

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060716\
 Data File : BM005695.D
 Acq On : 07 Jun 2016 16:45
 Operator : UM/SJ
 Sample : H3412-11DL 10X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9XT0DL

Quant Time: Jun 08 01:25:19 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM060216.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 08 01:24:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	96705	20.00	ng/ul	0.00
7) Naphthalene-d8	10.55	136	497696	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.40	164	294273	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.14	188	661449	20.00	ng/ul	0.00
29) Chrysene-d12	21.33	240	668957	20.00	ng/ul	0.00
34) Perylene-d12	23.59	264	567700	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
3) Phenol-d5	6.93	99	9613	1.13	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.09	67	7730	1.49	ng/ul	0.00
5) 2-Chlorophenol-d4	7.29	132	8832	1.26	ng/ul	0.00
6) 4-Methylphenol-d8	8.47	113	5287	0.79	ng/ul	0.00
8) Nitrobenzene-d5	8.92	128	4739	1.24	ng/ul	0.00
9) 2-Nitrophenol-d4	9.63	143	4925	1.20	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.18	165	9455	1.30	ng/ul	0.00
12) 4-Chloroaniline-d4	10.69	131	8809	1.02	ng/ul	0.00
16) Dimethylphthalate-d6	13.80	166	32880	1.45	ng/ul	0.00
17) Acenaphthylene-d8	14.09	160	41531	1.41	ng/ul	0.00
20) 4-Nitrophenol-d4	14.64	143	1906	0.59	ng/ul	0.00
21) Fluorene-d10	15.39	176	31673	1.63	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.54	200	904	0.29	ng/ul	0.00
26) Anthracene-d10	17.24	188	48349	1.54	ng/ul	0.00
30) Pyrene-d10	19.54	212	52063	1.55	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.44	264	39857	1.53	ng/ul	0.00

Target Compounds

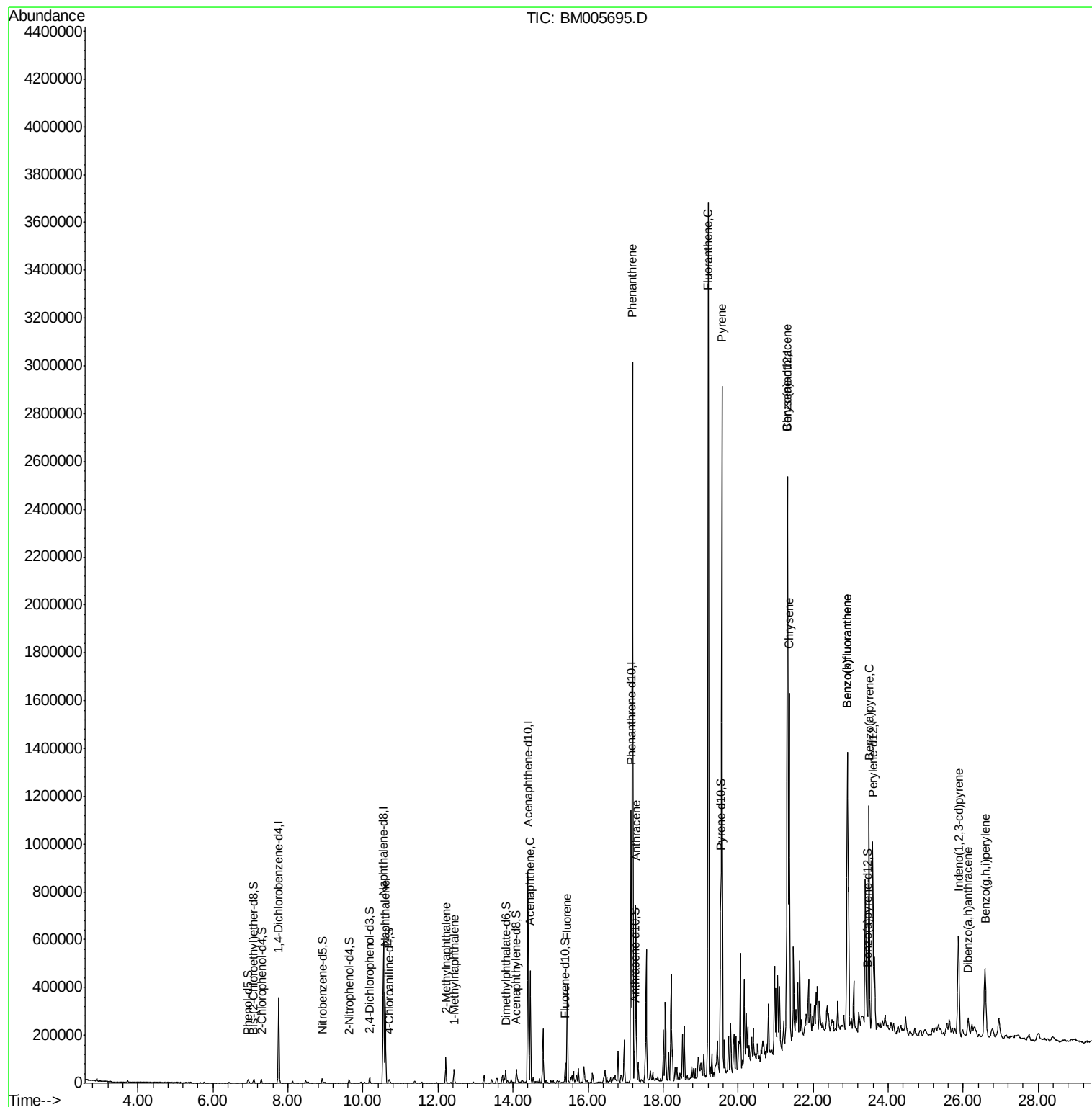
						Qvalue
11) Naphthalene	10.59	128	320344	12.66	ng/ul	99
13) 2-Methylnaphthalene	12.21	142	51423	2.92	ng/ul	99
14) 1-Methylnaphthalene	12.43	142	28797	1.66	ng/ul#	96
19) Acenaphthene	14.46	153	188660	9.55	ng/ul	96
22) Fluorene	15.45	166	181064	8.47	ng/ul	95
25) Phenanthrene	17.19	178	1869388	51.20	ng/ul	98
27) Anthracene	17.27	178	469025	12.64	ng/ul	98
28) Fluoranthene	19.20	202	2298127	61.58	ng/ul	98
31) Pyrene	19.57	202	1836808	43.52	ng/ul	97
32) Benzo(a)anthracene	21.32	228	940955	23.98	ng/ul	98
33) Chrysene	21.36	228	809778	21.84	ng/ul	97
35) Benzo(b)fluoranthene	22.91	252	997802	29.15	ng/ul	99
36) Benzo(k)fluoranthene	22.91	252	997802	31.06	ng/ul	98
38) Benzo(a)pyrene	23.49	252	654464	19.86	ng/ul	96
39) Indeno(1,2,3-cd)pyrene	25.88	276	400967	10.28	ng/ul	96
40) Dibenzo(a,h)anthracene	26.14	278	73435	2.24	ng/ul	94
41) Benzo(g,h,i)perylene	26.59	276	359685	11.00	ng/ul#	95

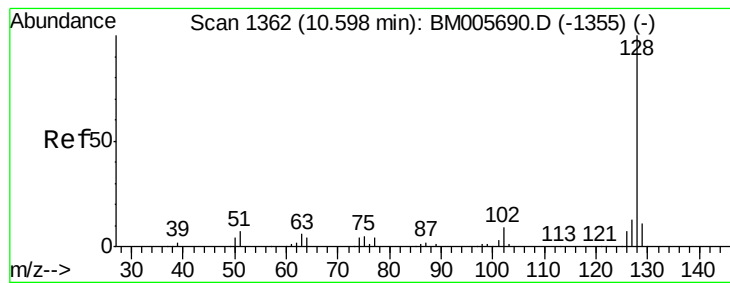
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#11

Naphthalene

Concen: 12.66 ng/ul

RT: 10.59 min Scan# 1361

Delta R.T. -0.01 min

Lab File: BM005695.D

Acq: 07 Jun 2016 16:45

Instrument :

BNA_M

ClientSampleId :

D9XT0DL

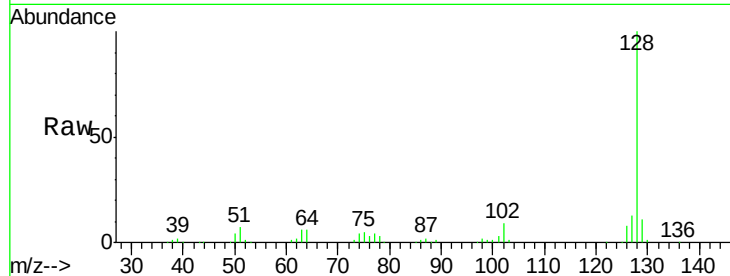
Tgt Ion:128 Resp: 320344

Ion Ratio Lower Upper

128 100

129 11.0 8.3 12.5

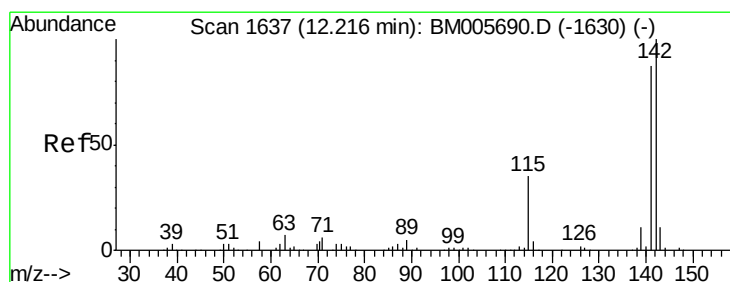
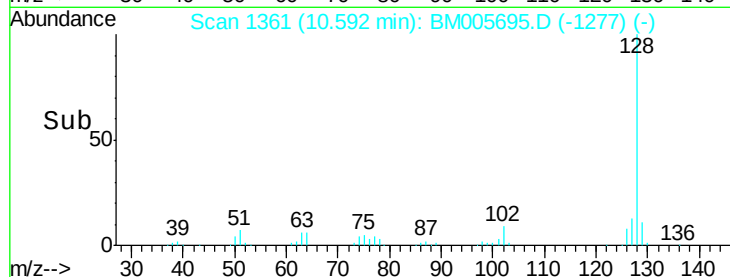
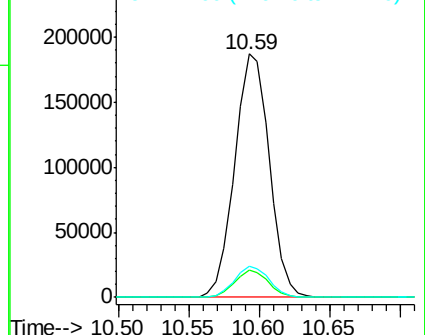
127 13.0 10.8 16.2



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



#13

2-Methylnaphthalene

Concen: 2.92 ng/ul

RT: 12.21 min Scan# 1636

Delta R.T. -0.01 min

Lab File: BM005695.D

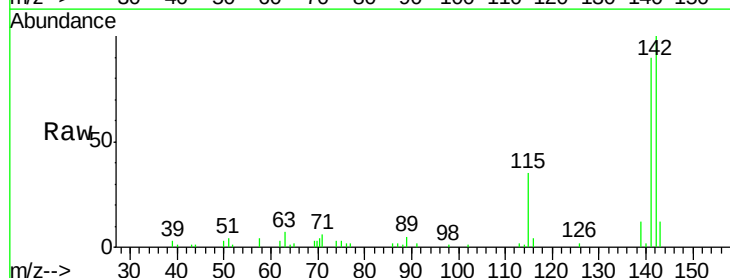
Acq: 07 Jun 2016 16:45

Tgt Ion:142 Resp: 51423

Ion Ratio Lower Upper

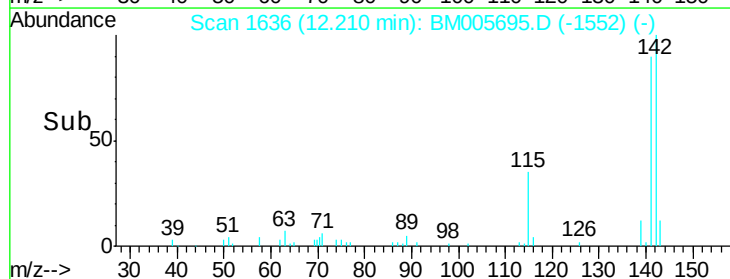
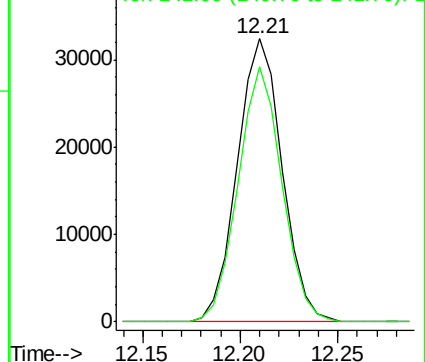
142 100

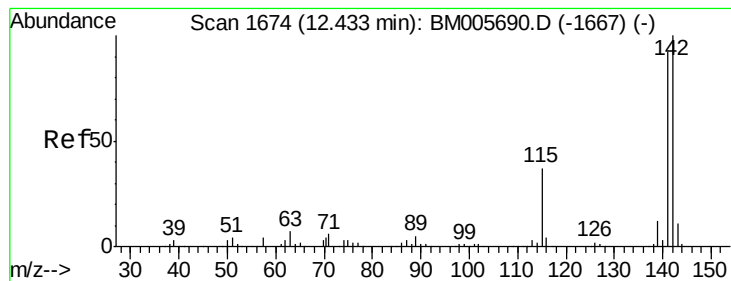
141 90.1 71.3 106.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#14

1-Methylnaphthalene

Concen: 1.66 ng/ul

RT: 12.43 min Scan# 1673

Delta R.T. -0.01 min

Lab File: BM005695.D

Acq: 07 Jun 2016 16:45

Instrument :

BNA_M

ClientSampleId :

D9XT0DL

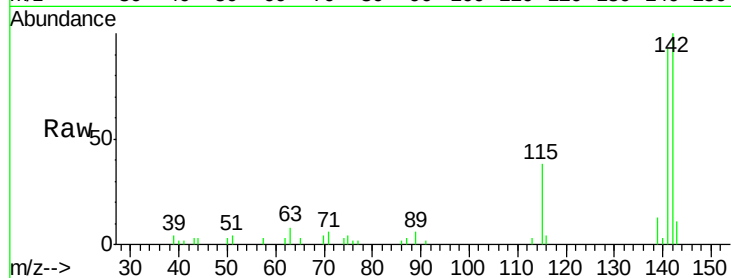
Tgt Ion:142 Resp: 28797

Ion Ratio Lower Upper

142 100

141 92.6 77.0 115.4

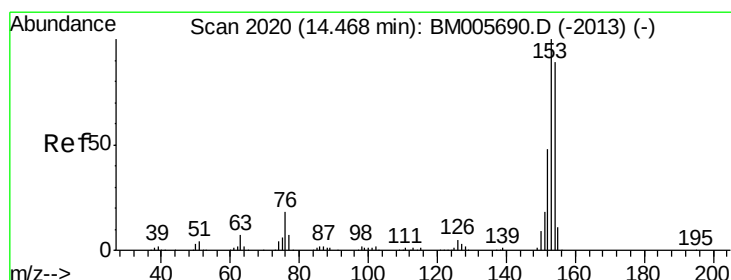
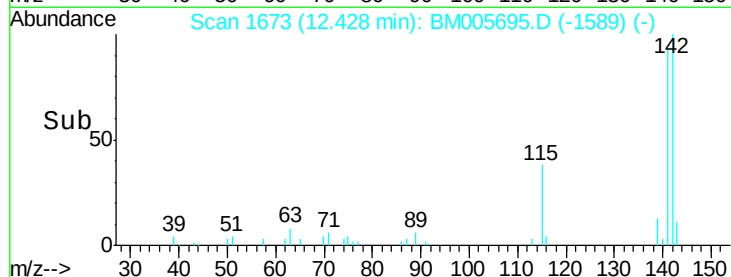
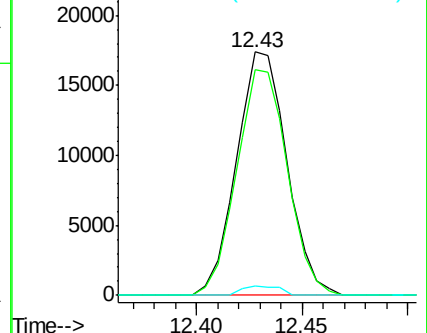
116 4.0 4.2 6.4#



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



#19

Acenaphthene

Concen: 9.55 ng/ul

RT: 14.46 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BM005695.D

Acq: 07 Jun 2016 16:45

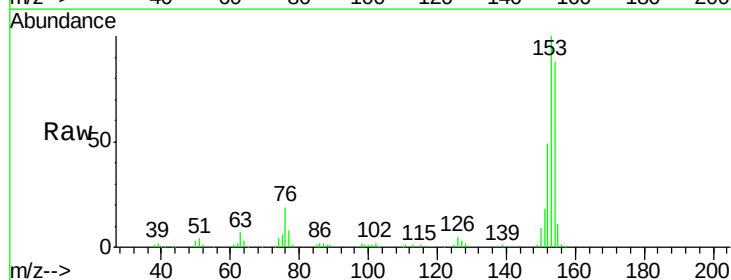
Tgt Ion:153 Resp: 188660

Ion Ratio Lower Upper

153 100

152 48.7 36.5 54.7

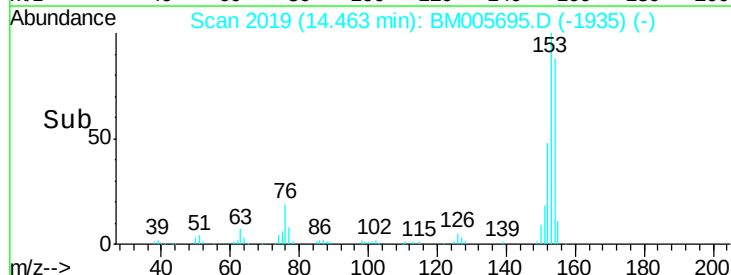
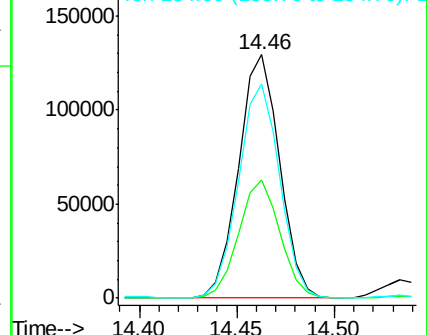
154 87.8 67.3 100.9

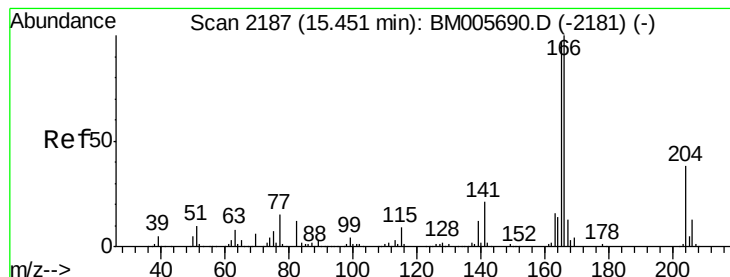


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#22

Fluorene

Concen: 8.47 ng/ul

RT: 15.45 min Scan# 2186

Delta R.T. -0.01 min

Lab File: BM005695.D

Acq: 07 Jun 2016 16:45

Instrument :

BNA_M

ClientSampleId :

D9XT0DL

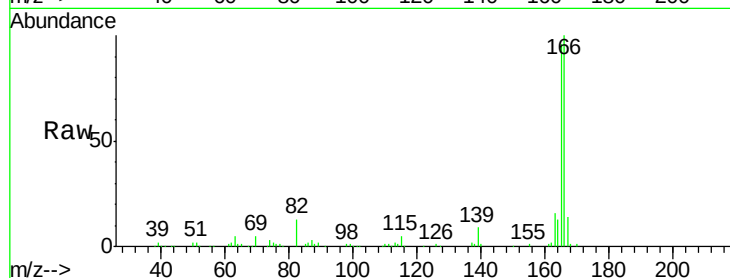
Tgt Ion:166 Resp: 181064

Ion Ratio Lower Upper

166 100

165 96.0 81.1 121.7

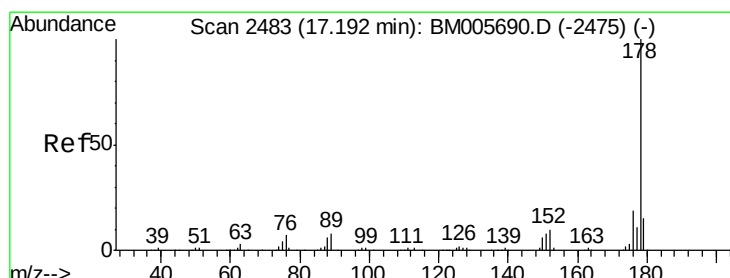
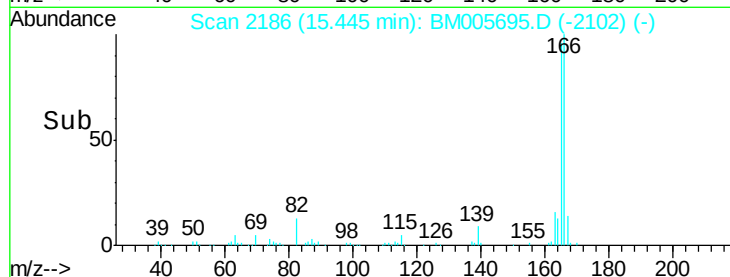
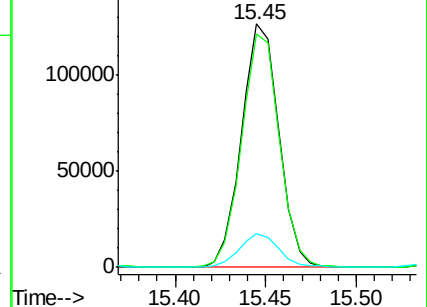
167 13.6 10.6 16.0



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: 51.20 ng/ul

RT: 17.19 min Scan# 2482

Delta R.T. -0.01 min

Lab File: BM005695.D

Acq: 07 Jun 2016 16:45

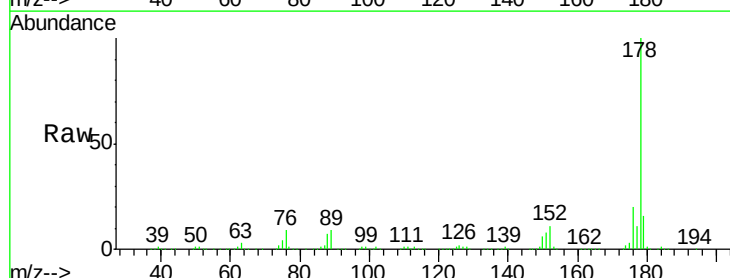
Tgt Ion:178 Resp: 1869388

Ion Ratio Lower Upper

178 100

179 15.7 11.8 17.8

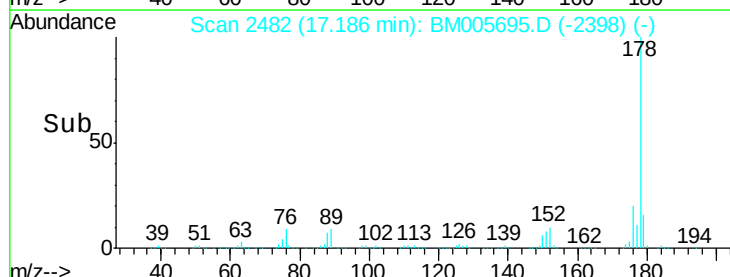
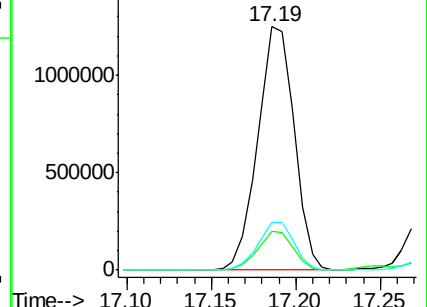
176 19.6 14.8 22.2

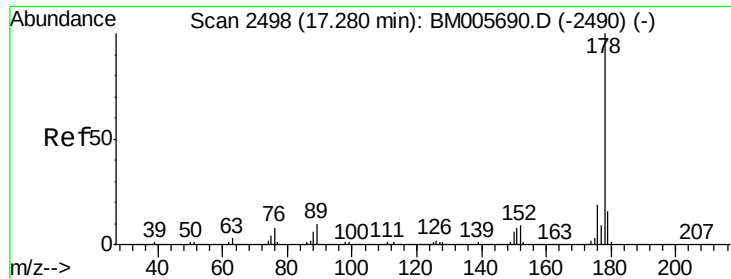


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#27

Anthracene

Concen: 12.64 ng/ul

RT: 17.27 min Scan# 2497

Delta R.T. -0.01 min

Lab File: BM005695.D

Acq: 07 Jun 2016 16:45

Instrument :

BNA_M

ClientSampleId :

D9XT0DL

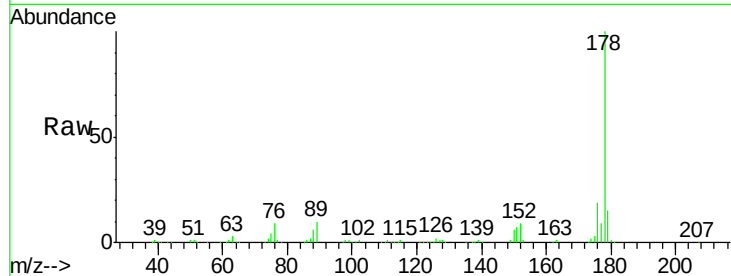
Tgt Ion:178 Resp: 469025

Ion Ratio Lower Upper

178 100

179 15.4 12.9 19.3

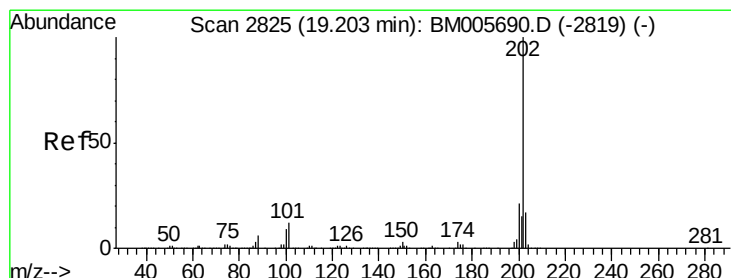
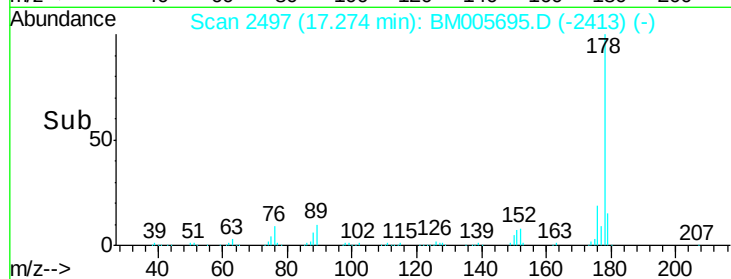
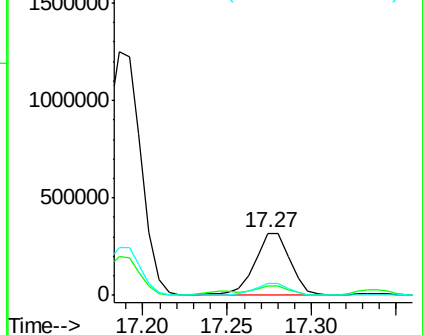
176 18.7 15.6 23.4



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: 61.58 ng/ul

RT: 19.20 min Scan# 2825

Delta R.T. 0.00 min

Lab File: BM005695.D

Acq: 07 Jun 2016 16:45

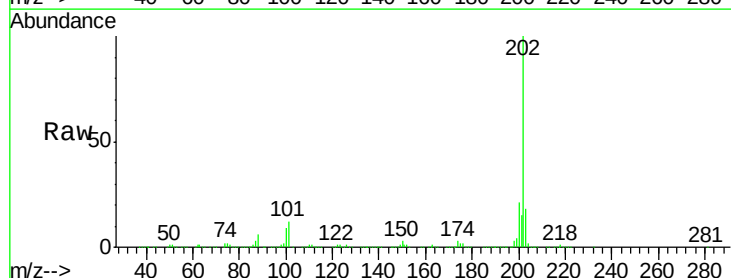
Tgt Ion:202 Resp: 2298127

Ion Ratio Lower Upper

202 100

101 12.1 8.9 13.3

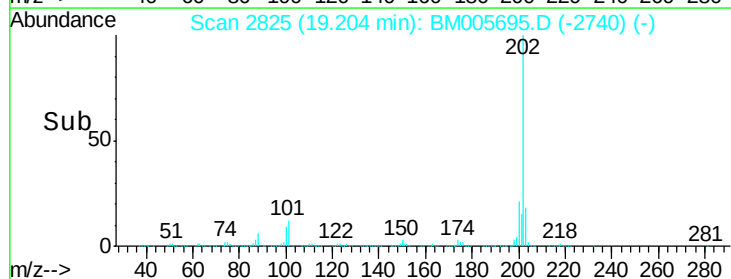
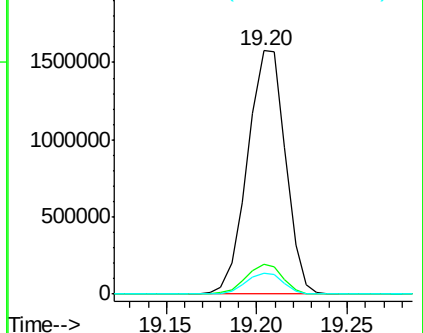
100 8.8 7.0 10.4

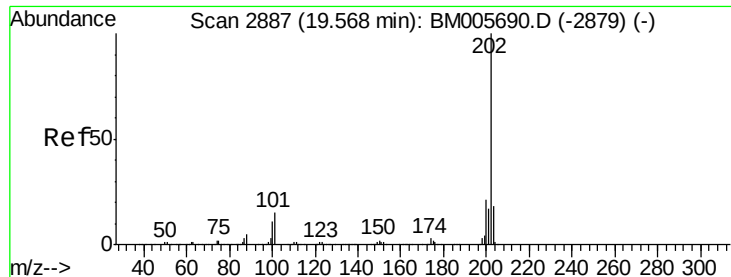


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

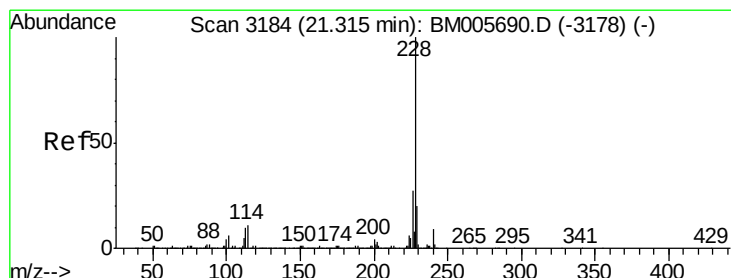
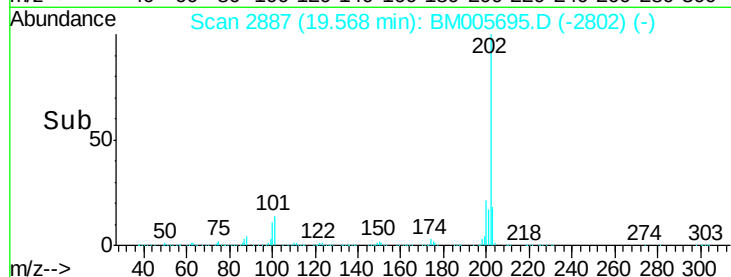
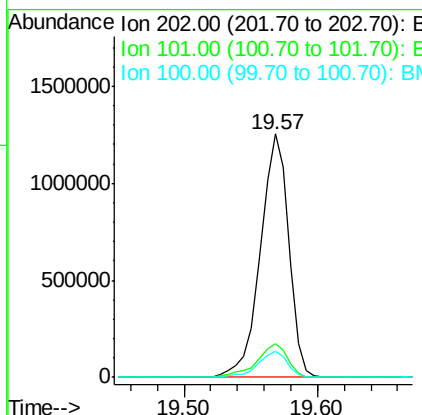
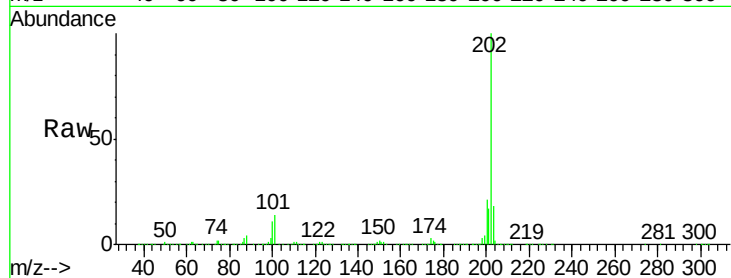




#31
 Pyrene
 Concen: 43.52 ng/ul
 RT: 19.57 min Scan# 2887
 Delta R.T. 0.00 min
 Lab File: BM005695.D
 Acq: 07 Jun 2016 16:45

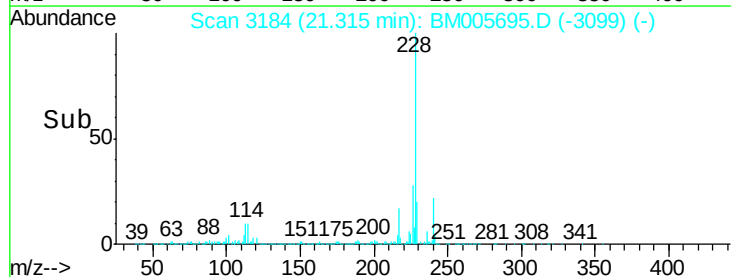
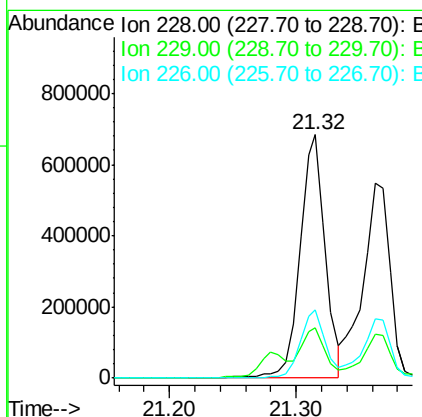
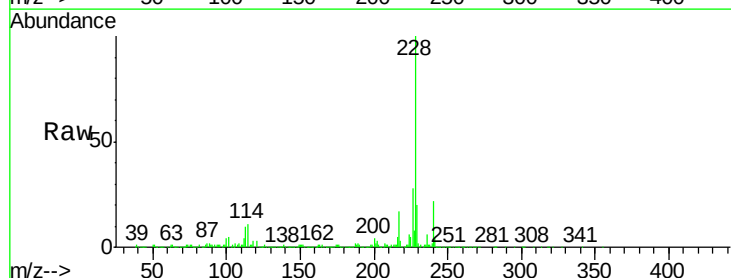
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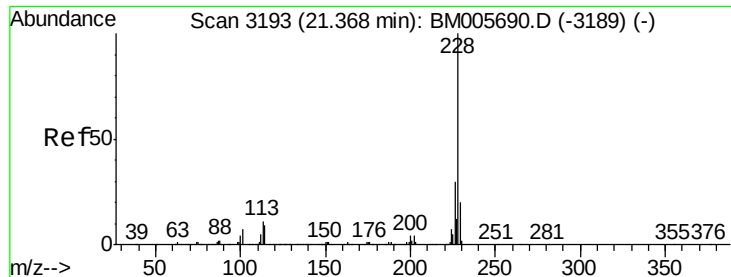
Tgt Ion:202 Resp: 1836808
 Ion Ratio Lower Upper
 202 100
 101 13.8 9.8 14.8
 100 10.6 9.3 13.9



#32
 Benzo(a)anthracene
 Concen: 23.98 ng/ul
 RT: 21.32 min Scan# 3184
 Delta R.T. 0.00 min
 Lab File: BM005695.D
 Acq: 07 Jun 2016 16:45

Tgt Ion:228 Resp: 940955
 Ion Ratio Lower Upper
 228 100
 229 20.4 16.6 25.0
 226 28.1 21.0 31.4





#33

Chrysene

Concen: 21.84 ng/ul

RT: 21.36 min Scan# 3192

Delta R.T. -0.01 min

Lab File: BM005695.D

Acq: 07 Jun 2016 16:45

Instrument :

BNA_M

ClientSampleId :

D9XT0DL

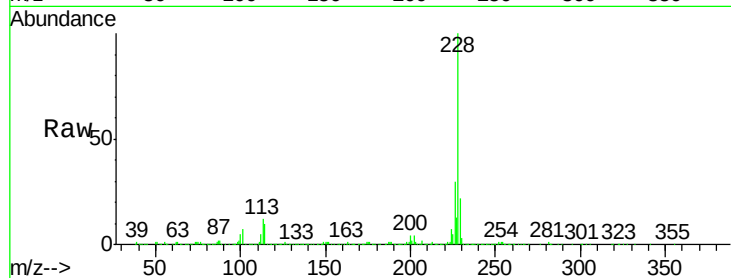
Tgt Ion:228 Resp: 809778

Ion Ratio Lower Upper

228 100

226 30.5 23.4 35.2

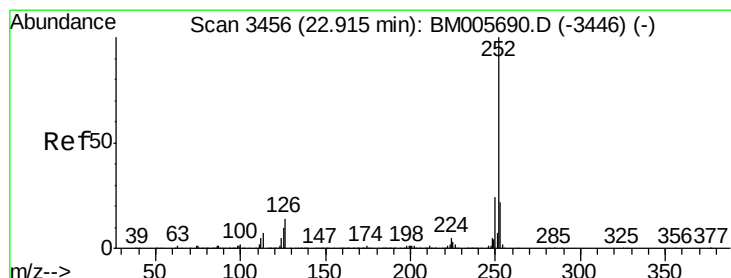
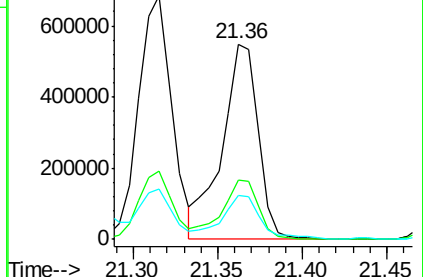
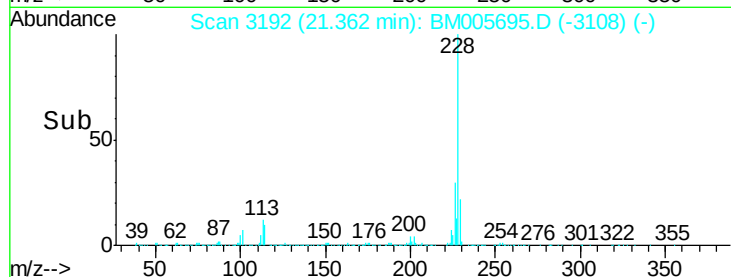
229 22.5 16.2 24.2



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: 29.15 ng/ul

RT: 22.91 min Scan# 3455

Delta R.T. -0.01 min

Lab File: BM005695.D

Acq: 07 Jun 2016 16:45

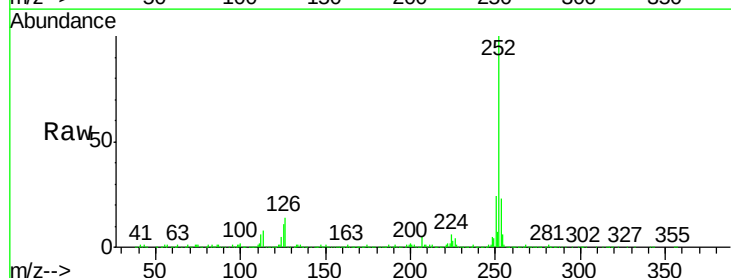
Tgt Ion:252 Resp: 997802

Ion Ratio Lower Upper

252 100

253 22.7 18.1 27.1

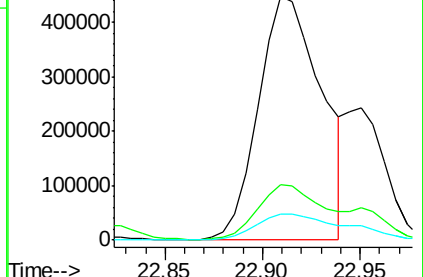
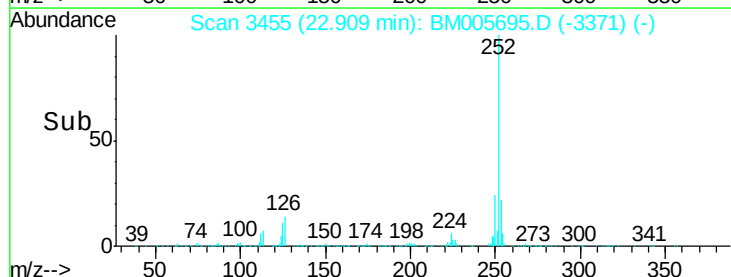
125 10.9 7.6 11.4

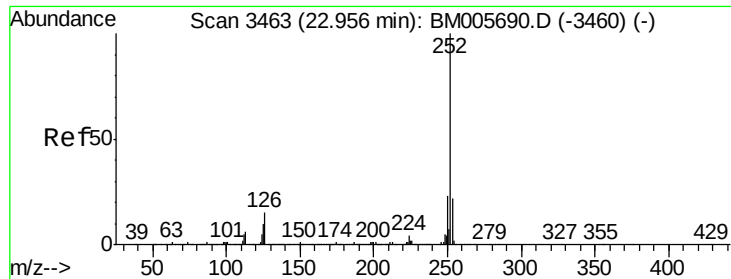


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

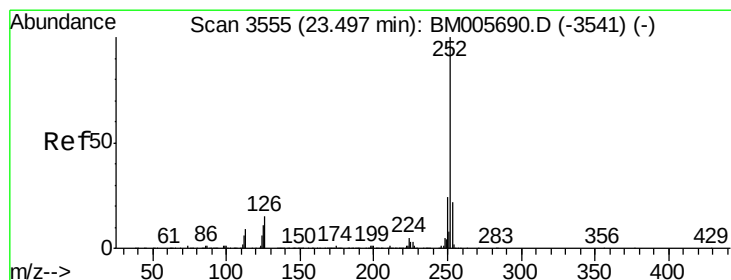
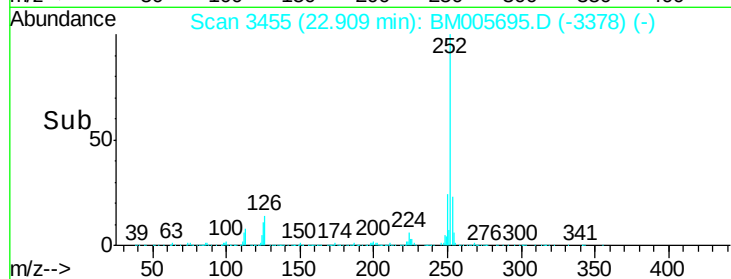
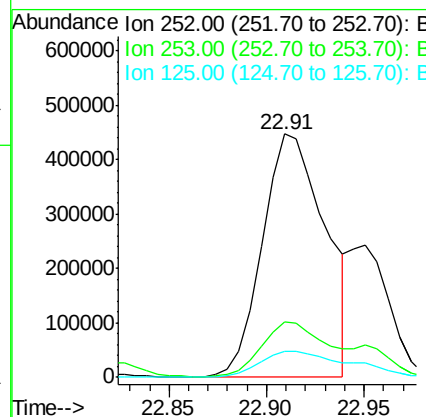
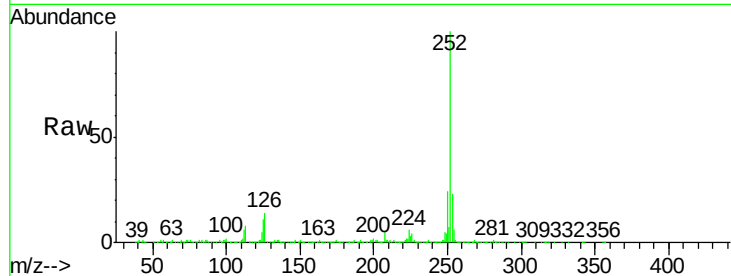




#36
Benzo(k)fluoranthene
Concen: 31.06 ng/ul
RT: 22.91 min Scan# 3455
Delta R.T. -0.05 min
Lab File: BM005695.D
Acq: 07 Jun 2016 16:45

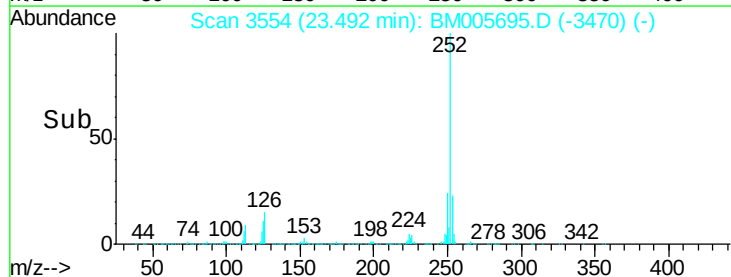
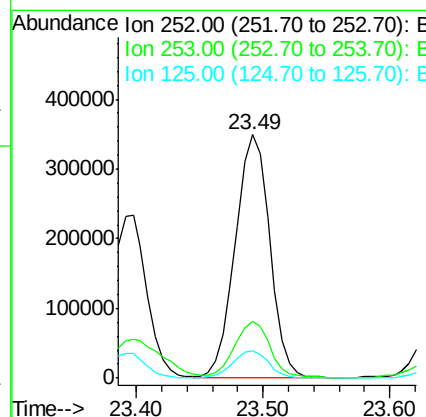
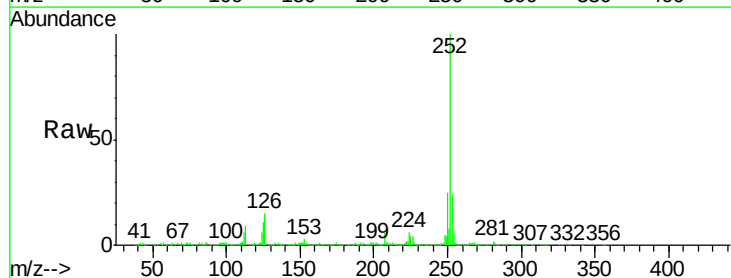
Instrument :
BNA_M
ClientSampleId :
D9XT0DL

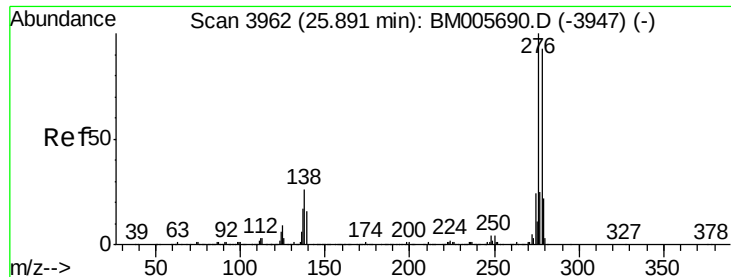
Tgt Ion:252 Resp: 997802
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.8
125 10.9 7.7 11.5



#38
Benzo(a)pyrene
Concen: 19.86 ng/ul
RT: 23.49 min Scan# 3554
Delta R.T. -0.01 min
Lab File: BM005695.D
Acq: 07 Jun 2016 16:45

Tgt Ion:252 Resp: 654464
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.0
125 11.4 8.2 12.2





#39

Indeno(1,2,3-cd)pyrene

Concen: 10.28 ng/ul

RT: 25.88 min Scan# 3960

Delta R.T. -0.01 min

Lab File: BM005695.D

Acq: 07 Jun 2016 16:45

Instrument :

BNA_M

ClientSampleId :

D9XT0DL

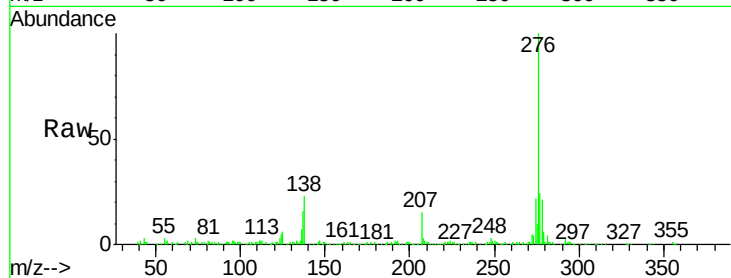
Tgt Ion:276 Resp: 400967

Ion Ratio Lower Upper

276 100

138 22.9 15.8 23.6

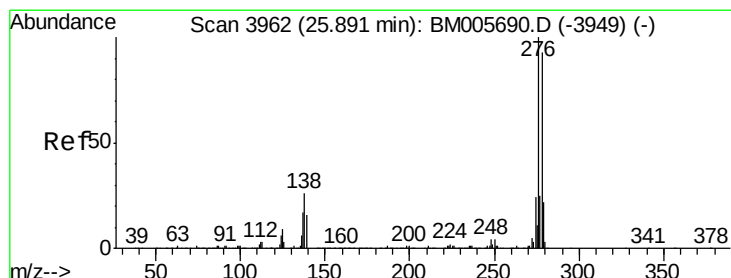
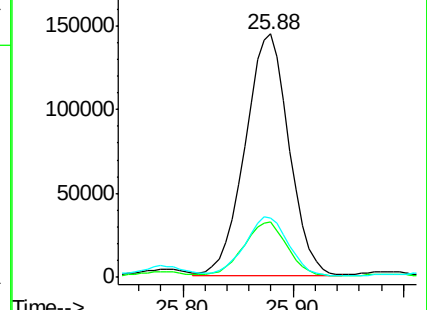
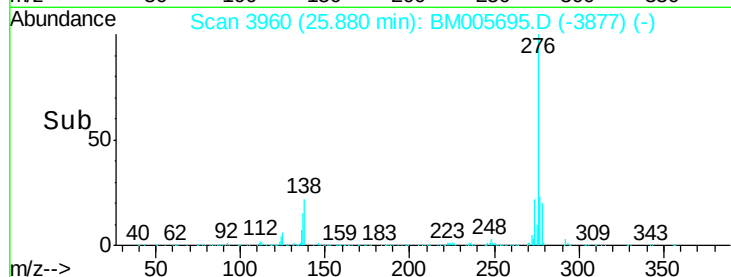
277 24.3 19.0 28.6



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



#40

Dibenzo(a,h)anthracene

Concen: 2.24 ng/ul

RT: 26.14 min Scan# 4004

Delta R.T. 0.25 min

Lab File: BM005695.D

Acq: 07 Jun 2016 16:45

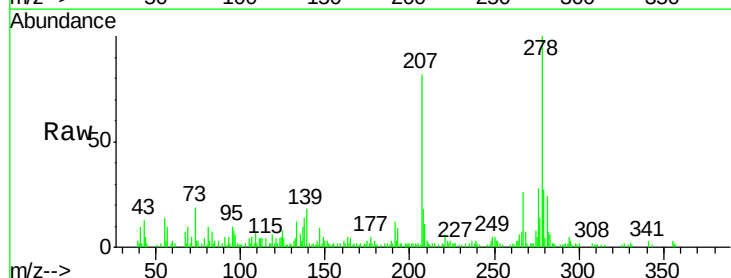
Tgt Ion:278 Resp: 73435

Ion Ratio Lower Upper

278 100

139 17.9 12.1 18.1

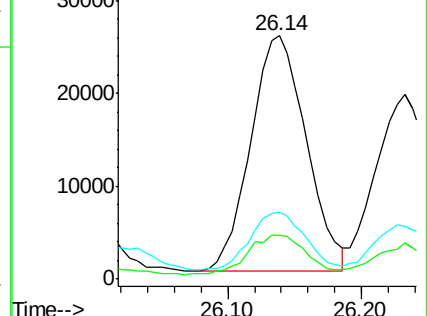
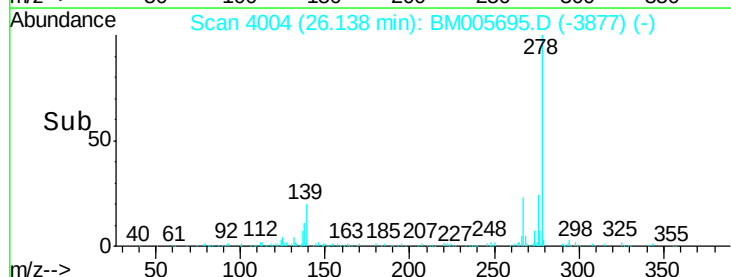
279 27.3 19.8 29.8

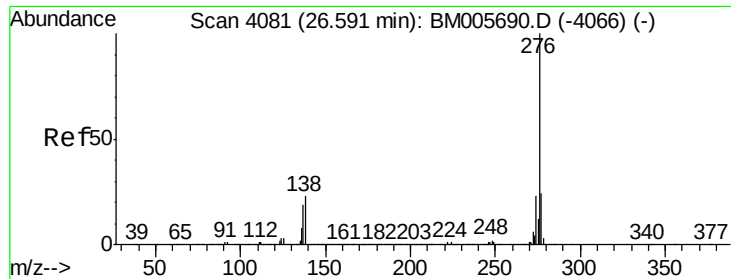


Abundance Ion 278.00 (277.70 to 278.70): E

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: 11.00 ng/ul

RT: 26.59 min Scan# 4080

Delta R.T. -0.01 min

Lab File: BM005695.D

Acq: 07 Jun 2016 16:45

Instrument :

BNA_M

ClientSampleId :

D9XT0DL

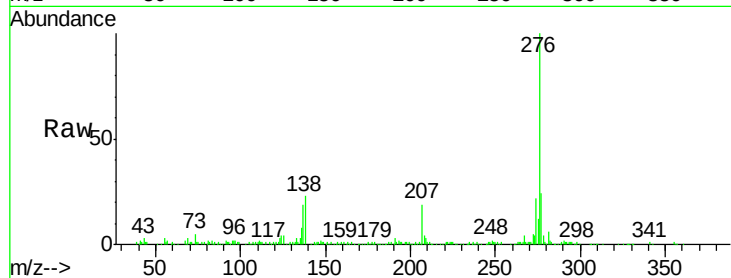
Tgt Ion:276 Resp: 359685

Ion Ratio Lower Upper

276 100

138 22.7 13.9 20.9#

277 24.4 19.8 29.6



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

