

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080916\
 Data File : BM006991.D
 Acq On : 09 Aug 2016 20:44
 Operator : UM/SJ
 Sample : SSTD02036
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02036

Quant Time: Aug 10 01:22:05 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 10 01:21:42 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	342745	20.00	ng/ul	0.00
7) Naphthalene-d8	10.61	136	1565744	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.45	164	1033008	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.20	188	2555029	20.00	ng/ul	0.00
29) Chrysene-d12	21.38	240	3067207	20.00	ng/ul	0.00
34) Perylene-d12	23.66	264	2799680	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.33	96	62238	8.31	ng/uL	0.00
3) Phenol-d5	6.98	99	623820	19.17	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.16	67	357893	18.03	ng/ul	0.00
5) 2-Chlorophenol-d4	7.35	132	470902	20.29	ng/ul	0.00
6) 4-Methylphenol-d8	8.52	113	530453	19.48	ng/ul	0.00
8) Nitrobenzene-d5	8.97	128	244845	20.93	ng/ul	0.00
9) 2-Nitrophenol-d4	9.69	143	281031	20.38	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.22	165	544619	20.57	ng/ul	0.00
12) 4-Chloroaniline-d4	10.74	131	690060	21.84	ng/ul	0.00
16) Dimethylphthalate-d6	13.87	166	1820326	20.09	ng/ul	0.00
17) Acenaphthylene-d8	14.14	160	2148358	20.42	ng/ul	0.00
20) 4-Nitrophenol-d4	14.64	143	325007	22.82	ng/ul	0.00
21) Fluorene-d10	15.44	176	1552331	20.08	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.56	200	268013	22.90	ng/ul	0.00
26) Anthracene-d10	17.29	188	2485901	20.11	ng/ul	0.00
30) Pyrene-d10	19.59	212	2897035	19.64	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.51	264	2648600	19.94	ng/ul	0.00

Target Compounds

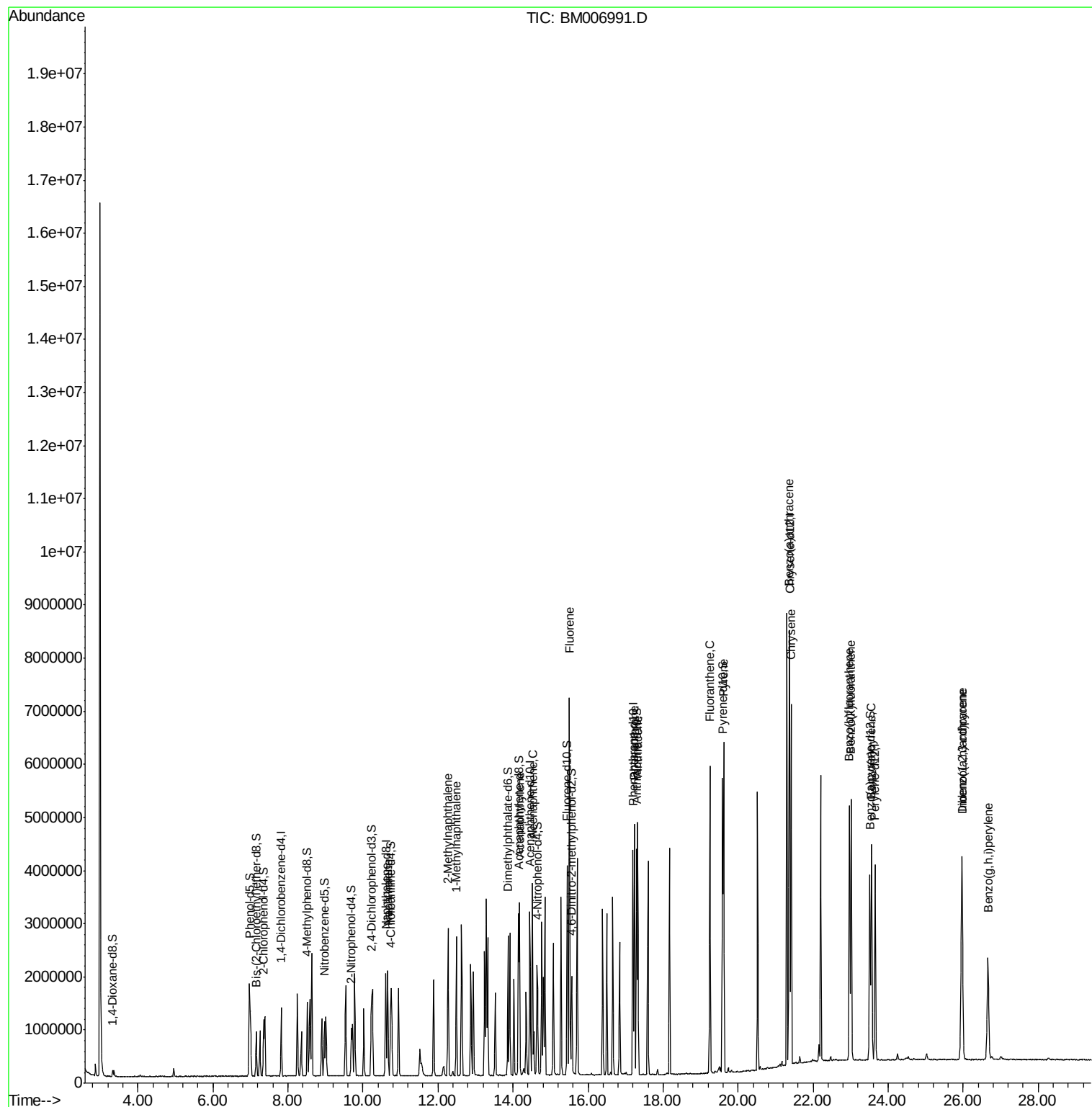
						Qvalue
11) Naphthalene	10.66	128	1609483	20.09	ng/ul	100
13) 2-Methylnaphthalene	12.27	142	1282472	20.02	ng/ul	100
14) 1-Methylnaphthalene	12.49	142	1224313	19.90	ng/ul	100
18) Acenaphthylene	14.17	152	2217363	20.14	ng/ul	100
19) Acenaphthene	14.52	153	1444928	20.10	ng/ul	100
22) Fluorene	15.50	166	1712334	19.07	ng/ul	100
25) Phenanthrene	17.24	178	2854741	19.97	ng/ul	100
27) Anthracene	17.33	178	2942911	19.73	ng/ul	100
28) Fluoranthene	19.25	202	3585273	20.62	ng/ul	100
31) Pyrene	19.62	202	3719105	19.40	ng/ul	100
32) Benzo(a)anthracene	21.36	228	3691133	20.21	ng/ul	100
33) Chrysene	21.41	228	3387557	20.94	ng/ul	100
35) Benzo(b)fluoranthene	22.97	252	3580277	19.52	ng/ul	100
36) Benzo(k)fluoranthene	23.01	252	3442201	19.61	ng/ul	100
38) Benzo(a)pyrene	23.56	252	3305407	19.96	ng/ul	100
39) Indeno(1,2,3-cd)pyrene	25.96	276	3205401	19.22	ng/ul	100
40) Dibenzo(a,h)anthracene	25.98	278	2665467	19.03	ng/ul	100
41) Benzo(g,h,i)perylene	26.66	276	2612117	19.70	ng/ul	100

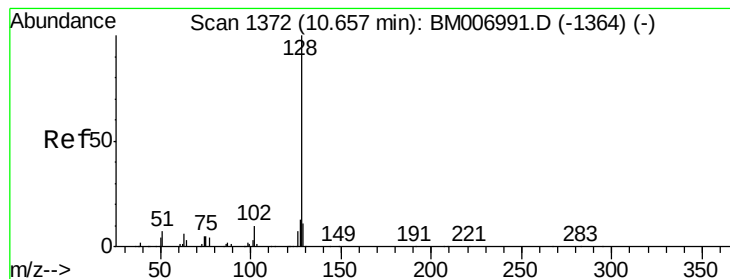
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#11

Naphthalene

Concen: 20.09 ng/ul

RT: 10.66 min Scan# 1372

Delta R.T. 0.00 min

Lab File: BM006991.D

Acq: 09 Aug 2016 20:44

Instrument :

BNA_M

ClientSampleId :

SSTD02036

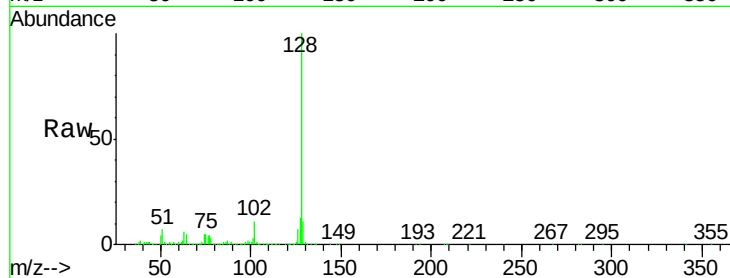
Tgt Ion:128 Resp: 1609483

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

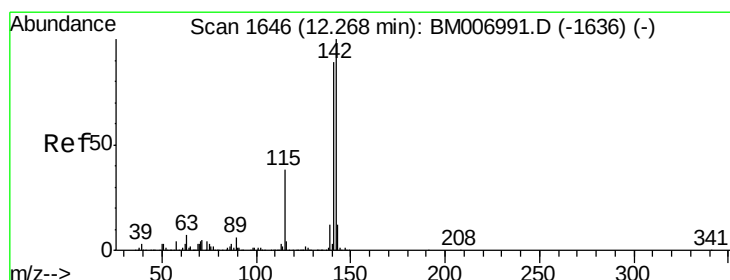
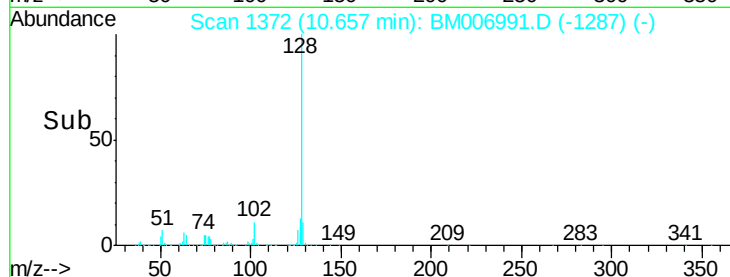
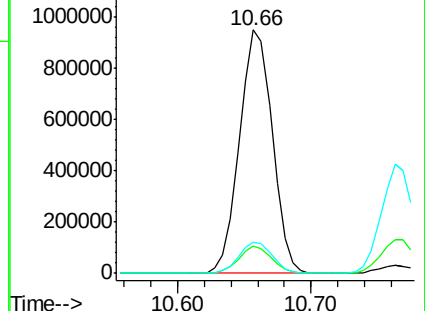
127 13.0 10.4 15.6



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: 20.02 ng/ul

RT: 12.27 min Scan# 1646

Delta R.T. 0.00 min

Lab File: BM006991.D

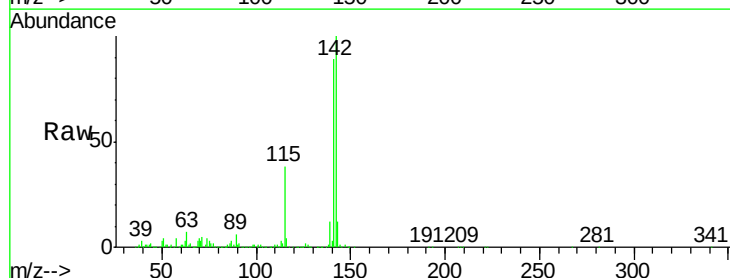
Acq: 09 Aug 2016 20:44

Tgt Ion:142 Resp: 1282472

Ion Ratio Lower Upper

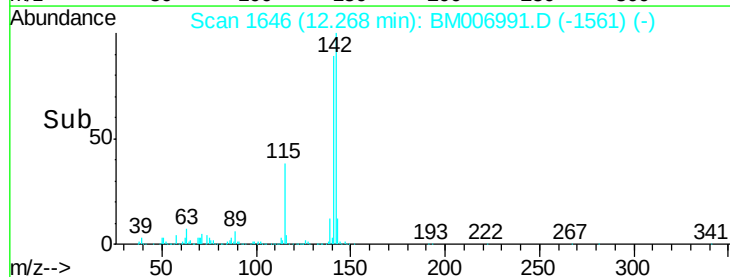
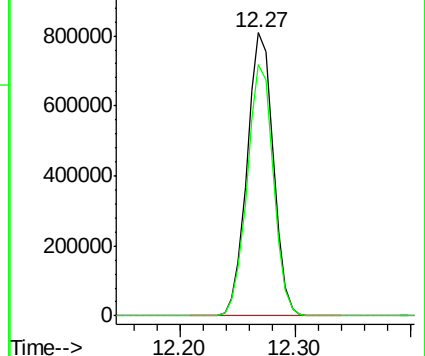
142 100

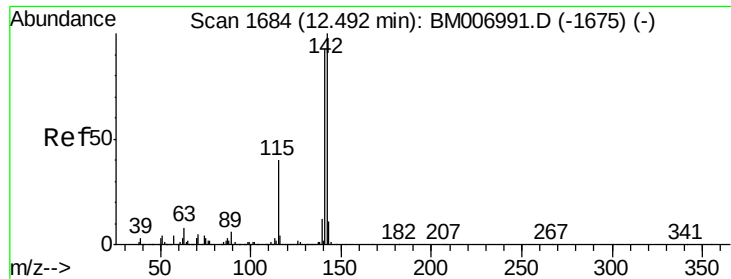
141 88.8 71.0 106.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

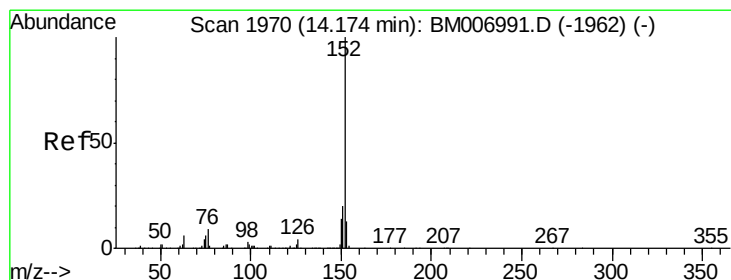
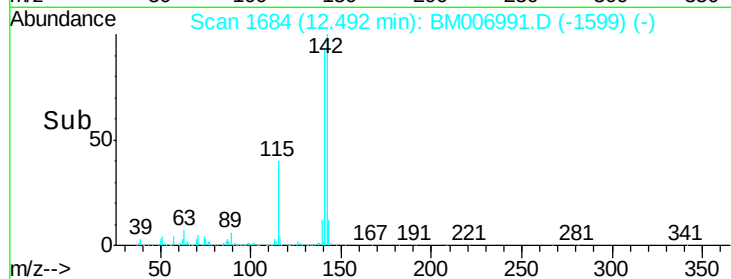
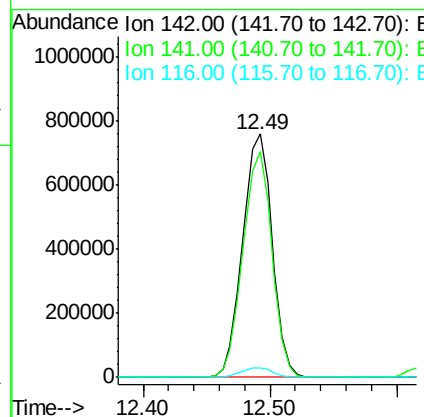
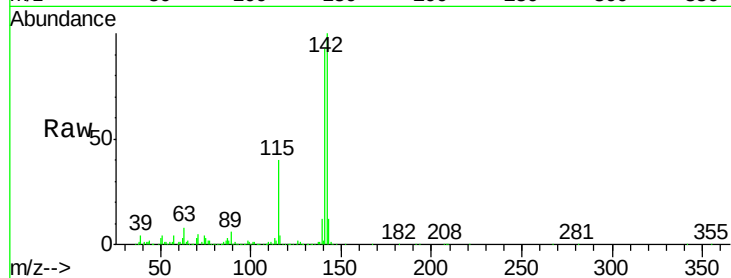




#14
 1-Methylnaphthalene
 Concen: 19.90 ng/ul
 RT: 12.49 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: BM006991.D
 Acq: 09 Aug 2016 20:44

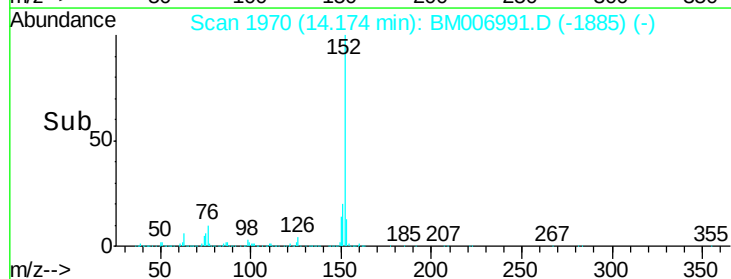
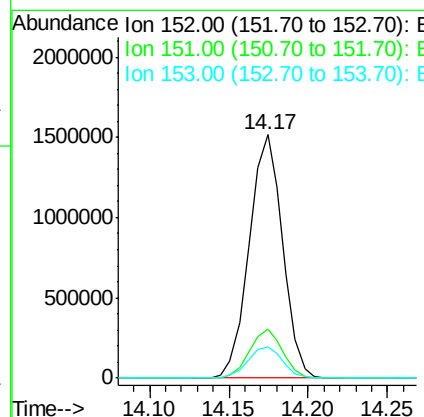
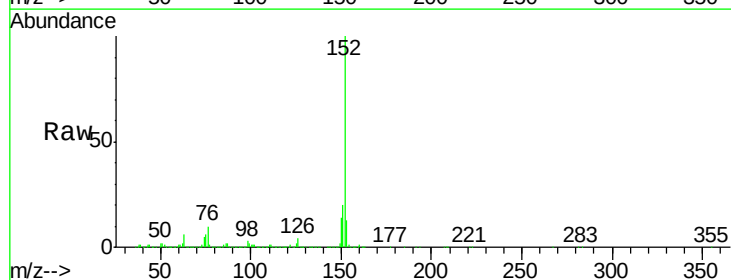
Instrument :
 BNA_M
 ClientSampleId :
 SSTD02036

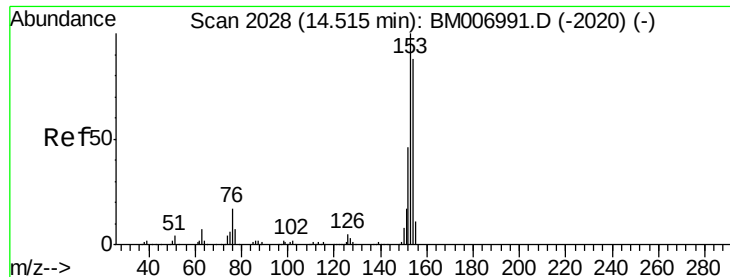
Tgt Ion:142 Resp: 1224313
 Ion Ratio Lower Upper
 142 100
 141 93.0 74.4 111.6
 116 4.0 3.2 4.8



#18
 Acenaphthylene
 Concen: 20.14 ng/ul
 RT: 14.17 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: BM006991.D
 Acq: 09 Aug 2016 20:44

Tgt Ion:152 Resp: 2217363
 Ion Ratio Lower Upper
 152 100
 151 20.1 16.1 24.1
 153 13.0 10.4 15.6





#19

Acenaphthene

Concen: 20.10 ng/ul

RT: 14.52 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BM006991.D

Acq: 09 Aug 2016 20:44

Instrument :

BNA_M

ClientSampleId :

SSTD02036

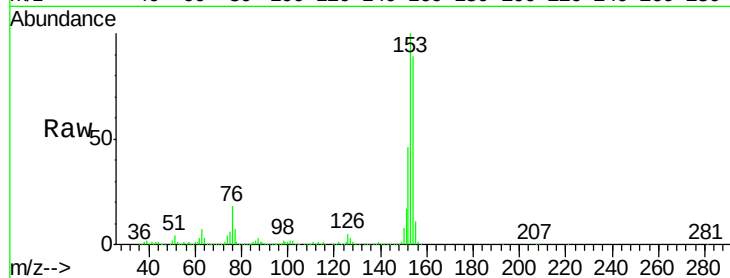
Tgt Ion:153 Resp: 1444928

Ion Ratio Lower Upper

153 100

152 46.3 37.0 55.6

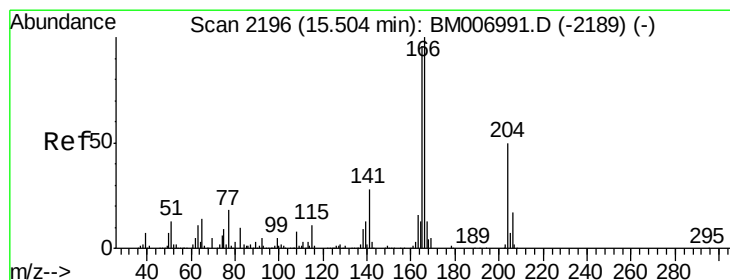
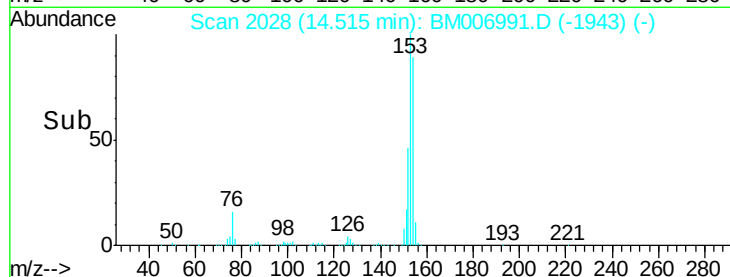
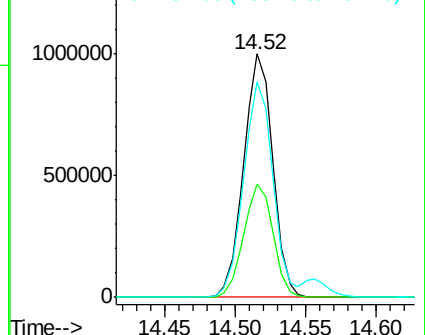
154 88.6 70.9 106.3



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: 19.07 ng/ul

RT: 15.50 min Scan# 2196

Delta R.T. 0.00 min

Lab File: BM006991.D

Acq: 09 Aug 2016 20:44

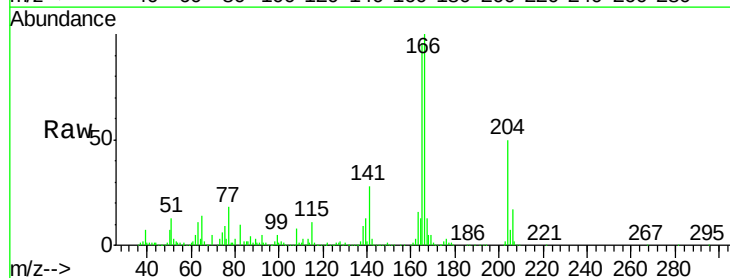
Tgt Ion:166 Resp: 1712334

Ion Ratio Lower Upper

166 100

165 95.8 76.6 115.0

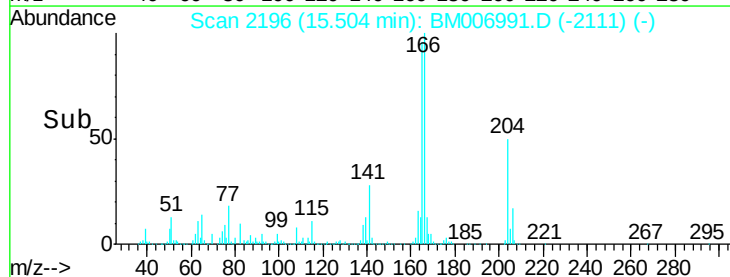
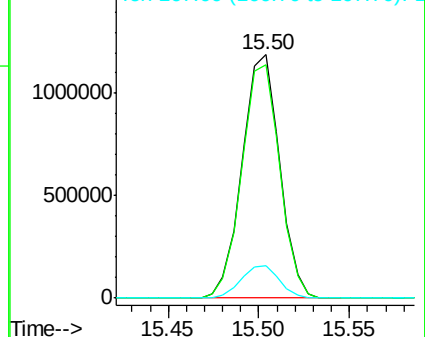
167 13.4 10.7 16.1

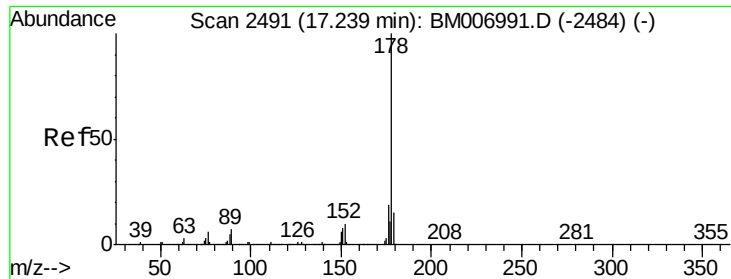


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 19.97 ng/ul

RT: 17.24 min Scan# 2491

Delta R.T. 0.00 min

Lab File: BM006991.D

Acq: 09 Aug 2016 20:44

Instrument :

BNA_M

ClientSampleId :

SSTD02036

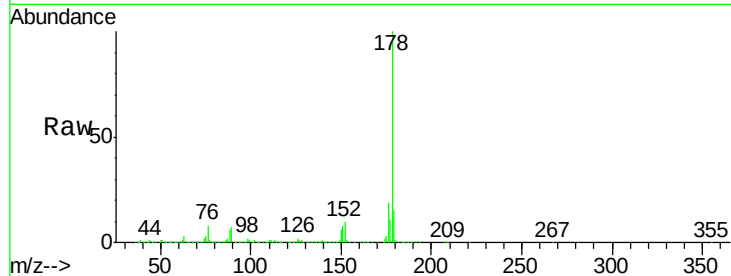
Tgt Ion:178 Resp: 2854741

Ion Ratio Lower Upper

178 100

179 15.2 12.2 18.2

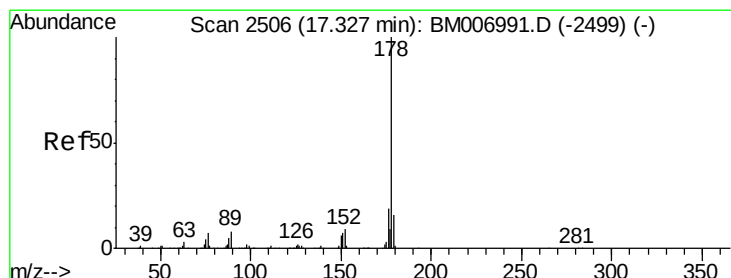
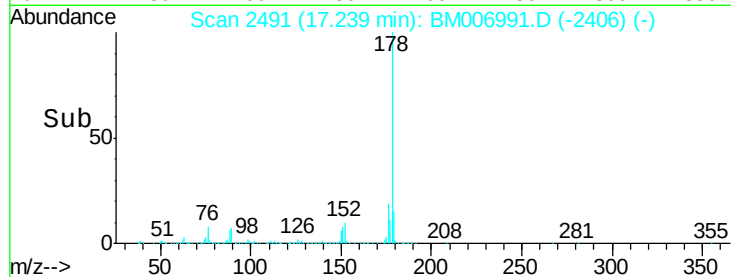
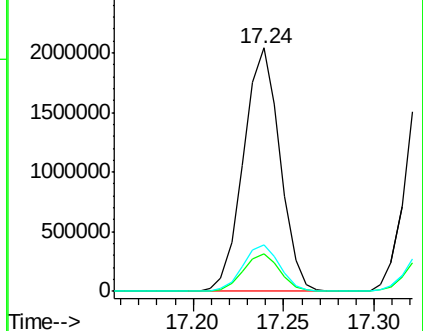
176 19.0 15.2 22.8



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: 19.73 ng/ul

RT: 17.33 min Scan# 2506

Delta R.T. 0.00 min

Lab File: BM006991.D

Acq: 09 Aug 2016 20:44

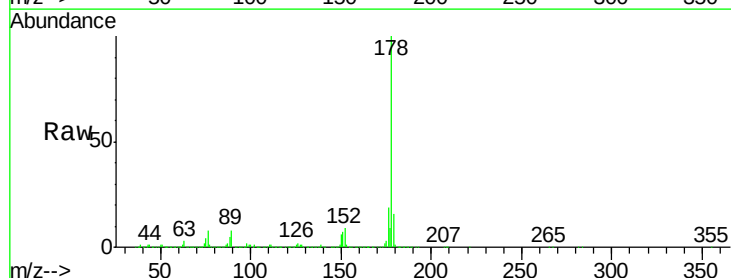
Tgt Ion:178 Resp: 2942911

Ion Ratio Lower Upper

178 100

179 15.6 12.5 18.7

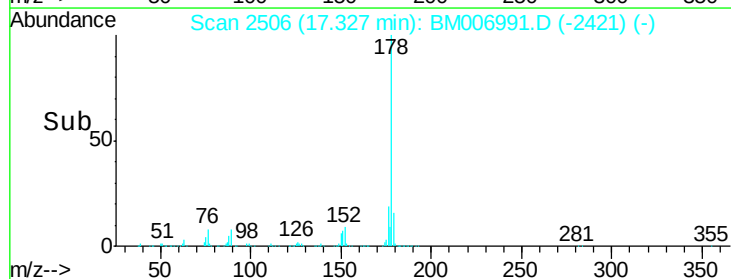
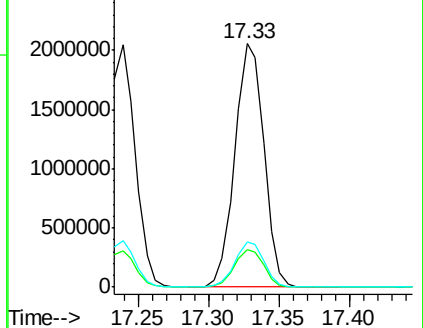
176 18.7 15.0 22.4

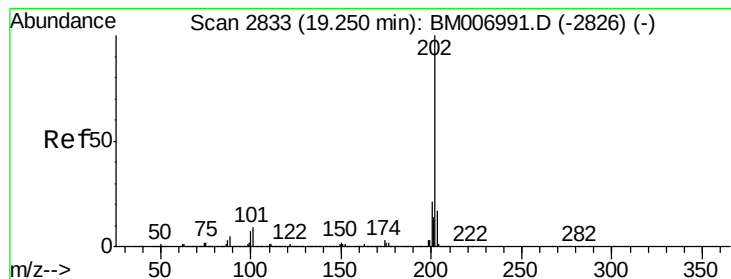


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 20.62 ng/ul

RT: 19.25 min Scan# 2833

Delta R.T. 0.00 min

Lab File: BM006991.D

Acq: 09 Aug 2016 20:44

Instrument :

BNA_M

ClientSampleId :

SSTD02036

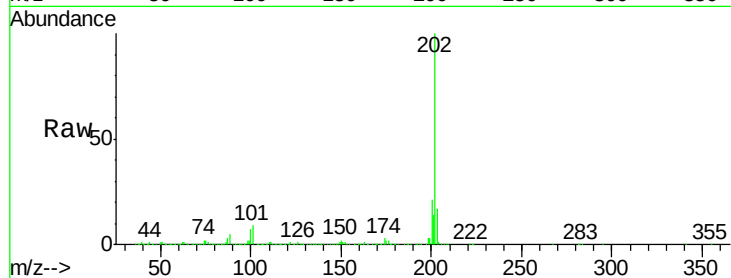
Tgt Ion:202 Resp: 3585273

Ion Ratio Lower Upper

202 100

101 9.3 7.4 11.2

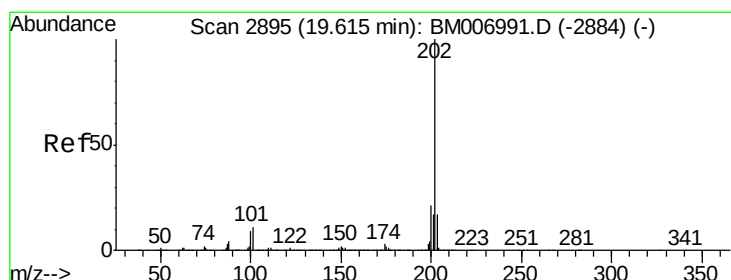
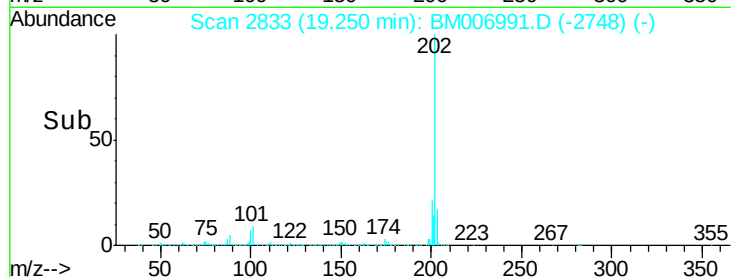
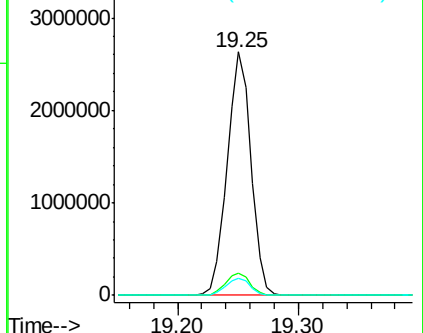
100 7.2 5.8 8.6



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



#31

Pyrene

Concen: 19.40 ng/ul

RT: 19.62 min Scan# 2895

Delta R.T. 0.00 min

Lab File: BM006991.D

Acq: 09 Aug 2016 20:44

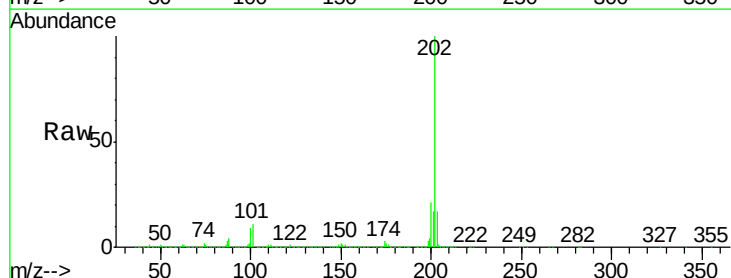
Tgt Ion:202 Resp: 3719105

Ion Ratio Lower Upper

202 100

101 10.6 8.5 12.7

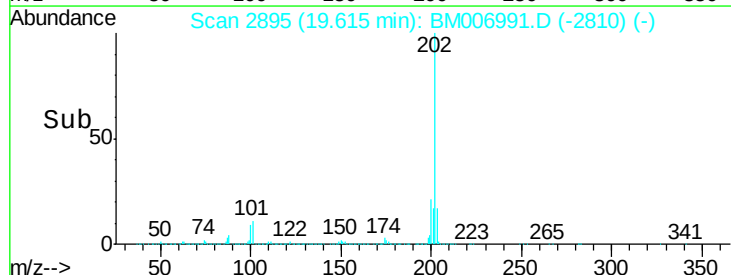
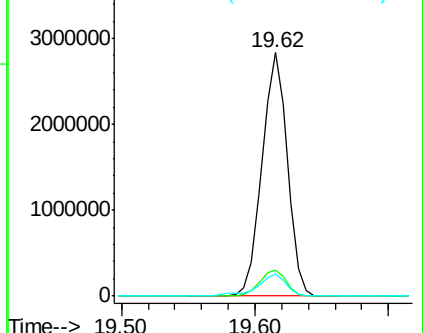
100 8.9 7.1 10.7

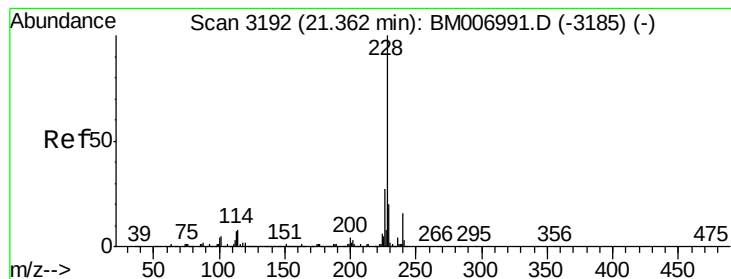


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 20.21 ng/ul

RT: 21.36 min Scan# 3192

Delta R.T. 0.00 min

Lab File: BM006991.D

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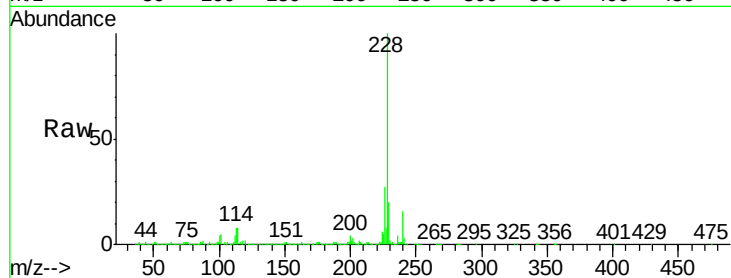
Tgt Ion:228 Resp: 3691133

Ion Ratio Lower Upper

228 100

229 19.7 15.8 23.6

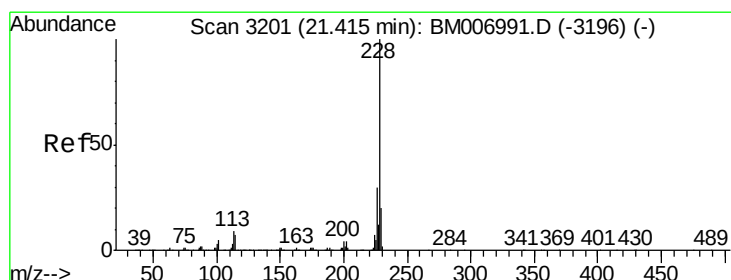
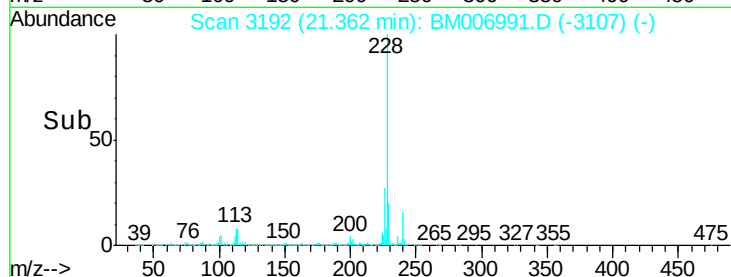
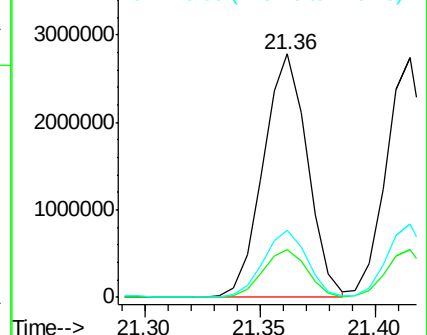
226 27.4 21.9 32.9



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: 20.94 ng/ul

RT: 21.41 min Scan# 3201

Delta R.T. 0.00 min

Lab File: BM006991.D

Acq: 09 Aug 2016 20:44

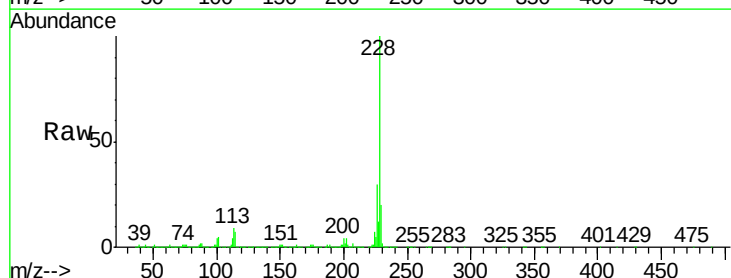
Tgt Ion:228 Resp: 3387557

Ion Ratio Lower Upper

228 100

226 30.3 24.2 36.4

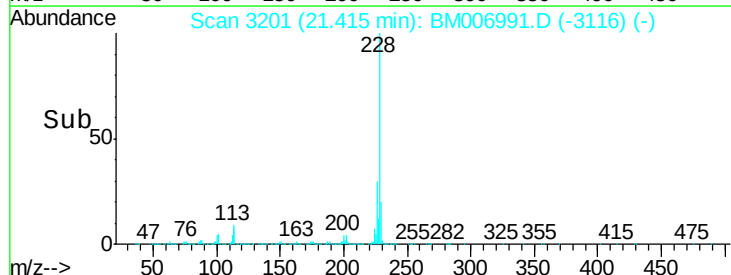
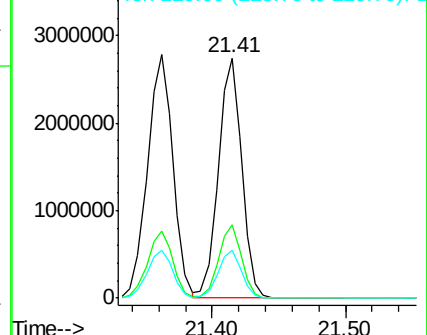
229 19.9 15.9 23.9

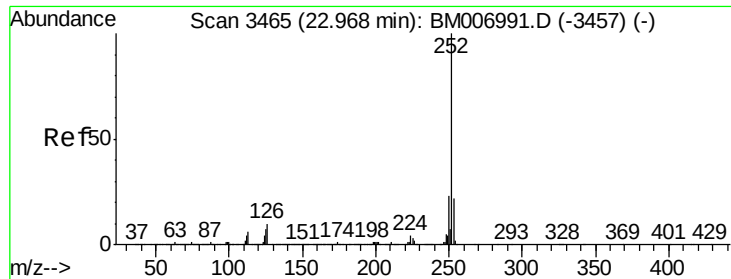


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

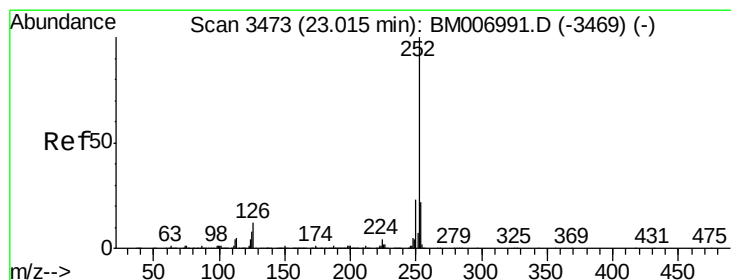
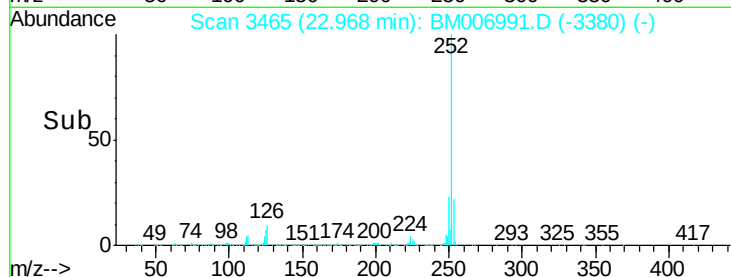
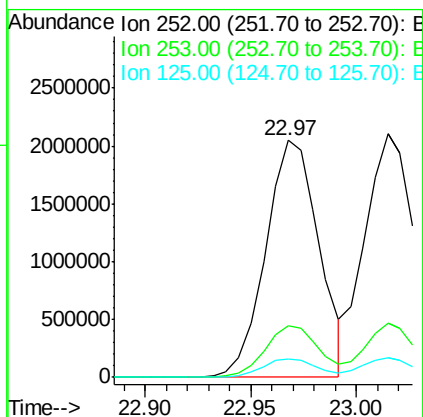
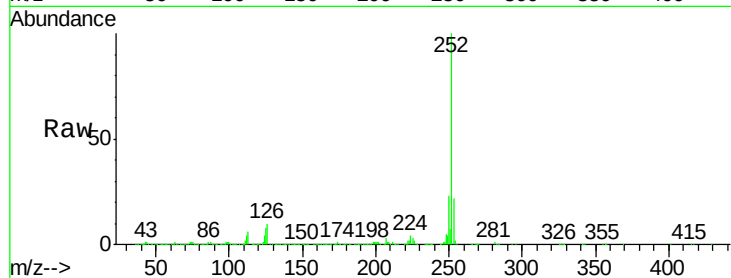




#35
Benzo(b)fluoranthene
Concen: 19.52 ng/ul
RT: 22.97 min Scan# 3465
Delta R.T. 0.00 min
Lab File: BM006991.D
Acq: 09 Aug 2016 20:44

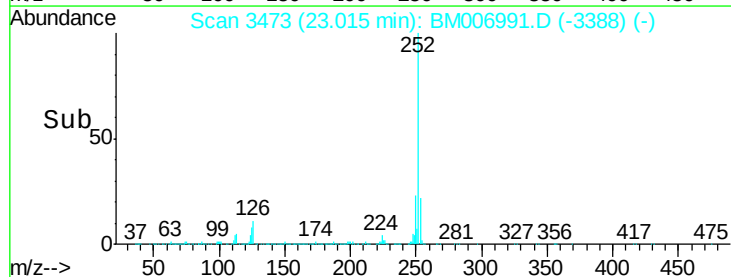
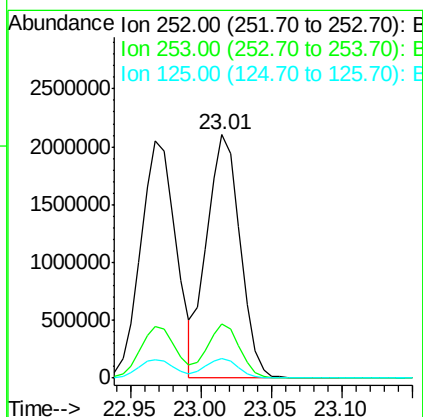
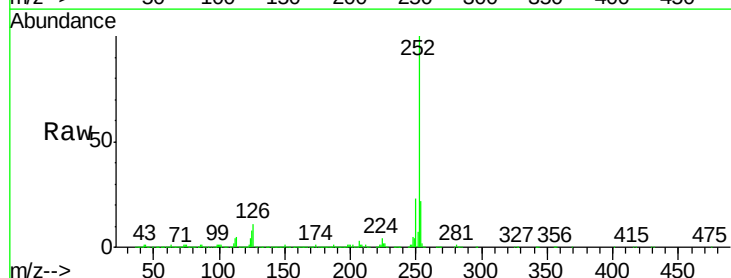
Instrument :
BNA_M
ClientSampleId :
SSTD02036

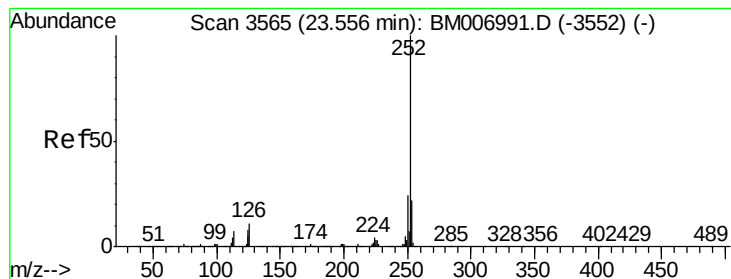
Tgt Ion:252 Resp: 3580277
Ion Ratio Lower Upper
252 100
253 21.8 17.4 26.2
125 7.5 6.0 9.0



#36
Benzo(k)fluoranthene
Concen: 19.61 ng/ul
RT: 23.01 min Scan# 3473
Delta R.T. 0.00 min
Lab File: BM006991.D
Acq: 09 Aug 2016 20:44

Tgt Ion:252 Resp: 3442201
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.6
125 7.8 6.2 9.4





#38

Benzo(a)pyrene

Concen: 19.96 ng/ul

RT: 23.56 min Scan# 3565

Delta R.T. 0.00 min

Lab File: BM006991.D

Acq: 09 Aug 2016 20:44

Instrument :

BNA_M

ClientSampleId :

SSTD02036

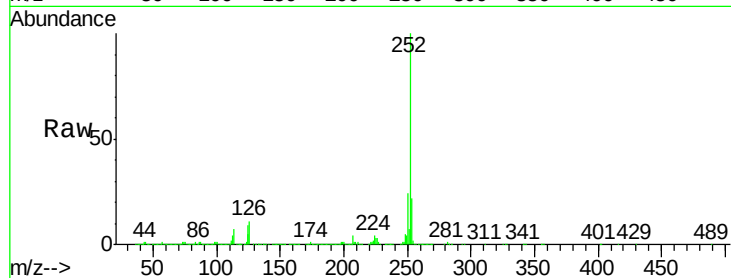
Tgt Ion:252 Resp: 3305407

Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

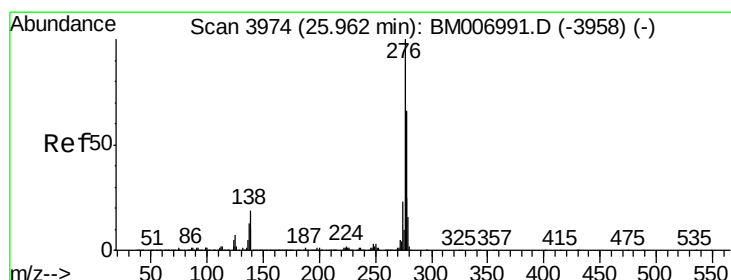
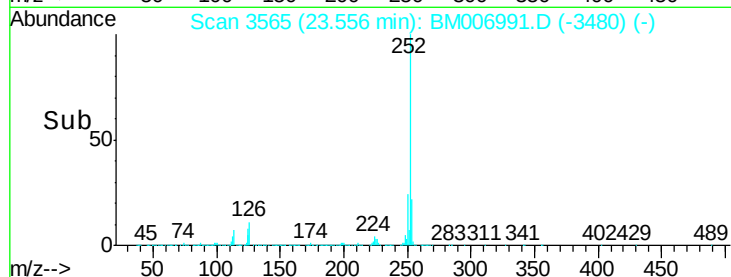
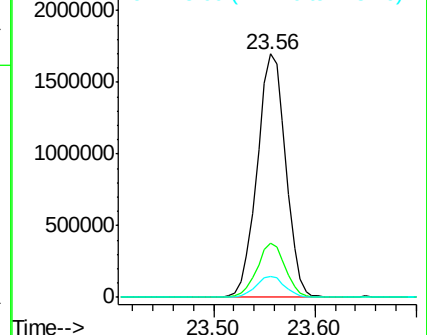
125 8.5 6.8 10.2



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: 19.22 ng/ul

RT: 25.96 min Scan# 3974

Delta R.T. 0.00 min

Lab File: BM006991.D

Acq: 09 Aug 2016 20:44

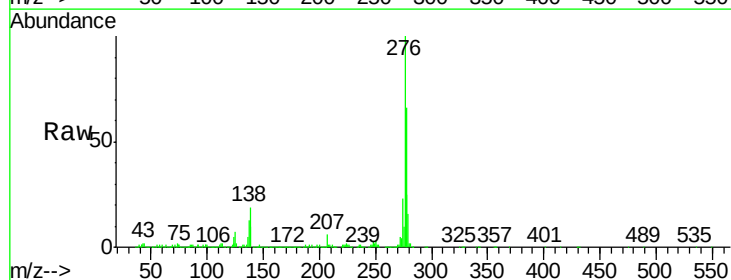
Tgt Ion:276 Resp: 3205401

Ion Ratio Lower Upper

276 100

138 18.6 14.9 22.3

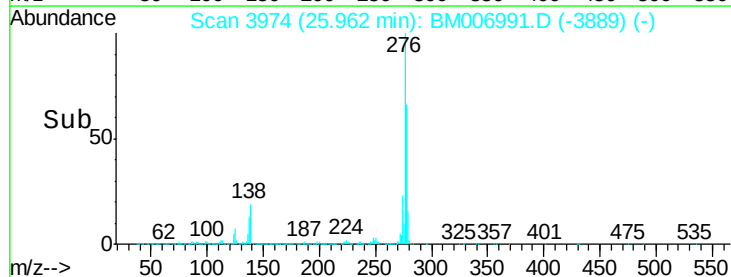
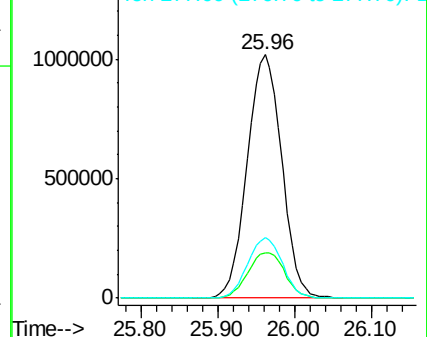
277 24.7 19.8 29.6

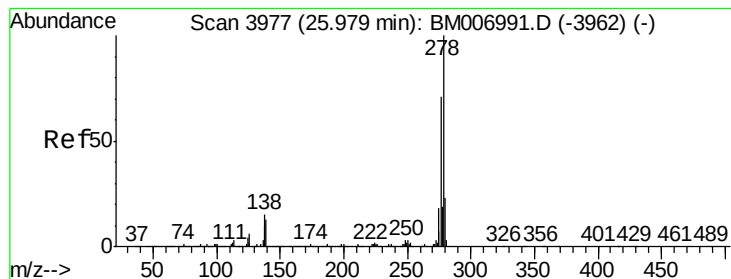


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#40

Dibenzo(a,h)anthracene

Concen: 19.03 ng/ul

RT: 25.98 min Scan# 3977

Delta R.T. 0.00 min

Lab File: BM006991.D

Acq: 09 Aug 2016 20:44

Instrument :

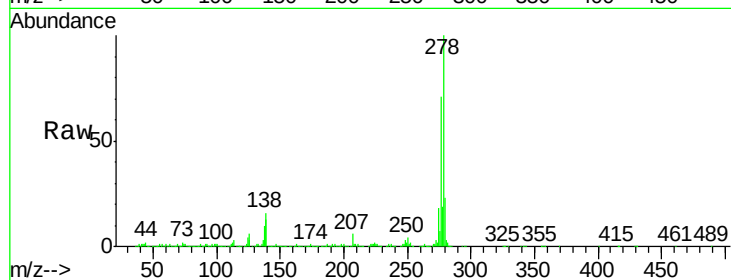
BNA_M

ClientSampleId :

SSTD02036

Tgt Ion:278 Resp: 2665467

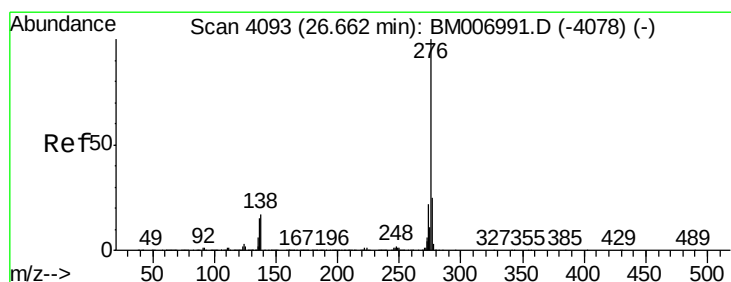
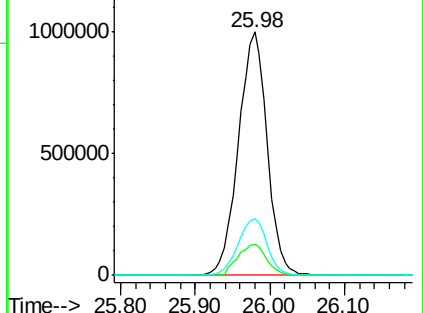
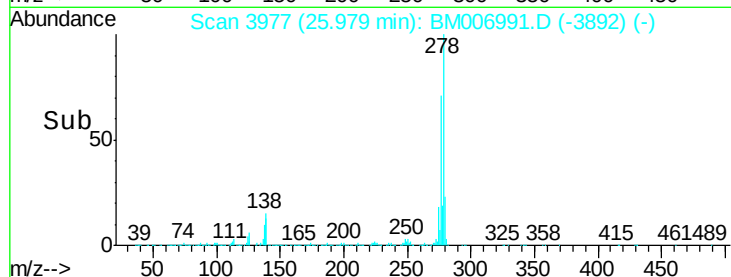
Ion	Ratio	Lower	Upper
278	100		
139	12.9	10.3	15.5
279	23.5	18.8	28.2



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: 19.70 ng/ul

RT: 26.66 min Scan# 4093

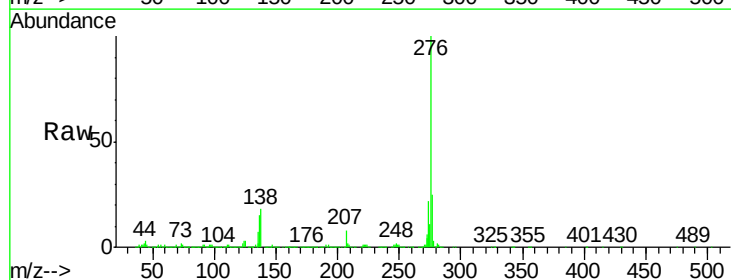
Delta R.T. 0.00 min

Lab File: BM006991.D

Acq: 09 Aug 2016 20:44

Tgt Ion:276 Resp: 2612117

Ion	Ratio	Lower	Upper
276	100		
138	17.5	14.0	21.0
277	24.5	19.6	29.4



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

