

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081016\
 Data File : BM007025.D
 Acq On : 11 Aug 2016 06:13
 Operator : UM/SJ
 Sample : SSTDC0020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02045

Quant Time: Aug 11 06:51:45 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 10 01:30:54 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	204286	20.00	ng/ul	0.00
7) Naphthalene-d8	10.60	136	908286	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.45	164	592954	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.19	188	1552043	20.00	ng/ul	0.00
29) Chrysene-d12	21.37	240	2190360	20.00	ng/ul	0.00
34) Perylene-d12	23.65	264	2200104	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.33	96	34238	7.64	ng/uL	0.00
3) Phenol-d5	6.98	99	360945	19.85	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.15	67	199649	19.65	ng/ul	0.00
5) 2-Chlorophenol-d4	7.35	132	277998	20.16	ng/ul	0.00
6) 4-Methylphenol-d8	8.52	113	300542	19.53	ng/ul	0.00
8) Nitrobenzene-d5	8.97	128	137502	19.82	ng/ul	0.00
9) 2-Nitrophenol-d4	9.69	143	147370	18.55	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.22	165	316746	20.41	ng/ul	0.00
12) 4-Chloroaniline-d4	10.74	131	389595	21.47	ng/ul	0.00
16) Dimethylphthalate-d6	13.86	166	992231	19.58	ng/ul	0.00
17) Acenaphthylene-d8	14.14	160	1240030	20.89	ng/ul	0.00
20) 4-Nitrophenol-d4	14.64	143	183799	20.20	ng/ul	0.00
21) Fluorene-d10	15.44	176	888937	20.64	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.56	200	148196	17.62	ng/ul	0.00
26) Anthracene-d10	17.29	188	1501190	20.76	ng/ul	0.00
30) Pyrene-d10	19.58	212	1866957	18.75	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.51	264	2107714	20.84	ng/ul	0.00

Target Compounds

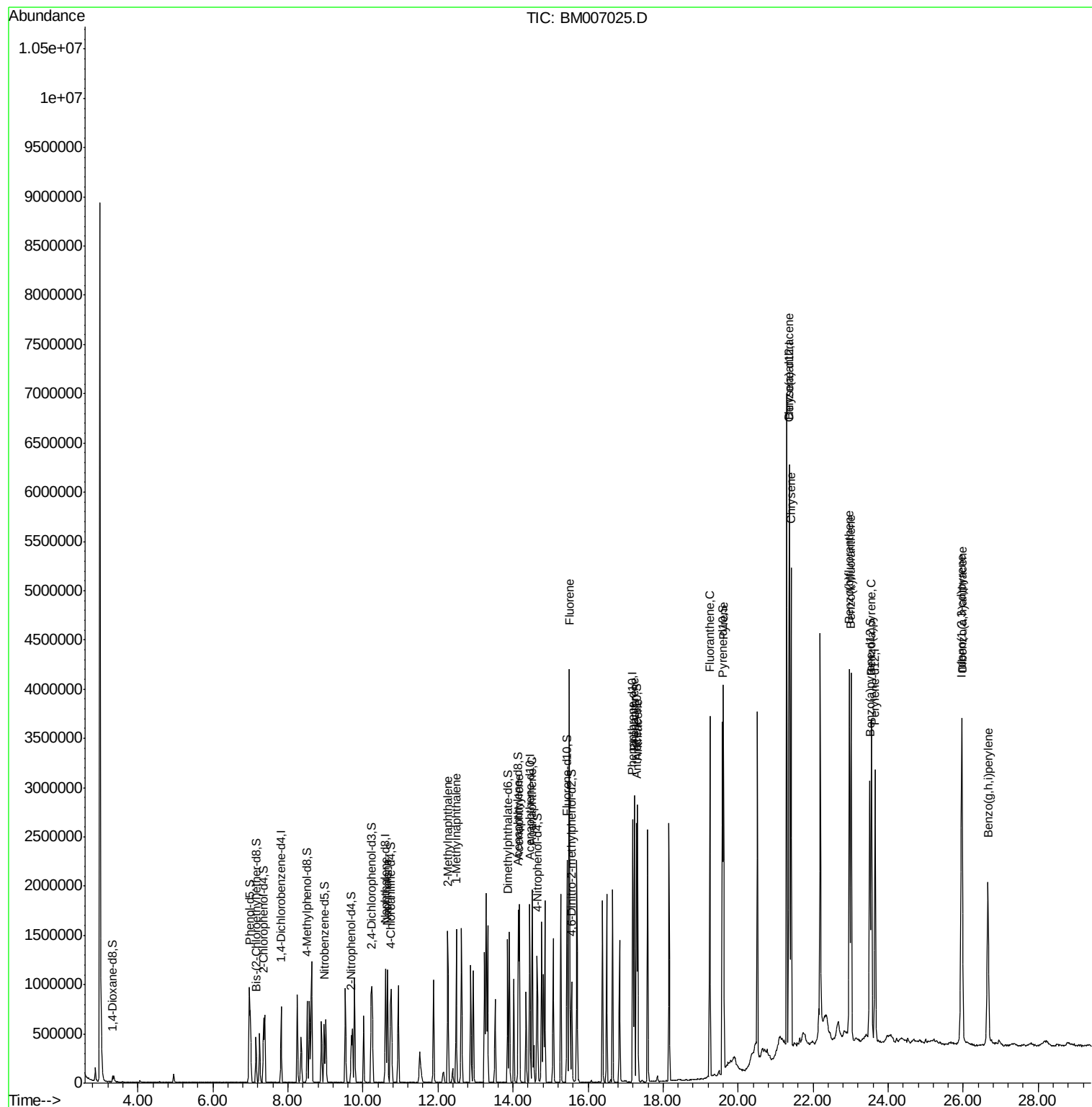
						Qvalue
11) Naphthalene	10.66	128	926170	20.33	ng/ul	99
13) 2-Methylnaphthalene	12.26	142	730661	20.26	ng/ul	98
14) 1-Methylnaphthalene	12.49	142	698707	20.19	ng/ul	98
18) Acenaphthylene	14.17	152	1261435	20.56	ng/ul	99
19) Acenaphthene	14.51	153	818296	20.63	ng/ul	99
22) Fluorene	15.50	166	987040	20.97	ng/ul	98
25) Phenanthrene	17.23	178	1721832	20.71	ng/ul	100
27) Anthracene	17.33	178	1789679	20.84	ng/ul	100
28) Fluoranthene	19.25	202	2323731	22.19	ng/ul	98
31) Pyrene	19.61	202	2432124	19.14	ng/ul	100
32) Benzo(a)anthracene	21.36	228	2651797	20.56	ng/ul	100
33) Chrysene	21.41	228	2409302	20.58	ng/ul	100
35) Benzo(b)fluoranthene	22.97	252	2826759	20.68	ng/ul	100
36) Benzo(k)fluoranthene	23.02	252	2614091	20.25	ng/ul	98
38) Benzo(a)pyrene	23.56	252	2570944	20.45	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.96	276	2706862	21.71	ng/ul	99
40) Dibenzo(a,h)anthracene	25.97	278	2303261	22.32	ng/ul	99
41) Benzo(g,h,i)perylene	26.66	276	2216416	21.62	ng/ul	98

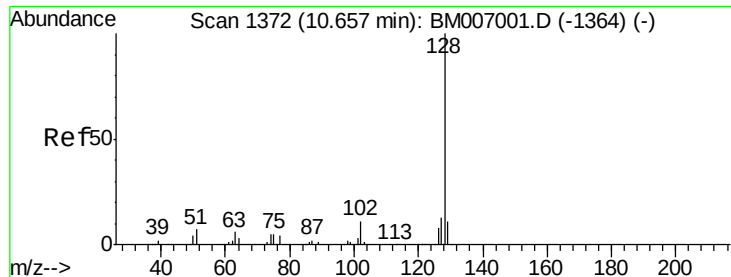
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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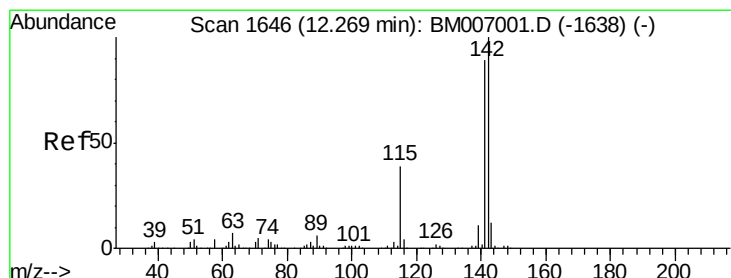
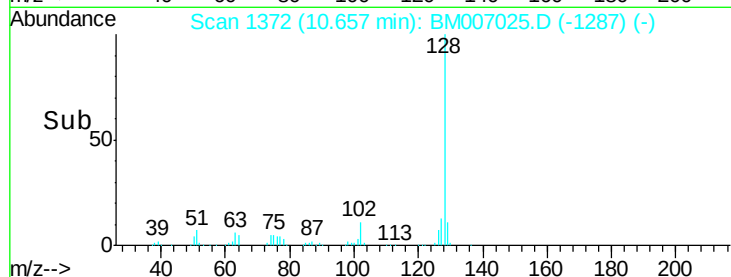
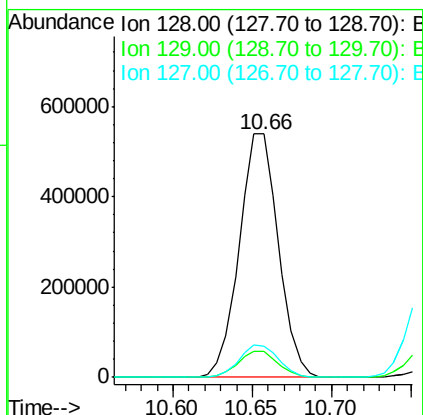
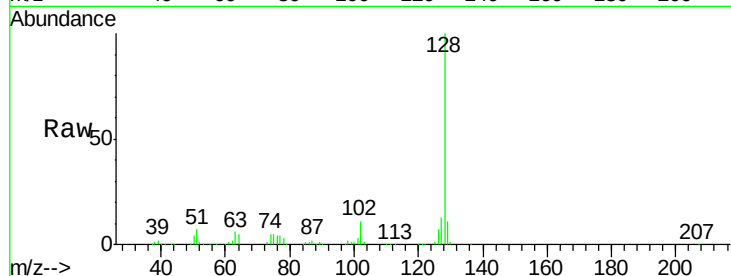




#11
Naphthalene
Concen: 20.33 ng/ul
RT: 10.66 min Scan# 1372
Delta R.T. 0.00 min
Lab File: BM007025.D
Acq: 11 Aug 2016 06:13

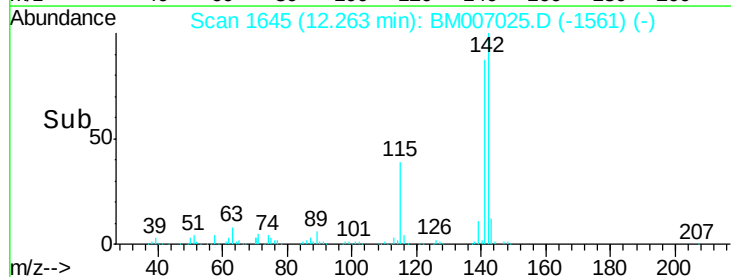
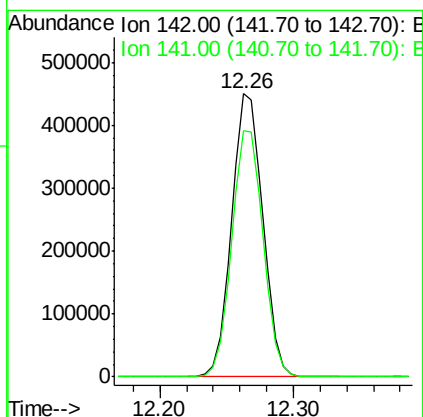
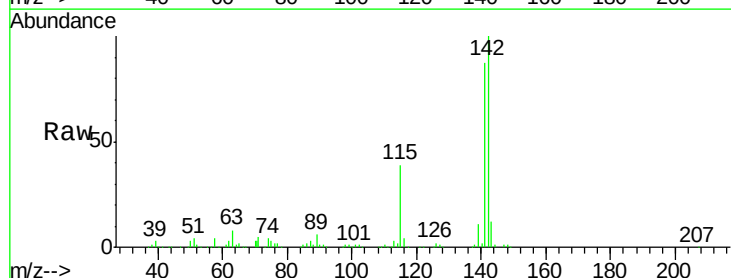
Instrument :
BNA_M
ClientSampleId :
SSTD02045

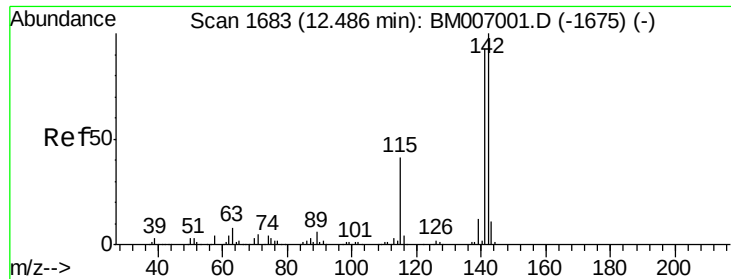
Tgt Ion:128 Resp: 926170
Ion Ratio Lower Upper
128 100
129 10.6 8.9 13.3
127 12.6 10.4 15.6



#13
2-Methylnaphthalene
Concen: 20.26 ng/ul
RT: 12.26 min Scan# 1645
Delta R.T. -0.01 min
Lab File: BM007025.D
Acq: 11 Aug 2016 06:13

Tgt Ion:142 Resp: 730661
Ion Ratio Lower Upper
142 100
141 86.9 71.0 106.6

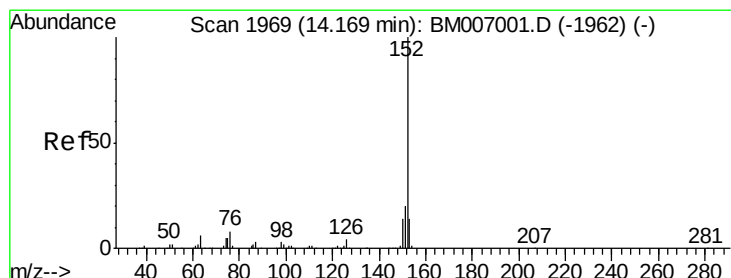
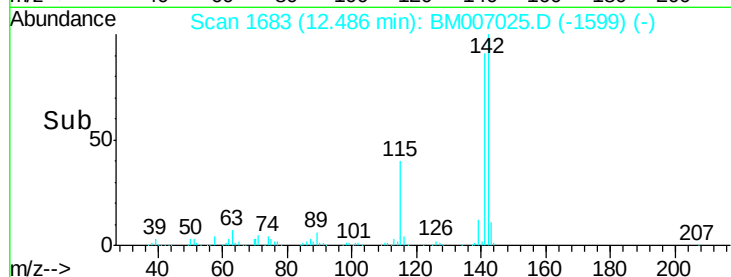
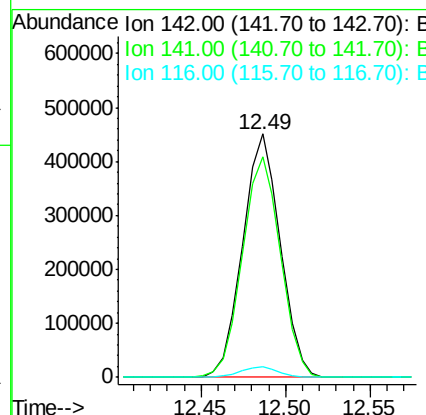
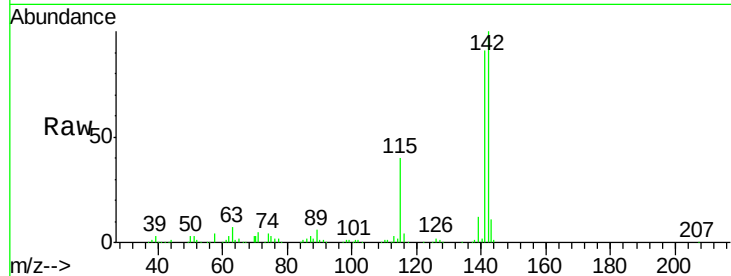




#14
 1-Methylnaphthalene
 Concen: 20.19 ng/ul
 RT: 12.49 min Scan# 1683
 Delta R.T. -0.01 min
 Lab File: BM007025.D
 Acq: 11 Aug 2016 06:13

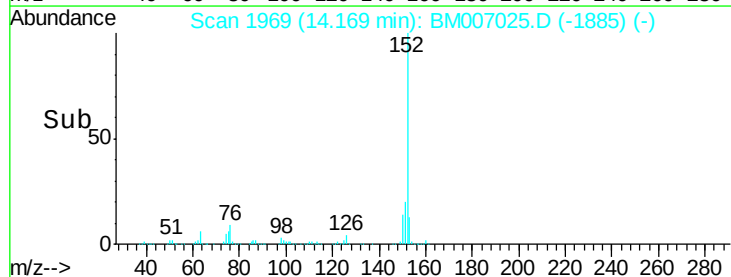
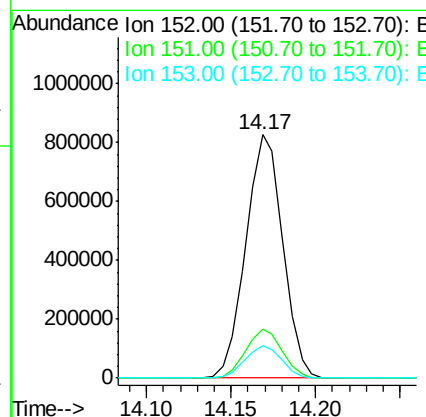
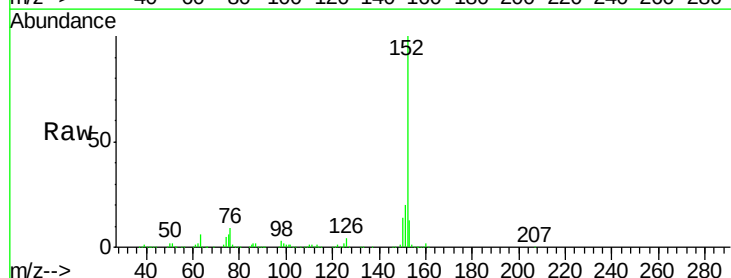
Instrument :
 BNA_M
 ClientSampleId :
 SSTD02045

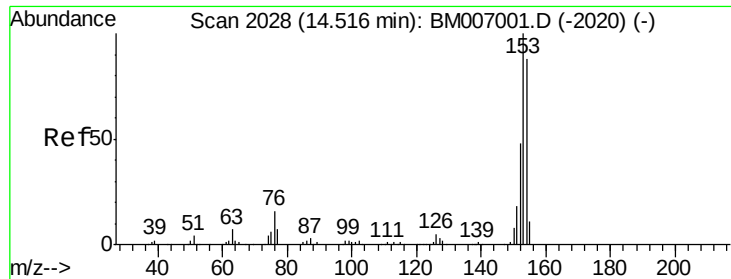
Tgt Ion:142 Resp: 698707
 Ion Ratio Lower Upper
 142 100
 141 90.8 74.4 111.6
 116 4.2 3.2 4.8



#18
 Acenaphthylene
 Concen: 20.56 ng/ul
 RT: 14.17 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: BM007025.D
 Acq: 11 Aug 2016 06:13

Tgt Ion:152 Resp: 1261435
 Ion Ratio Lower Upper
 152 100
 151 20.4 16.1 24.1
 153 13.4 10.4 15.6





#19

Acenaphthene

Concen: 20.63 ng/ul

RT: 14.51 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BM007025.D

Acq: 11 Aug 2016 06:13

Instrument :

BNA_M

ClientSampleId :

SSTD02045

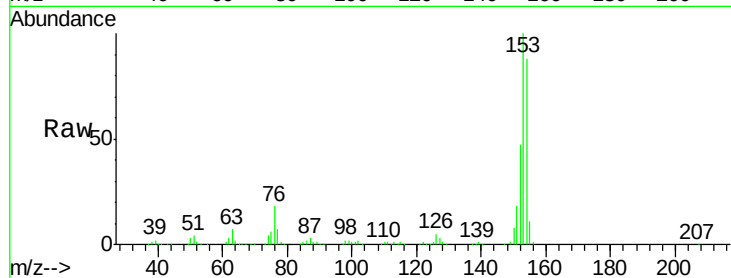
Tgt Ion:153 Resp: 818296

Ion Ratio Lower Upper

153 100

152 46.9 37.0 55.6

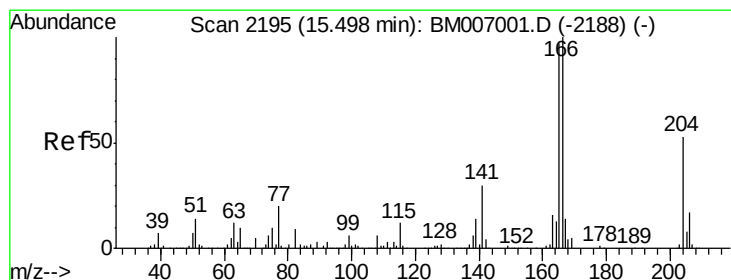
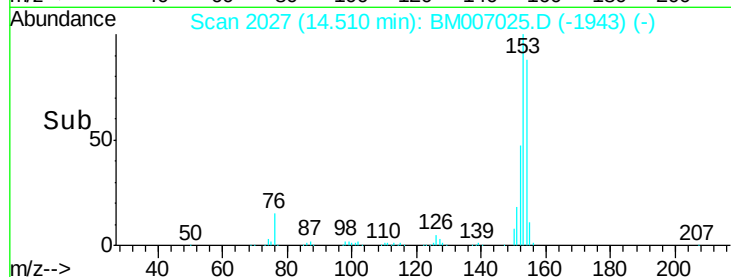
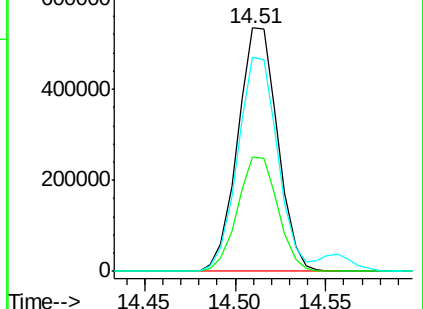
154 88.1 70.9 106.3



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



#22

Fluorene

Concen: 20.97 ng/ul

RT: 15.50 min Scan# 2195

Delta R.T. -0.01 min

Lab File: BM007025.D

Acq: 11 Aug 2016 06:13

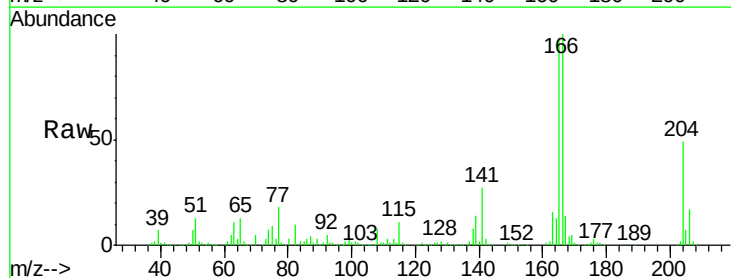
Tgt Ion:166 Resp: 987040

Ion Ratio Lower Upper

166 100

165 97.5 76.6 115.0

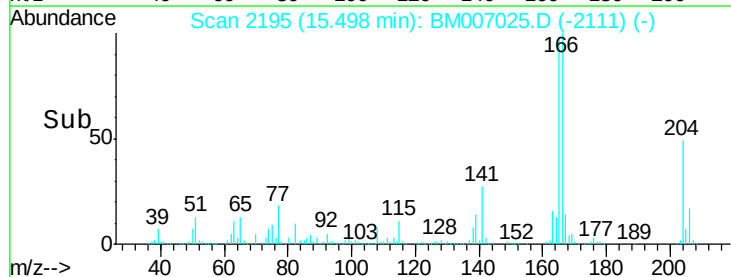
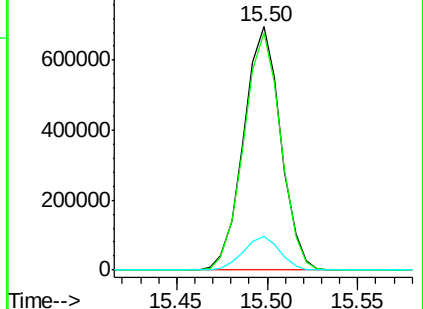
167 13.7 10.7 16.1

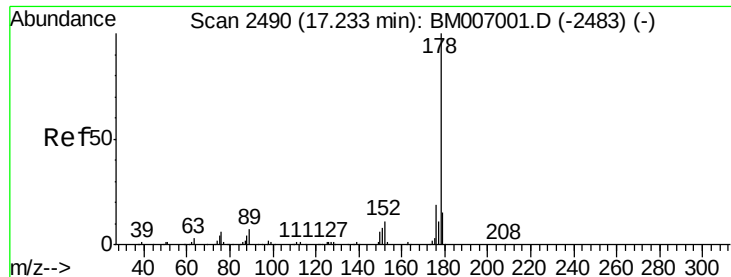


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 20.71 ng/ul

RT: 17.23 min Scan# 2490

Delta R.T. -0.01 min

Lab File: BM007025.D

Acq: 11 Aug 2016 06:13

Instrument :

BNA_M

ClientSampleId :

SSTD02045

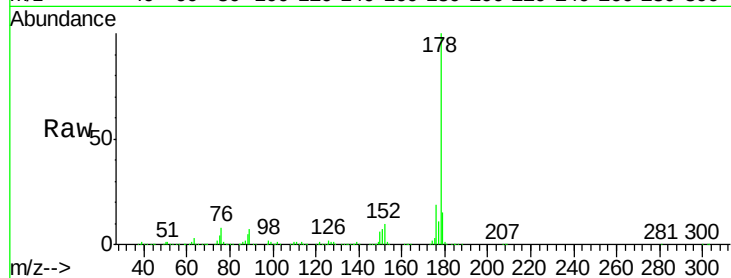
Tgt Ion:178 Resp: 1721832

Ion Ratio Lower Upper

178 100

179 15.3 12.2 18.2

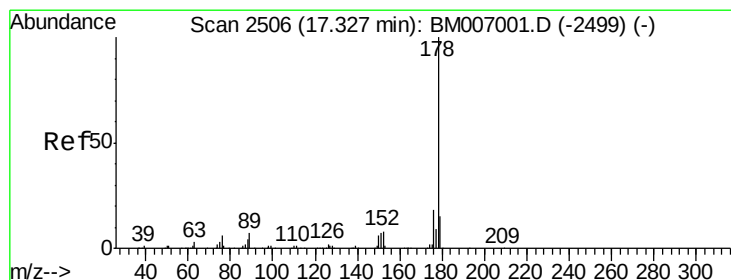
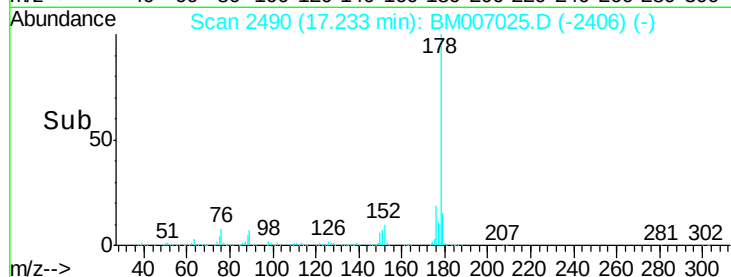
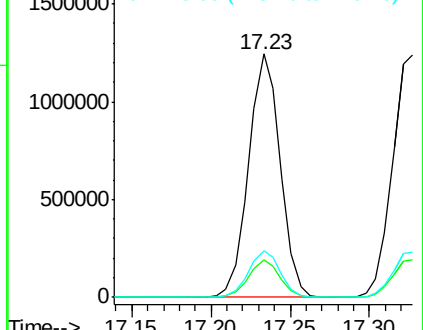
176 18.9 15.2 22.8



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: 20.84 ng/ul

RT: 17.33 min Scan# 2506

Delta R.T. 0.00 min

Lab File: BM007025.D

Acq: 11 Aug 2016 06:13

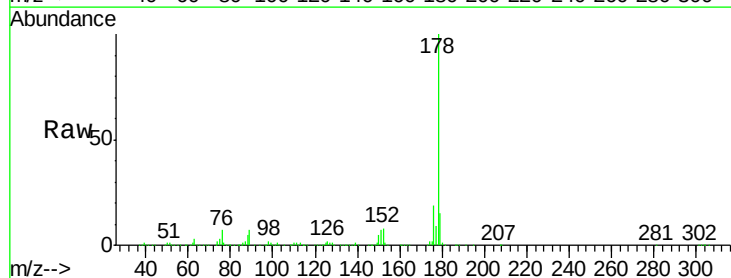
Tgt Ion:178 Resp: 1789679

Ion Ratio Lower Upper

178 100

179 15.4 12.5 18.7

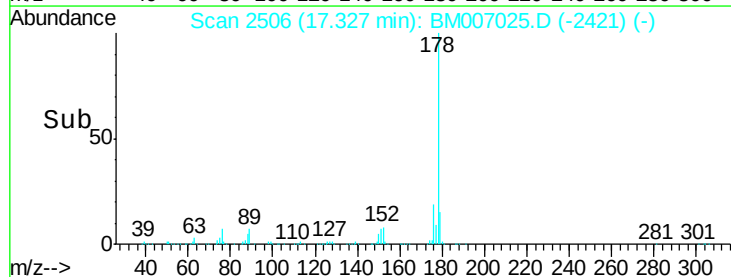
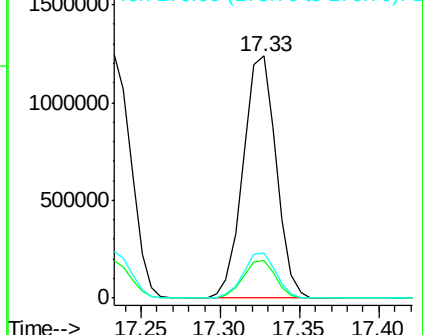
176 18.6 15.0 22.4

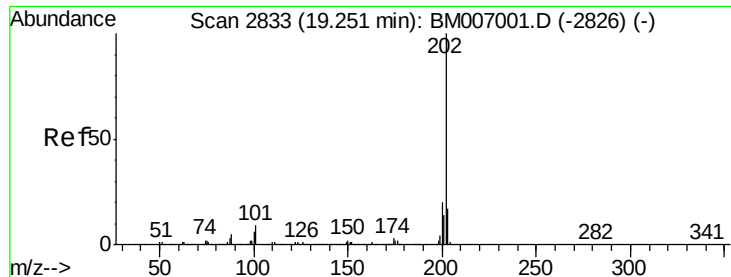


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 22.19 ng/ul

RT: 19.25 min Scan# 2833

Delta R.T. 0.00 min

Lab File: BM007025.D

Acq: 11 Aug 2016 06:13

Instrument :

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ClientSampleId :

SSTD02045

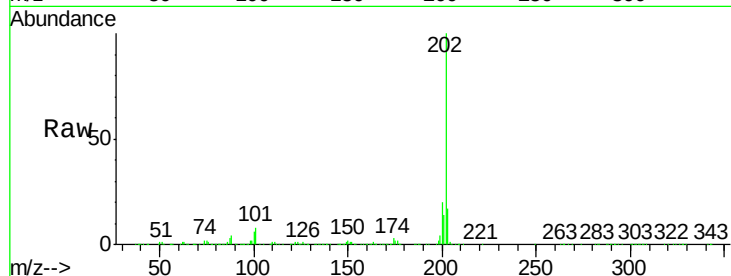
Tgt Ion:202 Resp: 2323731

Ion Ratio Lower Upper

202 100

101 8.4 7.4 11.2

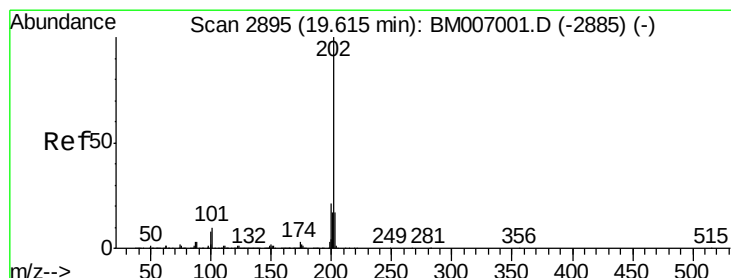
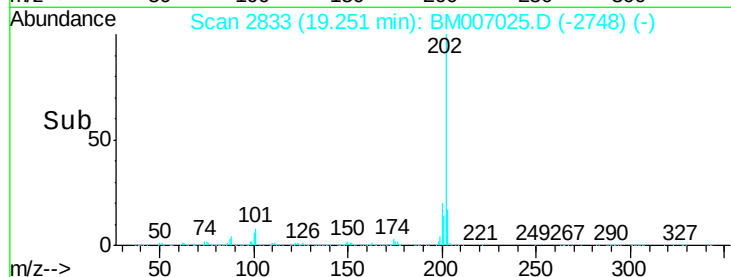
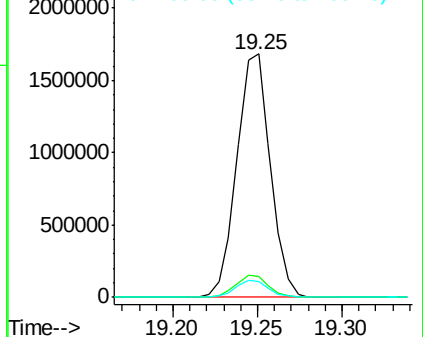
100 6.4 5.8 8.6



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: 19.14 ng/ul

RT: 19.61 min Scan# 2894

Delta R.T. -0.01 min

Lab File: BM007025.D

Acq: 11 Aug 2016 06:13

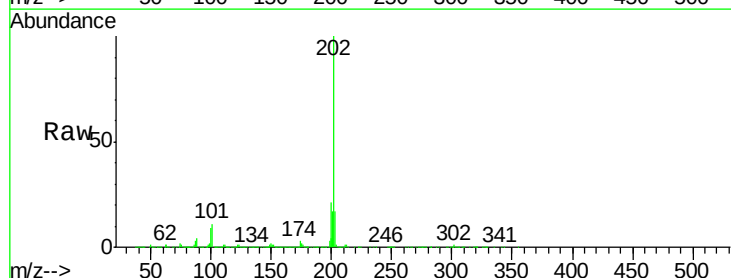
Tgt Ion:202 Resp: 2432124

Ion Ratio Lower Upper

202 100

101 10.7 8.5 12.7

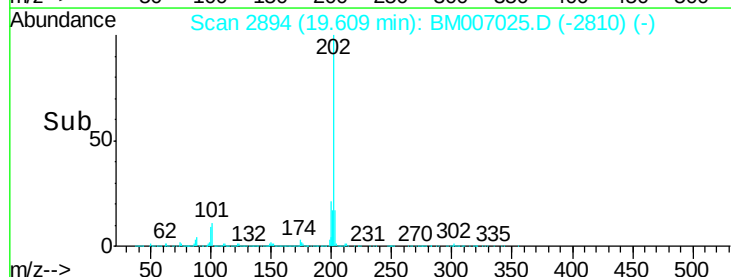
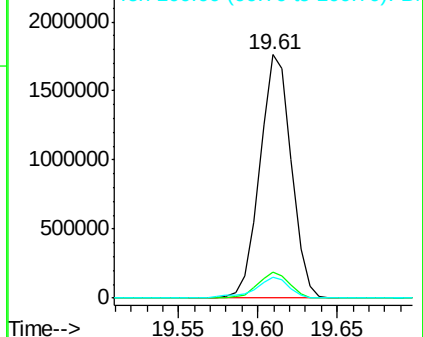
100 8.8 7.1 10.7

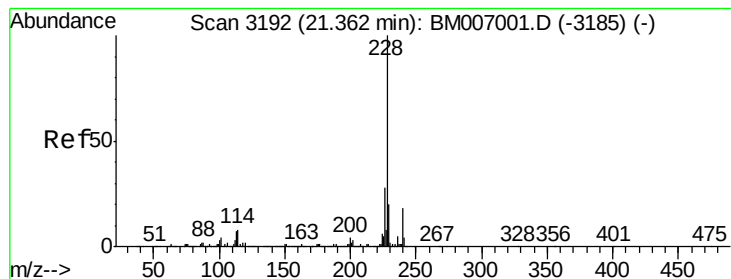


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 20.56 ng/ul

RT: 21.36 min Scan# 3191

Delta R.T. -0.01 min

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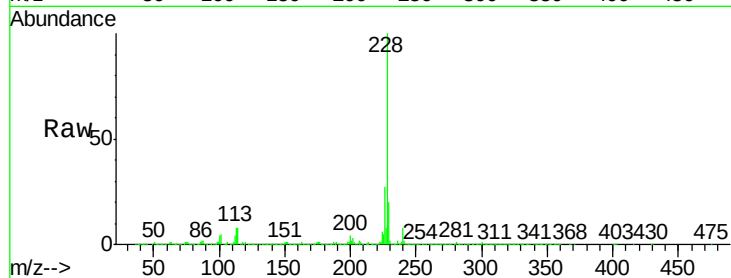
Tgt Ion:228 Resp: 2651797

Ion Ratio Lower Upper

228 100

229 20.1 15.8 23.6

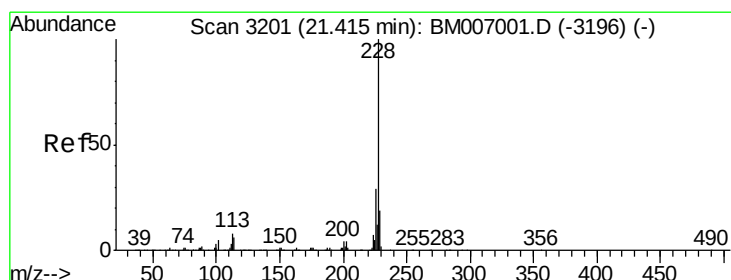
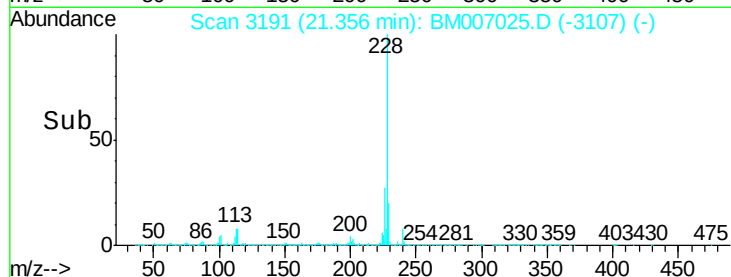
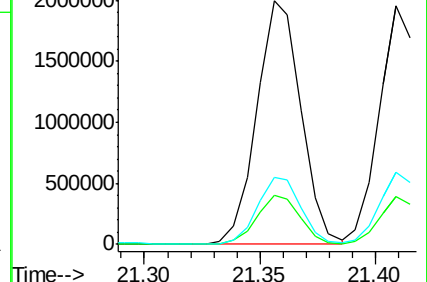
226 27.3 21.9 32.9



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: 20.58 ng/ul

RT: 21.41 min Scan# 3200

Delta R.T. -0.01 min

Lab File: BM007025.D

Acq: 11 Aug 2016 06:13

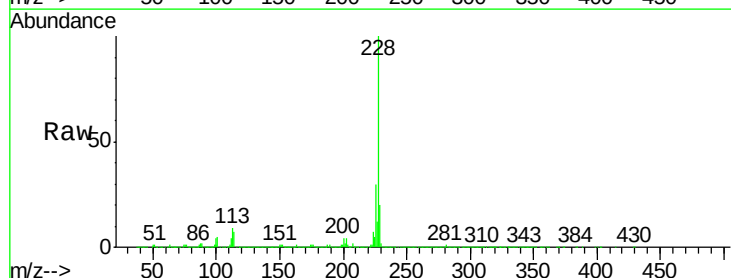
Tgt Ion:228 Resp: 2409302

Ion Ratio Lower Upper

228 100

226 30.0 24.2 36.4

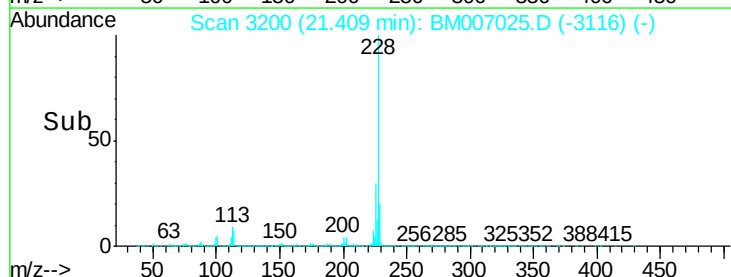
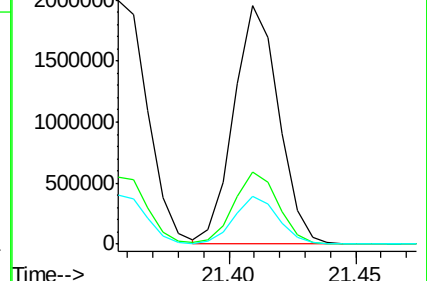
229 20.0 15.9 23.9

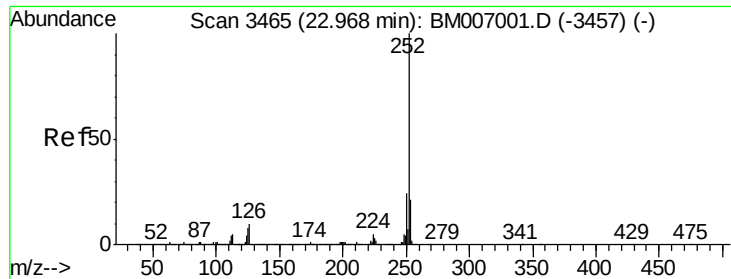


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 20.68 ng/ul

RT: 22.97 min Scan# 3465

Delta R.T. 0.00 min

Lab File: BM007025.D

Acq: 11 Aug 2016 06:13

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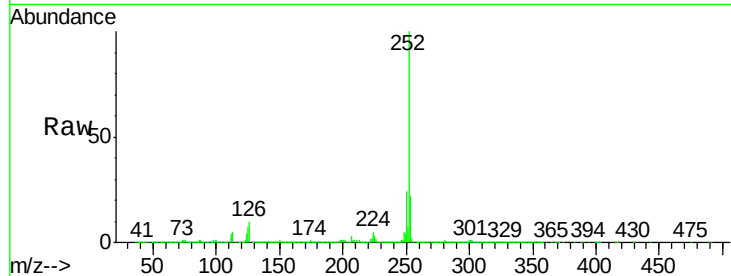
Tgt Ion:252 Resp: 2826759

Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.2

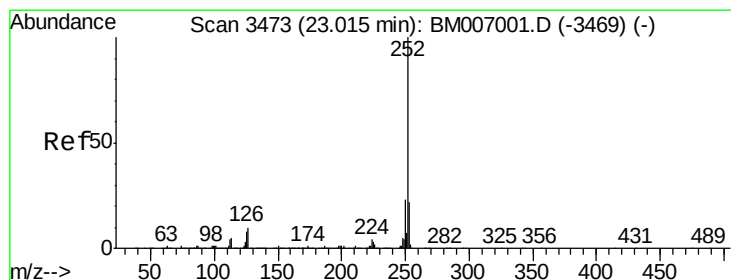
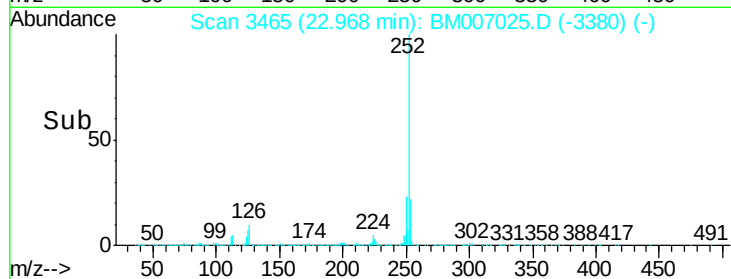
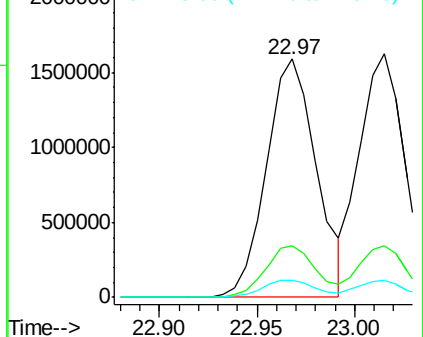
125 7.3 6.0 9.0



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: 20.25 ng/ul

RT: 23.02 min Scan# 3473

Delta R.T. 0.00 min

Lab File: BM007025.D

Acq: 11 Aug 2016 06:13

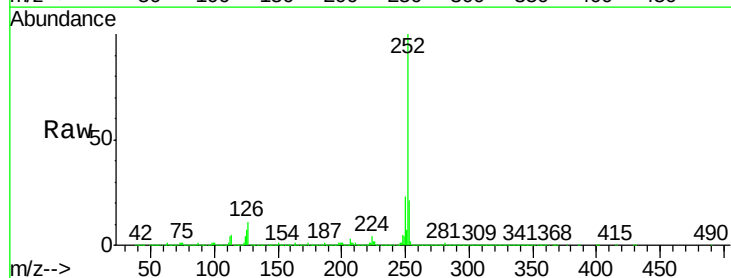
Tgt Ion:252 Resp: 2614091

Ion Ratio Lower Upper

252 100

253 21.2 17.8 26.6

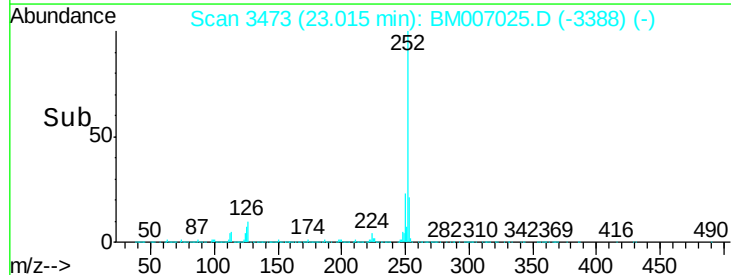
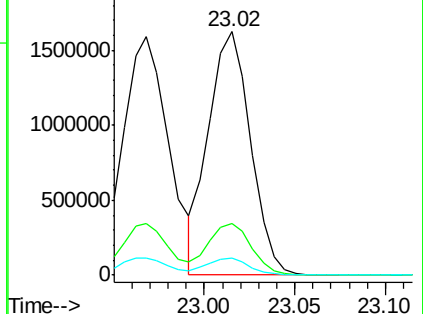
125 7.2 6.2 9.4

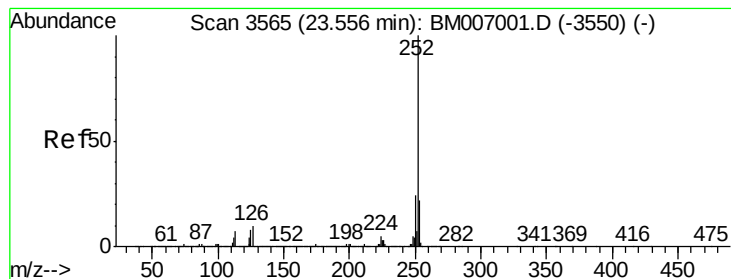


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 20.45 ng/ul

RT: 23.56 min Scan# 3565

Delta R.T. 0.00 min

Lab File: BM007025.D

Acq: 11 Aug 2016 06:13

Instrument :

BNA_M

ClientSampleId :

SSTD02045

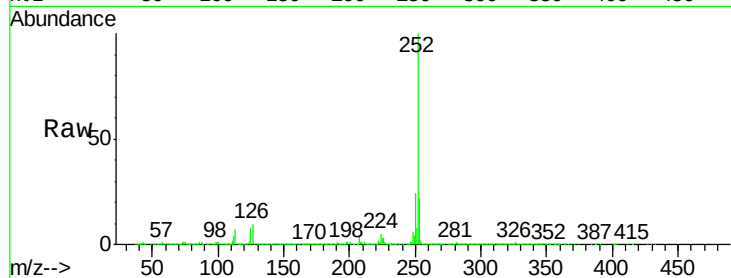
Tgt Ion:252 Resp: 2570944

Ion Ratio Lower Upper

252 100

253 21.6 17.7 26.5

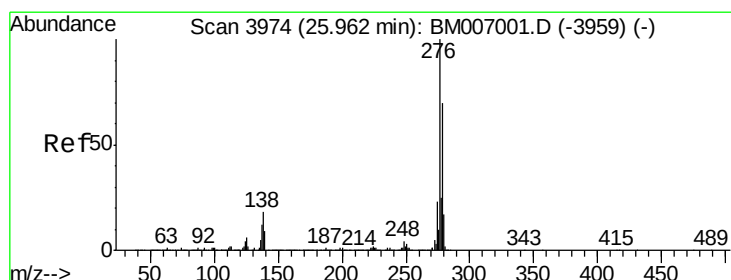
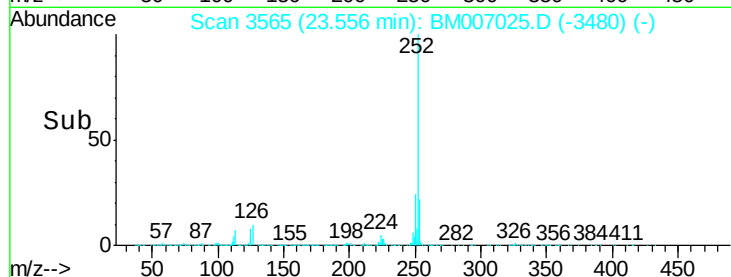
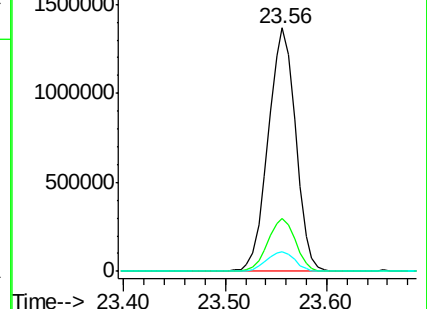
125 7.9 6.8 10.2



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: 21.71 ng/ul

RT: 25.96 min Scan# 3973

Delta R.T. -0.01 min

Lab File: BM007025.D

Acq: 11 Aug 2016 06:13

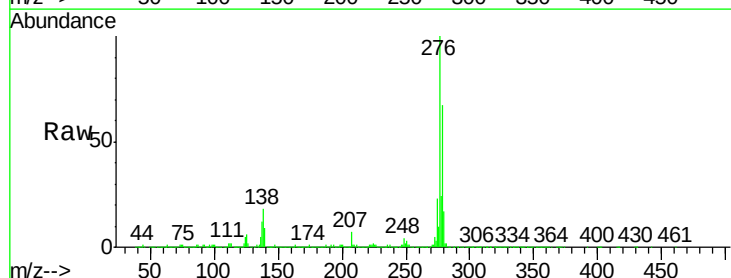
Tgt Ion:276 Resp: 2706862

Ion Ratio Lower Upper

276 100

138 18.4 14.9 22.3

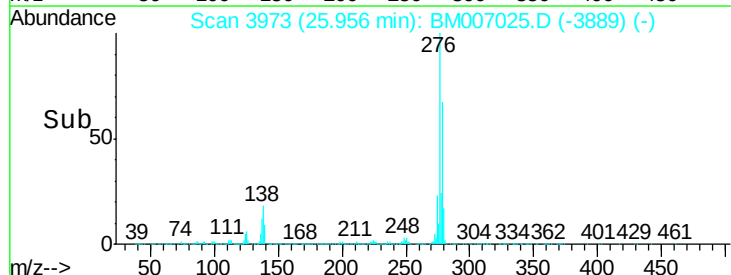
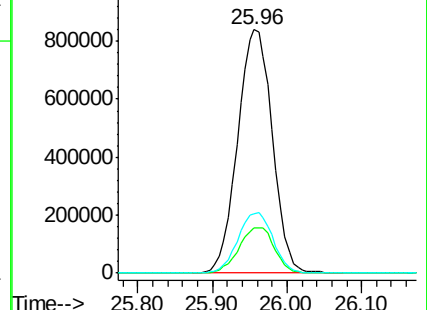
277 24.4 19.8 29.6

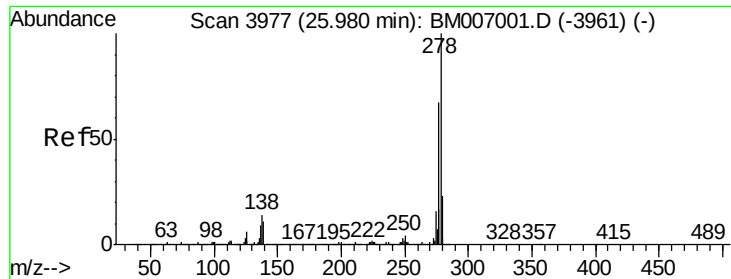


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#40

Dibenzo(a,h)anthracene

Concen: 22.32 ng/ul

RT: 25.97 min Scan# 3976

Delta R.T. -0.01 min

Lab File: BM007025.D

Acq: 11 Aug 2016 06:13

Instrument :

BNA_M

ClientSampled :

SSTD02045

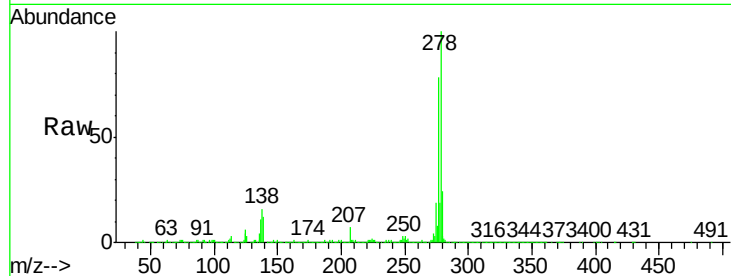
Tgt Ion:278 Resp: 2303261

Ion Ratio Lower Upper

278 100

139 12.5 10.3 15.5

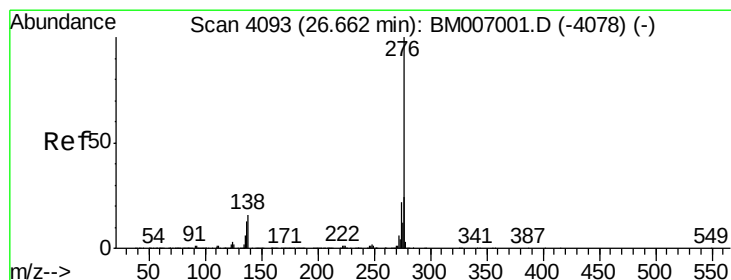
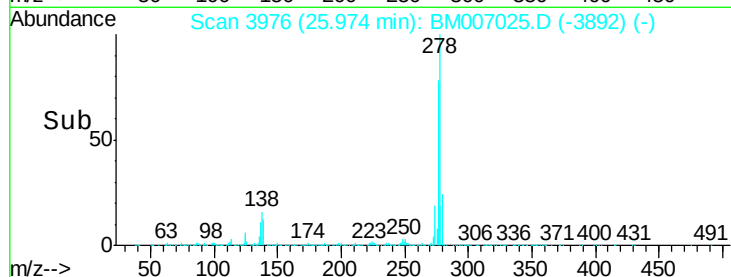
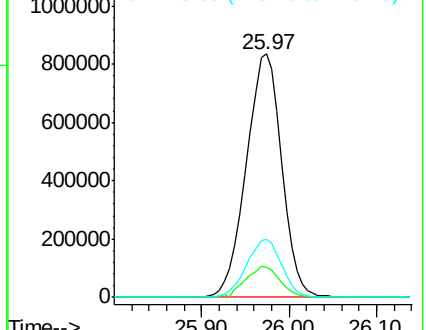
279 24.0 18.8 28.2



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: 21.62 ng/ul

RT: 26.66 min Scan# 4092

Delta R.T. -0.01 min

Lab File: BM007025.D

Acq: 11 Aug 2016 06:13

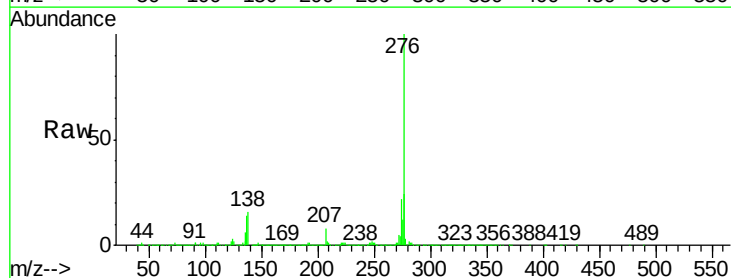
Tgt Ion:276 Resp: 2216416

Ion Ratio Lower Upper

276 100

138 16.5 14.0 21.0

277 23.7 19.6 29.4



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

