

Data Path : Z:\HPCHEM1\BNA_M\Data\BM061216\
 Data File : BM005741.D
 Acq On : 12 Jun 2016 10:01
 Operator : UM/SJ
 Sample : SSTDC0020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02055

Quant Time: Jun 13 01:24:20 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jun 11 05:37:26 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	92932	20.00	ng/ul	0.00
7) Naphthalene-d8	10.54	136	481042	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.40	164	288785	20.00	ng/ul	0.01
23) Phenanthrene-d10	17.14	188	637474	20.00	ng/ul	0.01
29) Chrysene-d12	21.33	240	501027	20.00	ng/ul	0.01
34) Perylene-d12	23.59	264	459592	20.00	ng/ul	0.02

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.19	96	14340	6.69	ng/uL	0.00
3) Phenol-d5	6.93	99	154006	19.20	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.08	67	93201	19.34	ng/ul	0.00
5) 2-Chlorophenol-d4	7.29	132	131326	20.25	ng/ul	0.00
6) 4-Methylphenol-d8	8.47	113	135618	20.02	ng/ul	0.00
8) Nitrobenzene-d5	8.91	128	68678	19.81	ng/ul	0.00
9) 2-Nitrophenol-d4	9.63	143	76374	19.48	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.17	165	144262	20.29	ng/ul	0.00
12) 4-Chloroaniline-d4	10.68	131	200794	23.41	ng/ul	0.00
16) Dimethylphthalate-d6	13.80	166	449641	18.88	ng/ul	0.00
17) Acenaphthylene-d8	14.09	160	580736	19.93	ng/ul	0.00
20) 4-Nitrophenol-d4	14.64	143	59429	17.06	ng/ul	0.02
21) Fluorene-d10	15.39	176	394067	19.54	ng/ul	0.01
24) 4,6-Dinitro-2-methylphenol	15.54	200	40354	12.24	ng/ul	0.02
26) Anthracene-d10	17.24	188	594903	19.81	ng/ul	0.00
30) Pyrene-d10	19.53	212	572043	23.76	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.44	264	418159	19.95	ng/ul	0.02

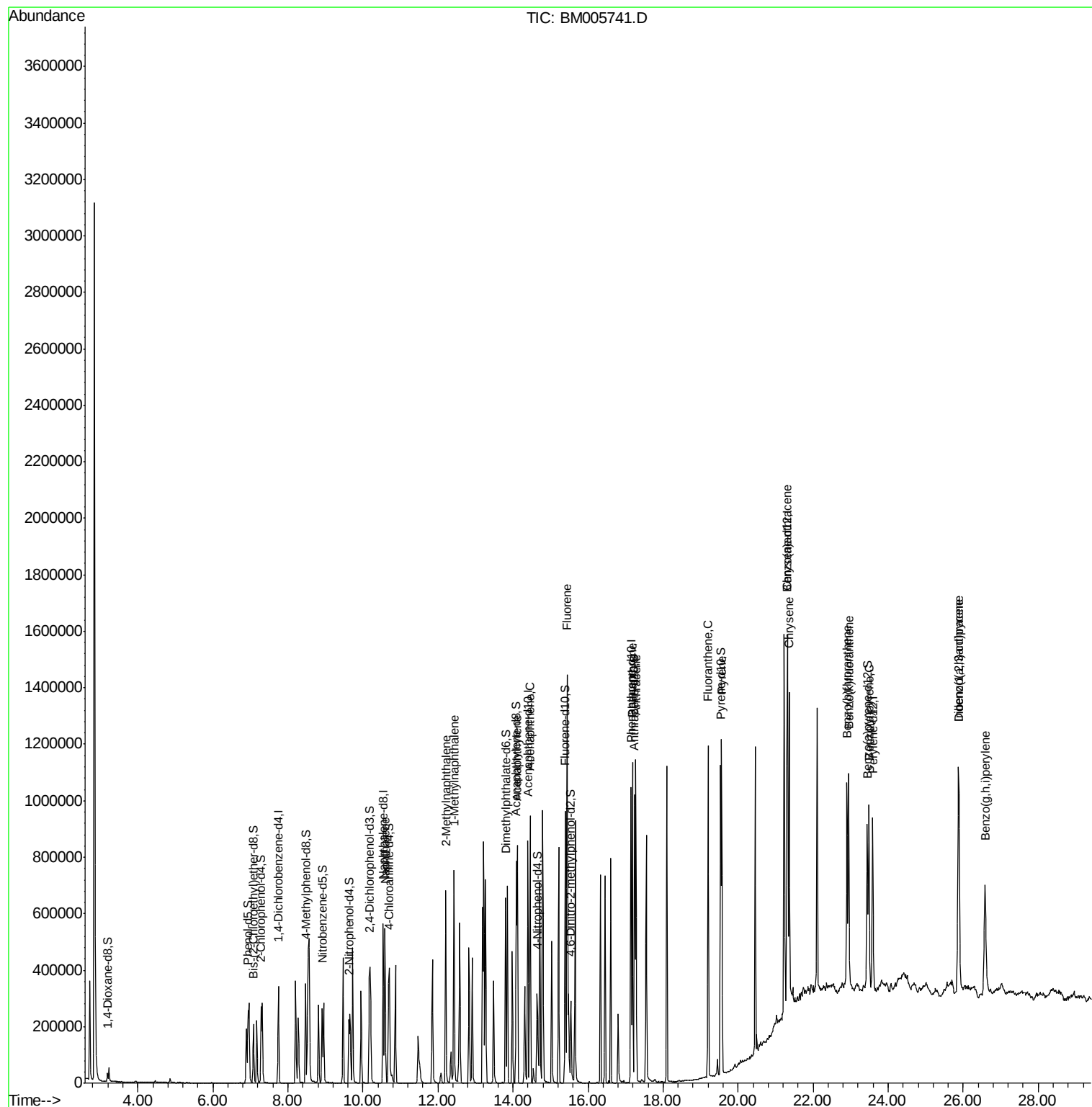
Target Compounds

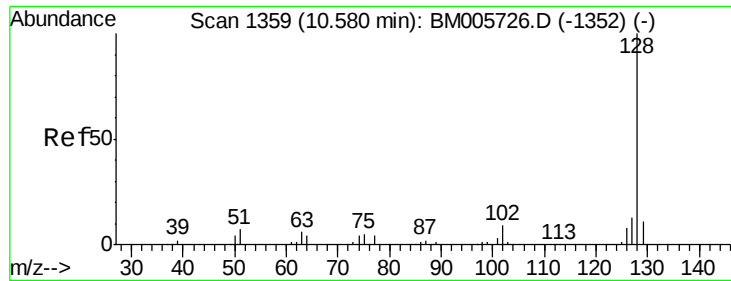
						Qvalue
11) Naphthalene	10.59	128	469807	19.49	ng/ul	99
13) 2-Methylnaphthalene	12.20	142	351928	19.42	ng/ul	99
14) 1-Methylnaphthalene	12.43	142	350699	19.58	ng/ul	97
18) Acenaphthylene	14.12	152	586816	19.67	ng/ul	99
19) Acenaphthene	14.46	153	384046	19.78	ng/ul	98
22) Fluorene	15.44	166	436378	19.71	ng/ul	99
25) Phenanthrene	17.19	178	694690	19.91	ng/ul	99
27) Anthracene	17.27	178	702894	19.85	ng/ul	100
28) Fluoranthene	19.20	202	739816	18.05	ng/ul	98
31) Pyrene	19.56	202	722768	23.70	ng/ul	99
32) Benzo(a)anthracene	21.31	228	575883	19.91	ng/ul	100
33) Chrysene	21.36	228	557887	19.55	ng/ul	99
35) Benzo(b)fluoranthene	22.91	252	528350	19.35	ng/ul	98
36) Benzo(k)fluoranthene	22.95	252	527805	19.13	ng/ul	99
38) Benzo(a)pyrene	23.49	252	514326	19.84	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.88	276	589519	23.30	ng/ul	98
40) Dibenzo(a,h)anthracene	25.89	278	497025	23.50	ng/ul	97
41) Benzo(g,h,i)perylene	26.59	276	501351	23.69	ng/ul	98

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

Instrument :
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Quant Title : SVOA CALIBRATION
QLast Update : Sat Jun 11 05:37:26 2016
Response via : Initial Calibration





#11

Naphthalene

Concen: 19.49 ng/ul

RT: 10.59 min Scan# 1361

Delta R.T. 0.01 min

Lab File: BM005741.D

Acq: 12 Jun 2016 10:01

Instrument :

BNA_M

ClientSampleId :

SSTD02055

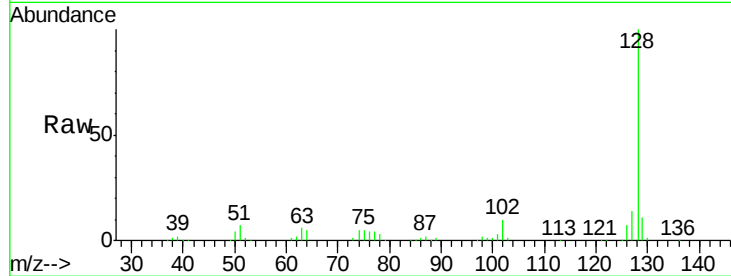
Tgt Ion:128 Resp: 469807

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

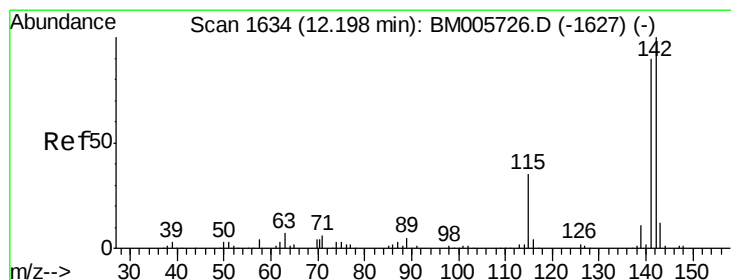
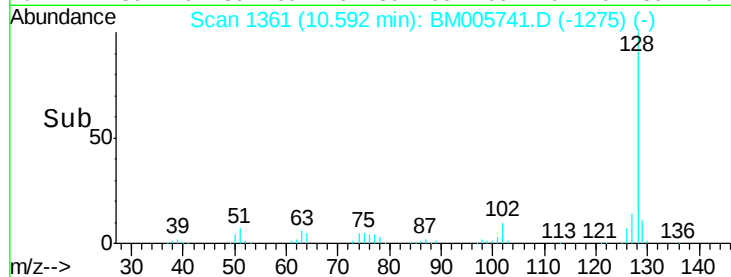
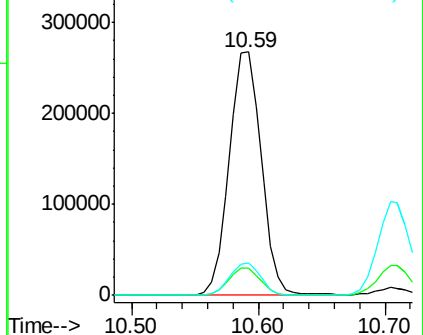
127 13.5 10.3 15.5



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: 19.42 ng/ul

RT: 12.20 min Scan# 1635

Delta R.T. -0.00 min

Lab File: BM005741.D

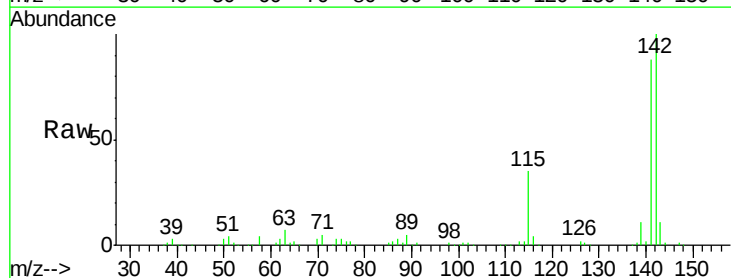
Acq: 12 Jun 2016 10:01

Tgt Ion:142 Resp: 351928

Ion Ratio Lower Upper

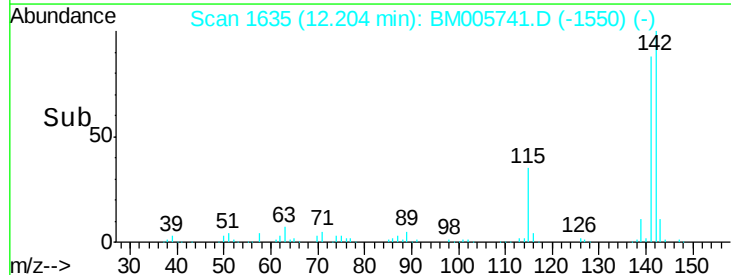
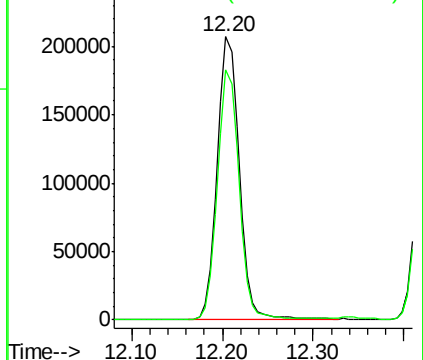
142 100

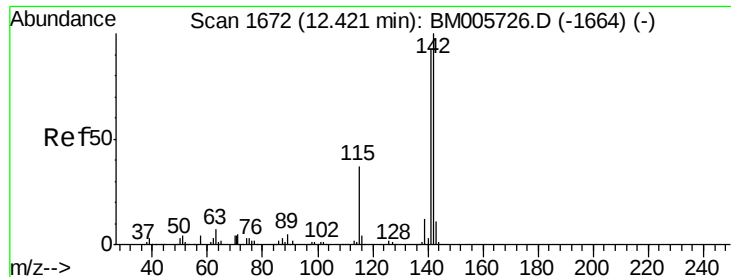
141 88.5 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

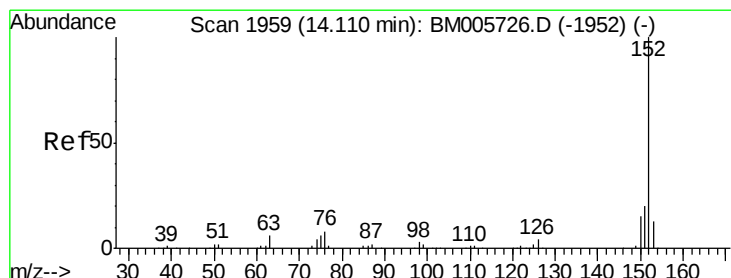
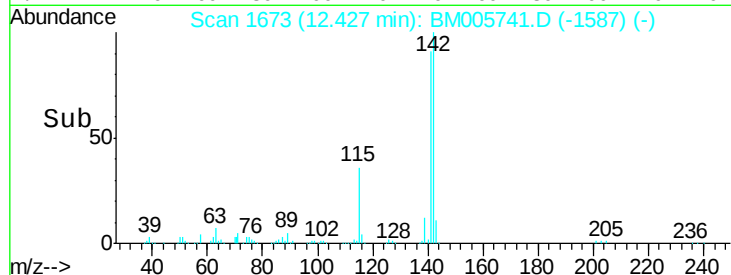
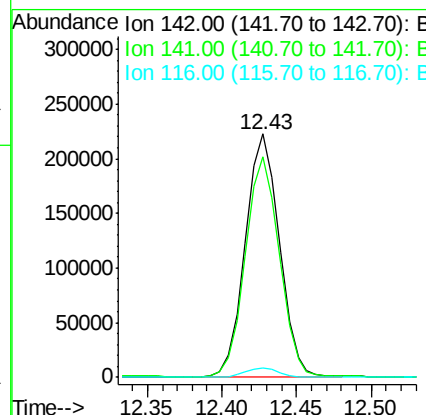
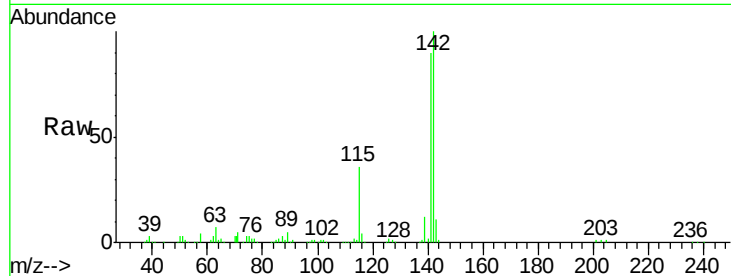




#14
1-Methylnaphthalene
Concen: 19.58 ng/ul
RT: 12.43 min Scan# 1673
Delta R.T. 0.01 min
Lab File: BM005741.D
Acq: 12 Jun 2016 10:01

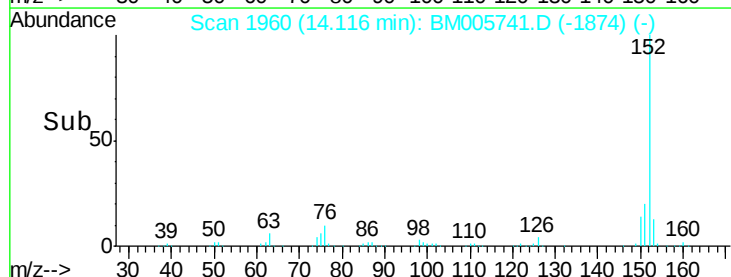
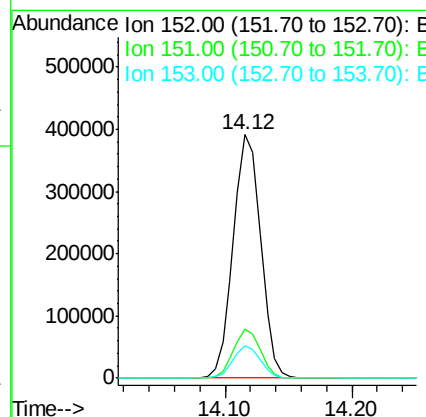
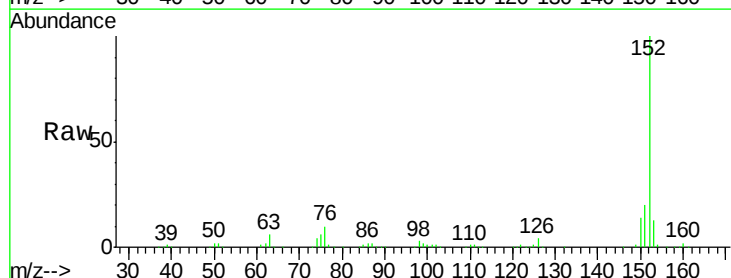
Instrument :
BNA_M
ClientSampleId :
SSTD02055

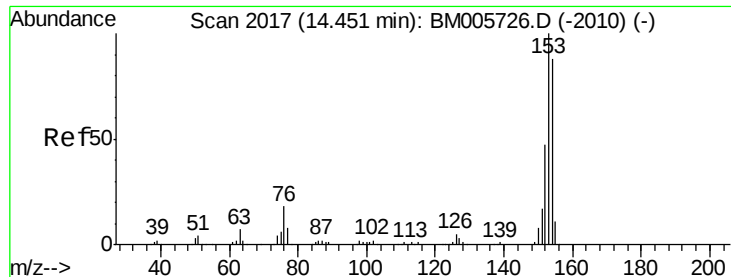
Tgt Ion:142 Resp: 350699
Ion Ratio Lower Upper
142 100
141 90.5 74.6 111.8
116 3.7 3.0 4.6



#18
Acenaphthylene
Concen: 19.67 ng/ul
RT: 14.12 min Scan# 1960
Delta R.T. 0.01 min
Lab File: BM005741.D
Acq: 12 Jun 2016 10:01

Tgt Ion:152 Resp: 586816
Ion Ratio Lower Upper
152 100
151 19.9 16.3 24.5
153 13.4 10.4 15.6





#19

Acenaphthene

Concen: 19.78 ng/u1

RT: 14.46 min Scan# 2018

Delta R.T. 0.01 min

Lab File: BM005741.D

Acq: 12 Jun 2016 10:01

Instrument :

BNA_M

ClientSampleId :

SSTD02055

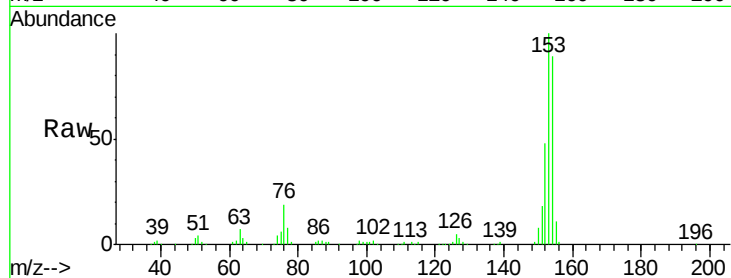
Tgt Ion:153 Resp: 384046

Ion Ratio Lower Upper

153 100

152 47.6 38.8 58.2

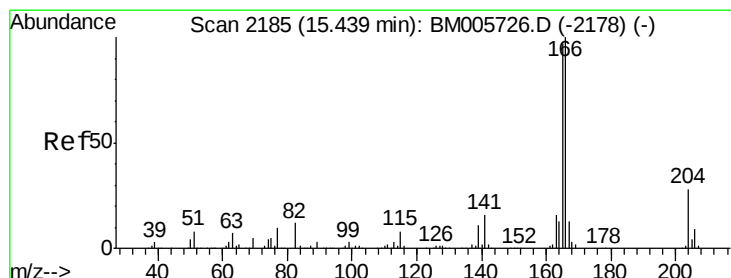
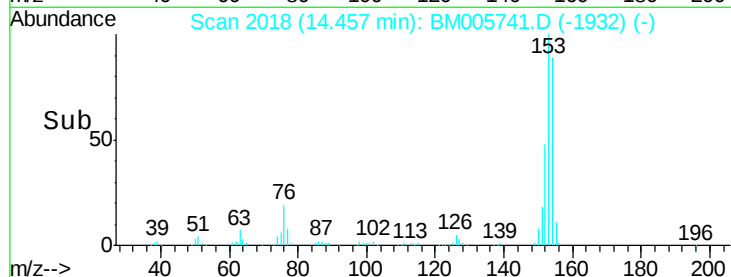
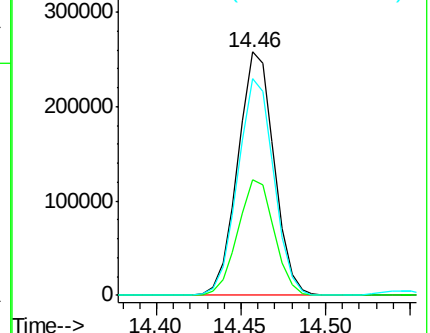
154 89.0 72.5 108.7



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: 19.71 ng/u1

RT: 15.44 min Scan# 2186

Delta R.T. 0.01 min

Lab File: BM005741.D

Acq: 12 Jun 2016 10:01

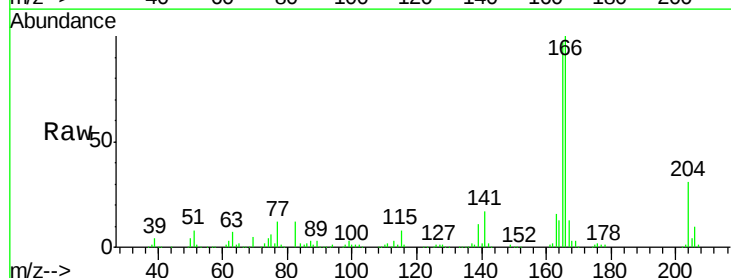
Tgt Ion:166 Resp: 436378

Ion Ratio Lower Upper

166 100

165 97.1 76.4 114.6

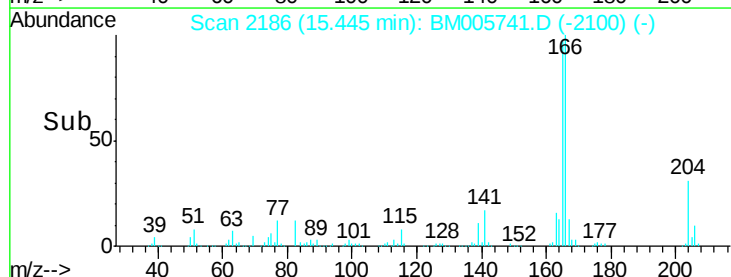
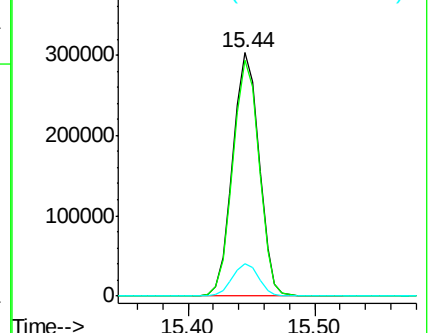
167 13.3 10.6 16.0

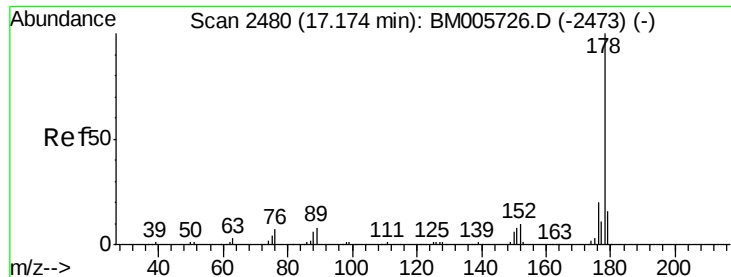


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

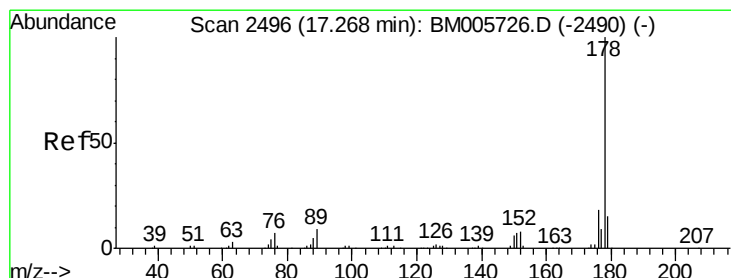
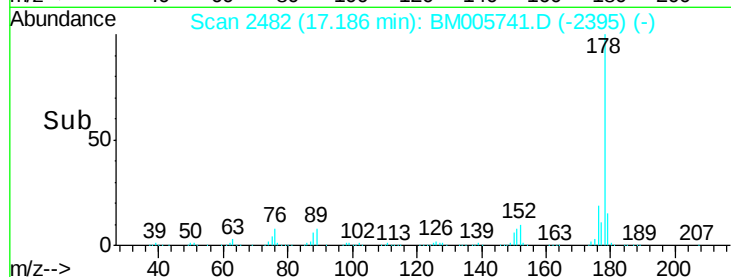
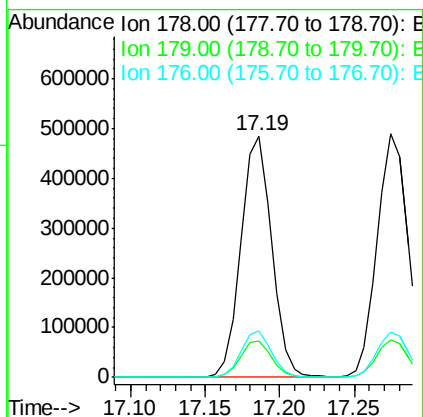
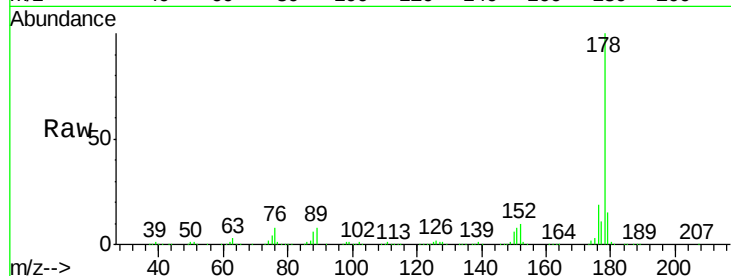




#25
Phenanthrene
Concen: 19.91 ng/ul
RT: 17.19 min Scan# 2482
Delta R.T. 0.01 min
Lab File: BM005741.D
Acq: 12 Jun 2016 10:01

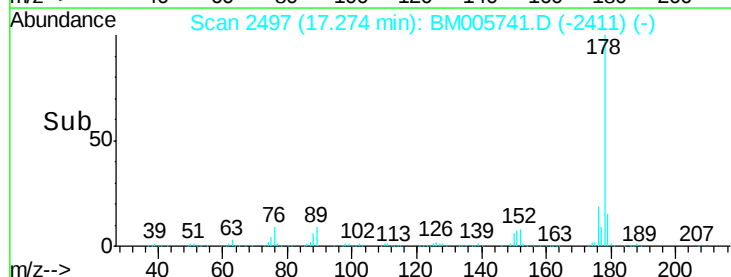
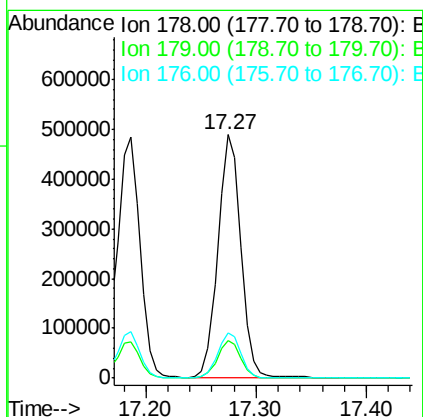
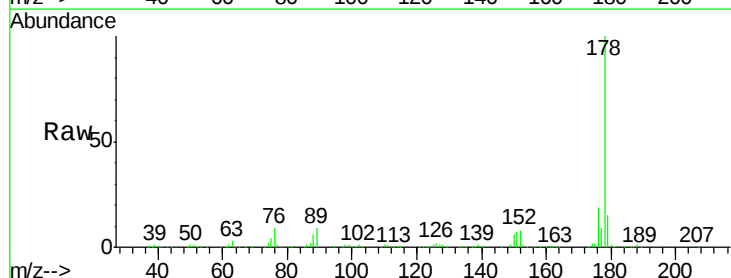
Instrument :
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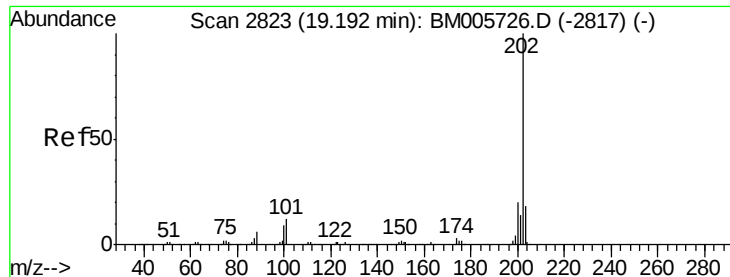
Tgt Ion:178 Resp: 694690
Ion Ratio Lower Upper
178 100
179 15.1 12.4 18.6
176 19.1 15.8 23.6



#27
Anthracene
Concen: 19.85 ng/ul
RT: 17.27 min Scan# 2497
Delta R.T. 0.01 min
Lab File: BM005741.D
Acq: 12 Jun 2016 10:01

Tgt Ion:178 Resp: 702894
Ion Ratio Lower Upper
178 100
179 15.3 12.1 18.1
176 18.7 15.0 22.6





#28

Fluoranthene

Concen: 18.05 ng/ul

RT: 19.20 min Scan# 2825

Delta R.T. 0.01 min

Lab File: BM005741.D

Acq: 12 Jun 2016 10:01

Instrument :

BNA_M

ClientSampleId :

SSTD02055

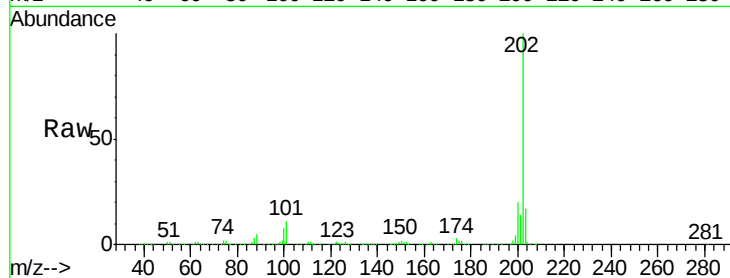
Tgt Ion:202 Resp: 739816

Ion Ratio Lower Upper

202 100

101 10.8 9.4 14.2

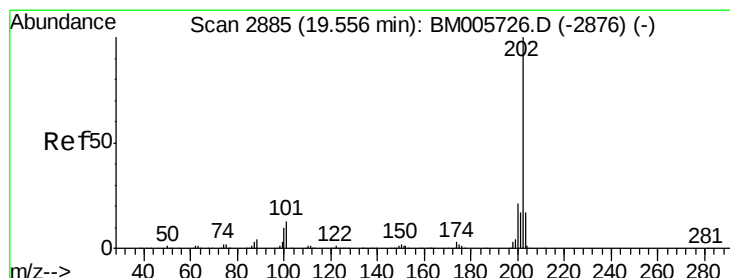
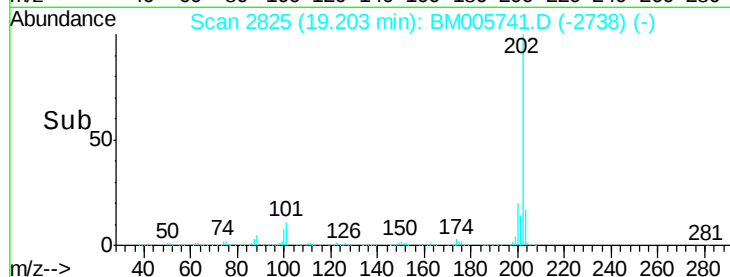
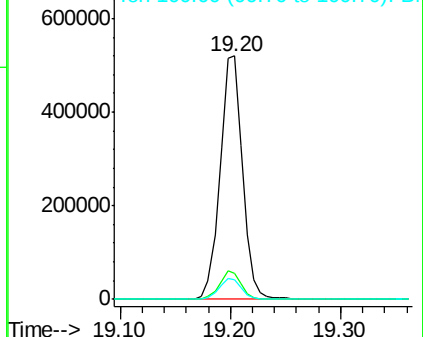
100 8.0 6.9 10.3



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: 23.70 ng/ul

RT: 19.56 min Scan# 2886

Delta R.T. 0.01 min

Lab File: BM005741.D

Acq: 12 Jun 2016 10:01

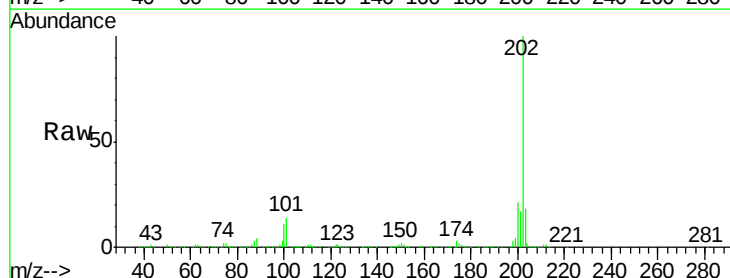
Tgt Ion:202 Resp: 722768

Ion Ratio Lower Upper

202 100

101 13.6 10.6 15.8

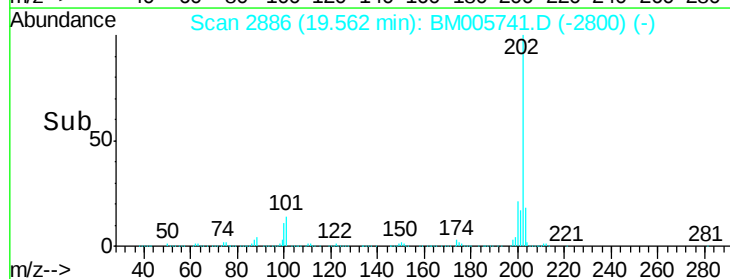
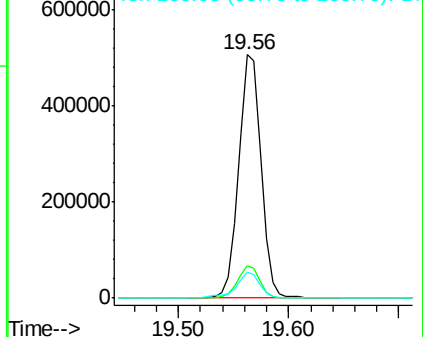
100 10.6 8.4 12.6

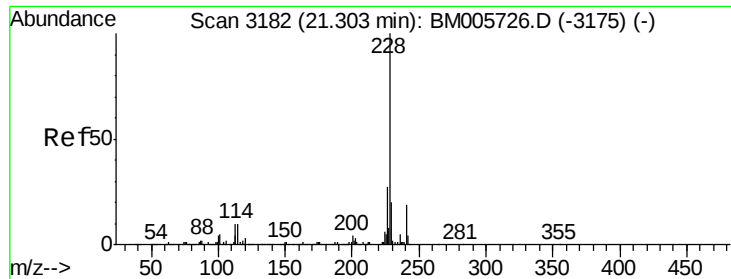


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 19.91 ng/ul

RT: 21.31 min Scan# 3183

Delta R.T. 0.01 min

Lab File: BM005741.D

Acq: 12 Jun 2016 10:01

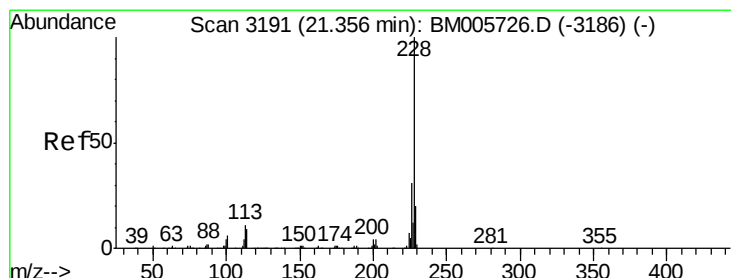
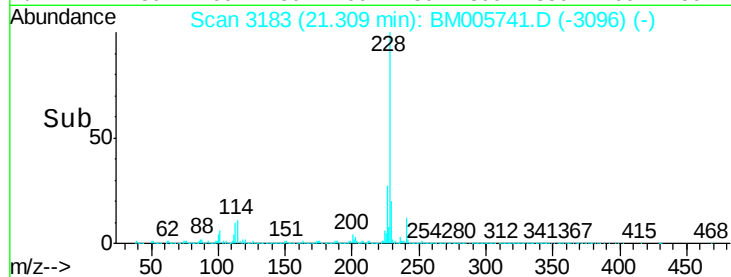
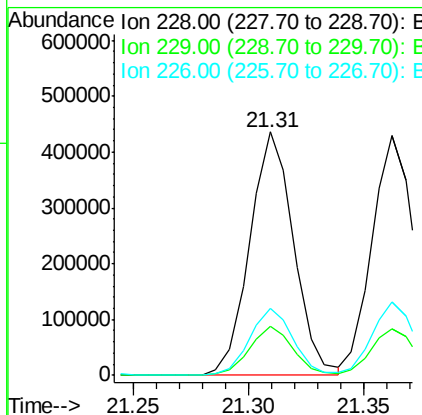
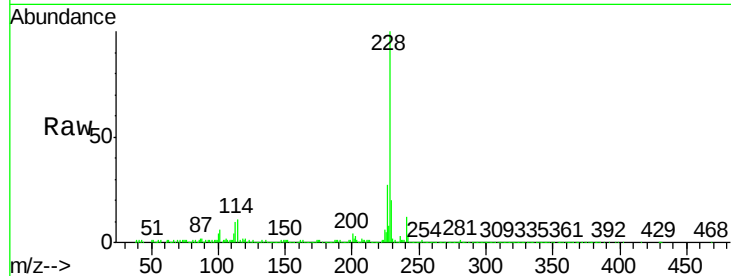
Instrument :

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Tgt Ion:	228	Resp:	575883
Ion	Ratio	Lower	Upper
228	100		
229	20.0	16.1	24.1
226	27.3	22.1	33.1



#33

Chrysene

Concen: 19.55 ng/ul

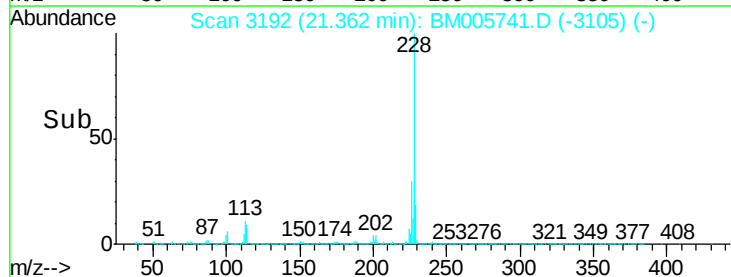
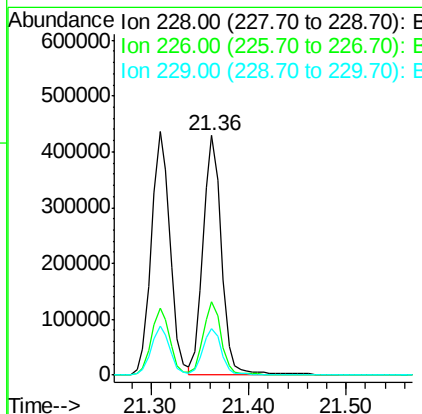
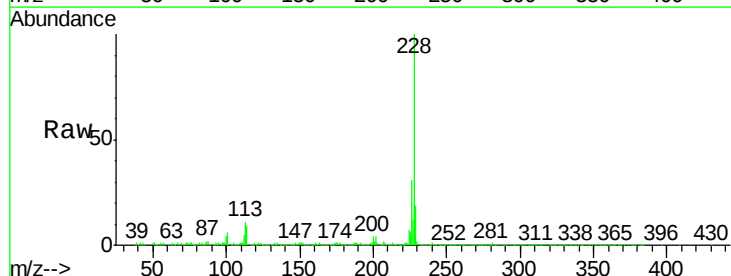
RT: 21.36 min Scan# 3192

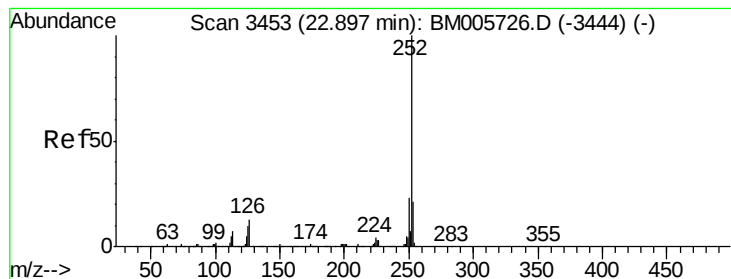
Delta R.T. 0.01 min

Lab File: BM005741.D

Acq: 12 Jun 2016 10:01

Tgt Ion:	228	Resp:	557887
Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.2	36.2
229	19.5	15.8	23.8





#35

Benzo(b)fluoranthene

Concen: 19.35 ng/ul

RT: 22.91 min Scan# 3455

Delta R.T. 0.02 min

Lab File: BM005741.D

Acq: 12 Jun 2016 10:01

Instrument :

BNA_M

ClientSampleId :

SSTD02055

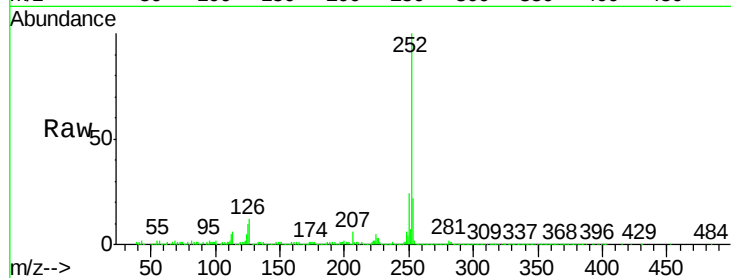
Tgt Ion:252 Resp: 528350

Ion Ratio Lower Upper

252 100

253 21.8 18.2 27.2

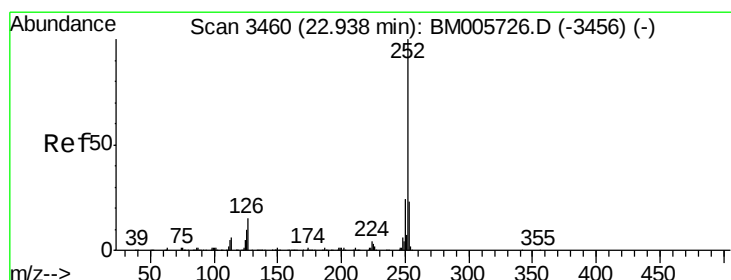
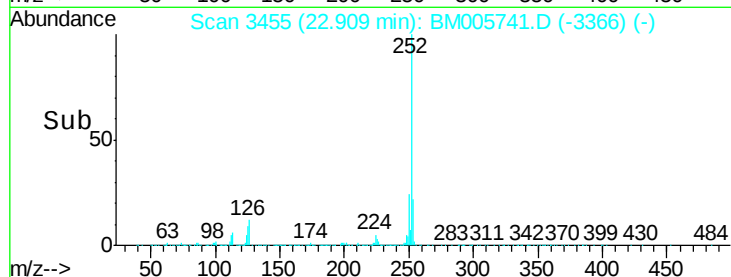
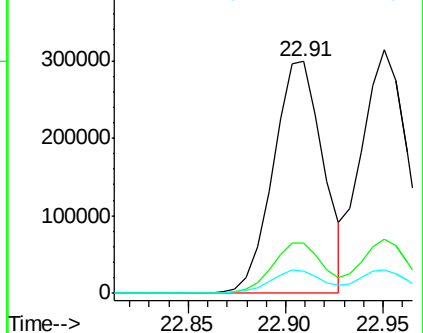
125 9.8 8.4 12.6



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: 19.13 ng/ul

RT: 22.95 min Scan# 3462

Delta R.T. 0.02 min

Lab File: BM005741.D

Acq: 12 Jun 2016 10:01

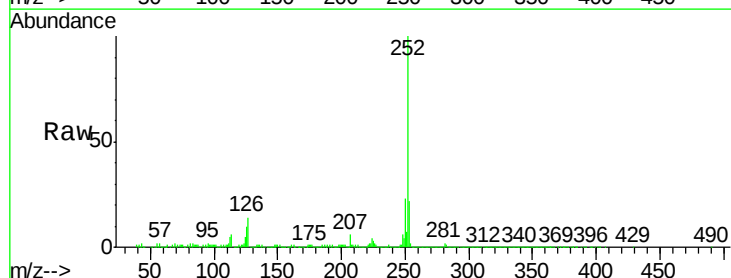
Tgt Ion:252 Resp: 527805

Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

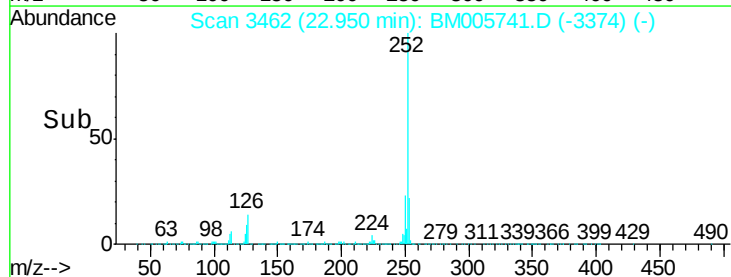
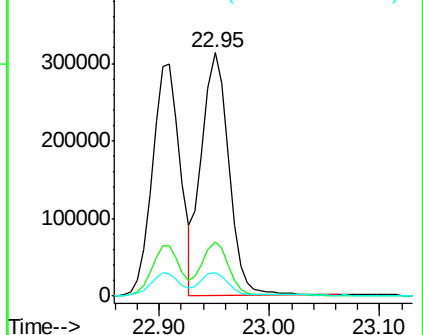
125 9.8 8.2 12.2

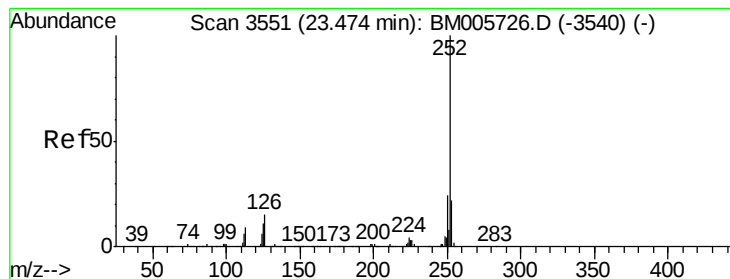


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 19.84 ng/ul

RT: 23.49 min Scan# 3554

Delta R.T. 0.02 min

Lab File: BM005741.D

Acq: 12 Jun 2016 10:01

Instrument :

BNA_M

ClientSampleId :

SSTD02055

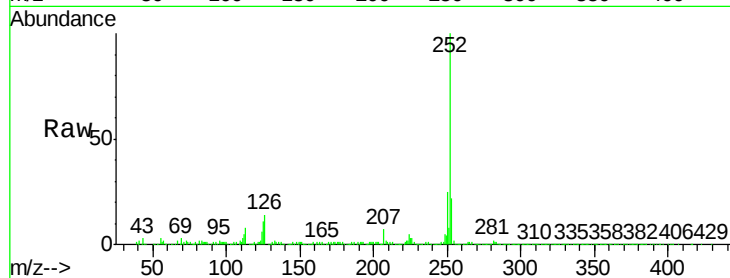
Tgt Ion:252 Resp: 514326

Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

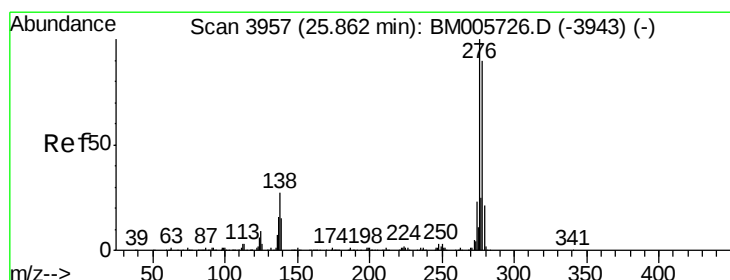
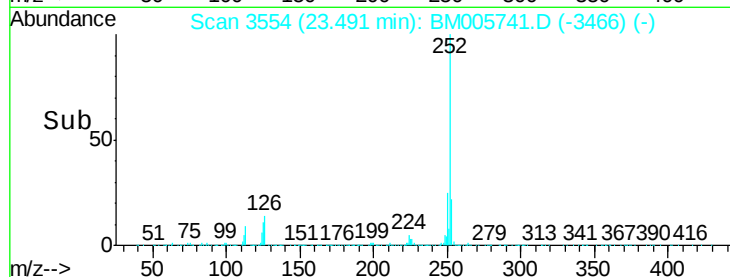
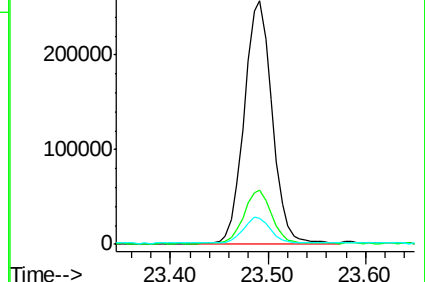
125 10.9 9.1 13.7



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: 23.30 ng/ul

RT: 25.88 min Scan# 3960

Delta R.T. 0.03 min

Lab File: BM005741.D

Acq: 12 Jun 2016 10:01

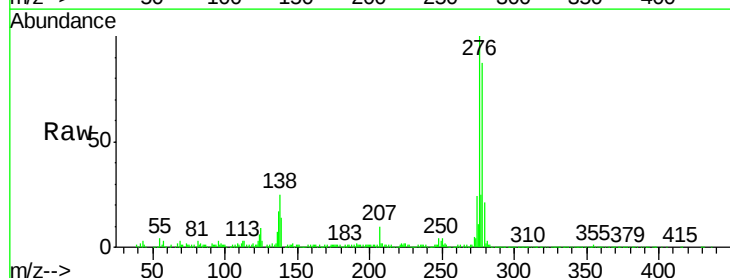
Tgt Ion:276 Resp: 589519

Ion Ratio Lower Upper

276 100

138 25.2 21.4 32.2

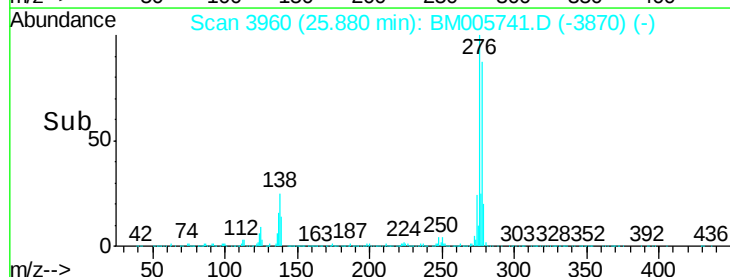
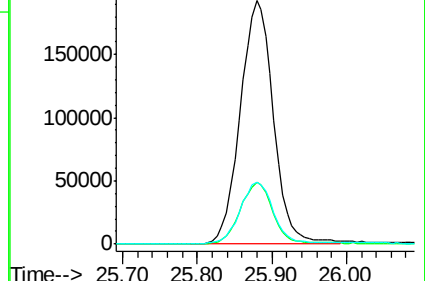
277 25.4 20.5 30.7

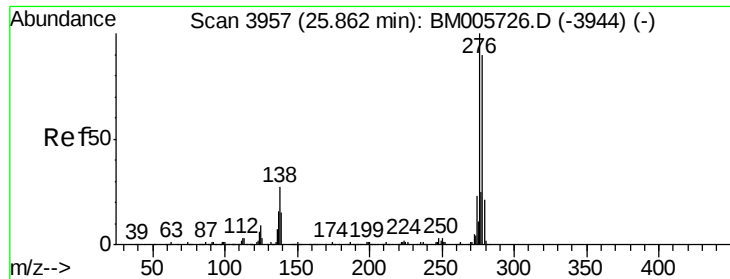


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#40

Dibenzo(a,h)anthracene

Concen: 23.50 ng/ul

RT: 25.89 min Scan# 3961

Delta R.T. 0.03 min

Lab File: BM005741.D

Acq: 12 Jun 2016 10:01

Instrument :

BNA_M

ClientSampleId :

SSTD02055

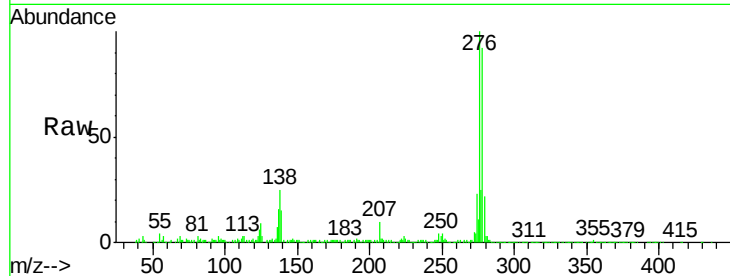
Tgt Ion: 278 Resp: 497025

Ion Ratio Lower Upper

278 100

139 15.9 14.2 21.4

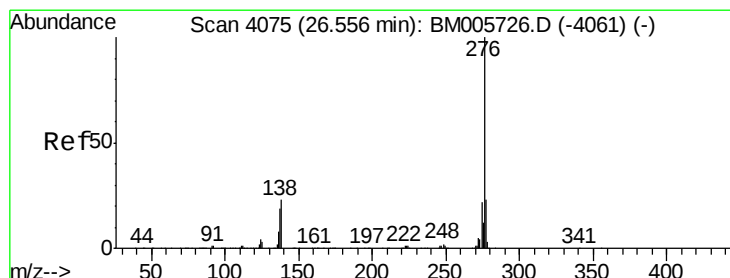
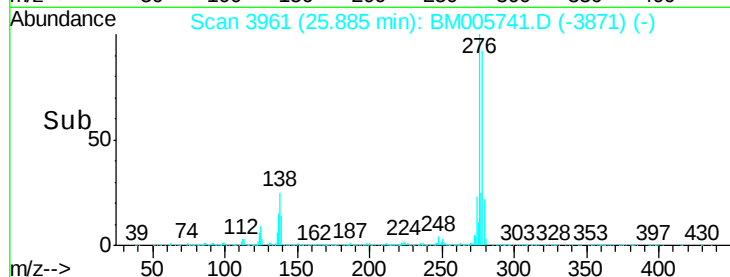
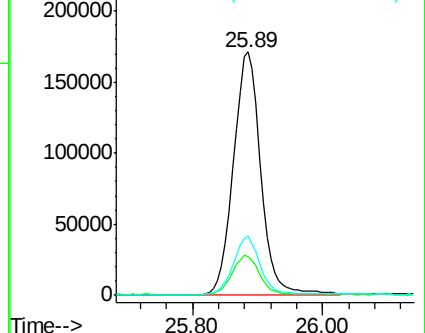
279 24.1 18.8 28.2



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: 23.69 ng/ul

RT: 26.59 min Scan# 4080

Delta R.T. 0.04 min

Lab File: BM005741.D

Acq: 12 Jun 2016 10:01

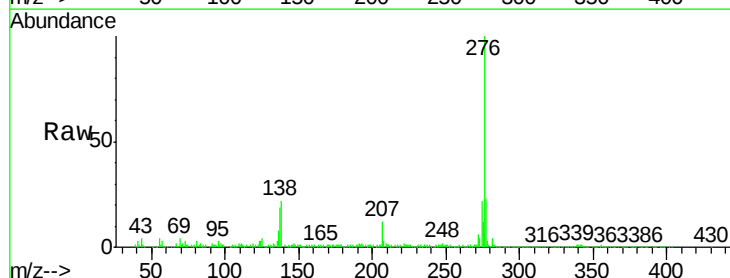
Tgt Ion: 276 Resp: 501351

Ion Ratio Lower Upper

276 100

138 21.5 18.2 27.4

277 23.3 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

