

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080916\
 Data File : BM006989.D
 Acq On : 09 Aug 2016 19:32
 Operator : UM/SJ
 Sample : SSTD00534
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD00534

Quant Time: Aug 10 01:21:37 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	357575	20.00	ng/ul	0.00
7) Naphthalene-d8	10.61	136	1597166	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.45	164	1058657	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.20	188	2636955	20.00	ng/ul	0.00
29) Chrysene-d12	21.37	240	3237805	20.00	ng/ul	0.00
34) Perylene-d12	23.65	264	3077946	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.33	96	17086	2.19	ng/uL	0.00
3) Phenol-d5	6.97	99	152333	4.49	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.16	67	93278	4.51	ng/ul	0.00
5) 2-Chlorophenol-d4	7.35	132	118398	4.89	ng/ul	0.00
6) 4-Methylphenol-d8	8.52	113	129342	4.55	ng/ul	0.00
8) Nitrobenzene-d5	8.97	128	60709	5.09	ng/ul	0.00
9) 2-Nitrophenol-d4	9.69	143	67379	4.79	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.22	165	134258	4.97	ng/ul	0.00
12) 4-Chloroaniline-d4	10.74	131	145073	4.50	ng/ul	0.00
16) Dimethylphthalate-d6	13.86	166	470150	5.06	ng/ul	0.00
17) Acenaphthylene-d8	14.14	160	548710	5.09	ng/ul	0.00
20) 4-Nitrophenol-d4	14.63	143	77099	5.28	ng/ul	0.00
21) Fluorene-d10	15.44	176	409215	5.17	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.56	200	51486	4.26	ng/ul	0.00
26) Anthracene-d10	17.29	188	641965	5.03	ng/ul	0.00
30) Pyrene-d10	19.58	212	761800	4.89	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.50	264	722794	4.95	ng/ul	0.00

Target Compounds

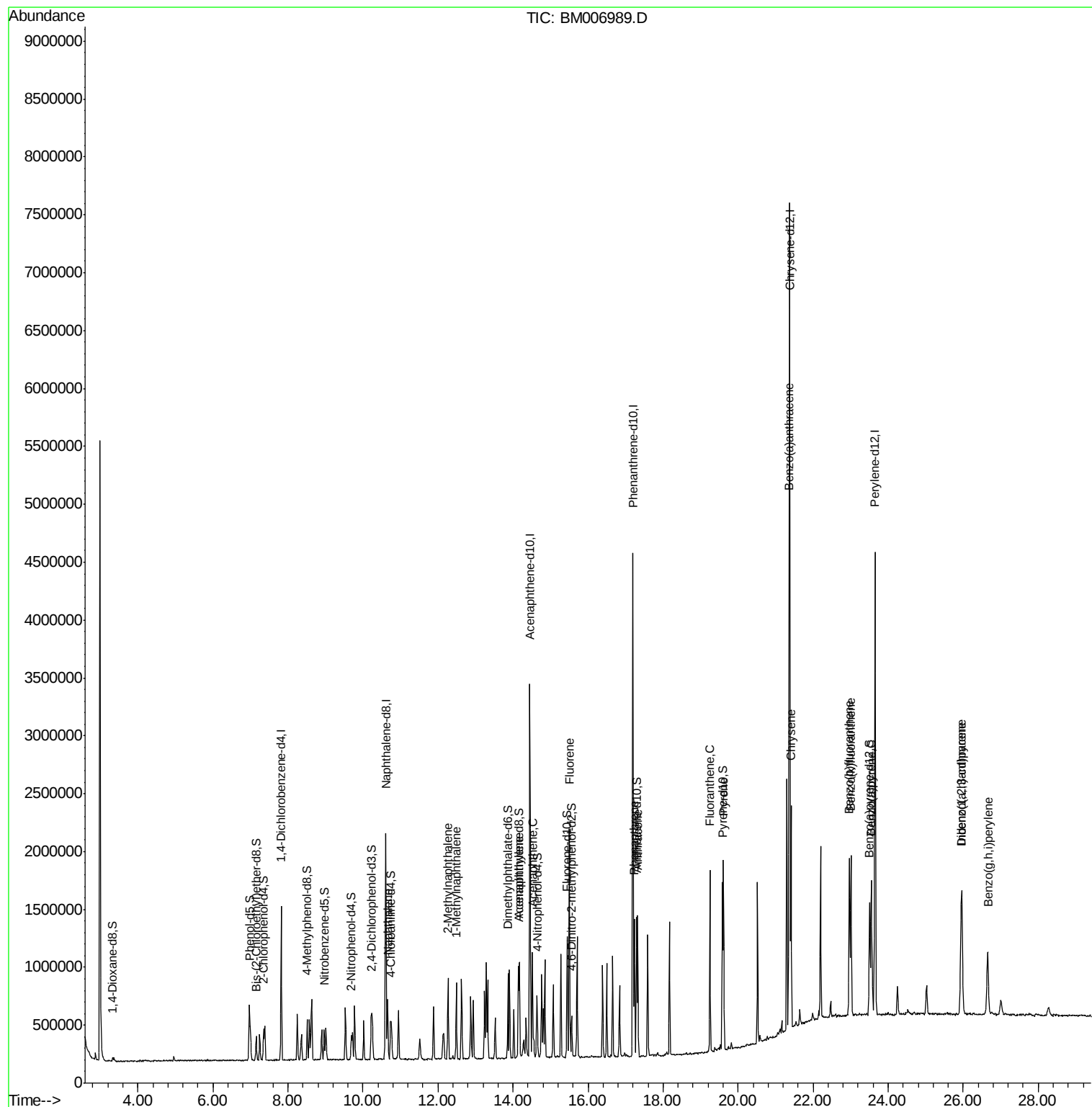
						Qvalue
11) Naphthalene	10.66	128	408451	5.00	ng/ul	100
13) 2-Methylnaphthalene	12.27	142	322152	4.93	ng/ul	99
14) 1-Methylnaphthalene	12.49	142	315659	5.03	ng/ul	97
18) Acenaphthylene	14.17	152	576362	5.11	ng/ul	100
19) Acenaphthene	14.52	153	367289	4.99	ng/ul	98
22) Fluorene	15.50	166	456223	4.96	ng/ul	96
25) Phenanthrene	17.24	178	732729	4.97	ng/ul	99
27) Anthracene	17.33	178	773941	5.03	ng/ul	98
28) Fluoranthene	19.25	202	949836	5.29	ng/ul	99
31) Pyrene	19.61	202	1001914	4.95	ng/ul	98
32) Benzo(a)anthracene	21.36	228	1026603	5.32	ng/ul	99
33) Chrysene	21.41	228	932635	5.46	ng/ul	99
35) Benzo(b)fluoranthene	22.96	252	988237	4.90	ng/ul	99
36) Benzo(k)fluoranthene	23.01	252	961443	4.98	ng/ul	98
38) Benzo(a)pyrene	23.55	252	919221	5.05	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.95	276	885570	4.83	ng/ul	99
40) Dibenzo(a,h)anthracene	25.97	278	730511	4.74	ng/ul	100
41) Benzo(g,h,i)perylene	26.66	276	722671	4.96	ng/ul	98

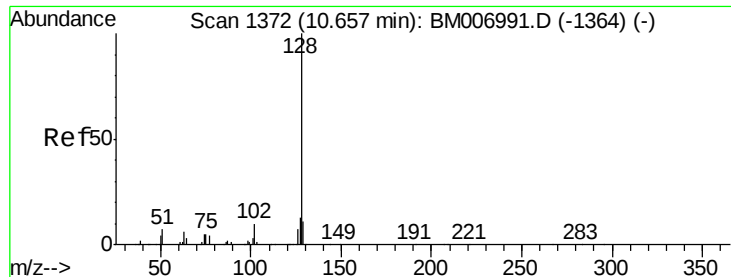
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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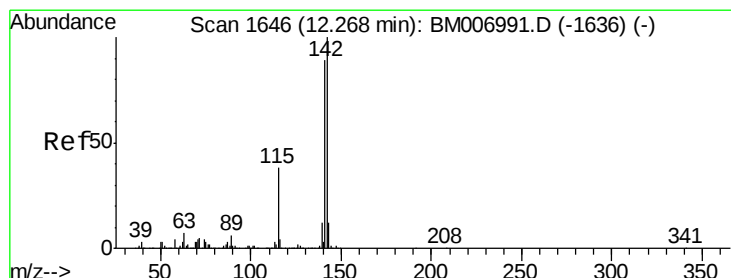
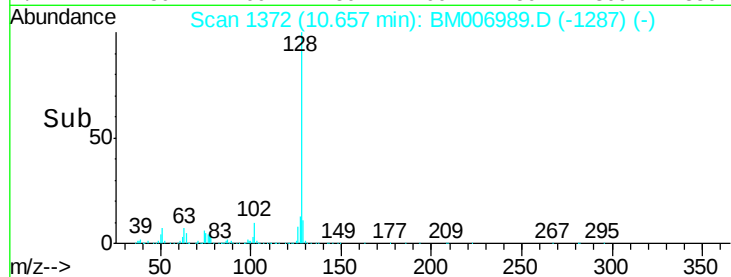
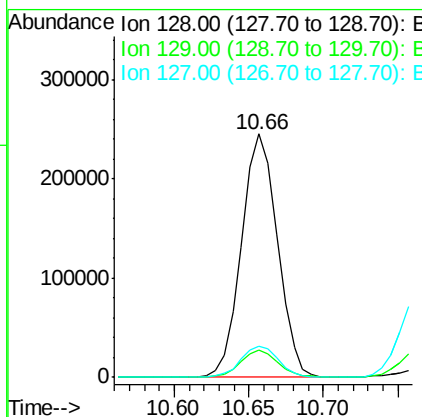
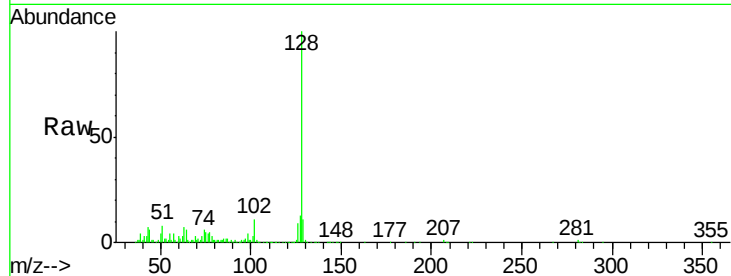




#11
Naphthalene
Concen: 5.00 ng/ul
RT: 10.66 min Scan# 1372
Delta R.T. -0.00 min
Lab File: BM006989.D
Acq: 09 Aug 2016 19:32

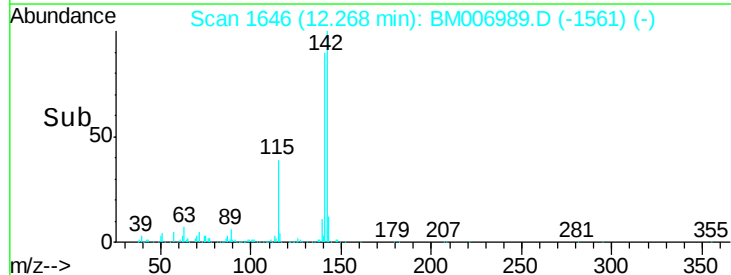
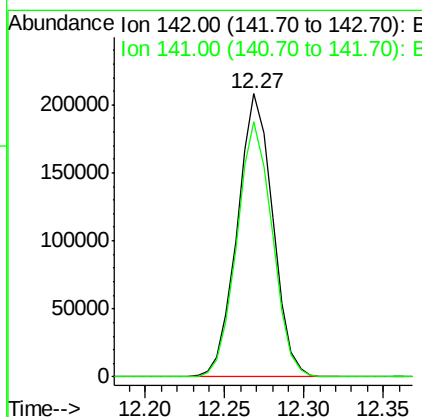
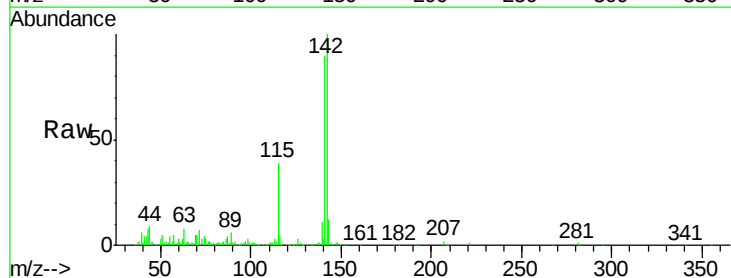
Instrument :
BNA_M
ClientSampleId :
SSTD00534

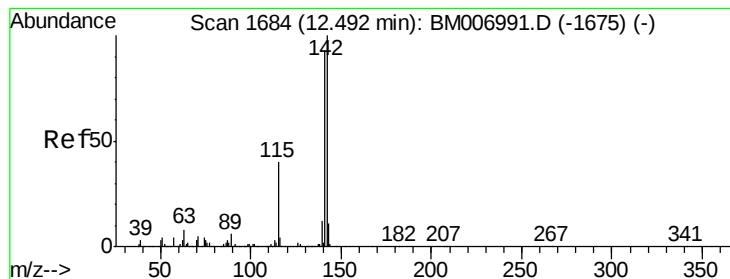
Tgt Ion:128 Resp: 408451
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 13.0 10.4 15.6



#13
2-Methylnaphthalene
Concen: 4.93 ng/ul
RT: 12.27 min Scan# 1646
Delta R.T. 0.00 min
Lab File: BM006989.D
Acq: 09 Aug 2016 19:32

Tgt Ion:142 Resp: 322152
Ion Ratio Lower Upper
142 100
141 90.0 71.0 106.6





#14

1-Methylnaphthalene

Concen: 5.03 ng/ul

RT: 12.49 min Scan# 1684

Delta R.T. -0.00 min

Lab File: BM006989.D

Acq: 09 Aug 2016 19:32

Instrument :

BNA_M

ClientSampleId :

SSTD00534

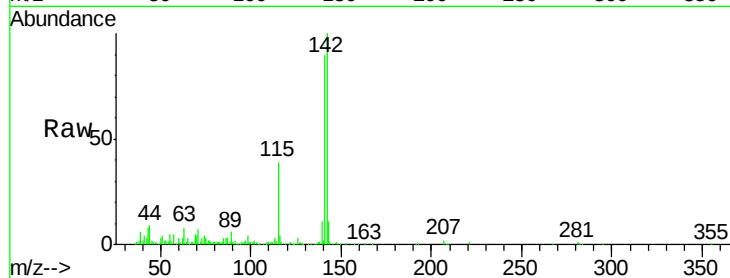
Tgt Ion:142 Resp: 315659

Ion Ratio Lower Upper

142 100

141 90.1 74.4 111.6

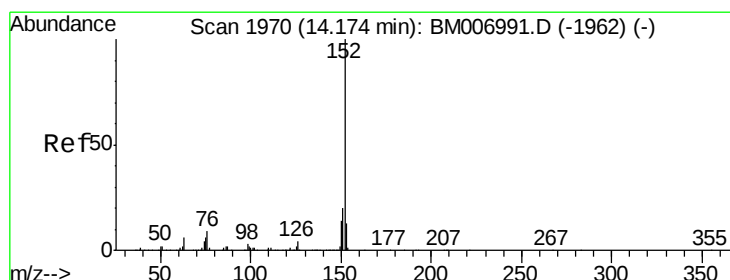
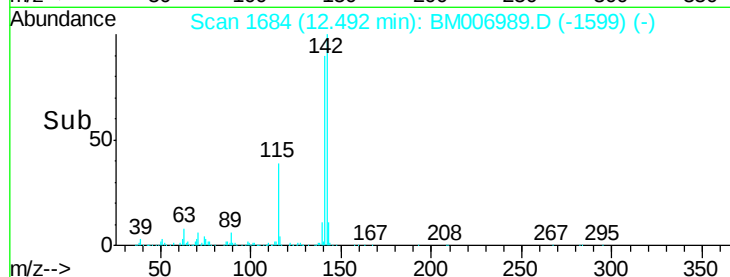
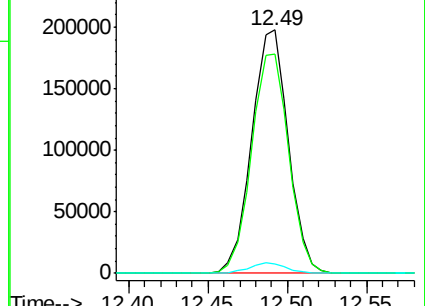
116 3.8 3.2 4.8



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: 5.11 ng/ul

RT: 14.17 min Scan# 1970

Delta R.T. -0.00 min

Lab File: BM006989.D

Acq: 09 Aug 2016 19:32

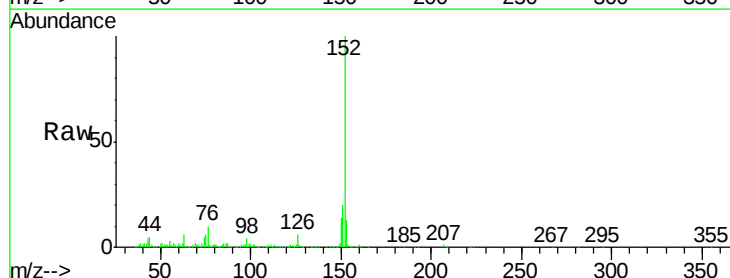
Tgt Ion:152 Resp: 576362

Ion Ratio Lower Upper

152 100

151 19.9 16.1 24.1

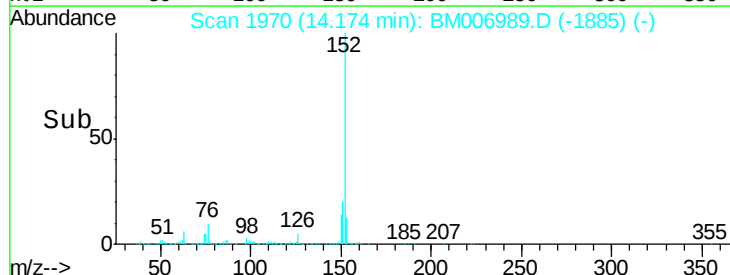
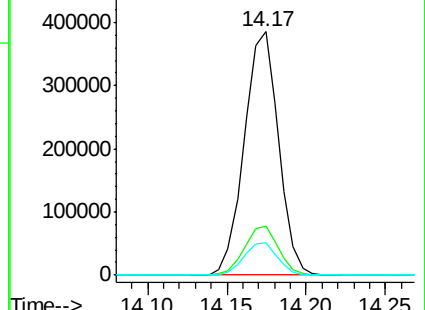
153 13.1 10.4 15.6

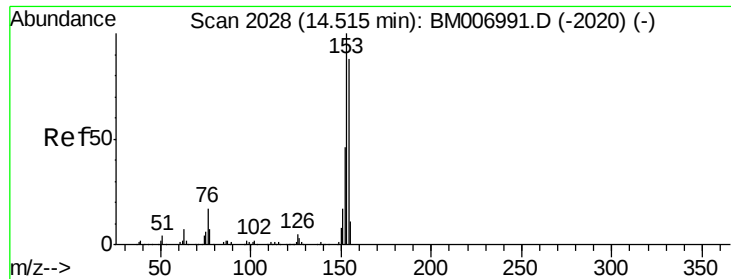


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#19

Acenaphthene

Concen: 4.99 ng/ul

RT: 14.52 min Scan# 2028

Delta R.T. -0.00 min

Lab File: BM006989.D

Acq: 09 Aug 2016 19:32

Instrument :

BNA_M

ClientSampleId :

SSTD00534

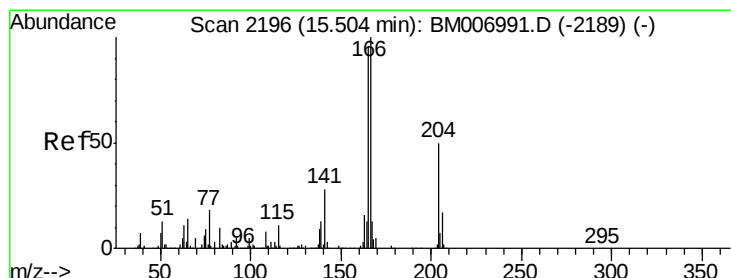
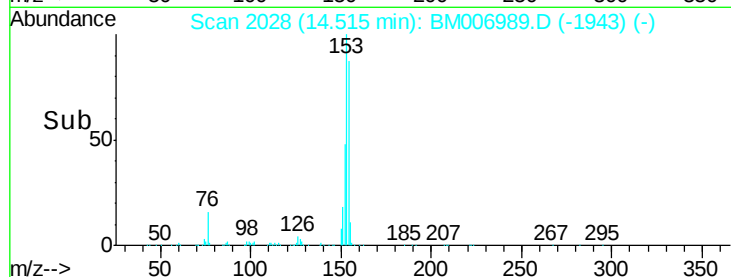
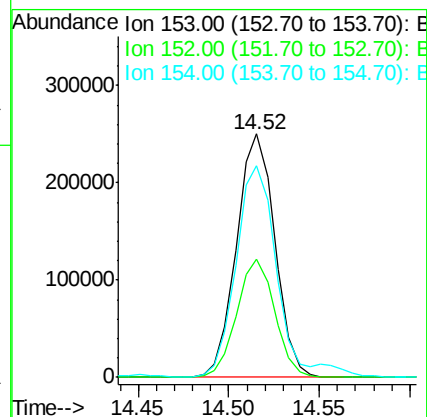
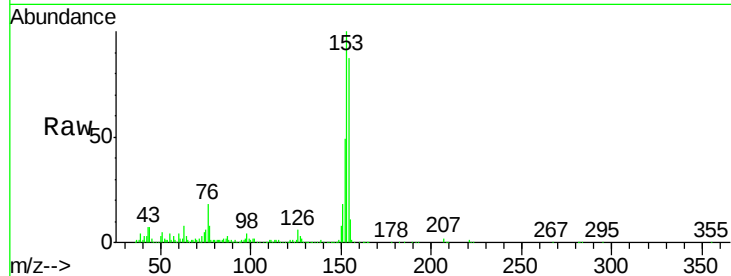
Tgt Ion:153 Resp: 367289

Ion Ratio Lower Upper

153 100

152 48.7 37.0 55.6

154 87.2 70.9 106.3



#22

Fluorene

Concen: 4.96 ng/ul

RT: 15.50 min Scan# 2195

Delta R.T. -0.01 min

Lab File: BM006989.D

Acq: 09 Aug 2016 19:32

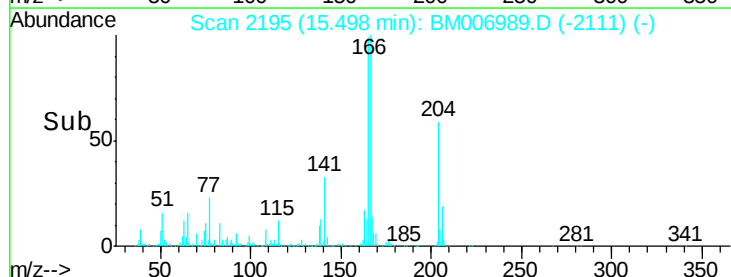
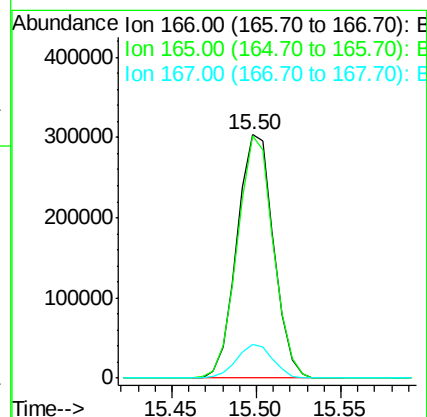
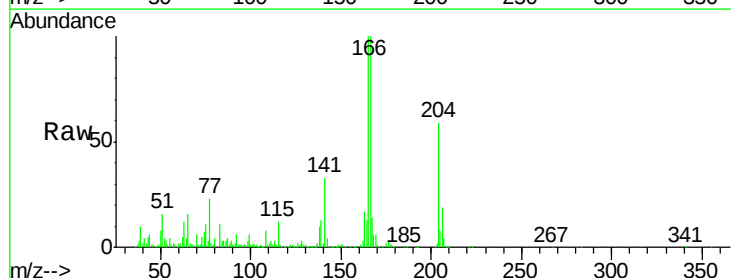
Tgt Ion:166 Resp: 456223

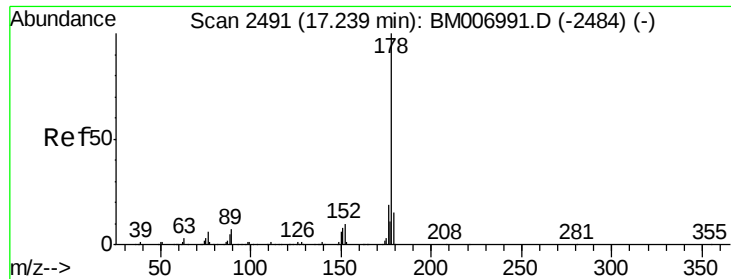
Ion Ratio Lower Upper

166 100

165 99.6 76.6 115.0

167 14.1 10.7 16.1





#25

Phenanthrene

Concen: 4.97 ng/ul

RT: 17.24 min Scan# 2491

Delta R.T. 0.00 min

Lab File: BM006989.D

Acq: 09 Aug 2016 19:32

Instrument :

BNA_M

ClientSampleId :

SSTD00534

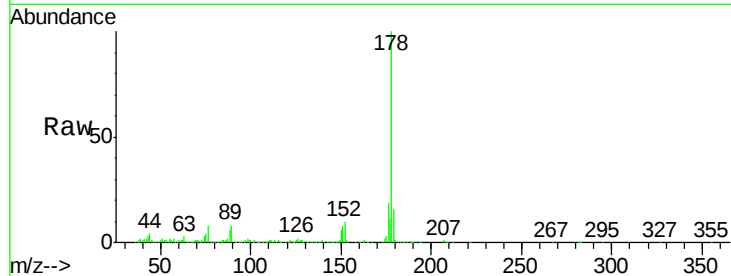
Tgt Ion:178 Resp: 732729

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.2

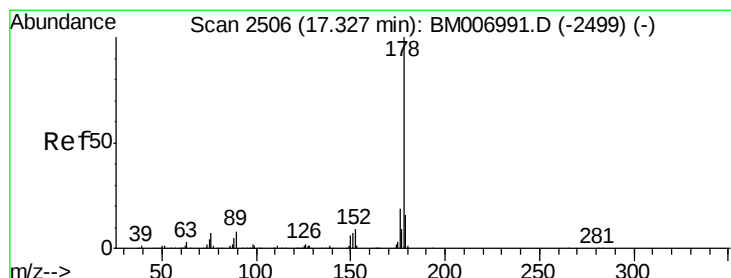
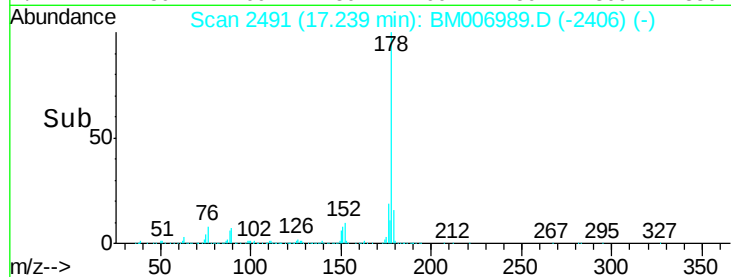
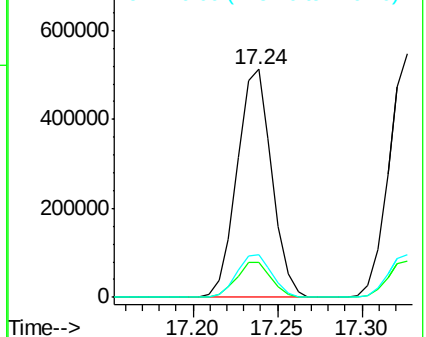
176 18.6 15.2 22.8



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: 5.03 ng/ul

RT: 17.33 min Scan# 2506

Delta R.T. -0.00 min

Lab File: BM006989.D

Acq: 09 Aug 2016 19:32

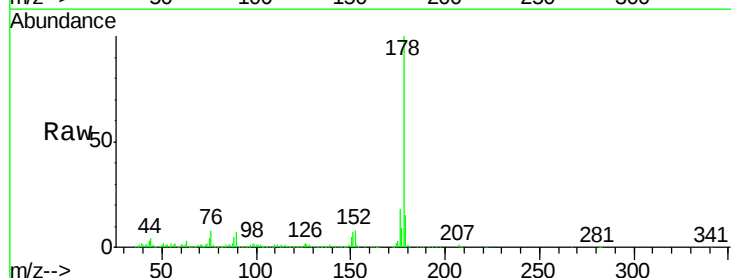
Tgt Ion:178 Resp: 773941

Ion Ratio Lower Upper

178 100

179 14.7 12.5 18.7

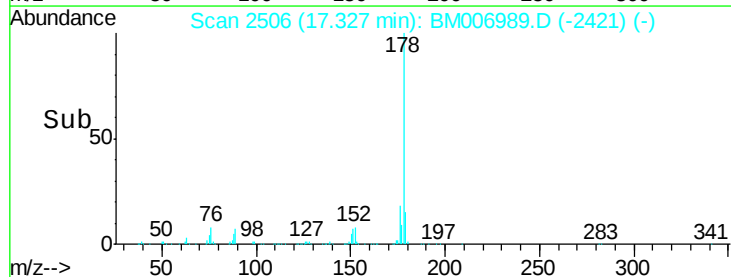
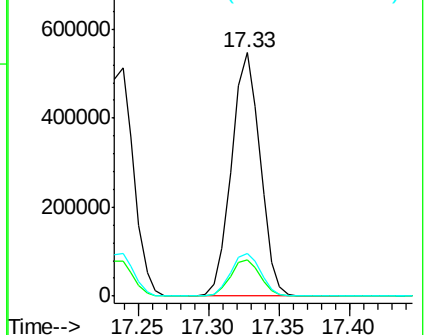
176 17.6 15.0 22.4

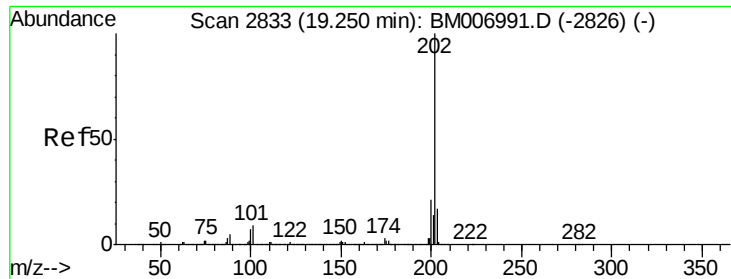


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 5.29 ng/ul

RT: 19.25 min Scan# 2833

Delta R.T. 0.00 min

Lab File: BM006989.D

Acq: 09 Aug 2016 19:32

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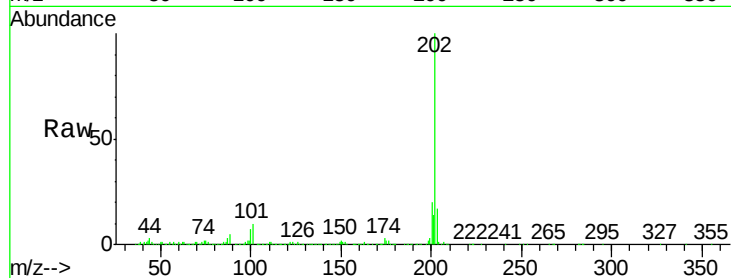
Tgt Ion:202 Resp: 949836

Ion Ratio Lower Upper

202 100

101 9.7 7.4 11.2

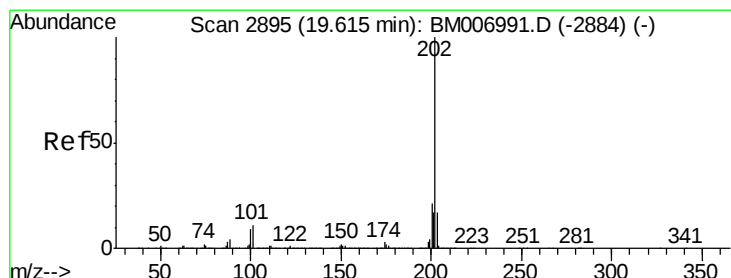
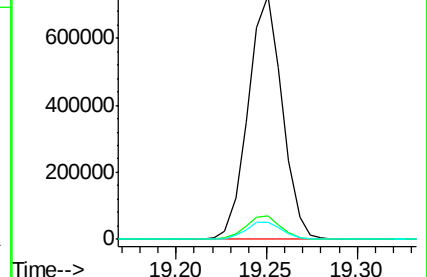
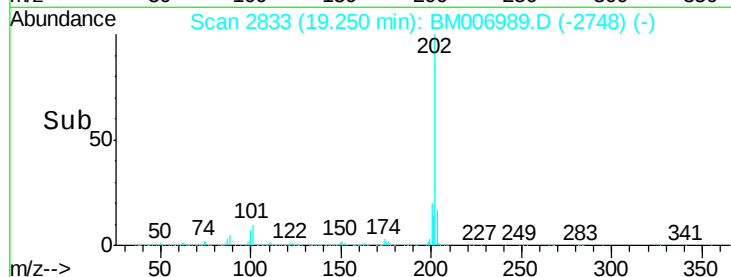
100 7.0 5.8 8.6



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: 4.95 ng/ul

RT: 19.61 min Scan# 2894

Delta R.T. -0.01 min

Lab File: BM006989.D

Acq: 09 Aug 2016 19:32

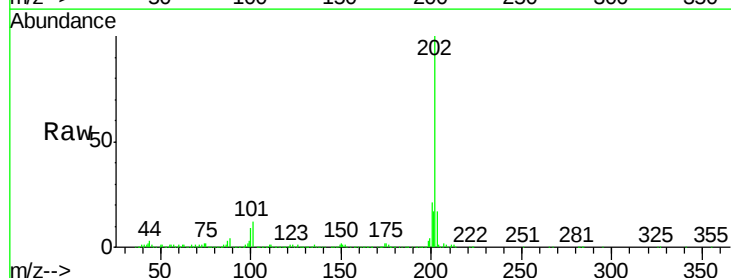
Tgt Ion:202 Resp: 1001914

Ion Ratio Lower Upper

202 100

101 11.5 8.5 12.7

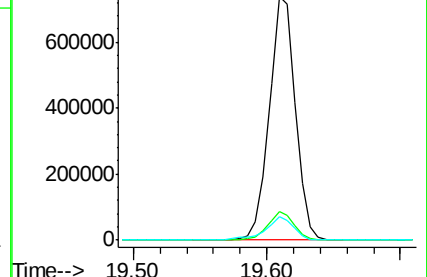
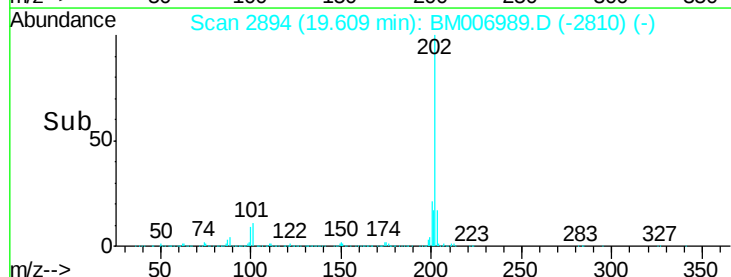
100 9.5 7.1 10.7

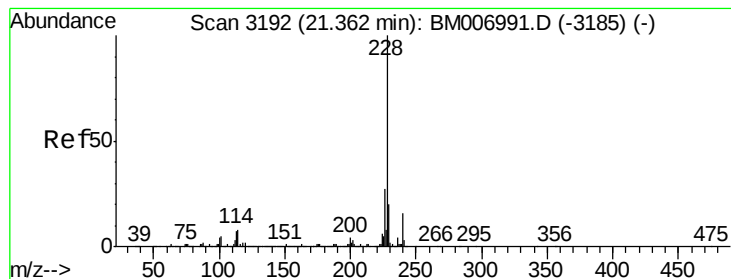


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 5.32 ng/ul

RT: 21.36 min Scan# 3191

Delta R.T. -0.01 min

Lab File: BM006989.D

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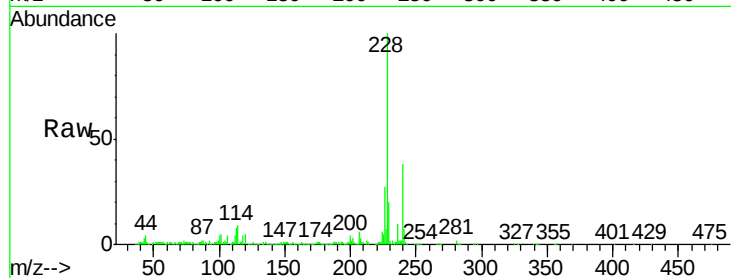
Tgt Ion:228 Resp: 1026603

Ion Ratio Lower Upper

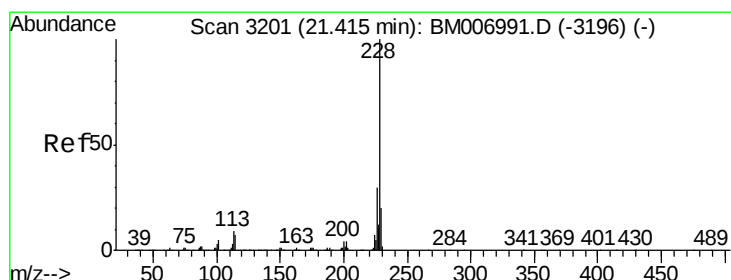
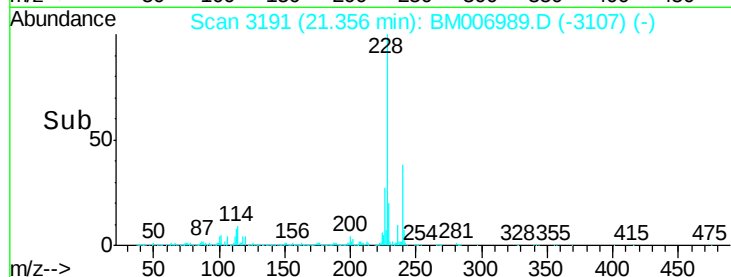
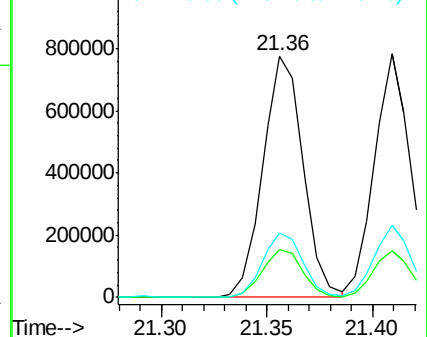
228 100

229 19.8 15.8 23.6

226 26.9 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: 5.46 ng/ul

RT: 21.41 min Scan# 3200

Delta R.T. -0.01 min

Lab File: BM006989.D

Acq: 09 Aug 2016 19:32

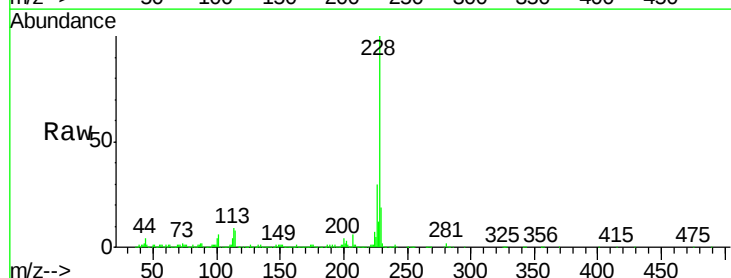
Tgt Ion:228 Resp: 932635

Ion Ratio Lower Upper

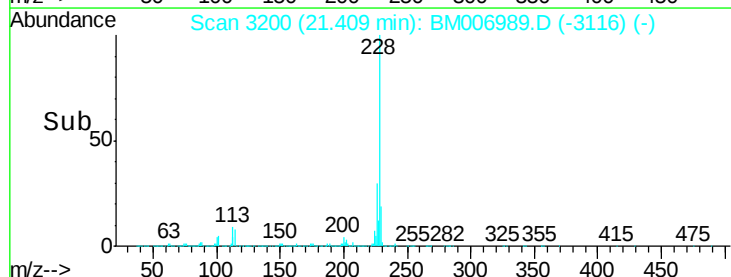
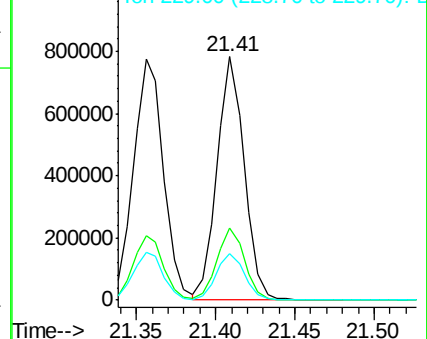
228 100

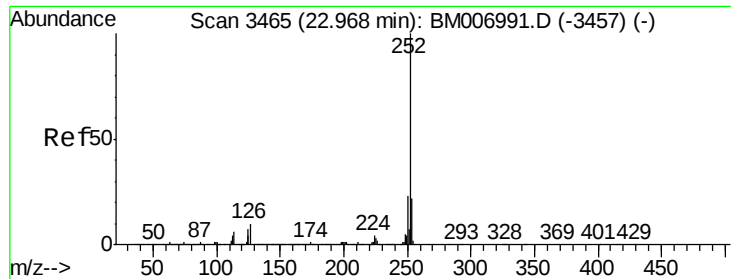
226 29.7 24.2 36.4

229 19.1 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: 4.90 ng/ul

RT: 22.96 min Scan# 3464

Delta R.T. -0.01 min

Lab File: BM006989.D

Acq: 09 Aug 2016 19:32

Instrument :

BNA_M

ClientSampleId :

SSTD00534

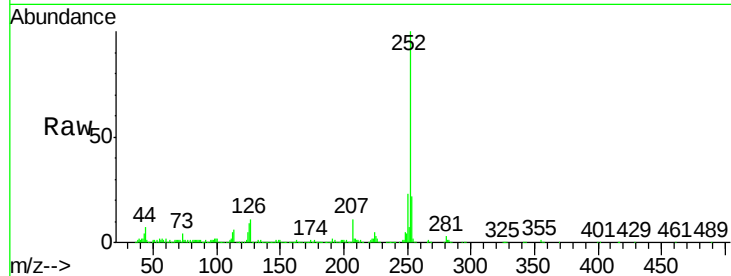
Tgt Ion:252 Resp: 988237

Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.2

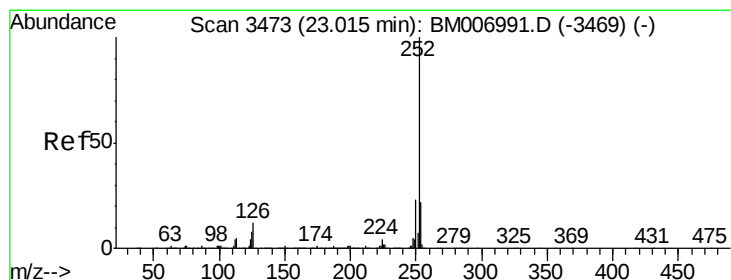
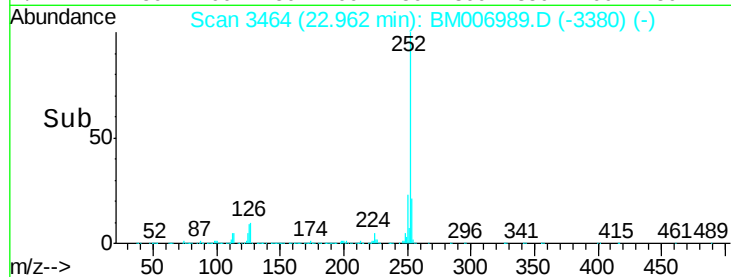
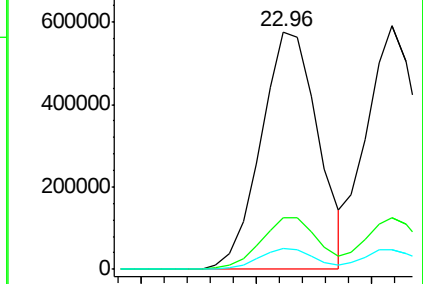
125 9.0 6.0 9.0



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: 4.98 ng/ul

RT: 23.01 min Scan# 3472

Delta R.T. -0.01 min

Lab File: BM006989.D

Acq: 09 Aug 2016 19:32

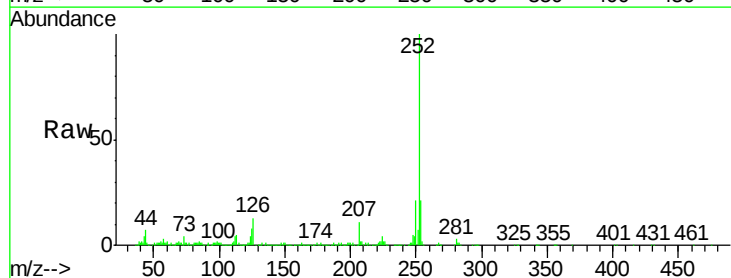
Tgt Ion:252 Resp: 961443

Ion Ratio Lower Upper

252 100

253 21.0 17.8 26.6

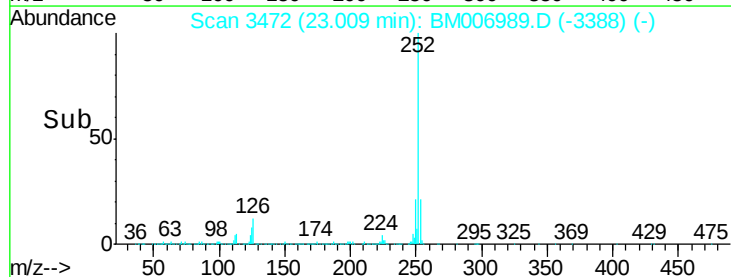
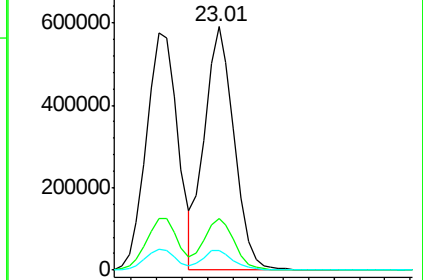
125 8.2 6.2 9.4

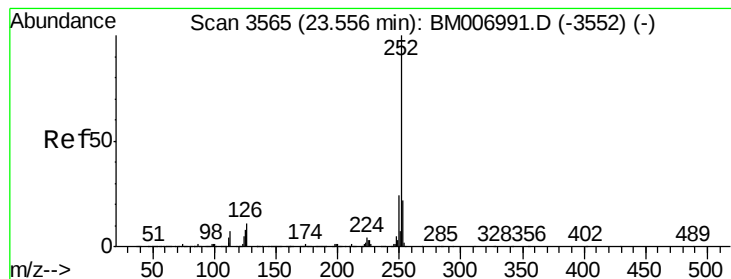


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 5.05 ng/ul

RT: 23.55 min Scan# 3564

Delta R.T. -0.01 min

Lab File: BM006989.D

Acq: 09 Aug 2016 19:32

Instrument :

BNA_M

ClientSampleId :

SSTD00534

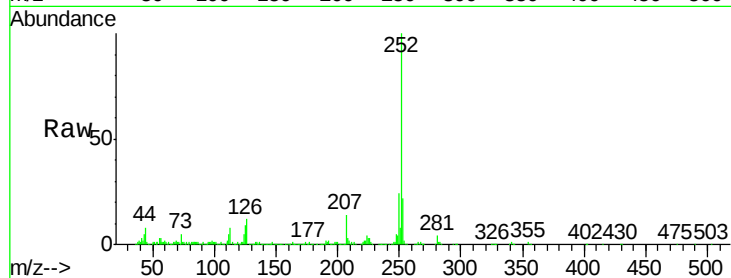
Tgt Ion:252 Resp: 919221

Ion Ratio Lower Upper

252 100

253 21.8 17.7 26.5

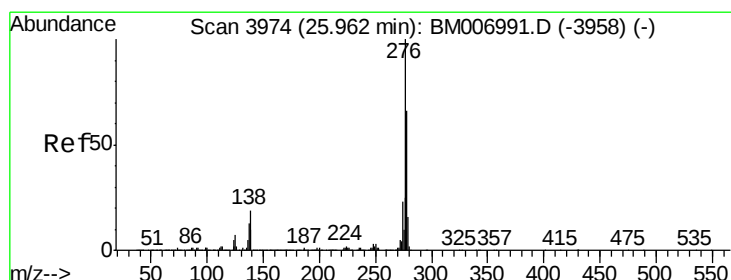
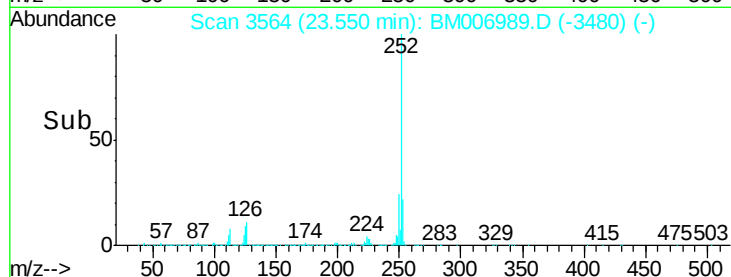
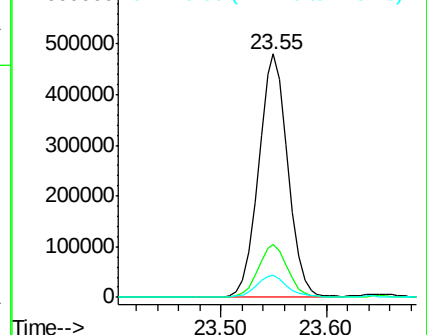
125 9.1 6.8 10.2



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: 4.83 ng/ul

RT: 25.95 min Scan# 3972

Delta R.T. -0.01 min

Lab File: BM006989.D

Acq: 09 Aug 2016 19:32

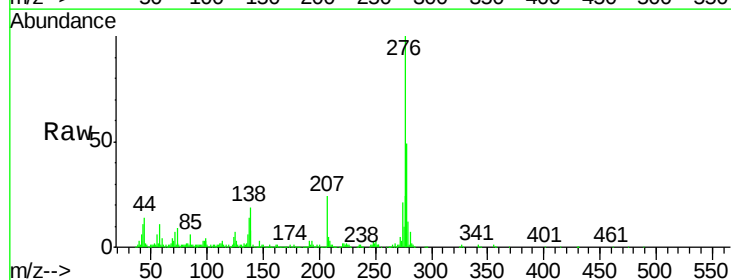
Tgt Ion:276 Resp: 885570

Ion Ratio Lower Upper

276 100

138 18.6 14.9 22.3

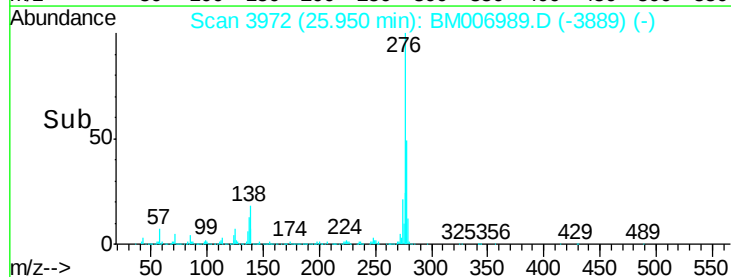
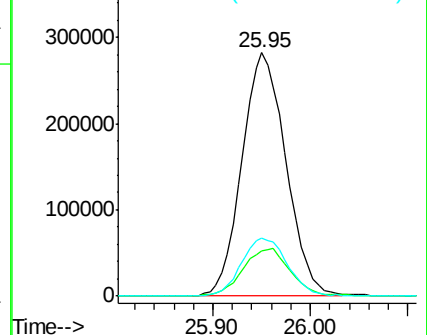
277 24.0 19.8 29.6

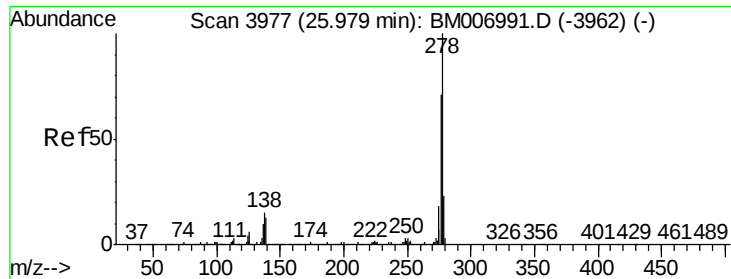


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#40

Dibenzo(a,h)anthracene

Concen: 4.74 ng/ul

RT: 25.97 min Scan# 3975

Delta R.T. -0.01 min

Lab File: BM006989.D

Acq: 09 Aug 2016 19:32

Instrument :

BNA_M

ClientSampleId :

SSTD00534

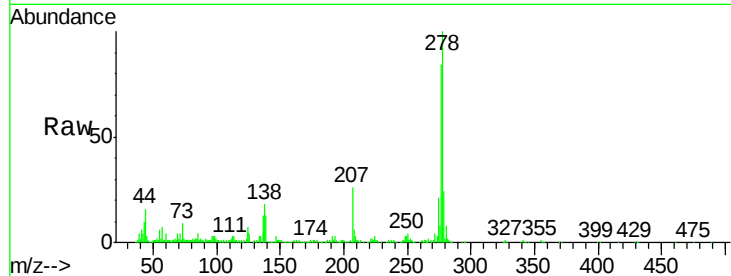
Tgt Ion:278 Resp: 730511

Ion Ratio Lower Upper

278 100

139 13.3 10.3 15.5

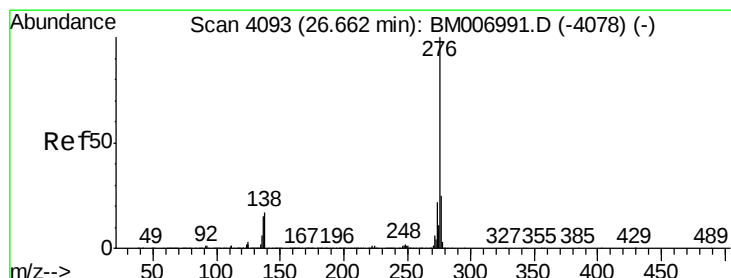
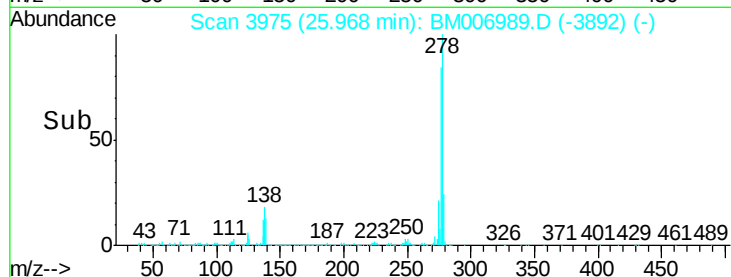
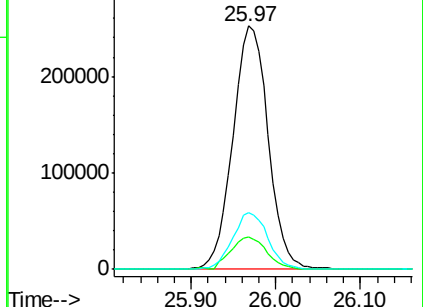
279 23.5 18.8 28.2



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: 4.96 ng/ul

RT: 26.66 min Scan# 4092

Delta R.T. -0.01 min

Lab File: BM006989.D

Acq: 09 Aug 2016 19:32

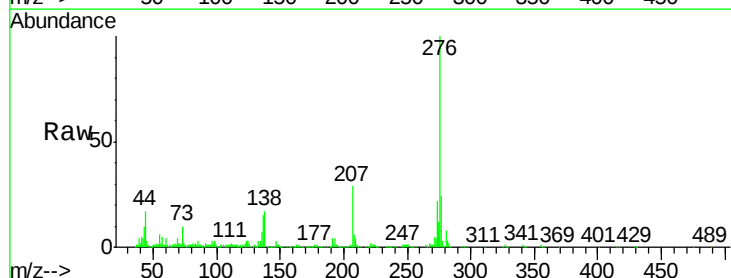
Tgt Ion:276 Resp: 722671

Ion Ratio Lower Upper

276 100

138 16.5 14.0 21.0

277 23.6 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

