

Data Path : Z:\HPCHEM1\BNA_M\Data\BM060616\
 Data File : BM005662.D
 Acq On : 06 Jun 2016 09:43
 Operator : UM/SJ
 Sample : SSTDC0020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 SSTD02045

Quant Time: Jun 07 04:22:44 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM060216.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 02 16:49:36 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	100261	20.00	ng/ul	0.00
7) Naphthalene-d8	10.55	136	486075	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.40	164	287536	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.14	188	636352	20.00	ng/ul	0.00
29) Chrysene-d12	21.33	240	678424	20.00	ng/ul	0.00
34) Perylene-d12	23.59	264	621980	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.22	96	18453	7.74	ng/uL	0.00
3) Phenol-d5	6.93	99	186518	21.16	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.09	67	112625	21.00	ng/ul	0.00
5) 2-Chlorophenol-d4	7.29	132	149139	20.51	ng/ul	0.00
6) 4-Methylphenol-d8	8.47	113	153516	22.02	ng/ul	0.00
8) Nitrobenzene-d5	8.92	128	73952	19.81	ng/ul	0.00
9) 2-Nitrophenol-d4	9.64	143	78932	19.76	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.18	165	144809	20.40	ng/ul	0.00
12) 4-Chloroaniline-d4	10.69	131	208316	24.70	ng/ul	0.00
16) Dimethylphthalate-d6	13.81	166	461959	20.90	ng/ul	0.00
17) Acenaphthylene-d8	14.09	160	577701	20.09	ng/ul	0.00
20) 4-Nitrophenol-d4	14.62	143	69936	22.09	ng/ul	0.00
21) Fluorene-d10	15.39	176	400091	21.07	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.53	200	57293	19.12	ng/ul	0.00
26) Anthracene-d10	17.24	188	609661	20.17	ng/ul	0.00
30) Pyrene-d10	19.54	212	640439	18.78	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.44	264	571007	19.95	ng/ul	0.00

Target Compounds

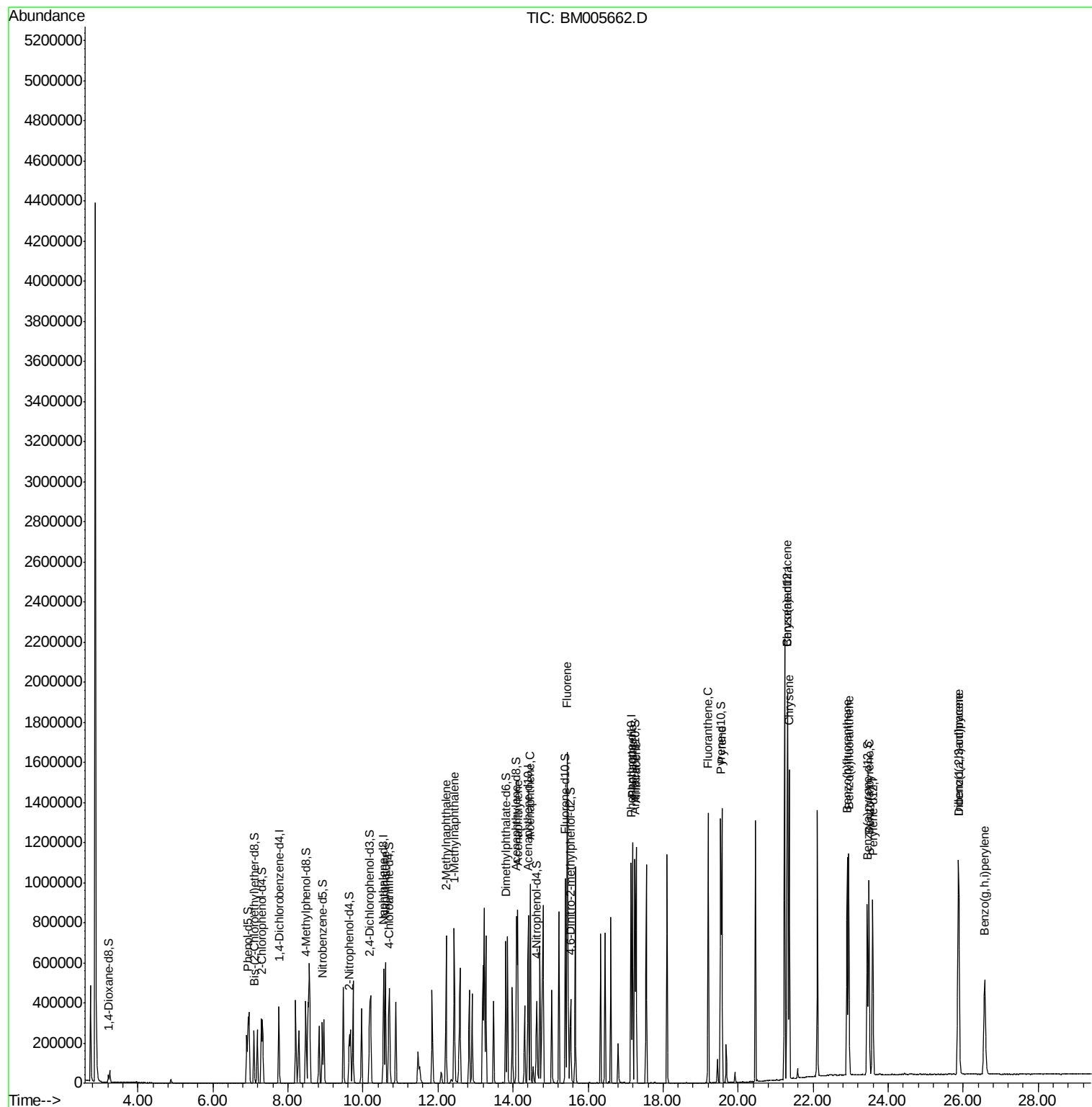
						Qvalue
11) Naphthalene	10.60	128	492638	19.94	ng/ul	98
13) 2-Methylnaphthalene	12.22	142	358732	20.89	ng/ul	99
14) 1-Methylnaphthalene	12.43	142	354685	20.99	ng/ul#	96
18) Acenaphthylene	14.12	152	599419	20.15	ng/ul	97
19) Acenaphthene	14.46	153	389300	20.16	ng/ul	95
22) Fluorene	15.45	166	445292	21.31	ng/ul	97
25) Phenanthrene	17.19	178	698282	19.88	ng/ul	98
27) Anthracene	17.28	178	713018	19.98	ng/ul	99
28) Fluoranthene	19.20	202	782867	21.81	ng/ul	99
31) Pyrene	19.57	202	814740	19.03	ng/ul	97
32) Benzo(a)anthracene	21.31	228	799670	20.10	ng/ul	98
33) Chrysene	21.36	228	745948	19.84	ng/ul	99
35) Benzo(b)fluoranthene	22.91	252	739583	19.72	ng/ul	98
36) Benzo(k)fluoranthene	22.95	252	746215	21.20	ng/ul	98
38) Benzo(a)pyrene	23.49	252	719002	19.91	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.87	276	732732	17.15	ng/ul#	92
40) Dibenzo(a,h)anthracene	25.89	278	616232	17.19	ng/ul	96
41) Benzo(g,h,i)perylene	26.57	276	587151	16.38	ng/ul#	94

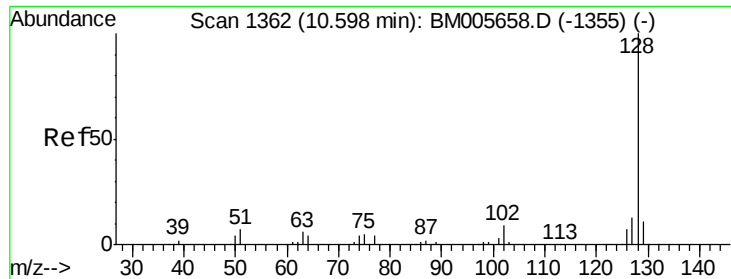
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\Data\BM060616\
Data File : BM005662.D
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Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD02045

Quant Time: Jun 07 04:22:44 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM060216.M
Quant Title : SVOA CALIBRATION
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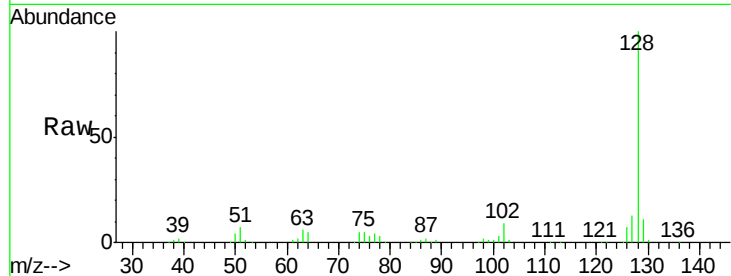




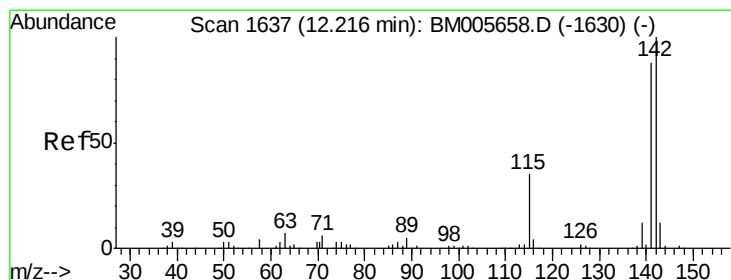
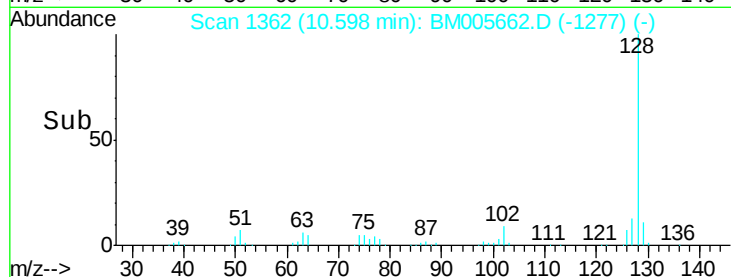
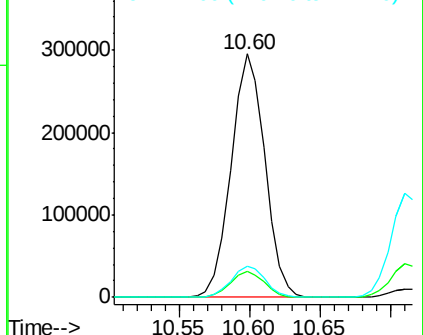
#11
Naphthalene
Concen: 19.94 ng/ul
RT: 10.60 min Scan# 1362
Delta R.T. -0.00 min
Lab File: BM005662.D
Acq: 06 Jun 2016 09:43

Instrument :
BNA_M
ClientSampleId :
SSTD02045

Tgt Ion:128 Resp: 492638
Ion Ratio Lower Upper
128 100
129 10.9 8.3 12.5
127 12.8 10.8 16.2

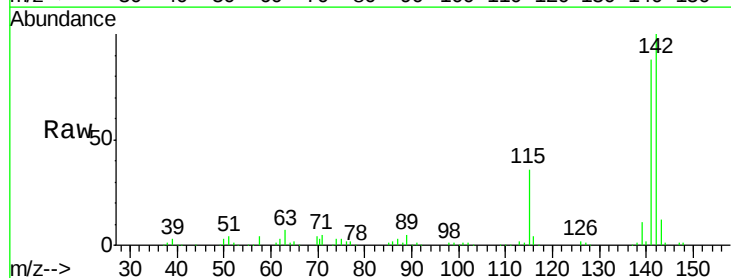


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

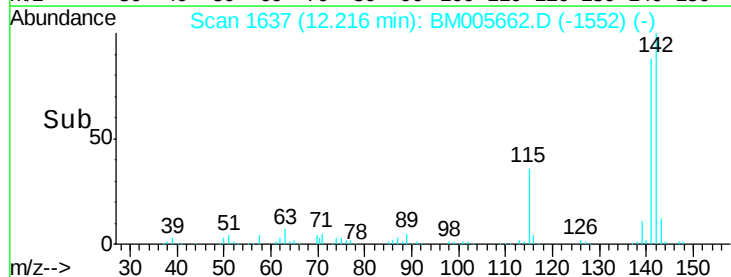
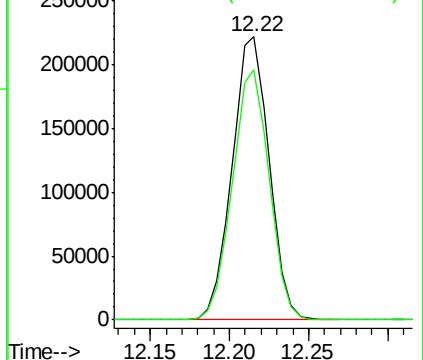


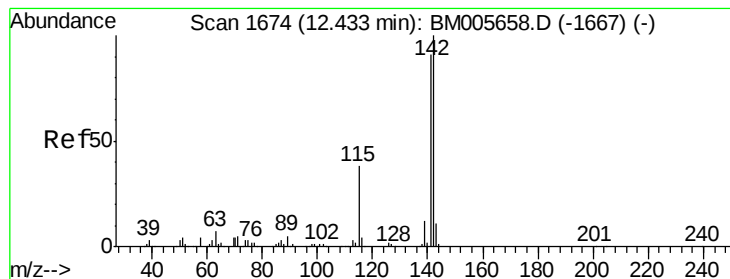
#13
2-Methylnaphthalene
Concen: 20.89 ng/ul
RT: 12.22 min Scan# 1637
Delta R.T. -0.00 min
Lab File: BM005662.D
Acq: 06 Jun 2016 09:43

Tgt Ion:142 Resp: 358732
Ion Ratio Lower Upper
142 100
141 88.3 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: 20.99 ng/ul

RT: 12.43 min Scan# 1674

Delta R.T. -0.00 min

Lab File: BM005662.D

Acq: 06 Jun 2016 09:43

Instrument :

BNA_M

ClientSampleId :

SSTD02045

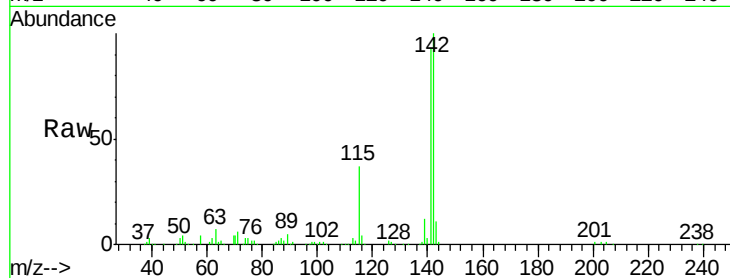
Tgt Ion:142 Resp: 354685

Ion Ratio Lower Upper

142 100

141 92.7 77.0 115.4

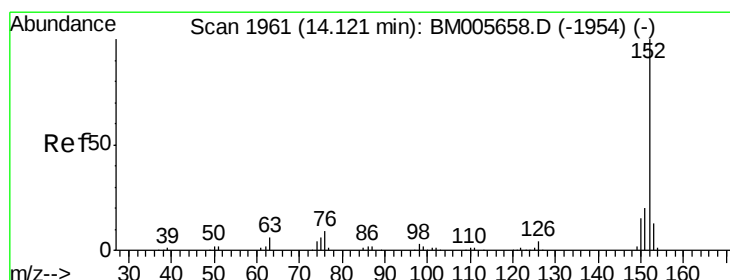
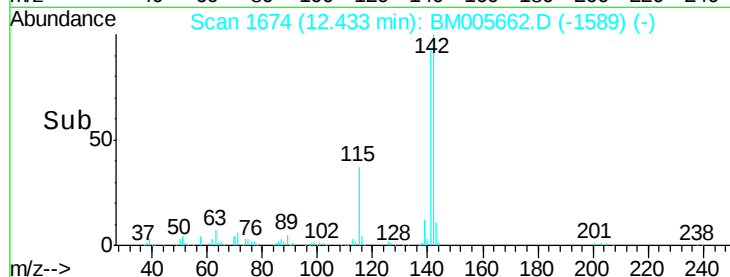
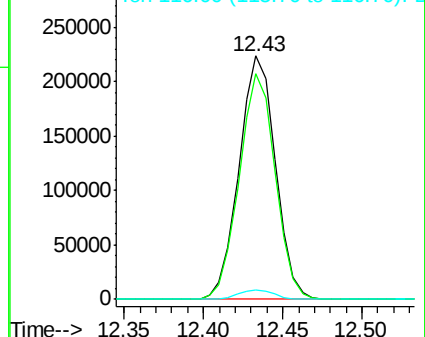
116 3.9 4.2 6.4#



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: 20.15 ng/ul

RT: 14.12 min Scan# 1961

Delta R.T. -0.00 min

Lab File: BM005662.D

Acq: 06 Jun 2016 09:43

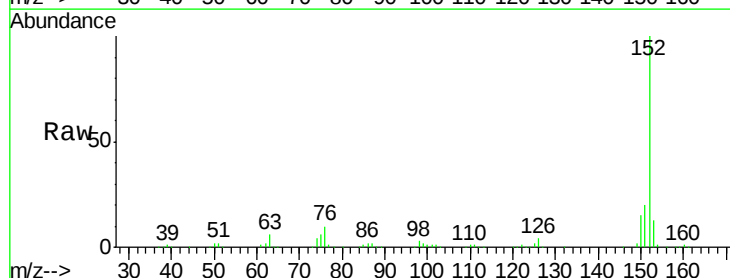
Tgt Ion:152 Resp: 599419

Ion Ratio Lower Upper

152 100

151 20.0 17.3 25.9

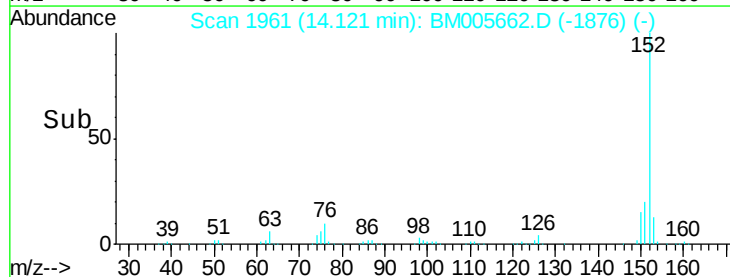
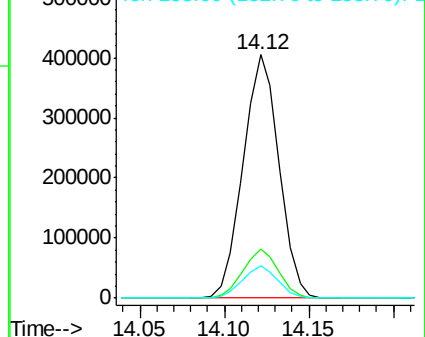
153 13.5 11.1 16.7

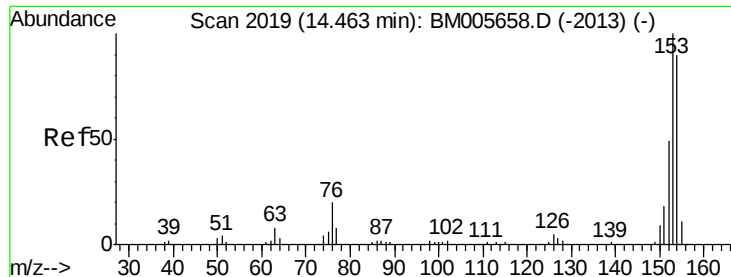


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#19

Acenaphthene

Concen: 20.16 ng/ul

RT: 14.46 min Scan# 2019

Delta R.T. -0.00 min

Lab File: BM005662.D

Acq: 06 Jun 2016 09:43

Instrument :

BNA_M

ClientSampleId :

SSTD02045

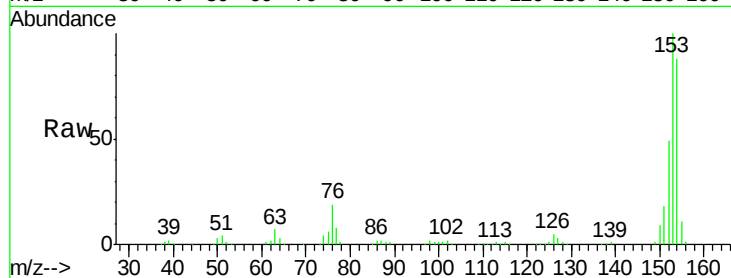
Tgt Ion:153 Resp: 389300

Ion Ratio Lower Upper

153 100

152 48.9 36.5 54.7

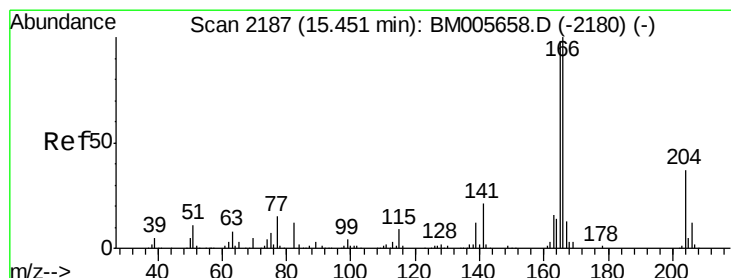
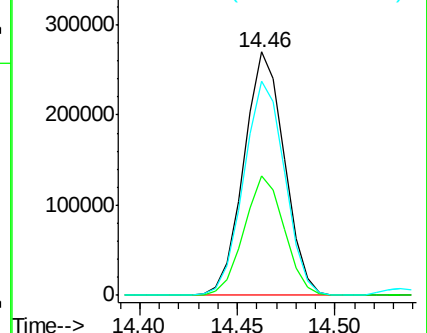
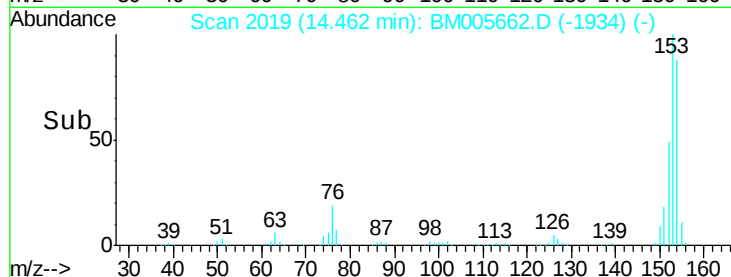
154 88.2 67.3 100.9



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: 21.31 ng/ul

RT: 15.45 min Scan# 2187

Delta R.T. -0.00 min

Lab File: BM005662.D

Acq: 06 Jun 2016 09:43

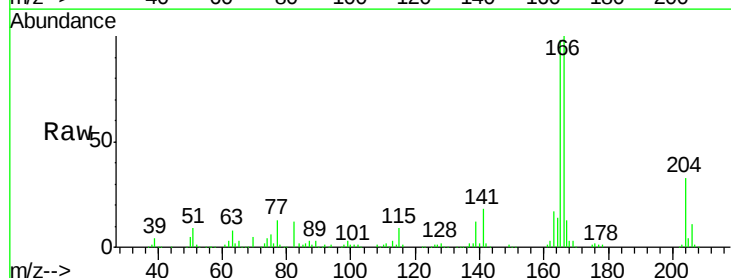
Tgt Ion:166 Resp: 445292

Ion Ratio Lower Upper

166 100

165 98.2 81.1 121.7

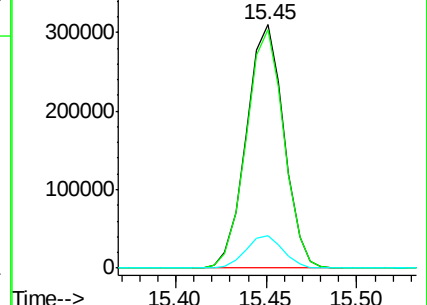
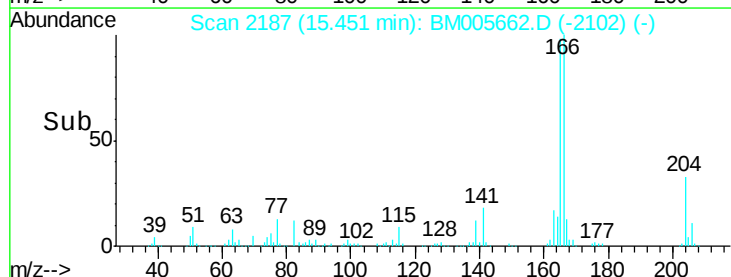
167 13.2 10.6 16.0

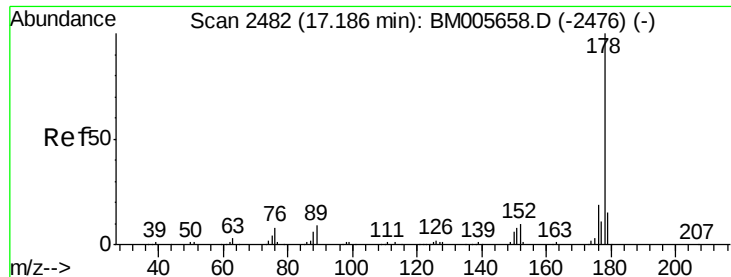


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

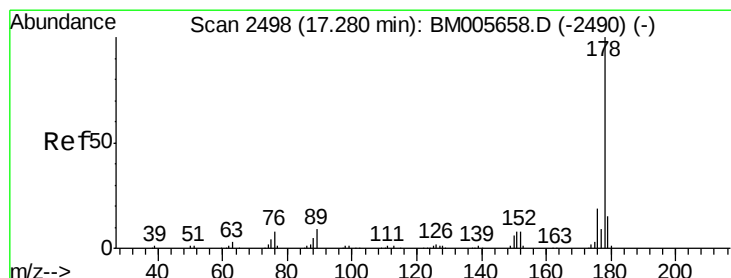
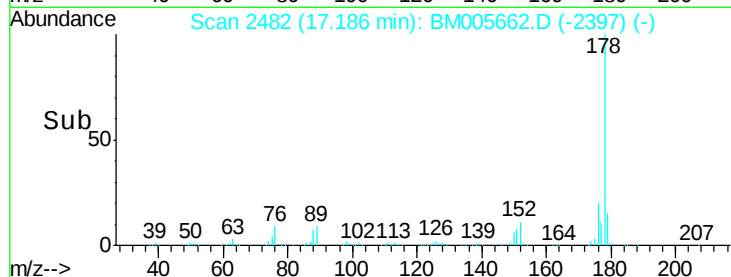
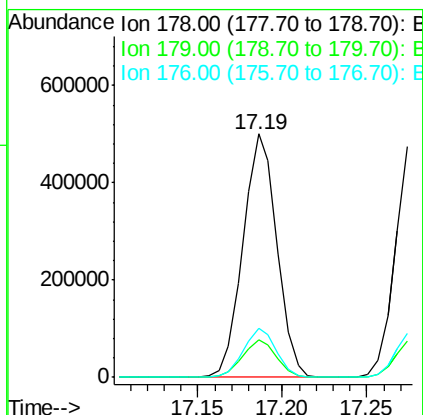
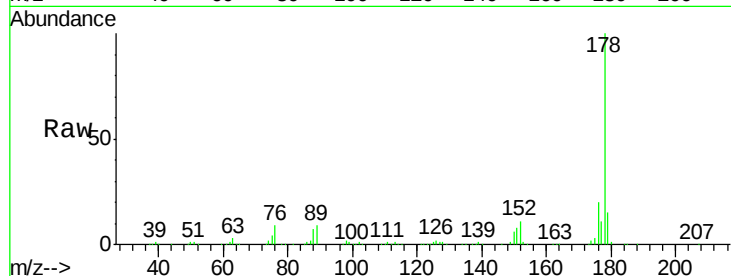




#25
Phenanthrene
Concen: 19.88 ng/ul
RT: 17.19 min Scan# 2482
Delta R.T. -0.00 min
Lab File: BM005662.D
Acq: 06 Jun 2016 09:43

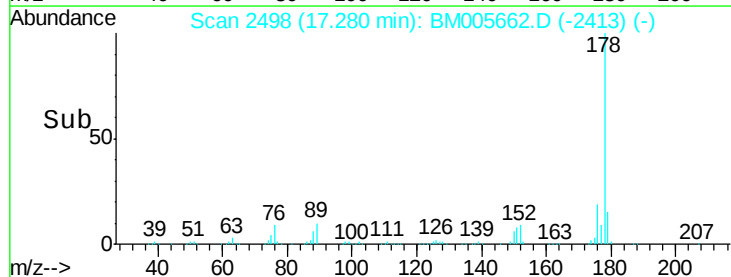
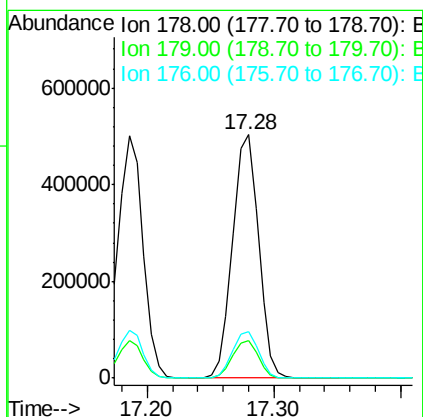
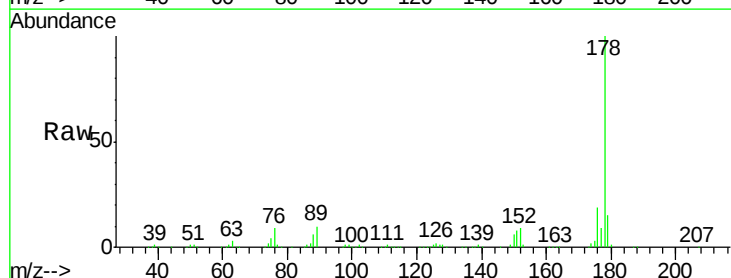
Instrument :
BNA_M
ClientSampleId :
SSTD02045

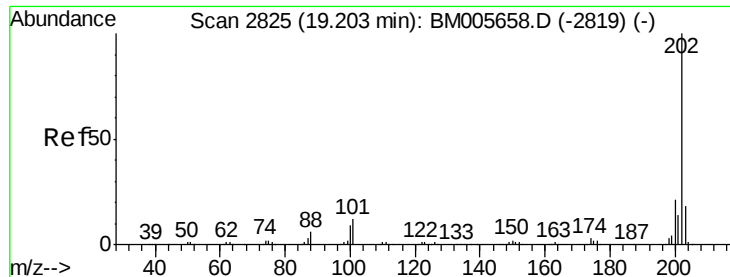
Tgt Ion:178 Resp: 698282
Ion Ratio Lower Upper
178 100
179 15.4 11.8 17.8
176 19.9 14.8 22.2



#27
Anthracene
Concen: 19.98 ng/ul
RT: 17.28 min Scan# 2498
Delta R.T. -0.00 min
Lab File: BM005662.D
Acq: 06 Jun 2016 09:43

Tgt Ion:178 Resp: 713018
Ion Ratio Lower Upper
178 100
179 15.3 12.9 19.3
176 19.2 15.6 23.4





#28

Fluoranthene

Concen: 21.81 ng/ul

RT: 19.20 min Scan# 2825

Delta R.T. -0.00 min

Lab File: BM005662.D

Acq: 06 Jun 2016 09:43

Instrument :

BNA_M

ClientSampleId :

SSTD02045

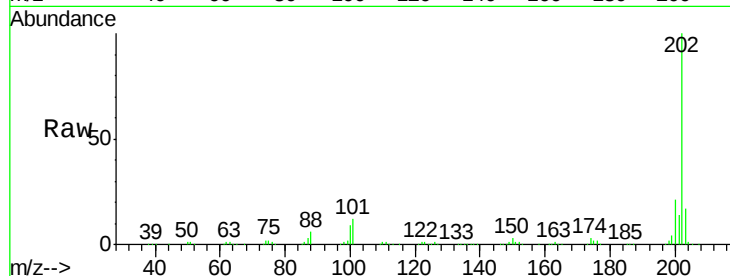
Tgt Ion:202 Resp: 782867

Ion Ratio Lower Upper

202 100

101 11.8 8.9 13.3

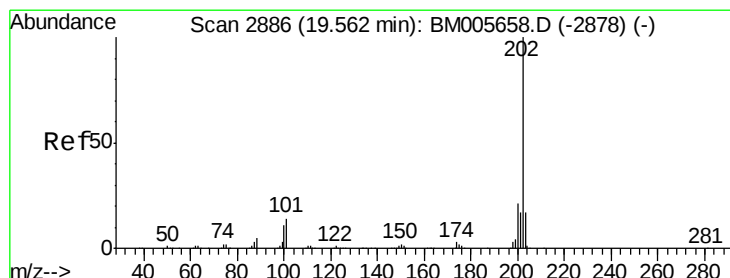
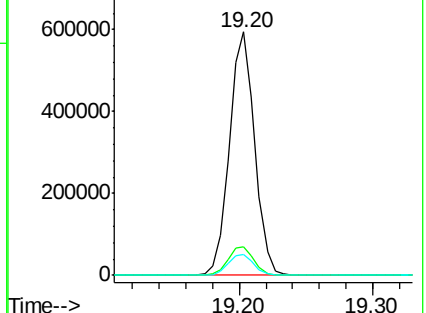
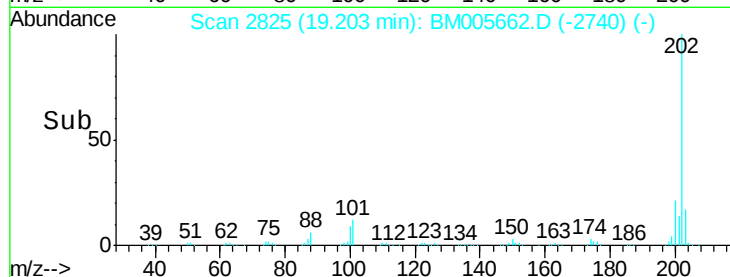
100 8.8 7.0 10.4



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: 19.03 ng/ul

RT: 19.57 min Scan# 2887

Delta R.T. 0.01 min

Lab File: BM005662.D

Acq: 06 Jun 2016 09:43

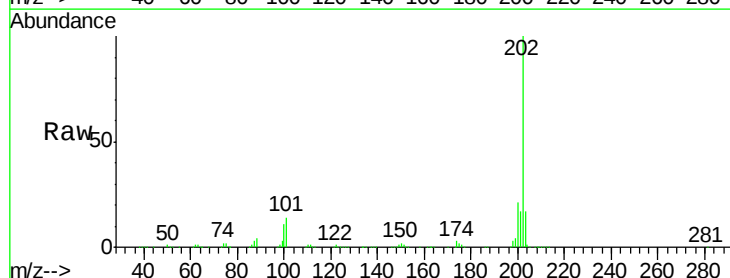
Tgt Ion:202 Resp: 814740

Ion Ratio Lower Upper

202 100

101 13.8 9.8 14.8

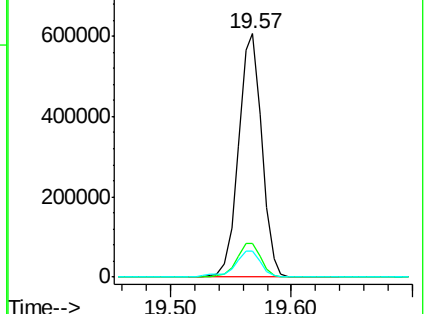
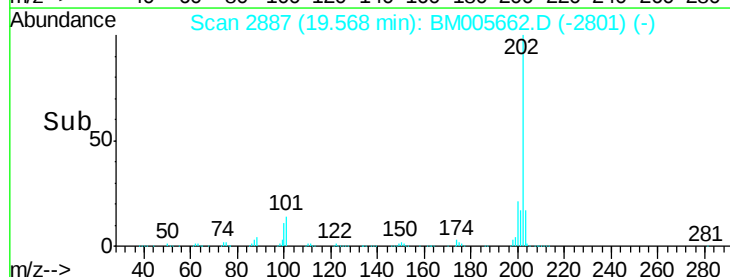
100 10.5 9.3 13.9

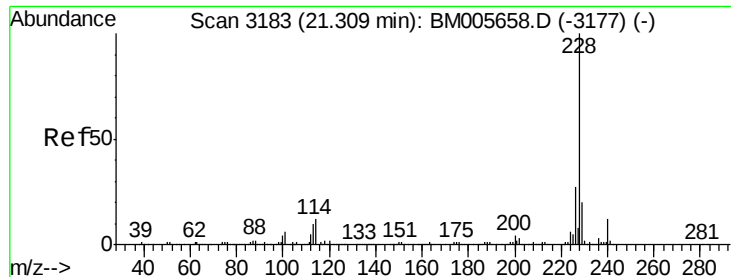


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 20.10 ng/ul

RT: 21.31 min Scan# 3184

Delta R.T. 0.01 min

Lab File: BM005662.D

Acq: 06 Jun 2016 09:43

Instrument :

BNA_M

ClientSampleId :

SSTD02045

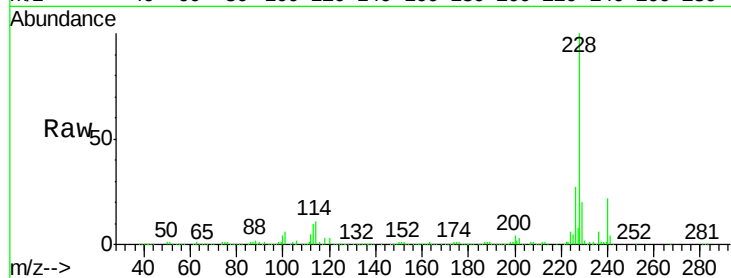
Tgt Ion:228 Resp: 799670

Ion Ratio Lower Upper

228 100

229 19.5 16.6 25.0

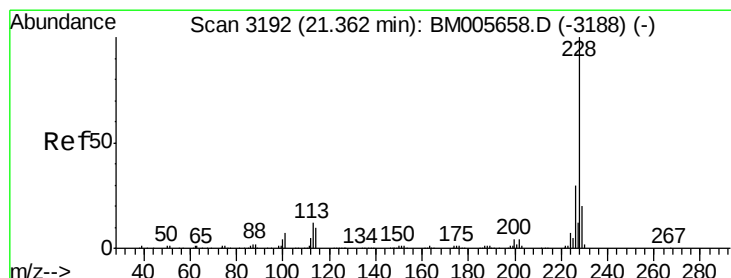
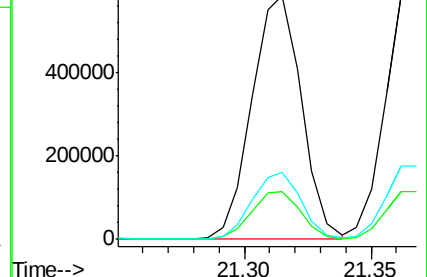
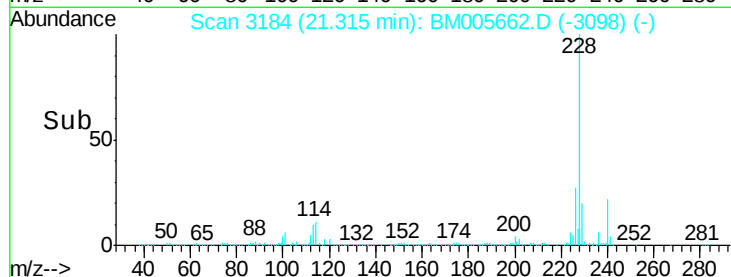
226 27.4 21.0 31.4



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: 19.84 ng/ul

RT: 21.36 min Scan# 3192

Delta R.T. -0.00 min

Lab File: BM005662.D

Acq: 06 Jun 2016 09:43

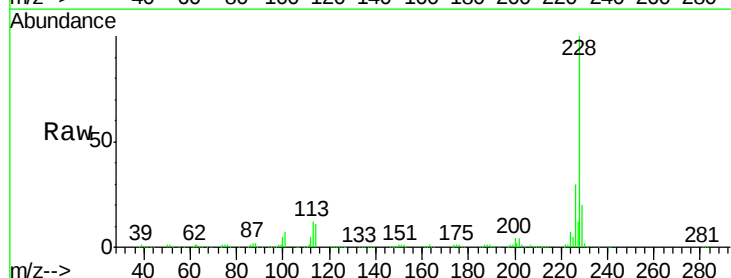
Tgt Ion:228 Resp: 745948

Ion Ratio Lower Upper

228 100

226 30.1 23.4 35.2

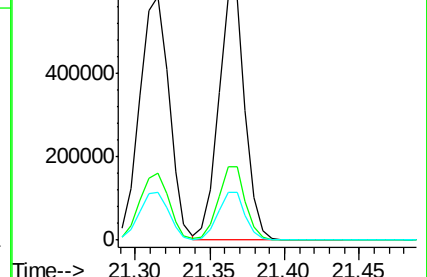
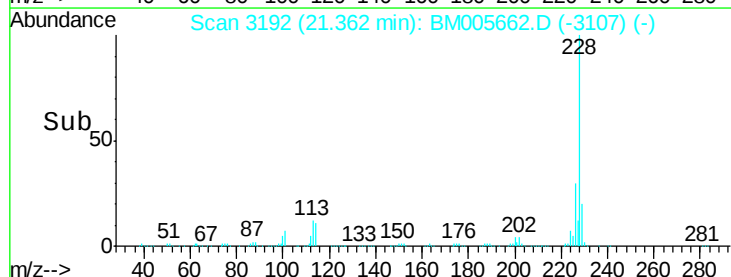
229 19.8 16.2 24.2

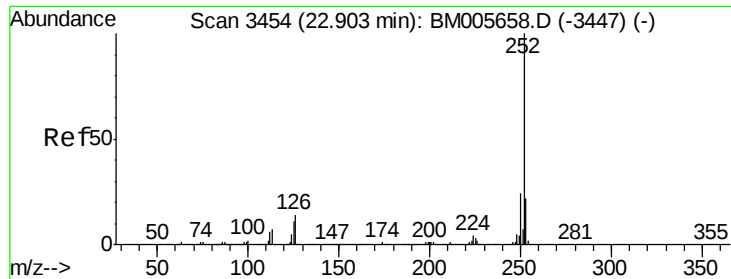


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

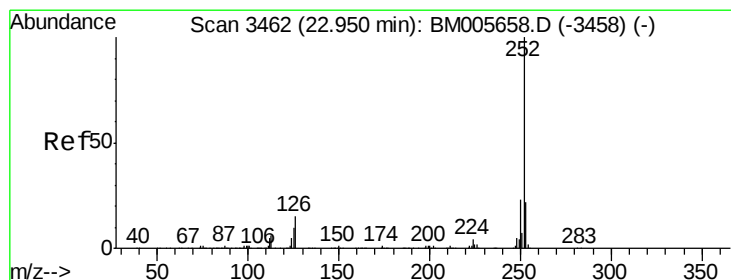
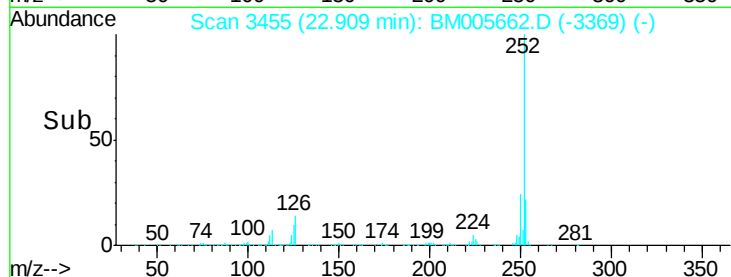
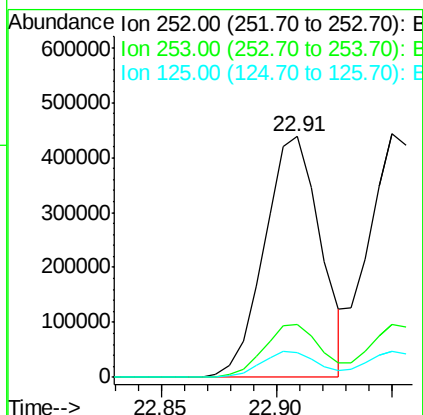
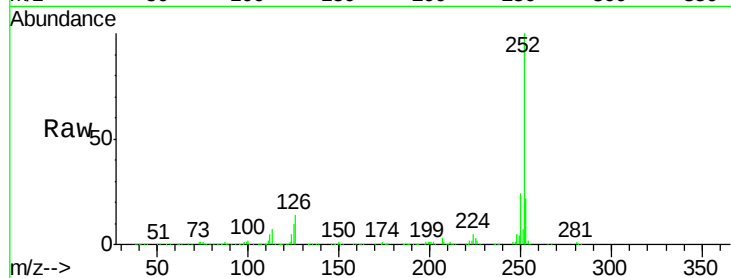




#35
Benzo(b)fluoranthene
Concen: 19.72 ng/u1
RT: 22.91 min Scan# 3455
Delta R.T. 0.01 min
Lab File: BM005662.D
Acq: 06 Jun 2016 09:43

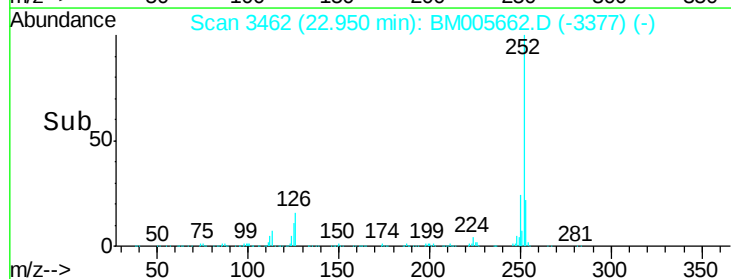
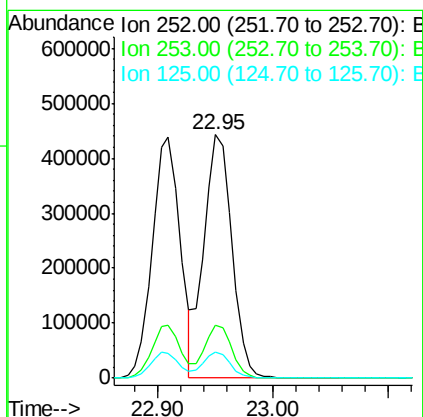
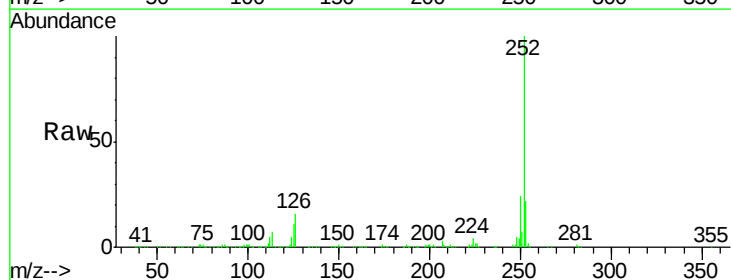
Instrument :
BNA_M
ClientSampleId :
SSTD02045

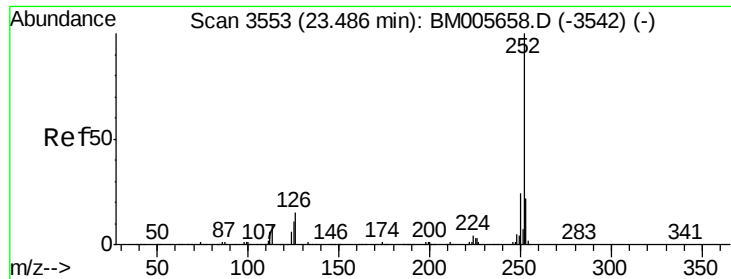
Tgt Ion:252 Resp: 739583
Ion Ratio Lower Upper
252 100
253 21.7 18.1 27.1
125 10.2 7.6 11.4



#36
Benzo(k)fluoranthene
Concen: 21.20 ng/u1
RT: 22.95 min Scan# 3462
Delta R.T. -0.00 min
Lab File: BM005662.D
Acq: 06 Jun 2016 09:43

Tgt Ion:252 Resp: 746215
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.8
125 10.7 7.7 11.5





#38

Benzo(a)pyrene

Concen: 19.91 ng/ul

RT: 23.49 min Scan# 3554

Delta R.T. 0.01 min

Lab File: BM005662.D

Acq: 06 Jun 2016 09:43

Instrument :

BNA_M

ClientSampleId :

SSTD02045

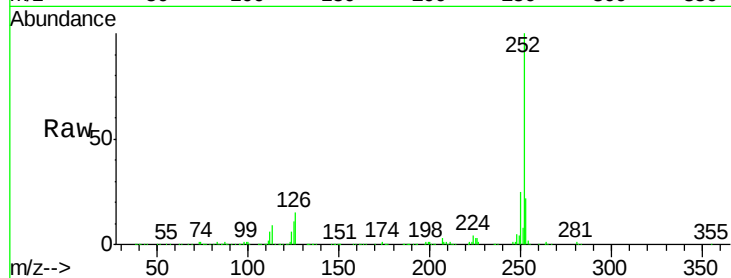
Tgt Ion:252 Resp: 719002

Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.0

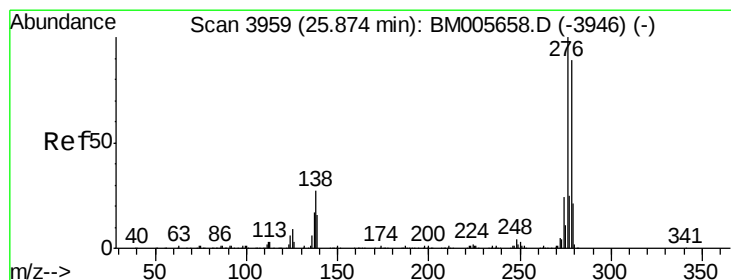
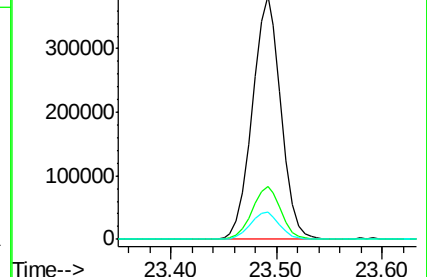
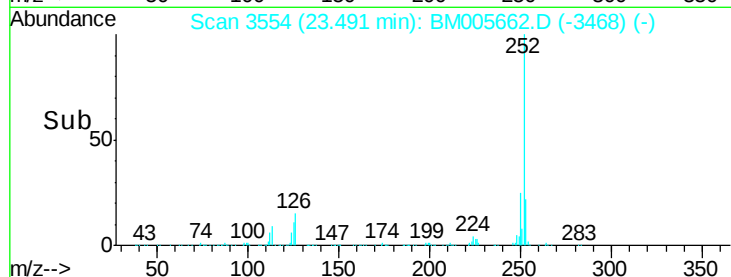
125 11.2 8.2 12.2



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



#39

Indeno(1,2,3-cd)pyrene

Concen: 17.15 ng/ul

RT: 25.87 min Scan# 3959

Delta R.T. -0.00 min

Lab File: BM005662.D

Acq: 06 Jun 2016 09:43

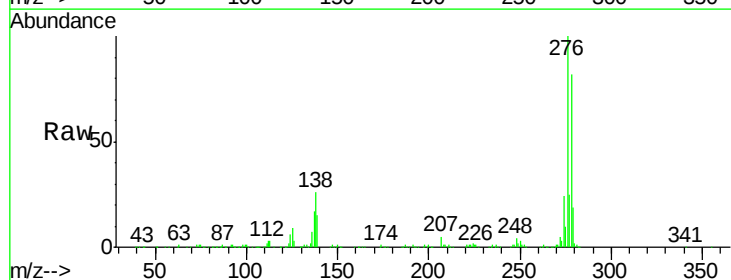
Tgt Ion:276 Resp: 732732

Ion Ratio Lower Upper

276 100

138 26.4 15.8 23.6#

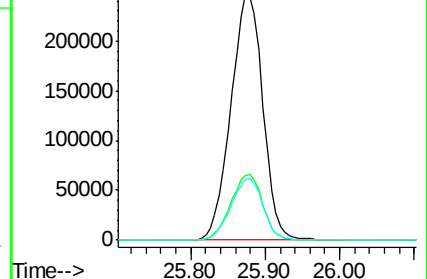
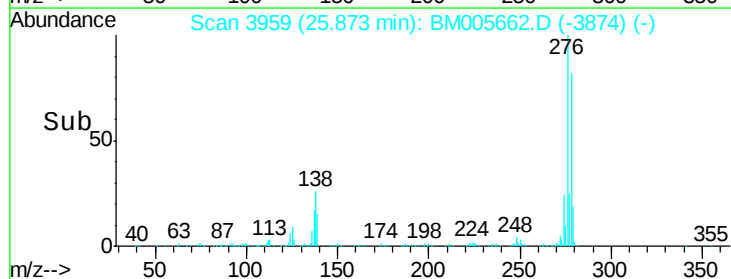
277 24.9 19.0 28.6

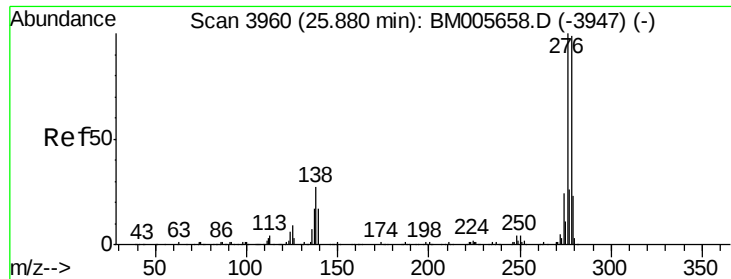


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#40

Dibenzo(a,h)anthracene

Concen: 17.19 ng/ul

RT: 25.89 min Scan# 3961

Delta R.T. 0.01 min

Lab File: BM005662.D

Acq: 06 Jun 2016 09:43

Instrument :

BNA_M

ClientSampleId :

SSTD02045

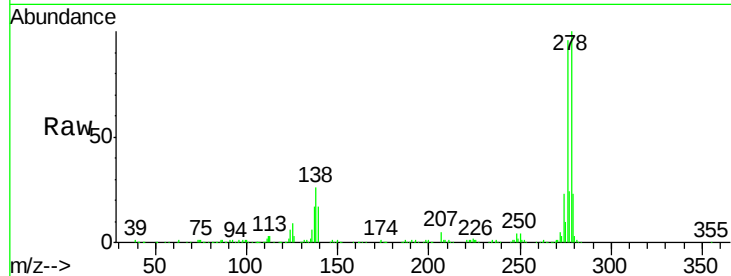
Tgt Ion:278 Resp: 616232

Ion Ratio Lower Upper

278 100

139 17.1 12.1 18.1

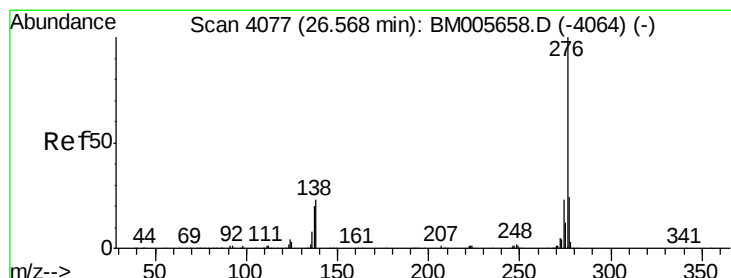
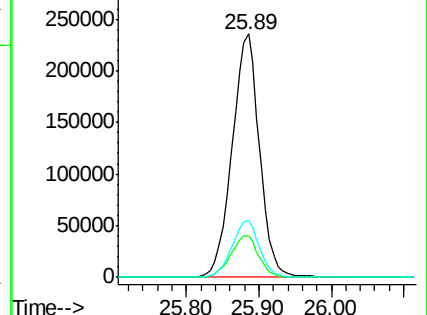
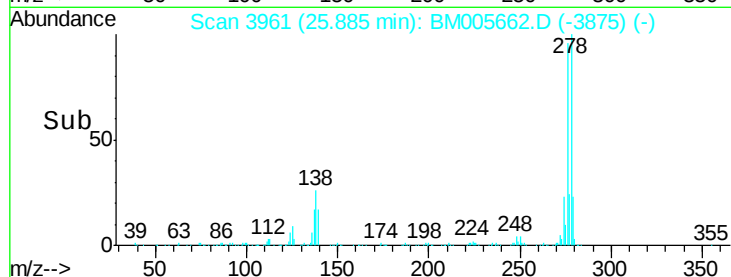
279 23.3 19.8 29.8



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: 16.38 ng/ul

RT: 26.57 min Scan# 4078

Delta R.T. 0.01 min

Lab File: BM005662.D

Acq: 06 Jun 2016 09:43

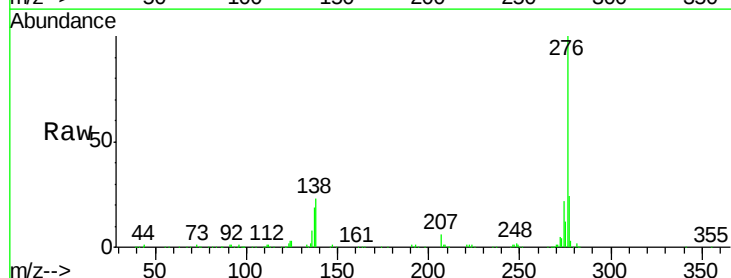
Tgt Ion:276 Resp: 587151

Ion Ratio Lower Upper

276 100

138 22.6 13.9 20.9#

277 23.7 19.8 29.6



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

