

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060616\
 Data File : BM005688.D
 Acq On : 07 Jun 2016 02:25
 Operator : UM/SJ
 Sample : SSTDC0020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02047

Quant Time: Jun 07 04:29:32 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	132041	20.00	ng/ul	0.00
7) Naphthalene-d8	10.56	136	518883	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.41	164	230289	20.00	ng/ul	0.01
23) Phenanthrene-d10	17.15	188	440598	20.00	ng/ul	0.00
29) Chrysene-d12	21.34	240	453952	20.00	ng/ul	0.01
34) Perylene-d12	23.60	264	475087	20.00	ng/ul	0.01

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.22	96	23790	7.57	ng/uL	0.00
3) Phenol-d5	6.95	99	222055	19.13	ng/ul	0.01
4) Bis-(2-Chloroethyl)ether-d	7.10	67	138544	19.61	ng/ul	0.00
5) 2-Chlorophenol-d4	7.30	132	186289	19.45	ng/ul	0.01
6) 4-Methylphenol-d8	8.49	113	166581	18.14	ng/ul	0.01
8) Nitrobenzene-d5	8.93	128	83282	20.90	ng/ul	0.01
9) 2-Nitrophenol-d4	9.65	143	83528	19.59	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.19	165	148548	19.61	ng/ul	0.01
12) 4-Chloroaniline-d4	10.70	131	197489	21.93	ng/ul	0.01
16) Dimethylphthalate-d6	13.82	166	355244	20.07	ng/ul	0.00
17) Acenaphthylene-d8	14.10	160	470373	20.43	ng/ul	0.01
20) 4-Nitrophenol-d4	14.64	143	48555	19.15	ng/ul	0.02
21) Fluorene-d10	15.40	176	298707	19.64	ng/ul	0.01
24) 4,6-Dinitro-2-methylphenol	15.54	200	8772	4.23	ng/ul	0.02
26) Anthracene-d10	17.25	188	420124	20.08	ng/ul	0.00
30) Pyrene-d10	19.54	212	435381	19.08	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.46	264	431584	19.74	ng/ul	0.02

Target Compounds

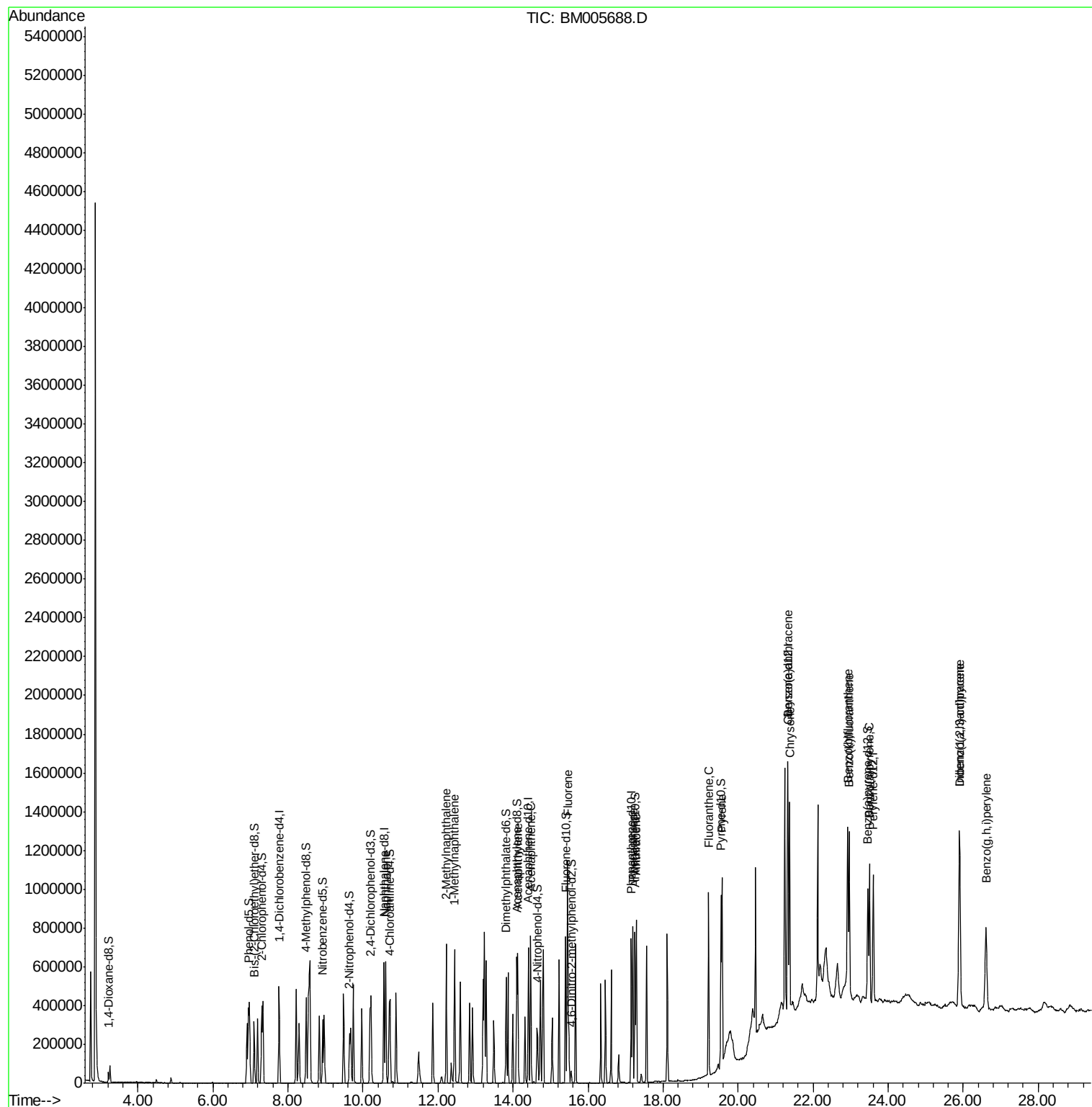
						Qvalue
11) Naphthalene	10.61	128	522531	19.81	ng/ul	99
13) 2-Methylnaphthalene	12.22	142	336752	18.37	ng/ul	99
14) 1-Methylnaphthalene	12.45	142	326791	18.11	ng/ul#	95
18) Acenaphthylene	14.13	152	479693	20.14	ng/ul	97
19) Acenaphthene	14.47	153	310965	20.11	ng/ul	95
22) Fluorene	15.46	166	330662	19.76	ng/ul	97
25) Phenanthrene	17.20	178	482147	19.82	ng/ul	98
27) Anthracene	17.29	178	496977	20.11	ng/ul	99
28) Fluoranthene	19.21	202	534708	21.51	ng/ul	98
31) Pyrene	19.57	202	544823	19.02	ng/ul	97
32) Benzo(a)anthracene	21.32	228	535049	20.10	ng/ul	97
33) Chrysene	21.37	228	504068	20.04	ng/ul	99
35) Benzo(b)fluoranthene	22.92	252	568469	19.84	ng/ul	98
36) Benzo(k)fluoranthene	22.96	252	512728	19.07	ng/ul	99
38) Benzo(a)pyrene	23.50	252	542633	19.68	ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.90	276	646226	19.80	ng/ul#	92
40) Dibenzo(a,h)anthracene	25.91	278	540042	19.72	ng/ul	97
41) Benzo(g,h,i)perylene	26.61	276	543330	19.85	ng/ul#	95

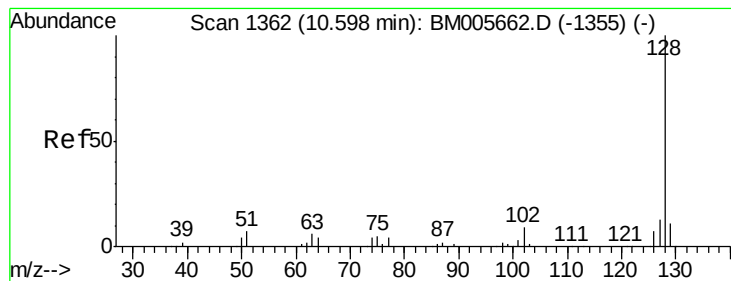
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :
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#11

Naphthalene

Concen: 19.81 ng/ul

RT: 10.61 min Scan# 1364

Delta R.T. 0.01 min

Lab File: BM005688.D

Acq: 07 Jun 2016 02:25

Instrument :

BNA_M

ClientSampleId :

SSTD02047

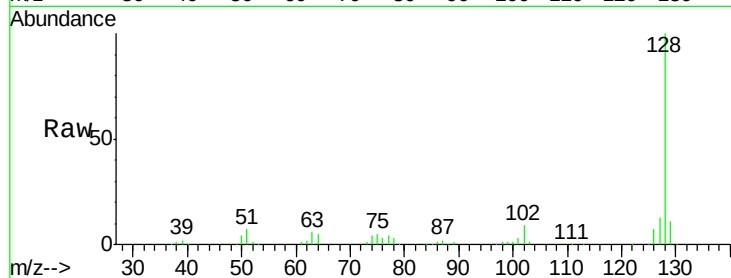
Tgt Ion:128 Resp: 522531

Ion Ratio Lower Upper

128 100

129 10.9 8.3 12.5

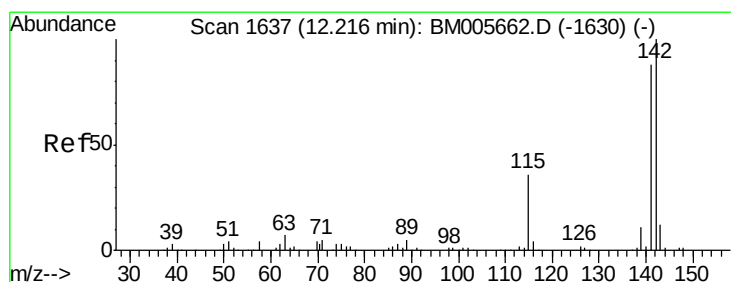
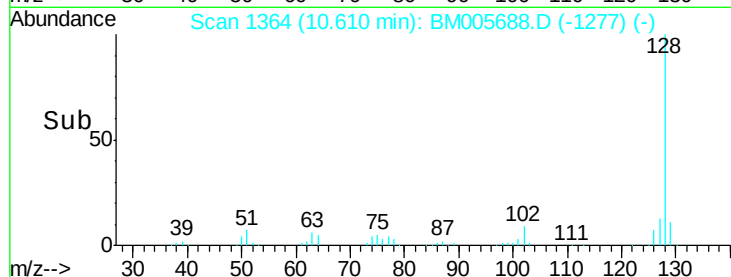
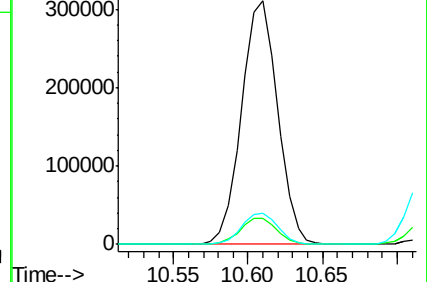
127 13.0 10.8 16.2



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: 18.37 ng/ul

RT: 12.22 min Scan# 1638

Delta R.T. 0.01 min

Lab File: BM005688.D

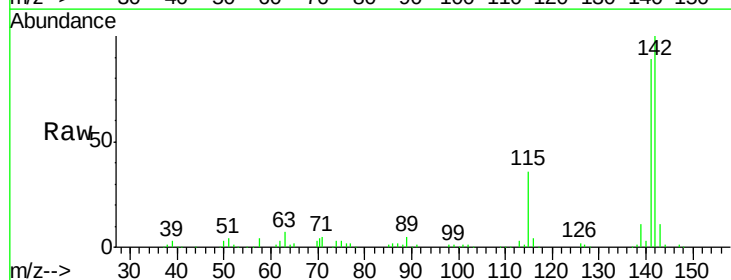
Acq: 07 Jun 2016 02:25

Tgt Ion:142 Resp: 336752

Ion Ratio Lower Upper

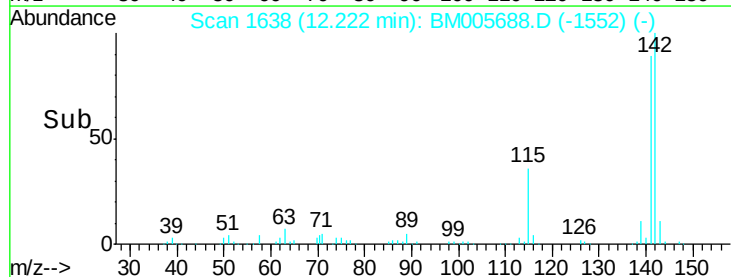
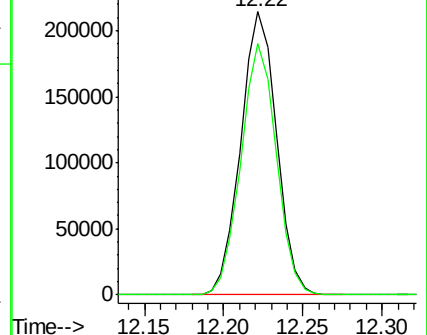
142 100

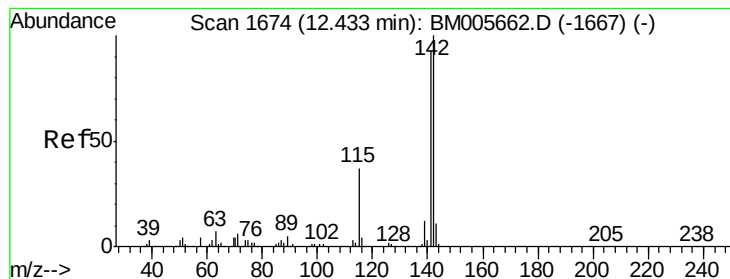
141 88.6 71.3 106.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#14

1-Methylnaphthalene

Concen: 18.11 ng/ul

RT: 12.45 min Scan# 1676

Delta R.T. 0.01 min

Lab File: BM005688.D

Acq: 07 Jun 2016 02:25

Instrument :

BNA_M

ClientSampleId :

SSTD02047

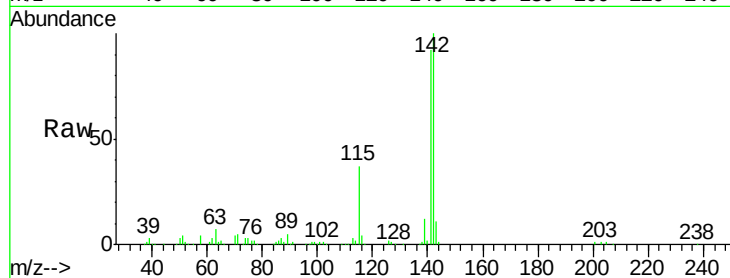
Tgt Ion:142 Resp: 326791

Ion Ratio Lower Upper

142 100

141 91.5 77.0 115.4

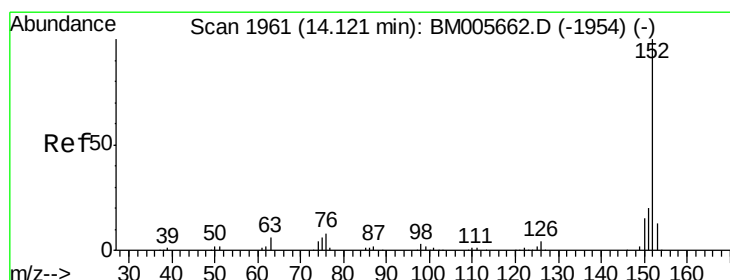
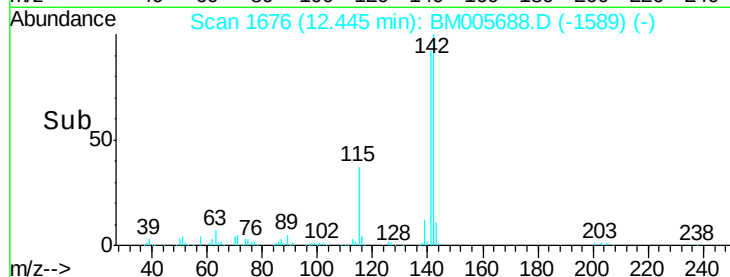
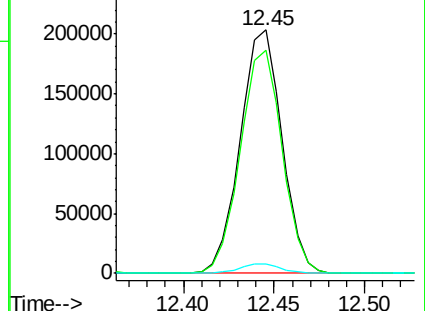
116 4.0 4.2 6.4#



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: 20.14 ng/ul

RT: 14.13 min Scan# 1963

Delta R.T. 0.01 min

Lab File: BM005688.D

Acq: 07 Jun 2016 02:25

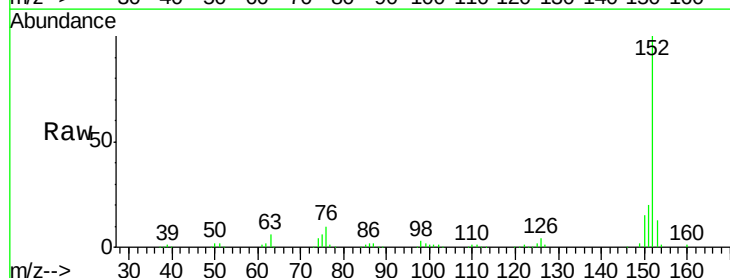
Tgt Ion:152 Resp: 479693

Ion Ratio Lower Upper

152 100

151 20.2 17.3 25.9

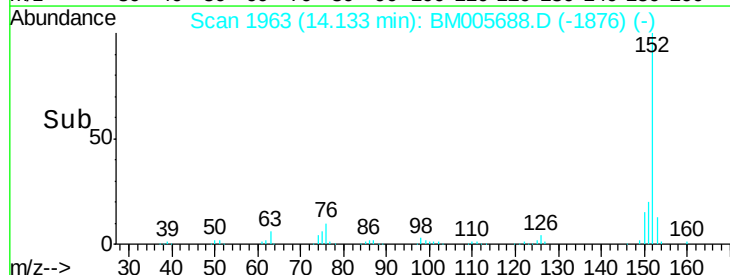
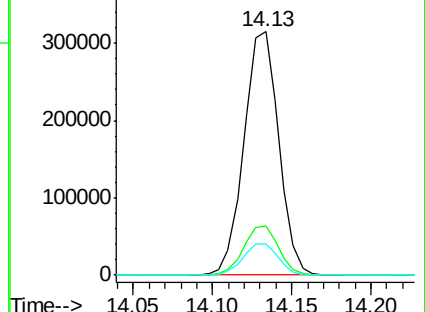
153 12.9 11.1 16.7

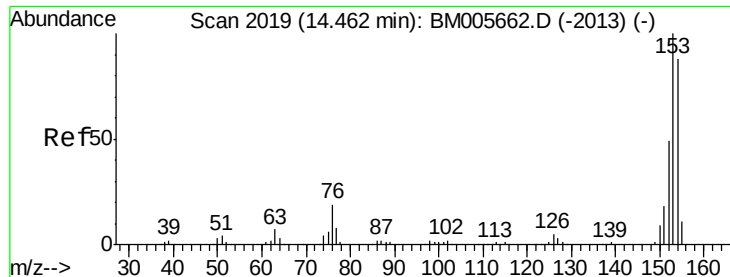


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#19

Acenaphthene

Concen: 20.11 ng/ul

RT: 14.47 min Scan# 2021

Delta R.T. 0.01 min

Lab File: BM005688.D

Acq: 07 Jun 2016 02:25

Instrument :

BNA_M

ClientSampleId :

SSTD02047

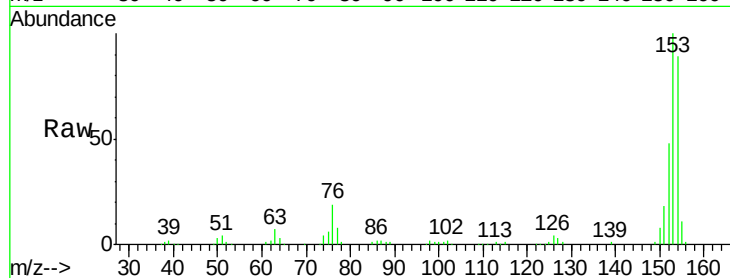
Tgt Ion:153 Resp: 310965

Ion Ratio Lower Upper

153 100

152 48.4 36.5 54.7

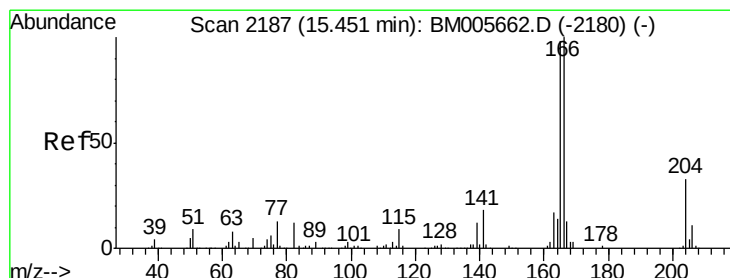
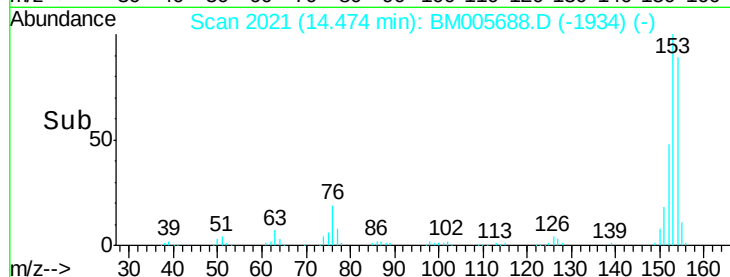
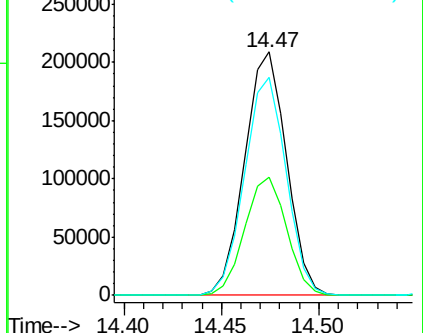
154 89.3 67.3 100.9



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: 19.76 ng/ul

RT: 15.46 min Scan# 2188

Delta R.T. 0.01 min

Lab File: BM005688.D

Acq: 07 Jun 2016 02:25

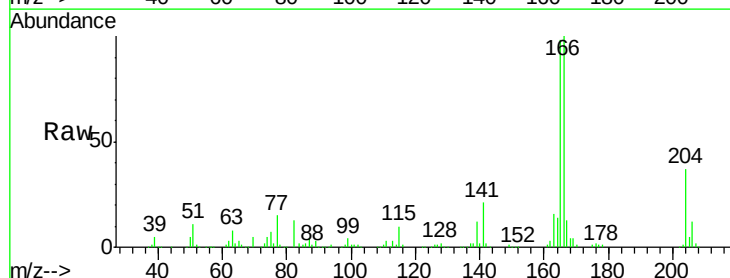
Tgt Ion:166 Resp: 330662

Ion Ratio Lower Upper

166 100

165 97.7 81.1 121.7

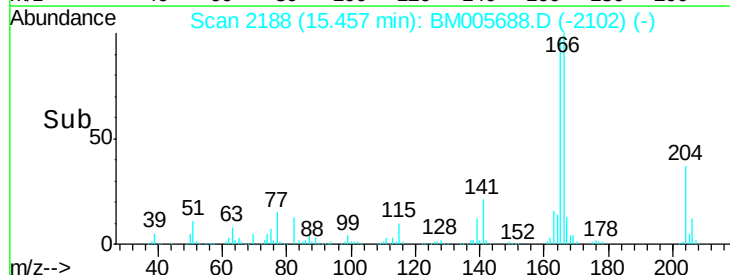
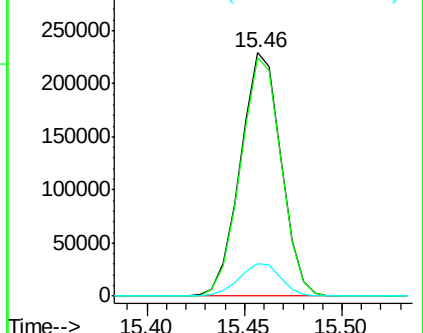
167 13.4 10.6 16.0

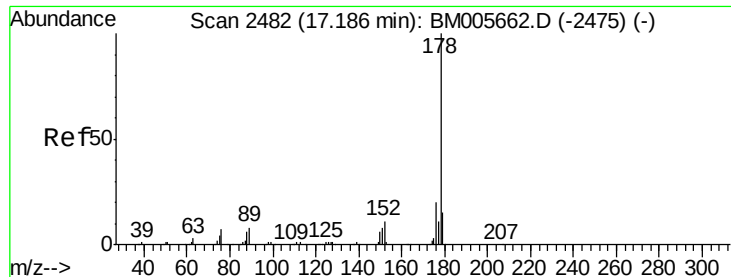


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 19.82 ng/ul

RT: 17.20 min Scan# 2484

Delta R.T. 0.01 min

Lab File: BM005688.D

Acq: 07 Jun 2016 02:25

Instrument :

BNA_M

ClientSampleId :

SSTD02047

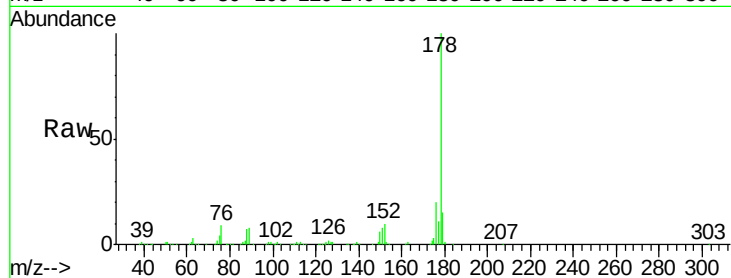
Tgt Ion:178 Resp: 482147

Ion Ratio Lower Upper

178 100

179 15.1 11.8 17.8

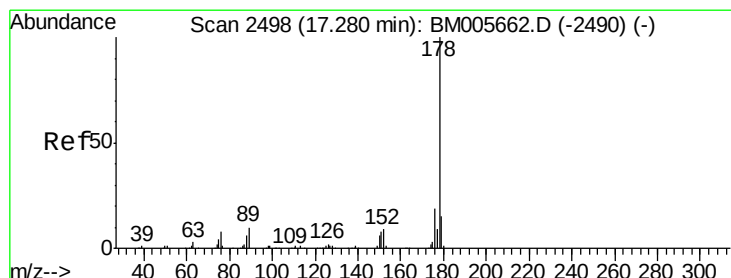
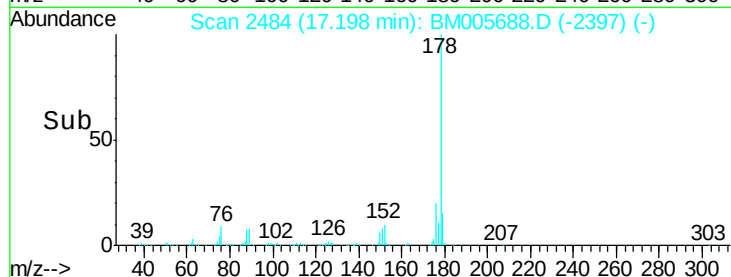
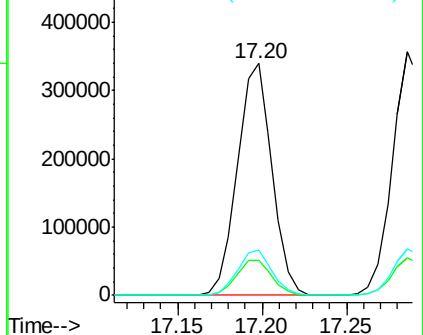
176 19.5 14.8 22.2



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: 20.11 ng/ul

RT: 17.29 min Scan# 2499

Delta R.T. 0.01 min

Lab File: BM005688.D

Acq: 07 Jun 2016 02:25

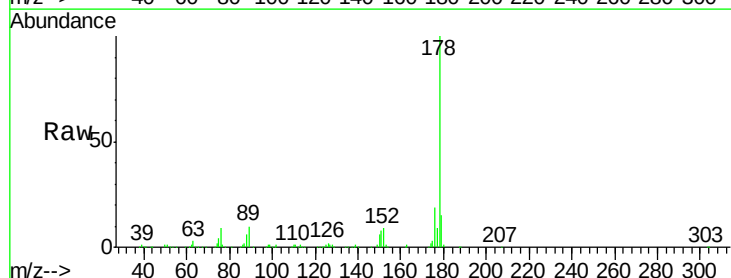
Tgt Ion:178 Resp: 496977

Ion Ratio Lower Upper

178 100

179 15.5 12.9 19.3

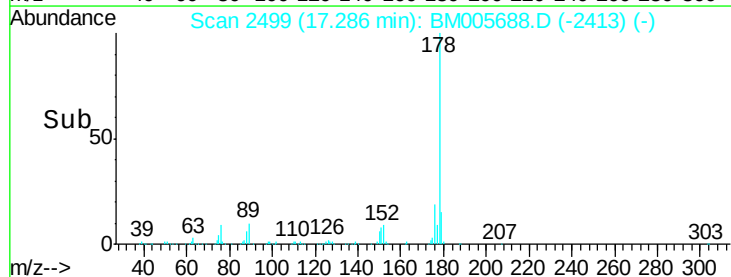
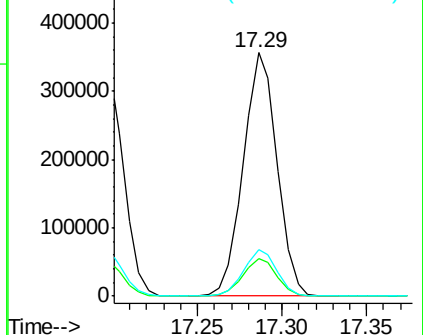
176 18.9 15.6 23.4

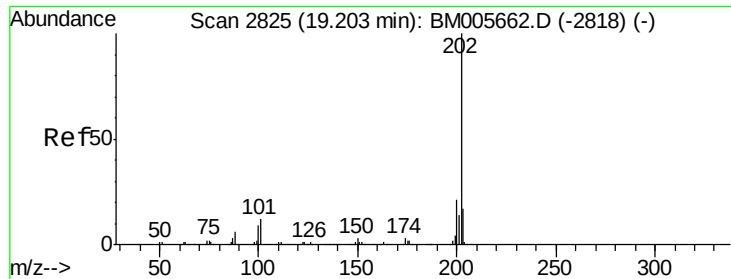


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

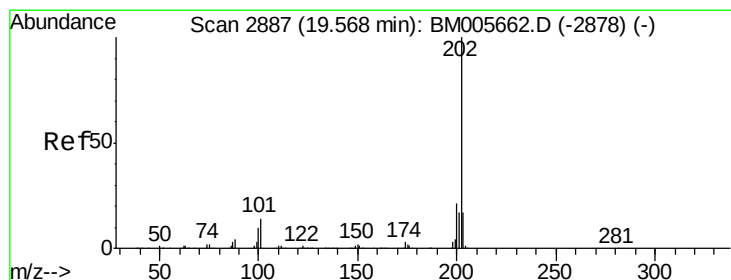
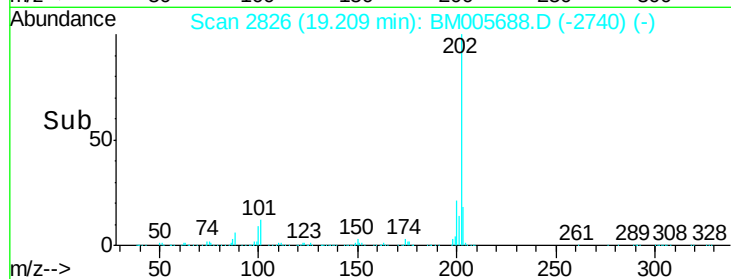
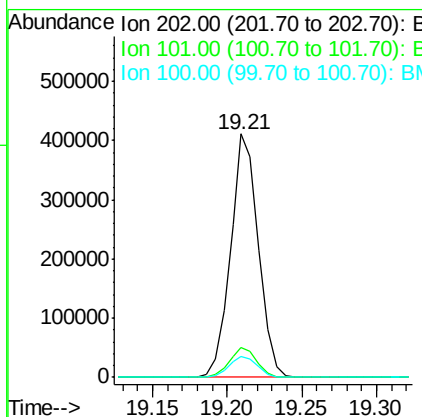
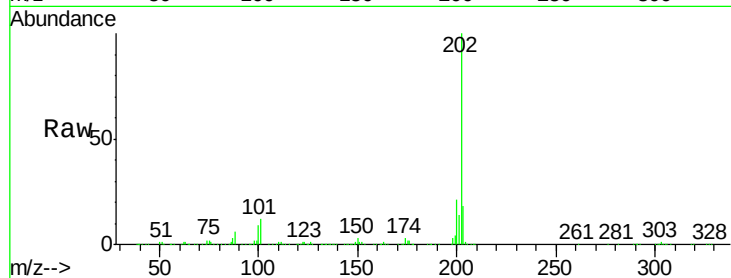




#28
Fluoranthene
Concen: 21.51 ng/ul
RT: 19.21 min Scan# 2826
Delta R.T. 0.01 min
Lab File: BM005688.D
Acq: 07 Jun 2016 02:25

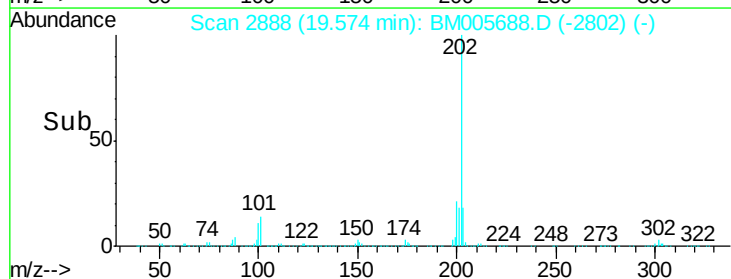
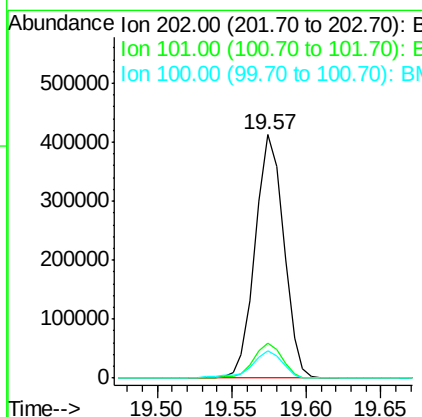
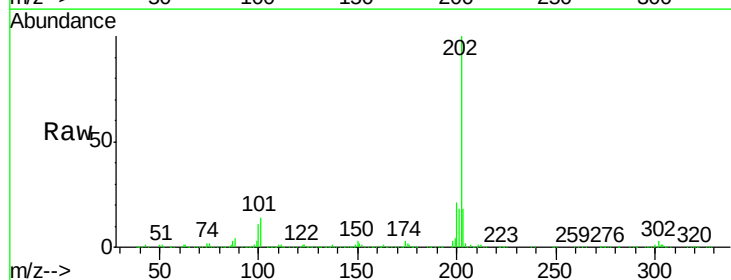
Instrument :
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ClientSampleId :
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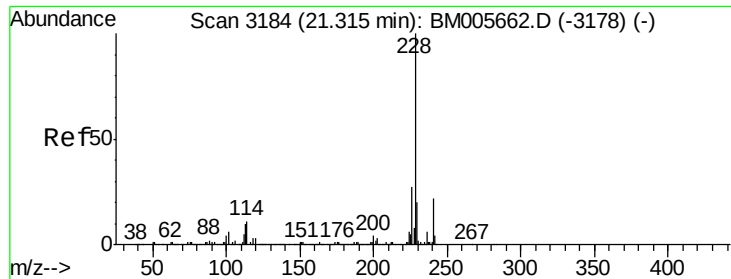
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.1	8.9	13.3
100	8.8	7.0	10.4



#31
Pyrene
Concen: 19.02 ng/ul
RT: 19.57 min Scan# 2888
Delta R.T. 0.01 min
Lab File: BM005688.D
Acq: 07 Jun 2016 02:25

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.2	9.8	14.8
100	11.2	9.3	13.9





#32

Benzo(a)anthracene

Concen: 20.10 ng/ul

RT: 21.32 min Scan# 3185

Delta R.T. 0.01 min

Lab File: BM005688.D

Acq: 07 Jun 2016 02:25

Instrument :

BNA_M

ClientSampleId :

SSTD02047

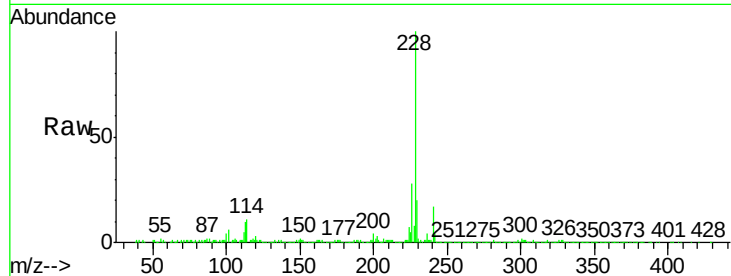
Tgt Ion:228 Resp: 535049

Ion Ratio Lower Upper

228 100

229 19.9 16.6 25.0

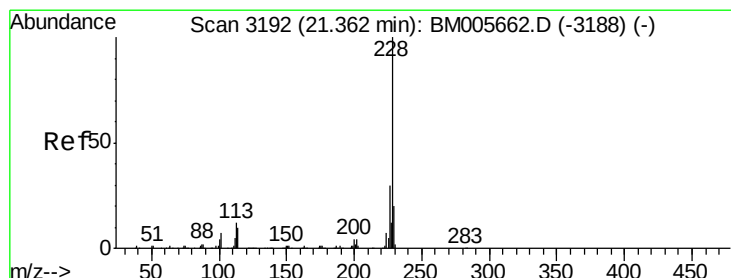
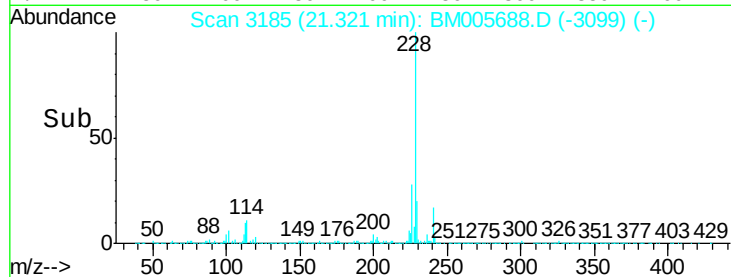
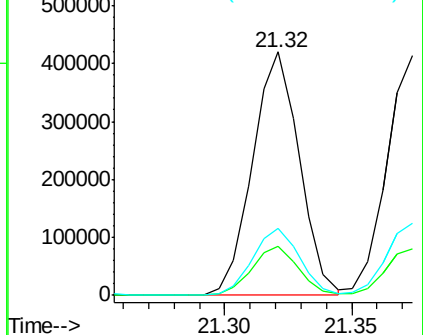
226 27.7 21.0 31.4



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: 20.04 ng/ul

RT: 21.37 min Scan# 3194

Delta R.T. 0.01 min

Lab File: BM005688.D

Acq: 07 Jun 2016 02:25

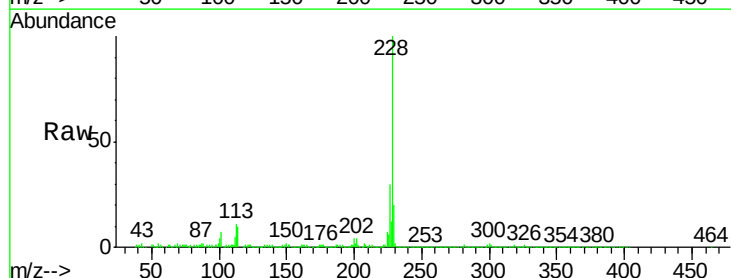
Tgt Ion:228 Resp: 504068

Ion Ratio Lower Upper

228 100

226 30.2 23.4 35.2

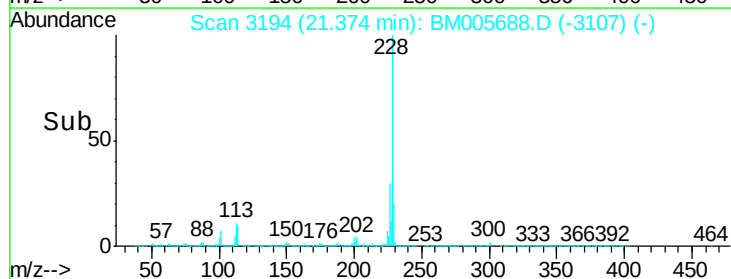
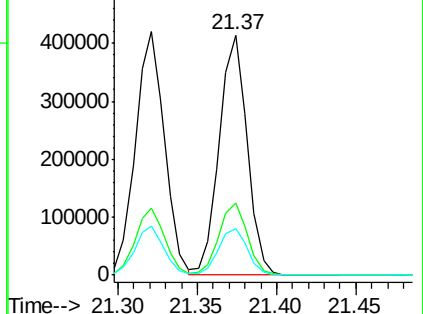
229 19.6 16.2 24.2

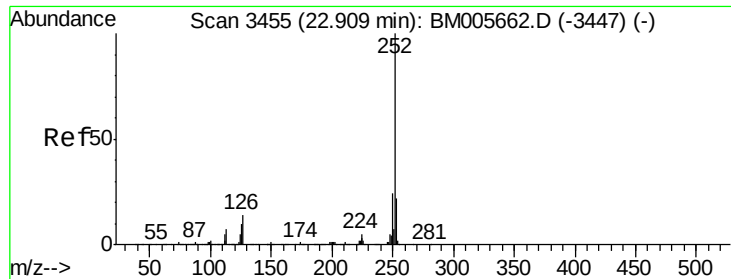


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 19.84 ng/ul

RT: 22.92 min Scan# 3457

Delta R.T. 0.01 min

Lab File: BM005688.D

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SSTD02047

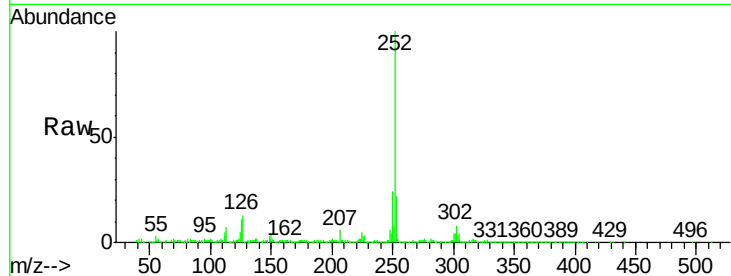
Tgt Ion:252 Resp: 568469

Ion Ratio Lower Upper

252 100

253 22.0 18.1 27.1

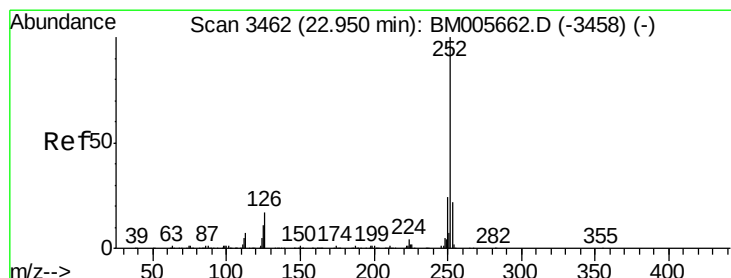
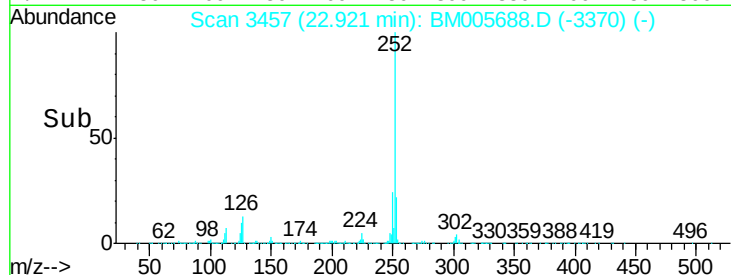
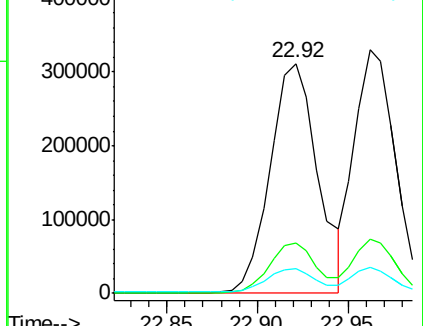
125 10.7 7.6 11.4



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: 19.07 ng/ul

RT: 22.96 min Scan# 3464

Delta R.T. 0.01 min

Lab File: BM005688.D

Acq: 07 Jun 2016 02:25

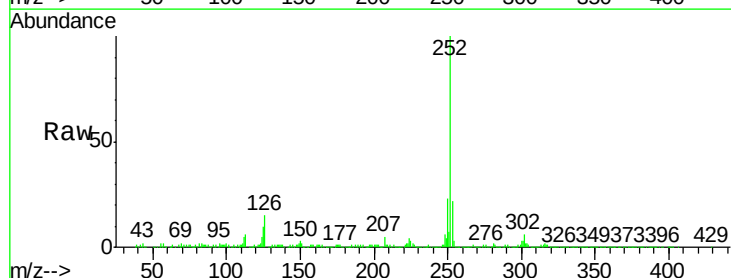
Tgt Ion:252 Resp: 512728

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

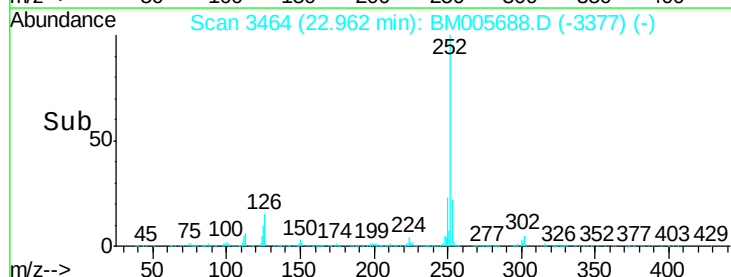
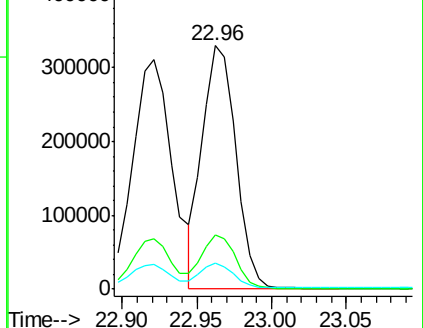
125 10.5 7.7 11.5

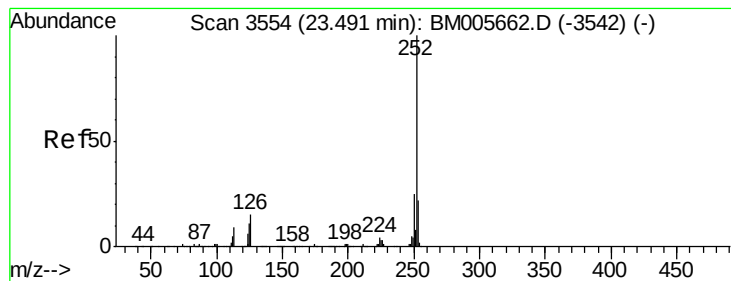


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

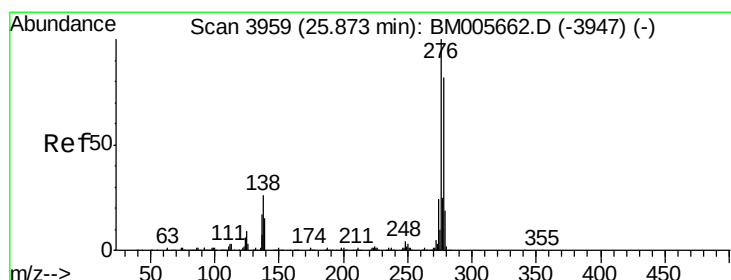
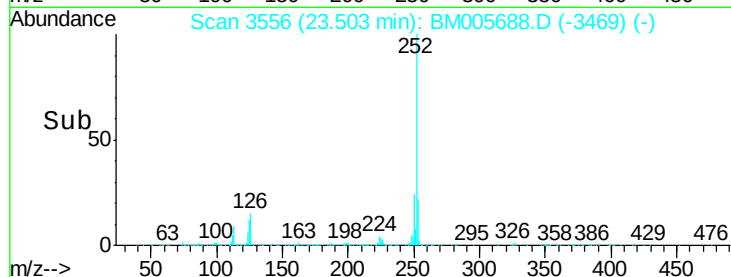
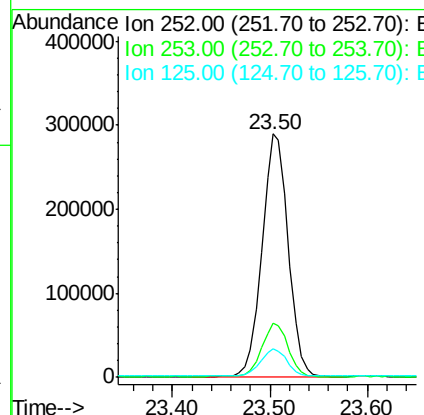
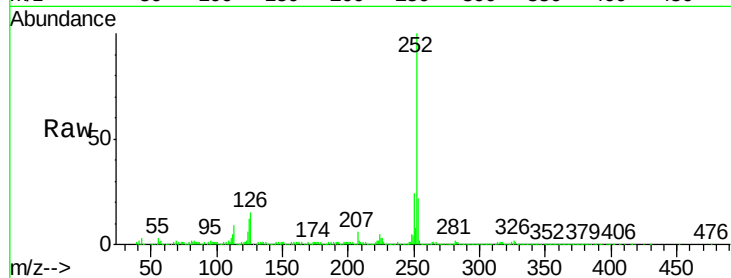




#38
Benzo(a)pyrene
Concen: 19.68 ng/ul
RT: 23.50 min Scan# 3556
Delta R.T. 0.01 min
Lab File: BM005688.D
Acq: 07 Jun 2016 02:25

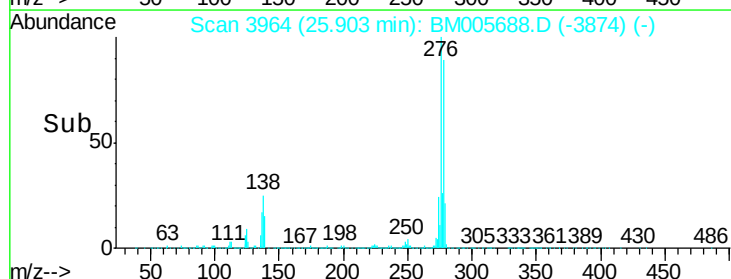
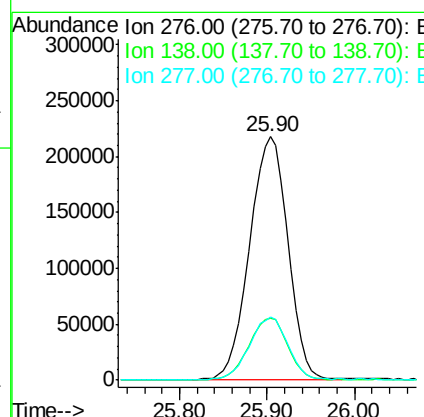
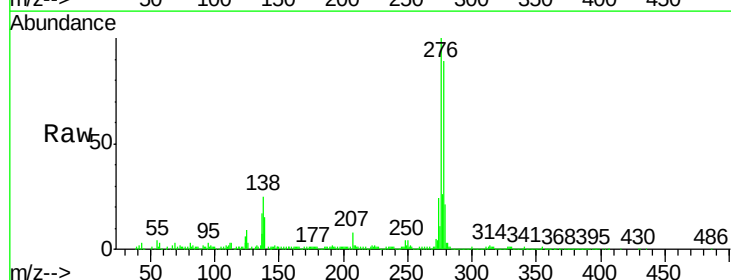
Instrument :
BNA_M
ClientSampleId :
SSTD02047

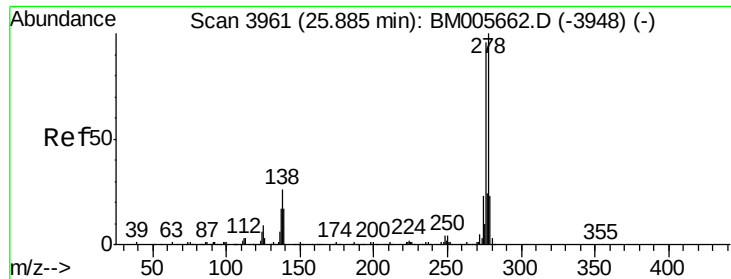
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.0
125	11.9	8.2	12.2



#39
Indeno(1,2,3-cd)pyrene
Concen: 19.80 ng/ul
RT: 25.90 min Scan# 3964
Delta R.T. 0.03 min
Lab File: BM005688.D
Acq: 07 Jun 2016 02:25

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.2	15.8	23.6#
277	25.9	19.0	28.6





#40

Dibenzo(a,h)anthracene

Concen: 19.72 ng/ul

RT: 25.91 min Scan# 3965

Delta R.T. 0.02 min

Lab File: BM005688.D

Acq: 07 Jun 2016 02:25

Instrument :

BNA_M

ClientSampleId :

SSTD02047

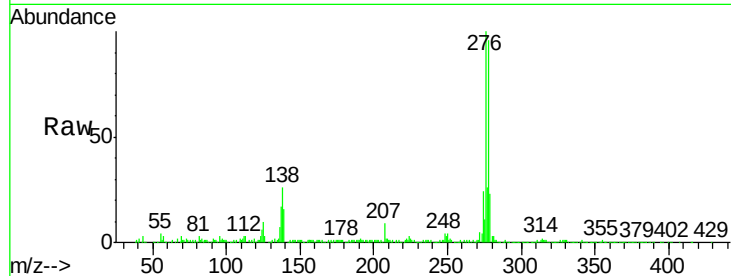
Tgt Ion:278 Resp: 540042

Ion Ratio Lower Upper

278 100

139 17.0 12.1 18.1

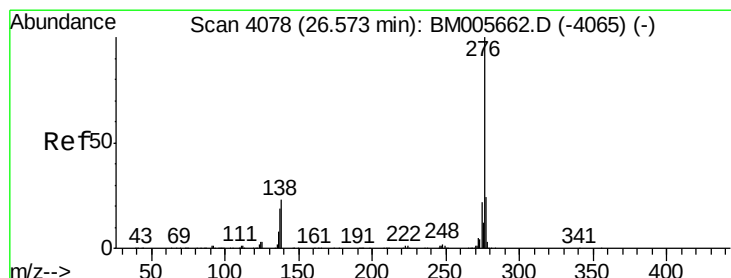
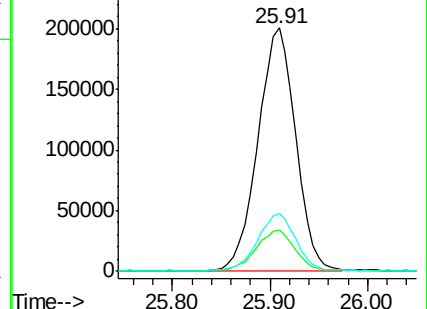
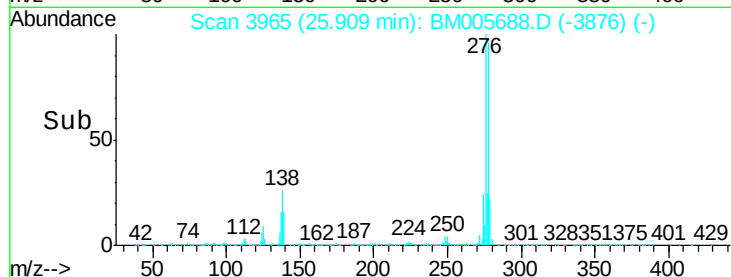
279 23.7 19.8 29.8



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: 19.85 ng/ul

RT: 26.61 min Scan# 4084

Delta R.T. 0.04 min

Lab File: BM005688.D

Acq: 07 Jun 2016 02:25

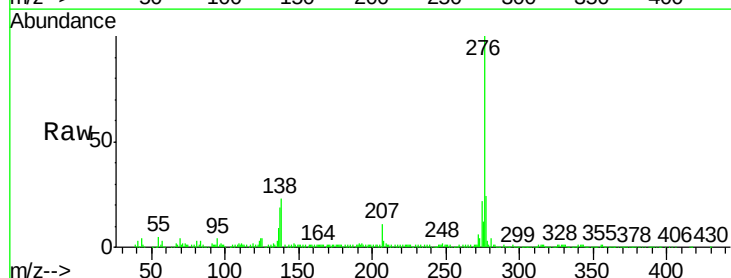
Tgt Ion:276 Resp: 543330

Ion Ratio Lower Upper

276 100

138 22.6 13.9 20.9#

277 24.3 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

