

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080916\
 Data File : BM006992.D
 Acq On : 09 Aug 2016 21:20
 Operator : UM/SJ
 Sample : SSTD04037
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD04037

Quant Time: Aug 10 01:22:18 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	330384	20.00	ng/ul	0.00
7) Naphthalene-d8	10.61	136	1513452	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.45	164	998404	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.20	188	2471613	20.00	ng/ul	0.00
29) Chrysene-d12	21.38	240	2924780	20.00	ng/ul	0.00
34) Perylene-d12	23.66	264	2720300	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.33	96	112556	15.60	ng/uL	0.00
3) Phenol-d5	6.98	99	1181656	37.67	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.16	67	658788	34.44	ng/ul	0.00
5) 2-Chlorophenol-d4	7.36	132	898044	40.14	ng/ul	0.00
6) 4-Methylphenol-d8	8.52	113	999788	38.08	ng/ul	0.00
8) Nitrobenzene-d5	8.97	128	462388	40.90	ng/ul	0.00
9) 2-Nitrophenol-d4	9.69	143	534629	40.11	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.23	165	1036822	40.52	ng/ul	0.00
12) 4-Chloroaniline-d4	10.75	131	1282514	41.98	ng/ul	0.00
16) Dimethylphthalate-d6	13.87	166	3337161	38.10	ng/ul	0.00
17) Acenaphthylene-d8	14.14	160	3930007	38.65	ng/ul	0.00
20) 4-Nitrophenol-d4	14.64	143	622628	45.24	ng/ul	0.00
21) Fluorene-d10	15.44	176	2813217	37.66	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.56	200	558712	49.35	ng/ul	0.00
26) Anthracene-d10	17.30	188	4507783	37.69	ng/ul	0.00
30) Pyrene-d10	19.59	212	5267563	37.45	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.51	264	4957567	38.40	ng/ul	0.00

Target Compounds

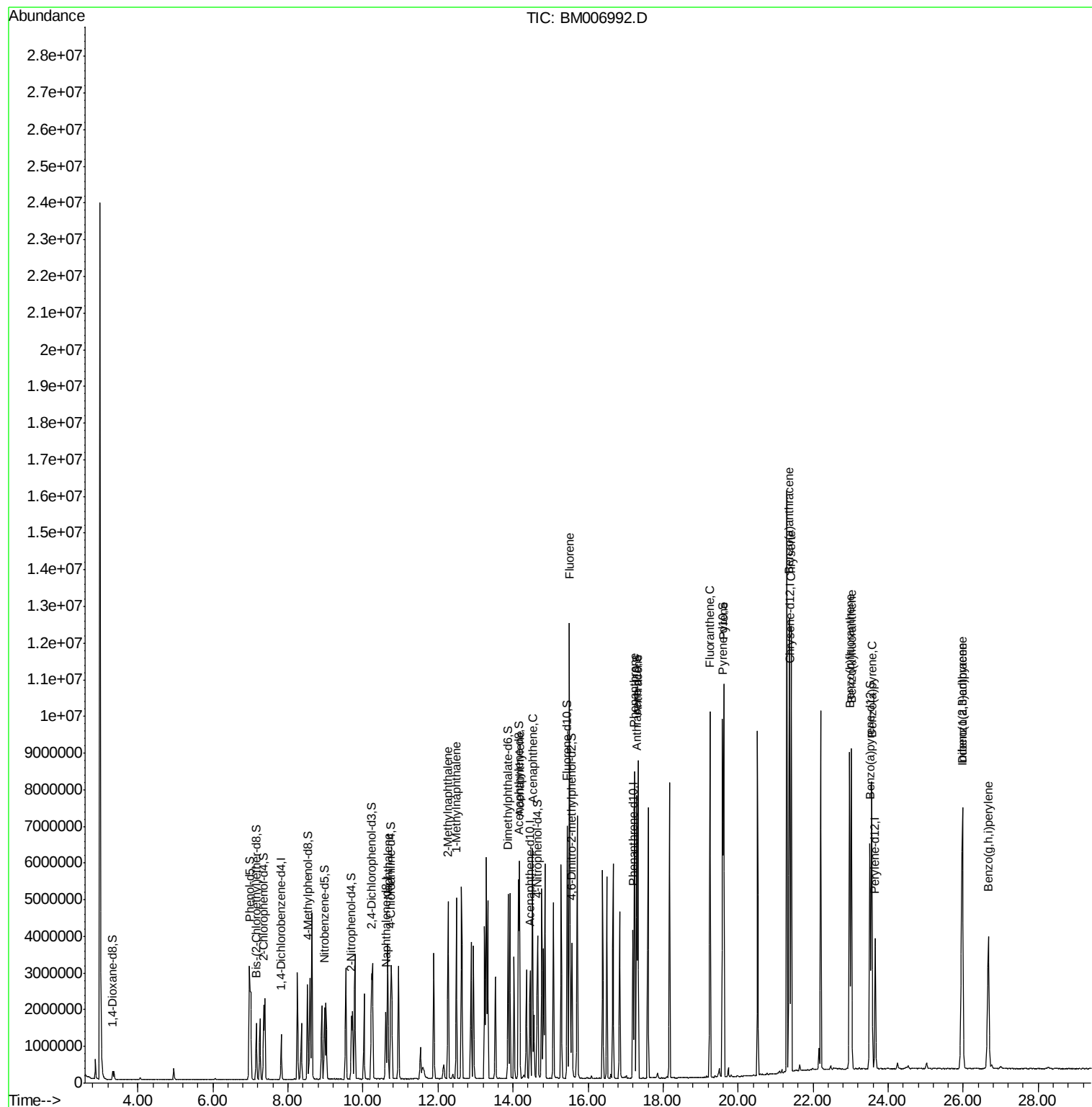
						Qvalue
11) Naphthalene	10.66	128	3011247	38.88	ng/ul	99
13) 2-Methylnaphthalene	12.27	142	2371718	38.29	ng/ul	99
14) 1-Methylnaphthalene	12.49	142	2254219	37.91	ng/ul	99
18) Acenaphthylene	14.17	152	4055290	38.10	ng/ul	99
19) Acenaphthene	14.52	153	2618869	37.69	ng/ul	99
22) Fluorene	15.50	166	3040650	35.04	ng/ul	97
25) Phenanthrene	17.24	178	5201833	37.62	ng/ul	99
27) Anthracene	17.33	178	5335308	36.98	ng/ul	99
28) Fluoranthene	19.25	202	6489161	38.58	ng/ul	99
31) Pyrene	19.62	202	6624642	36.24	ng/ul	99
32) Benzo(a)anthracene	21.36	228	6724649	38.61	ng/ul	99
33) Chrysene	21.42	228	6060485	39.29	ng/ul	99
35) Benzo(b)fluoranthene	22.97	252	6703795	37.62	ng/ul	99
36) Benzo(k)fluoranthene	23.02	252	6149211	36.06	ng/ul	100
38) Benzo(a)pyrene	23.56	252	6087119	37.83	ng/ul	100
39) Indeno(1,2,3-cd)pyrene	25.97	276	6006196	37.07	ng/ul	99
40) Dibenzo(a,h)anthracene	25.99	278	5001236	36.75	ng/ul	99
41) Benzo(g,h,i)perylene	26.67	276	4922260	38.20	ng/ul	98

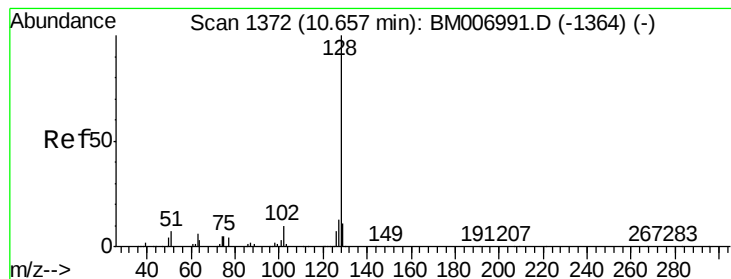
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#11

Naphthalene

Concen: 38.88 ng/ul

RT: 10.66 min Scan# 1372

Delta R.T. 0.00 min

Lab File: BM006992.D

Acq: 09 Aug 2016 21:20

Instrument :

BNA_M

ClientSampleId :

SSTD04037

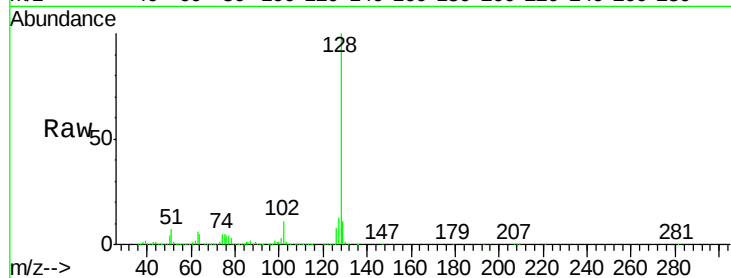
Tgt Ion:128 Resp: 3011247

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

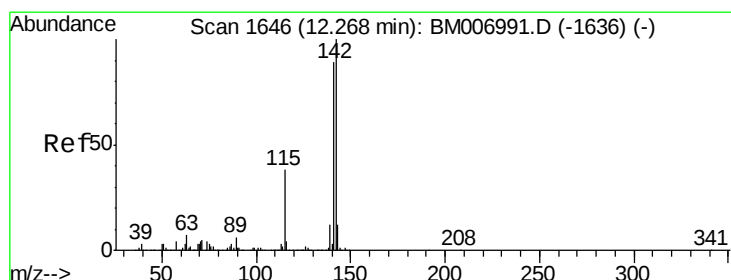
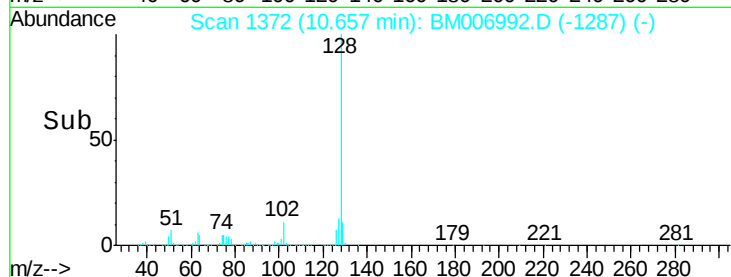
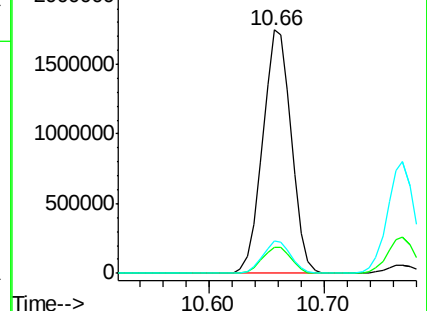
127 13.2 10.4 15.6



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: 38.29 ng/ul

RT: 12.27 min Scan# 1646

Delta R.T. 0.00 min

Lab File: BM006992.D

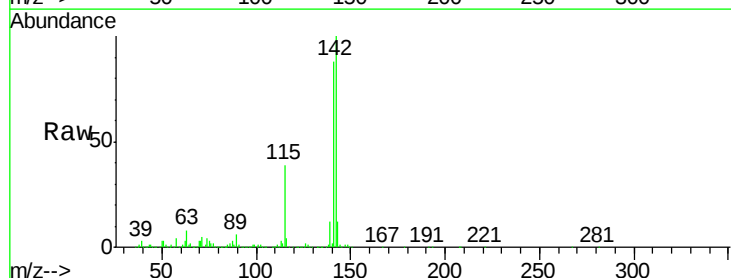
Acq: 09 Aug 2016 21:20

Tgt Ion:142 Resp: 2371718

Ion Ratio Lower Upper

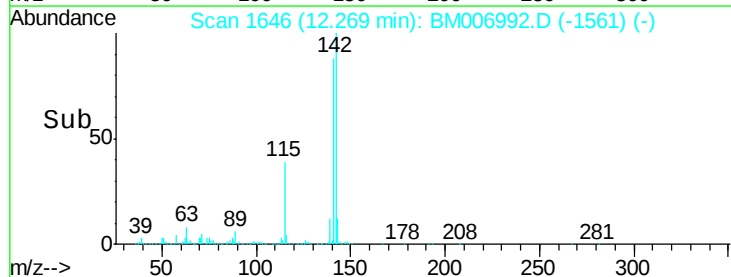
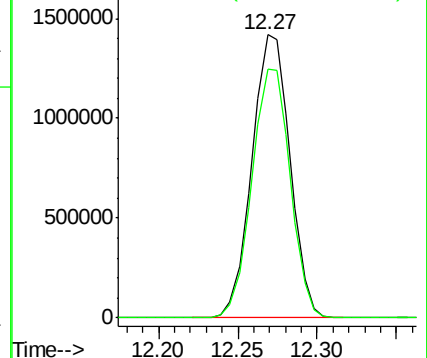
142 100

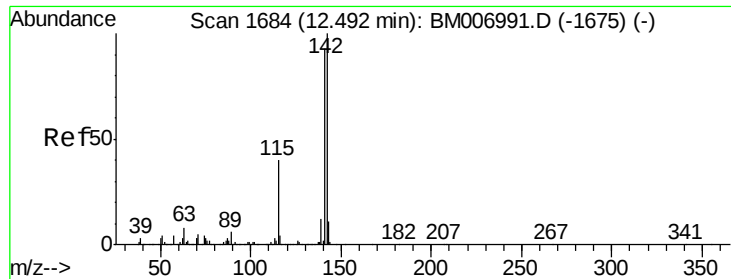
141 88.1 71.0 106.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

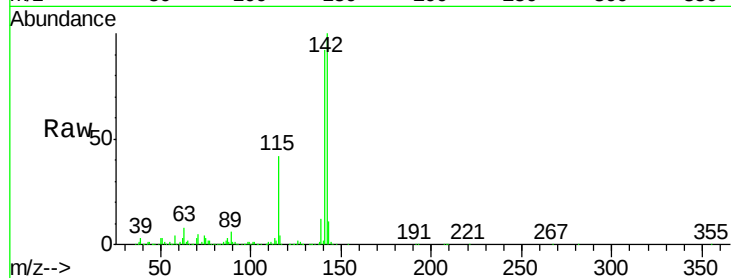




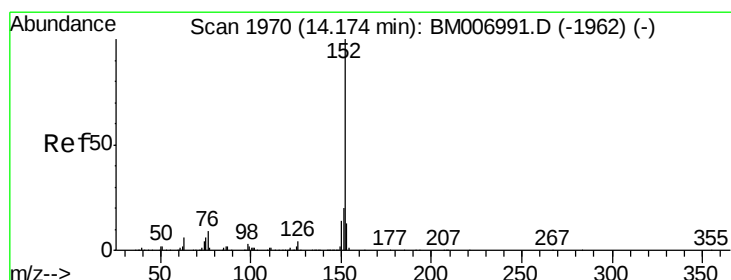
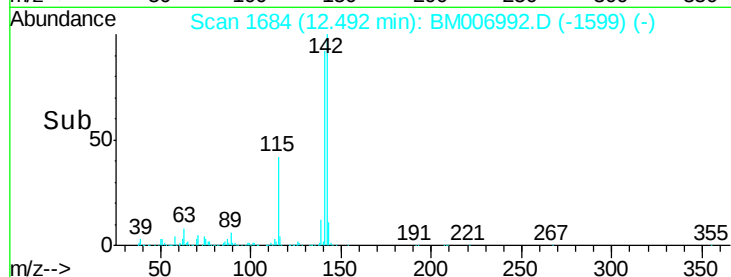
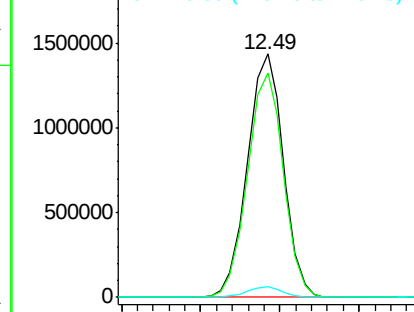
#14
 1-Methylnaphthalene
 Concen: 37.91 ng/ul
 RT: 12.49 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: BM006992.D
 Acq: 09 Aug 2016 21:20

Instrument :
 BNA_M
 ClientSampleId :
 SSTD04037

Tgt Ion:142 Resp: 2254219
 Ion Ratio Lower Upper
 142 100
 141 92.0 74.4 111.6
 116 4.2 3.2 4.8

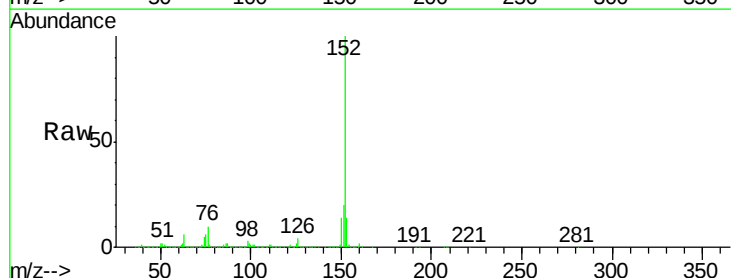


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

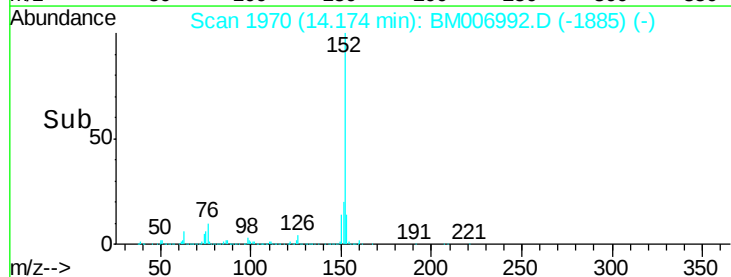
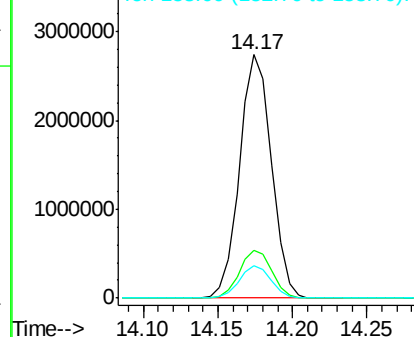


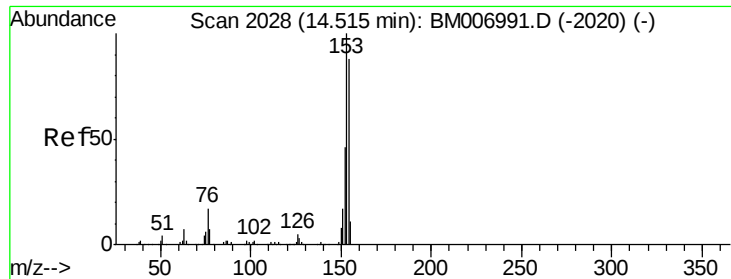
#18
 Acenaphthylene
 Concen: 38.10 ng/ul
 RT: 14.17 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: BM006992.D
 Acq: 09 Aug 2016 21:20

Tgt Ion:152 Resp: 4055290
 Ion Ratio Lower Upper
 152 100
 151 19.7 16.1 24.1
 153 13.6 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: 37.69 ng/ul

RT: 14.52 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BM006992.D

Acq: 09 Aug 2016 21:20

Instrument :

BNA_M

ClientSampleId :

SSTD04037

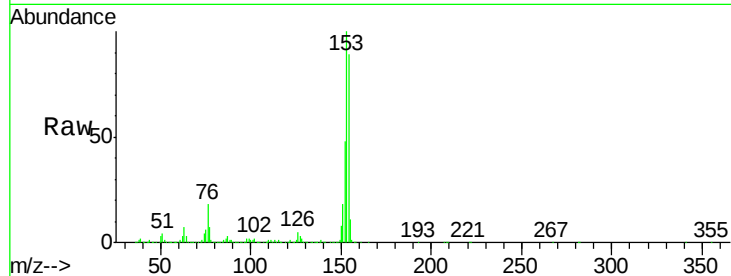
Tgt Ion:153 Resp: 2618869

Ion Ratio Lower Upper

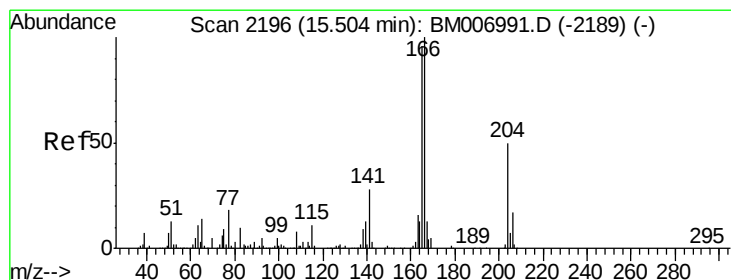
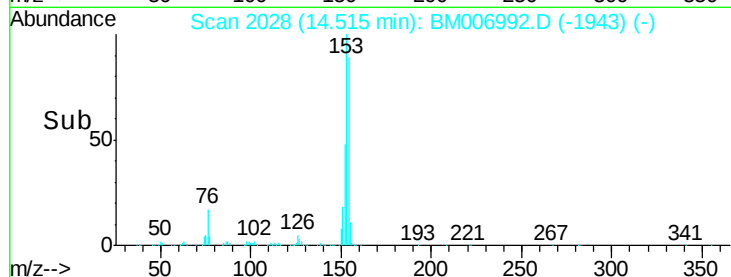
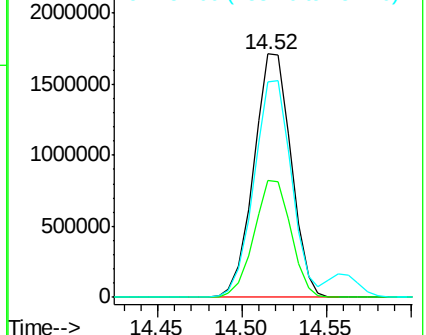
153 100

152 47.8 37.0 55.6

154 88.7 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: 35.04 ng/ul

RT: 15.50 min Scan# 2196

Delta R.T. 0.00 min

Lab File: BM006992.D

Acq: 09 Aug 2016 21:20

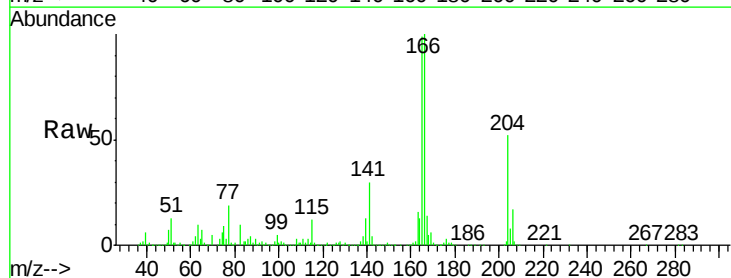
Tgt Ion:166 Resp: 3040650

Ion Ratio Lower Upper

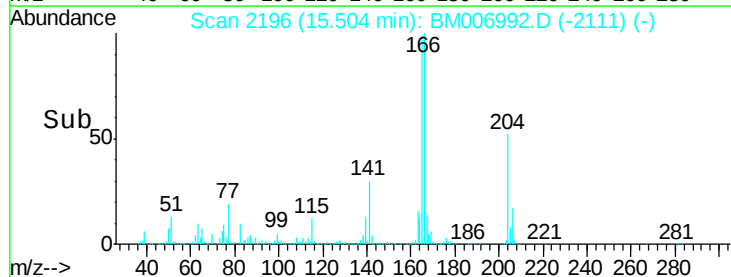
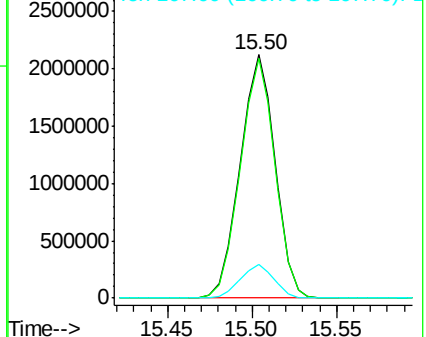
166 100

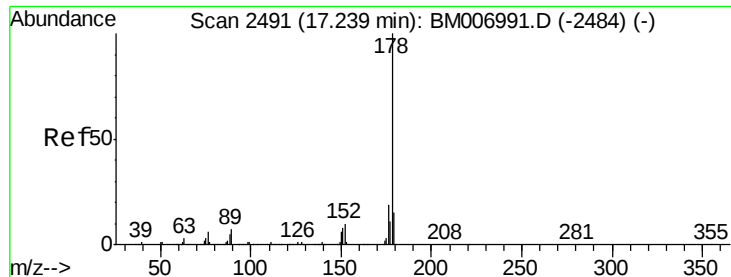
165 98.7 76.6 115.0

167 13.8 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: 37.62 ng/ul

RT: 17.24 min Scan# 2491

Delta R.T. 0.00 min

Lab File: BM006992.D

Acq: 09 Aug 2016 21:20

Instrument :

BNA_M

ClientSampleId :

SSTD04037

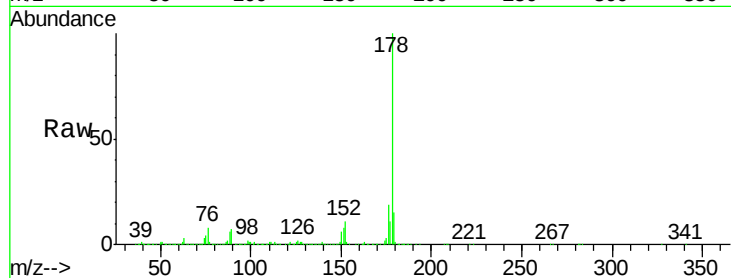
Tgt Ion:178 Resp: 5201833

Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.2

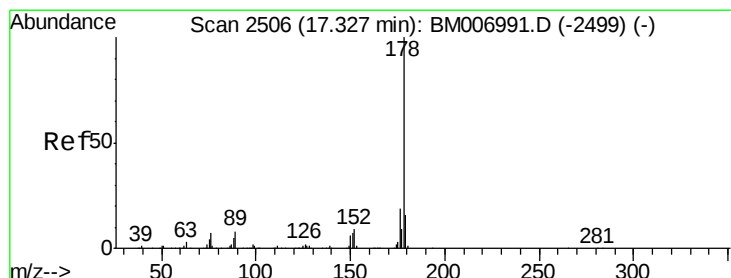
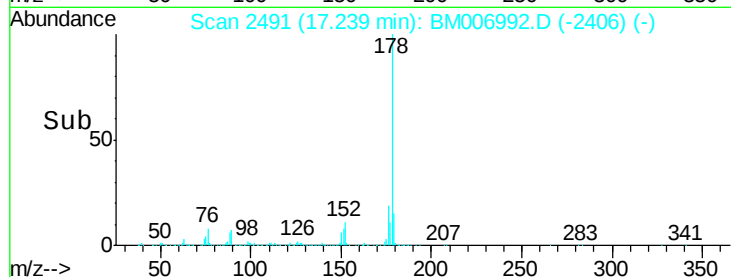
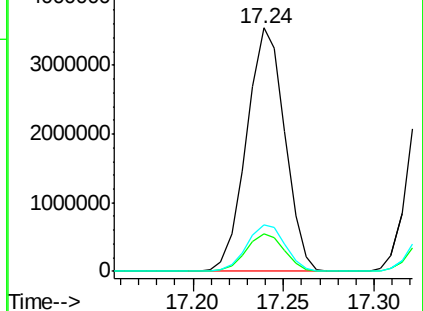
176 19.3 15.2 22.8



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: 36.98 ng/ul

RT: 17.33 min Scan# 2507

Delta R.T. 0.01 min

Lab File: BM006992.D

Acq: 09 Aug 2016 21:20

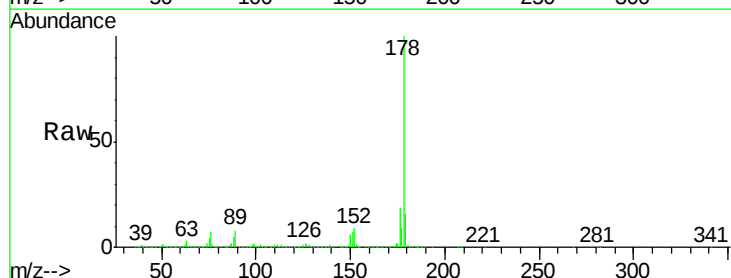
Tgt Ion:178 Resp: 5335308

Ion Ratio Lower Upper

178 100

179 15.5 12.5 18.7

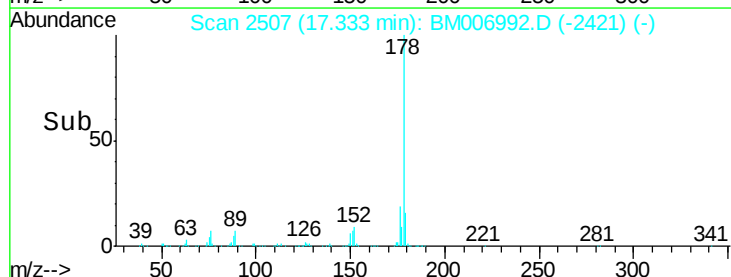
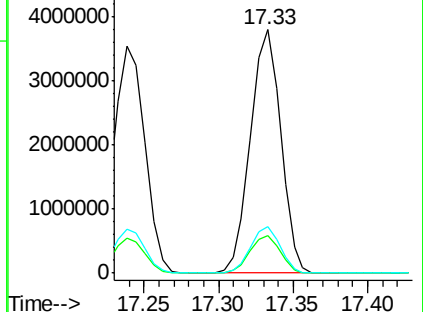
176 19.1 15.0 22.4

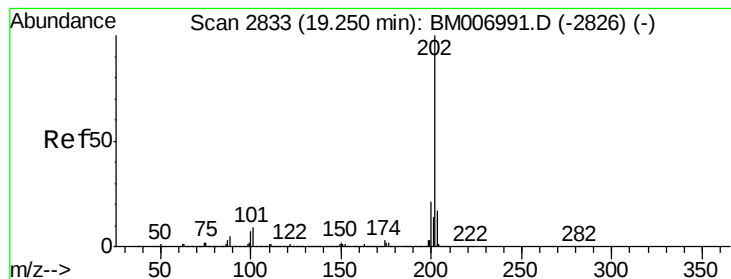


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 38.58 ng/ul

RT: 19.25 min Scan# 2833

Delta R.T. 0.00 min

Lab File: BM006992.D

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Instrument :

BNA_M

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SSTD04037

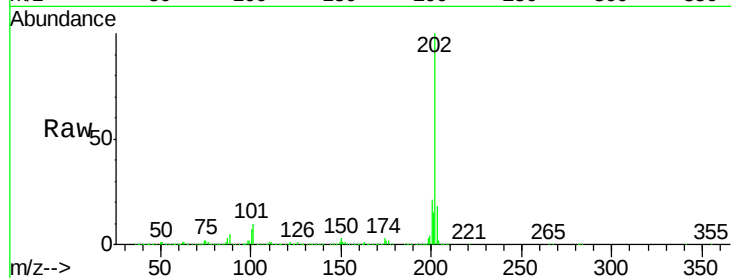
Tgt Ion:202 Resp: 6489161

Ion Ratio Lower Upper

202 100

101 9.6 7.4 11.2

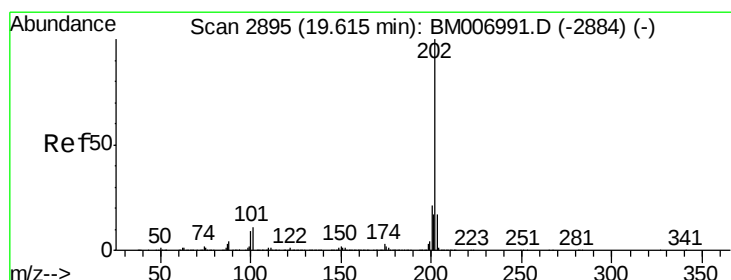
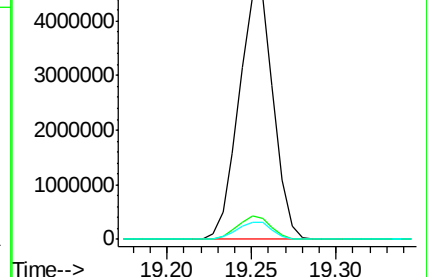
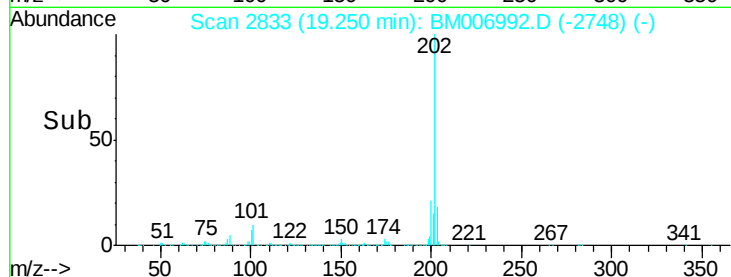
100 7.1 5.8 8.6



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: 36.24 ng/ul

RT: 19.62 min Scan# 2895

Delta R.T. 0.00 min

Lab File: BM006992.D

Acq: 09 Aug 2016 21:20

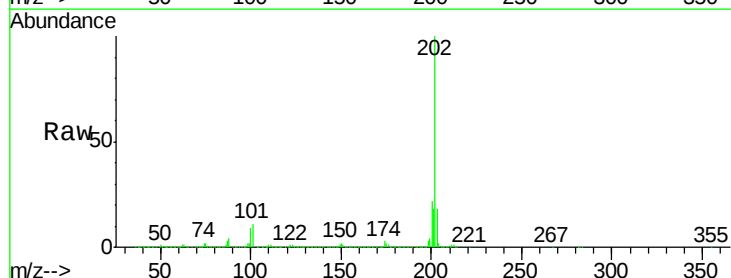
Tgt Ion:202 Resp: 6624642

Ion Ratio Lower Upper

202 100

101 11.1 8.5 12.7

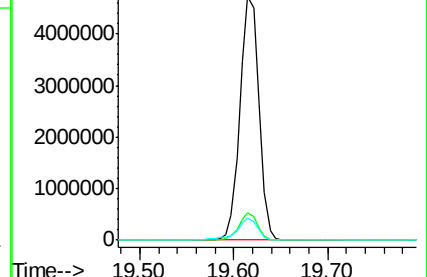
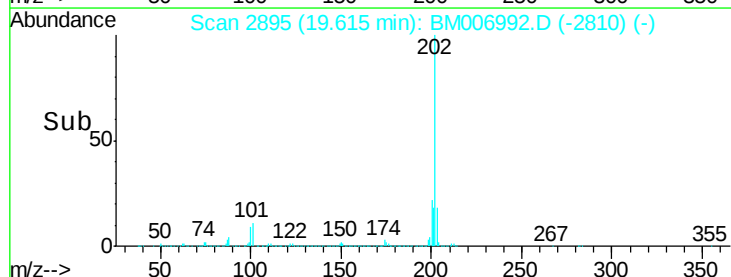
100 9.3 7.1 10.7

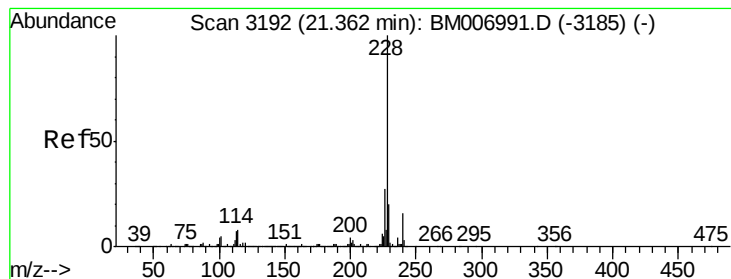


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 38.61 ng/ul

RT: 21.36 min Scan# 3192

Delta R.T. 0.00 min

Lab File: BM006992.D

Acq: 09 Aug 2016 21:20

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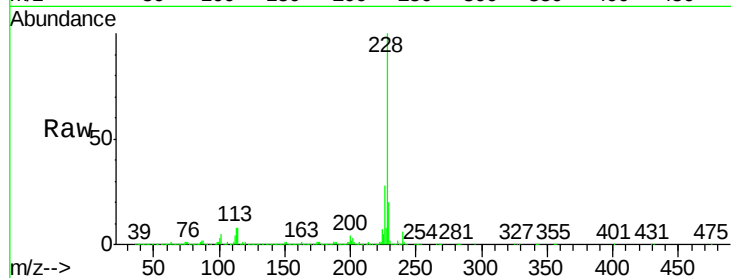
Tgt Ion:228 Resp: 6724649

Ion Ratio Lower Upper

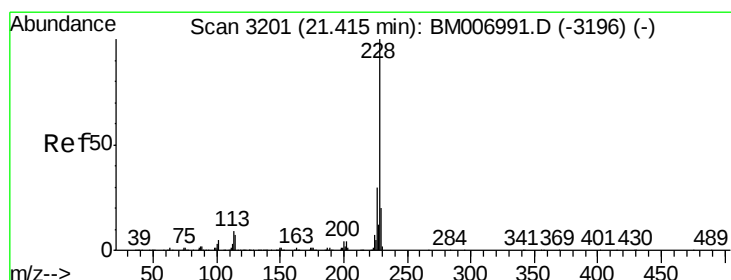
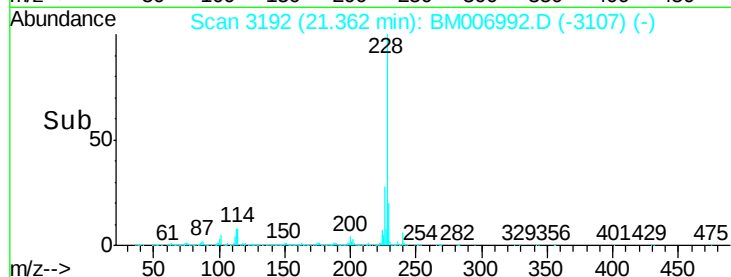
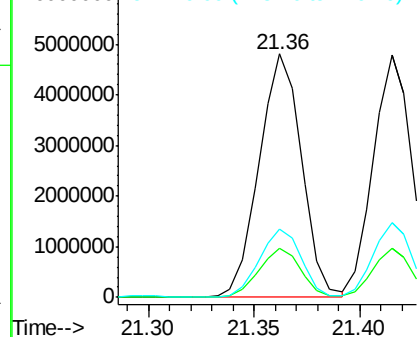
228 100

229 20.3 15.8 23.6

226 28.2 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: 39.29 ng/ul

RT: 21.42 min Scan# 3201

Delta R.T. 0.00 min

Lab File: BM006992.D

Acq: 09 Aug 2016 21:20

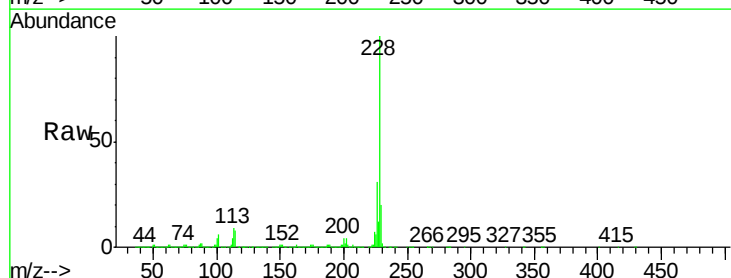
Tgt Ion:228 Resp: 6060485

Ion Ratio Lower Upper

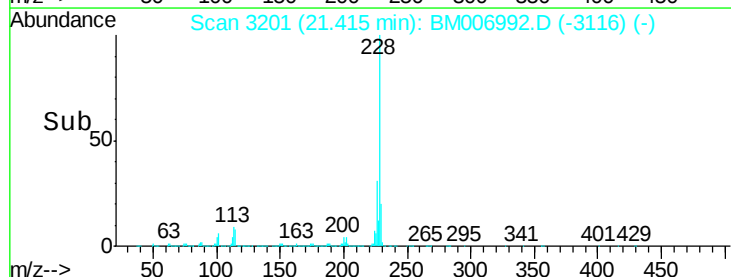
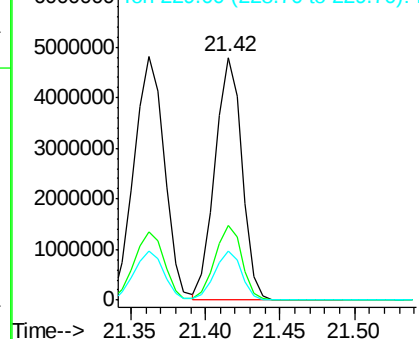
228 100

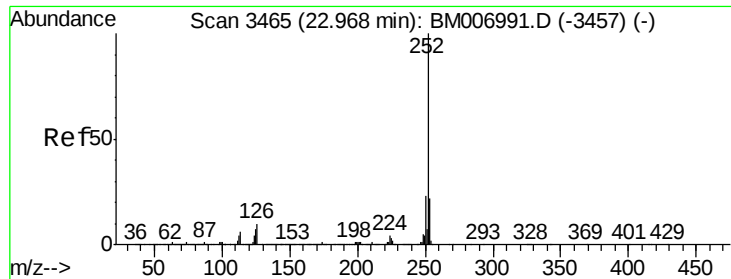
226 30.7 24.2 36.4

229 20.1 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: 37.62 ng/ul

RT: 22.97 min Scan# 3466

Delta R.T. 0.01 min

Lab File: BM006992.D

Acq: 09 Aug 2016 21:20

Instrument :

BNA_M

ClientSampleId :

SSTD04037

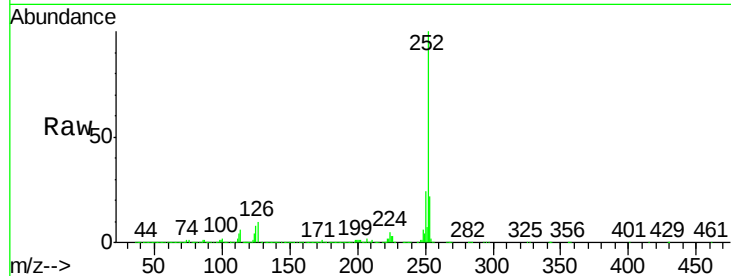
Tgt Ion:252 Resp: 6703795

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

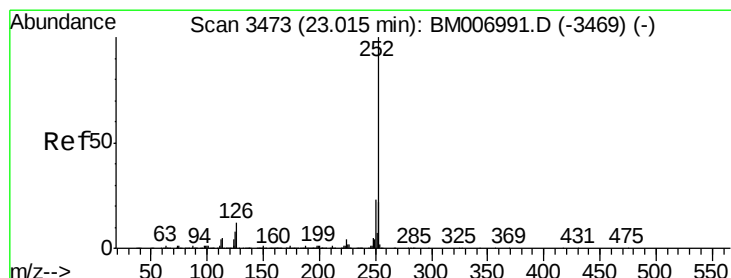
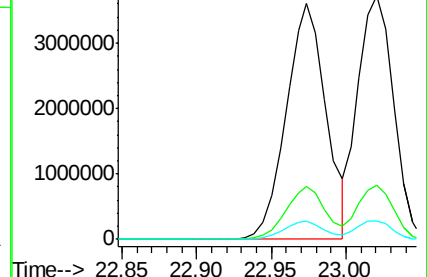
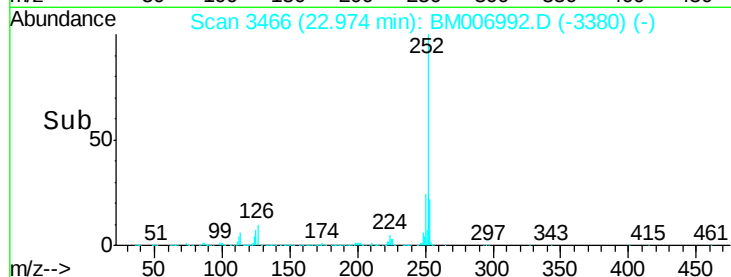
125 7.5 6.0 9.0



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: 36.06 ng/ul

RT: 23.02 min Scan# 3474

Delta R.T. 0.01 min

Lab File: BM006992.D

Acq: 09 Aug 2016 21:20

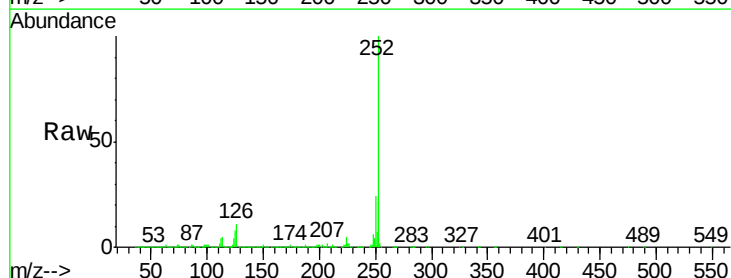
Tgt Ion:252 Resp: 6149211

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

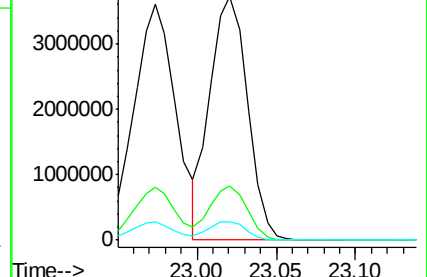
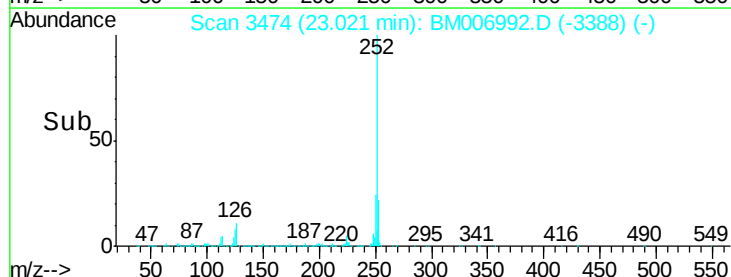
125 7.6 6.2 9.4

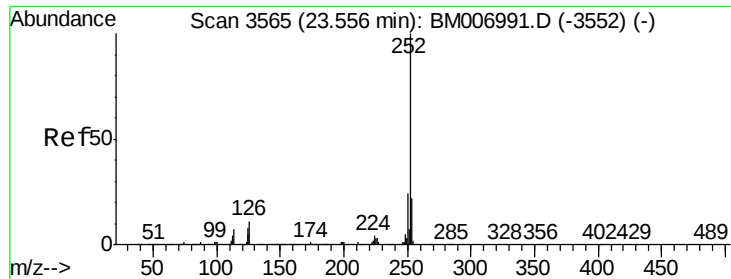


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

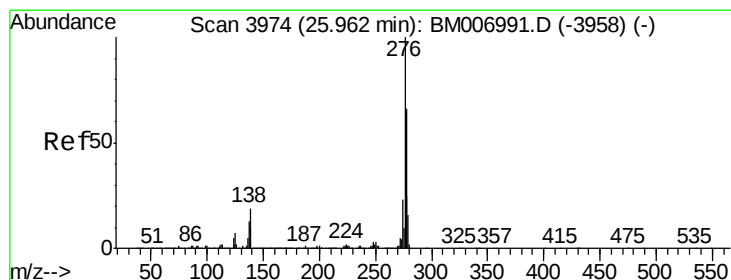
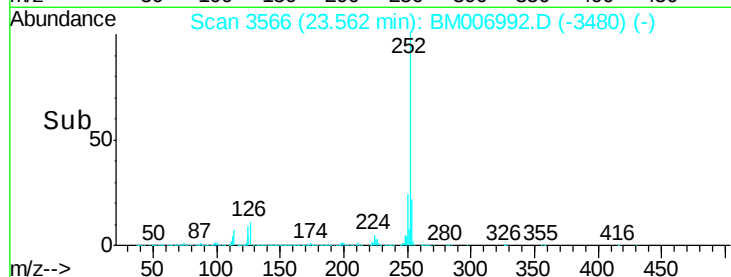
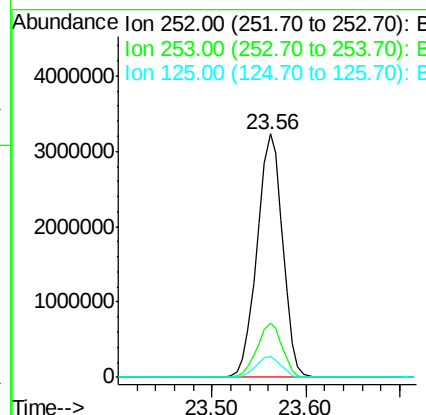
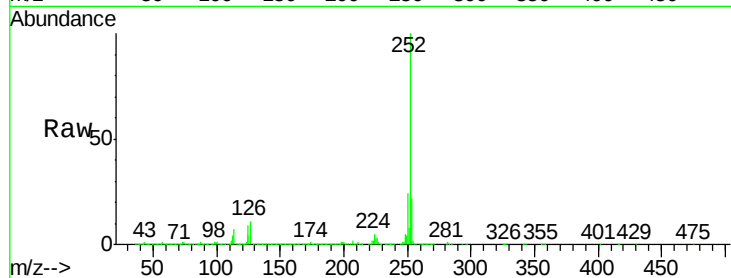




#38
Benzo(a)pyrene
Concen: 37.83 ng/ul
RT: 23.56 min Scan# 3566
Delta R.T. 0.01 min
Lab File: BM006992.D
Acq: 09 Aug 2016 21:20

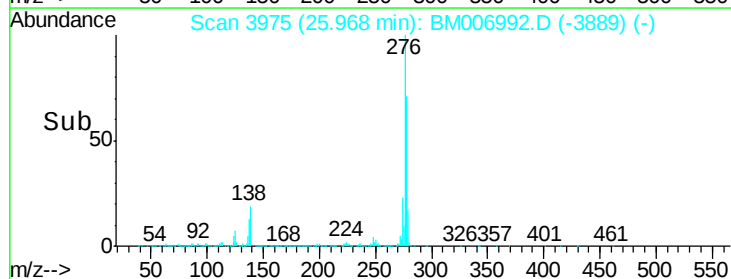
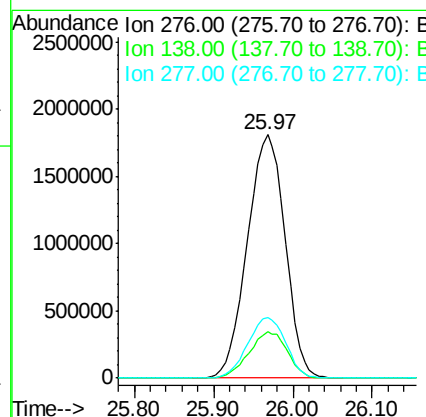
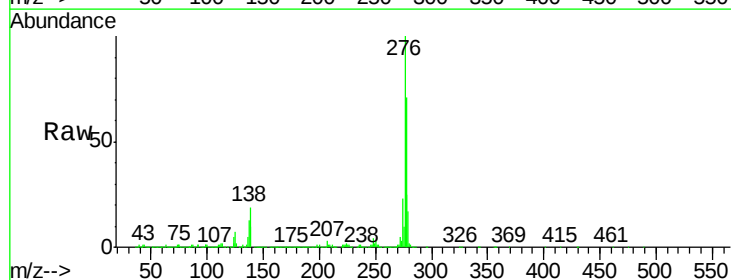
Instrument :
BNA_M
ClientSampleId :
SSTD04037

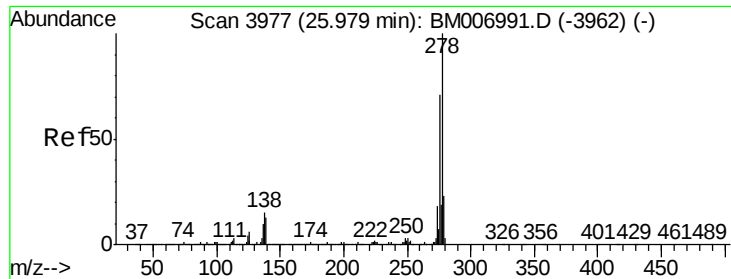
Tgt Ion:252 Resp: 6087119
Ion Ratio Lower Upper
252 100
253 22.1 17.7 26.5
125 8.5 6.8 10.2



#39
Indeno(1,2,3-cd)pyrene
Concen: 37.07 ng/ul
RT: 25.97 min Scan# 3975
Delta R.T. 0.01 min
Lab File: BM006992.D
Acq: 09 Aug 2016 21:20

Tgt Ion:276 Resp: 6006196
Ion Ratio Lower Upper
276 100
138 19.1 14.9 22.3
277 24.9 19.8 29.6





#40

Dibenzo(a,h)anthracene

Concen: 36.75 ng/ul

RT: 25.99 min Scan# 3978

Delta R.T. 0.01 min

Lab File: BM006992.D

Acq: 09 Aug 2016 21:20

Instrument :

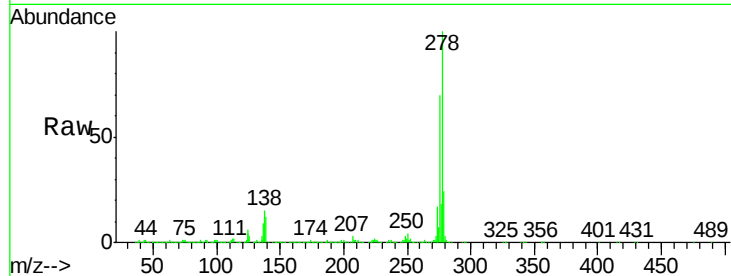
BNA_M

ClientSampleId :

SSTD04037

Tgt Ion:278 Resp: 5001236

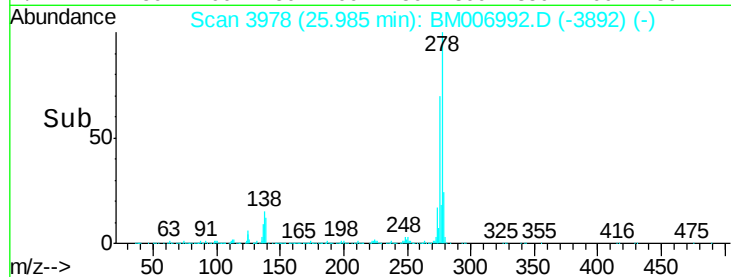
Ion	Ratio	Lower	Upper
278	100		
139	12.0	10.3	15.5
279	23.6	18.8	28.2



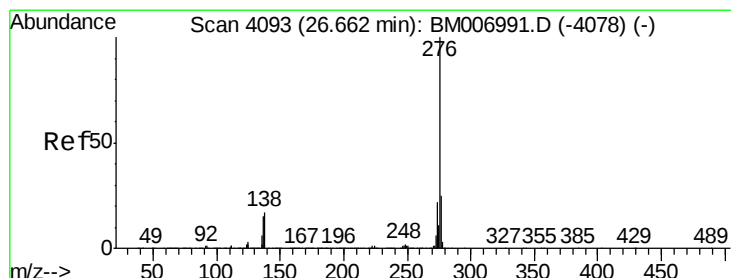
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#41

Benzo(g,h,i)perylene

Concen: 38.20 ng/ul

RT: 26.67 min Scan# 4095

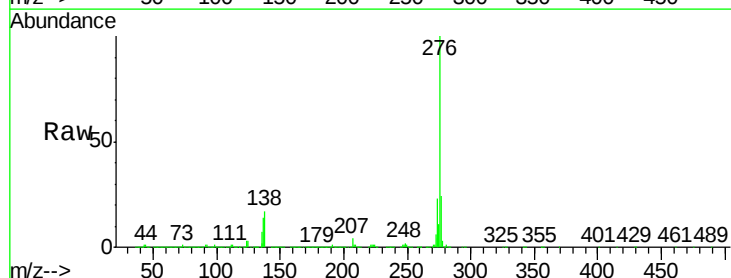
Delta R.T. 0.01 min

Lab File: BM006992.D

Acq: 09 Aug 2016 21:20

Tgt Ion:276 Resp: 4922260

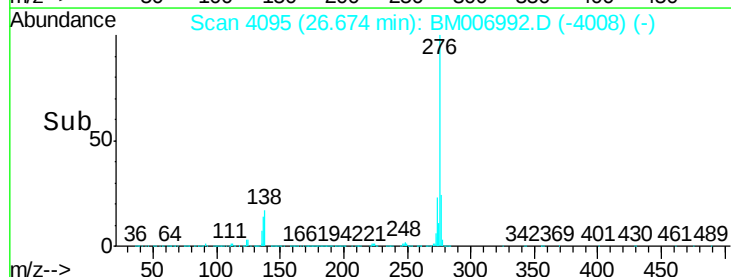
Ion	Ratio	Lower	Upper
276	100		
138	17.0	14.0	21.0
277	23.5	19.6	29.4



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



Time-->