

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM063016\
 Data File : BM006167.D
 Acq On : 30 Jun 2016 21:00
 Operator : UM/SJ
 Sample : H3780-05MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YF4MSD

Quant Time: Jul 01 00:59:23 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	219204	20.00	ng/ul	0.00
7) Naphthalene-d8	10.44	136	850674	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	434998	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.06	188	929999	20.00	ng/ul	0.00
29) Chrysene-d12	21.26	240	923703	20.00	ng/ul	0.00
34) Perylene-d12	23.48	264	1083187	20.00	ng/ul	0.02

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.17	96	9632	2.04	ng/uL	0.00
3) Phenol-d5	6.83	99	417452	23.31	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	257760	24.41	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	319896	23.27	ng/ul	0.00
6) 4-Methylphenol-d8	8.37	113	321915	22.34	ng/ul	0.00
8) Nitrobenzene-d5	8.81	128	156408	27.30	ng/ul	0.00
9) 2-Nitrophenol-d4	9.53	143	174099	26.55	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	306192	25.59	ng/ul	0.00
12) 4-Chloroaniline-d4	10.58	131	243120	25.71	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	853030	27.36	ng/ul	0.00
17) Acenaphthylene-d8	14.00	160	1087356	28.74	ng/ul	0.00
20) 4-Nitrophenol-d4	14.53	143	162020	27.39	ng/ul	0.02
21) Fluorene-d10	15.30	176	741190	27.86	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.44	200	113237	34.38	ng/ul	0.01
26) Anthracene-d10	17.16	188	1114306	29.87	ng/ul	0.00
30) Pyrene-d10	19.46	212	1182792	31.80	ng/ul	0.01
37) Benzo(a)pyrene-d12	23.34	264	1263454	29.31	ng/ul	0.02

Target Compounds

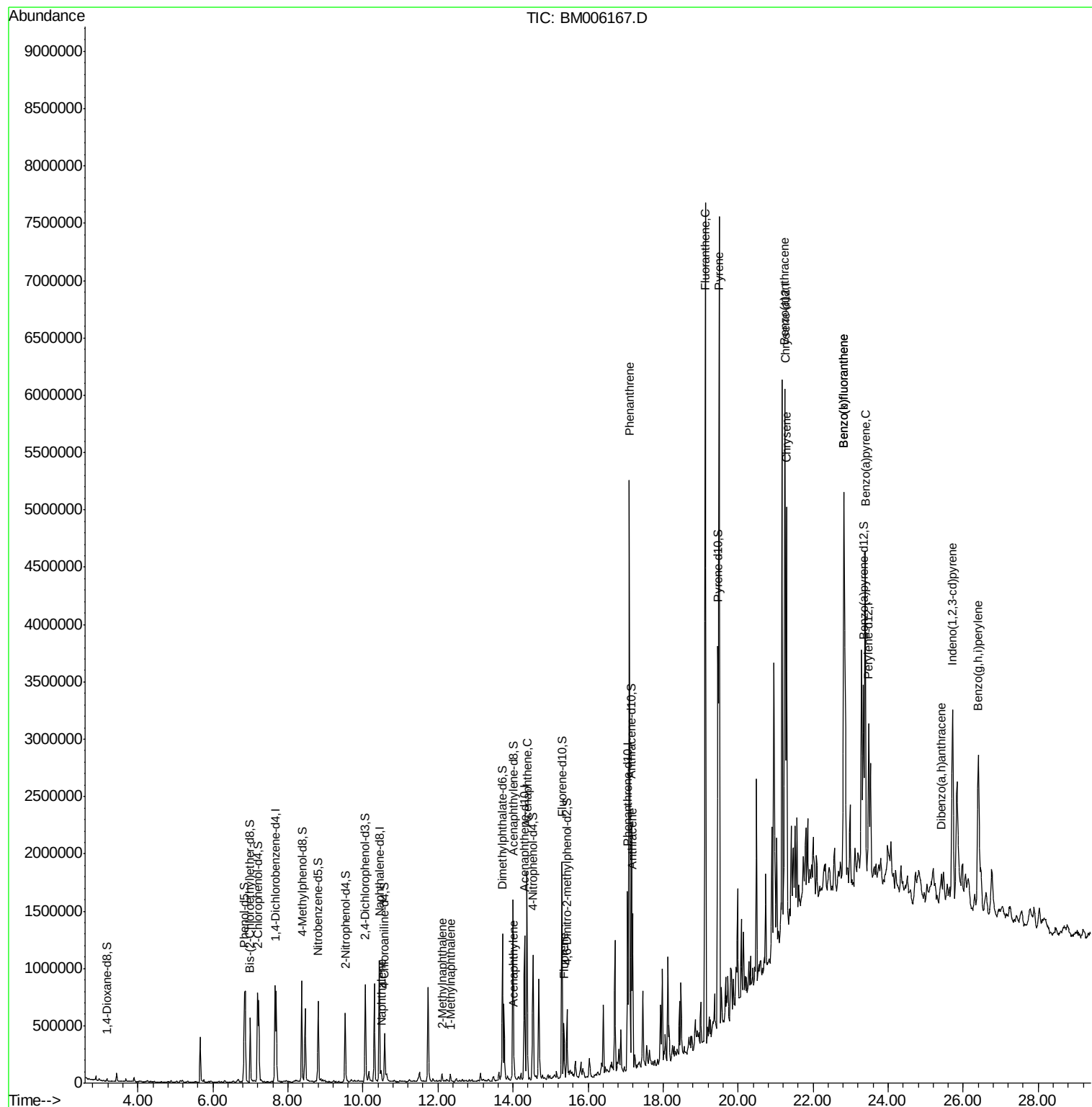
						Qvalue
11) Naphthalene	10.49	128	63996	1.72	ng/ul	99
13) 2-Methylnaphthalene	12.11	142	33710	1.19	ng/ul	98
14) 1-Methylnaphthalene	12.33	142	30683	1.14	ng/ul	95
18) Acenaphthylene	14.03	152	111981	2.83	ng/ul	99
19) Acenaphthene	14.37	153	760287	30.07	ng/ul	98
22) Fluorene	15.36	166	208410	7.24	ng/ul	98
25) Phenanthrene	17.10	178	3213139	73.01	ng/ul	100
27) Anthracene	17.19	178	800307	17.69	ng/ul	99
28) Fluoranthene	19.13	202	4965569	92.13	ng/ul	97
31) Pyrene	19.49	202	4889890	100.36	ng/ul	94
32) Benzo(a)anthracene	21.24	228	2331899	48.55	ng/ul	97
33) Chrysene	21.30	228	2323683	52.55	ng/ul	97
35) Benzo(b)fluoranthene	22.82	252	3369806	59.95	ng/ul	97
36) Benzo(k)fluoranthene	22.82	252	3369806	63.90	ng/ul	97
38) Benzo(a)pyrene	23.39	252	2167588	40.81	ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.72	276	1739680	31.51	ng/ul#	93
40) Dibenzo(a,h)anthracene	25.41	278	293066	6.42	ng/ul	94
41) Benzo(g,h,i)perylene	26.41	276	1626993	35.21	ng/ul	97

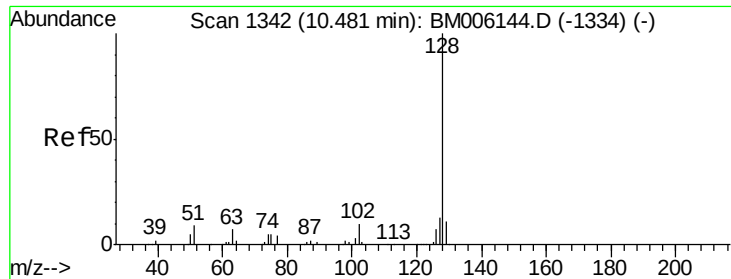
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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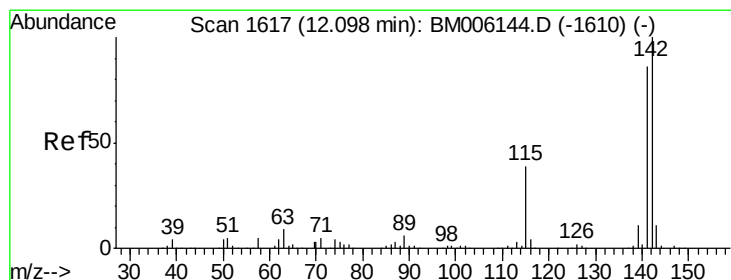
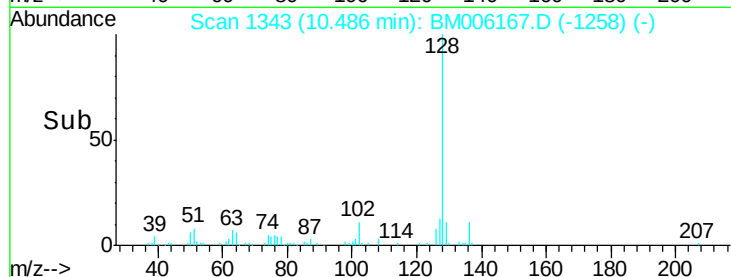
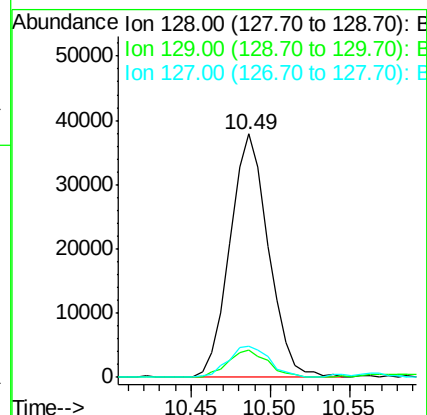
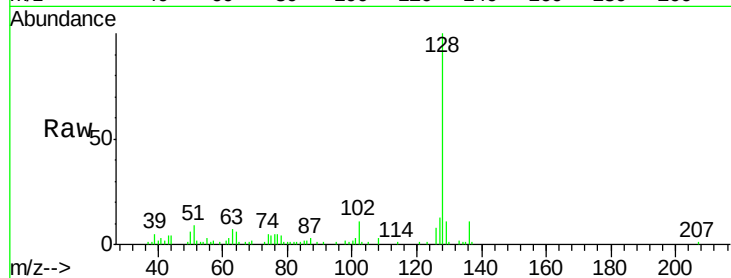




#11
Naphthalene
Concen: 1.72 ng/ul
RT: 10.49 min Scan# 1343
Delta R.T. -0.00 min
Lab File: BM006167.D
Acq: 30 Jun 2016 21:00

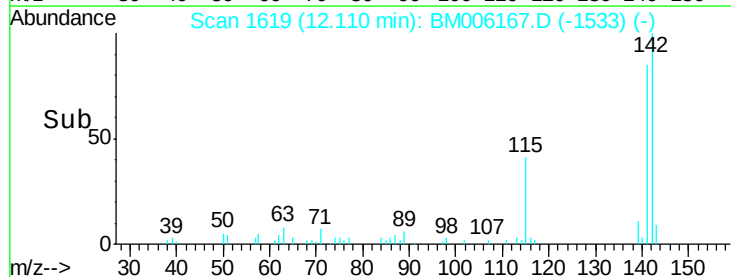
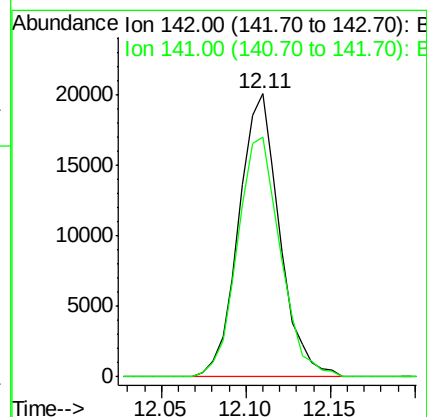
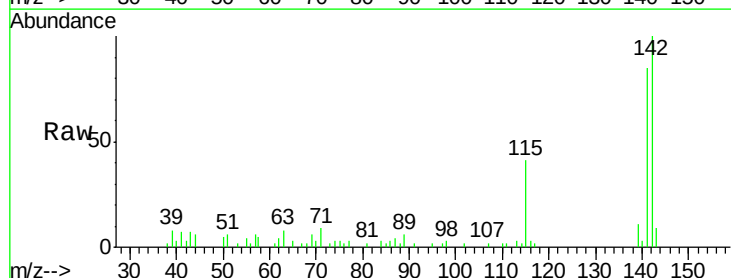
Instrument :
BNA_M
ClientSampleId :
D9YF4MSD

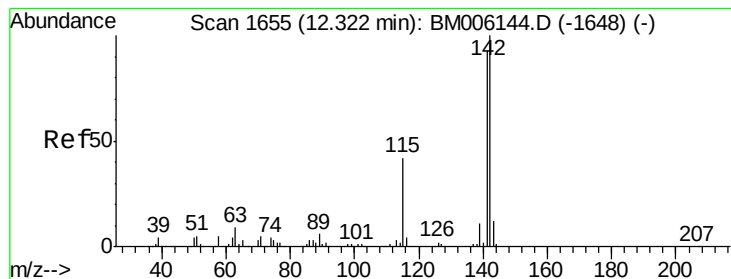
Tgt Ion:128 Resp: 63996
Ion Ratio Lower Upper
128 100
129 11.2 8.9 13.3
127 12.7 10.5 15.7



#13
2-Methylnaphthalene
Concen: 1.19 ng/ul
RT: 12.11 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BM006167.D
Acq: 30 Jun 2016 21:00

Tgt Ion:142 Resp: 33710
Ion Ratio Lower Upper
142 100
141 84.9 69.0 103.6





#14

1-Methylnaphthalene

Concen: 1.14 ng/ul

RT: 12.33 min Scan# 1656

Delta R.T. -0.00 min

Lab File: BM006167.D

Acq: 30 Jun 2016 21:00

Instrument :

BNA_M

ClientSampleId :

D9YF4MSD

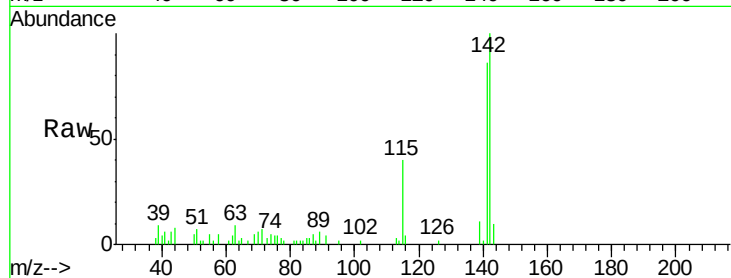
Tgt Ion:142 Resp: 30683

Ion Ratio Lower Upper

142 100

141 86.2 73.0 109.4

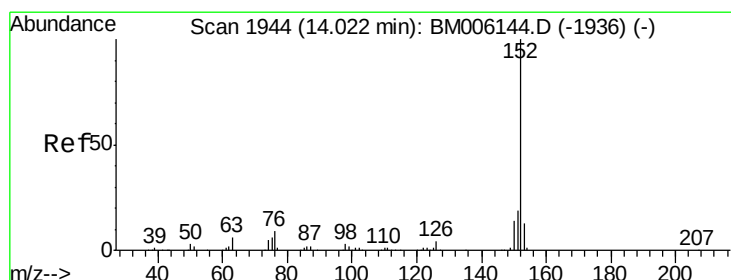
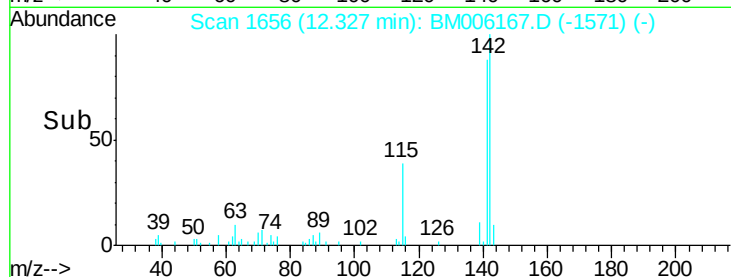
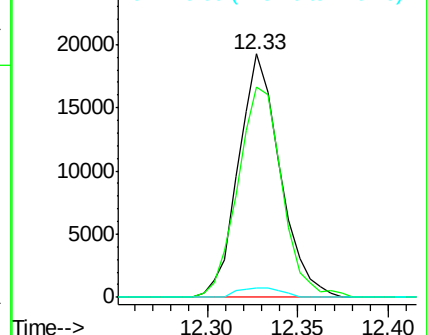
116 4.0 3.0 4.6



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



#18

Acenaphthylene

Concen: 2.83 ng/ul

RT: 14.03 min Scan# 1945

Delta R.T. 0.01 min

Lab File: BM006167.D

Acq: 30 Jun 2016 21:00

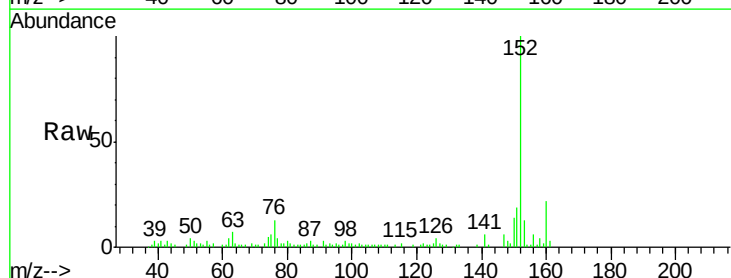
Tgt Ion:152 Resp: 111981

Ion Ratio Lower Upper

152 100

151 19.1 15.8 23.6

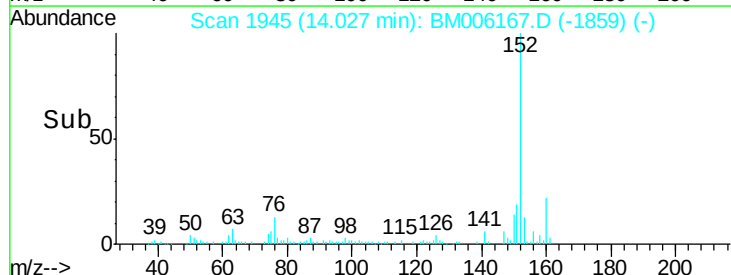
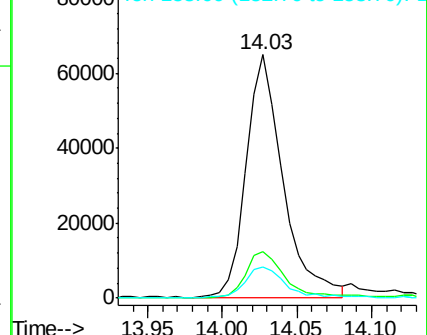
153 12.5 10.3 15.5

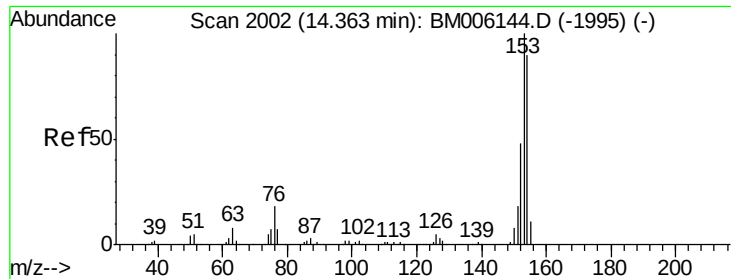


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#19

Acenaphthene

Concen: 30.07 ng/ul

RT: 14.37 min Scan# 2004

Delta R.T. 0.01 min

Lab File: BM006167.D

Acq: 30 Jun 2016 21:00

Instrument :

BNA_M

ClientSampleId :

D9YF4MSD

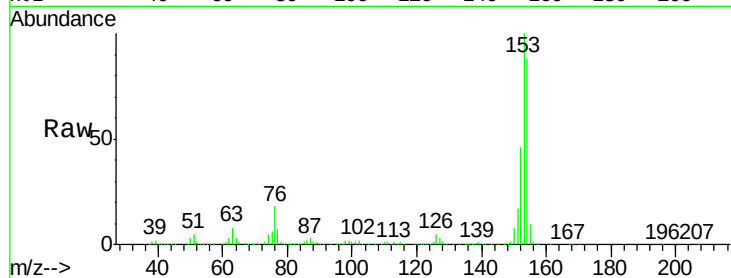
Tgt Ion:153 Resp: 760287

Ion Ratio Lower Upper

153 100

152 46.3 38.1 57.1

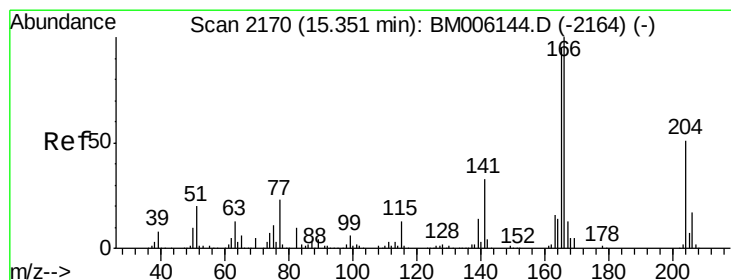
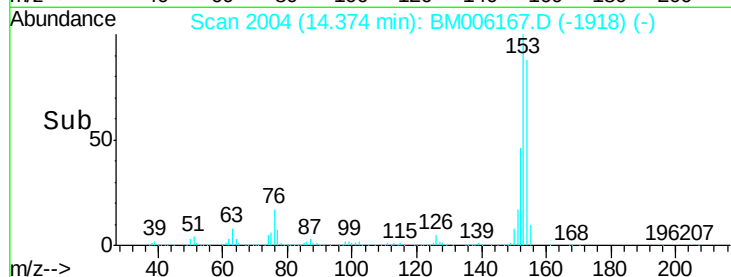
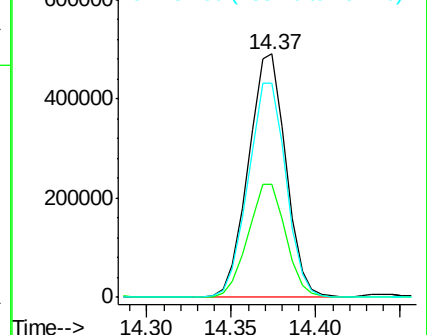
154 88.2 71.6 107.4



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: 7.24 ng/ul

RT: 15.36 min Scan# 2171

Delta R.T. -0.00 min

Lab File: BM006167.D

Acq: 30 Jun 2016 21:00

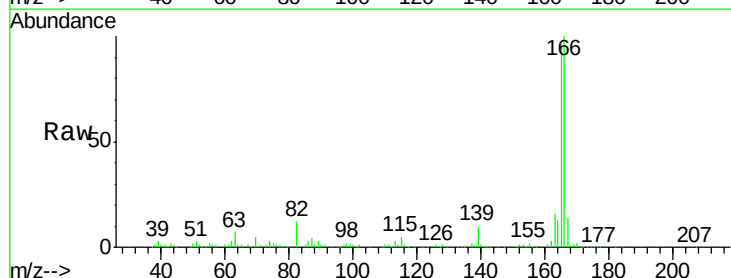
Tgt Ion:166 Resp: 208410

Ion Ratio Lower Upper

166 100

165 95.8 78.4 117.6

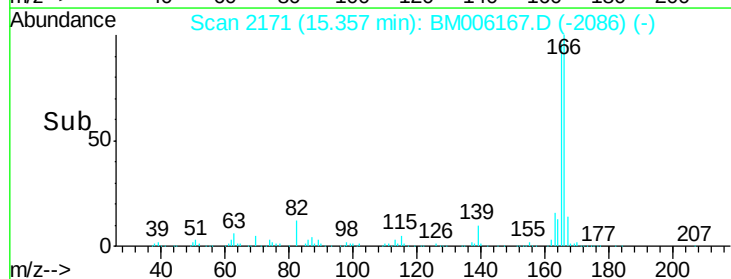
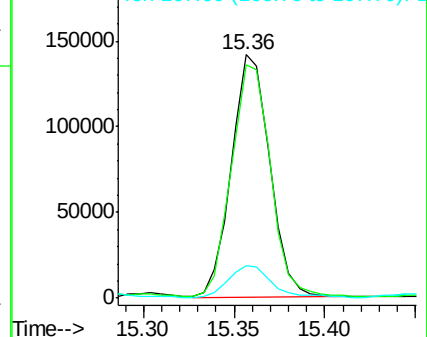
167 13.5 10.6 16.0

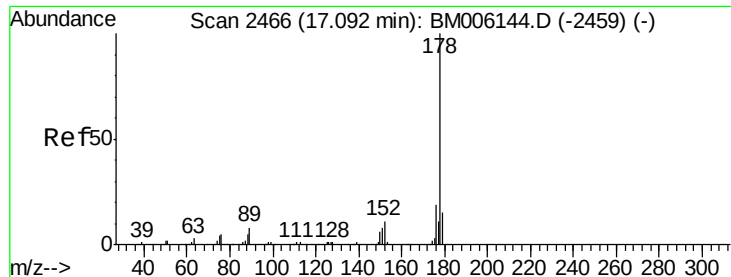


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 73.01 ng/ul

RT: 17.10 min Scan# 2468

Delta R.T. 0.01 min

Lab File: BM006167.D

Acq: 30 Jun 2016 21:00

Instrument :

BNA_M

ClientSampleId :

D9YF4MSD

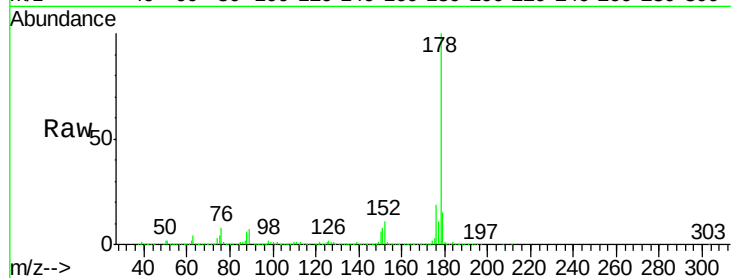
Tgt Ion:178 Resp: 3213139

Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.2

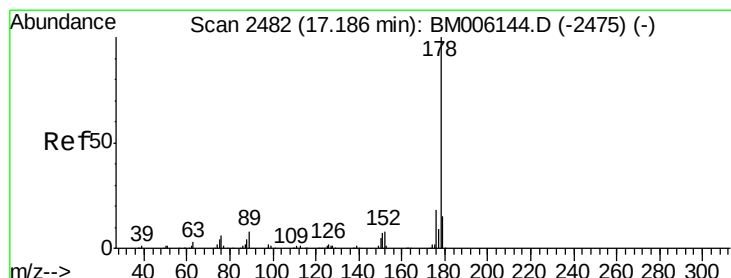
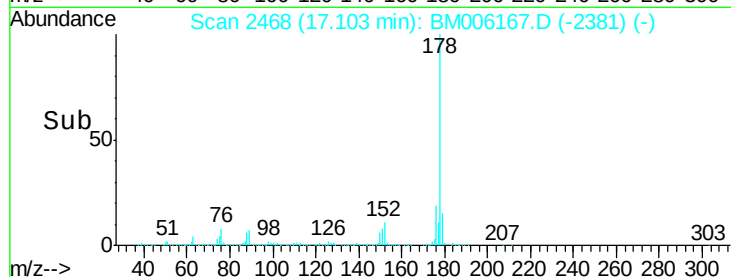
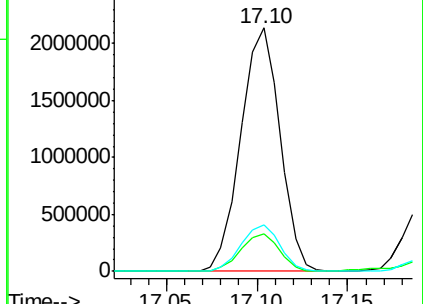
176 19.2 15.3 22.9



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: 17.69 ng/ul

RT: 17.19 min Scan# 2483

Delta R.T. 0.01 min

Lab File: BM006167.D

Acq: 30 Jun 2016 21:00

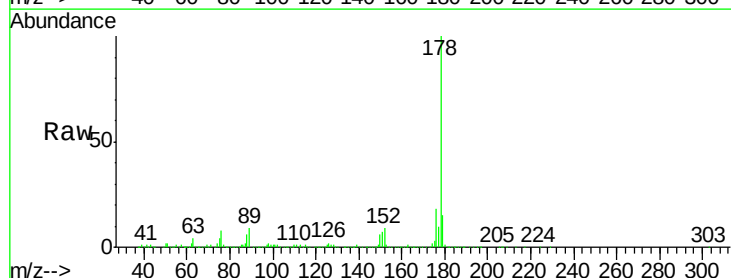
Tgt Ion:178 Resp: 800307

Ion Ratio Lower Upper

178 100

179 15.0 12.3 18.5

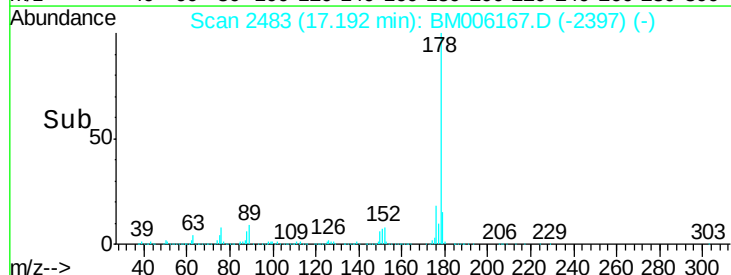
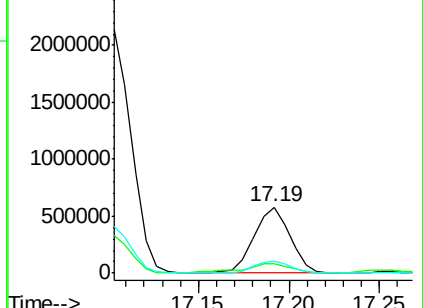
176 17.8 14.6 22.0

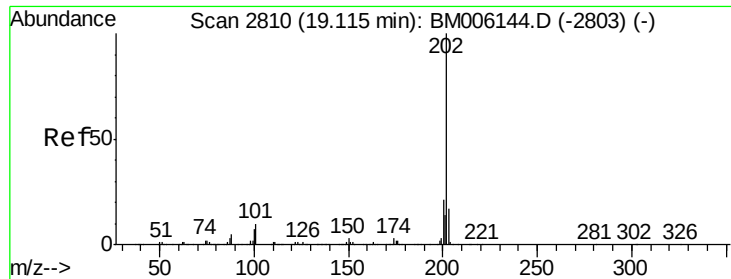


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 92.13 ng/ul

RT: 19.13 min Scan# 2812

Delta R.T. 0.01 min

Lab File: BM006167.D

Acq: 30 Jun 2016 21:00

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BNA_M

ClientSampleId :

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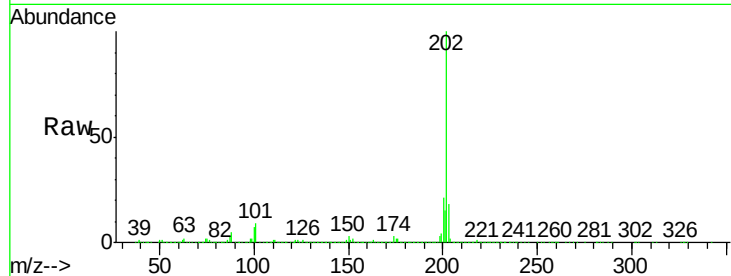
Tgt Ion:202 Resp: 4965569

Ion Ratio Lower Upper

202 100

101 9.4 8.5 12.7

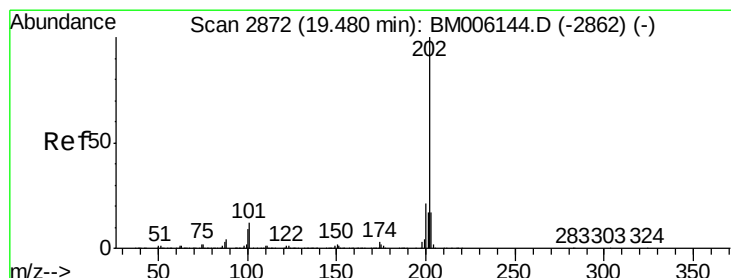
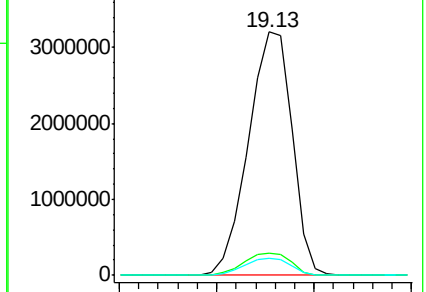
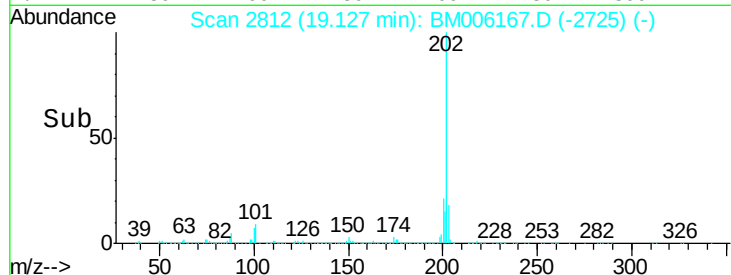
100 7.0 6.5 9.7



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: 100.36 ng/ul

RT: 19.49 min Scan# 2874

Delta R.T. 0.01 min

Lab File: BM006167.D

Acq: 30 Jun 2016 21:00

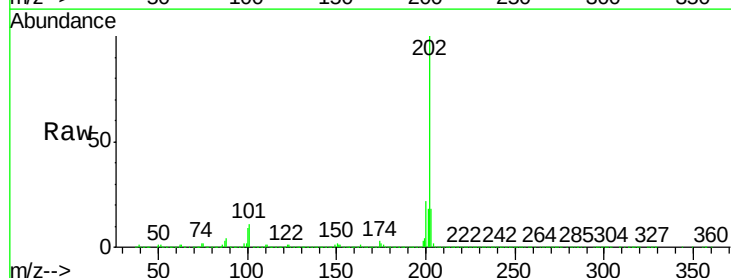
Tgt Ion:202 Resp: 4889890

Ion Ratio Lower Upper

202 100

101 11.1 11.0 16.4

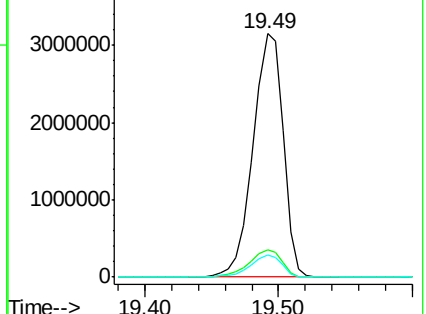
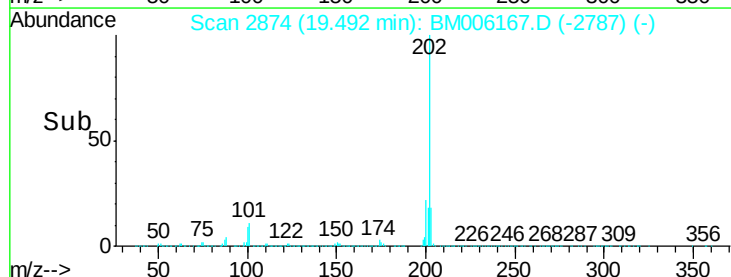
100 8.9 8.9 13.3

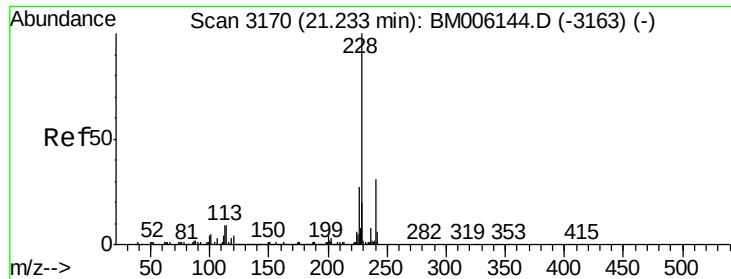


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 48.55 ng/ul

RT: 21.24 min Scan# 3172

Delta R.T. 0.01 min

Lab File: BM006167.D

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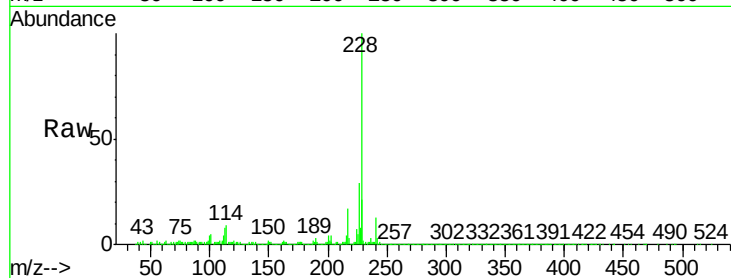
Tgt Ion:228 Resp: 2331899

Ion Ratio Lower Upper

228 100

229 20.6 15.6 23.4

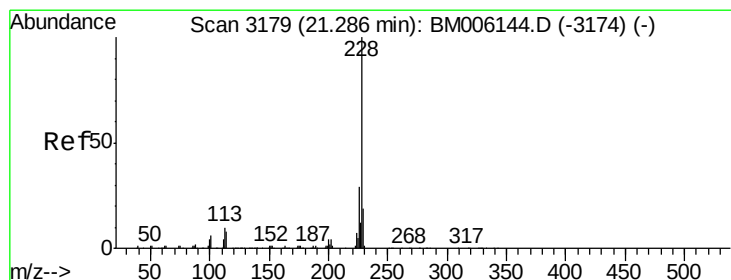
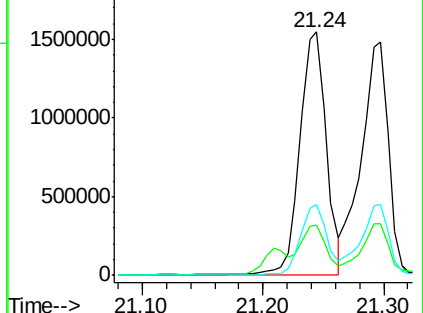
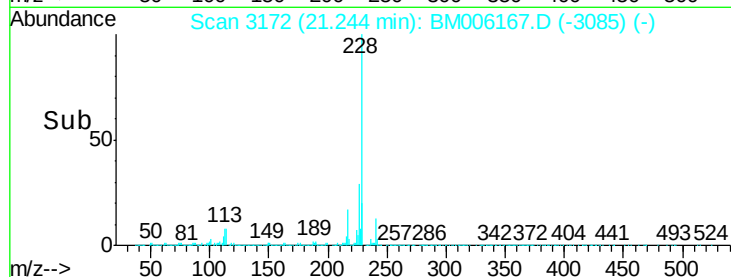
226 29.1 21.6 32.4



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: 52.55 ng/ul

RT: 21.30 min Scan# 3181

Delta R.T. 0.01 min

Lab File: BM006167.D

Acq: 30 Jun 2016 21:00

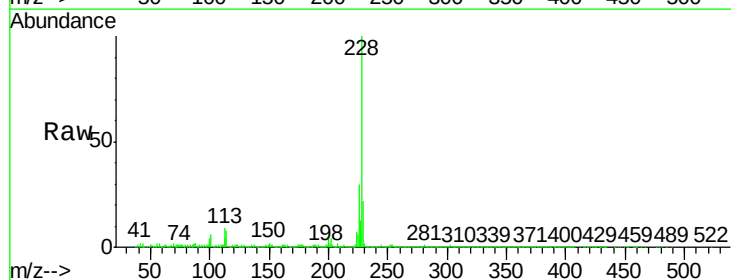
Tgt Ion:228 Resp: 2323683

Ion Ratio Lower Upper

228 100

226 30.2 23.8 35.6

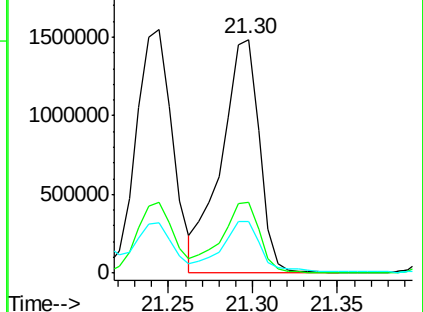
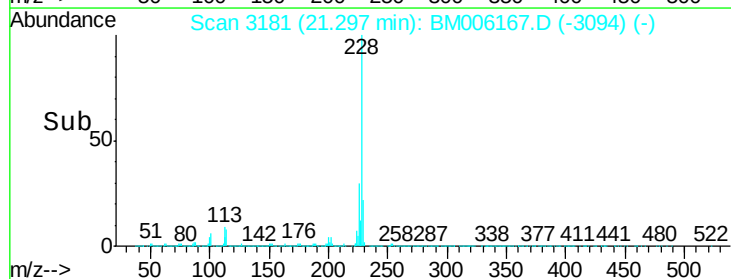
229 22.1 15.8 23.6

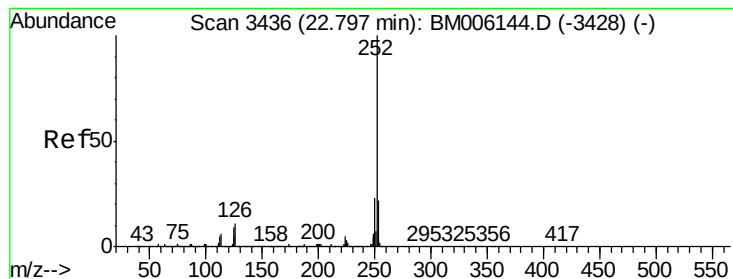


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 59.95 ng/ul

RT: 22.82 min Scan# 3440

Delta R.T. 0.02 min

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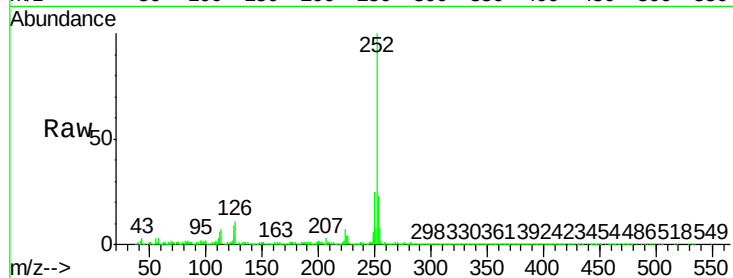
Tgt Ion:252 Resp: 3369806

Ion Ratio Lower Upper

252 100

253 23.1 17.2 25.8

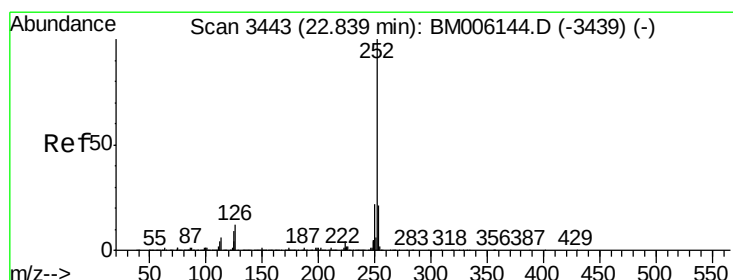
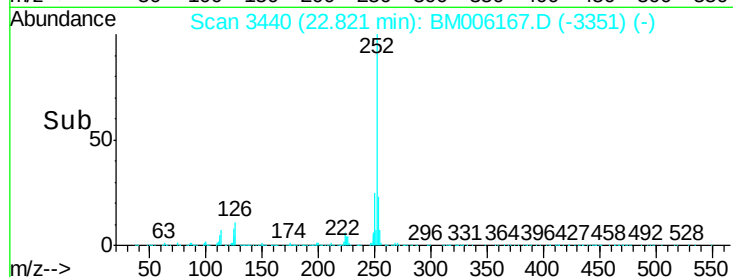
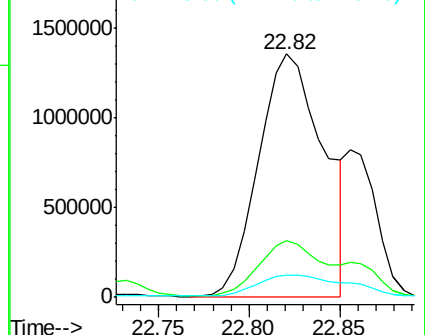
125 8.9 7.8 11.6



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



#36

Benzo(k)fluoranthene

Concen: 63.90 ng/ul

RT: 22.82 min Scan# 3440

Delta R.T. -0.02 min

Lab File: BM006167.D

Acq: 30 Jun 2016 21:00

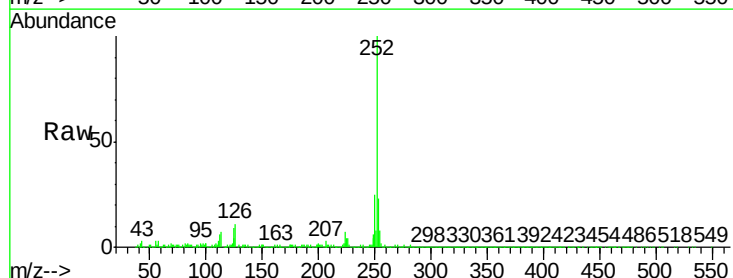
Tgt Ion:252 Resp: 3369806

Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

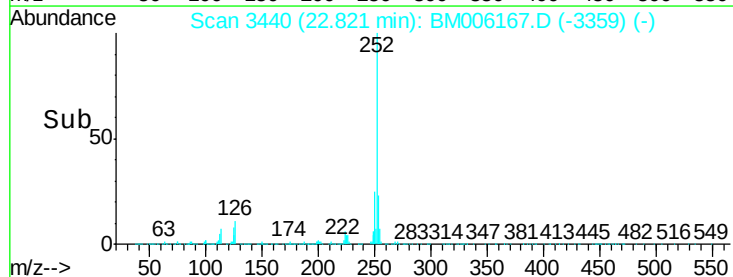
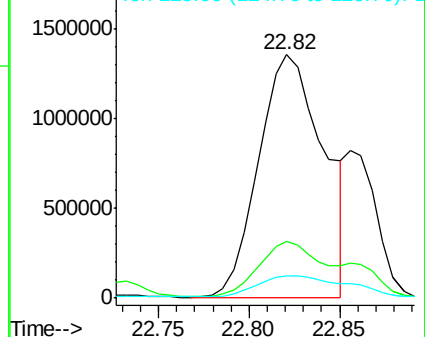
125 8.9 8.1 12.1

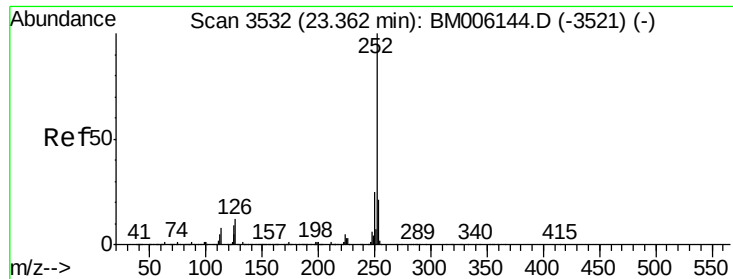


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 40.81 ng/ul

RT: 23.39 min Scan# 3537

Delta R.T. 0.02 min

Lab File: BM006167.D

Acq: 30 Jun 2016 21:00

Instrument :

BNA_M

ClientSampleId :

D9YF4MSD

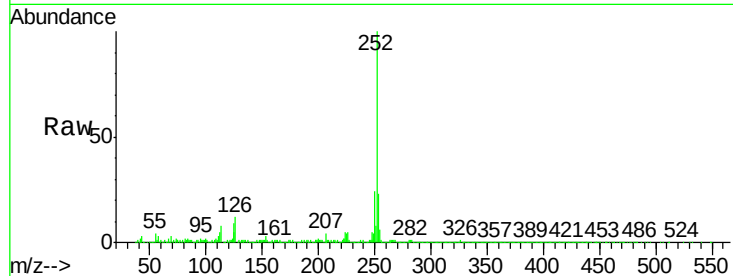
Tgt Ion:252 Resp: 2167588

Ion Ratio Lower Upper

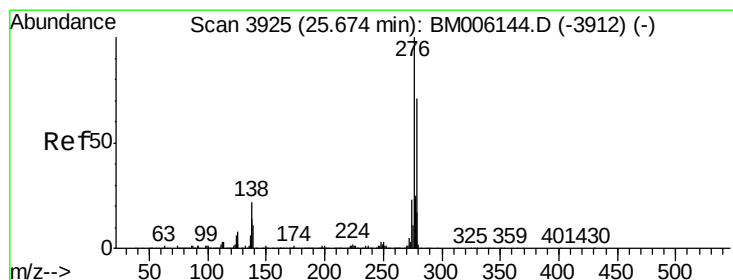
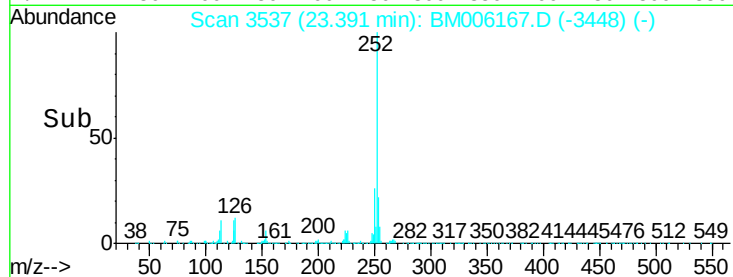
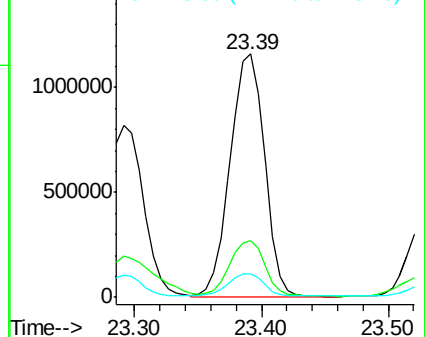
252 100

253 23.4 17.8 26.6

125 9.5 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: 31.51 ng/ul

RT: 25.72 min Scan# 3933

Delta R.T. 0.04 min

Lab File: BM006167.D

Acq: 30 Jun 2016 21:00

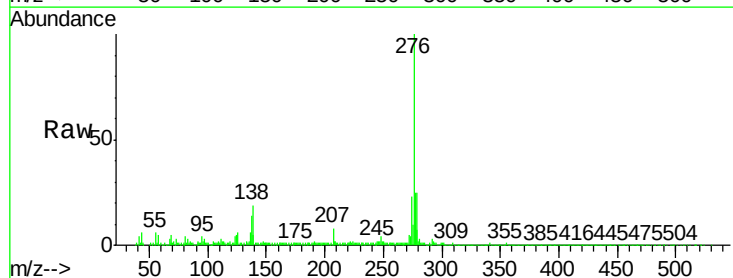
Tgt Ion:276 Resp: 1739680

Ion Ratio Lower Upper

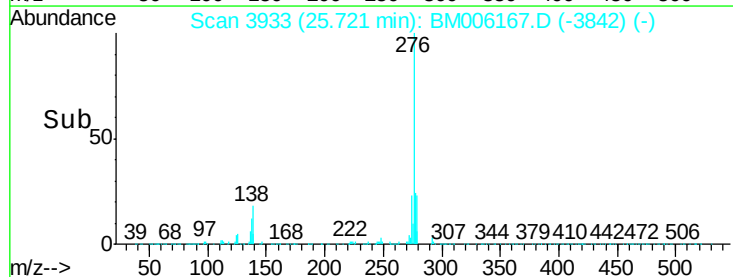
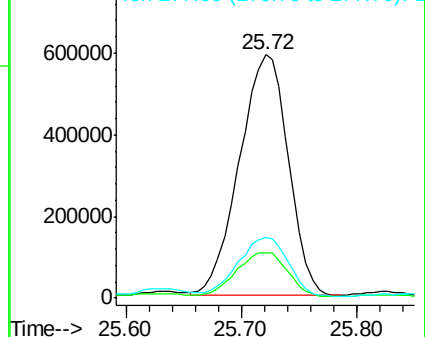
276 100

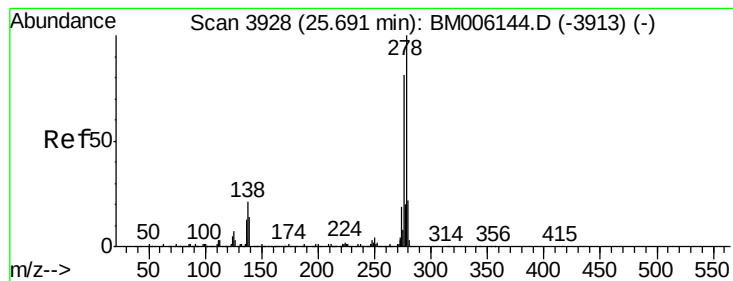
138 18.8 20.4 30.6#

277 25.1 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: 6.42 ng/ul

RT: 25.41 min Scan# 3881

Delta R.T. -0.28 min

Lab File: BM006167.D

Acq: 30 Jun 2016 21:00

Instrument :

BNA_M

ClientSampleId :

D9YF4MSD

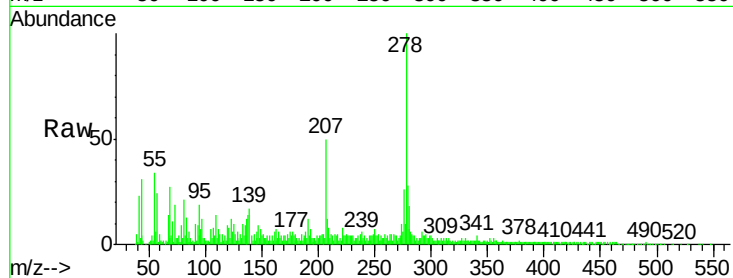
Tgt Ion:278 Resp: 293066

Ion Ratio Lower Upper

278 100

139 17.2 13.0 19.4

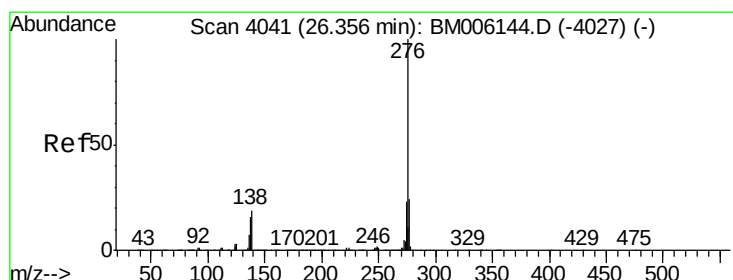
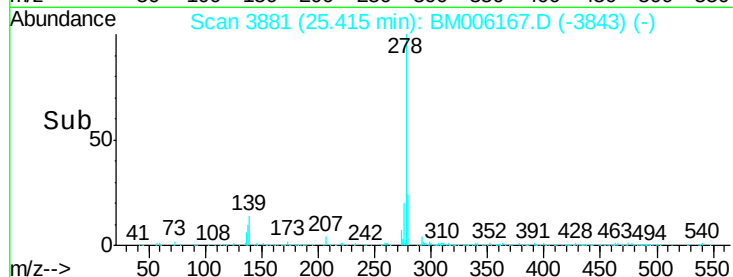
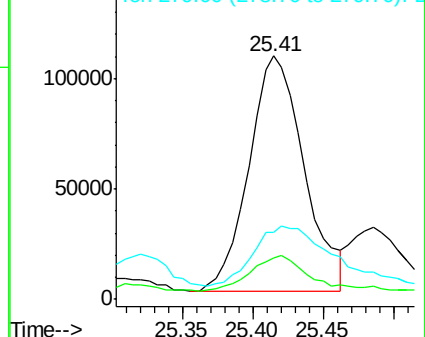
279 27.7 18.8 28.2



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



#41

Benzo(g,h,i)perylene

Concen: 35.21 ng/ul

RT: 26.41 min Scan# 4050

Delta R.T. 0.05 min

Lab File: BM006167.D

Acq: 30 Jun 2016 21:00

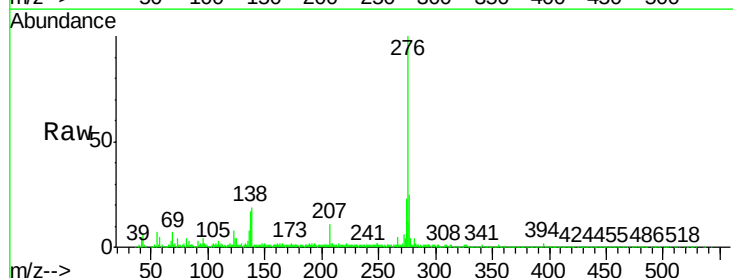
Tgt Ion:276 Resp: 1626993

Ion Ratio Lower Upper

276 100

138 19.3 16.6 25.0

277 25.4 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

