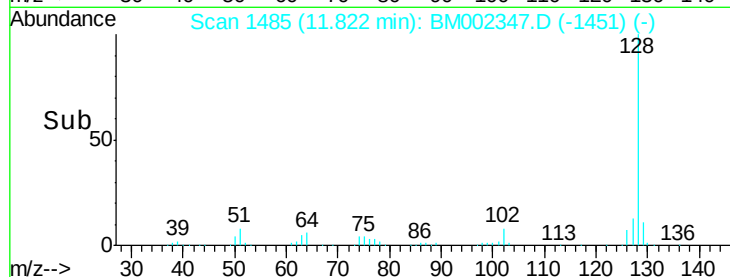
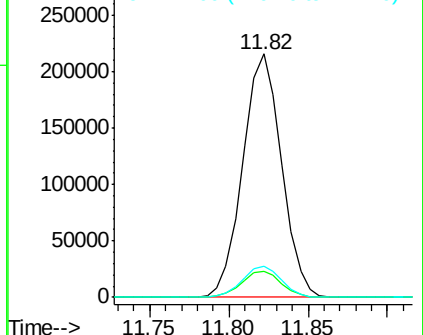
127 13.0 10.4 15.6



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: 3.65 ng/ul

RT: 13.36 min Scan# 1747

Delta R.T. 0.00 min

Lab File: BM002347.D

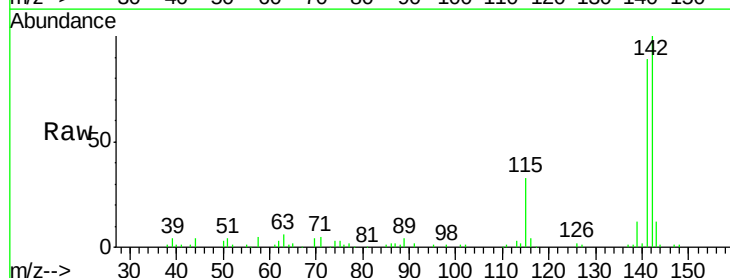
Acq: 12 Aug 2015 06:08

Tgt Ion:142 Resp: 118870

Ion Ratio Lower Upper

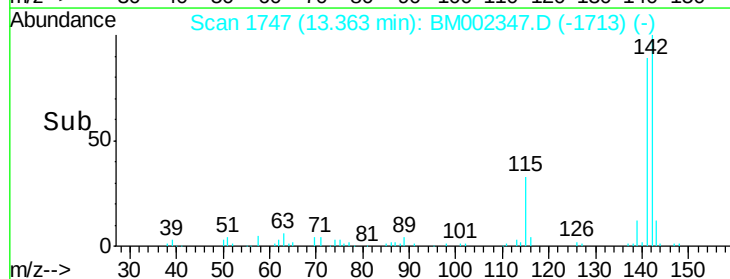
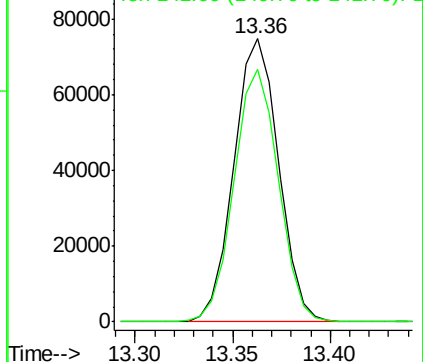
142 100

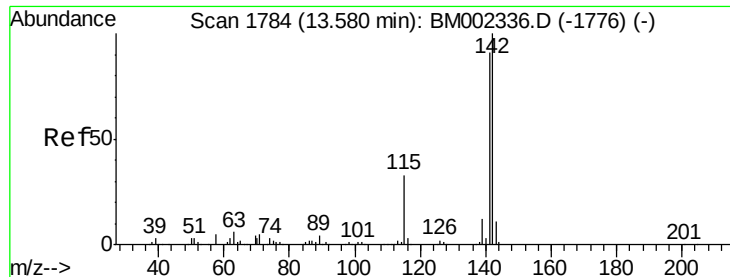
141 89.3 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 2.17 ng/ul

RT: 13.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BM002347.D

Acq: 12 Aug 2015 06:08

Instrument :

BNA_M

ClientSampleId :

D9C84

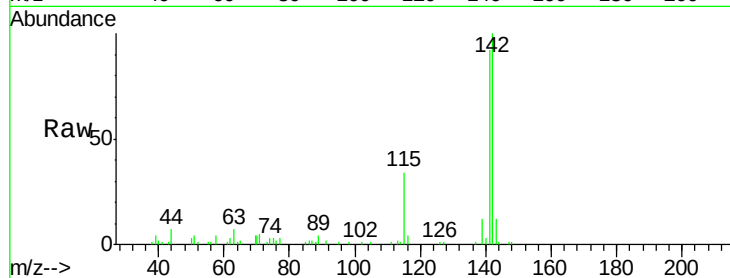
Tgt Ion:142 Resp: 69782

Ion Ratio Lower Upper

142 100

141 91.7 74.5 111.7

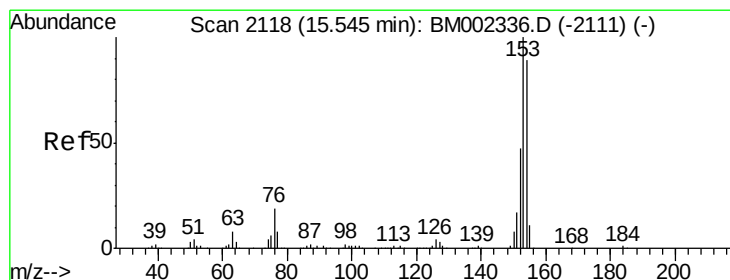
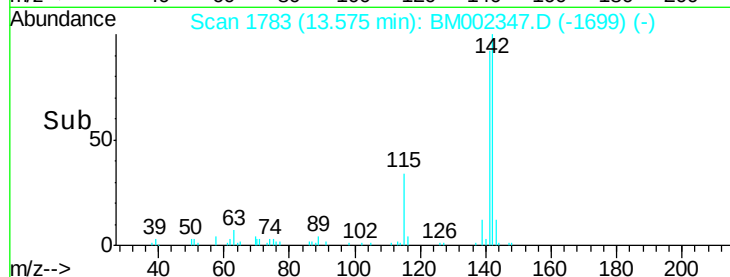
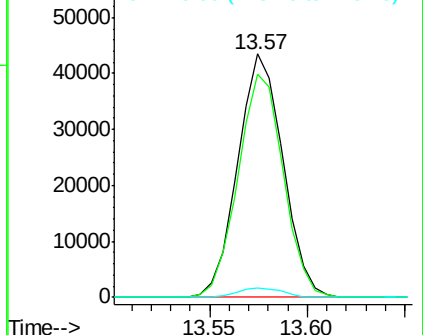
116 4.0 3.0 4.4



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: 12.78 ng/ul

RT: 15.54 min Scan# 2118

Delta R.T. 0.00 min

Lab File: BM002347.D

Acq: 12 Aug 2015 06:08

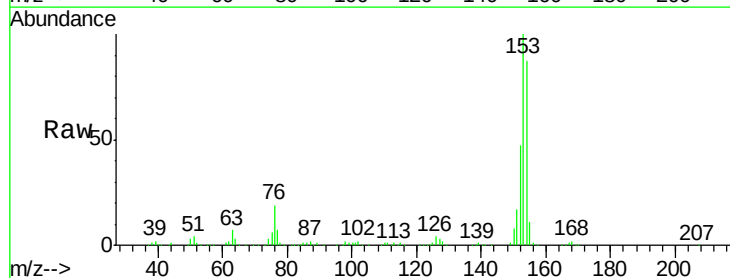
Tgt Ion:153 Resp: 440214

Ion Ratio Lower Upper

153 100

152 47.0 36.6 55.0

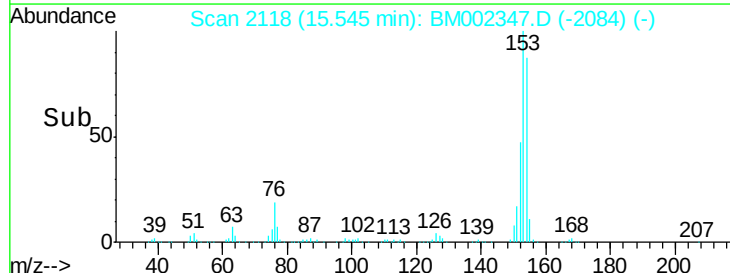
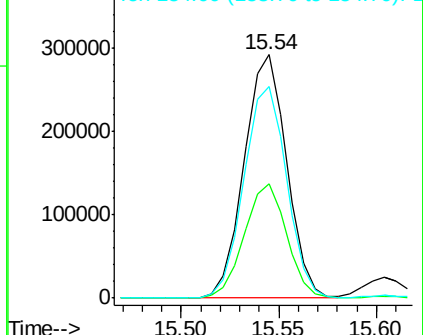
154 87.1 71.5 107.3

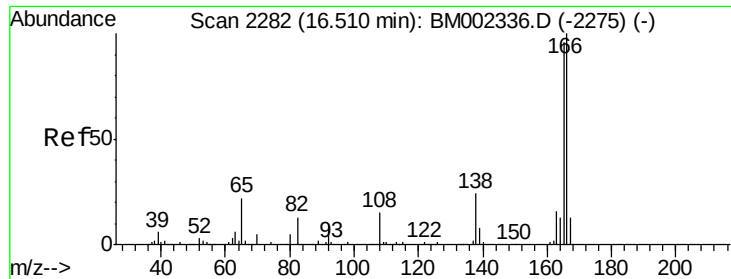


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 12.99 ng/ul

RT: 16.50 min Scan# 2281

Delta R.T. -0.01 min

Lab File: BM002347.D

Acq: 12 Aug 2015 06:08

Instrument :

BNA_M

ClientSampleId :

D9C84

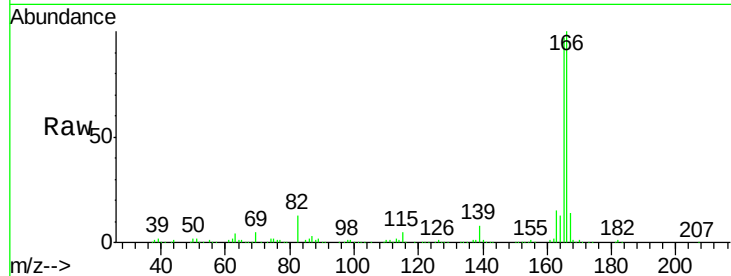
Tgt Ion:166 Resp: 503794

Ion Ratio Lower Upper

166 100

165 97.4 77.5 116.3

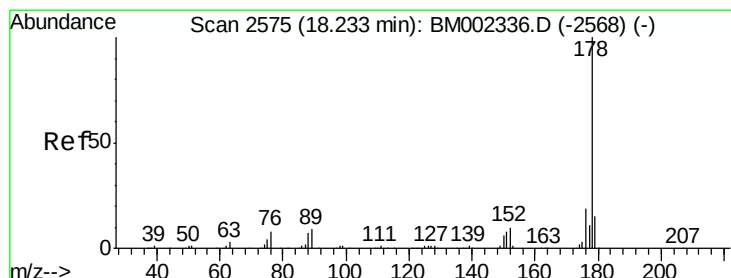
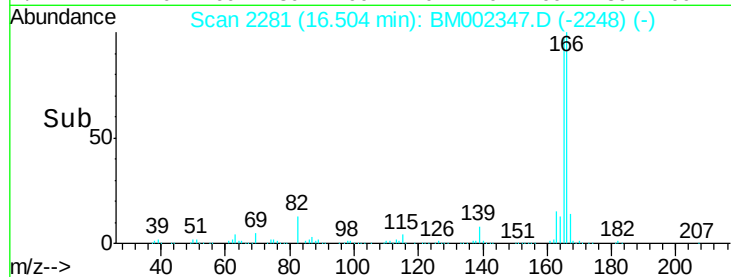
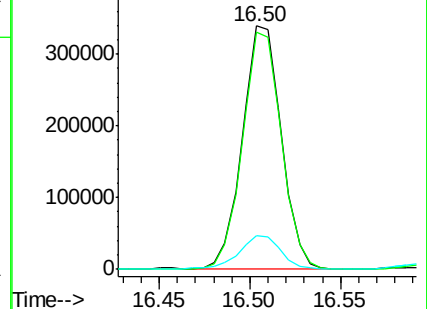
167 13.9 10.4 15.6



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: 102.78 ng/ul

RT: 18.24 min Scan# 2576

Delta R.T. 0.01 min

Lab File: BM002347.D

Acq: 12 Aug 2015 06:08

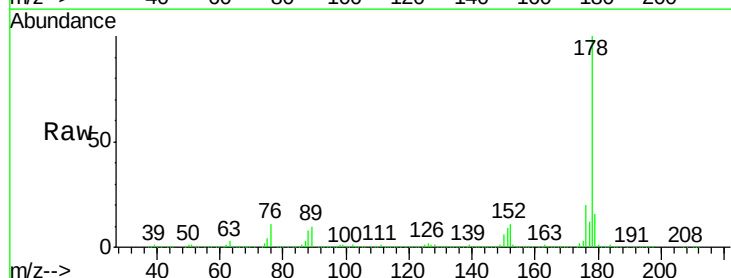
Tgt Ion:178 Resp: 5556063

Ion Ratio Lower Upper

178 100

179 16.4 12.3 18.5

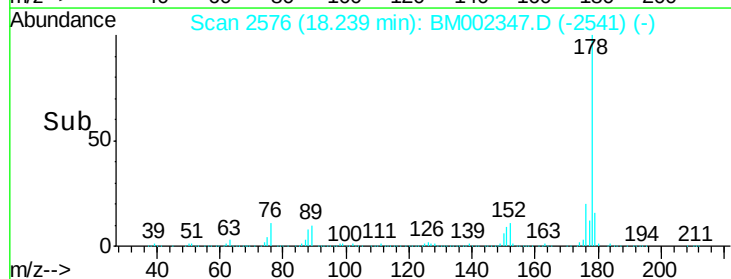
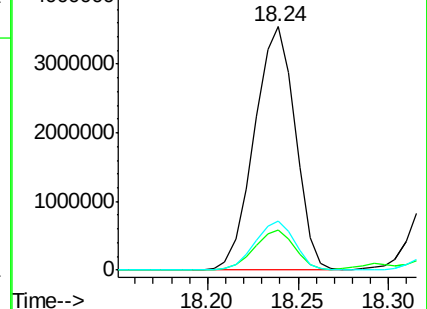
176 20.3 15.3 22.9

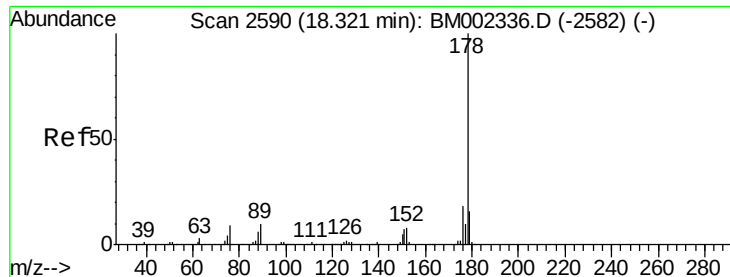


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

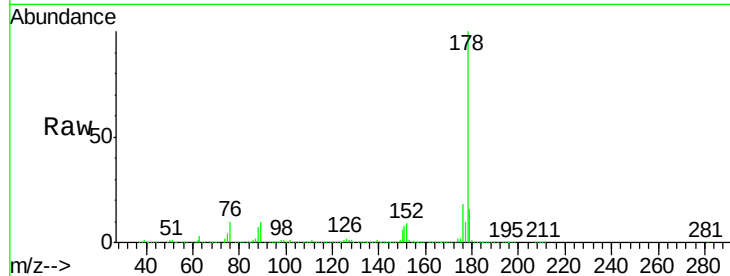




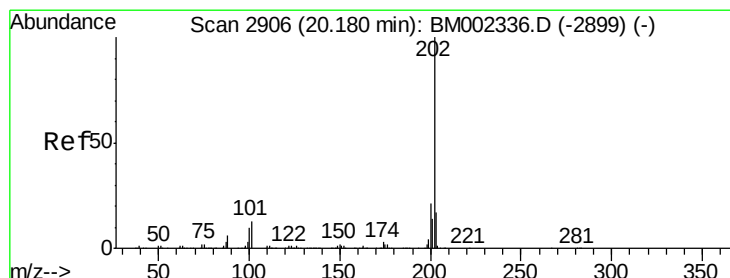
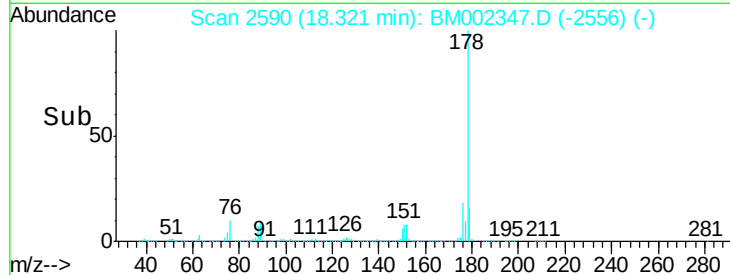
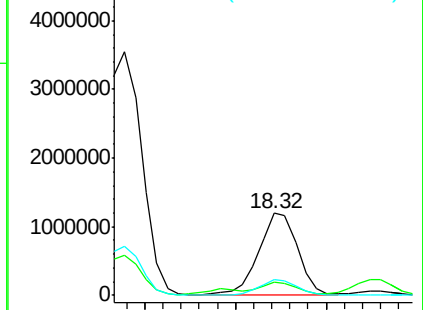
#15
 Anthracene
 Concen: 32.29 ng/ul
 RT: 18.32 min Scan# 2590
 Delta R.T. 0.00 min
 Lab File: BM002347.D
 Acq: 12 Aug 2015 06:08

Instrument :
 BNA_M
 ClientSampleId :
 D9C84

Tgt Ion:178 Resp: 1803031
 Ion Ratio Lower Upper
 178 100
 179 15.7 12.3 18.5
 176 18.5 14.5 21.7

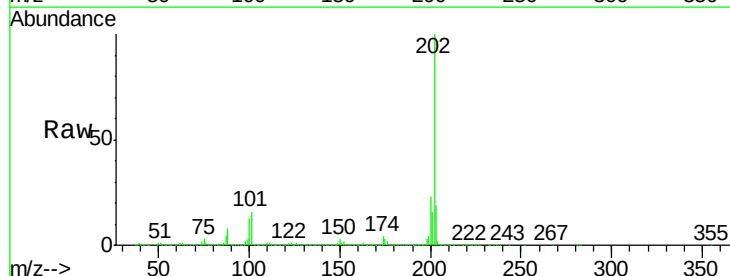


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

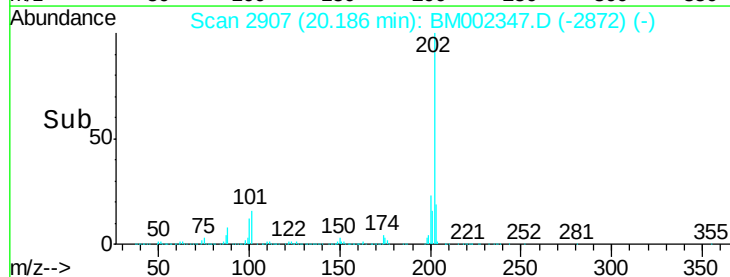
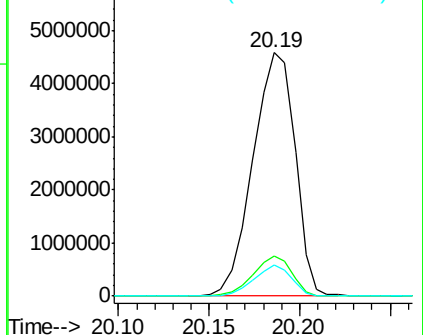


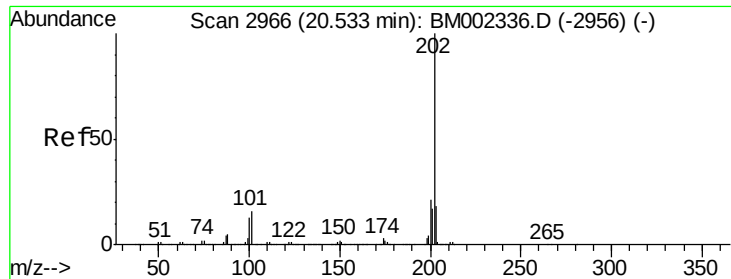
#16
 Fluoranthene
 Concen: 123.63 ng/ul
 RT: 20.19 min Scan# 2907
 Delta R.T. 0.01 min
 Lab File: BM002347.D
 Acq: 12 Aug 2015 06:08

Tgt Ion:202 Resp: 7399318
 Ion Ratio Lower Upper
 202 100
 101 16.4 10.6 15.8#
 100 12.5 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: 145.49 ng/ul

RT: 20.54 min Scan# 2968

Delta R.T. 0.01 min

Lab File: BM002347.D

Acq: 12 Aug 2015 06:08

Instrument :

BNA_M

ClientSampleId :

D9C84

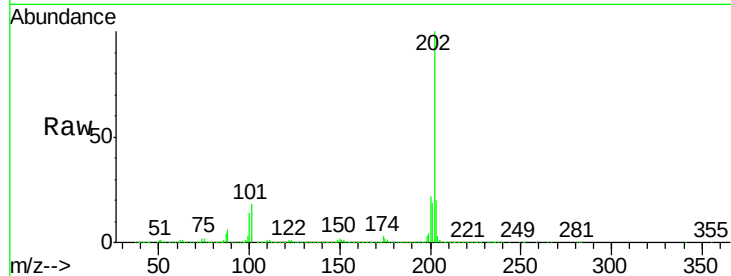
Tgt Ion:202 Resp: 6228229

Ion Ratio Lower Upper

202 100

101 17.6 13.0 19.6

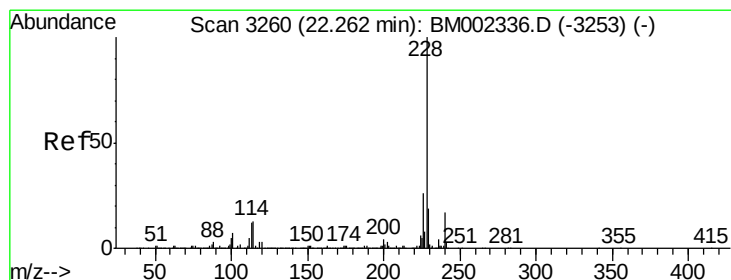
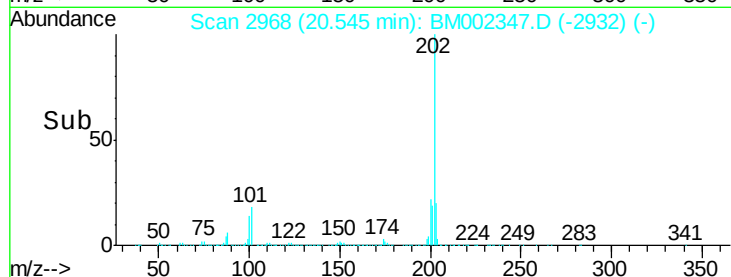
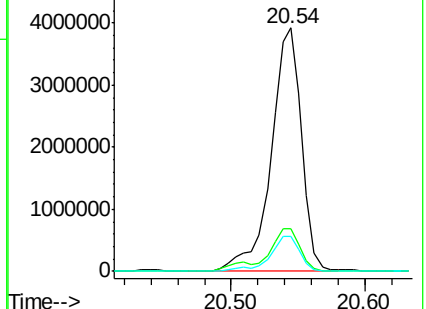
100 14.3 11.0 16.4



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: 112.68 ng/ul

RT: 22.27 min Scan# 3261

Delta R.T. 0.01 min

Lab File: BM002347.D

Acq: 12 Aug 2015 06:08

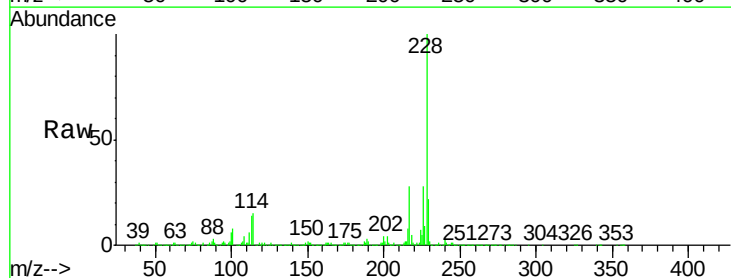
Tgt Ion:228 Resp: 4554516

Ion Ratio Lower Upper

228 100

229 22.1 15.7 23.5

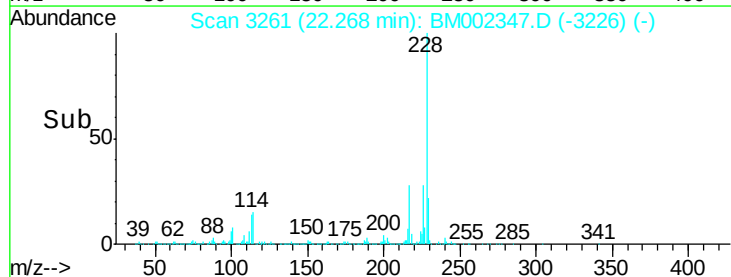
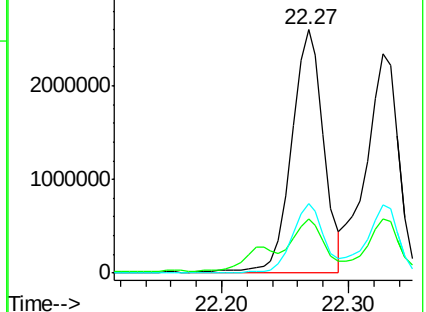
226 28.3 21.4 32.0

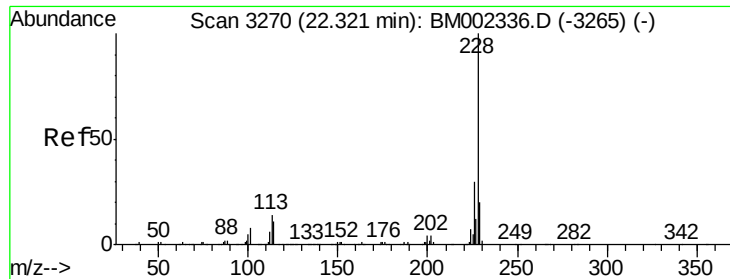


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

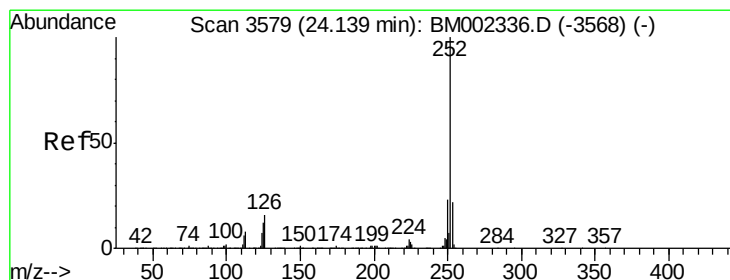
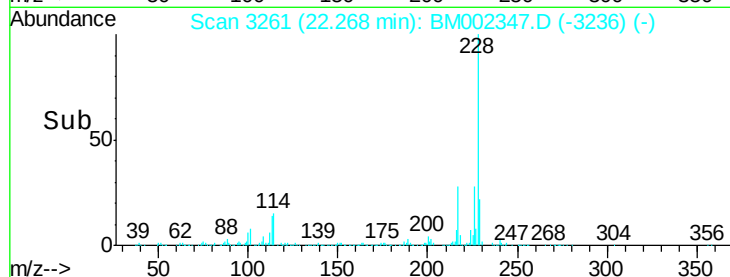
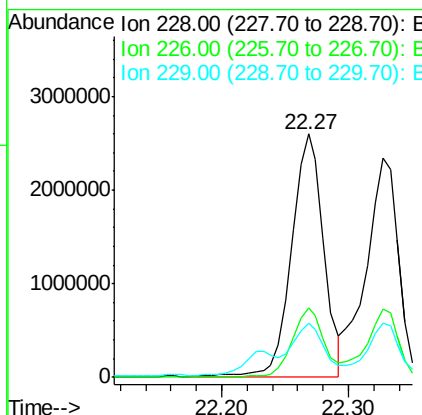
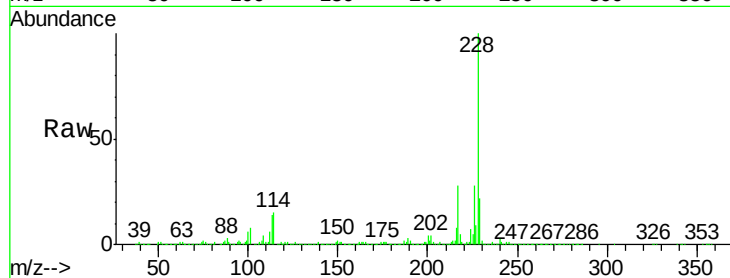




#21
Chrysene
Concen: 118.28 ng/ul
RT: 22.27 min Scan# 3261
Delta R.T. -0.05 min
Lab File: BM002347.D
Acq: 12 Aug 2015 06:08

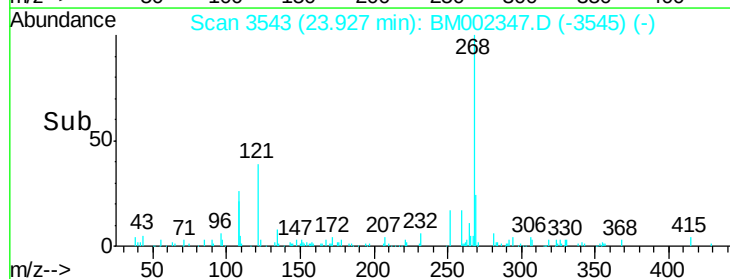
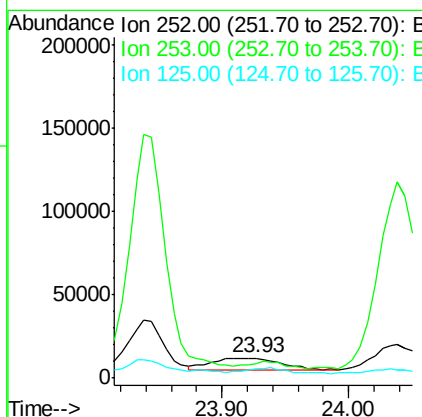
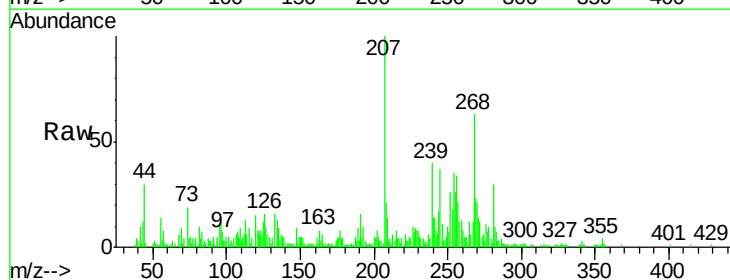
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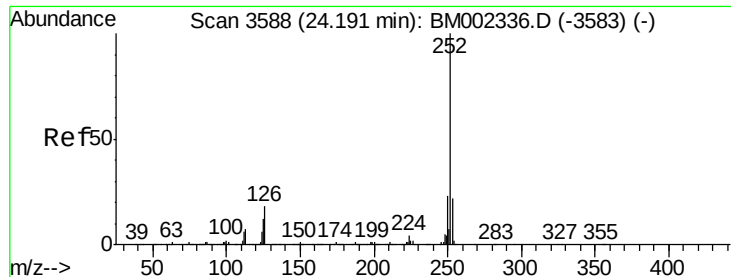
Tgt Ion:228 Resp: 4530695
Ion Ratio Lower Upper
228 100
226 28.3 23.4 35.0
229 22.1 15.5 23.3



#23
Benzo(b)fluoranthene
Concen: 1.14 ng/ul
RT: 23.93 min Scan# 3543
Delta R.T. -0.21 min
Lab File: BM002347.D
Acq: 12 Aug 2015 06:08

Tgt Ion:252 Resp: 25497
Ion Ratio Lower Upper
252 100
253 71.8 17.9 26.9#
125 45.4 10.3 15.5#





#24

Benzo(k)fluoranthene

Concen: 256.52 ng/ul

RT: 24.16 min Scan# 3582

Delta R.T. -0.04 min

Lab File: BM002347.D

Acq: 12 Aug 2015 06:08

Instrument :

BNA_M

ClientSampleId :

D9C84

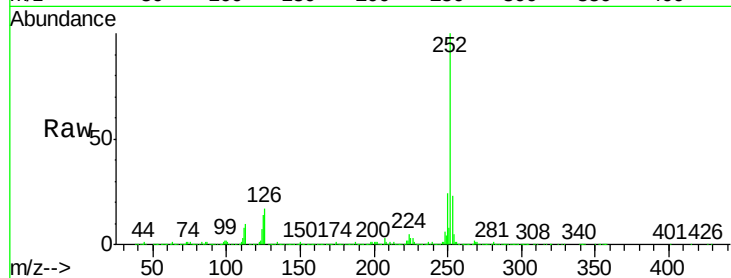
Tgt Ion:252 Resp: 5533313

Ion Ratio Lower Upper

252 100

253 23.3 17.3 25.9

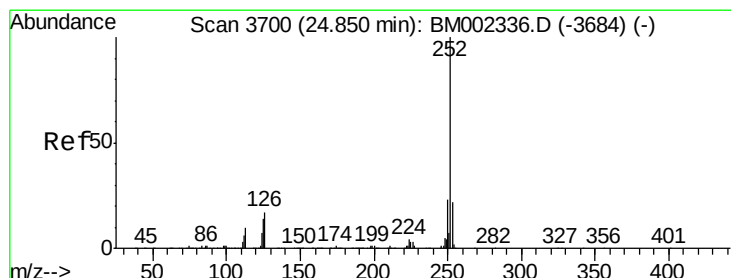
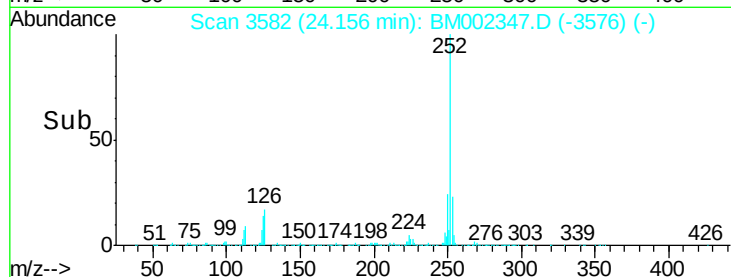
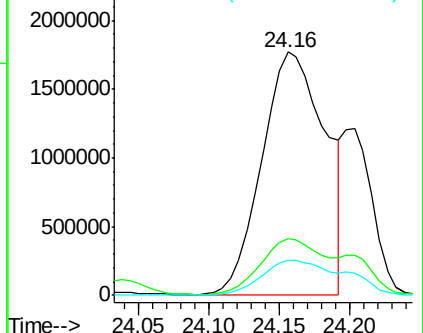
125 14.3 10.2 15.4



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: 119.67 ng/ul

RT: 24.75 min Scan# 3683

Delta R.T. -0.10 min

Lab File: BM002347.D

Acq: 12 Aug 2015 06:08

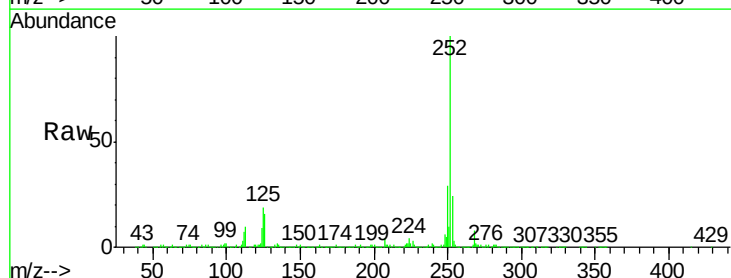
Tgt Ion:252 Resp: 2572089

Ion Ratio Lower Upper

252 100

253 24.5 17.3 25.9

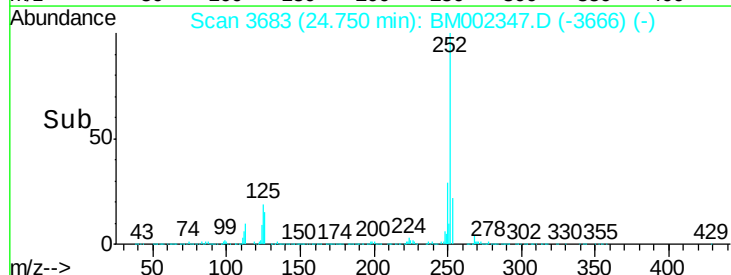
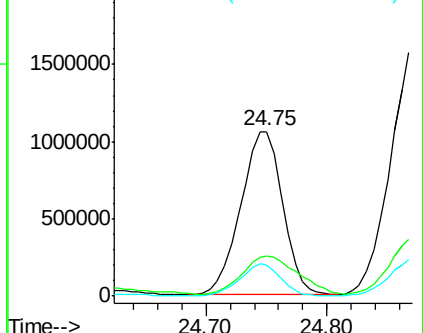
125 19.0 11.0 16.6#

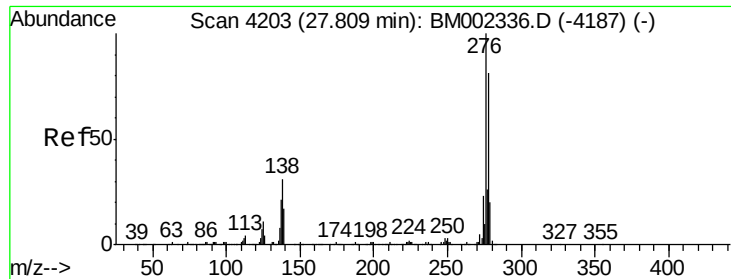


Abundance Ion 252.00 (251.70 to 252.70): E

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: 2.43 ng/ul

RT: 27.61 min Scan# 4170

Delta R.T. -0.19 min

Lab File: BM002347.D

Acq: 12 Aug 2015 06:08

Instrument :

BNA_M

ClientSampleId :

D9C84

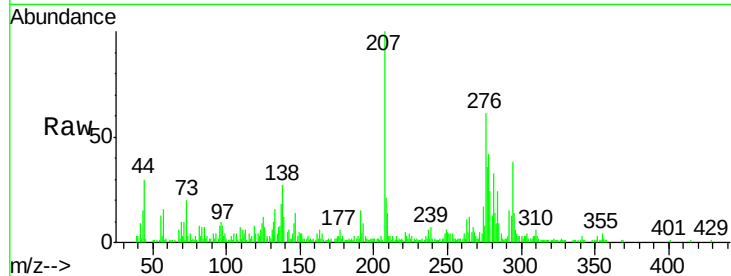
Tgt Ion:276 Resp: 59972

Ion Ratio Lower Upper

276 100

138 43.7 25.6 38.4#

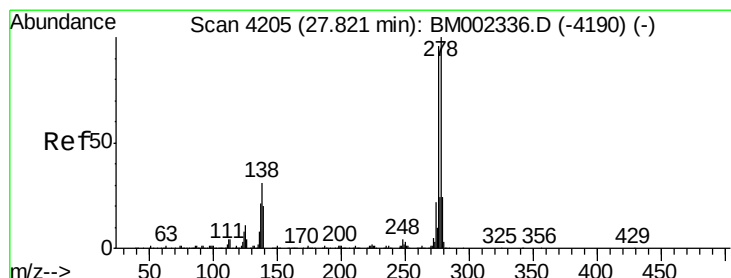
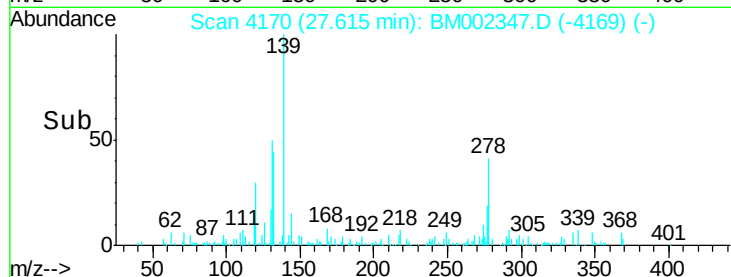
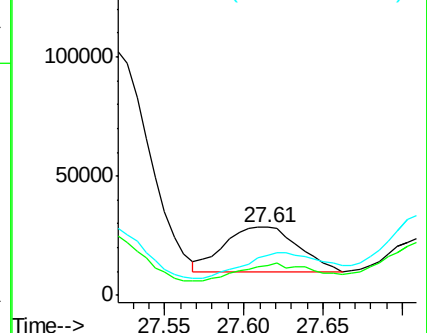
277 58.0 21.0 31.4#



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: 1.30 ng/ul

RT: 27.63 min Scan# 4172

Delta R.T. -0.19 min

Lab File: BM002347.D

Acq: 12 Aug 2015 06:08

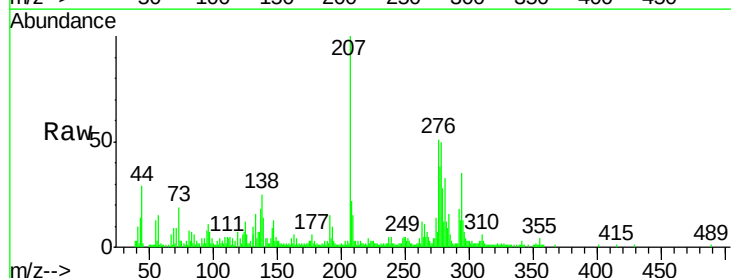
Tgt Ion:278 Resp: 27152

Ion Ratio Lower Upper

278 100

139 27.2 16.4 24.6#

279 55.7 18.8 28.2#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

