

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061516\
 Data File : BM005791.D
 Acq On : 14 Jun 2016 18:50
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02040

Quant Time: Jun 15 01:39:33 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 15 01:33:21 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	75656	20.00	ng/ul	0.00
7) Naphthalene-d8	10.53	136	388327	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.39	164	224228	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.13	188	399626	20.00	ng/ul	0.00
29) Chrysene-d12	21.32	240	381252	20.00	ng/ul	0.00
34) Perylene-d12	23.57	264	390244	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.19	96	12128	7.42	ng/uL	0.00
3) Phenol-d5	6.92	99	124284	20.00	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.08	67	75115	20.31	ng/ul	0.00
5) 2-Chlorophenol-d4	7.28	132	103791	20.05	ng/ul	0.00
6) 4-Methylphenol-d8	8.46	113	112003	21.33	ng/ul	0.00
8) Nitrobenzene-d5	8.90	128	55873	20.32	ng/ul	0.00
9) 2-Nitrophenol-d4	9.62	143	63882	20.91	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.16	165	119049	20.37	ng/ul	0.00
12) 4-Chloroaniline-d4	10.67	131	149367	23.25	ng/ul	0.00
16) Dimethylphthalate-d6	13.79	166	358851	20.16	ng/ul	0.00
17) Acenaphthylene-d8	14.08	160	452589	20.01	ng/ul	0.00
20) 4-Nitrophenol-d4	14.62	143	35379	17.29	ng/ul	0.00
21) Fluorene-d10	15.38	176	288847	19.48	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.53	200	31671	17.71	ng/ul	0.00
26) Anthracene-d10	17.23	188	369187	19.92	ng/ul	0.00
30) Pyrene-d10	19.53	212	351882	18.97	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.43	264	358361	19.88	ng/ul	0.00

Target Compounds

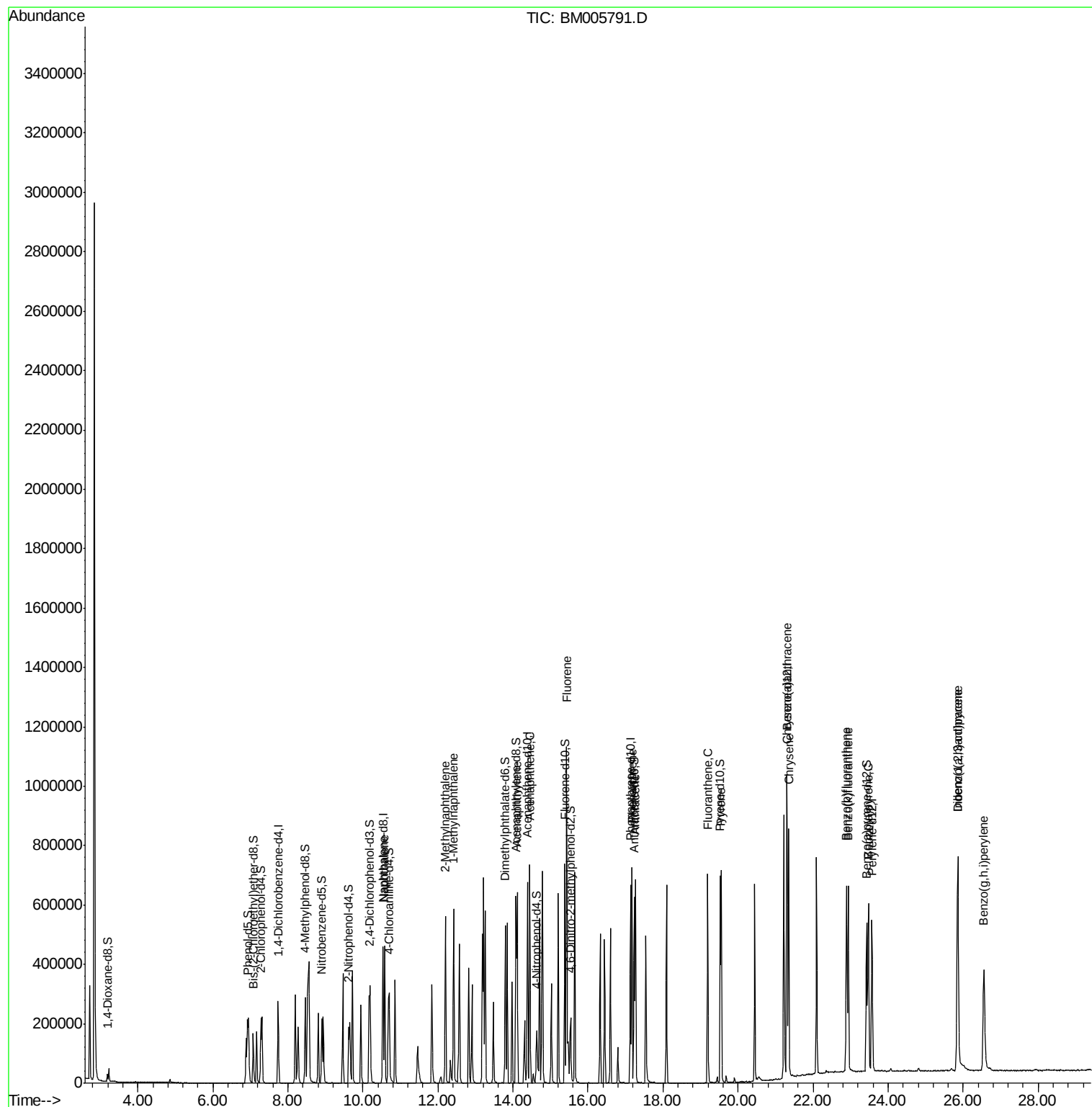
						Qvalue
11) Naphthalene	10.58	128	383664	19.82	ng/ul	100
13) 2-Methylnaphthalene	12.20	142	281624	20.23	ng/ul	97
14) 1-Methylnaphthalene	12.42	142	283340	20.17	ng/ul	100
18) Acenaphthylene	14.11	152	456446	20.02	ng/ul	100
19) Acenaphthene	14.45	153	298759	20.01	ng/ul	100
22) Fluorene	15.44	166	317916	19.82	ng/ul	100
25) Phenanthrene	17.17	178	435793	19.89	ng/ul	100
27) Anthracene	17.26	178	432712	19.94	ng/ul	100
28) Fluoranthene	19.19	202	439607	18.84	ng/ul	99
31) Pyrene	19.56	202	450199	19.23	ng/ul	97
32) Benzo(a)anthracene	21.30	228	434601	19.71	ng/ul	100
33) Chrysene	21.35	228	419921	19.43	ng/ul	100
35) Benzo(b)fluoranthene	22.89	252	468902	20.11	ng/ul	99
36) Benzo(k)fluoranthene	22.93	252	424122	19.65	ng/ul	100
38) Benzo(a)pyrene	23.47	252	448047	20.12	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.86	276	524207	20.52	ng/ul	99
40) Dibenzo(a,h)anthracene	25.86	278	439780	20.58	ng/ul	99
41) Benzo(g,h,i)perylene	26.56	276	444071	20.08	ng/ul	100

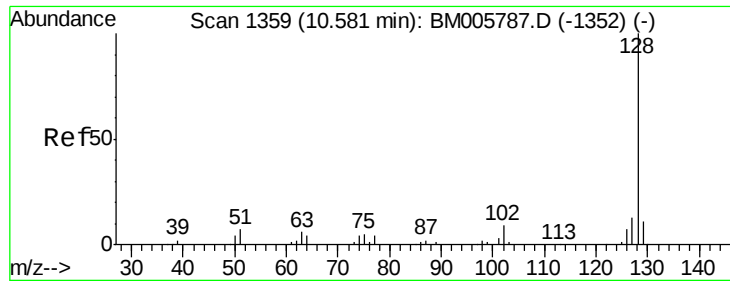
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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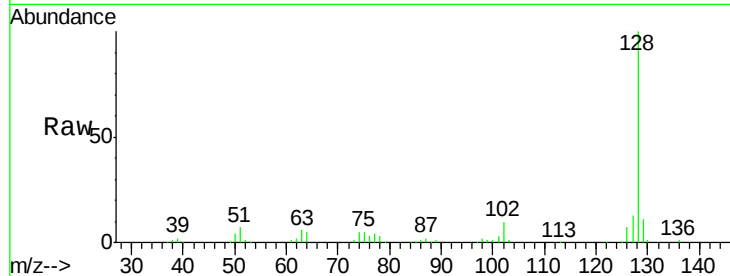




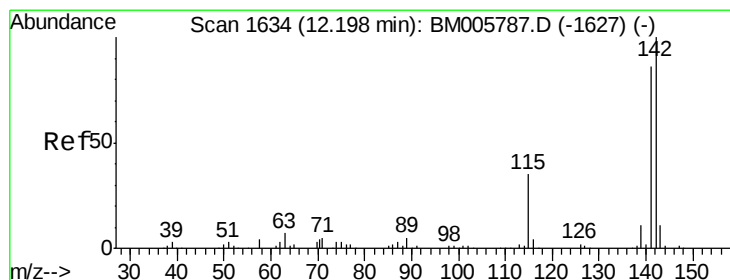
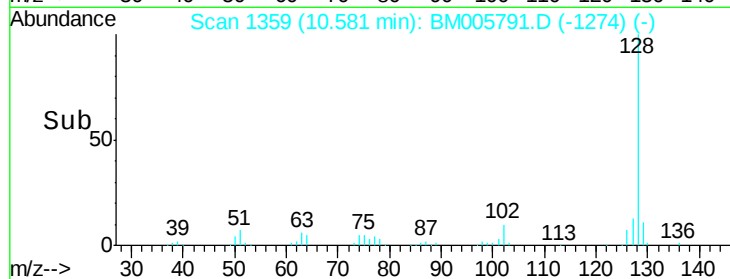
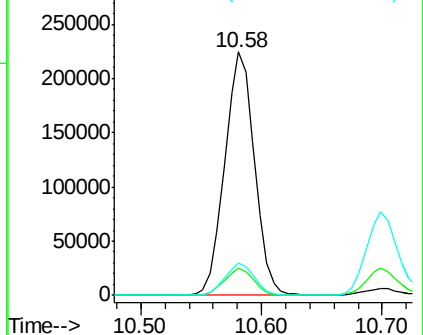
#11
Naphthalene
Concen: 19.82 ng/ul
RT: 10.58 min Scan# 1359
Delta R.T. -0.00 min
Lab File: BM005791.D
Acq: 14 Jun 2016 18:50

Instrument :
BNA_M
ClientSampleId :
SSTD02040

Tgt Ion:128 Resp: 383664
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 13.2 10.5 15.7

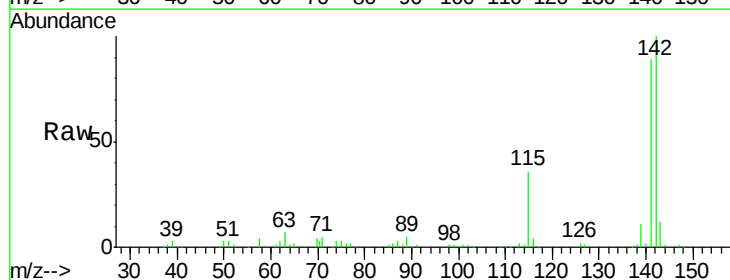


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

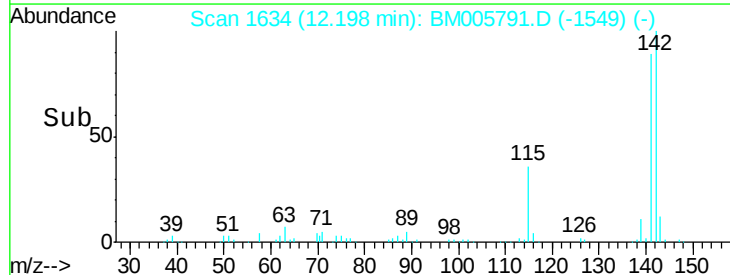
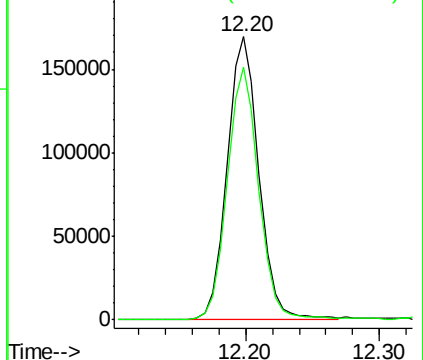


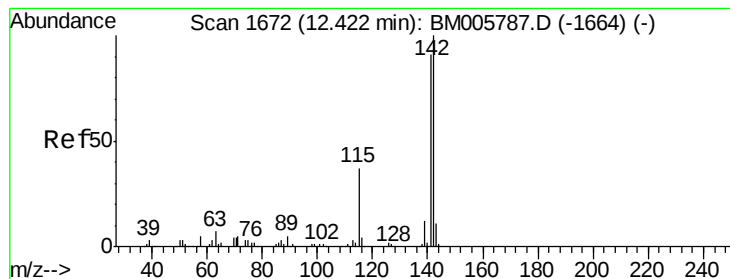
#13
2-Methylnaphthalene
Concen: 20.23 ng/ul
RT: 12.20 min Scan# 1634
Delta R.T. -0.00 min
Lab File: BM005791.D
Acq: 14 Jun 2016 18:50

Tgt Ion:142 Resp: 281624
Ion Ratio Lower Upper
142 100
141 89.2 69.0 103.6



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





#14

1-Methylnaphthalene

Concen: 20.17 ng/ul

RT: 12.42 min Scan# 1671

Delta R.T. -0.01 min

Lab File: BM005791.D

Acq: 14 Jun 2016 18:50

Instrument :

BNA_M

ClientSampleId :

SSTD02040

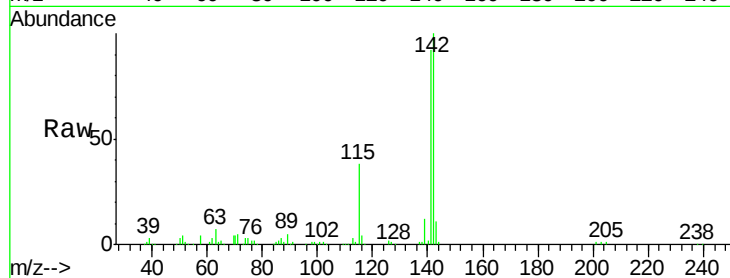
Tgt Ion:142 Resp: 283340

Ion Ratio Lower Upper

142 100

141 91.6 73.0 109.4

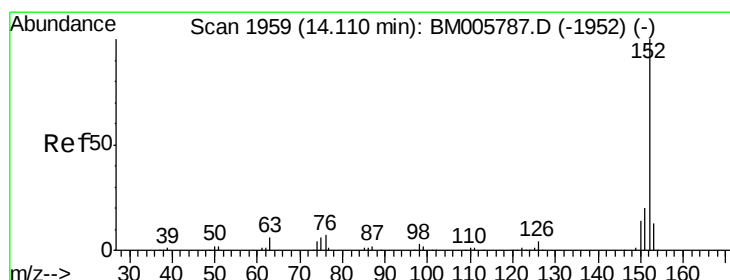
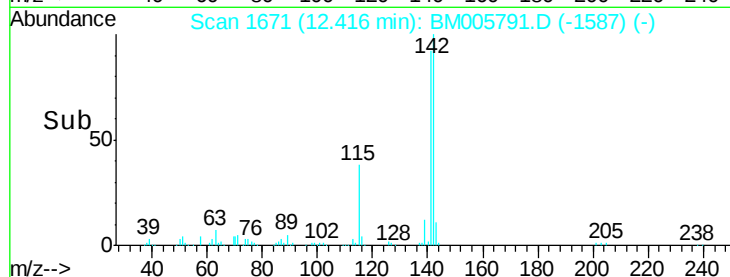
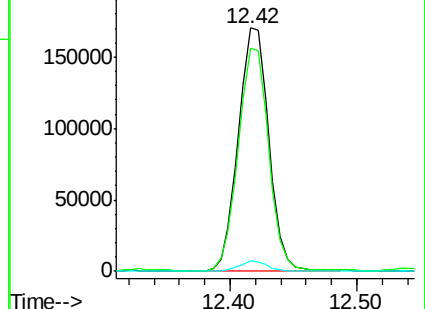
116 4.1 3.0 4.6



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: 20.02 ng/ul

RT: 14.11 min Scan# 1959

Delta R.T. -0.00 min

Lab File: BM005791.D

Acq: 14 Jun 2016 18:50

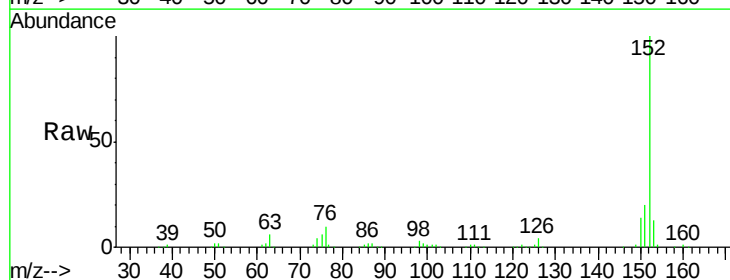
Tgt Ion:152 Resp: 456446

Ion Ratio Lower Upper

152 100

151 19.6 15.8 23.6

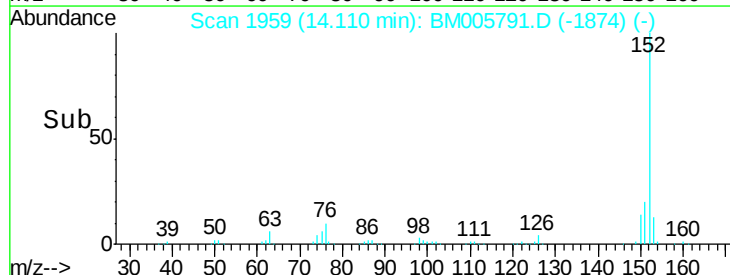
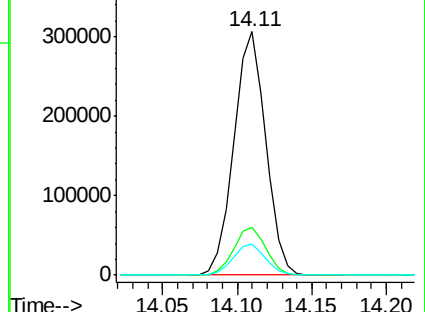
153 13.0 10.3 15.5

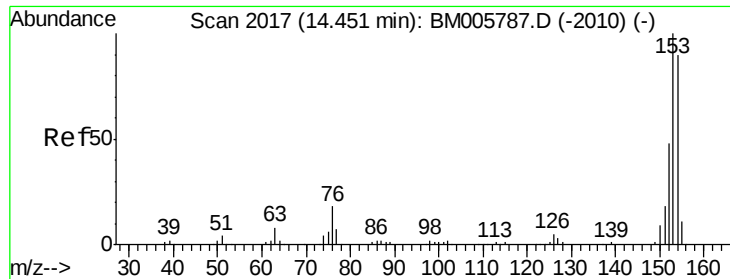


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#19

Acenaphthene

Concen: 20.01 ng/ul

RT: 14.45 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BM005791.D

Acq: 14 Jun 2016 18:50

Instrument :

BNA_M

ClientSampleId :

SSTD02040

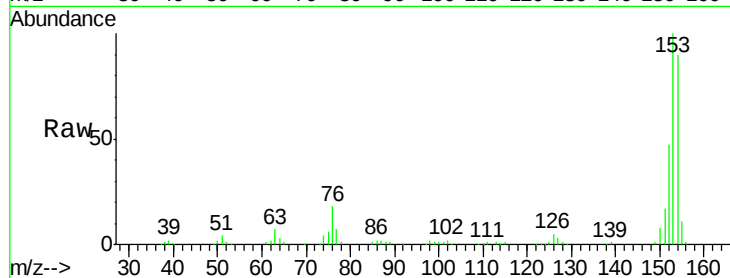
Tgt Ion:153 Resp: 298759

Ion Ratio Lower Upper

153 100

152 47.2 38.1 57.1

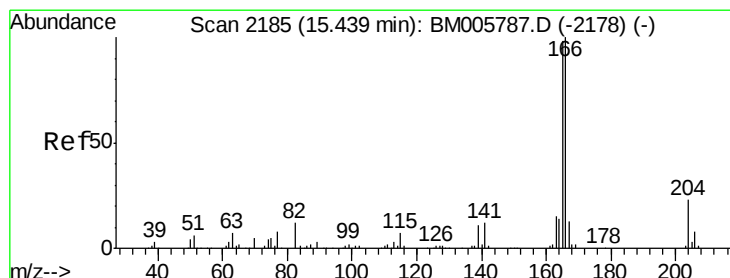
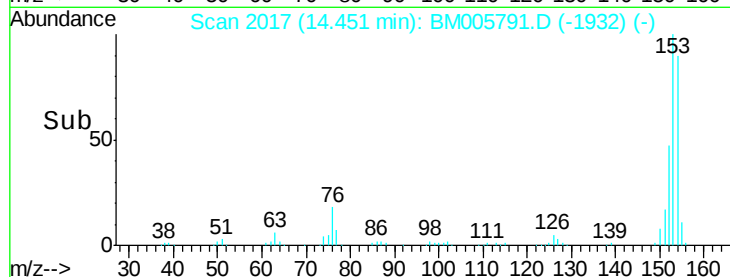
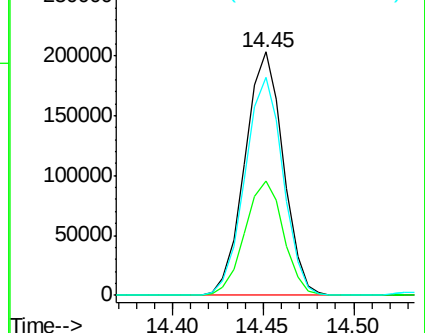
154 89.7 71.6 107.4



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: 19.82 ng/ul

RT: 15.44 min Scan# 2185

Delta R.T. -0.00 min

Lab File: BM005791.D

Acq: 14 Jun 2016 18:50

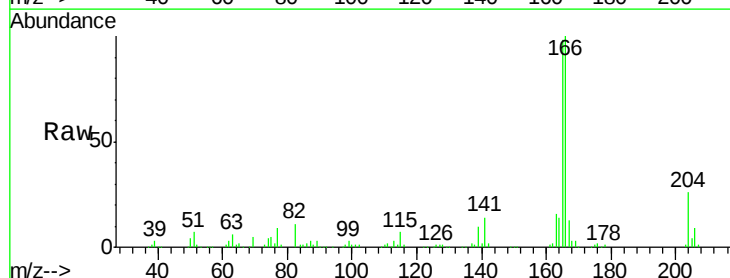
Tgt Ion:166 Resp: 317916

Ion Ratio Lower Upper

166 100

165 98.0 78.4 117.6

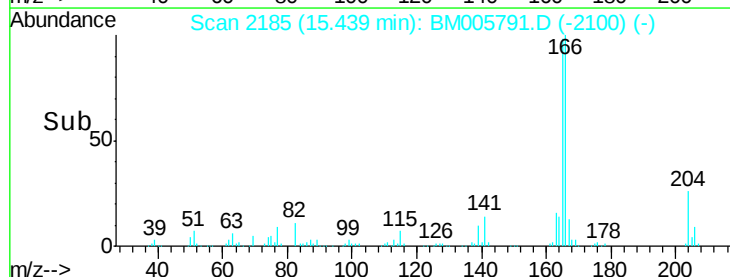
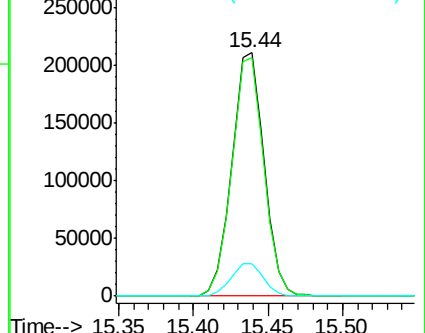
167 13.3 10.6 16.0

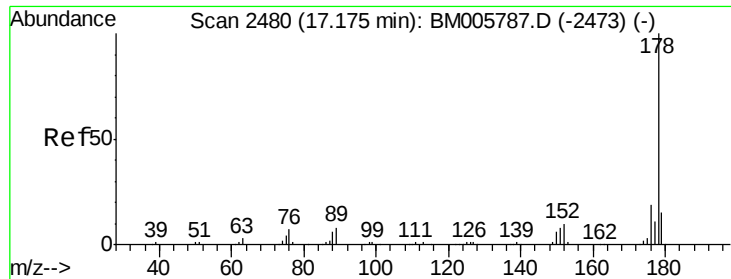


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 19.89 ng/ul

RT: 17.17 min Scan# 2480

Delta R.T. -0.00 min

Lab File: BM005791.D

Acq: 14 Jun 2016 18:50

Instrument :

BNA_M

ClientSampleId :

SSTD02040

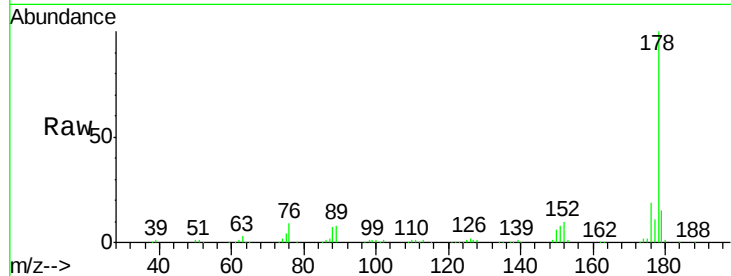
Tgt Ion:178 Resp: 435793

Ion Ratio Lower Upper

178 100

179 15.2 12.2 18.2

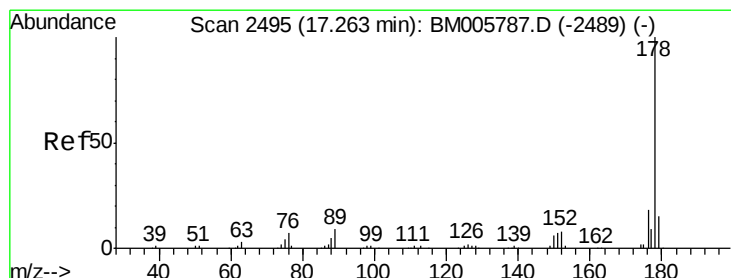
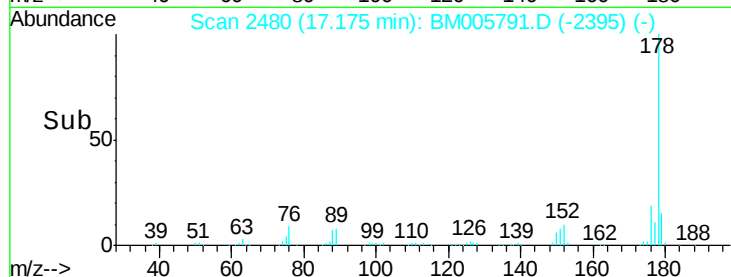
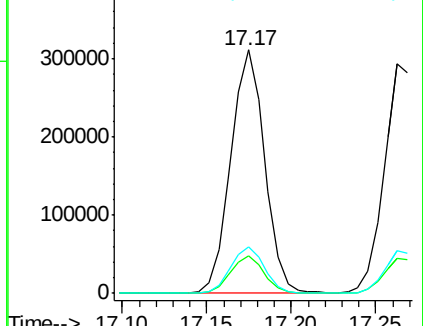
176 18.9 15.3 22.9



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: 19.94 ng/ul

RT: 17.26 min Scan# 2495

Delta R.T. -0.00 min

Lab File: BM005791.D

Acq: 14 Jun 2016 18:50

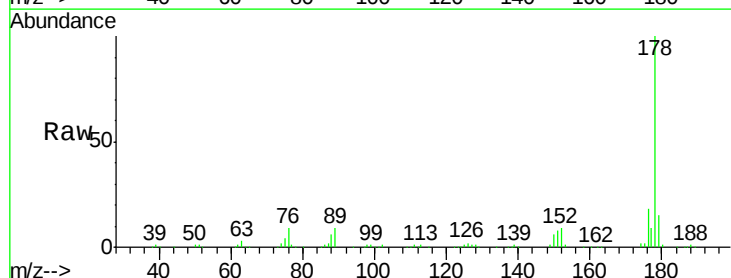
Tgt Ion:178 Resp: 432712

Ion Ratio Lower Upper

178 100

179 15.4 12.3 18.5

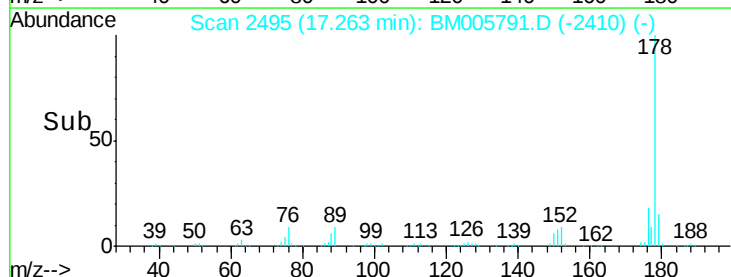
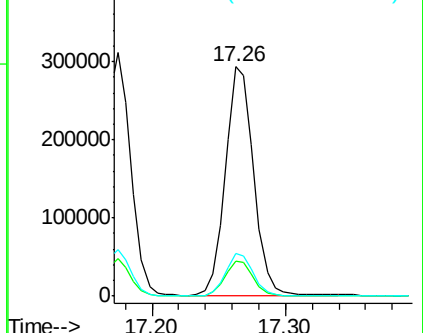
176 18.4 14.6 22.0

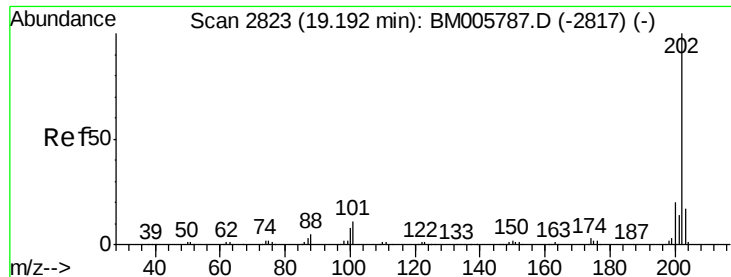


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 18.84 ng/ul

RT: 19.19 min Scan# 2823

Delta R.T. -0.00 min

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SSTD02040

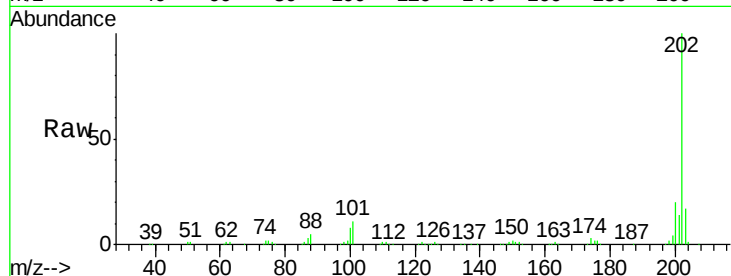
Tgt Ion:202 Resp: 439607

Ion Ratio Lower Upper

202 100

101 10.9 8.5 12.7

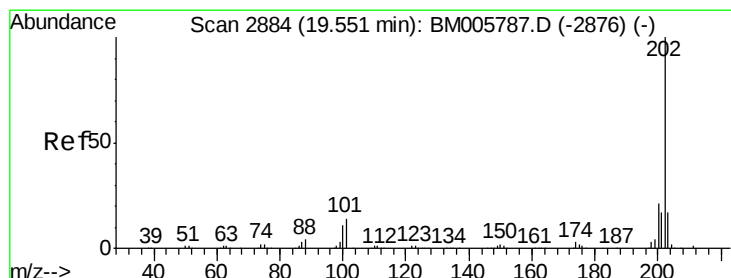
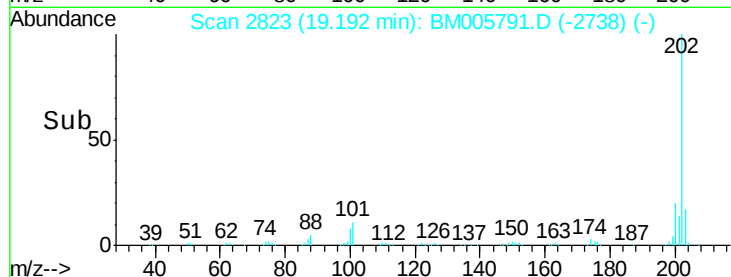
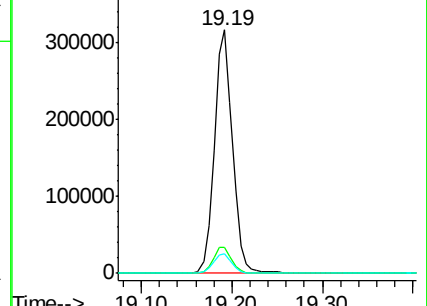
100 8.0 6.5 9.7



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: 19.23 ng/ul

RT: 19.56 min Scan# 2885

Delta R.T. 0.01 min

Lab File: BM005791.D

Acq: 14 Jun 2016 18:50

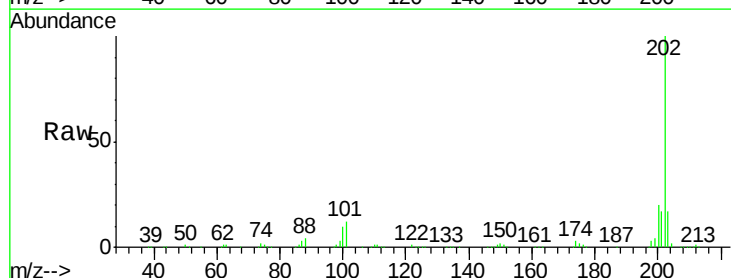
Tgt Ion:202 Resp: 450199

Ion Ratio Lower Upper

202 100

101 12.2 11.0 16.4

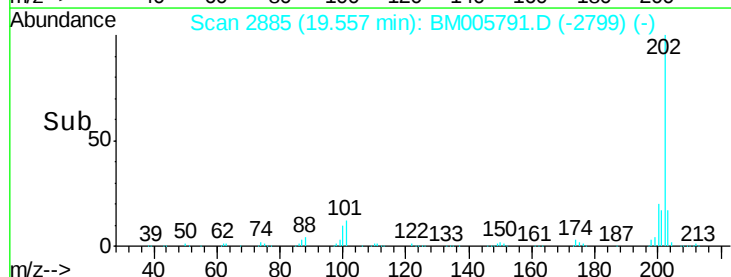
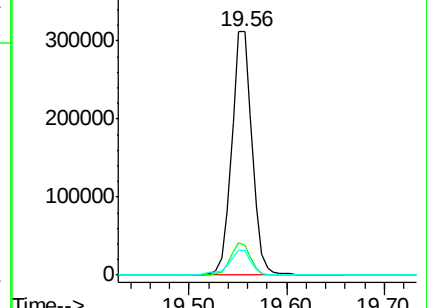
100 9.9 8.9 13.3

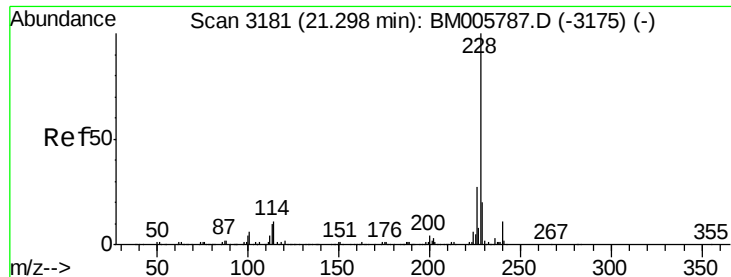


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 19.71 ng/ul

RT: 21.30 min Scan# 3181

Delta R.T. -0.00 min

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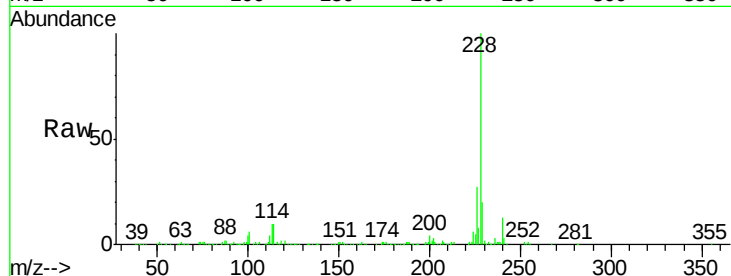
Tgt Ion:228 Resp: 434601

Ion Ratio Lower Upper

228 100

229 19.5 15.6 23.4

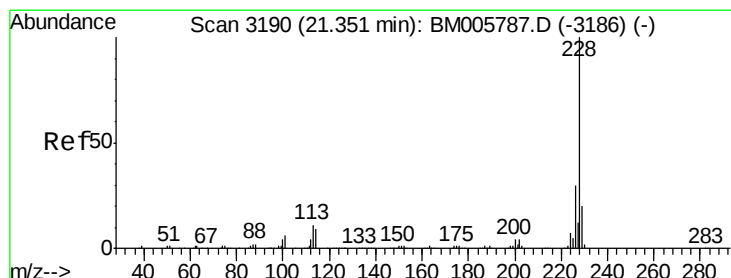
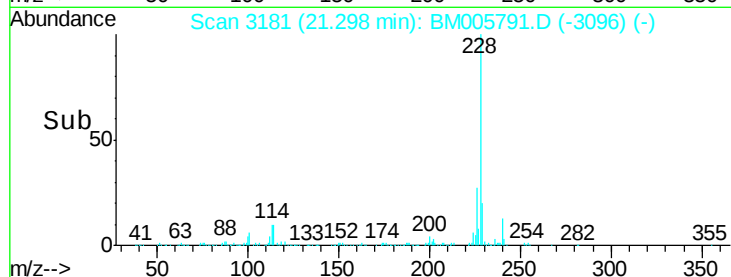
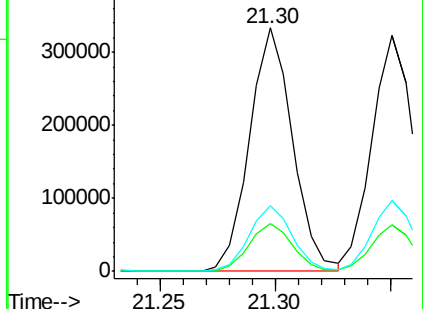
226 27.1 21.6 32.4



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: 19.43 ng/ul

RT: 21.35 min Scan# 3190

Delta R.T. -0.00 min

Lab File: BM005791.D

Acq: 14 Jun 2016 18:50

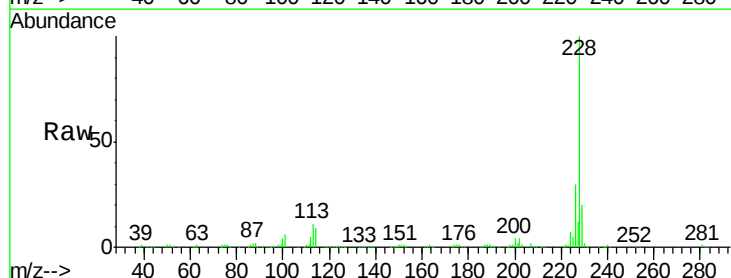
Tgt Ion:228 Resp: 419921

Ion Ratio Lower Upper

228 100

226 29.9 23.8 35.6

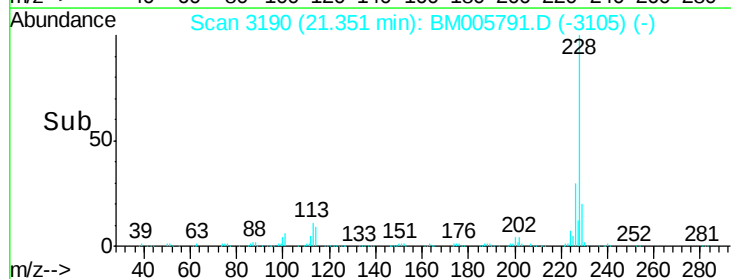
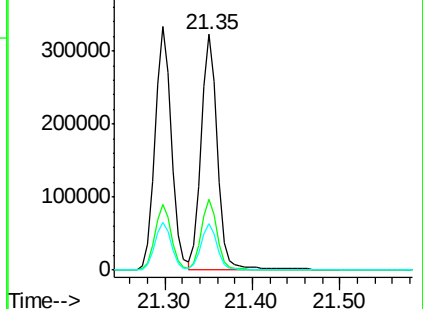
229 19.6 15.8 23.6

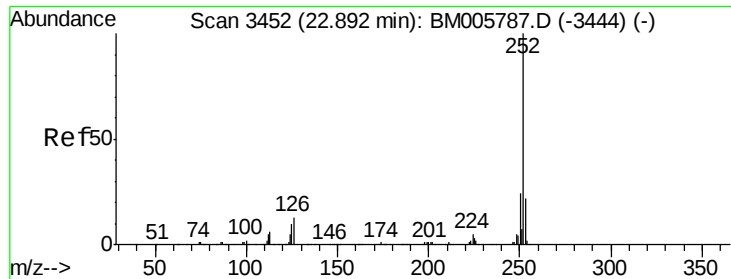


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 20.11 ng/u1

RT: 22.89 min Scan# 3452

Delta R.T. -0.00 min

Lab File: BM005791.D

Acq: 14 Jun 2016 18:50

Instrument :

BNA_M

ClientSampleId :

SSTD02040

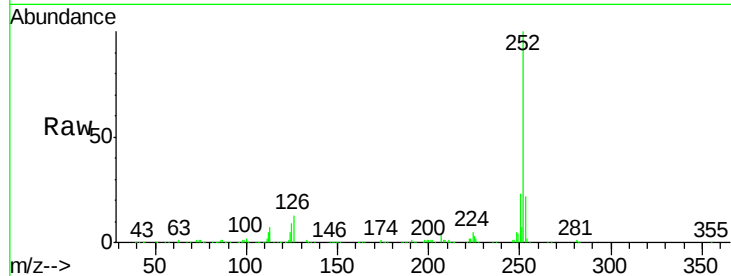
Tgt Ion:252 Resp: 468902

Ion Ratio Lower Upper

252 100

253 21.8 17.2 25.8

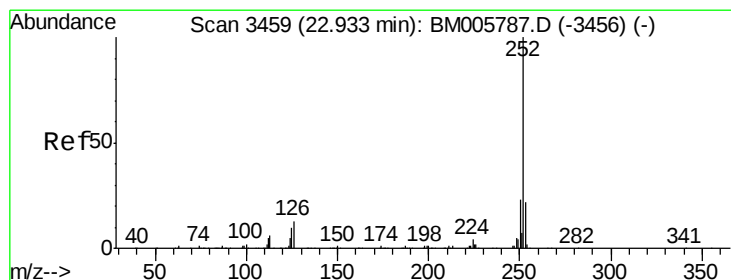
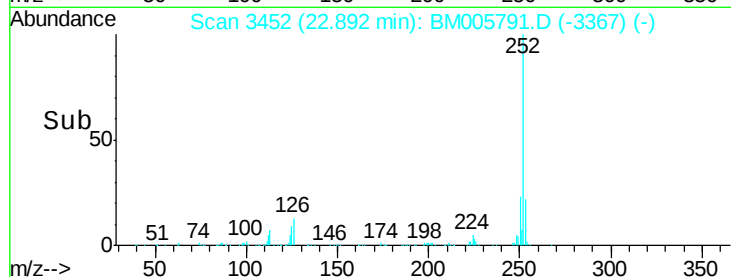
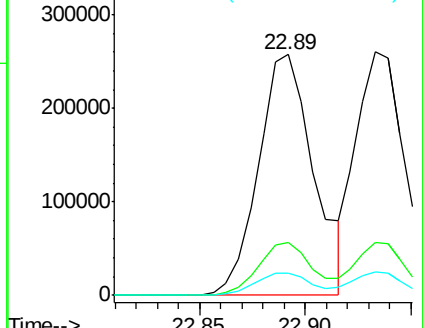
125 9.4 7.8 11.6



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: 19.65 ng/u1

RT: 22.93 min Scan# 3459

Delta R.T. -0.00 min

Lab File: BM005791.D

Acq: 14 Jun 2016 18:50

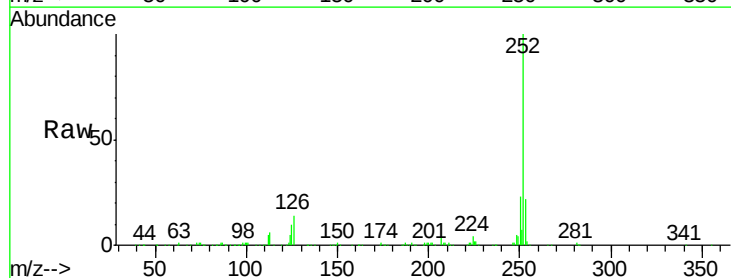
Tgt Ion:252 Resp: 424122

Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

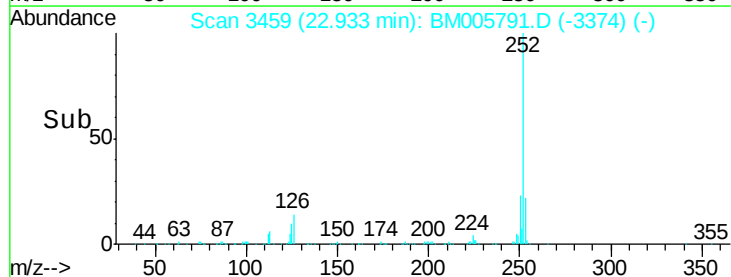
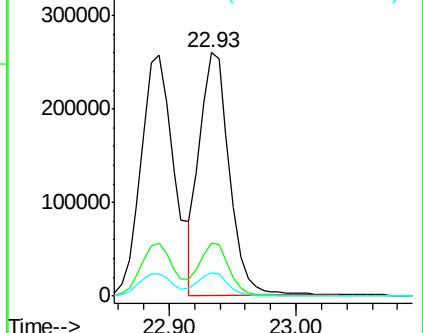
125 9.8 8.1 12.1

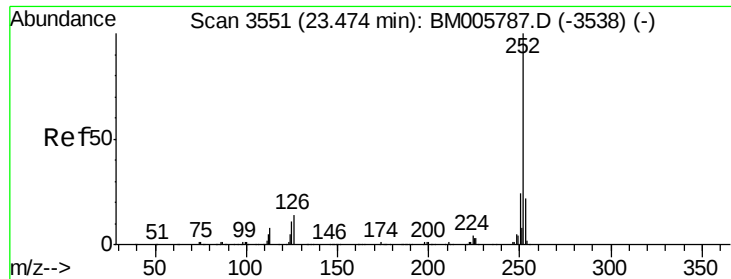


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 20.12 ng/ul

RT: 23.47 min Scan# 3551

Delta R.T. -0.00 min

Lab File: BM005791.D

Acq: 14 Jun 2016 18:50

Instrument :

BNA_M

ClientSampleId :

SSTD02040

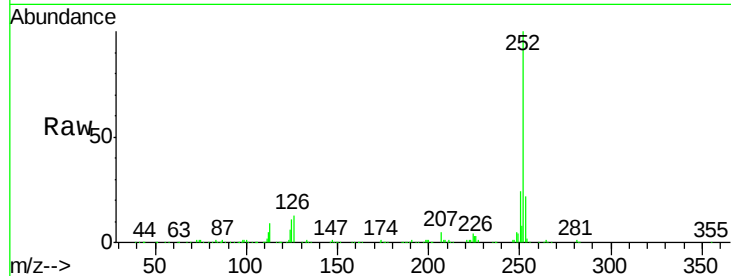
Tgt Ion:252 Resp: 448047

Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.6

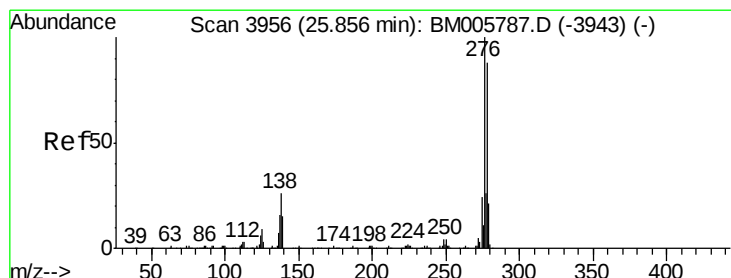
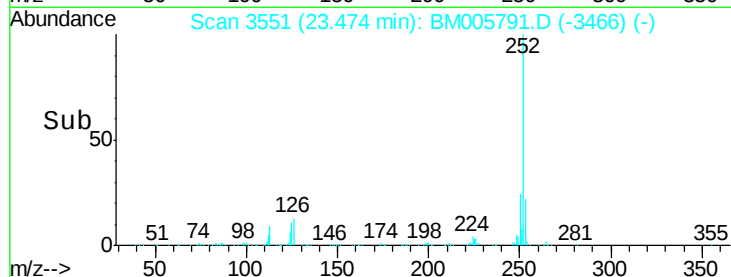
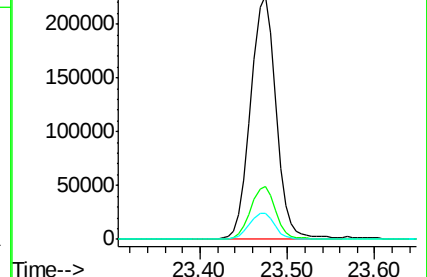
125 10.5 8.7 13.1



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: 20.52 ng/ul

RT: 25.86 min Scan# 3956

Delta R.T. -0.00 min

Lab File: BM005791.D

Acq: 14 Jun 2016 18:50

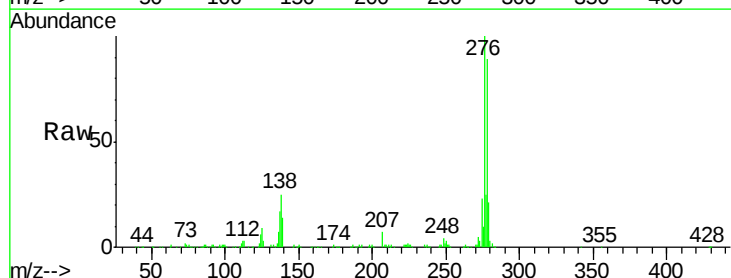
Tgt Ion:276 Resp: 524207

Ion Ratio Lower Upper

276 100

138 25.0 20.4 30.6

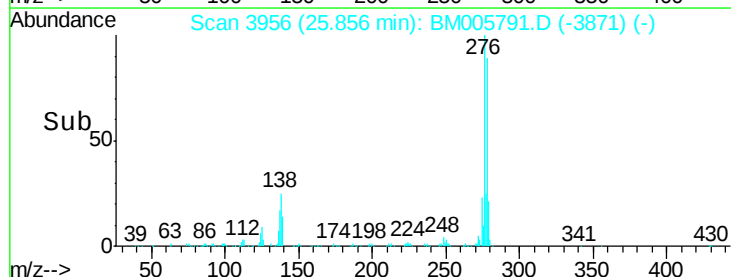
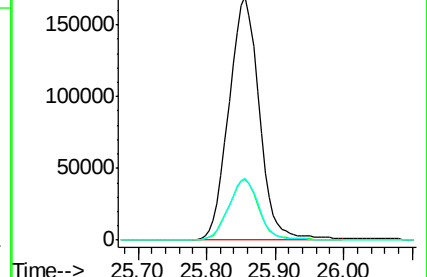
277 25.3 20.6 30.8

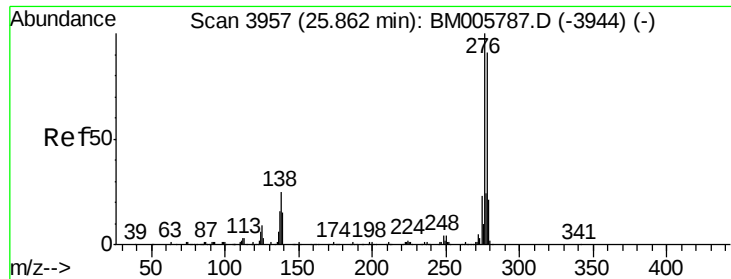


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#40

Dibenzo(a,h)anthracene

Concen: 20.58 ng/ul

RT: 25.86 min Scan# 3956

Delta R.T. -0.01 min

Lab File: BM005791.D

Acq: 14 Jun 2016 18:50

Instrument :

BNA_M

ClientSampleId :

SSTD02040

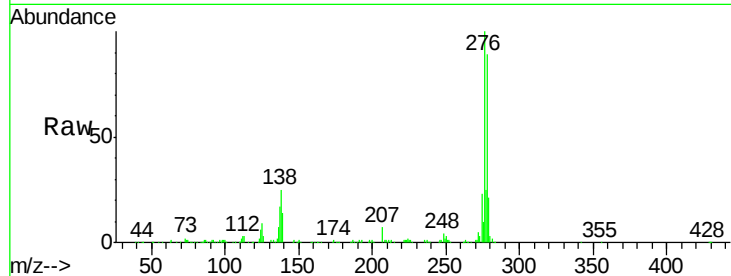
Tgt Ion:278 Resp: 439780

Ion Ratio Lower Upper

278 100

139 15.7 13.0 19.4

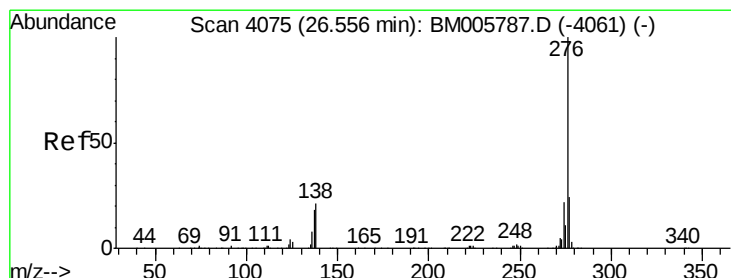
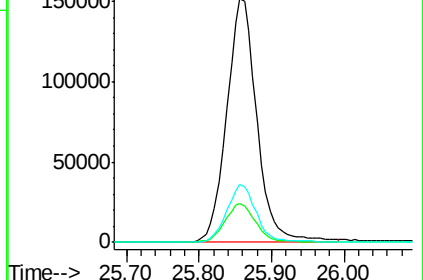
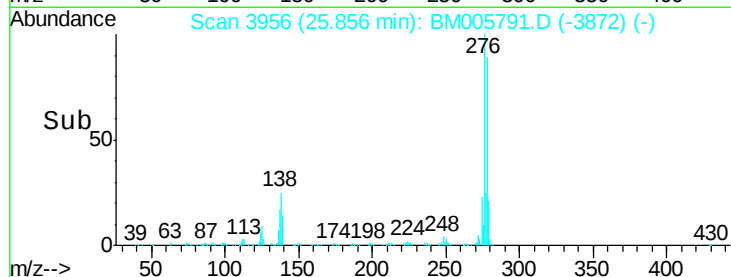
279 23.7 18.8 28.2



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: 20.08 ng/ul

RT: 26.56 min Scan# 4075

Delta R.T. -0.00 min

Lab File: BM005791.D

Acq: 14 Jun 2016 18:50

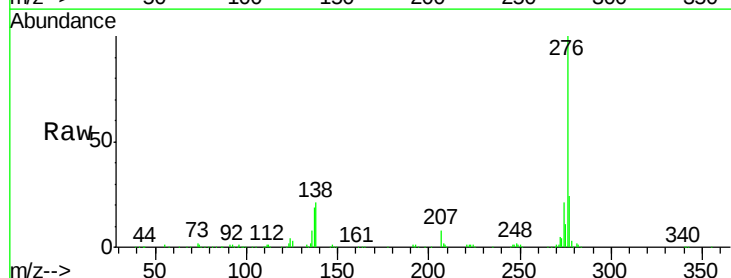
Tgt Ion:276 Resp: 444071

Ion Ratio Lower Upper

276 100

138 21.0 16.6 25.0

277 23.7 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

