

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061016\
 Data File : BM005721.D
 Acq On : 11 Jun 2016 01:52
 Operator : UM/SJ
 Sample : SSTD04036
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD04036

Quant Time: Jun 11 05:18:06 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	76740	20.00	ng/ul	0.00
7) Naphthalene-d8	10.53	136	388963	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.39	164	237144	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.13	188	548204	20.00	ng/ul	0.00
29) Chrysene-d12	21.32	240	567251	20.00	ng/ul	0.00
34) Perylene-d12	23.57	264	504421	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.19	96	26076	14.39	ng/uL	0.00
3) Phenol-d5	6.93	99	270039	40.22	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.08	67	160939	39.44	ng/ul	0.00
5) 2-Chlorophenol-d4	7.28	132	216573	39.02	ng/ul	0.00
6) 4-Methylphenol-d8	8.46	113	230610	42.70	ng/ul	0.00
8) Nitrobenzene-d5	8.90	128	115950	39.09	ng/ul	0.00
9) 2-Nitrophenol-d4	9.62	143	133803	41.56	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.17	165	233697	40.90	ng/ul	0.00
12) 4-Chloroaniline-d4	10.67	131	313939	45.43	ng/ul	0.00
16) Dimethylphthalate-d6	13.80	166	751905	40.49	ng/ul	0.00
17) Acenaphthylene-d8	14.09	160	926535	38.89	ng/ul	0.00
20) 4-Nitrophenol-d4	14.63	143	119078	44.41	ng/ul	0.00
21) Fluorene-d10	15.39	176	624910	39.29	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.53	200	119126	44.77	ng/ul	0.00
26) Anthracene-d10	17.23	188	974918	37.49	ng/ul	0.00
30) Pyrene-d10	19.53	212	1081088	38.39	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.43	264	880290	37.90	ng/ul	0.00

Target Compounds

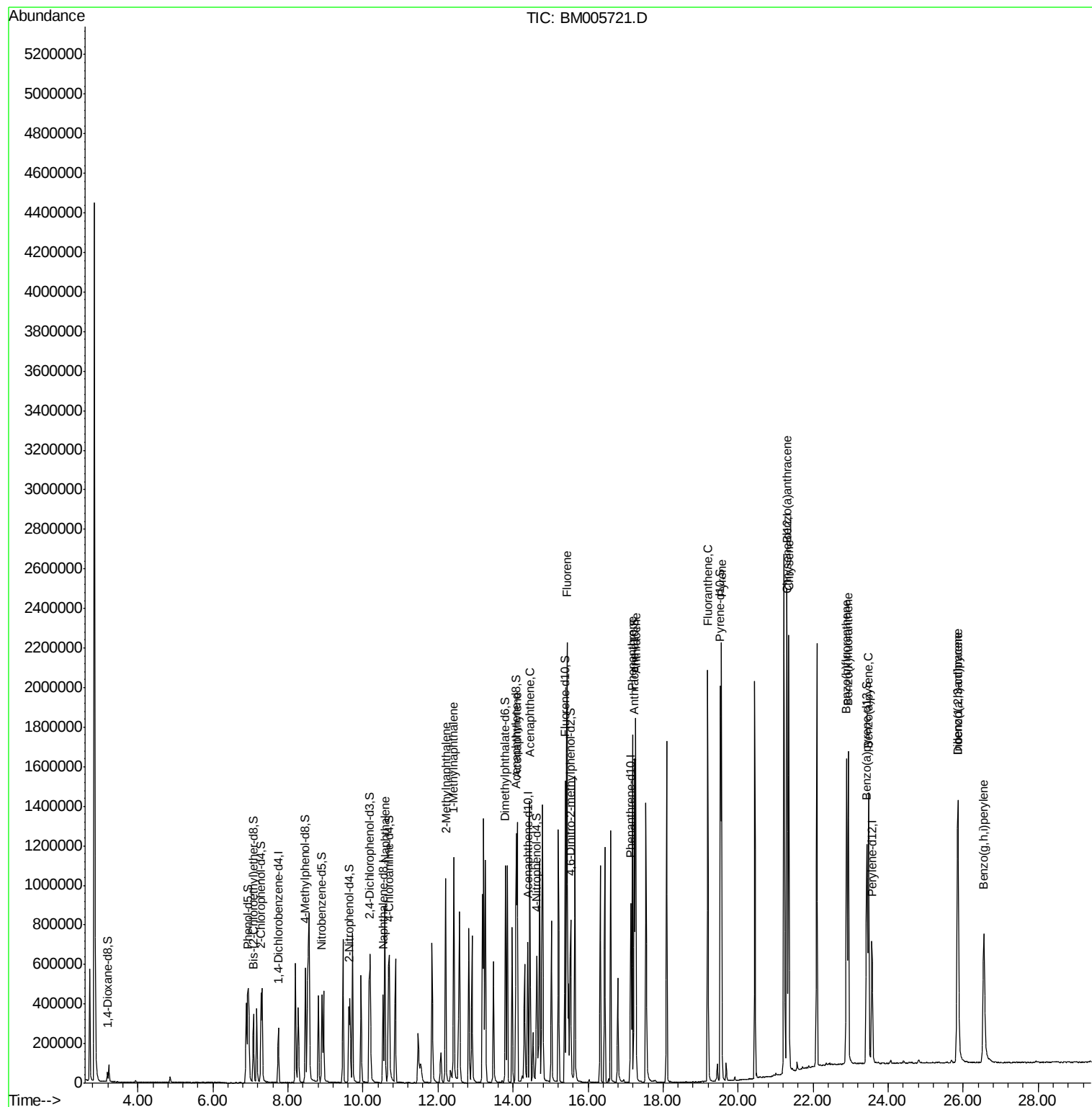
						Qvalue
11) Naphthalene	10.59	128	742192	37.64	ng/ul	99
13) 2-Methylnaphthalene	12.20	142	560868	40.19	ng/ul	99
14) 1-Methylnaphthalene	12.42	142	550069	40.02	ng/ul	98
18) Acenaphthylene	14.11	152	943140	38.45	ng/ul	99
19) Acenaphthene	14.46	153	608588	38.13	ng/ul	99
22) Fluorene	15.44	166	678170	38.83	ng/ul	99
25) Phenanthrene	17.18	178	1140399	37.67	ng/ul	99
27) Anthracene	17.27	178	1174988	38.16	ng/ul	100
28) Fluoranthene	19.19	202	1333288	41.88	ng/ul	100
31) Pyrene	19.56	202	1364050	38.40	ng/ul	99
32) Benzo(a)anthracene	21.30	228	1261411	38.07	ng/ul	100
33) Chrysene	21.36	228	1218676	38.37	ng/ul	99
35) Benzo(b)fluoranthene	22.89	252	1185355	39.09	ng/ul	98
36) Benzo(k)fluoranthene	22.94	252	1115698	38.54	ng/ul	99
38) Benzo(a)pyrene	23.47	252	1083270	37.23	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.86	276	1061542	31.92	ng/ul	97
40) Dibenzo(a,h)anthracene	25.86	278	888129	31.90	ng/ul	99
41) Benzo(g,h,i)perylene	26.56	276	909566	32.64	ng/ul	99

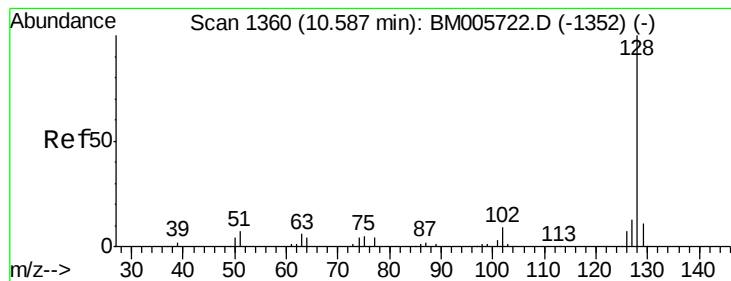
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#11

Naphthalene

Concen: 37.64 ng/ul

RT: 10.59 min Scan# 1360

Delta R.T. -0.00 min

Lab File: BM005721.D

Acq: 11 Jun 2016 01:52

Instrument :

BNA_M

ClientSampleId :

SSTD04036

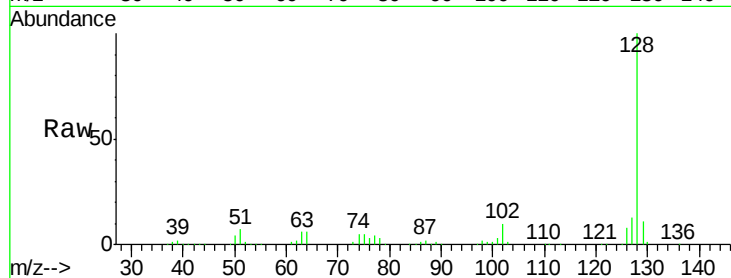
Tgt Ion:128 Resp: 742192

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

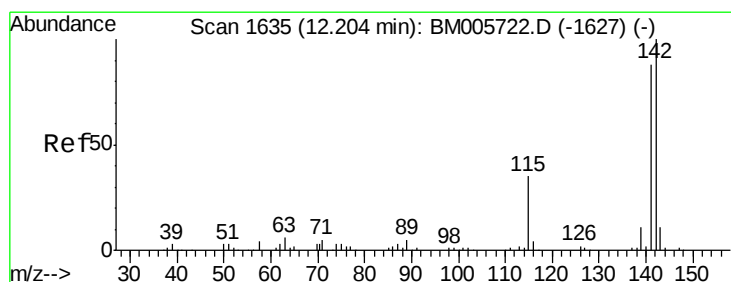
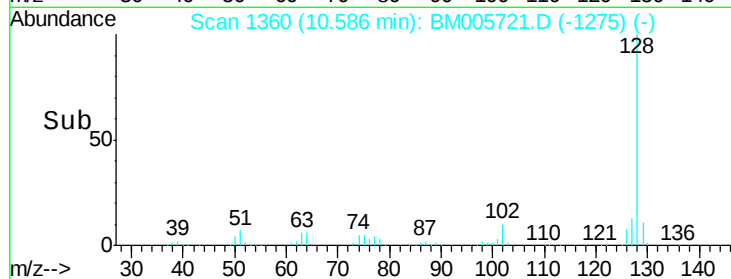
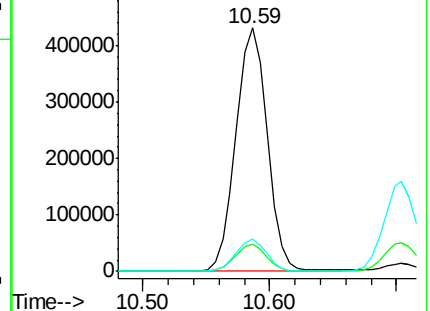
127 13.2 10.3 15.5



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: 40.19 ng/ul

RT: 12.20 min Scan# 1635

Delta R.T. -0.00 min

Lab File: BM005721.D

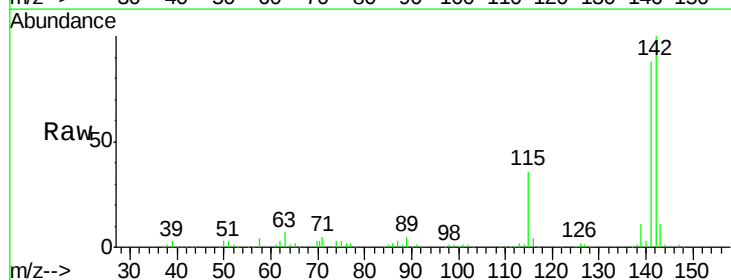
Acq: 11 Jun 2016 01:52

Tgt Ion:142 Resp: 560868

Ion Ratio Lower Upper

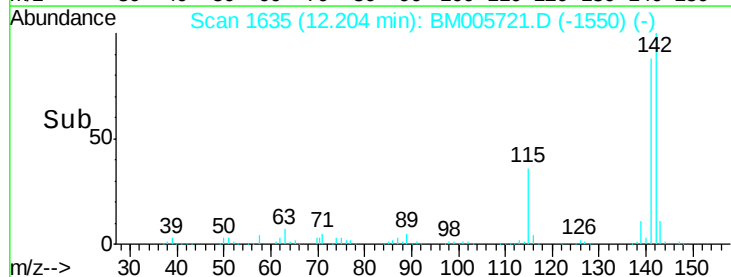
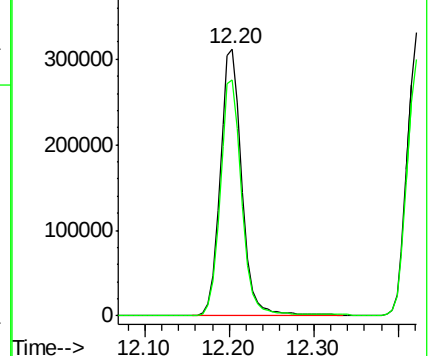
142 100

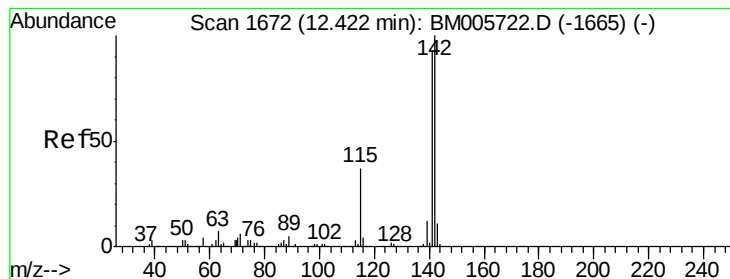
141 88.4 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#14

1-Methylnaphthalene

Concen: 40.02 ng/ul

RT: 12.42 min Scan# 1672

Delta R.T. -0.00 min

Lab File: BM005721.D

Acq: 11 Jun 2016 01:52

Instrument :

BNA_M

ClientSampleId :

SSTD04036

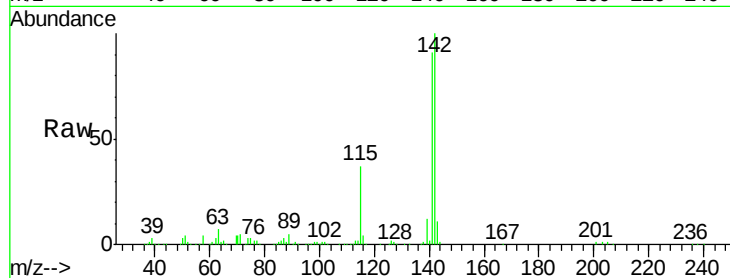
Tgt Ion:142 Resp: 550069

Ion Ratio Lower Upper

142 100

141 90.8 74.6 111.8

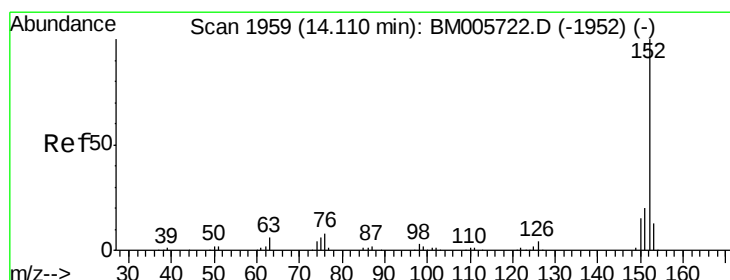
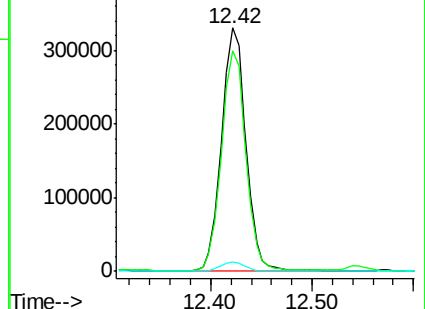
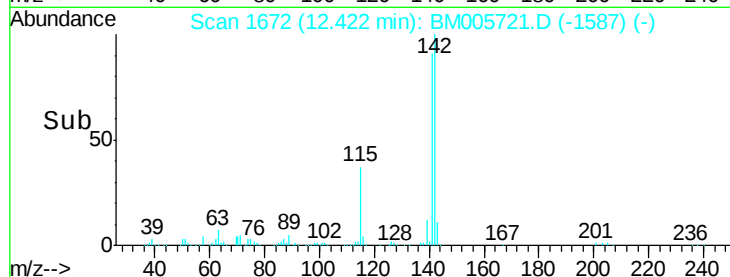
116 3.8 3.0 4.6



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: 38.45 ng/ul

RT: 14.11 min Scan# 1959

Delta R.T. -0.00 min

Lab File: BM005721.D

Acq: 11 Jun 2016 01:52

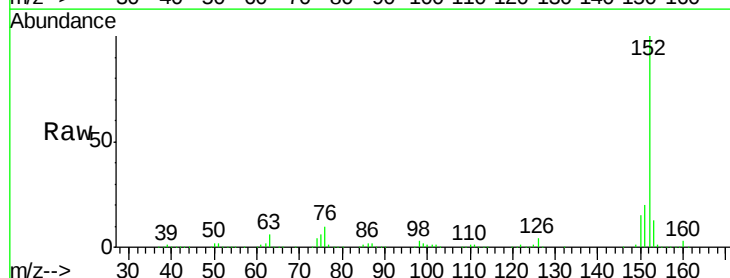
Tgt Ion:152 Resp: 943140

Ion Ratio Lower Upper

152 100

151 19.9 16.3 24.5

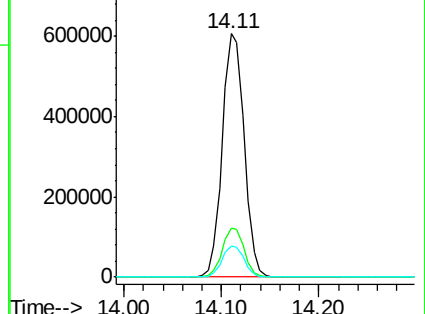
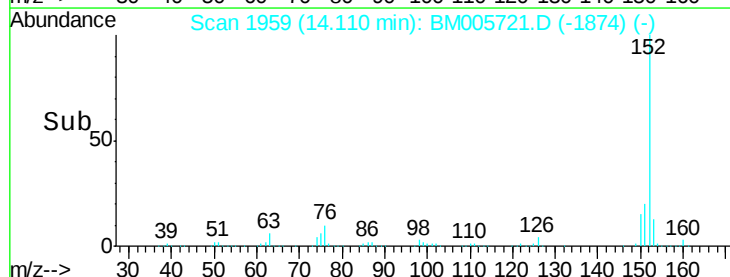
153 13.0 10.4 15.6

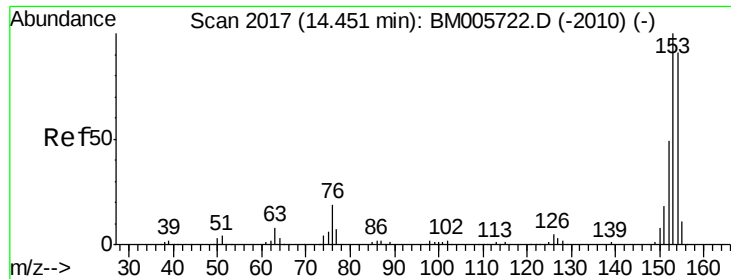


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#19

Acenaphthene

Concen: 38.13 ng/u1

RT: 14.46 min Scan# 2018

Delta R.T. 0.01 min

Lab File: BM005721.D

Acq: 11 Jun 2016 01:52

Instrument :

BNA_M

ClientSampleId :

SSTD04036

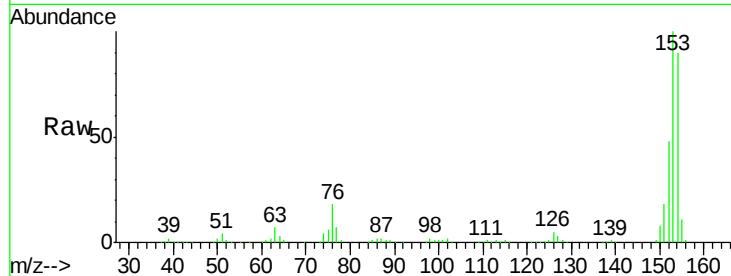
Tgt Ion:153 Resp: 608588

Ion Ratio Lower Upper

153 100

152 48.0 38.8 58.2

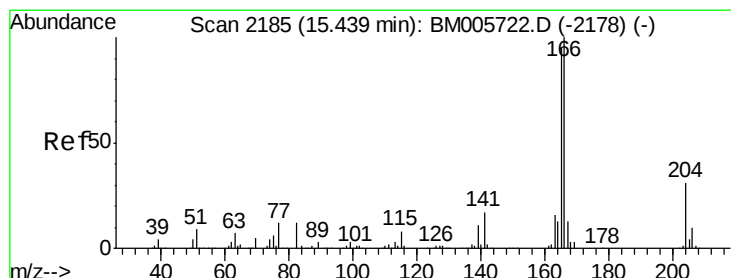
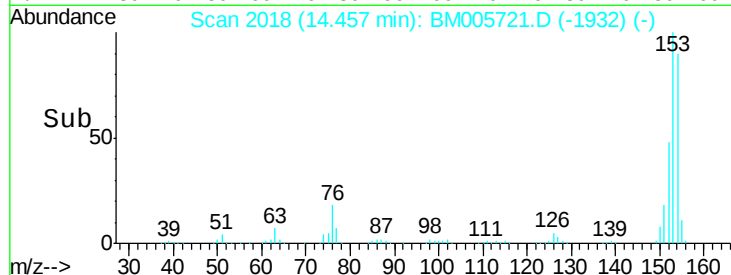
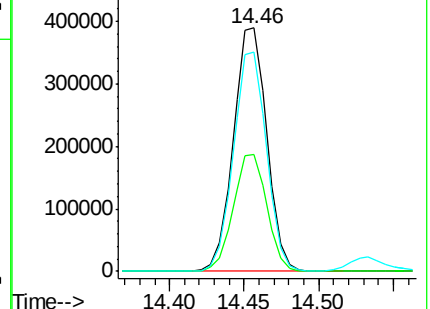
154 90.1 72.5 108.7



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: 38.83 ng/u1

RT: 15.44 min Scan# 2185

Delta R.T. -0.00 min

Lab File: BM005721.D

Acq: 11 Jun 2016 01:52

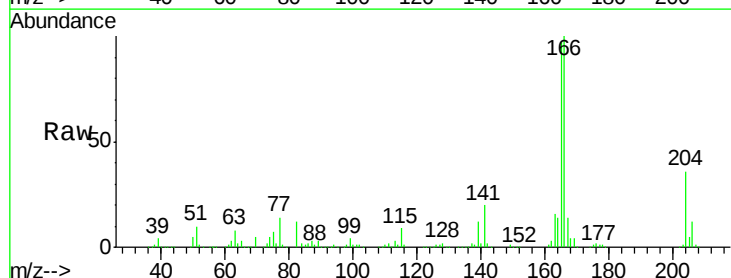
Tgt Ion:166 Resp: 678170

Ion Ratio Lower Upper

166 100

165 96.5 76.4 114.6

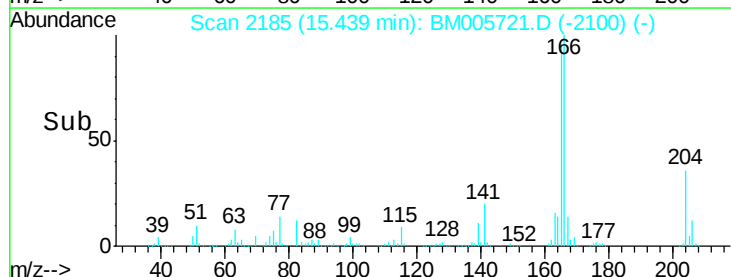
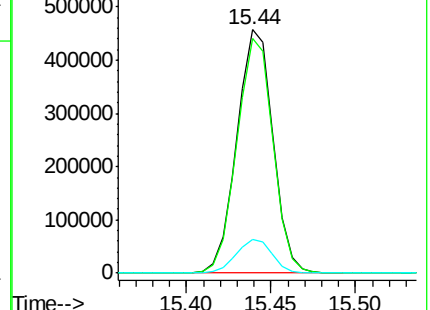
167 13.7 10.6 16.0

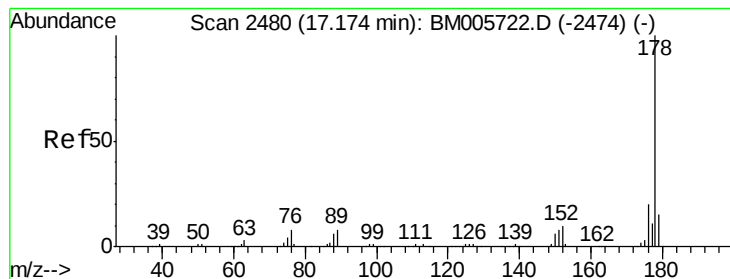


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 37.67 ng/ul

RT: 17.18 min Scan# 2481

Delta R.T. 0.01 min

Lab File: BM005721.D

Acq: 11 Jun 2016 01:52

Instrument :

BNA_M

ClientSampleId :

SSTD04036

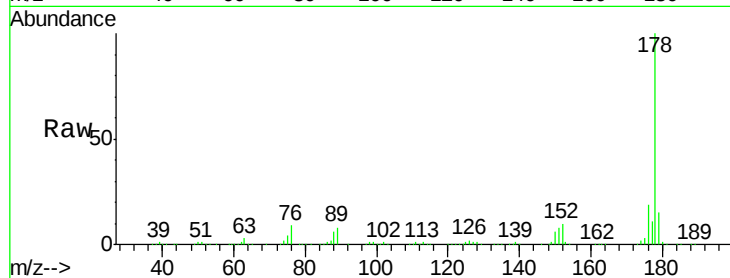
Tgt Ion:178 Resp: 1140399

Ion Ratio Lower Upper

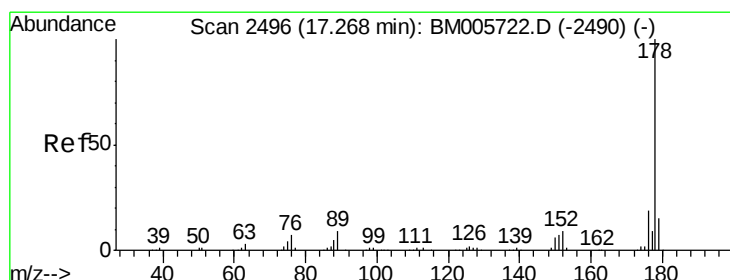
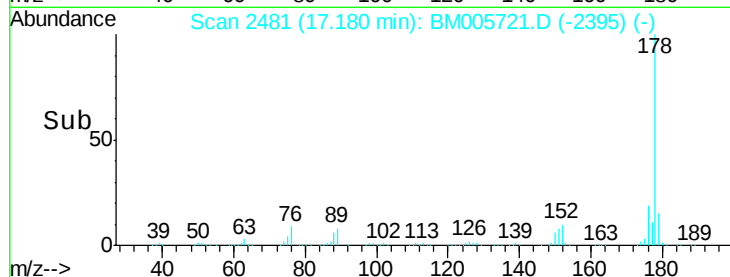
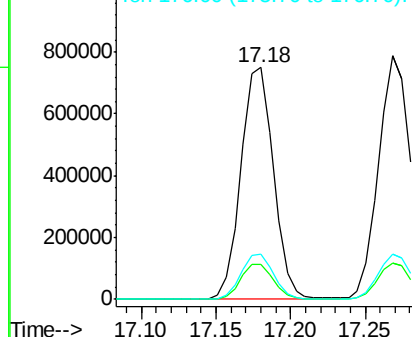
178 100

179 15.3 12.4 18.6

176 19.3 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: 38.16 ng/ul

RT: 17.27 min Scan# 2496

Delta R.T. -0.00 min

Lab File: BM005721.D

Acq: 11 Jun 2016 01:52

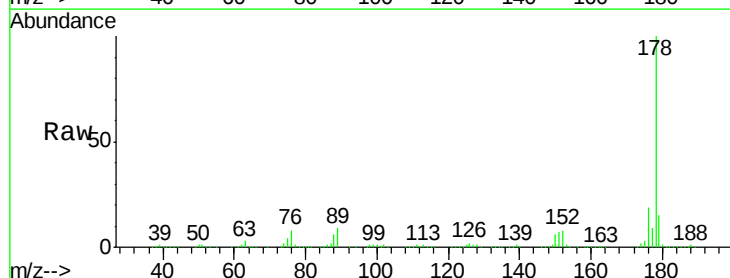
Tgt Ion:178 Resp: 1174988

Ion Ratio Lower Upper

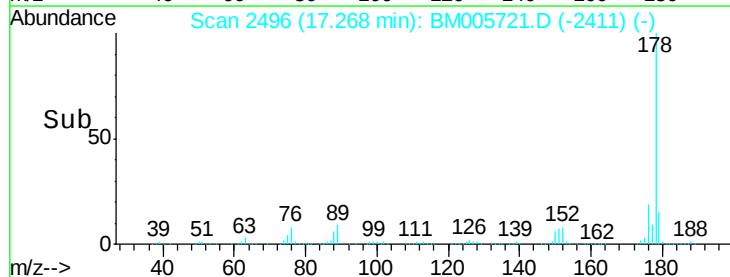
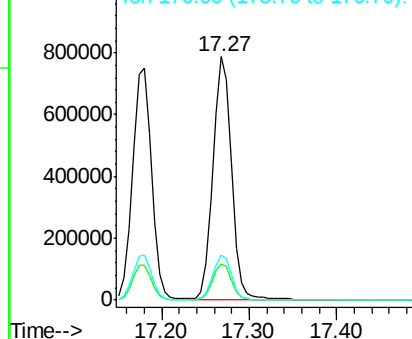
178 100

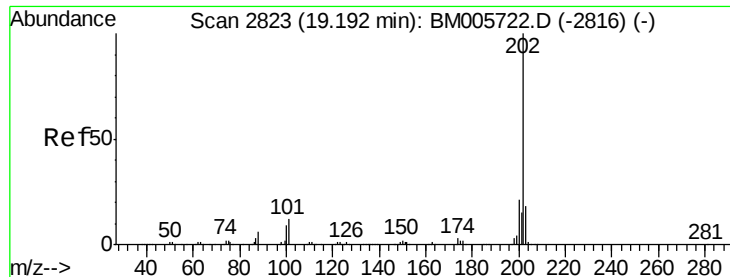
179 15.2 12.1 18.1

176 18.8 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

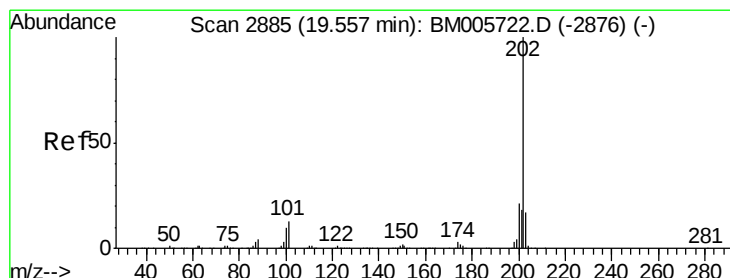
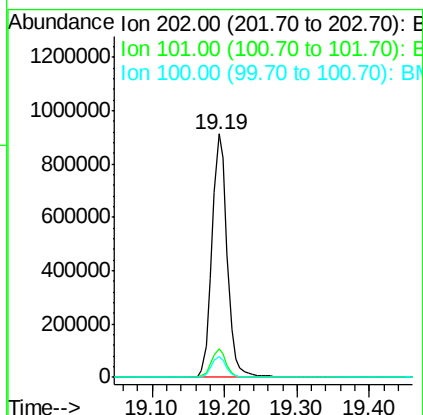
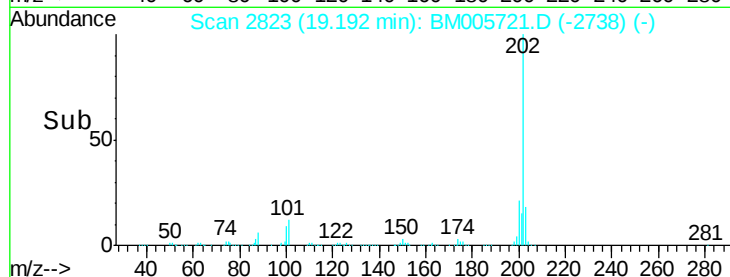
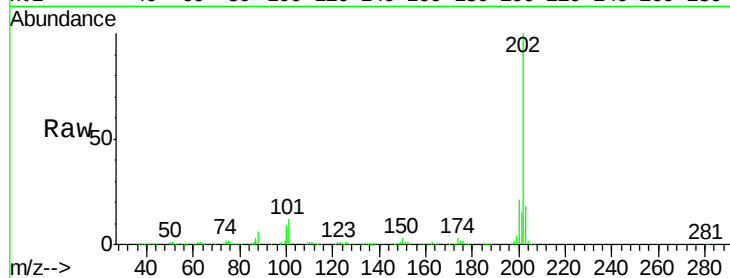




#28
Fluoranthene
Concen: 41.88 ng/ul
RT: 19.19 min Scan# 2823
Delta R.T. -0.00 min
Lab File: BM005721.D
Acq: 11 Jun 2016 01:52

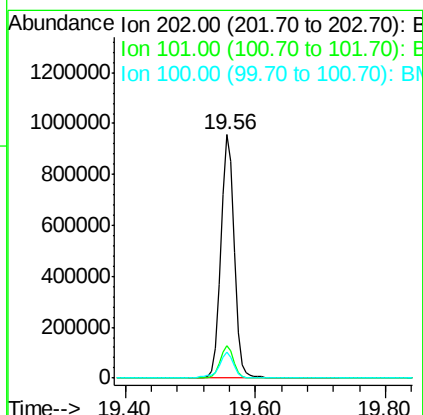
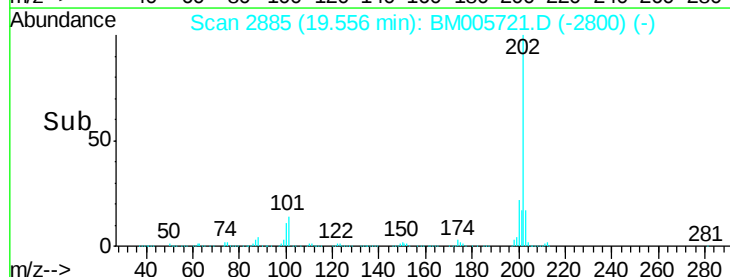
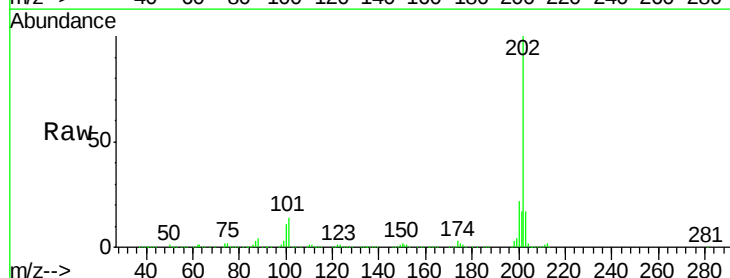
Instrument :
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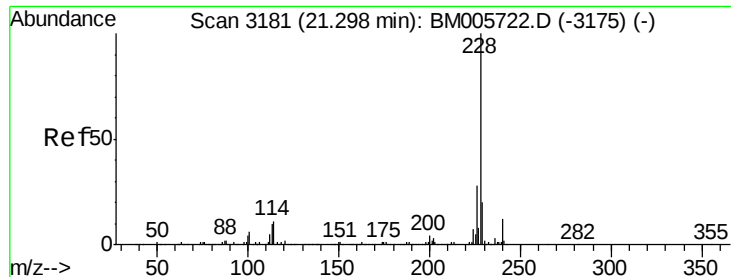
Tgt Ion:202 Resp: 1333288
Ion Ratio Lower Upper
202 100
101 11.7 9.4 14.2
100 8.6 6.9 10.3



#31
Pyrene
Concen: 38.40 ng/ul
RT: 19.56 min Scan# 2885
Delta R.T. -0.00 min
Lab File: BM005721.D
Acq: 11 Jun 2016 01:52

Tgt Ion:202 Resp: 1364050
Ion Ratio Lower Upper
202 100
101 13.5 10.6 15.8
100 10.8 8.4 12.6





#32

Benzo(a)anthracene

Concen: 38.07 ng/ul

RT: 21.30 min Scan# 3182

Delta R.T. 0.01 min

Lab File: BM005721.D

Acq: 11 Jun 2016 01:52

Instrument :

BNA_M

ClientSampleId :

SSTD04036

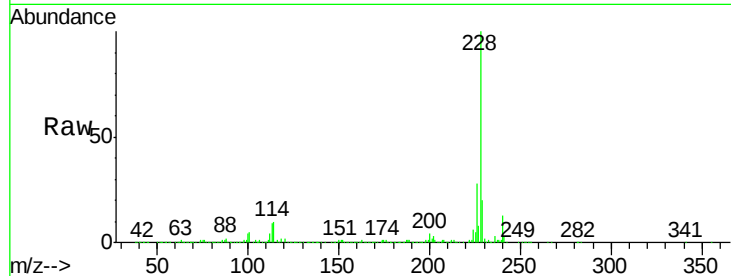
Tgt Ion:228 Resp: 1261411

Ion Ratio Lower Upper

228 100

229 19.6 16.1 24.1

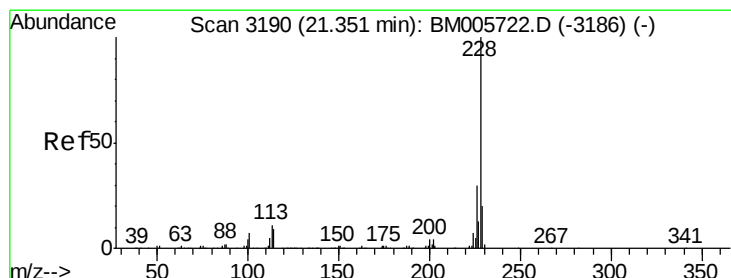
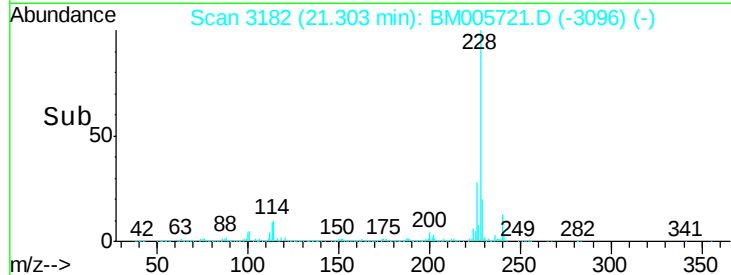
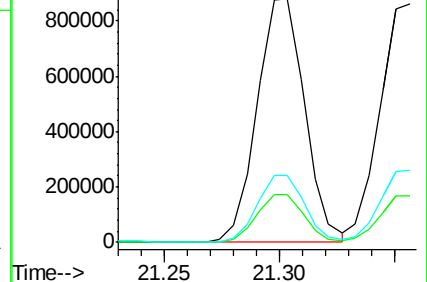
226 27.7 22.1 33.1



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: 38.37 ng/ul

RT: 21.36 min Scan# 3191

Delta R.T. 0.01 min

Lab File: BM005721.D

Acq: 11 Jun 2016 01:52

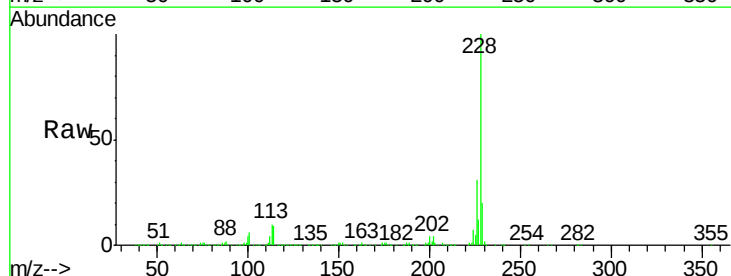
Tgt Ion:228 Resp: 1218676

Ion Ratio Lower Upper

228 100

226 30.5 24.2 36.2

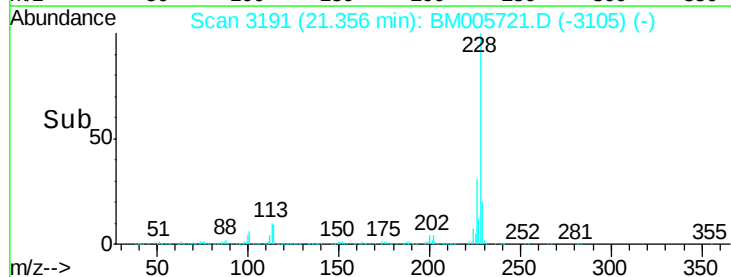
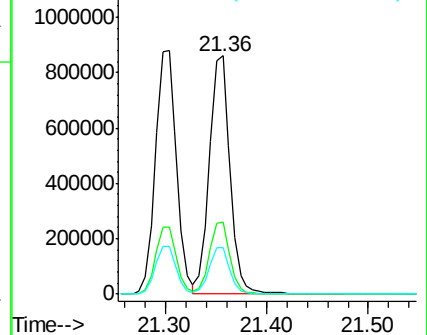
229 19.5 15.8 23.8

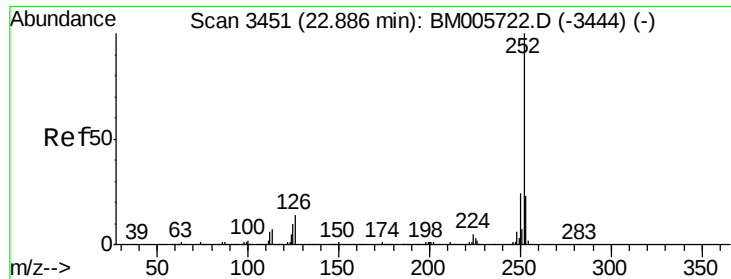


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 39.09 ng/u1

RT: 22.89 min Scan# 3452

Delta R.T. 0.01 min

Lab File: BM005721.D

Acq: 11 Jun 2016 01:52

Instrument :

BNA_M

ClientSampleId :

SSTD04036

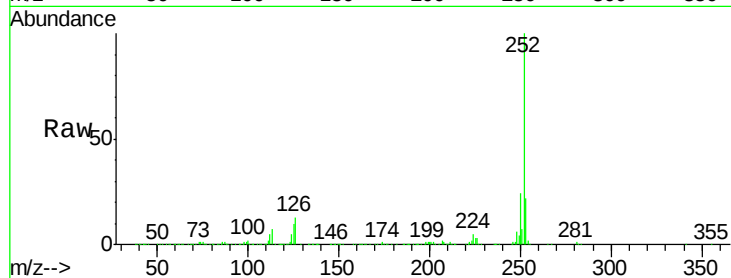
Tgt Ion:252 Resp: 1185355

Ion Ratio Lower Upper

252 100

253 21.8 18.2 27.2

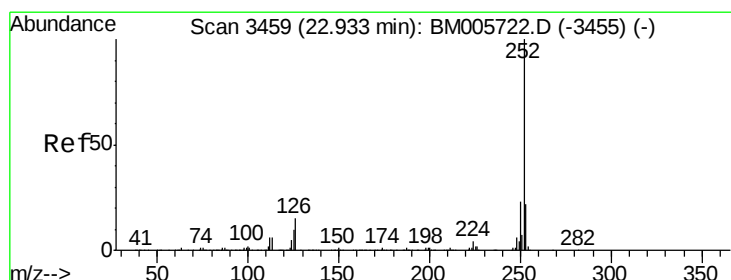
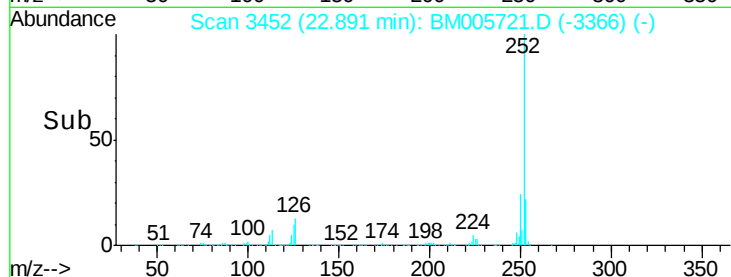
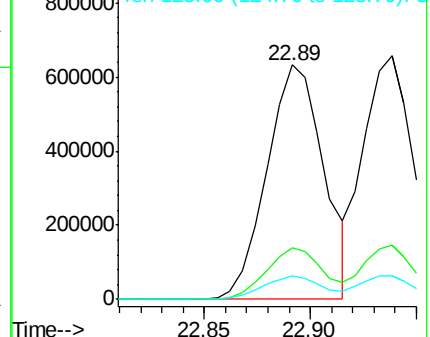
125 9.8 8.4 12.6



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: 38.54 ng/u1

RT: 22.94 min Scan# 3460

Delta R.T. 0.01 min

Lab File: BM005721.D

Acq: 11 Jun 2016 01:52

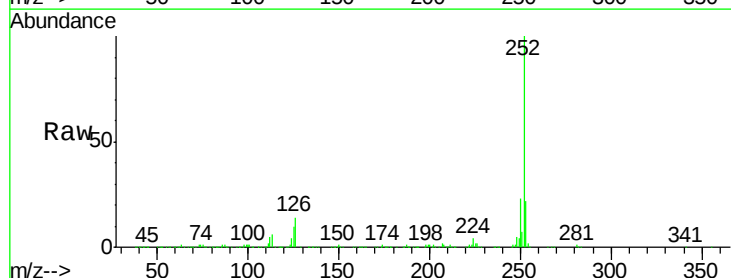
Tgt Ion:252 Resp: 1115698

Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

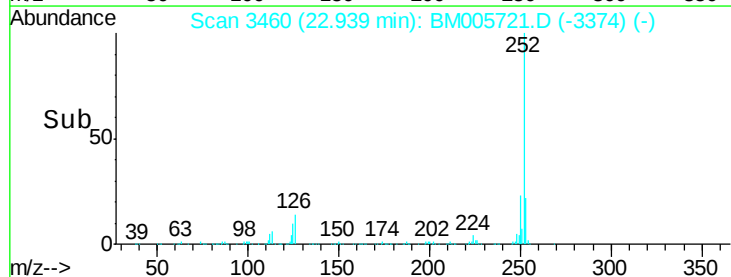
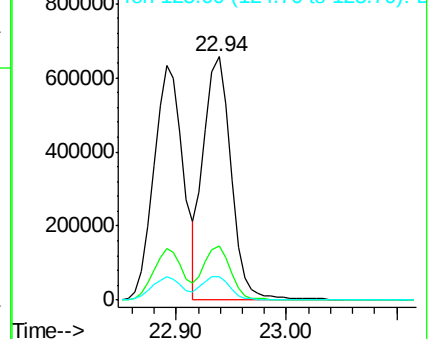
125 9.8 8.2 12.2

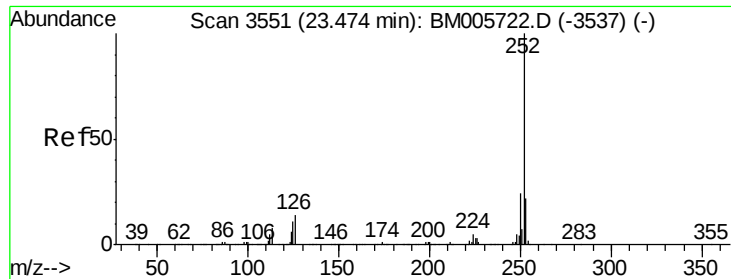


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 37.23 ng/u1

RT: 23.47 min Scan# 3551

Delta R.T. -0.00 min

Lab File: BM005721.D

Acq: 11 Jun 2016 01:52

Instrument :

BNA_M

ClientSampleId :

SSTD04036

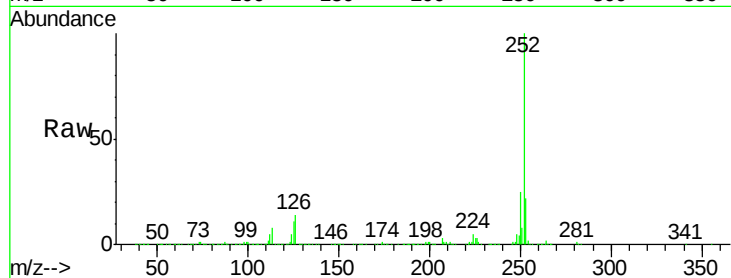
Tgt Ion:252 Resp: 1083270

Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

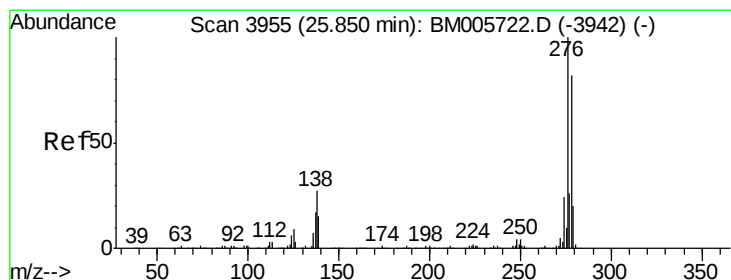
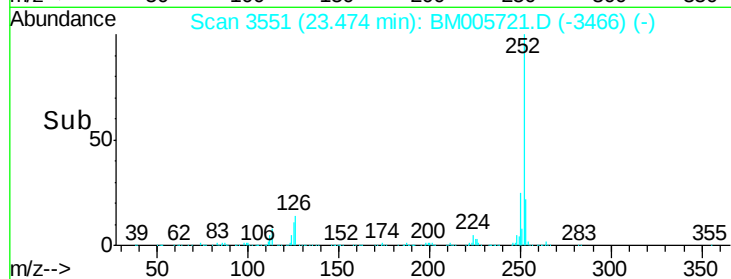
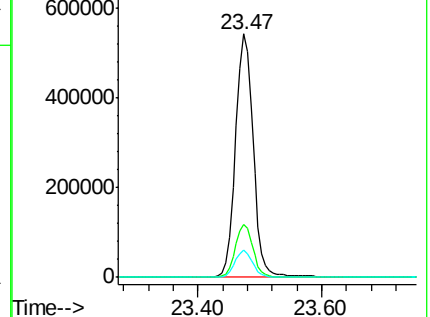
125 11.0 9.1 13.7



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: 31.92 ng/u1

RT: 25.86 min Scan# 3956

Delta R.T. 0.01 min

Lab File: BM005721.D

Acq: 11 Jun 2016 01:52

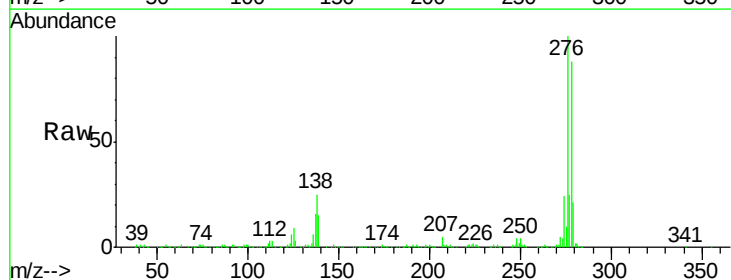
Tgt Ion:276 Resp: 1061542

Ion Ratio Lower Upper

276 100

138 24.8 21.4 32.2

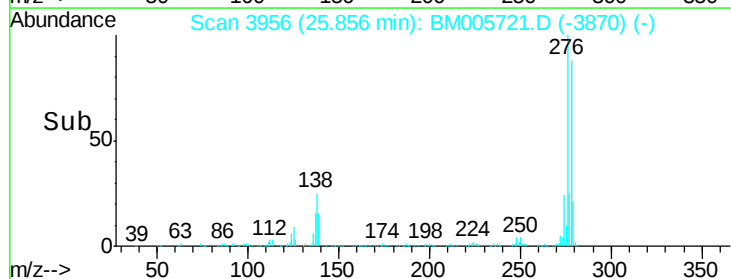
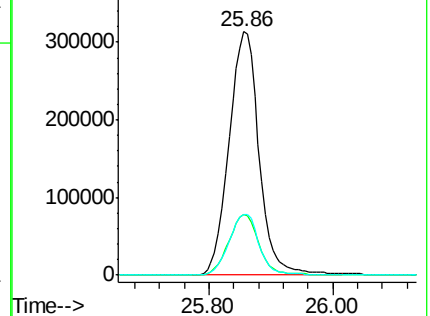
277 24.8 20.5 30.7

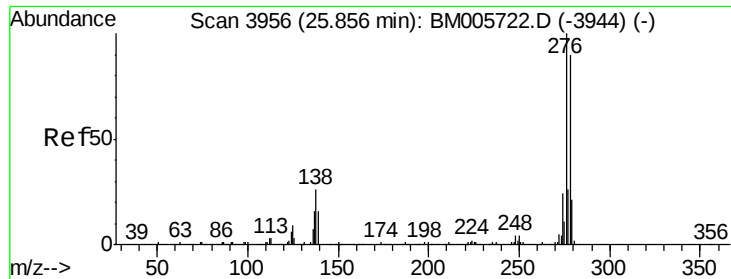


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#40

Dibenzo(a,h)anthracene

Concen: 31.90 ng/ul

RT: 25.86 min Scan# 3957

Delta R.T. 0.01 min

Lab File: BM005721.D

Acq: 11 Jun 2016 01:52

Instrument :

BNA_M

ClientSampleId :

SSTD04036

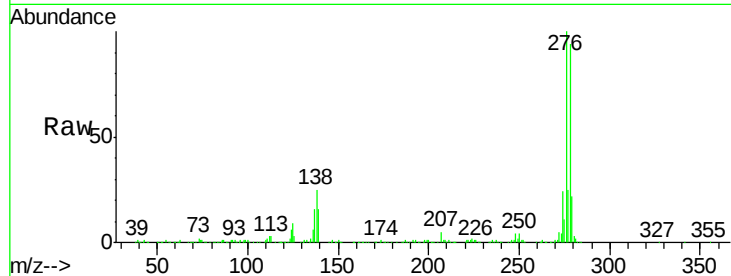
Tgt Ion:278 Resp: 888129

Ion Ratio Lower Upper

278 100

139 16.6 14.2 21.4

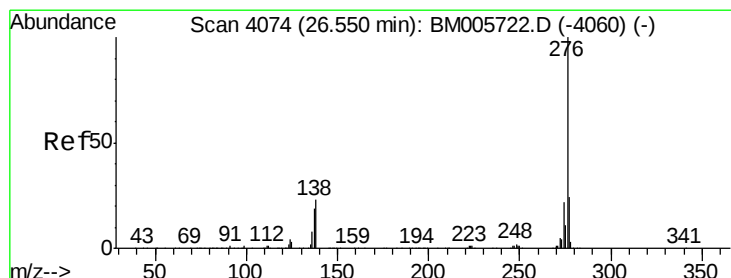
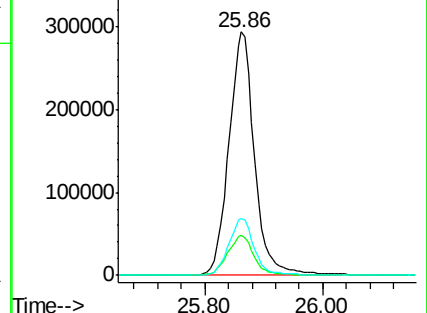
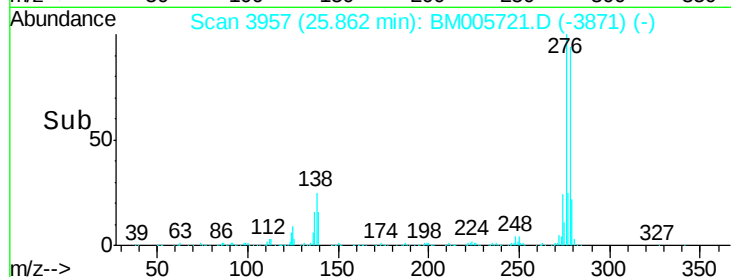
279 23.3 18.8 28.2



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: 32.64 ng/ul

RT: 26.56 min Scan# 4075

Delta R.T. 0.01 min

Lab File: BM005721.D

Acq: 11 Jun 2016 01:52

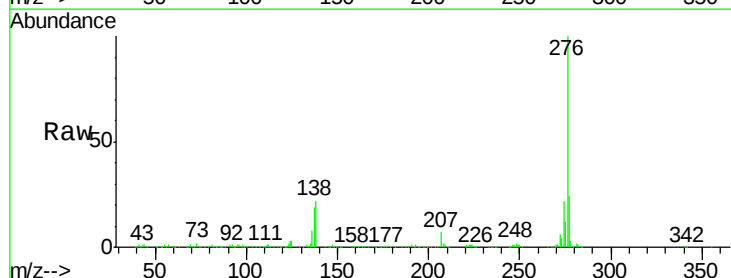
Tgt Ion:276 Resp: 909566

Ion Ratio Lower Upper

276 100

138 22.3 18.2 27.4

277 23.7 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

