

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060616\
 Data File : BM005674.D
 Acq On : 06 Jun 2016 17:44
 Operator : UM/SJ
 Sample : SSTDC0020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02046

Quant Time: Jun 07 04:26:50 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM060216.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 07 04:25:20 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	112509	20.00	ng/ul	0.00
7) Naphthalene-d8	10.55	136	476609	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.40	164	229384	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.14	188	431229	20.00	ng/ul	0.00
29) Chrysene-d12	21.33	240	413972	20.00	ng/ul	0.00
34) Perylene-d12	23.58	264	410265	20.00	ng/ul	-0.01

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.22	96	21053	7.86	ng/uL	0.00
3) Phenol-d5	6.94	99	193597	19.57	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.09	67	120558	20.03	ng/ul	0.00
5) 2-Chlorophenol-d4	7.29	132	161352	19.77	ng/ul	0.00
6) 4-Methylphenol-d8	8.47	113	147461	18.85	ng/ul	0.00
8) Nitrobenzene-d5	8.92	128	73919	20.20	ng/ul	0.00
9) 2-Nitrophenol-d4	9.64	143	77096	19.69	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.18	165	135886	19.52	ng/ul	0.00
12) 4-Chloroaniline-d4	10.69	131	178720	21.61	ng/ul	0.00
16) Dimethylphthalate-d6	13.81	166	342604	19.43	ng/ul	0.00
17) Acenaphthylene-d8	14.09	160	460570	20.08	ng/ul	0.00
20) 4-Nitrophenol-d4	14.62	143	47461	18.80	ng/ul	0.00
21) Fluorene-d10	15.39	176	295796	19.53	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.53	200	35356	17.41	ng/ul	0.00
26) Anthracene-d10	17.24	188	413242	20.18	ng/ul	0.00
30) Pyrene-d10	19.54	212	402925	19.36	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.44	264	371237	19.66	ng/ul	0.00

Target Compounds

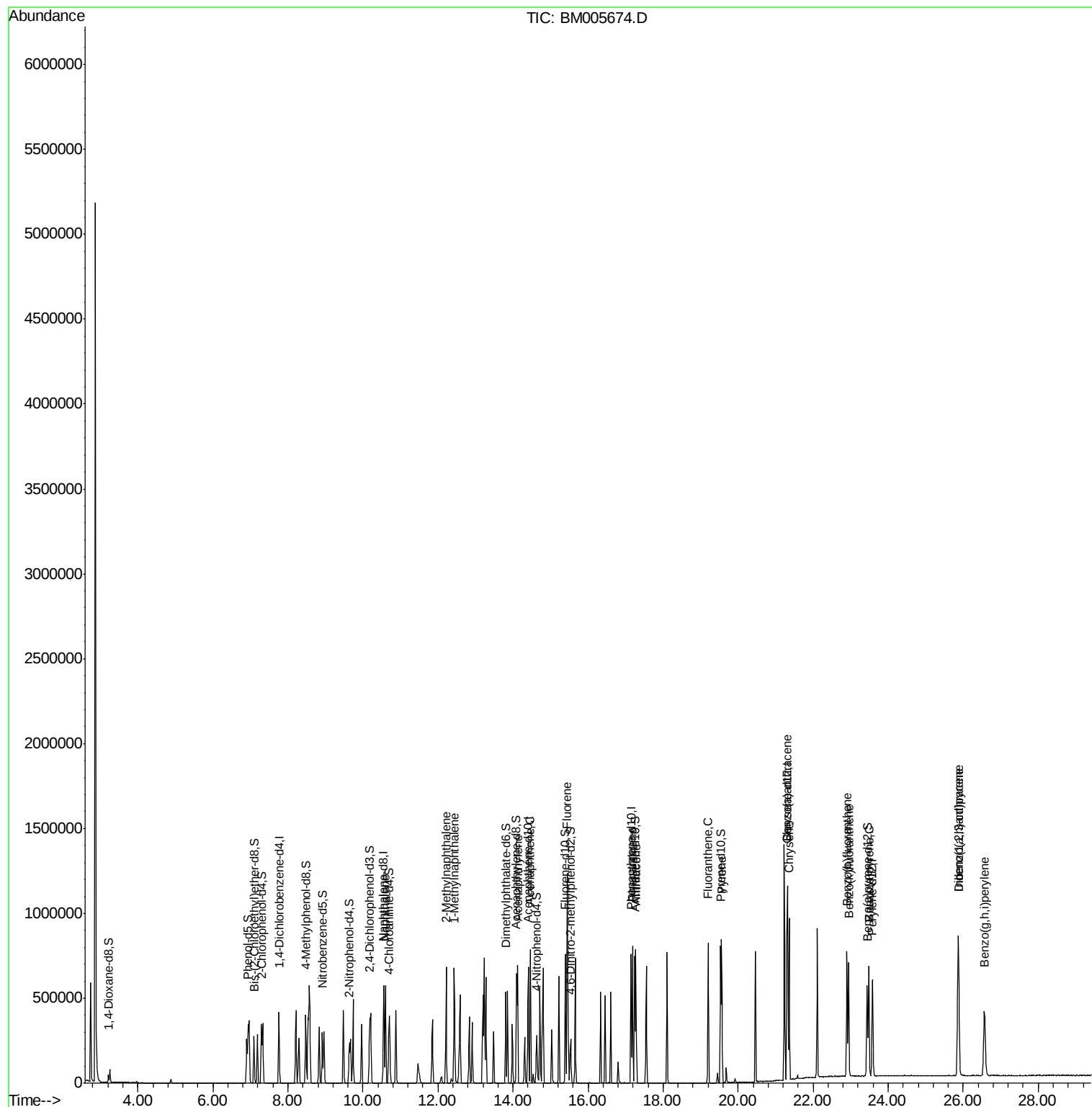
						Qvalue
11) Naphthalene	10.60	128	482474	19.91	ng/ul	98
13) 2-Methylnaphthalene	12.22	142	322345	19.14	ng/ul	98
14) 1-Methylnaphthalene	12.43	142	315054	19.01	ng/ul#	97
18) Acenaphthylene	14.12	152	478114	20.15	ng/ul	97
19) Acenaphthene	14.46	153	310191	20.14	ng/ul	95
22) Fluorene	15.45	166	331496	19.89	ng/ul	97
25) Phenanthrene	17.19	178	474750	19.94	ng/ul	98
27) Anthracene	17.28	178	483967	20.01	ng/ul	98
28) Fluoranthene	19.20	202	493675	20.29	ng/ul	99
31) Pyrene	19.57	202	508302	19.46	ng/ul	97
32) Benzo(a)anthracene	21.31	228	481187	19.82	ng/ul	98
33) Chrysene	21.36	228	455235	19.84	ng/ul	99
35) Benzo(b)fluoranthene	22.90	252	494647	19.99	ng/ul	99
36) Benzo(k)fluoranthene	22.95	252	449237	19.35	ng/ul	99
38) Benzo(a)pyrene	23.49	252	469571	19.72	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.87	276	568631	20.18	ng/ul#	90
40) Dibenzo(a,h)anthracene	25.88	278	482049	20.39	ng/ul	97
41) Benzo(g,h,i)perylene	26.57	276	472229	19.98	ng/ul#	94

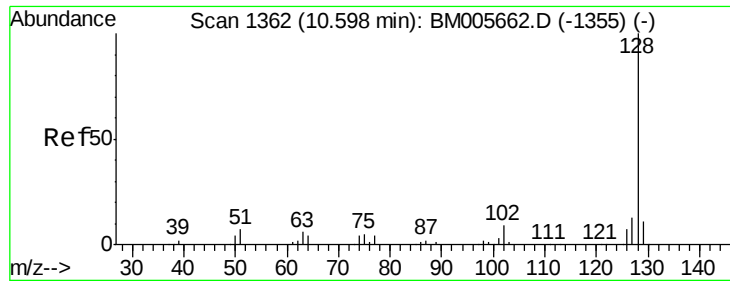
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060616\
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ALS Vial : 2 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SSTD02046

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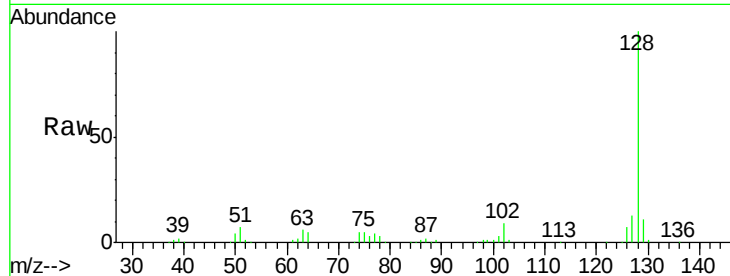




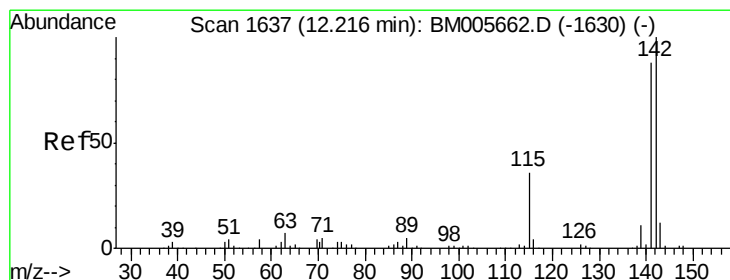
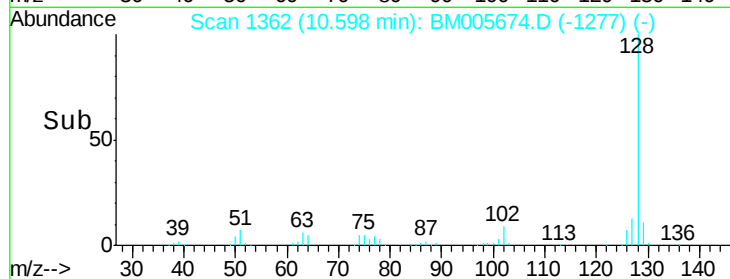
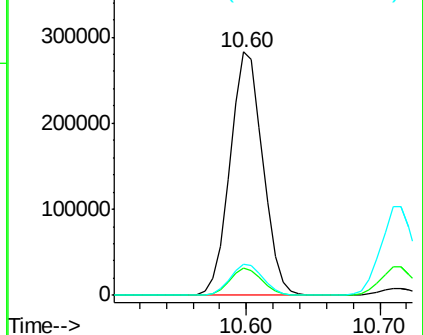
#11
Naphthalene
Concen: 19.91 ng/ul
RT: 10.60 min Scan# 1362
Delta R.T. 0.00 min
Lab File: BM005674.D
Acq: 06 Jun 2016 17:44

Instrument :
BNA_M
ClientSampleId :
SSTD02046

Tgt Ion:128 Resp: 482474
Ion Ratio Lower Upper
128 100
129 11.3 8.3 12.5
127 12.7 10.8 16.2

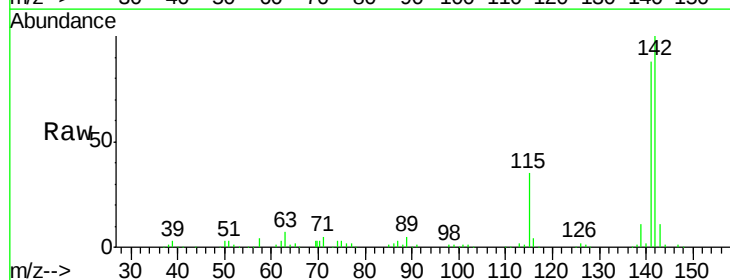


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

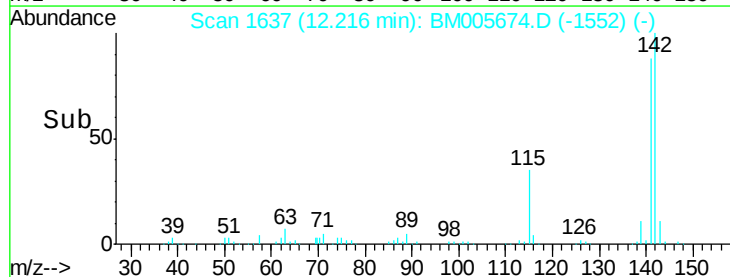
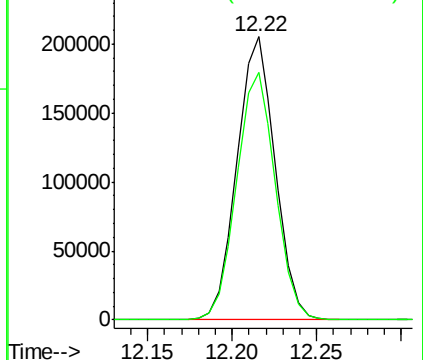


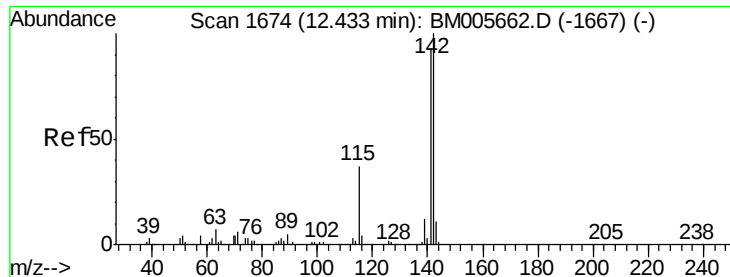
#13
2-Methylnaphthalene
Concen: 19.14 ng/ul
RT: 12.22 min Scan# 1637
Delta R.T. 0.00 min
Lab File: BM005674.D
Acq: 06 Jun 2016 17:44

Tgt Ion:142 Resp: 322345
Ion Ratio Lower Upper
142 100
141 87.7 71.3 106.9



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

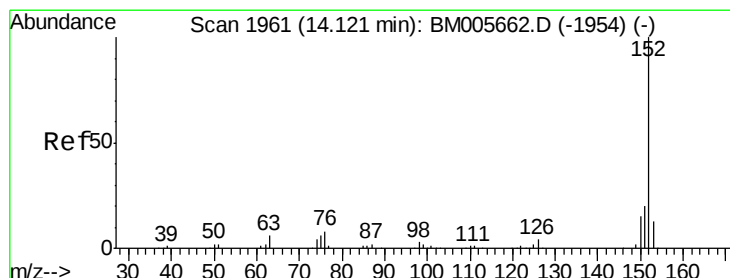
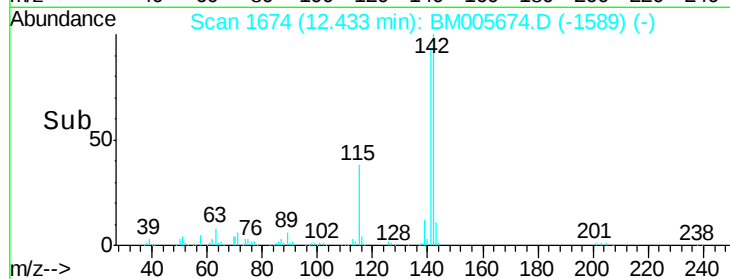
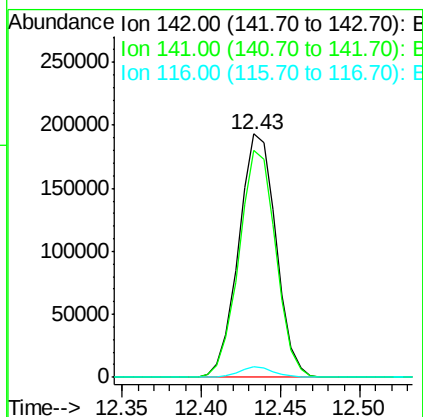
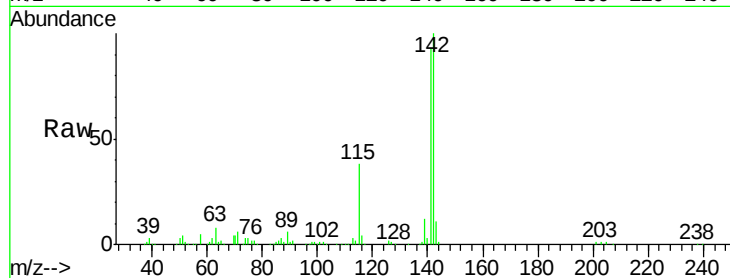




#14
1-Methylnaphthalene
Concen: 19.01 ng/ul
RT: 12.43 min Scan# 1674
Delta R.T. 0.00 min
Lab File: BM005674.D
Acq: 06 Jun 2016 17:44

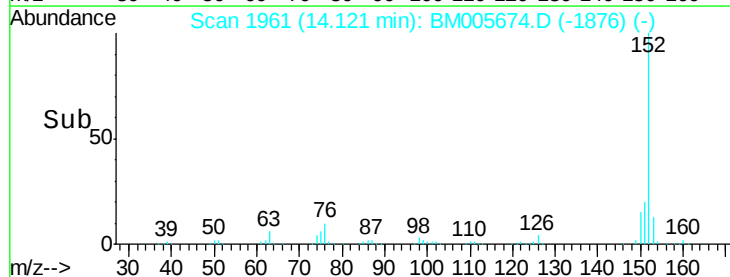
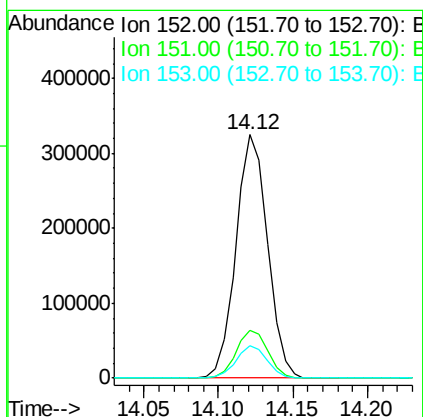
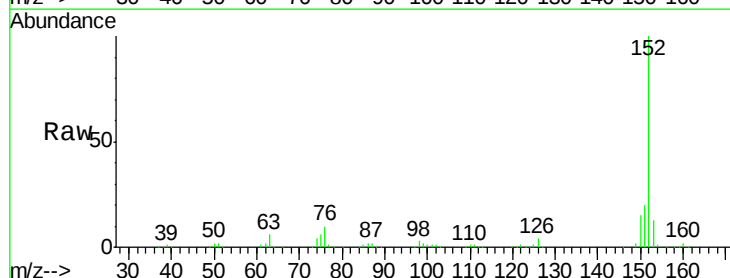
Instrument :
BNA_M
ClientSampleId :
SSTD02046

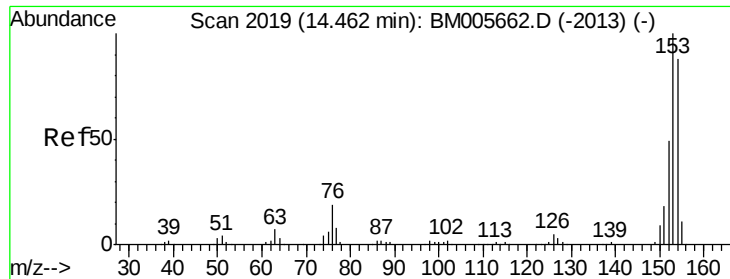
Tgt Ion:142 Resp: 315054
Ion Ratio Lower Upper
142 100
141 93.2 77.0 115.4
116 4.2 4.2 6.4#



#18
Acenaphthylene
Concen: 20.15 ng/ul
RT: 14.12 min Scan# 1961
Delta R.T. 0.00 min
Lab File: BM005674.D
Acq: 06 Jun 2016 17:44

Tgt Ion:152 Resp: 478114
Ion Ratio Lower Upper
152 100
151 19.9 17.3 25.9
153 13.2 11.1 16.7





#19

Acenaphthene

Concen: 20.14 ng/ul

RT: 14.46 min Scan# 2019

Delta R.T. 0.00 min

Lab File: BM005674.D

Acq: 06 Jun 2016 17:44

Instrument :

BNA_M

ClientSampled :

SSTD02046

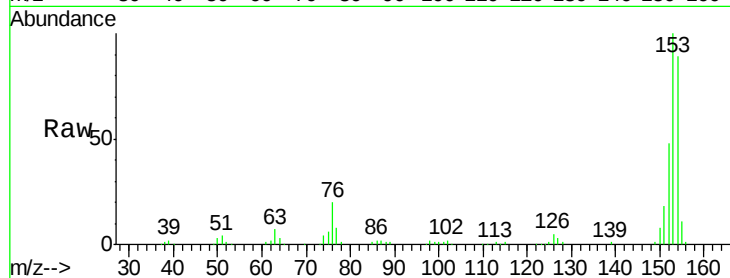
Tgt Ion:153 Resp: 310191

Ion Ratio Lower Upper

153 100

152 48.3 36.5 54.7

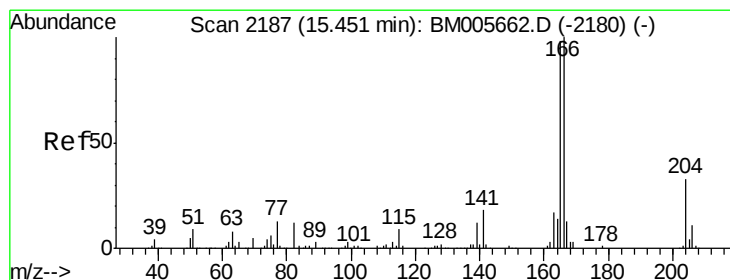
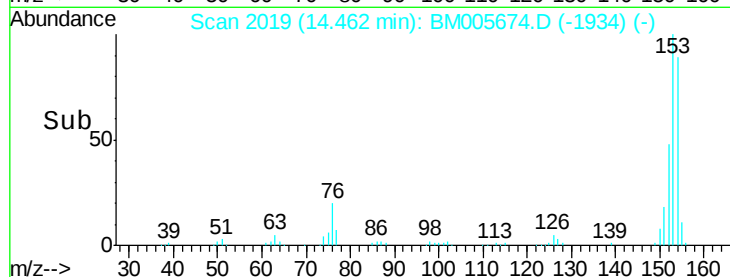
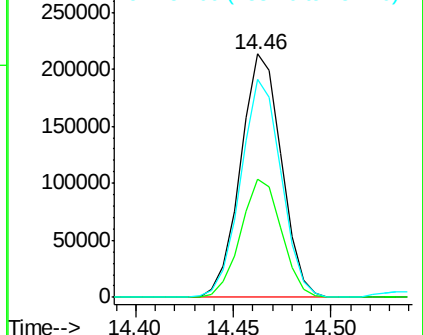
154 89.4 67.3 100.9



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: 19.89 ng/ul

RT: 15.45 min Scan# 2187

Delta R.T. 0.00 min

Lab File: BM005674.D

Acq: 06 Jun 2016 17:44

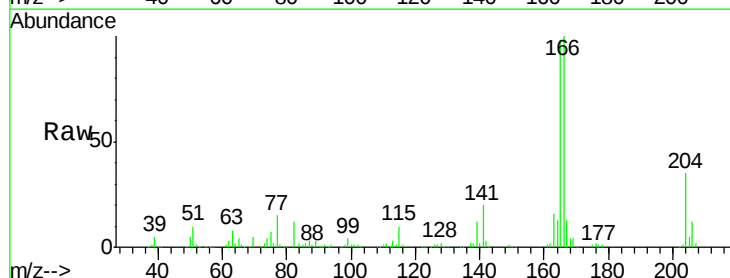
Tgt Ion:166 Resp: 331496

Ion Ratio Lower Upper

166 100

165 98.0 81.1 121.7

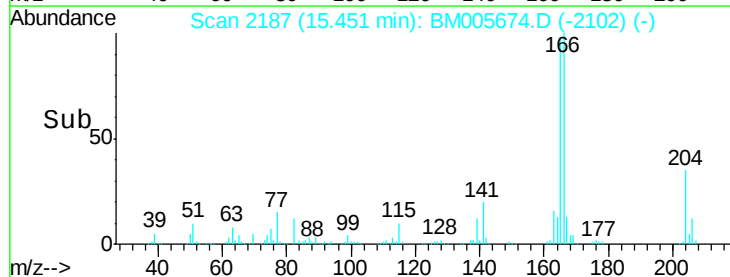
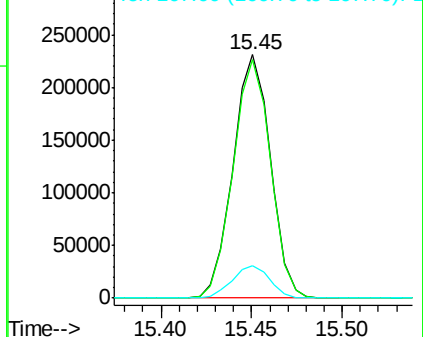
167 13.1 10.6 16.0

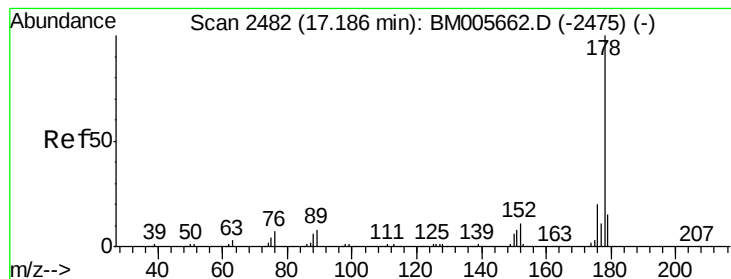


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 19.94 ng/ul

RT: 17.19 min Scan# 2482

Delta R.T. 0.00 min

Lab File: BM005674.D

Acq: 06 Jun 2016 17:44

Instrument :

BNA_M

ClientSampleId :

SSTD02046

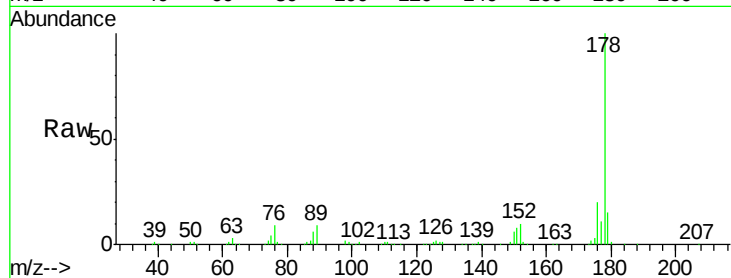
Tgt Ion:178 Resp: 474750

Ion Ratio Lower Upper

178 100

179 15.4 11.8 17.8

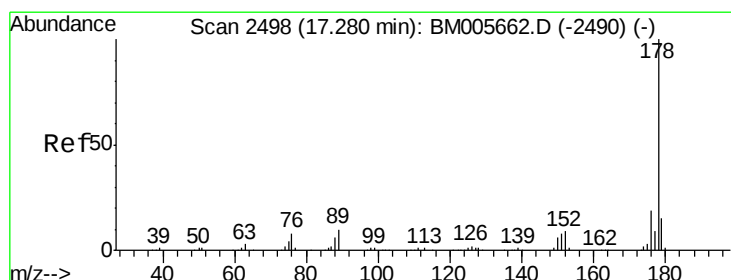
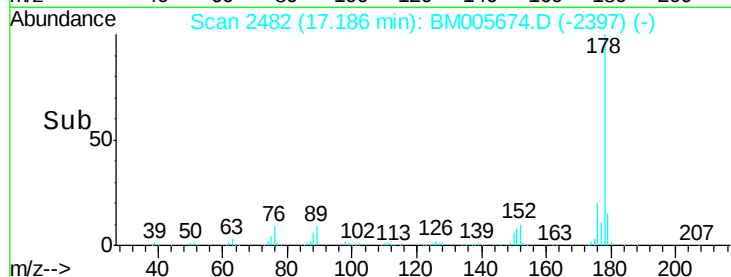
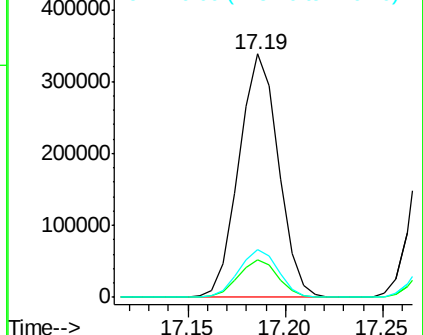
176 19.7 14.8 22.2



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: 20.01 ng/ul

RT: 17.28 min Scan# 2498

Delta R.T. 0.00 min

Lab File: BM005674.D

Acq: 06 Jun 2016 17:44

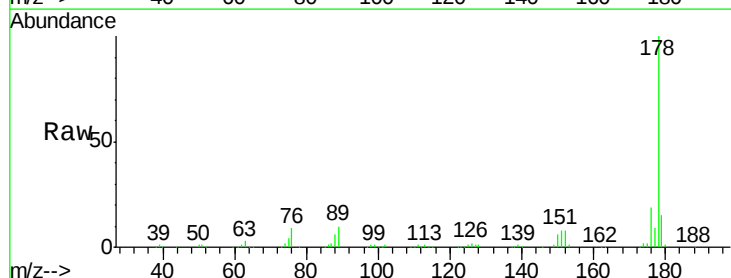
Tgt Ion:178 Resp: 483967

Ion Ratio Lower Upper

178 100

179 15.1 12.9 19.3

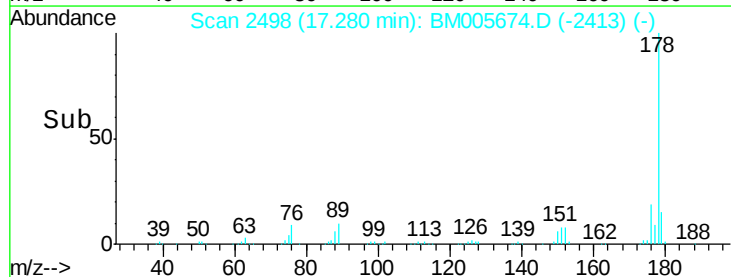
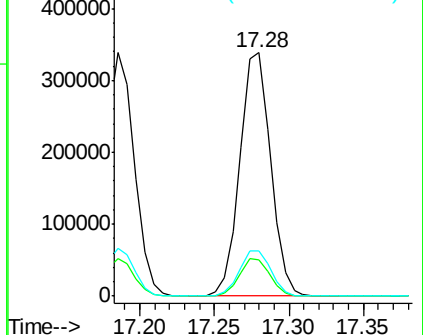
176 18.8 15.6 23.4

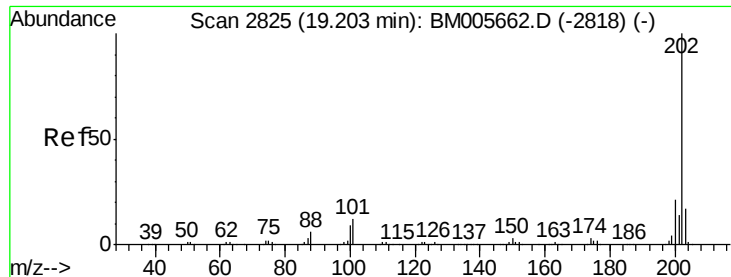


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 20.29 ng/ul

RT: 19.20 min Scan# 2825

Delta R.T. 0.00 min

Lab File: BM005674.D

Acq: 06 Jun 2016 17:44

Instrument :

BNA_M

ClientSampleId :

SSTD02046

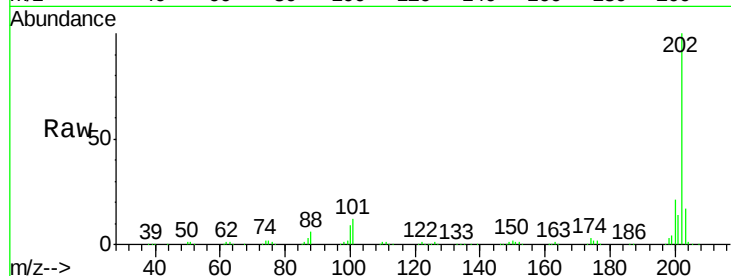
Tgt Ion:202 Resp: 493675

Ion Ratio Lower Upper

202 100

101 11.8 8.9 13.3

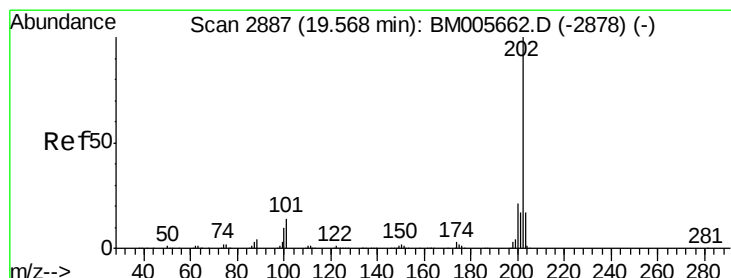
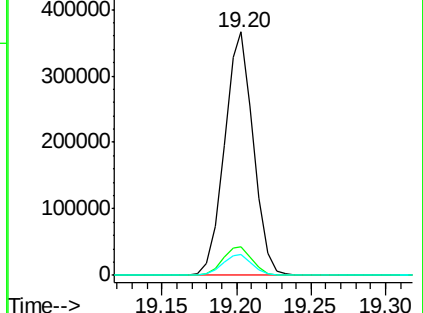
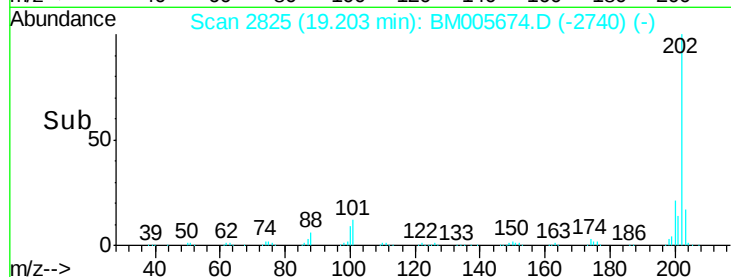
100 8.7 7.0 10.4



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: 19.46 ng/ul

RT: 19.57 min Scan# 2887

Delta R.T. 0.00 min

Lab File: BM005674.D

Acq: 06 Jun 2016 17:44

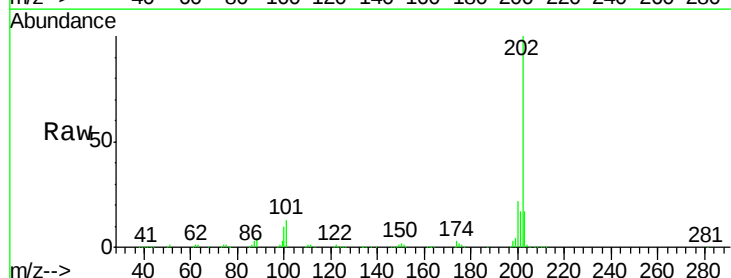
Tgt Ion:202 Resp: 508302

Ion Ratio Lower Upper

202 100

101 13.1 9.8 14.8

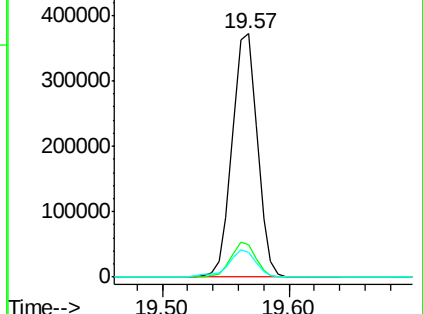
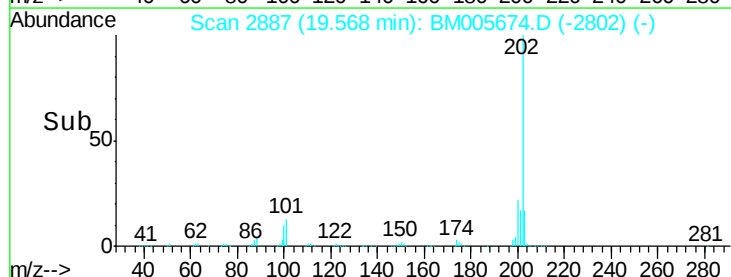
100 10.4 9.3 13.9

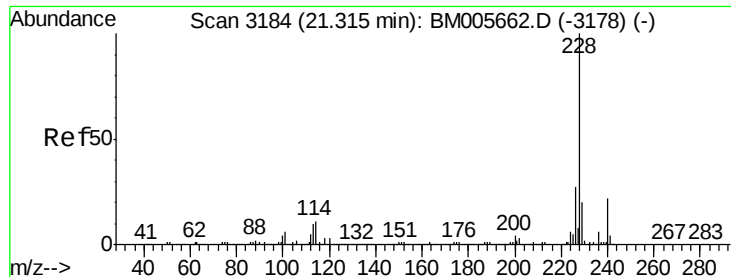


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 19.82 ng/ul

RT: 21.31 min Scan# 3183

Delta R.T. -0.01 min

Lab File: BM005674.D

Acq: 06 Jun 2016 17:44

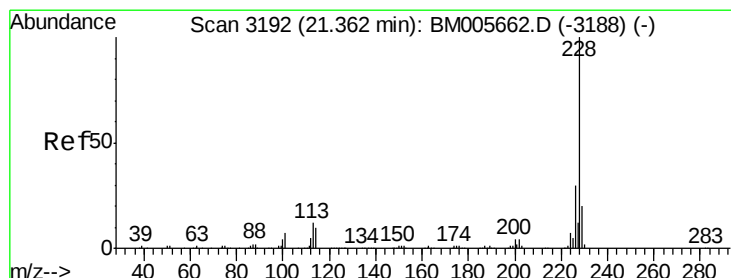
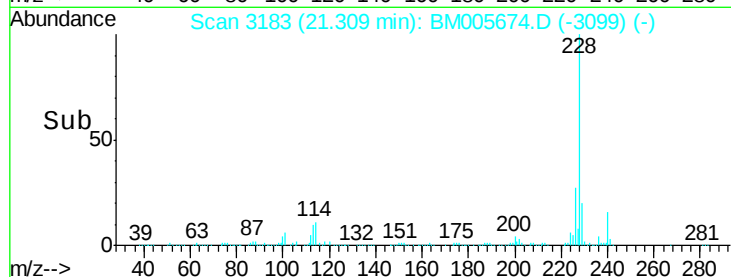
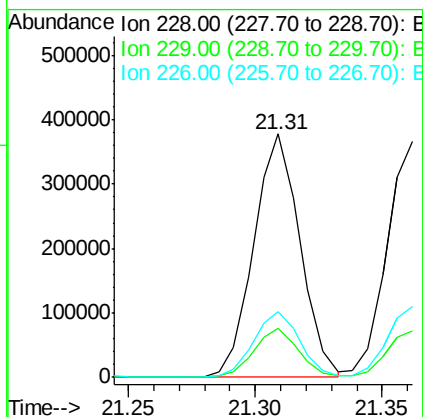
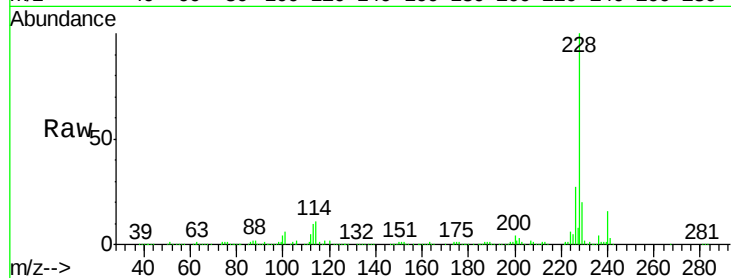
Instrument :

BNA_M

ClientSampleId :

SSTD02046

Tgt Ion:	228	Resp:	481187
Ion	Ratio	Lower	Upper
228	100		
229	20.0	16.6	25.0
226	27.1	21.0	31.4



#33

Chrysene

Concen: 19.84 ng/ul

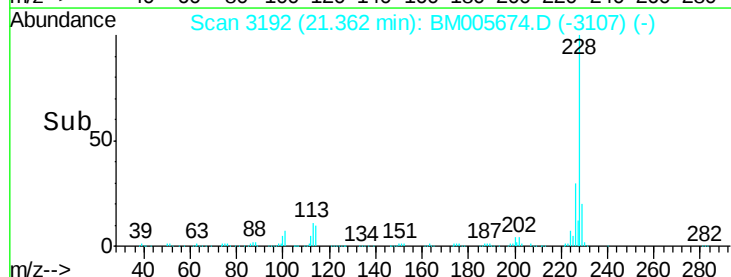
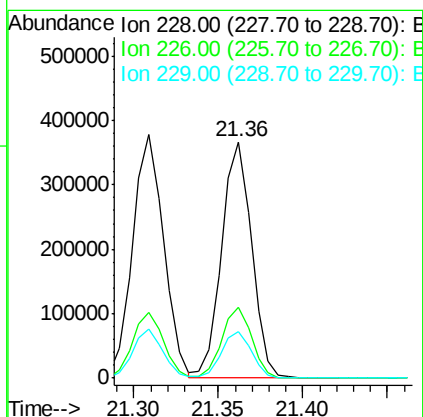
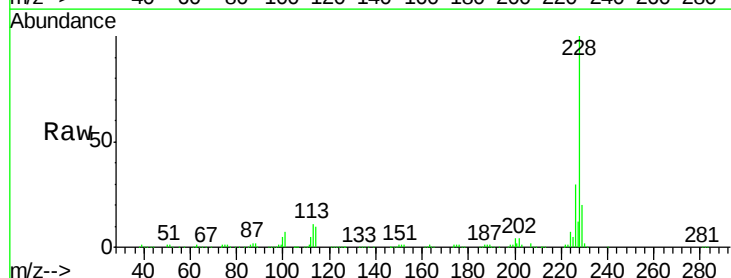
RT: 21.36 min Scan# 3192

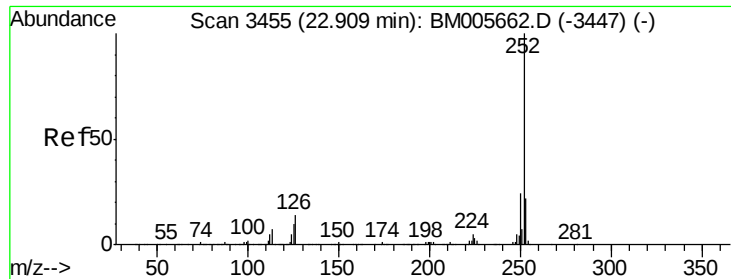
Delta R.T. 0.00 min

Lab File: BM005674.D

Acq: 06 Jun 2016 17:44

Tgt Ion:	228	Resp:	455235
Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.4	35.2
229	19.7	16.2	24.2





#35

Benzo(b)fluoranthene

Concen: 19.99 ng/ul

RT: 22.90 min Scan# 3454

Delta R.T. -0.01 min

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Acq: 06 Jun 2016 17:44

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SSTD02046

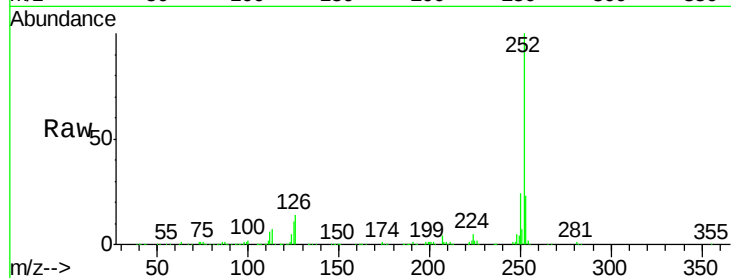
Tgt Ion:252 Resp: 494647

Ion Ratio Lower Upper

252 100

253 22.6 18.1 27.1

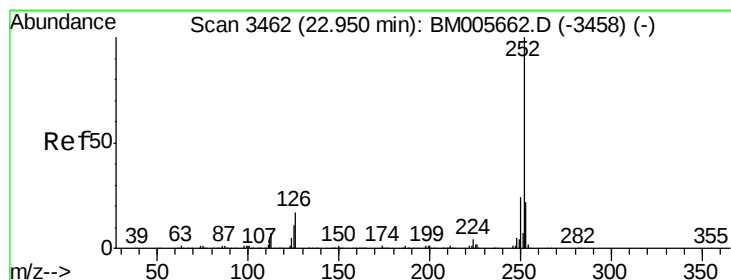
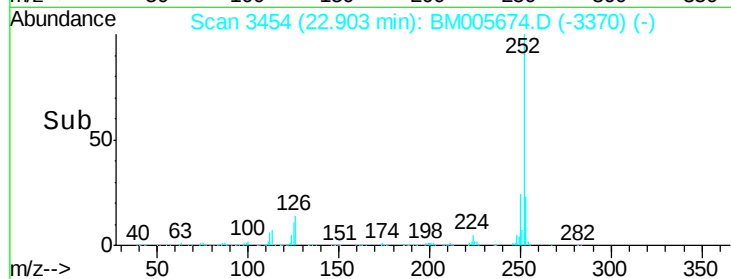
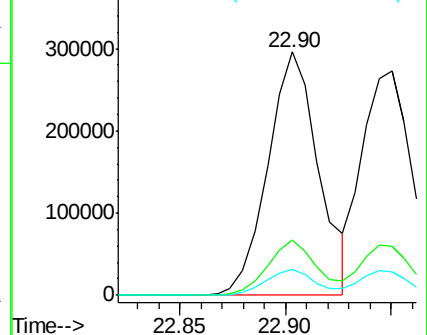
125 10.5 7.6 11.4



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



#36

Benzo(k)fluoranthene

Concen: 19.35 ng/ul

RT: 22.95 min Scan# 3462

Delta R.T. 0.00 min

Lab File: BM005674.D

Acq: 06 Jun 2016 17:44

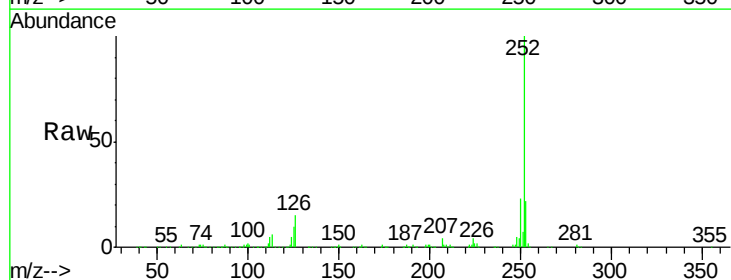
Tgt Ion:252 Resp: 449237

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.8

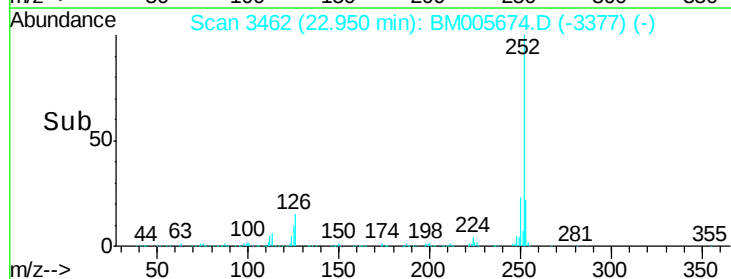
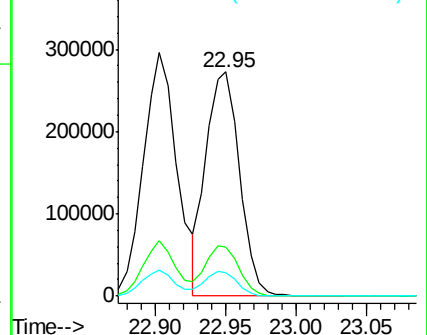
125 10.3 7.7 11.5

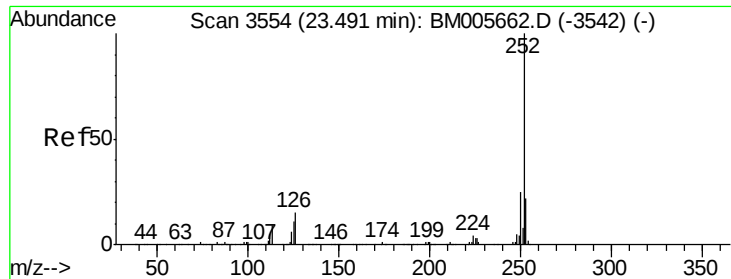


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 19.72 ng/ul

RT: 23.49 min Scan# 3553

Delta R.T. -0.01 min

Lab File: BM005674.D

Acq: 06 Jun 2016 17:44

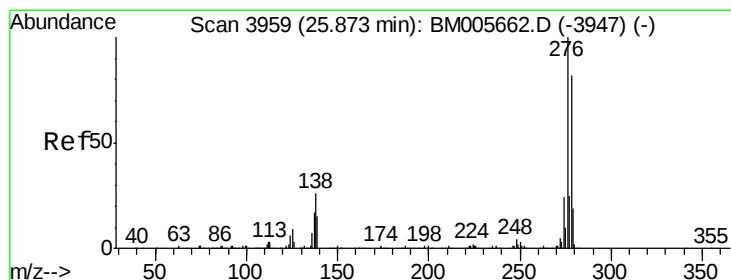
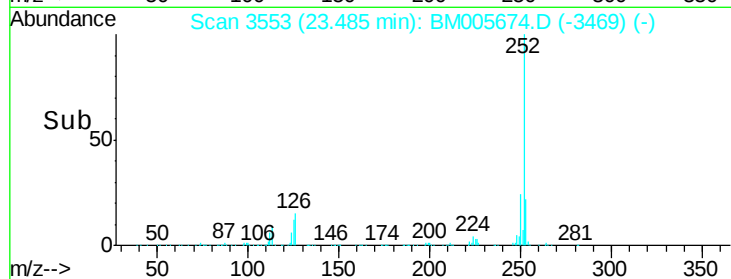
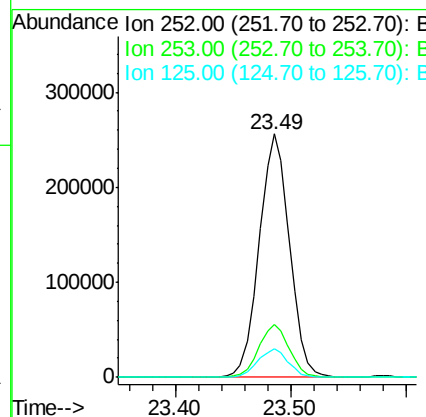
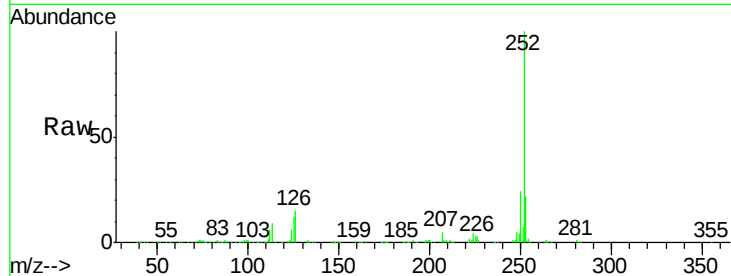
Instrument :

BNA_M

ClientSampleId :

SSTD02046

Tgt Ion:	252	Resp:	469571
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.4	26.0
125	11.6	8.2	12.2



#39

Indeno(1,2,3-cd)pyrene

Concen: 20.18 ng/ul

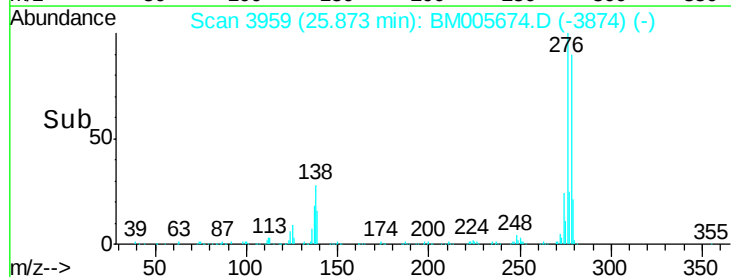
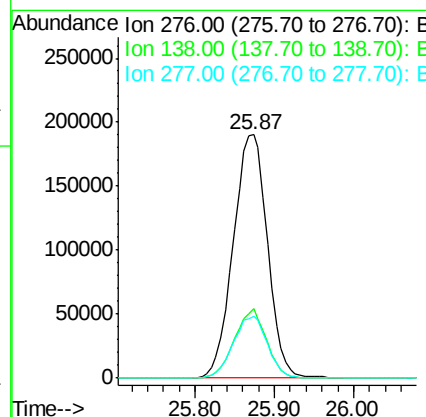
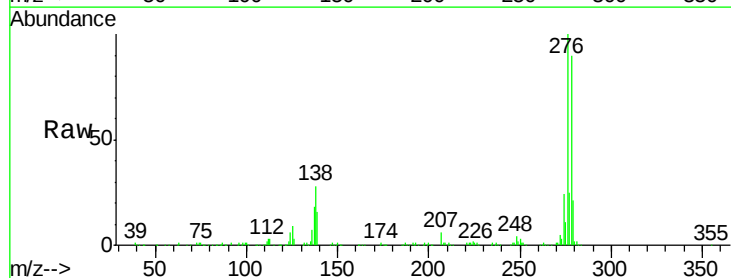
RT: 25.87 min Scan# 3959

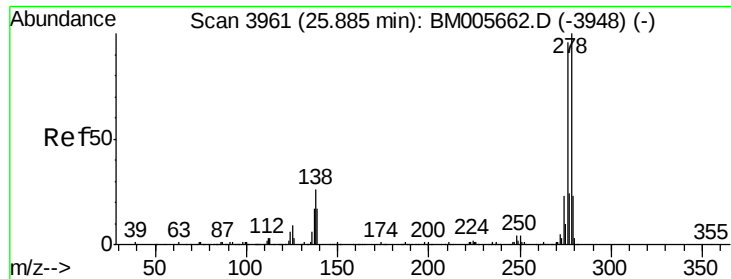
Delta R.T. 0.00 min

Lab File: BM005674.D

Acq: 06 Jun 2016 17:44

Tgt Ion:	276	Resp:	568631
Ion Ratio	Lower	Upper	
276	100		
138	28.3	15.8	23.6#
277	25.5	19.0	28.6





#40

Dibenzo(a,h)anthracene

Concen: 20.39 ng/ul

RT: 25.88 min Scan# 3960

Delta R.T. -0.01 min

Lab File: BM005674.D

Acq: 06 Jun 2016 17:44

Instrument :

BNA_M

ClientSampleId :

SSTD02046

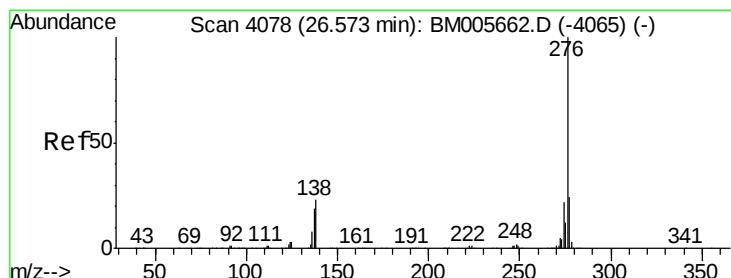
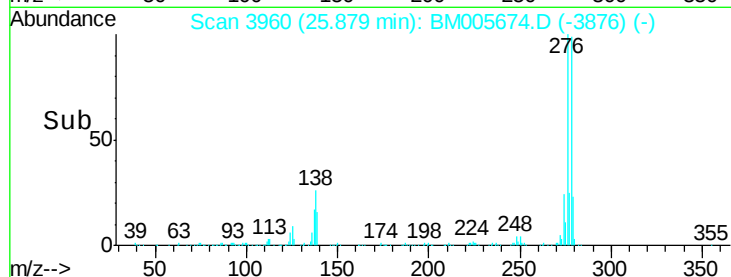
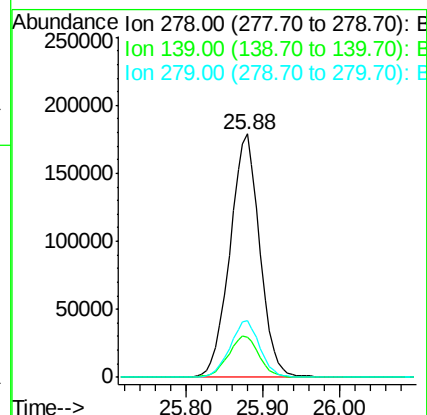
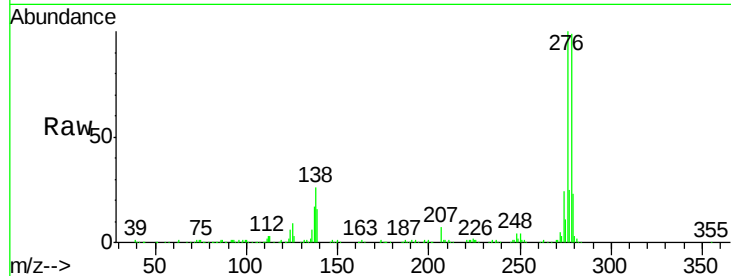
Tgt Ion:278 Resp: 482049

Ion Ratio Lower Upper

278 100

139 16.4 12.1 18.1

279 23.1 19.8 29.8



#41

Benzo(g,h,i)perylene

Concen: 19.98 ng/ul

RT: 26.57 min Scan# 4077

Delta R.T. -0.01 min

Lab File: BM005674.D

Acq: 06 Jun 2016 17:44

Tgt Ion:276 Resp: 472229

Ion Ratio Lower Upper

276 100

138 23.3 13.9 20.9#

277 23.9 19.8 29.6

