

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061016\
 Data File : BM005720.D
 Acq On : 11 Jun 2016 01:16
 Operator : UM/SJ
 Sample : SSTD08035
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD08035

Quant Time: Jun 11 05:17:54 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jun 11 05:17:22 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	75344	20.00	ng/ul	0.00
7) Naphthalene-d8	10.53	136	377577	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.39	164	225554	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.14	188	516048	20.00	ng/ul	0.00
29) Chrysene-d12	21.32	240	503000	20.00	ng/ul	0.00
34) Perylene-d12	23.57	264	453094	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.19	96	47611	26.76	ng/uL	0.00
3) Phenol-d5	6.93	99	525156	79.66	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.08	67	298402	74.49	ng/ul	0.00
5) 2-Chlorophenol-d4	7.28	132	418128	76.73	ng/ul	0.00
6) 4-Methylphenol-d8	8.47	113	440999	83.17	ng/ul	0.01
8) Nitrobenzene-d5	8.91	128	224288	77.90	ng/ul	0.00
9) 2-Nitrophenol-d4	9.63	143	252152	80.68	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.17	165	435468	78.51	ng/ul	0.00
12) 4-Chloroaniline-d4	10.68	131	499303	74.44	ng/ul	0.00
16) Dimethylphthalate-d6	13.80	166	1313922	74.39	ng/ul	0.00
17) Acenaphthylene-d8	14.09	160	1619095	71.46	ng/ul	0.00
20) 4-Nitrophenol-d4	14.63	143	226221	88.70	ng/ul	0.01
21) Fluorene-d10	15.39	176	1088486	71.95	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.53	200	226036	90.24	ng/ul	0.01
26) Anthracene-d10	17.24	188	1672542	68.32	ng/ul	0.00
30) Pyrene-d10	19.53	212	1810698	72.52	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.43	264	1493501	71.59	ng/ul	0.00

Target Compounds

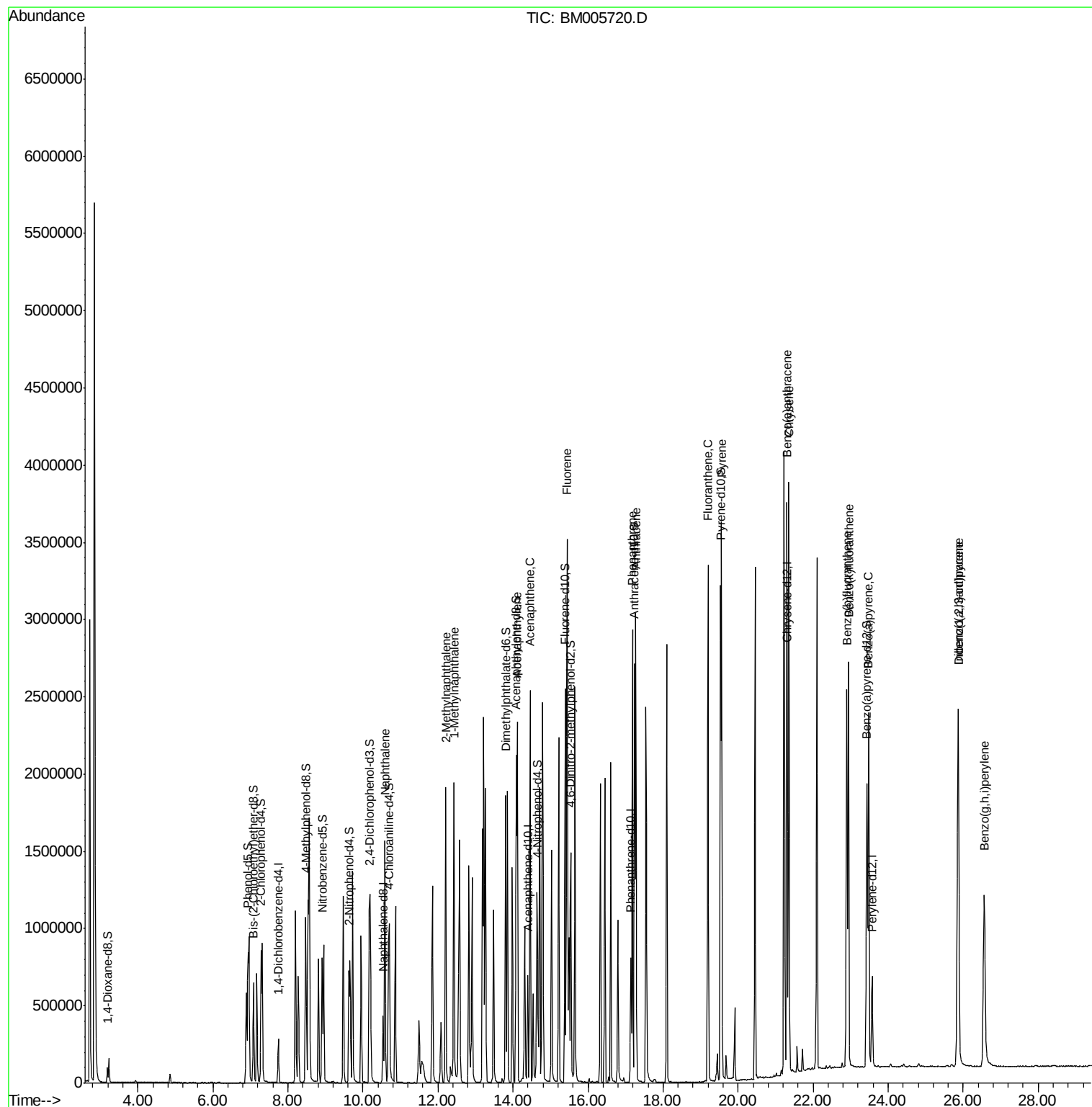
						Qvalue
11) Naphthalene	10.59	128	1348580	70.46	ng/ul	100
13) 2-Methylnaphthalene	12.20	142	1006215	74.28	ng/ul	100
14) 1-Methylnaphthalene	12.43	142	983003	73.67	ng/ul	98
18) Acenaphthylene	14.12	152	1619703	69.42	ng/ul	99
19) Acenaphthene	14.46	153	1064933	70.16	ng/ul	98
22) Fluorene	15.44	166	1123324	67.63	ng/ul	99
25) Phenanthrene	17.18	178	1950226	68.43	ng/ul	100
27) Anthracene	17.27	178	1973849	68.10	ng/ul	99
28) Fluoranthene	19.20	202	2263238	75.52	ng/ul	98
31) Pyrene	19.56	202	2227103	70.71	ng/ul	99
32) Benzo(a)anthracene	21.30	228	2111163	71.86	ng/ul	99
33) Chrysene	21.36	228	2021647	71.78	ng/ul	99
35) Benzo(b)fluoranthene	22.90	252	2034568	74.70	ng/ul	99
36) Benzo(k)fluoranthene	22.94	252	1805715	69.44	ng/ul	99
38) Benzo(a)pyrene	23.48	252	1809397	69.23	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.87	276	1826850	61.16	ng/ul	99
40) Dibenzo(a,h)anthracene	25.87	278	1503309	60.12	ng/ul	98
41) Benzo(g,h,i)perylene	26.57	276	1571341	62.78	ng/ul	98

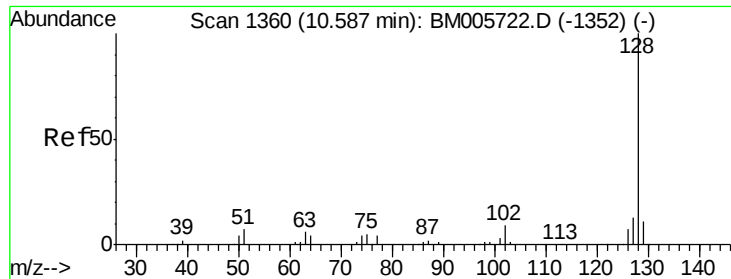
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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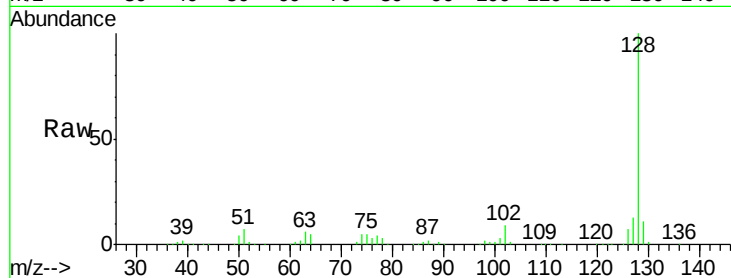




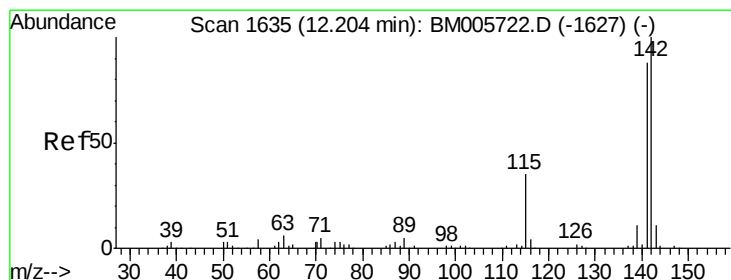
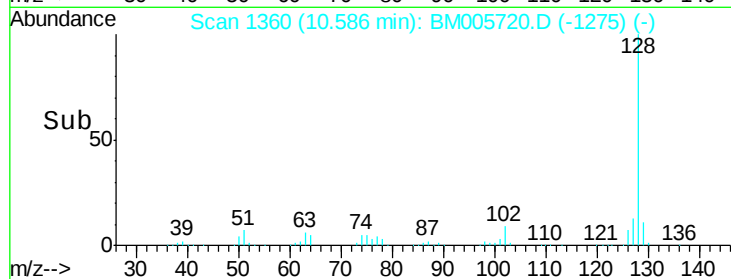
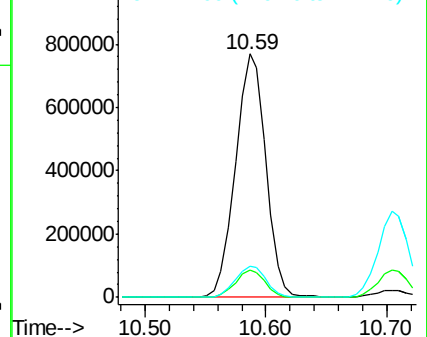
#11
Naphthalene
Concen: 70.46 ng/ul
RT: 10.59 min Scan# 1360
Delta R.T. -0.00 min
Lab File: BM005720.D
Acq: 11 Jun 2016 01:16

Instrument :
BNA_M
ClientSampleId :
SSTD08035

Tgt Ion:128 Resp: 1348580
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 13.0 10.3 15.5

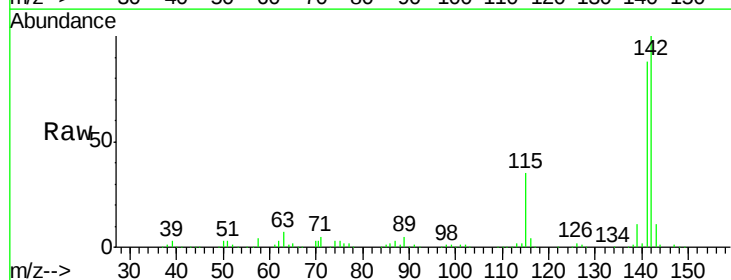


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

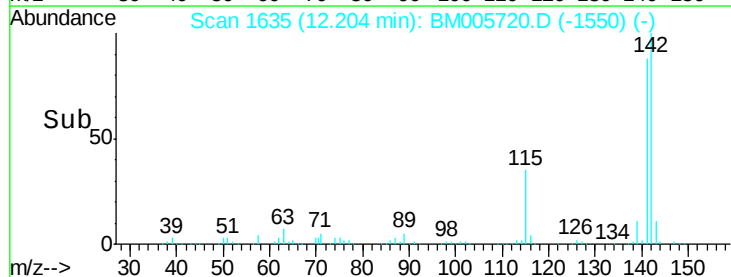
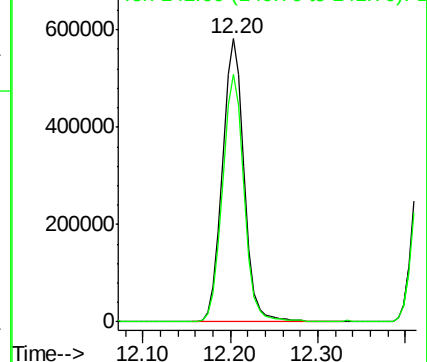


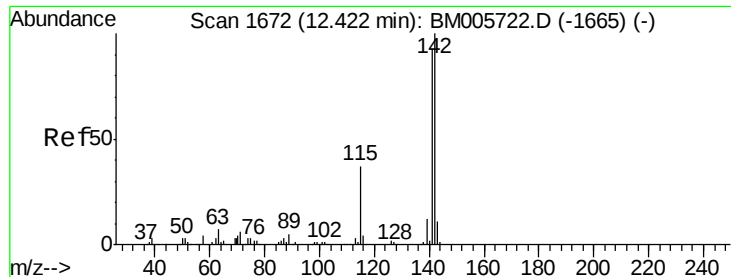
#13
2-Methylnaphthalene
Concen: 74.28 ng/ul
RT: 12.20 min Scan# 1635
Delta R.T. -0.00 min
Lab File: BM005720.D
Acq: 11 Jun 2016 01:16

Tgt Ion:142 Resp: 1006215
Ion Ratio Lower Upper
142 100
141 87.5 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

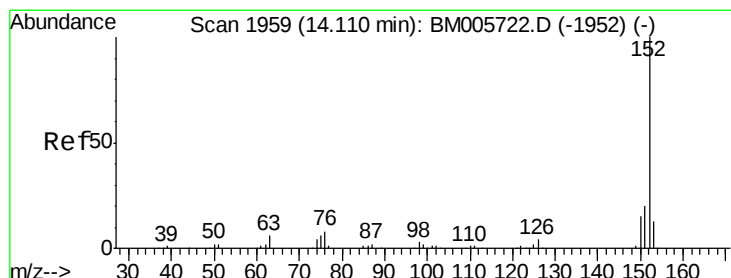
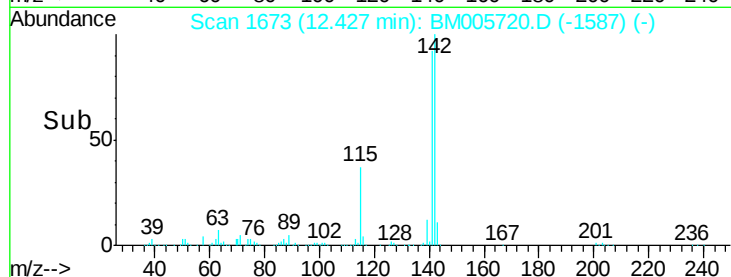
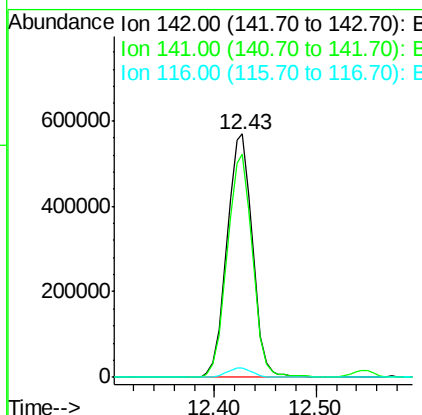
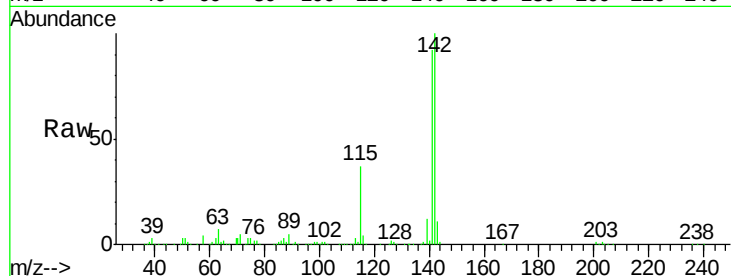




#14
1-Methylnaphthalene
Concen: 73.67 ng/ul
RT: 12.43 min Scan# 1673
Delta R.T. 0.01 min
Lab File: BM005720.D
Acq: 11 Jun 2016 01:16

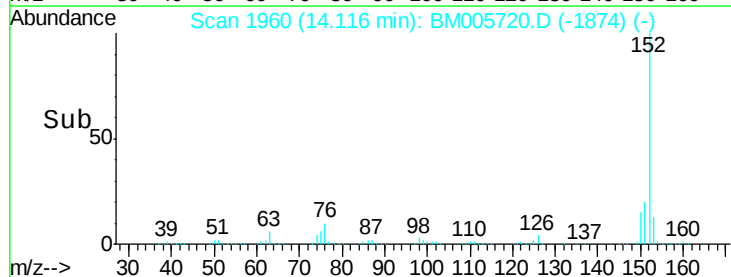
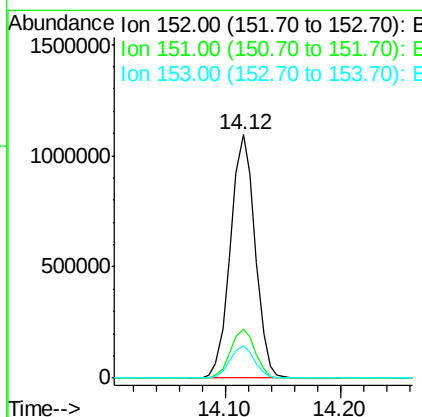
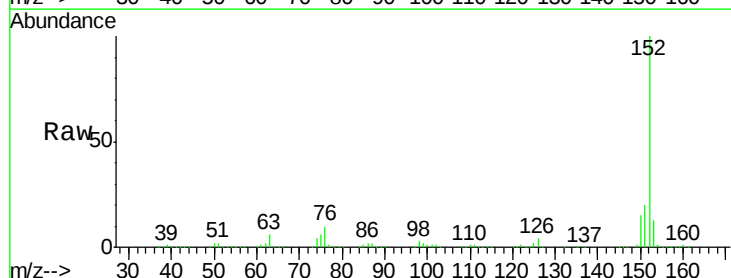
Instrument :
BNA_M
ClientSampleId :
SSTD08035

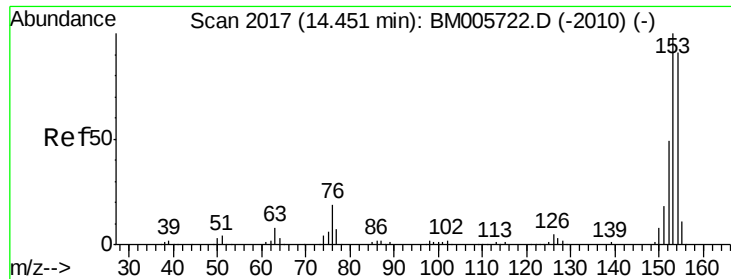
Tgt Ion:142 Resp: 983003
Ion Ratio Lower Upper
142 100
141 91.7 74.6 111.8
116 3.8 3.0 4.6



#18
Acenaphthylene
Concen: 69.42 ng/ul
RT: 14.12 min Scan# 1960
Delta R.T. 0.01 min
Lab File: BM005720.D
Acq: 11 Jun 2016 01:16

Tgt Ion:152 Resp: 1619703
Ion Ratio Lower Upper
152 100
151 20.1 16.3 24.5
153 13.2 10.4 15.6





#19

Acenaphthene

Concen: 70.16 ng/ul

RT: 14.46 min Scan# 2018

Delta R.T. 0.01 min

Lab File: BM005720.D

Acq: 11 Jun 2016 01:16

Instrument :

BNA_M

ClientSampleId :

SSTD08035

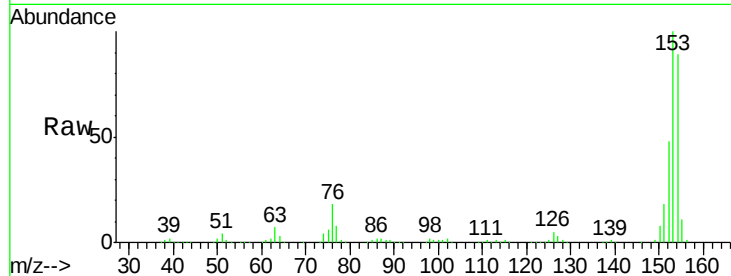
Tgt Ion:153 Resp: 1064933

Ion Ratio Lower Upper

153 100

152 47.5 38.8 58.2

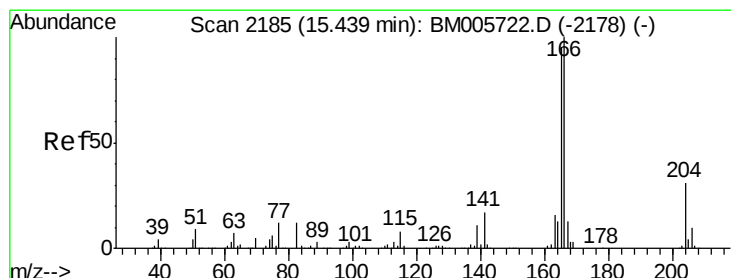
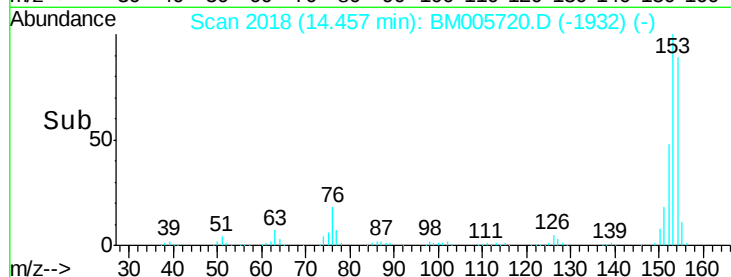
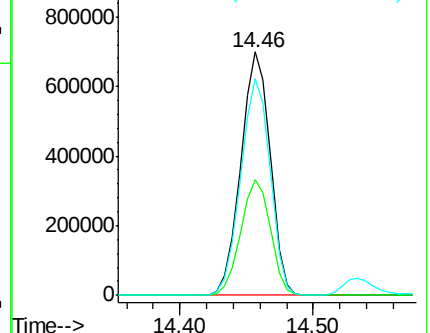
154 88.9 72.5 108.7



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: 67.63 ng/ul

RT: 15.44 min Scan# 2186

Delta R.T. 0.01 min

Lab File: BM005720.D

Acq: 11 Jun 2016 01:16

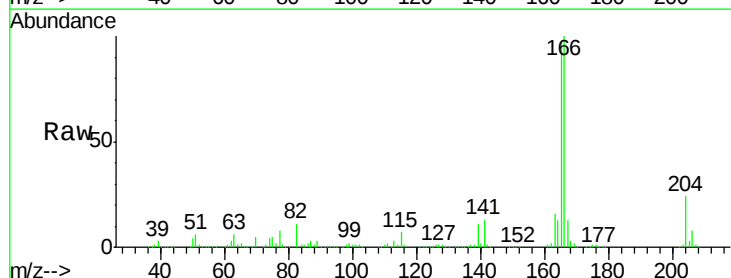
Tgt Ion:166 Resp: 1123324

Ion Ratio Lower Upper

166 100

165 97.0 76.4 114.6

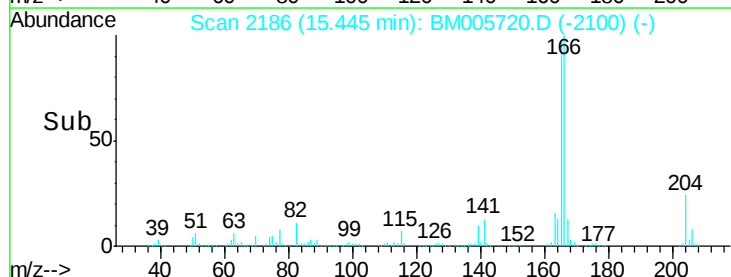
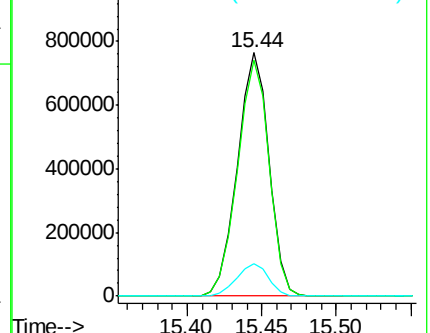
167 13.4 10.6 16.0

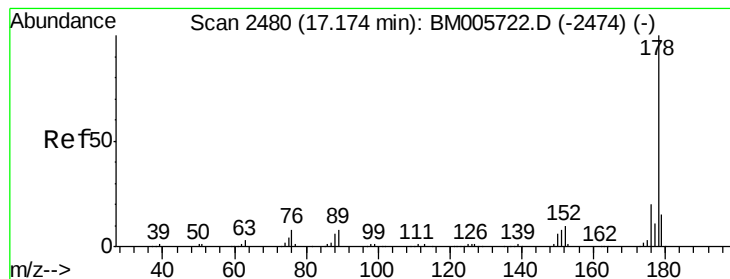


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 68.43 ng/ul

RT: 17.18 min Scan# 2481

Delta R.T. 0.01 min

Lab File: BM005720.D

Acq: 11 Jun 2016 01:16

Instrument :

BNA_M

ClientSampleId :

SSTD08035

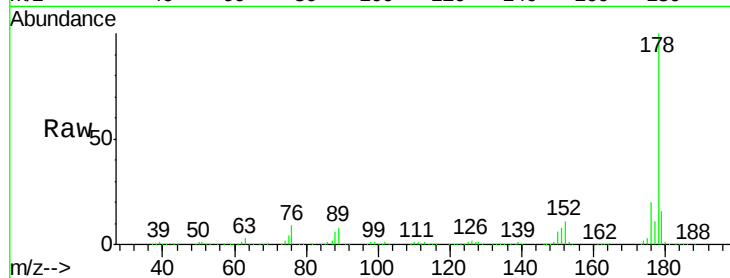
Tgt Ion:178 Resp: 1950226

Ion Ratio Lower Upper

178 100

179 15.6 12.4 18.6

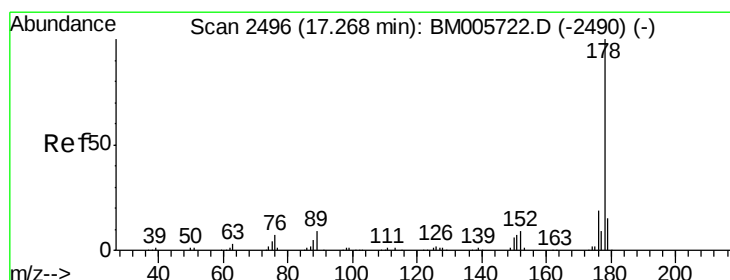
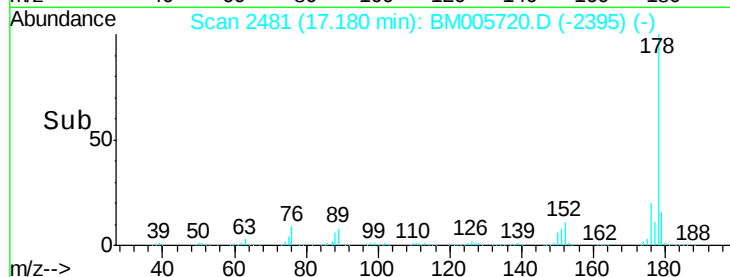
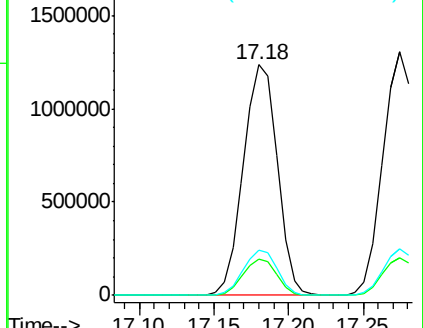
176 19.7 15.8 23.6



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: 68.10 ng/ul

RT: 17.27 min Scan# 2497

Delta R.T. 0.01 min

Lab File: BM005720.D

Acq: 11 Jun 2016 01:16

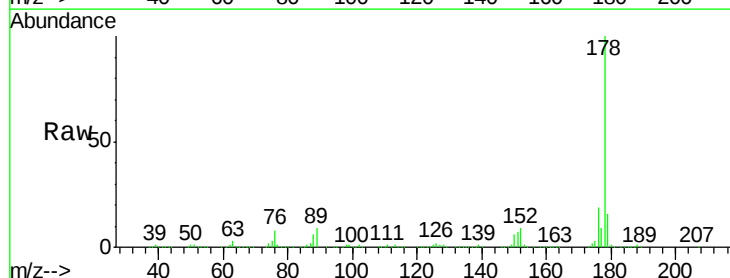
Tgt Ion:178 Resp: 1973849

Ion Ratio Lower Upper

178 100

179 15.6 12.1 18.1

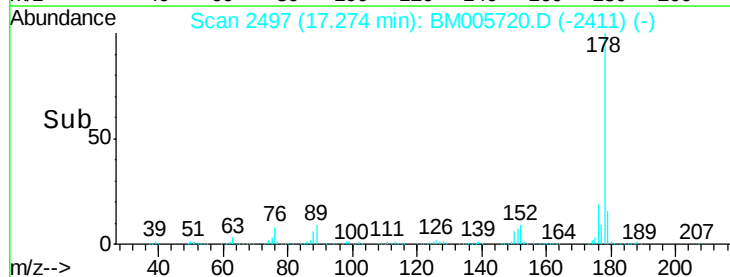
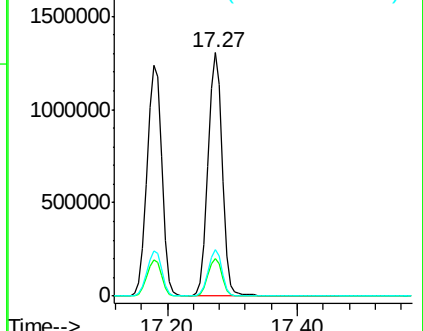
176 19.0 15.0 22.6

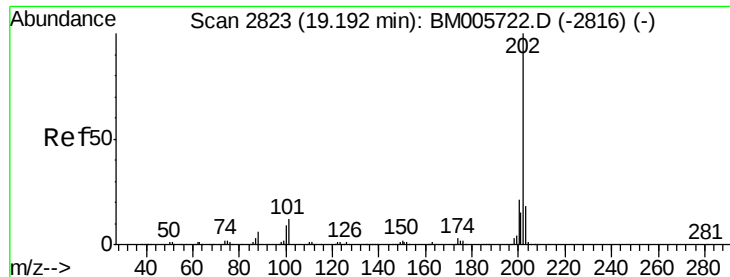


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 75.52 ng/ul

RT: 19.20 min Scan# 2824

Delta R.T. 0.01 min

Lab File: BM005720.D

Acq: 11 Jun 2016 01:16

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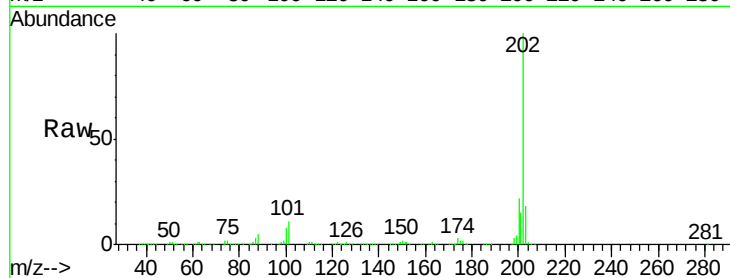
Tgt Ion:202 Resp: 2263238

Ion Ratio Lower Upper

202 100

101 11.0 9.4 14.2

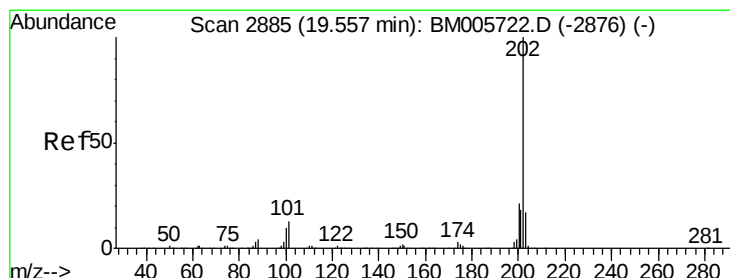
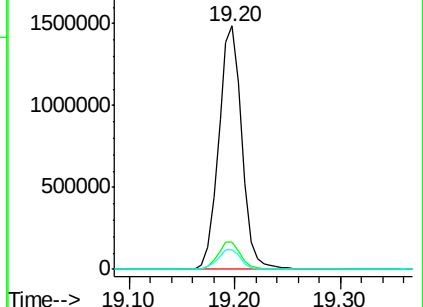
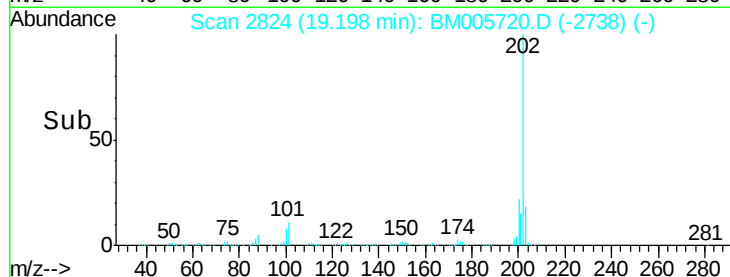
100 8.1 6.9 10.3



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



#31

Pyrene

Concen: 70.71 ng/ul

RT: 19.56 min Scan# 2886

Delta R.T. 0.01 min

Lab File: BM005720.D

Acq: 11 Jun 2016 01:16

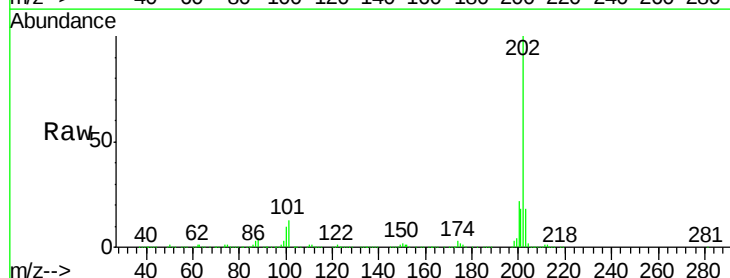
Tgt Ion:202 Resp: 2227103

Ion Ratio Lower Upper

202 100

101 13.3 10.6 15.8

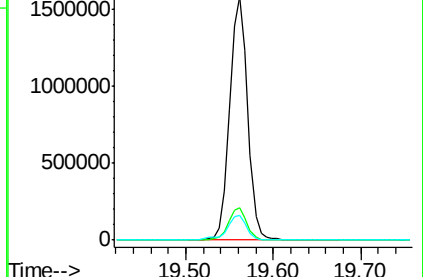
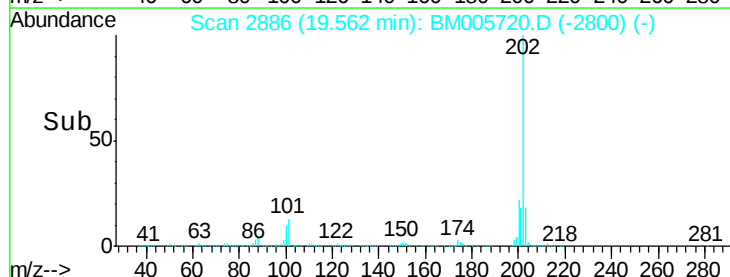
100 10.2 8.4 12.6

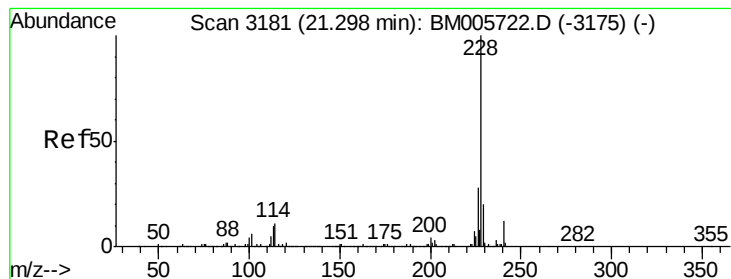


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 71.86 ng/ul

RT: 21.30 min Scan# 3182

Delta R.T. 0.01 min

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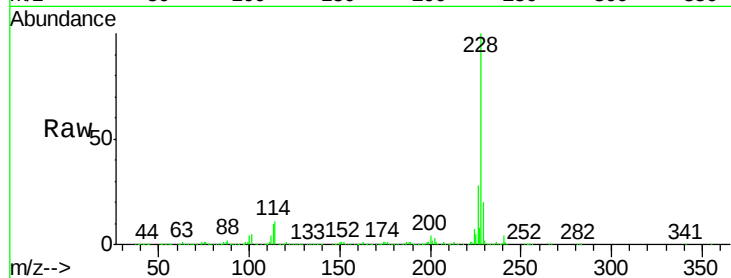
Tgt Ion:228 Resp: 2111163

Ion Ratio Lower Upper

228 100

229 20.1 16.1 24.1

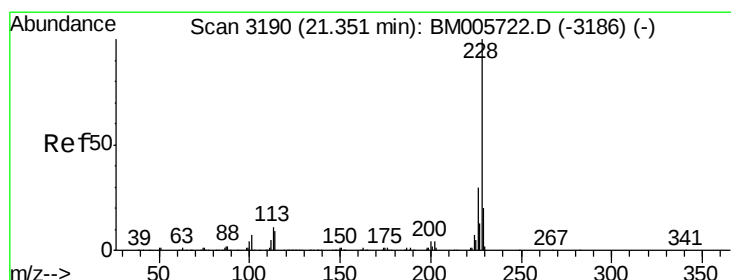
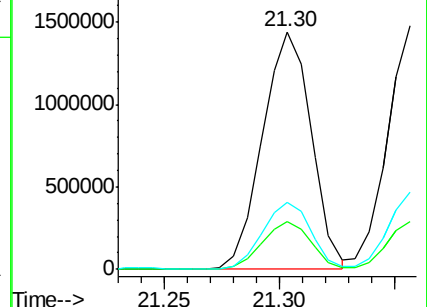
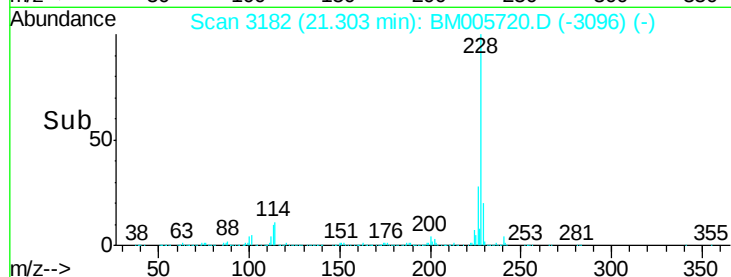
226 28.3 22.1 33.1



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: 71.78 ng/ul

RT: 21.36 min Scan# 3191

Delta R.T. 0.01 min

Lab File: BM005720.D

Acq: 11 Jun 2016 01:16

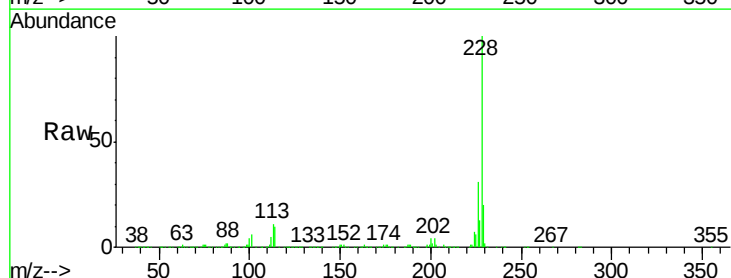
Tgt Ion:228 Resp: 2021647

Ion Ratio Lower Upper

228 100

226 31.5 24.2 36.2

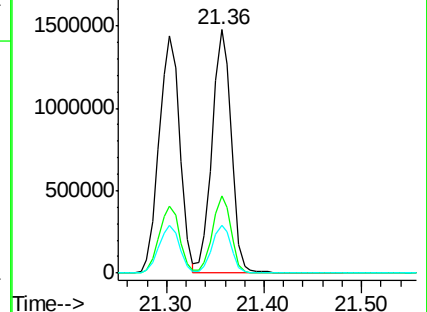
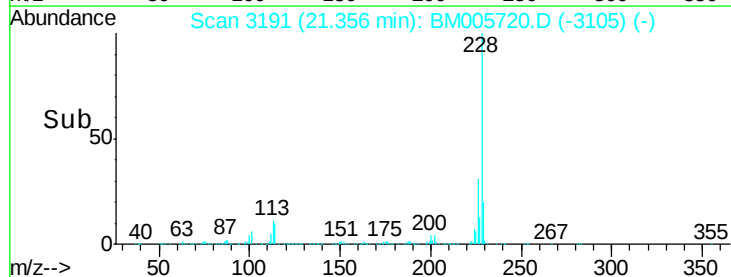
229 19.9 15.8 23.8

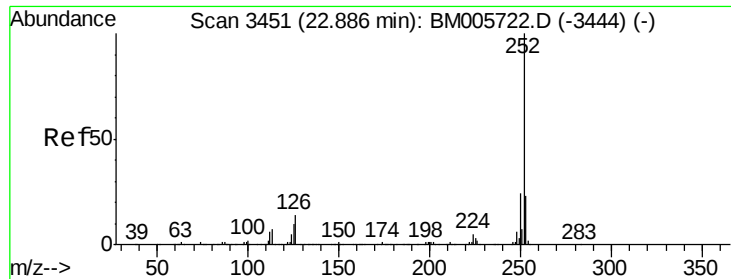


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 74.70 ng/ul

RT: 22.90 min Scan# 3453

Delta R.T. 0.01 min

Lab File: BM005720.D

Acq: 11 Jun 2016 01:16

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ClientSampleId :

SSTD08035

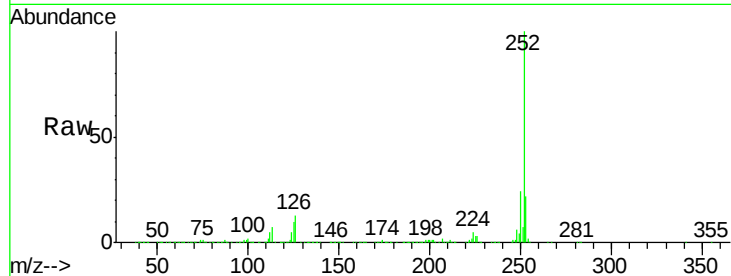
Tgt Ion:252 Resp: 2034568

Ion Ratio Lower Upper

252 100

253 22.4 18.2 27.2

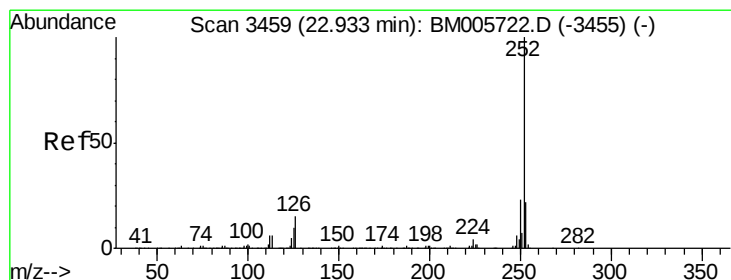
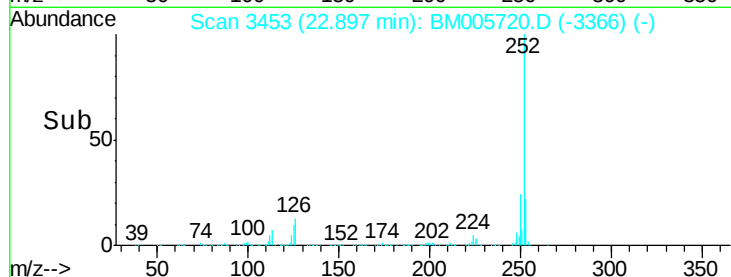
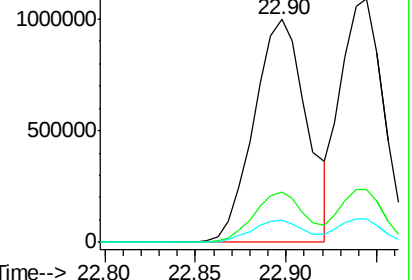
125 9.8 8.4 12.6



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: 69.44 ng/ul

RT: 22.94 min Scan# 3461

Delta R.T. 0.01 min

Lab File: BM005720.D

Acq: 11 Jun 2016 01:16

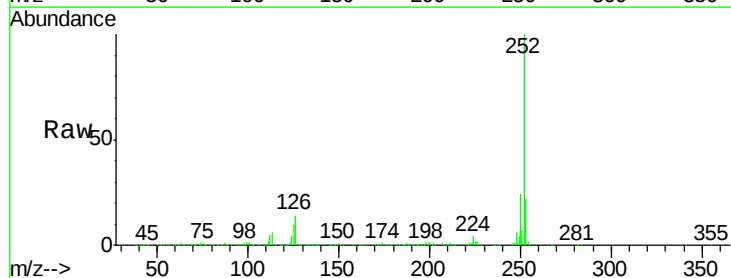
Tgt Ion:252 Resp: 1805715

Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

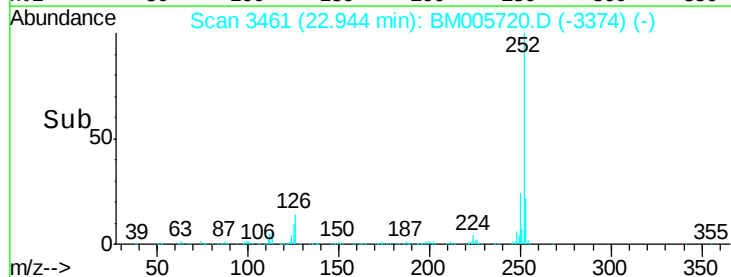
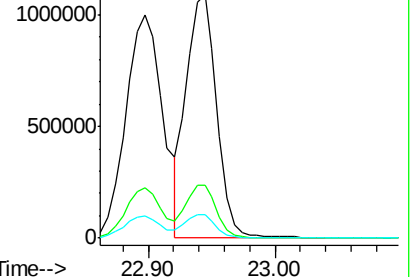
125 9.6 8.2 12.2

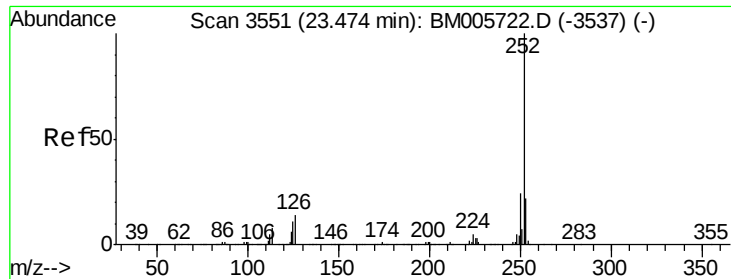


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 69.23 ng/ul

RT: 23.48 min Scan# 3552

Delta R.T. 0.01 min

Lab File: BM005720.D

Acq: 11 Jun 2016 01:16

Instrument :

BNA_M

ClientSampleId :

SSTD08035

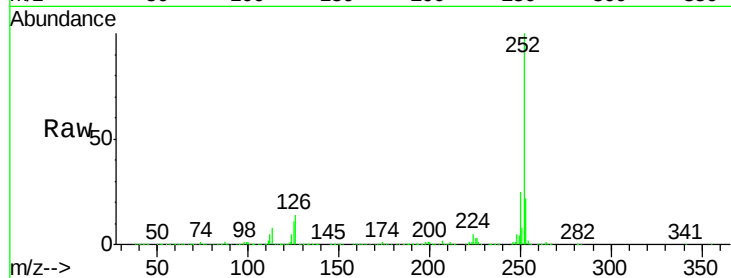
Tgt Ion:252 Resp: 1809397

Ion Ratio Lower Upper

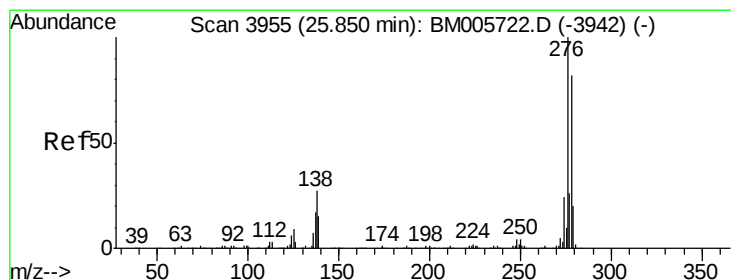
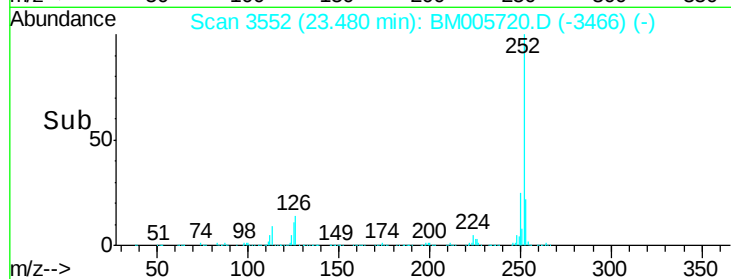
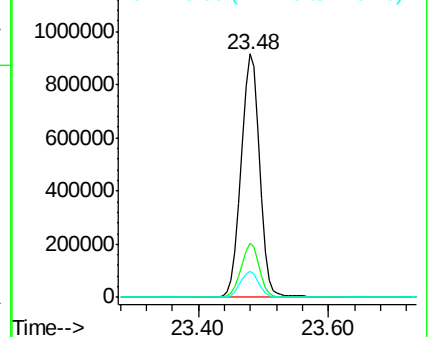
252 100

253 22.0 17.7 26.5

125 10.8 9.1 13.7



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: 61.16 ng/ul

RT: 25.87 min Scan# 3958

Delta R.T. 0.02 min

Lab File: BM005720.D

Acq: 11 Jun 2016 01:16

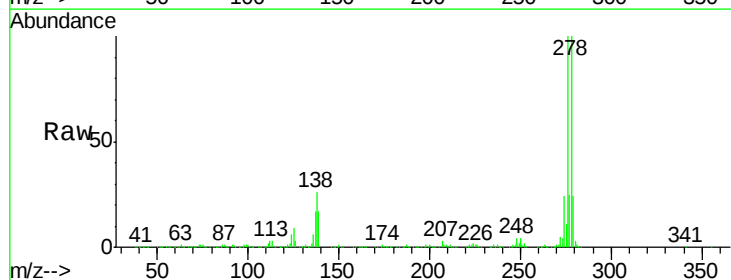
Tgt Ion:276 Resp: 1826850

Ion Ratio Lower Upper

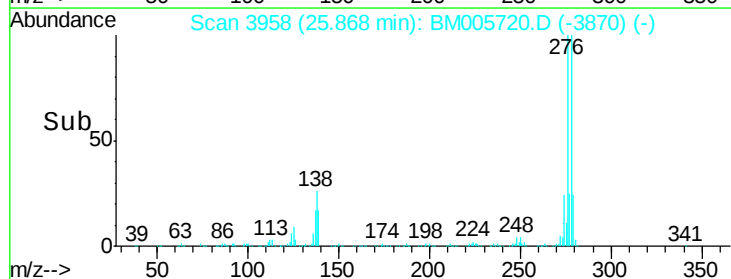
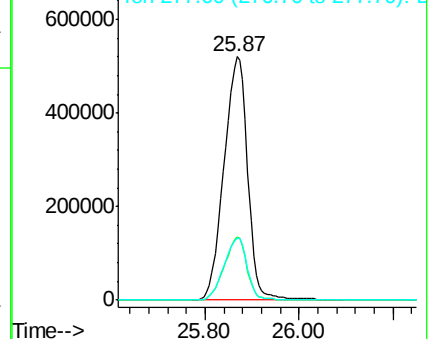
276 100

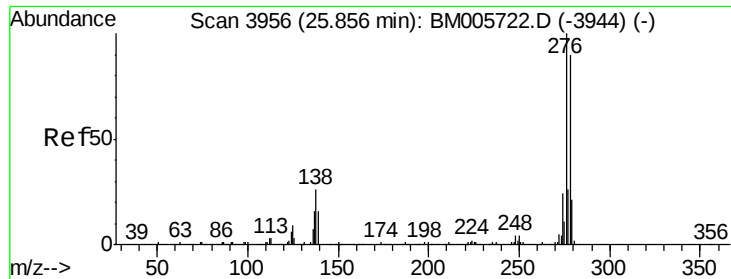
138 26.2 21.4 32.2

277 25.4 20.5 30.7



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: 60.12 ng/ul

RT: 25.87 min Scan# 3959

Delta R.T. 0.02 min

Lab File: BM005720.D

Acq: 11 Jun 2016 01:16

Instrument :

BNA_M

ClientSampleId :

SSTD08035

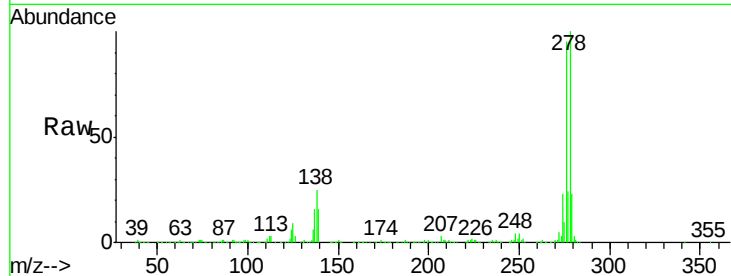
Tgt Ion:278 Resp: 1503309

Ion Ratio Lower Upper

278 100

139 16.4 14.2 21.4

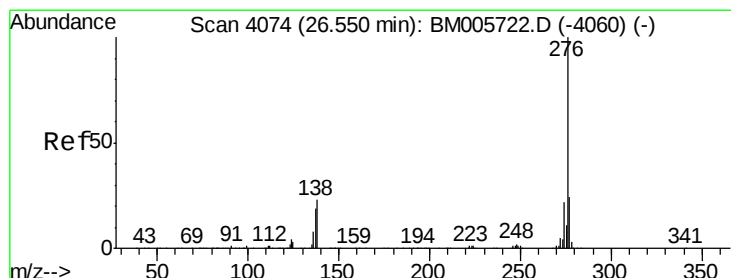
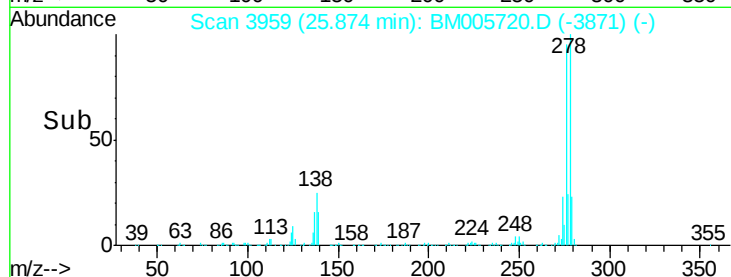
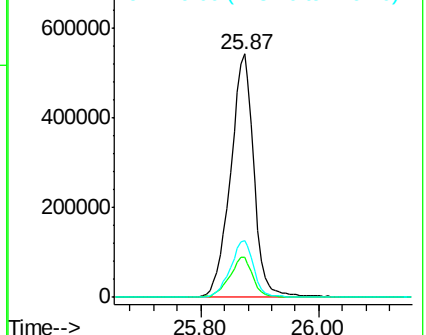
279 23.1 18.8 28.2



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: 62.78 ng/ul

RT: 26.57 min Scan# 4077

Delta R.T. 0.02 min

Lab File: BM005720.D

Acq: 11 Jun 2016 01:16

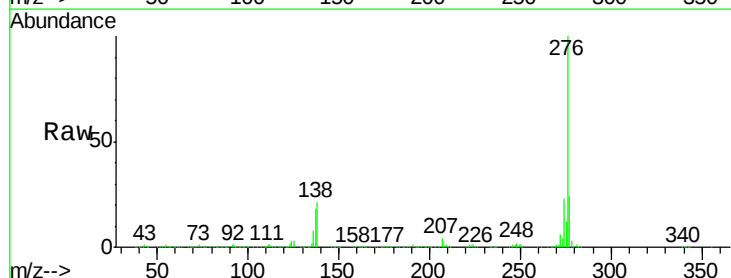
Tgt Ion:276 Resp: 1571341

Ion Ratio Lower Upper

276 100

138 21.3 18.2 27.4

277 23.6 19.5 29.3



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

