

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070116\
 Data File : BM006176.D
 Acq On : 01 Jul 2016 11:14
 Operator : UM/SJ
 Sample : H3780-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YF4

Quant Time: Jul 01 17:31:45 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 29 00:57:09 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	314953	20.00	ng/ul	0.00
7) Naphthalene-d8	10.44	136	1510605	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.31	164	867378	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.06	188	1926784	20.00	ng/ul	0.01
29) Chrysene-d12	21.27	240	1374355	20.00	ng/ul	0.02
34) Perylene-d12	23.50	264	1465357	20.00	ng/ul	0.04

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.16	96	7374	1.09	ng/uL	0.00
3) Phenol-d5	6.84	99	478310	18.59	ng/ul	0.01
4) Bis-(2-Chloroethyl)ether-d	6.99	67	276903	18.25	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	360488	18.25	ng/ul	0.00
6) 4-Methylphenol-d8	8.37	113	397800	19.21	ng/ul	0.00
8) Nitrobenzene-d5	8.82	128	186286	18.31	ng/ul	0.01
9) 2-Nitrophenol-d4	9.53	143	220239	18.91	ng/ul	0.01
10) 2,4-Dichlorophenol-d3	10.07	165	388351	18.28	ng/ul	0.01
12) 4-Chloroaniline-d4	10.58	131	288824	17.20	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	1191666	19.17	ng/ul	0.00
17) Acenaphthylene-d8	14.00	160	1497442	19.85	ng/ul	0.01
20) 4-Nitrophenol-d4	14.53	143	233469	19.79	ng/ul	0.02
21) Fluorene-d10	15.31	176	1039996	19.60	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.45	200	195376	28.63	ng/ul	0.02
26) Anthracene-d10	17.16	188	1597065	20.66	ng/ul	0.01
30) Pyrene-d10	19.47	212	1521989	27.50	ng/ul	0.02
37) Benzo(a)pyrene-d12	23.36	264	1202024	20.61	ng/ul	0.04

Target Compounds

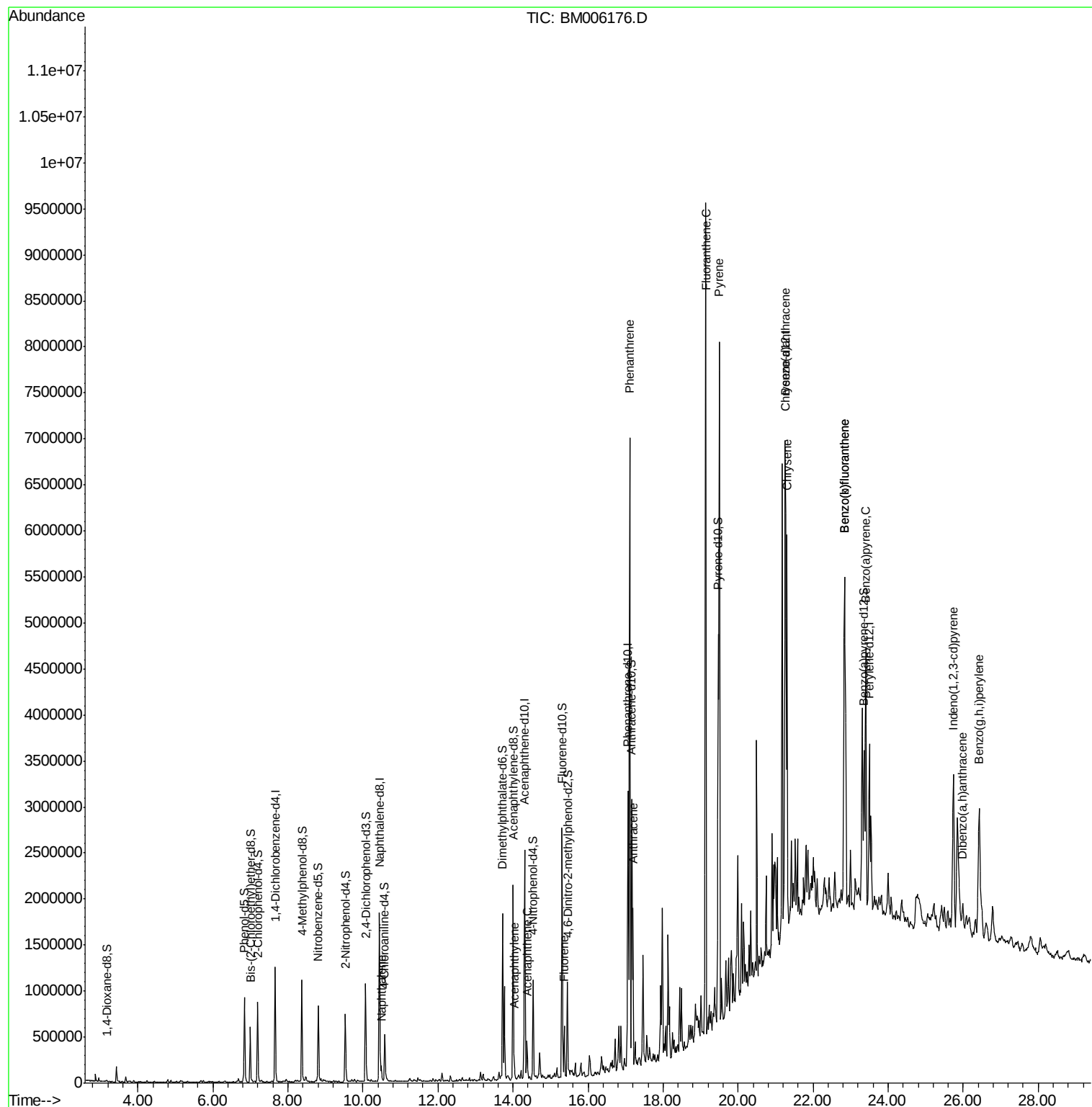
					Qvalue
11) Naphthalene	10.49	128	114252	1.73 ng/ul	100
18) Acenaphthylene	14.03	152	111623	1.41 ng/ul	96
19) Acenaphthene	14.37	153	158247	3.14 ng/ul	97
22) Fluorene	15.36	166	239838	4.18 ng/ul	97
25) Phenanthrene	17.11	178	4446840	48.77 ng/ul	99
27) Anthracene	17.20	178	983355	10.49 ng/ul	100
28) Fluoranthene	19.14	202	6619674	59.28 ng/ul	95
31) Pyrene	19.50	202	5488886	75.72 ng/ul#	92
32) Benzo(a)anthracene	21.25	228	2572327	35.99 ng/ul	98
33) Chrysene	21.30	228	2630615	39.98 ng/ul	96
35) Benzo(b)fluoranthene	22.84	252	3430463	45.11 ng/ul	98
36) Benzo(k)fluoranthene	22.84	252	3430463	48.08 ng/ul	99
38) Benzo(a)pyrene	23.40	252	2245408	31.25 ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.74	276	1751122	23.45 ng/ul#	92
40) Dibenzo(a,h)anthracene	26.00	278	320137	5.18 ng/ul	94
41) Benzo(g,h,i)perylene	26.43	276	1641024	26.25 ng/ul	97

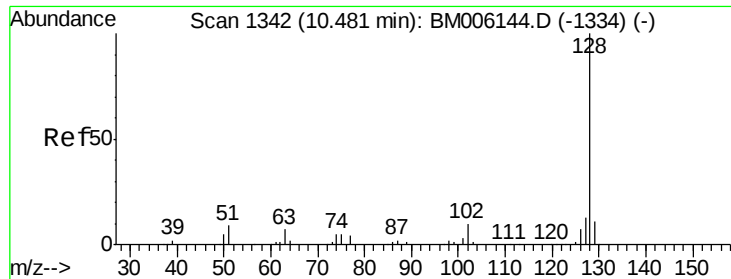
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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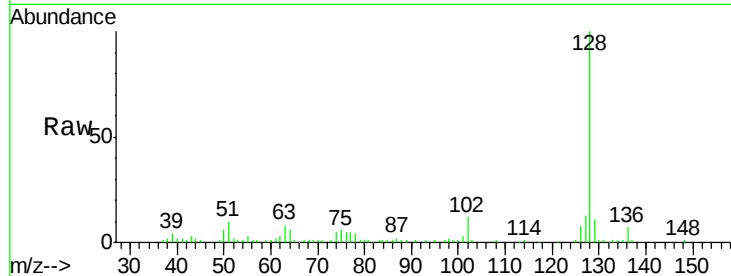




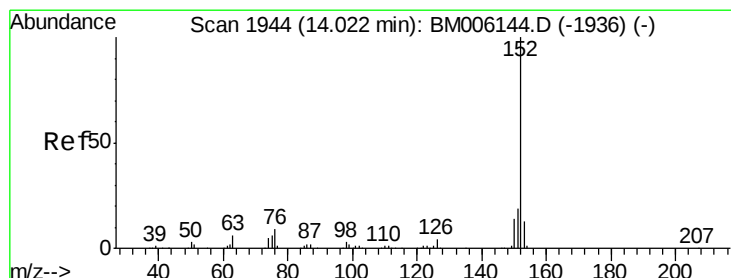
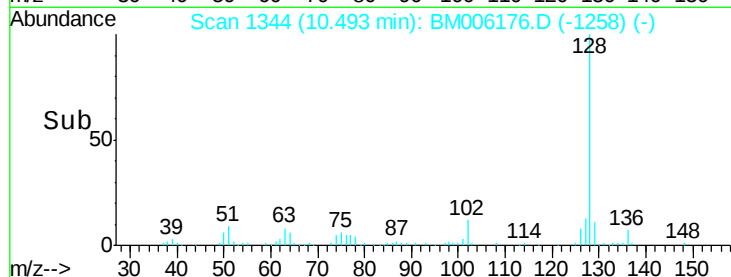
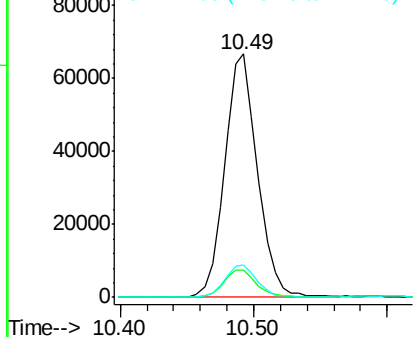
#11
Naphthalene
Concen: 1.73 ng/ul
RT: 10.49 min Scan# 1344
Delta R.T. 0.01 min
Lab File: BM006176.D
Acq: 01 Jul 2016 11:14

Instrument :
BNA_M
ClientSampleId :
D9YF4

Tgt Ion:128 Resp: 114252
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 13.3 10.5 15.7

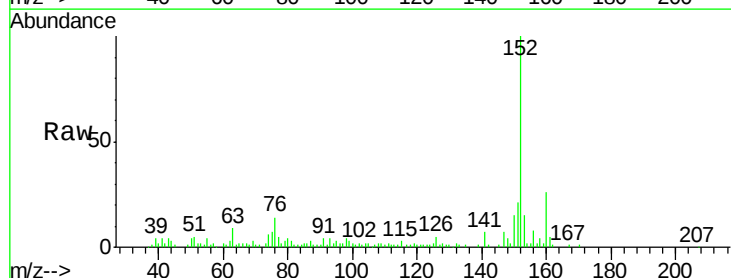


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

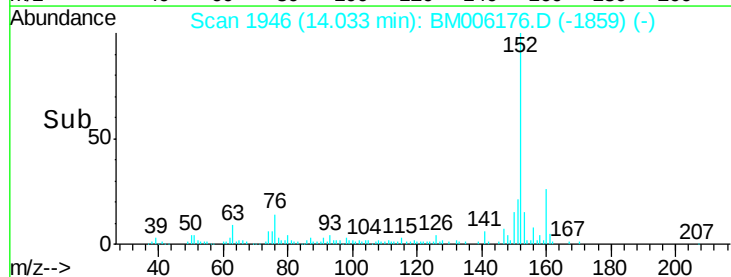
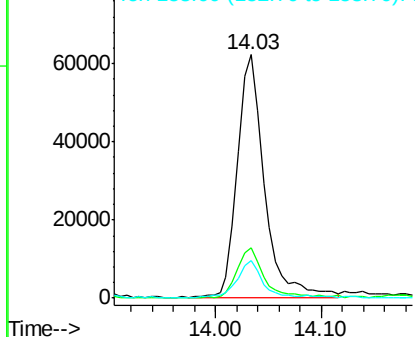


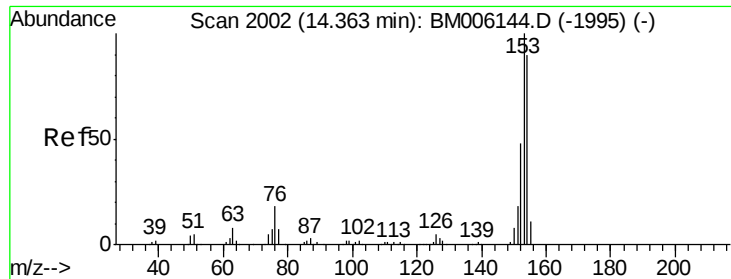
#18
Acenaphthylene
Concen: 1.41 ng/ul
RT: 14.03 min Scan# 1946
Delta R.T. 0.01 min
Lab File: BM006176.D
Acq: 01 Jul 2016 11:14

Tgt Ion:152 Resp: 111623
Ion Ratio Lower Upper
152 100
151 20.8 15.8 23.6
153 15.4 10.3 15.5



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#19

Acenaphthene

Concen: 3.14 ng/ul

RT: 14.37 min Scan# 2004

Delta R.T. 0.01 min

Lab File: BM006176.D

Acq: 01 Jul 2016 11:14

Instrument :

BNA_M

ClientSampleId :

D9YF4

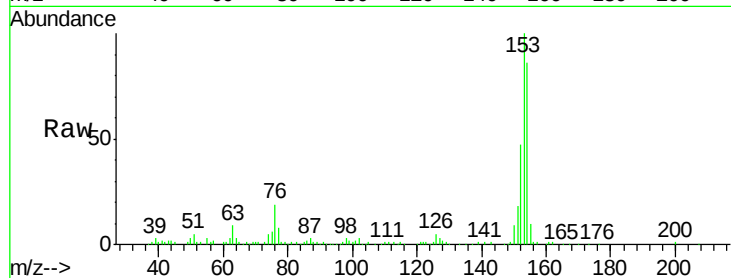
Tgt Ion:153 Resp: 158247

Ion Ratio Lower Upper

153 100

152 46.5 38.1 57.1

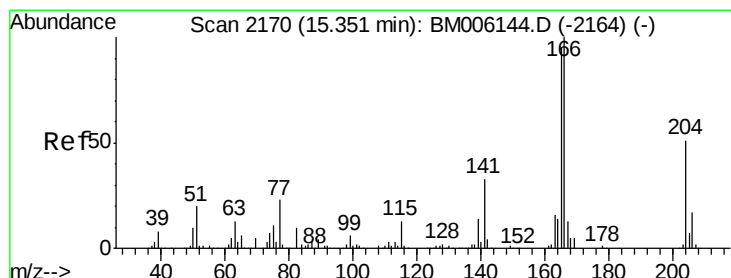
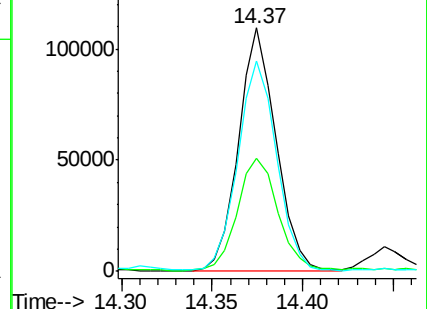
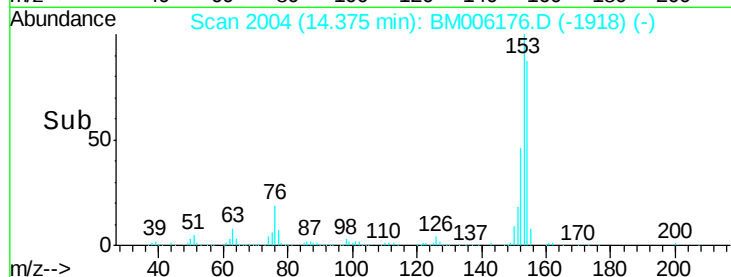
154 86.4 71.6 107.4



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



#22

Fluorene

Concen: 4.18 ng/ul

RT: 15.36 min Scan# 2172

Delta R.T. 0.01 min

Lab File: BM006176.D

Acq: 01 Jul 2016 11:14

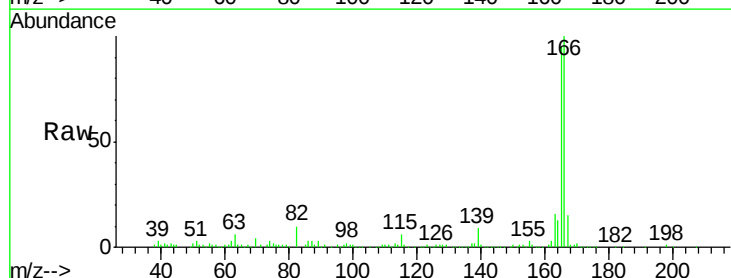
Tgt Ion:166 Resp: 239838

Ion Ratio Lower Upper

166 100

165 94.9 78.4 117.6

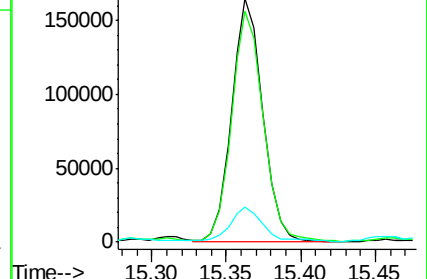
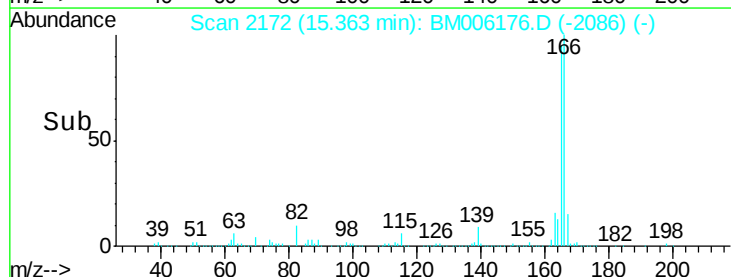
167 14.5 10.6 16.0

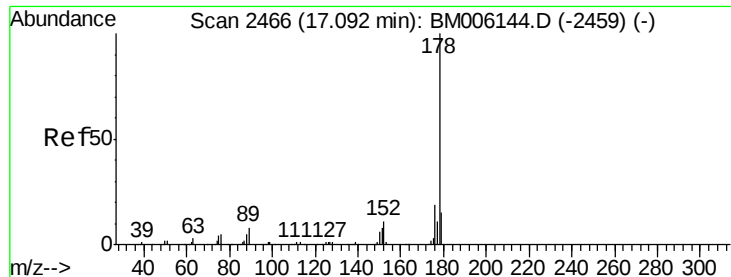


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 48.77 ng/ul

RT: 17.11 min Scan# 2469

Delta R.T. 0.02 min

Lab File: BM006176.D

Acq: 01 Jul 2016 11:14

Instrument :

BNA_M

ClientSampleId :

D9YF4

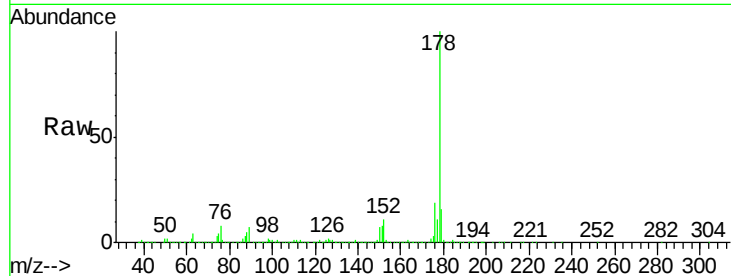
Tgt Ion:178 Resp: 4446840

Ion Ratio Lower Upper

178 100

179 15.7 12.2 18.2

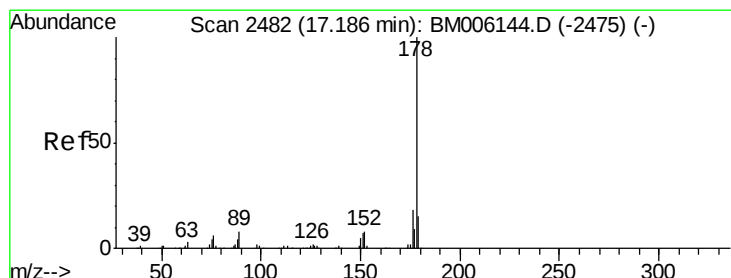
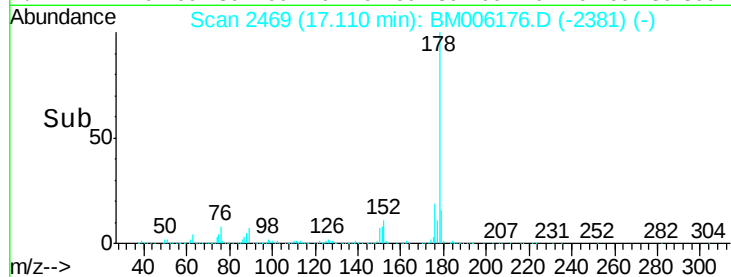
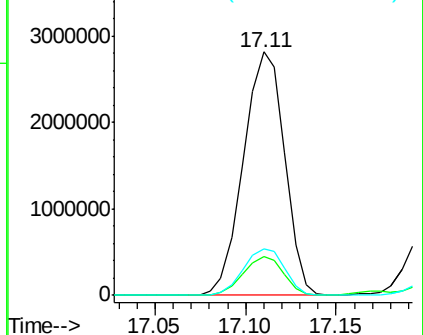
176 19.1 15.3 22.9



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



#27

Anthracene

Concen: 10.49 ng/ul

RT: 17.20 min Scan# 2484

Delta R.T. 0.01 min

Lab File: BM006176.D

Acq: 01 Jul 2016 11:14

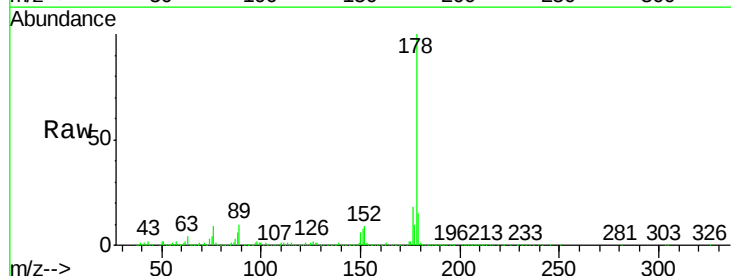
Tgt Ion:178 Resp: 983355

Ion Ratio Lower Upper

178 100

179 15.3 12.3 18.5

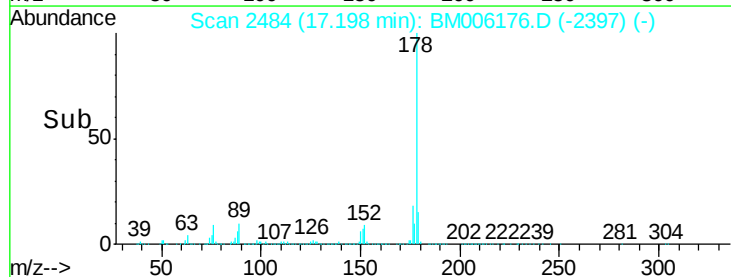
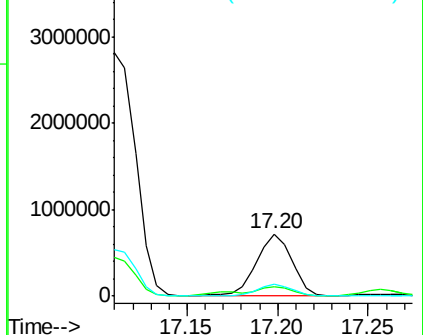
176 18.4 14.6 22.0

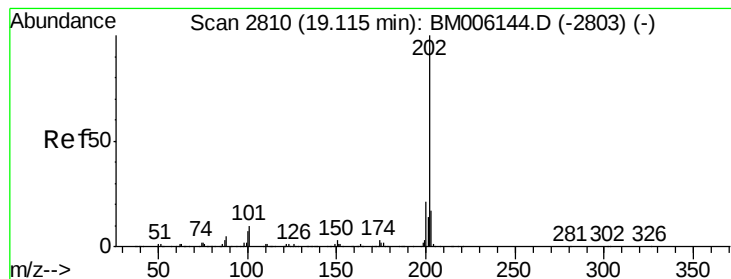


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 59.28 ng/ul

RT: 19.14 min Scan# 2814

Delta R.T. 0.02 min

Lab File: BM006176.D

Acq: 01 Jul 2016 11:14

Instrument :

BNA_M

ClientSampleId :

D9YF4

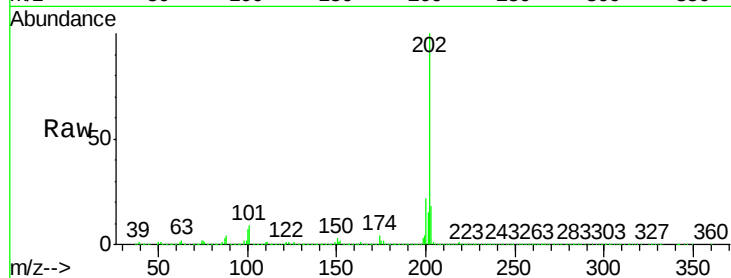
Tgt Ion:202 Resp: 6619674

Ion Ratio Lower Upper

202 100

101 8.9 8.5 12.7

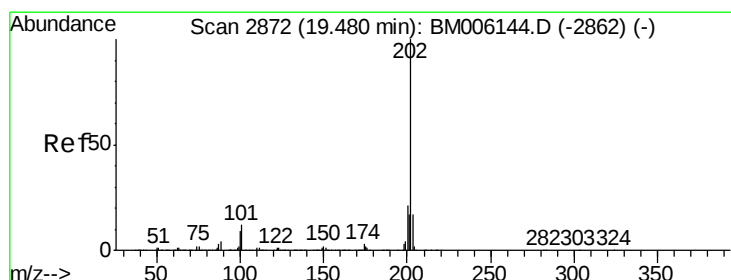
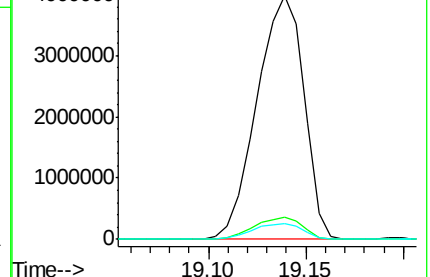
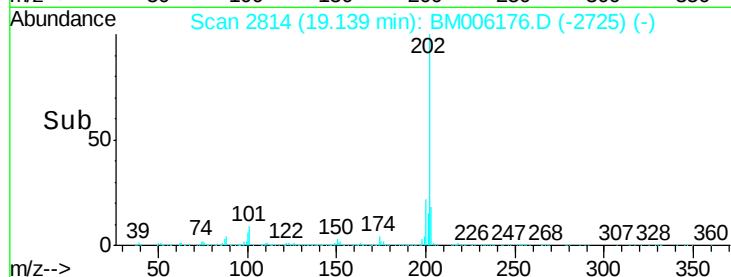
100 6.5 6.5 9.7



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



#31

Pyrene

Concen: 75.72 ng/ul

RT: 19.50 min Scan# 2876

Delta R.T. 0.02 min

Lab File: BM006176.D

Acq: 01 Jul 2016 11:14

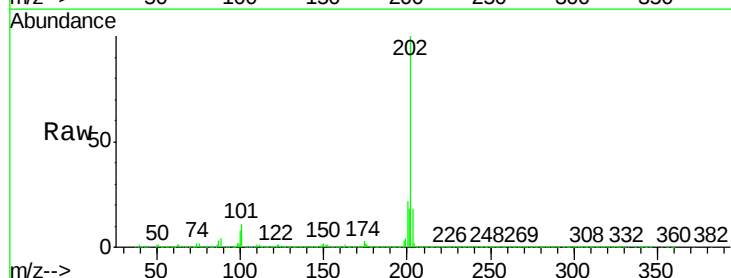
Tgt Ion:202 Resp: 5488886

Ion Ratio Lower Upper

202 100

101 10.5 11.0 16.4#

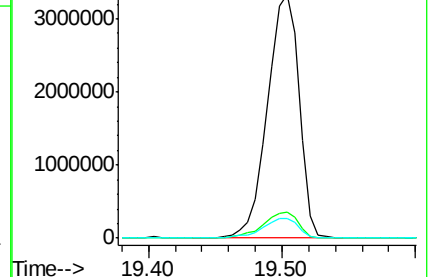
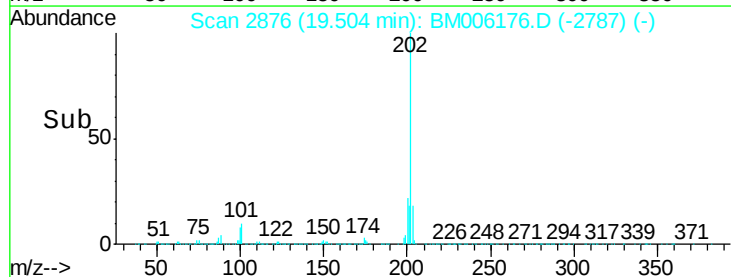
100 8.2 8.9 13.3#

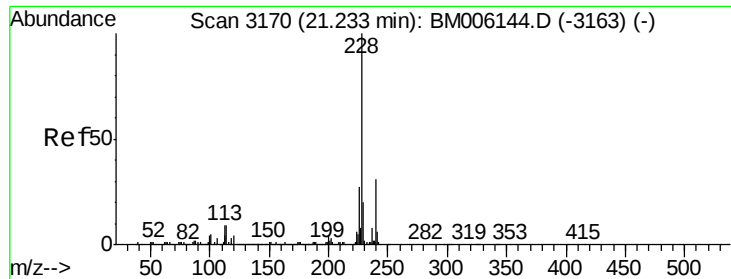


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 35.99 ng/ul

RT: 21.25 min Scan# 3173

Delta R.T. 0.02 min

Lab File: BM006176.D

Acq: 01 Jul 2016 11:14

Instrument :

BNA_M

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D9YF4

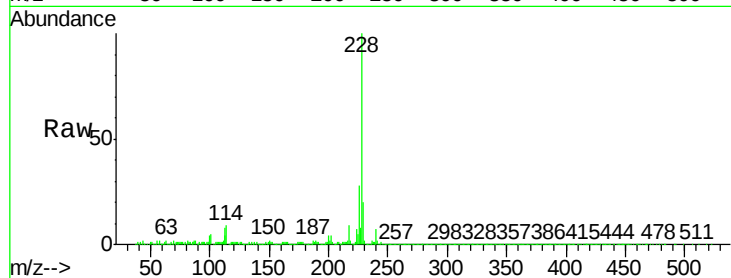
Tgt Ion:228 Resp: 2572327

Ion Ratio Lower Upper

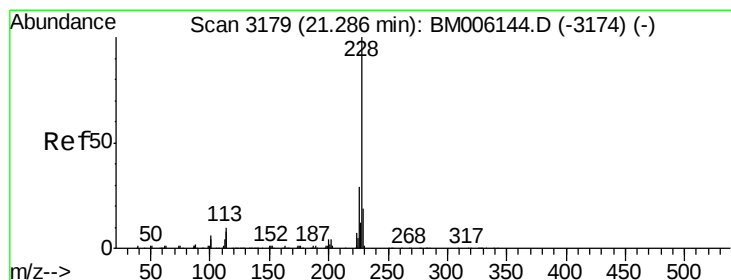
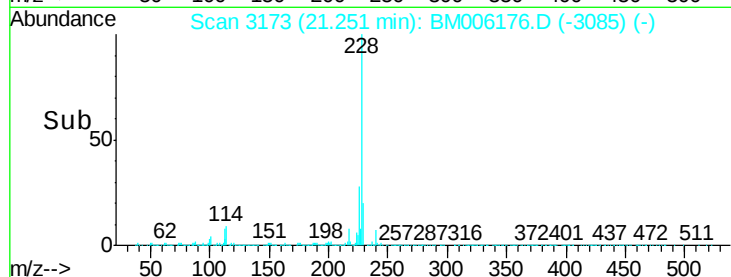
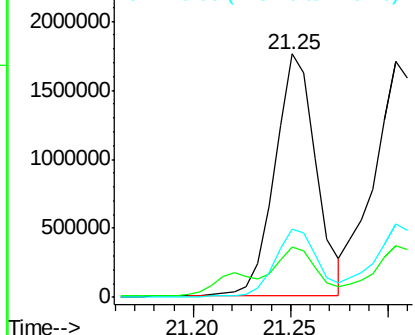
228 100

229 20.5 15.6 23.4

226 27.9 21.6 32.4



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



#33

Chrysene

Concen: 39.98 ng/ul

RT: 21.30 min Scan# 3182

Delta R.T. 0.02 min

Lab File: BM006176.D

Acq: 01 Jul 2016 11:14

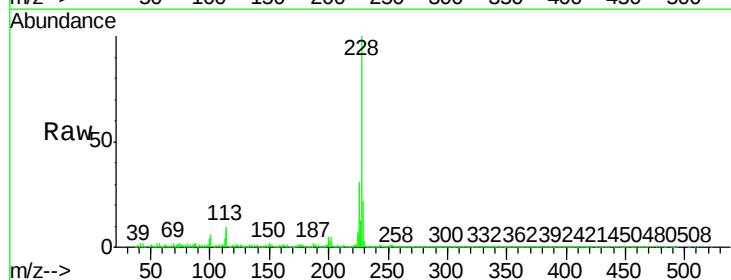
Tgt Ion:228 Resp: 2630615

Ion Ratio Lower Upper

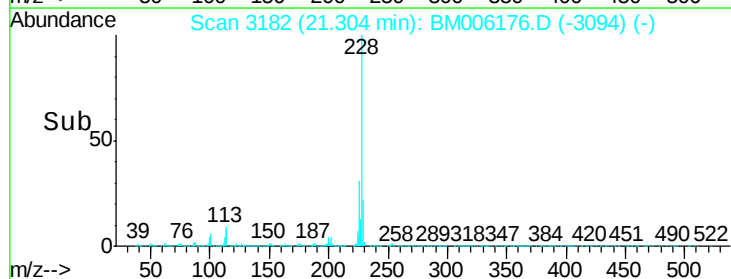
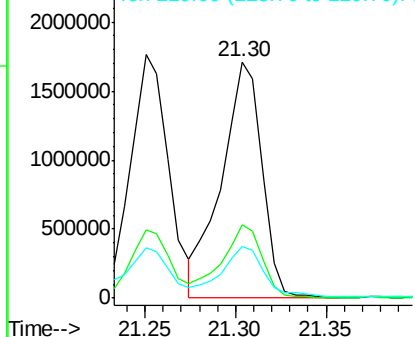
228 100

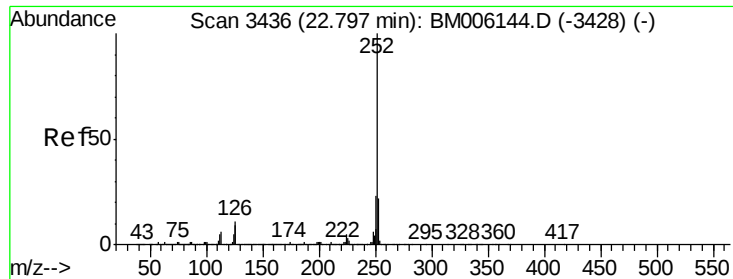
226 31.2 23.8 35.6

229 21.9 15.8 23.6



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

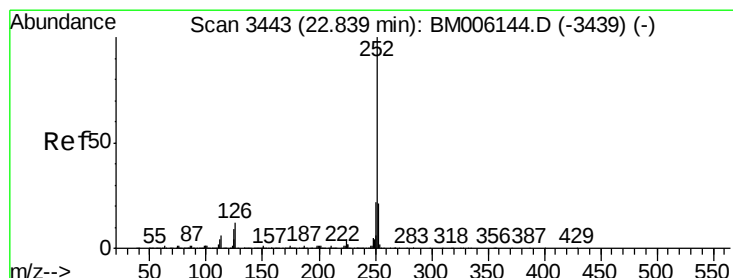
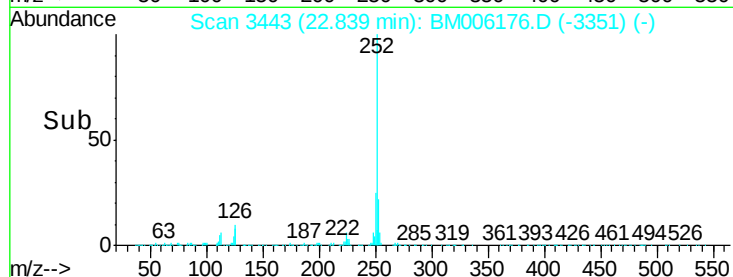
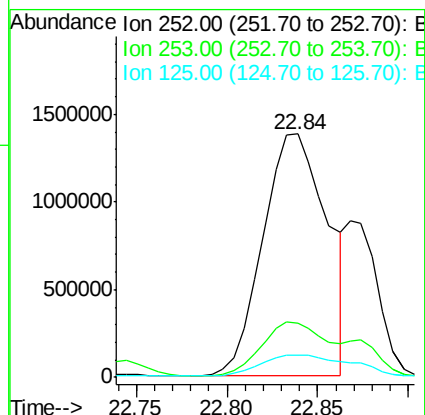
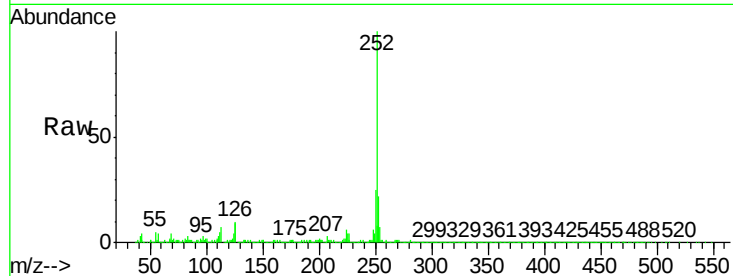




#35
Benzo(b)fluoranthene
Concen: 45.11 ng/ul
RT: 22.84 min Scan# 3443
Delta R.T. 0.04 min
Lab File: BM006176.D
Acq: 01 Jul 2016 11:14

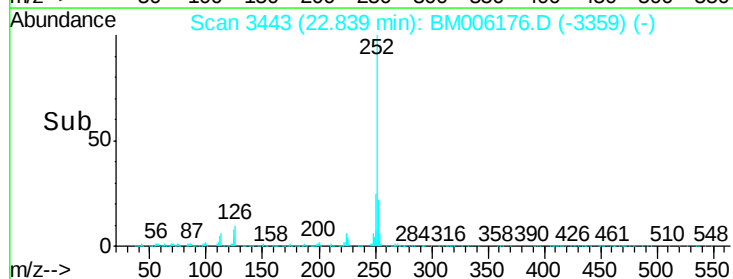
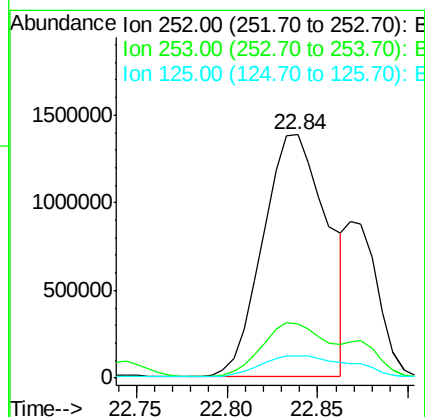
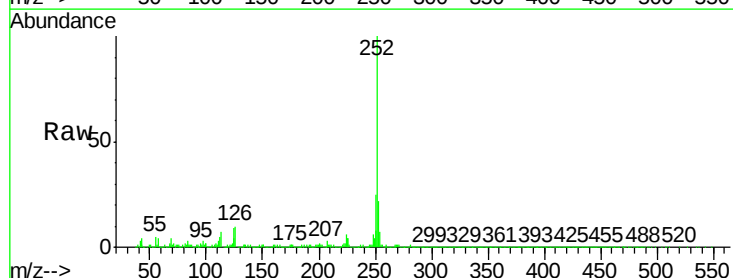
Instrument :
BNA_M
ClientSampleId :
D9YF4

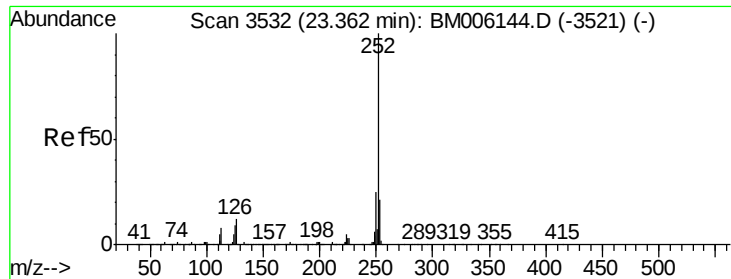
Tgt Ion:252 Resp: 3430463
Ion Ratio Lower Upper
252 100
253 22.4 17.2 25.8
125 9.2 7.8 11.6



#36
Benzo(k)fluoranthene
Concen: 48.08 ng/ul
RT: 22.84 min Scan# 3443
Delta R.T. -0.01 min
Lab File: BM006176.D
Acq: 01 Jul 2016 11:14

Tgt Ion:252 Resp: 3430463
Ion Ratio Lower Upper
252 100
253 22.4 17.6 26.4
125 9.2 8.1 12.1





#38

Benzo(a)pyrene

Concen: 31.25 ng/ul

RT: 23.40 min Scan# 3539

Delta R.T. 0.04 min

Lab File: BM006176.D

Acq: 01 Jul 2016 11:14

Instrument :

BNA_M

ClientSampleId :

D9YF4

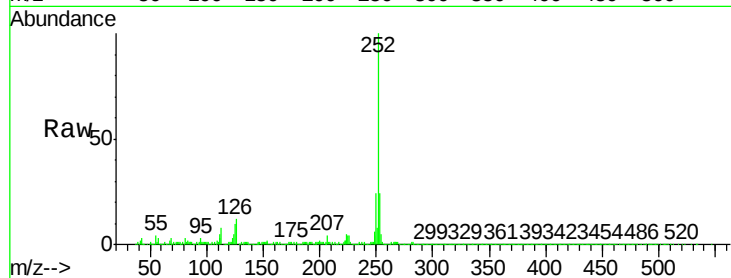
Tgt Ion:252 Resp: 2245408

Ion Ratio Lower Upper

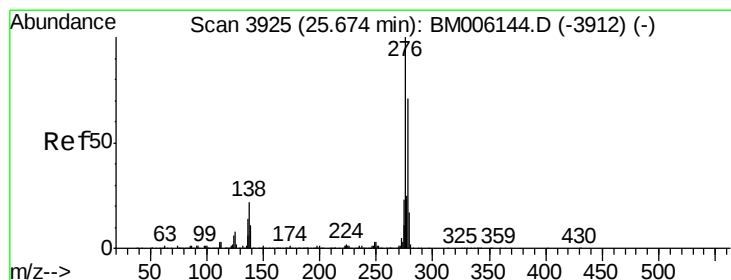
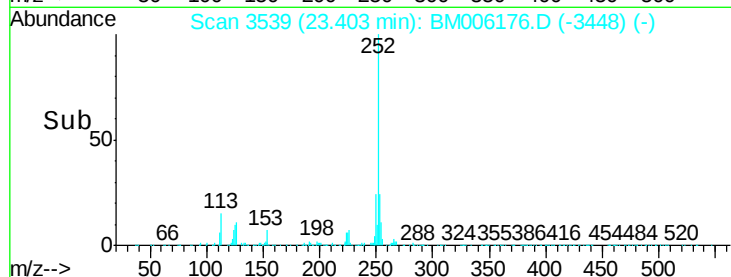
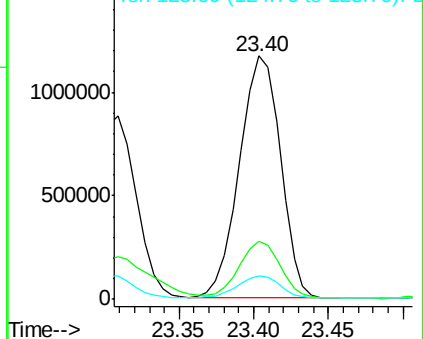
252 100

253 23.6 17.8 26.6

125 9.7 8.7 13.1



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



#39

Indeno(1,2,3-cd)pyrene

Concen: 23.45 ng/ul

RT: 25.74 min Scan# 3937

Delta R.T. 0.06 min

Lab File: BM006176.D

Acq: 01 Jul 2016 11:14

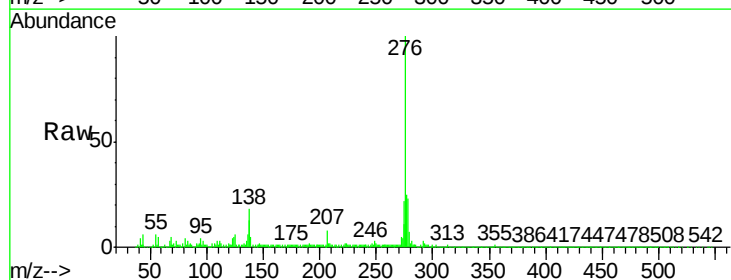
Tgt Ion:276 Resp: 1751122

Ion Ratio Lower Upper

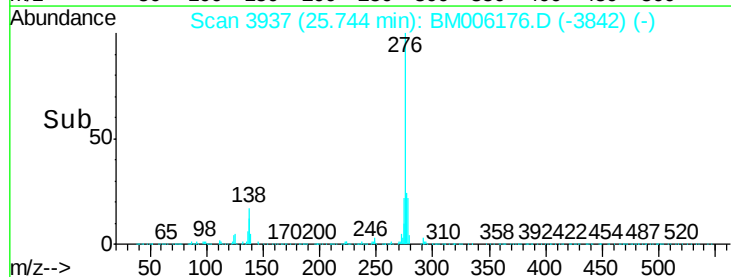
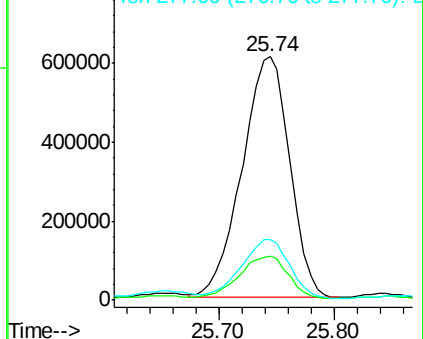
276 100

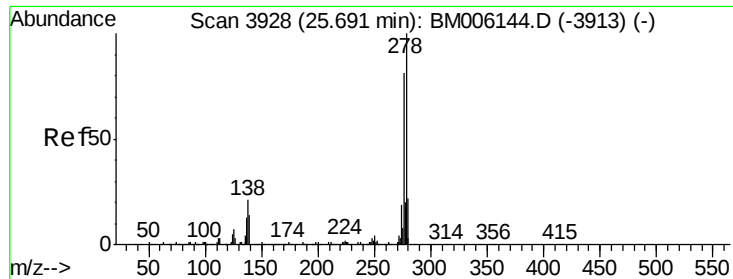
138 17.9 20.4 30.6#

277 24.8 20.6 30.8



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





#40

Dibenzo(a,h)anthracene

Concen: 5.18 ng/ul

RT: 26.00 min Scan# 3980

Delta R.T. 0.31 min

Lab File: BM006176.D

Acq: 01 Jul 2016 11:14

Instrument :

BNA_M

ClientSampleId :

D9YF4

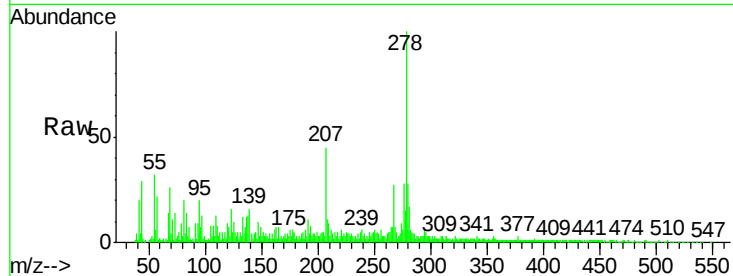
Tgt Ion:278 Resp: 320137

Ion Ratio Lower Upper

278 100

139 15.6 13.0 19.4

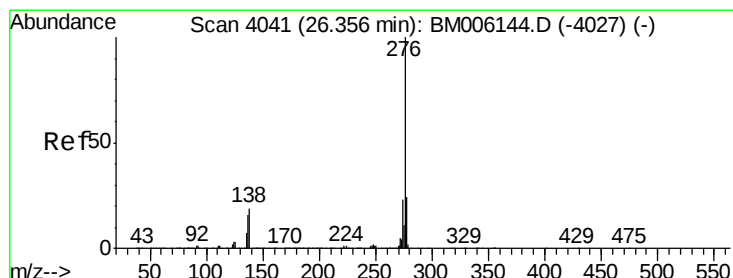
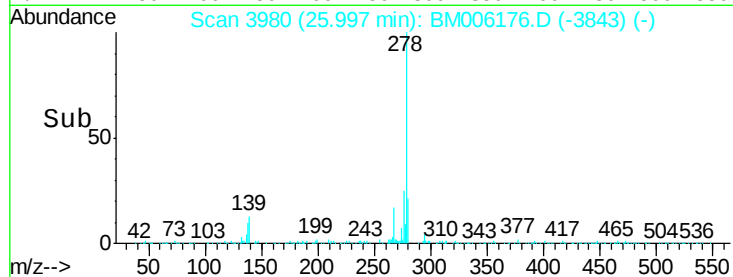
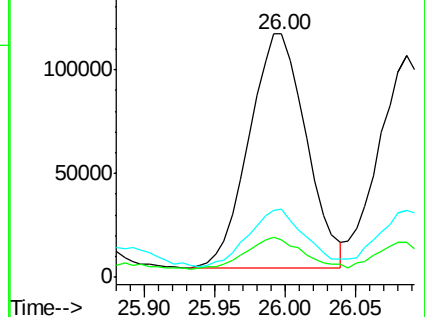
279 28.0 18.8 28.2



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



#41

Benzo(g,h,i)perylene

Concen: 26.25 ng/ul

RT: 26.43 min Scan# 4054

Delta R.T. 0.08 min

Lab File: BM006176.D

Acq: 01 Jul 2016 11:14

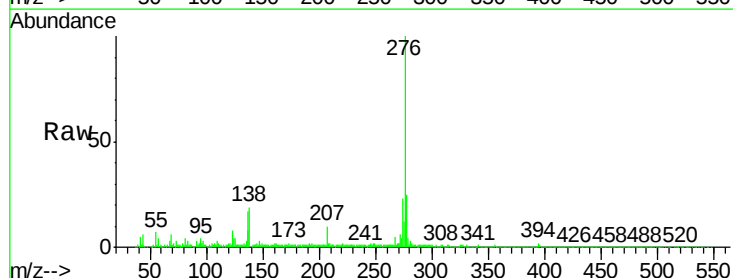
Tgt Ion:276 Resp: 1641024

Ion Ratio Lower Upper

276 100

138 19.3 16.6 25.0

277 24.7 18.9 28.3



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

