

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081016\
 Data File : BM007022.D
 Acq On : 11 Aug 2016 04:24
 Operator : UM/SJ
 Sample : SSTDC0020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02044

Quant Time: Aug 11 04:55:56 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 10 01:30:54 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	289534	20.00	ng/ul	0.00
7) Naphthalene-d8	10.60	136	1259416	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.45	164	797966	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.19	188	1954577	20.00	ng/ul	0.00
29) Chrysene-d12	21.37	240	2230684	20.00	ng/ul	0.00
34) Perylene-d12	23.65	264	1851504	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.33	96	48598	7.65	ng/uL	0.00
3) Phenol-d5	6.98	99	492289	19.10	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.15	67	281583	19.55	ng/ul	0.00
5) 2-Chlorophenol-d4	7.35	132	386236	19.76	ng/ul	0.00
6) 4-Methylphenol-d8	8.52	113	413302	18.94	ng/ul	0.00
8) Nitrobenzene-d5	8.97	128	189077	19.66	ng/ul	0.00
9) 2-Nitrophenol-d4	9.69	143	207189	18.81	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.22	165	433432	20.14	ng/ul	0.00
12) 4-Chloroaniline-d4	10.74	131	533867	21.22	ng/ul	0.00
16) Dimethylphthalate-d6	13.86	166	1337289	19.61	ng/ul	0.00
17) Acenaphthylene-d8	14.14	160	1668352	20.89	ng/ul	0.00
20) 4-Nitrophenol-d4	14.64	143	233726	19.09	ng/ul	0.00
21) Fluorene-d10	15.44	176	1182707	20.40	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.56	200	193277	18.24	ng/ul	0.00
26) Anthracene-d10	17.29	188	1892975	20.79	ng/ul	0.00
30) Pyrene-d10	19.58	212	2175986	21.45	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.50	264	1767913	20.77	ng/ul	0.00

Target Compounds

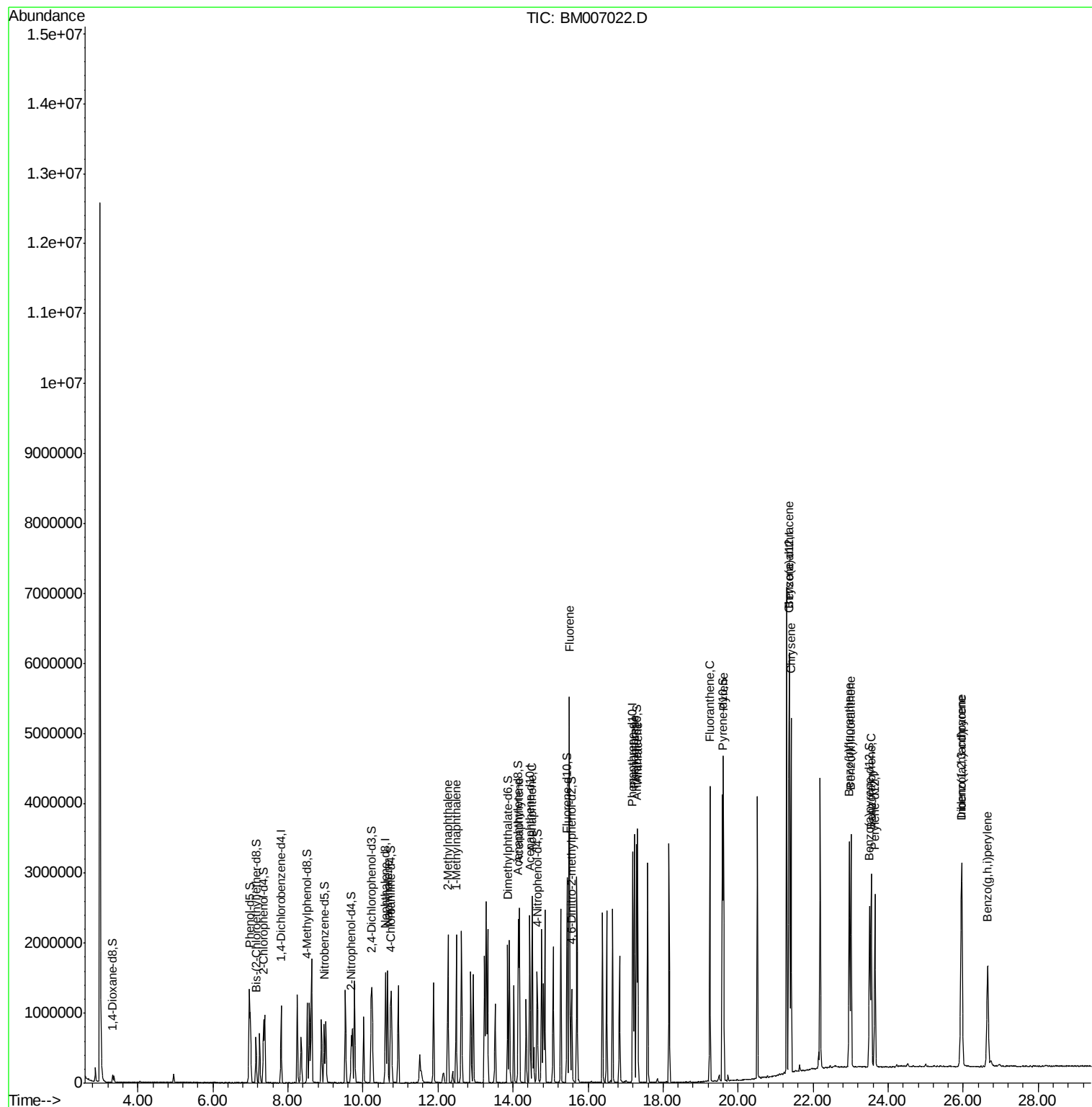
						Qvalue
11) Naphthalene	10.66	128	1296139	20.52	ng/ul	100
13) 2-Methylnaphthalene	12.27	142	1010937	20.22	ng/ul	100
14) 1-Methylnaphthalene	12.49	142	961953	20.05	ng/ul	100
18) Acenaphthylene	14.17	152	1723212	20.87	ng/ul	99
19) Acenaphthene	14.51	153	1100829	20.63	ng/ul	98
22) Fluorene	15.50	166	1307784	20.64	ng/ul	98
25) Phenanthrene	17.23	178	2178162	20.80	ng/ul	99
27) Anthracene	17.33	178	2250848	20.81	ng/ul	99
28) Fluoranthene	19.25	202	2723017	20.64	ng/ul	98
31) Pyrene	19.61	202	2836421	21.92	ng/ul	99
32) Benzo(a)anthracene	21.36	228	2709566	20.63	ng/ul	100
33) Chrysene	21.41	228	2466777	20.69	ng/ul	99
35) Benzo(b)fluoranthene	22.96	252	2404527	20.90	ng/ul	100
36) Benzo(k)fluoranthene	23.01	252	2328723	21.43	ng/ul	100
38) Benzo(a)pyrene	23.55	252	2181034	20.61	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.95	276	2360467	22.50	ng/ul	99
40) Dibenzo(a,h)anthracene	25.97	278	1982610	22.83	ng/ul	99
41) Benzo(g,h,i)perylene	26.66	276	1957739	22.69	ng/ul	97

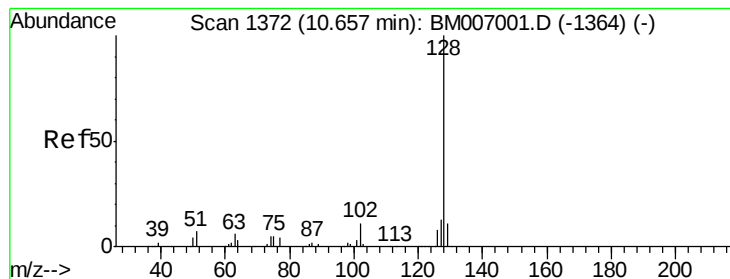
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081016\
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ALS Vial : 2 Sample Multiplier: 1

Instrument :
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Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 10 01:30:54 2016
Response via : Initial Calibration





#11

Naphthalene

Concen: 20.52 ng/ul

RT: 10.66 min Scan# 1372

Delta R.T. 0.00 min

Lab File: BM007022.D

Acq: 11 Aug 2016 04:24

Instrument :

BNA_M

ClientSampleId :

SSTD02044

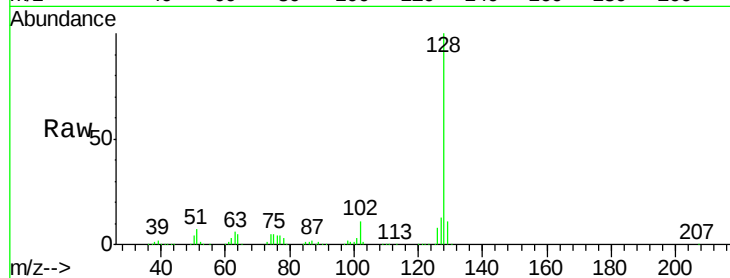
Tgt Ion:128 Resp: 1296139

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

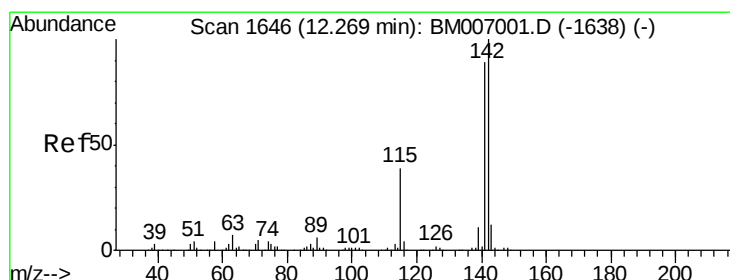
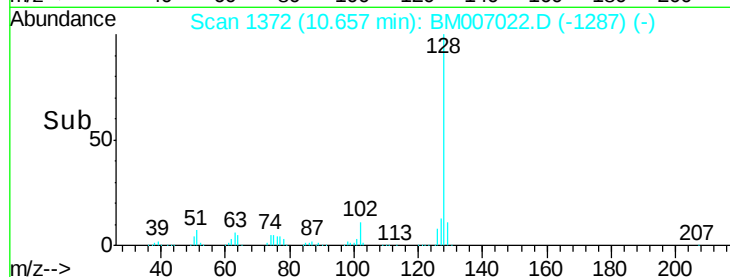
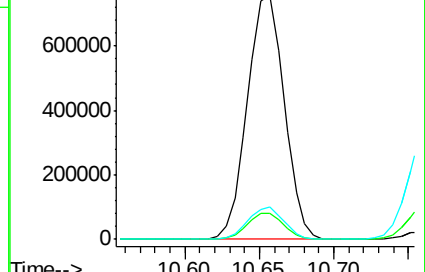
127 13.1 10.4 15.6



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: 20.22 ng/ul

RT: 12.27 min Scan# 1646

Delta R.T. 0.00 min

Lab File: BM007022.D

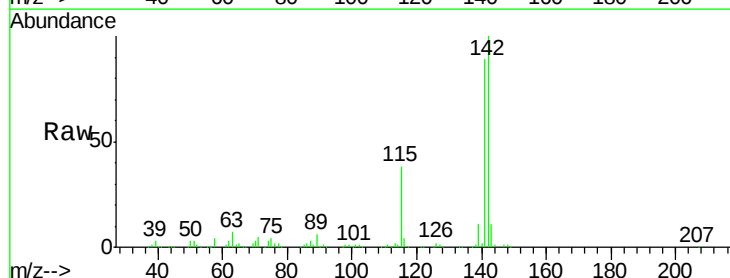
Acq: 11 Aug 2016 04:24

Tgt Ion:142 Resp: 1010937

Ion Ratio Lower Upper

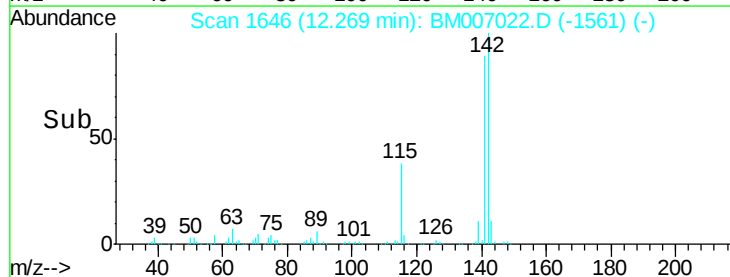
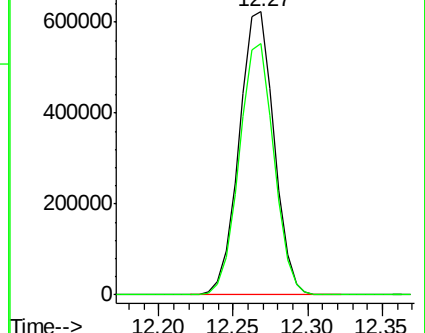
142 100

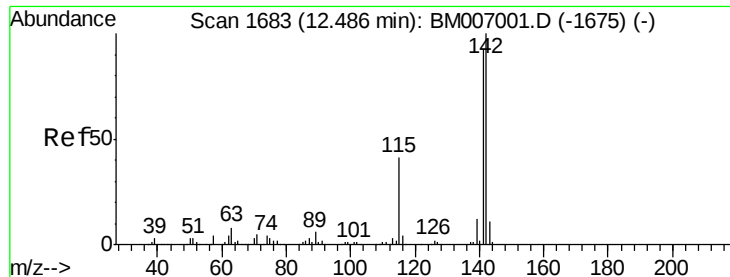
141 88.9 71.0 106.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

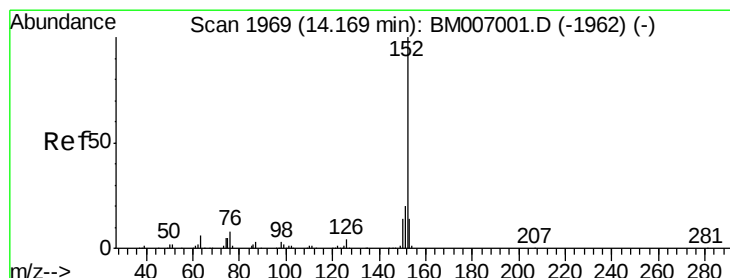
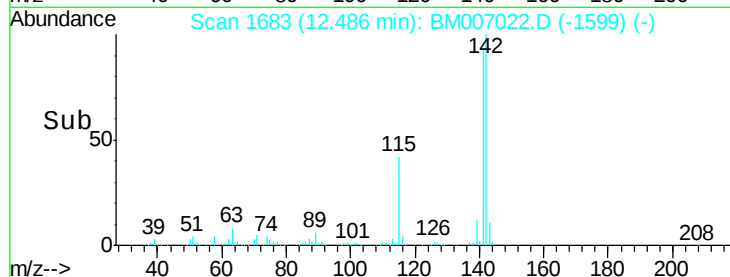
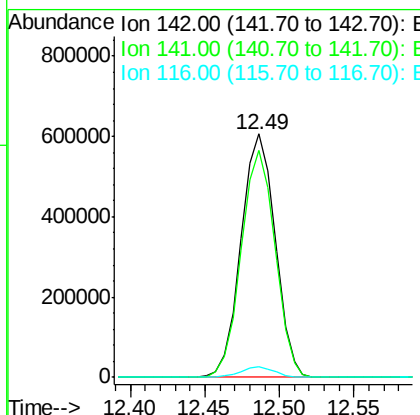
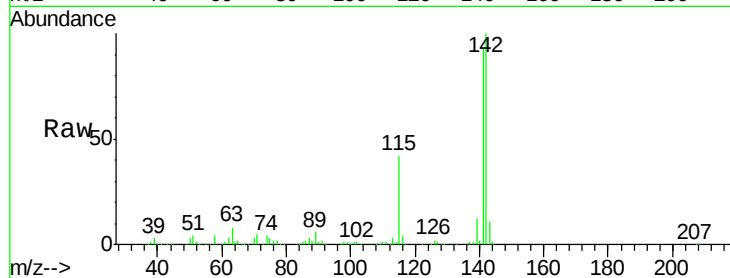




#14
 1-Methylnaphthalene
 Concen: 20.05 ng/ul
 RT: 12.49 min Scan# 1683
 Delta R.T. -0.01 min
 Lab File: BM007022.D
 Acq: 11 Aug 2016 04:24

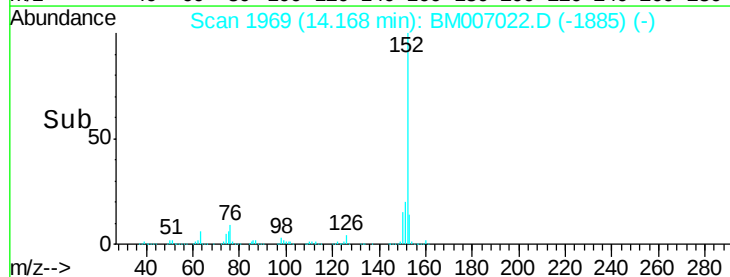
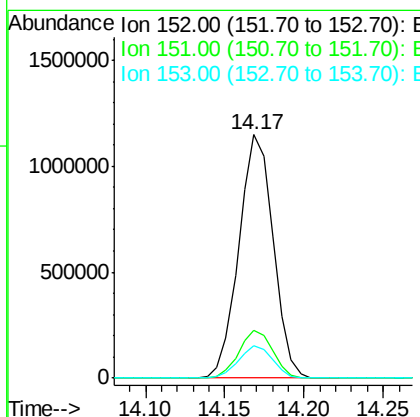
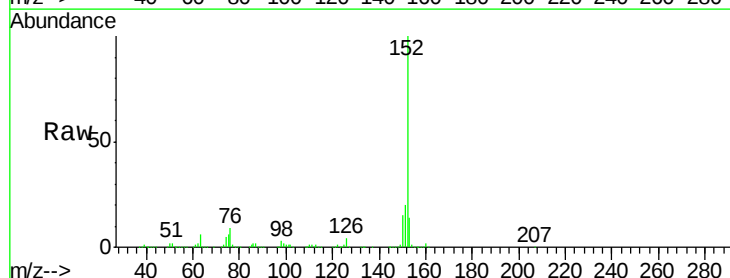
Instrument :
 BNA_M
 ClientSampleId :
 SSTD02044

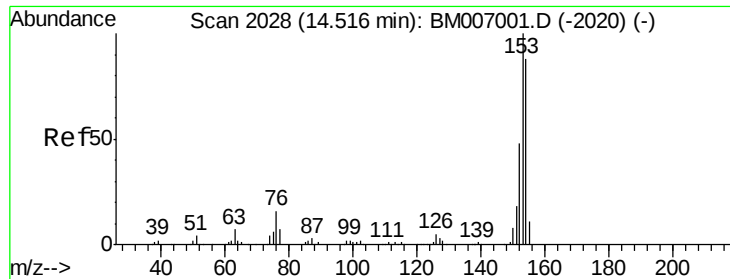
Tgt Ion:142 Resp: 961953
 Ion Ratio Lower Upper
 142 100
 141 93.1 74.4 111.6
 116 4.3 3.2 4.8



#18
 Acenaphthylene
 Concen: 20.87 ng/ul
 RT: 14.17 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: BM007022.D
 Acq: 11 Aug 2016 04:24

Tgt Ion:152 Resp: 1723212
 Ion Ratio Lower Upper
 152 100
 151 19.8 16.1 24.1
 153 13.6 10.4 15.6





#19

Acenaphthene

Concen: 20.63 ng/ul

RT: 14.51 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BM007022.D

Acq: 11 Aug 2016 04:24

Instrument :

BNA_M

ClientSampleId :

SSTD02044

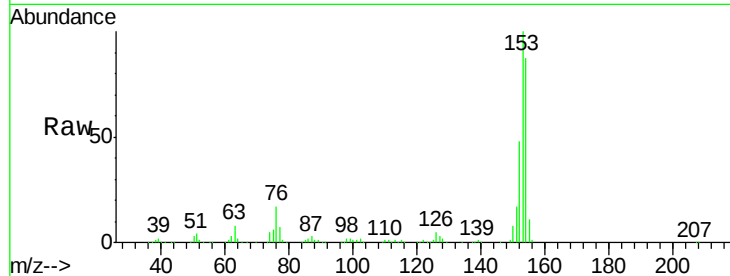
Tgt Ion:153 Resp: 1100829

Ion Ratio Lower Upper

153 100

152 47.6 37.0 55.6

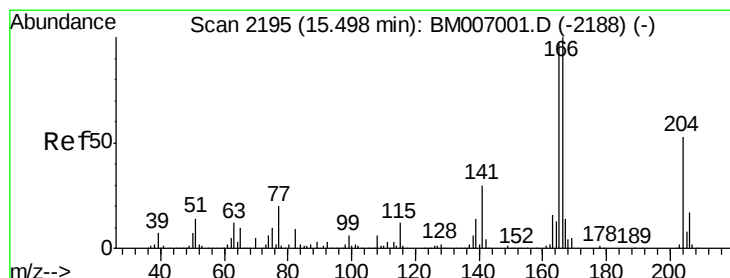
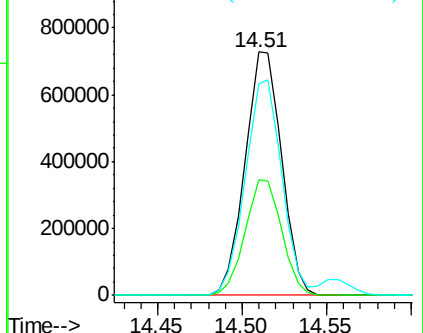
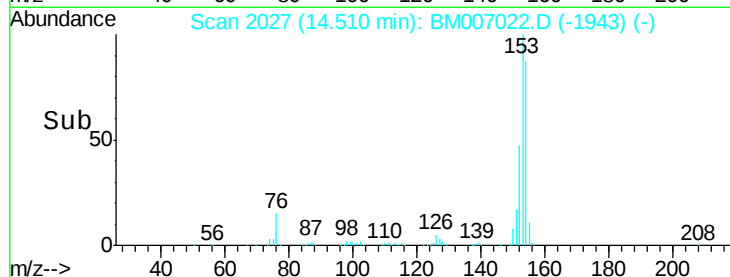
154 87.0 70.9 106.3



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: 20.64 ng/ul

RT: 15.50 min Scan# 2195

Delta R.T. -0.01 min

Lab File: BM007022.D

Acq: 11 Aug 2016 04:24

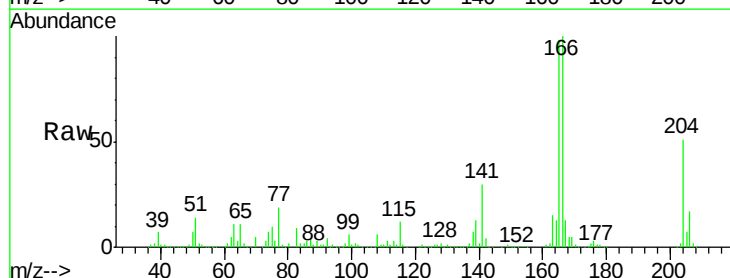
Tgt Ion:166 Resp: 1307784

Ion Ratio Lower Upper

166 100

165 98.0 76.6 115.0

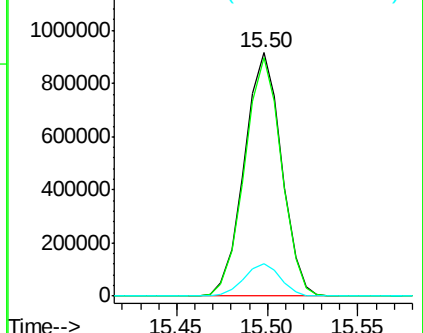
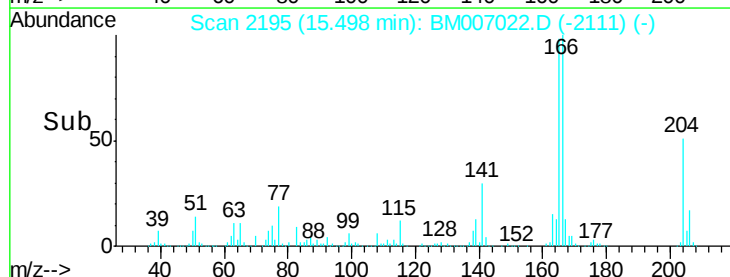
167 13.4 10.7 16.1

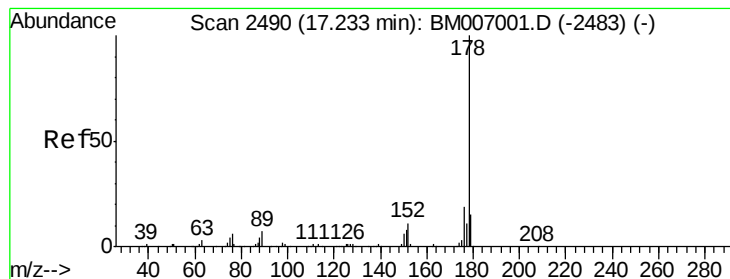


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 20.80 ng/ul

RT: 17.23 min Scan# 2490

Delta R.T. -0.01 min

Lab File: BM007022.D

Acq: 11 Aug 2016 04:24

Instrument :

BNA_M

ClientSampleId :

SSTD02044

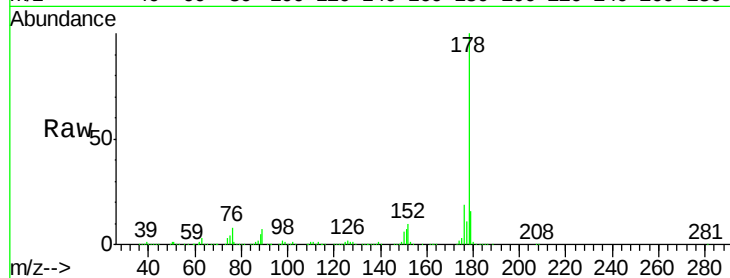
Tgt Ion:178 Resp: 2178162

Ion Ratio Lower Upper

178 100

179 15.7 12.2 18.2

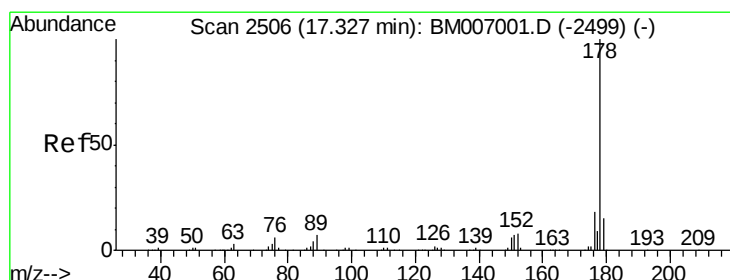
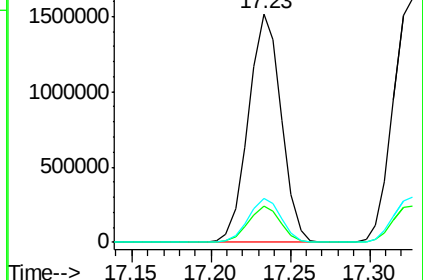
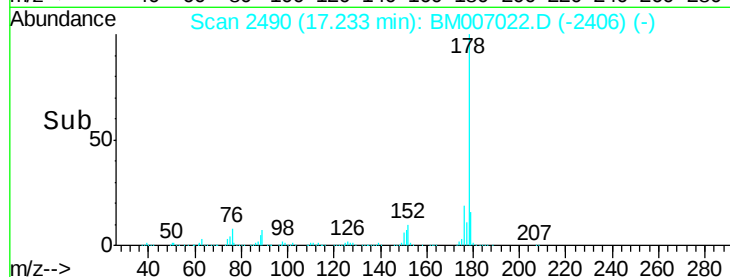
176 19.2 15.2 22.8



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: 20.81 ng/ul

RT: 17.33 min Scan# 2506

Delta R.T. 0.00 min

Lab File: BM007022.D

Acq: 11 Aug 2016 04:24

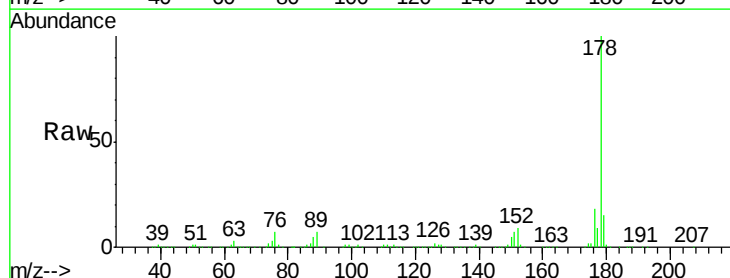
Tgt Ion:178 Resp: 2250848

Ion Ratio Lower Upper

178 100

179 15.1 12.5 18.7

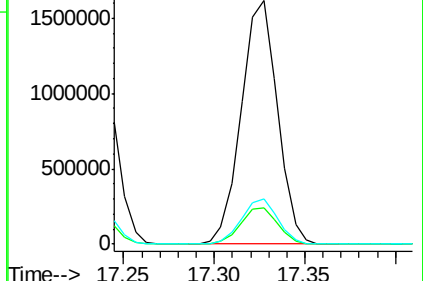
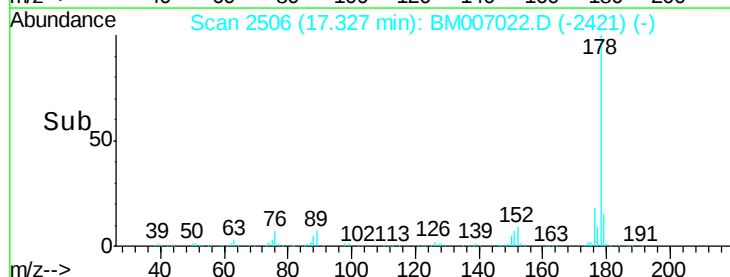
176 18.5 15.0 22.4

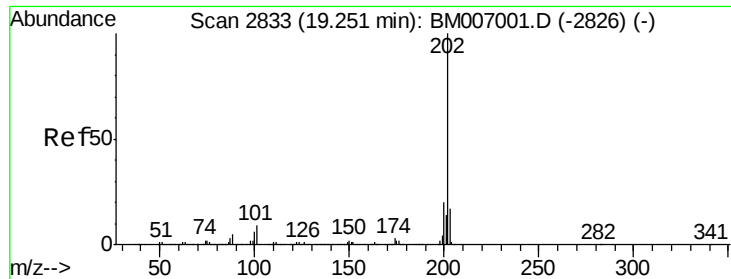


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 20.64 ng/ul

RT: 19.25 min Scan# 2833

Delta R.T. 0.00 min

Lab File: BM007022.D

Acq: 11 Aug 2016 04:24

Instrument :

BNA_M

ClientSampleId :

SSTD02044

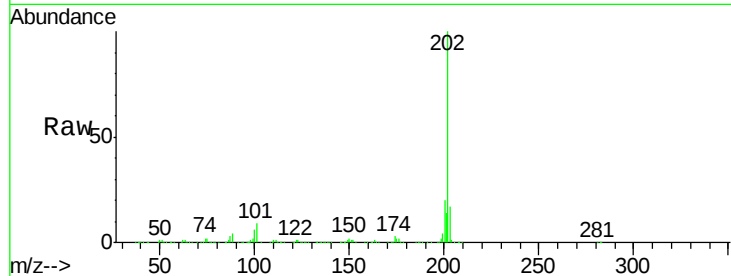
Tgt Ion:202 Resp: 2723017

Ion Ratio Lower Upper

202 100

101 8.5 7.4 11.2

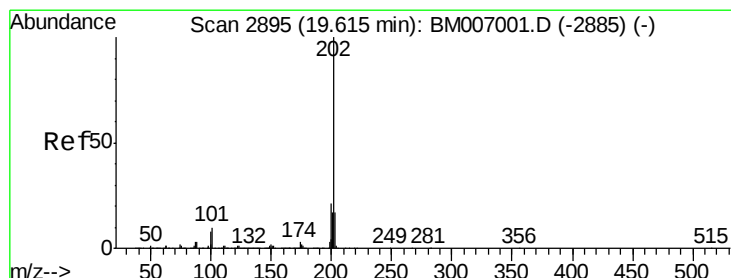
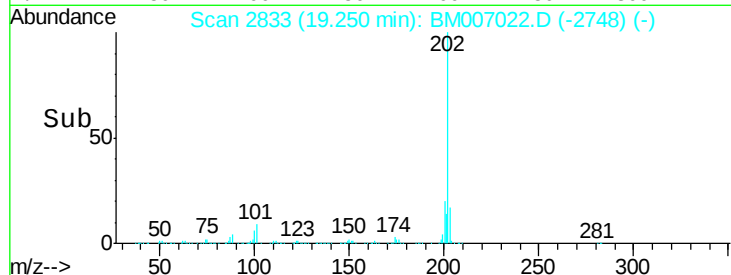
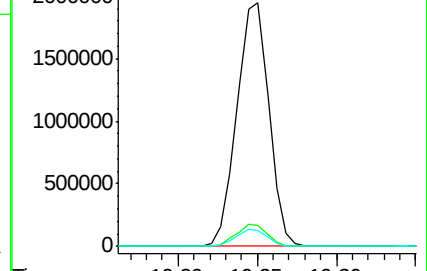
100 6.3 5.8 8.6



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: 21.92 ng/ul

RT: 19.61 min Scan# 2894

Delta R.T. -0.01 min

Lab File: BM007022.D

Acq: 11 Aug 2016 04:24

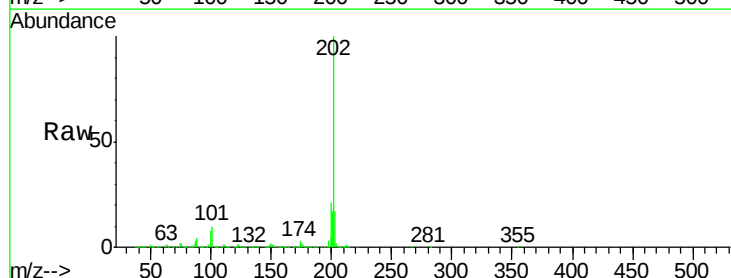
Tgt Ion:202 Resp: 2836421

Ion Ratio Lower Upper

202 100

101 10.2 8.5 12.7

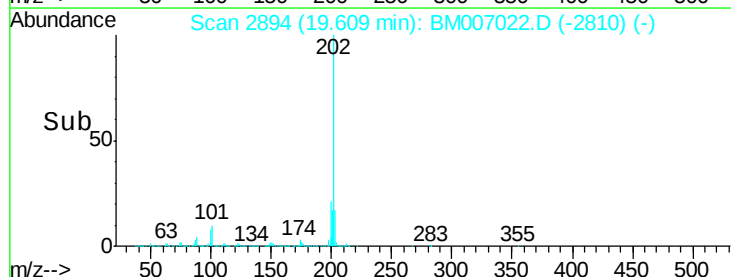
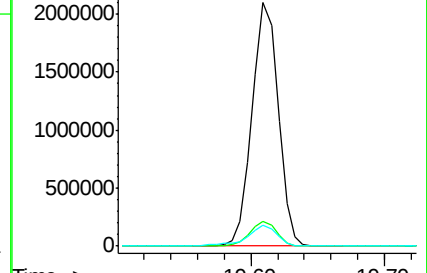
100 8.5 7.1 10.7

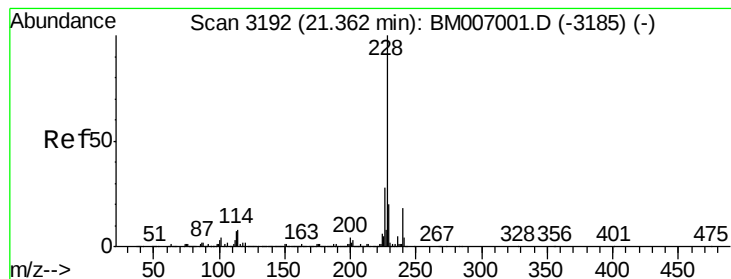


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 20.63 ng/ul

RT: 21.36 min Scan# 3191

Delta R.T. -0.01 min

Lab File: BM007022.D

Acq: 11 Aug 2016 04:24

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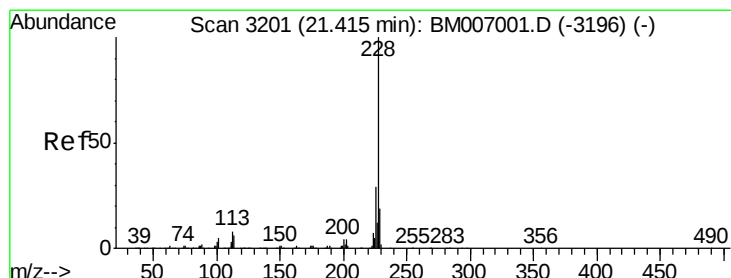
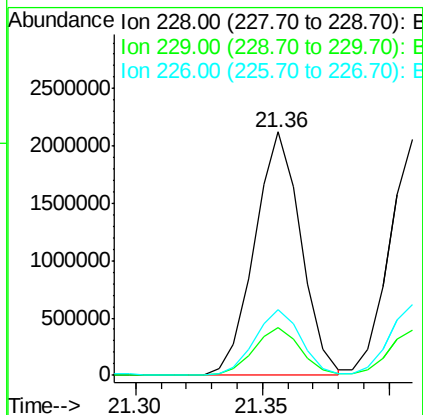
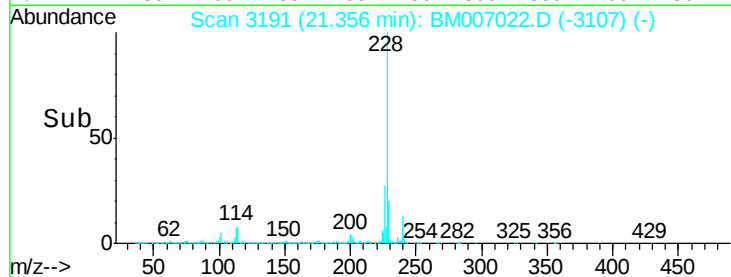
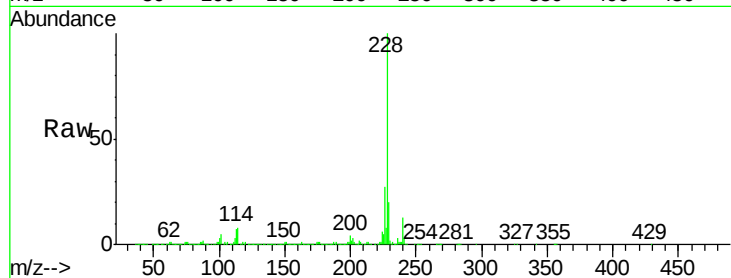
Tgt Ion:228 Resp: 2709566

Ion Ratio Lower Upper

228 100

229 19.6 15.8 23.6

226 27.1 21.9 32.9



#33

Chrysene

Concen: 20.69 ng/ul

RT: 21.41 min Scan# 3200

Delta R.T. -0.01 min

Lab File: BM007022.D

Acq: 11 Aug 2016 04:24

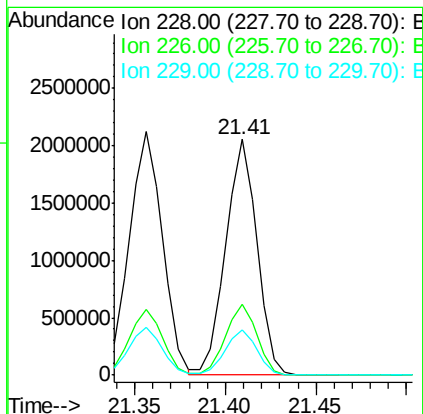
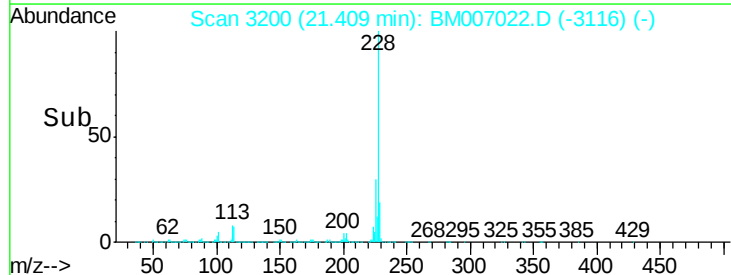
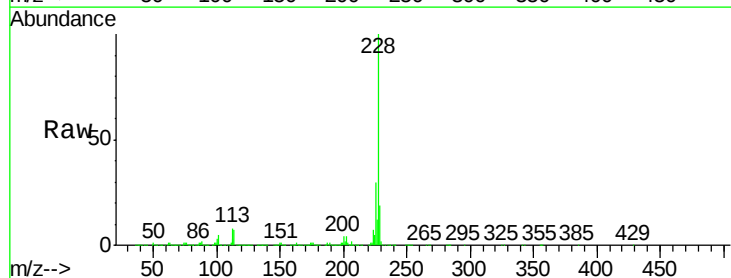
Tgt Ion:228 Resp: 2466777

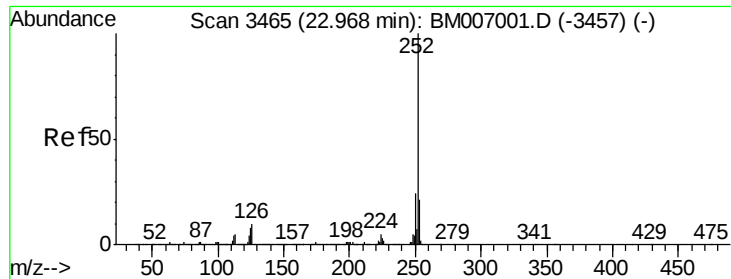
Ion Ratio Lower Upper

228 100

226 30.2 24.2 36.4

229 19.4 15.9 23.9





#35

Benzo(b)fluoranthene

Concen: 20.90 ng/ul

RT: 22.96 min Scan# 3464

Delta R.T. -0.01 min

Lab File: BM007022.D

Acq: 11 Aug 2016 04:24

Instrument :

BNA_M

ClientSampleId :

SSTD02044

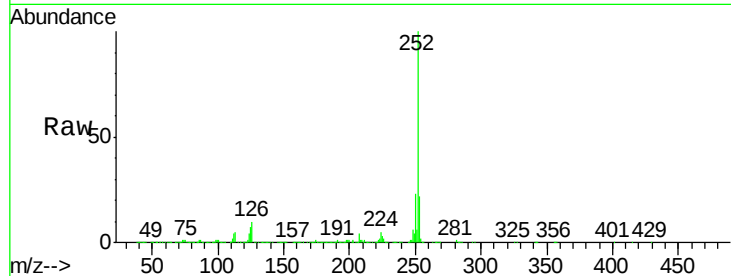
Tgt Ion:252 Resp: 2404527

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

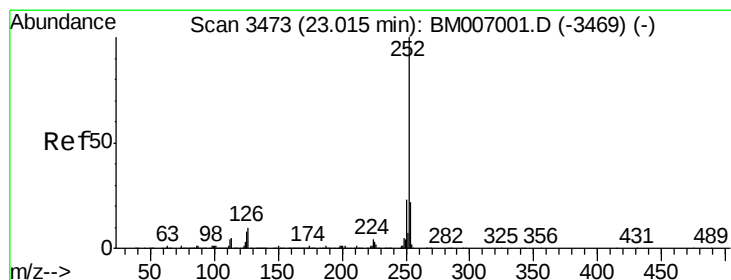
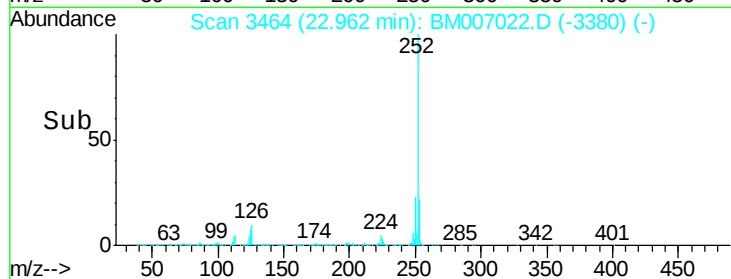
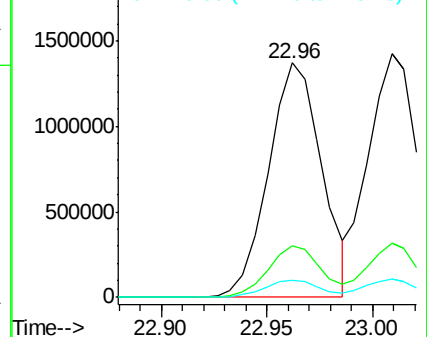
125 7.5 6.0 9.0



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: 21.43 ng/ul

RT: 23.01 min Scan# 3472

Delta R.T. -0.01 min

Lab File: BM007022.D

Acq: 11 Aug 2016 04:24

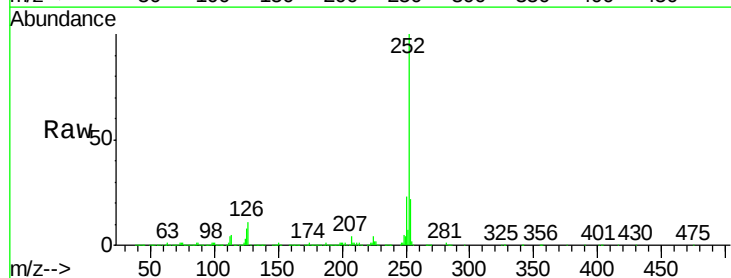
Tgt Ion:252 Resp: 2328723

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.6

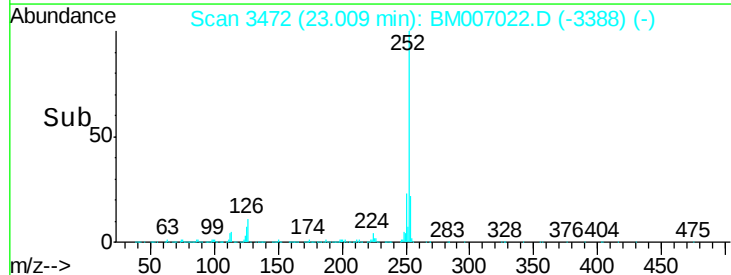
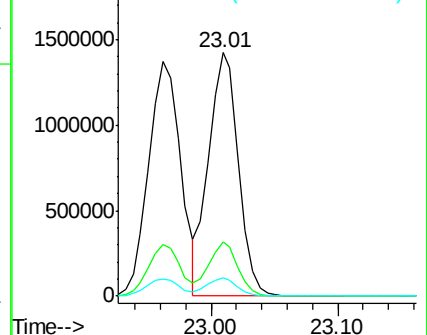
125 7.5 6.2 9.4

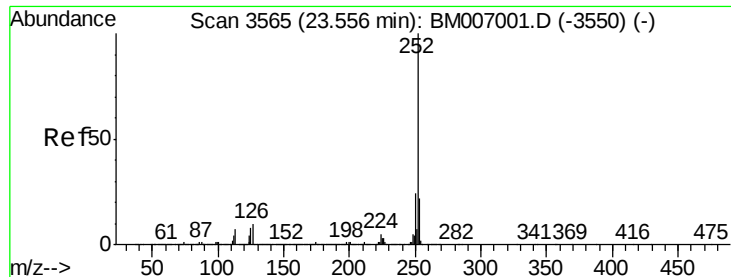


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 20.61 ng/ul

RT: 23.55 min Scan# 3564

Delta R.T. -0.01 min

Lab File: BM007022.D

Acq: 11 Aug 2016 04:24

Instrument :

BNA_M

ClientSampleId :

SSTD02044

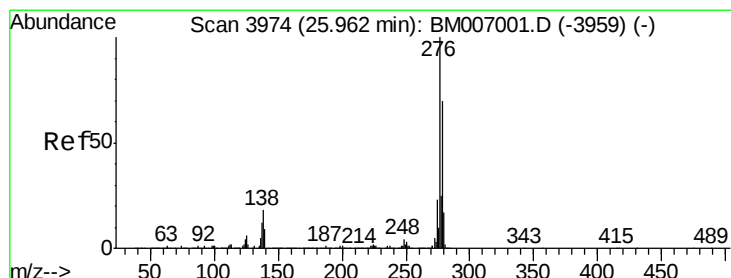
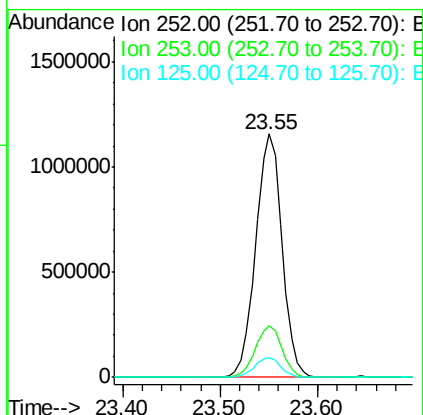
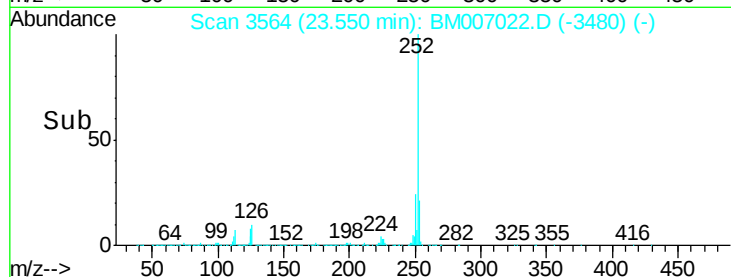
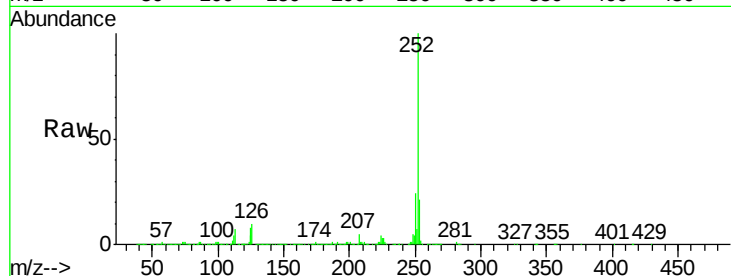
Tgt Ion:252 Resp: 2181034

Ion Ratio Lower Upper

252 100

253 21.4 17.7 26.5

125 8.0 6.8 10.2



#39

Indeno(1,2,3-cd)pyrene

Concen: 22.50 ng/ul

RT: 25.95 min Scan# 3972

Delta R.T. -0.01 min

Lab File: BM007022.D

Acq: 11 Aug 2016 04:24

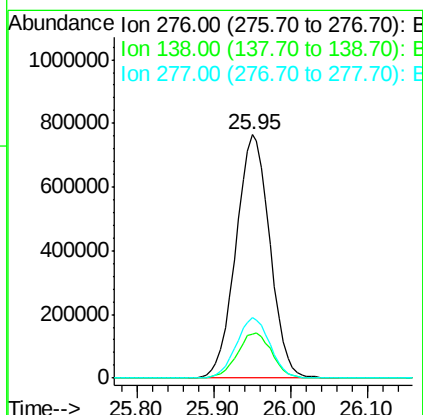
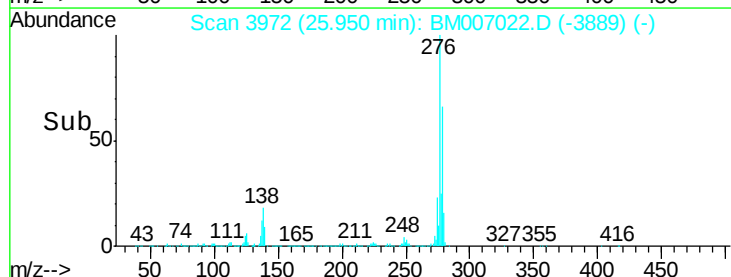
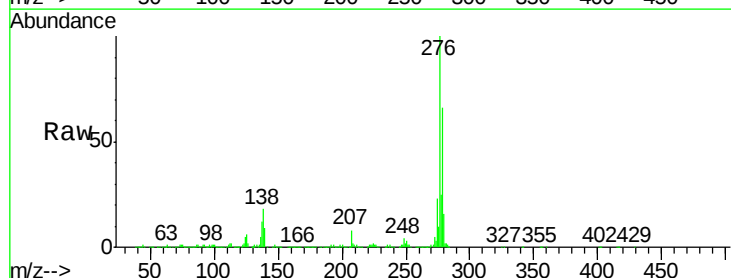
Tgt Ion:276 Resp: 2360467

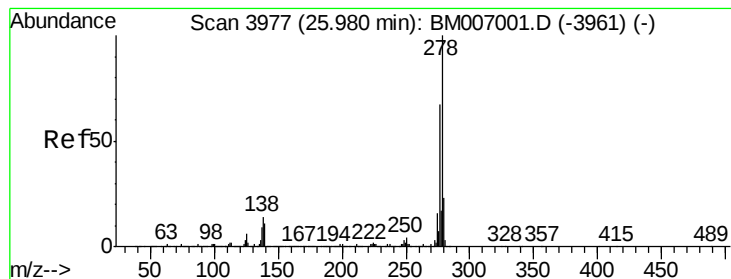
Ion Ratio Lower Upper

276 100

138 18.1 14.9 22.3

277 24.9 19.8 29.6





#40

Dibenzo(a,h)anthracene

Concen: 22.83 ng/ul

RT: 25.97 min Scan# 3975

Delta R.T. -0.01 min

Lab File: BM007022.D

Acq: 11 Aug 2016 04:24

Instrument :

BNA_M

ClientSampleId :

SSTD02044

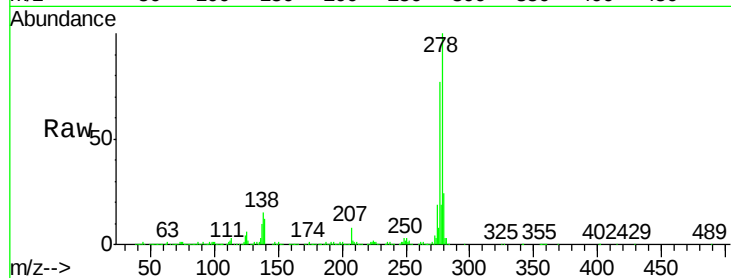
Tgt Ion:278 Resp: 1982610

Ion Ratio Lower Upper

278 100

139 12.3 10.3 15.5

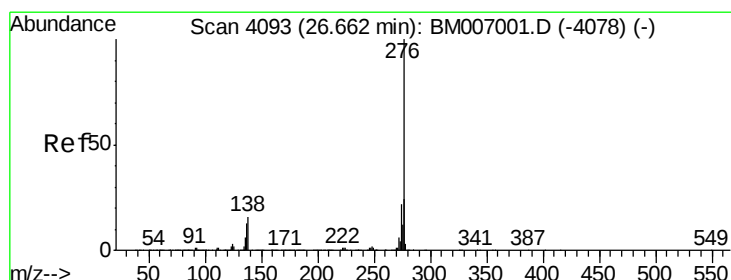
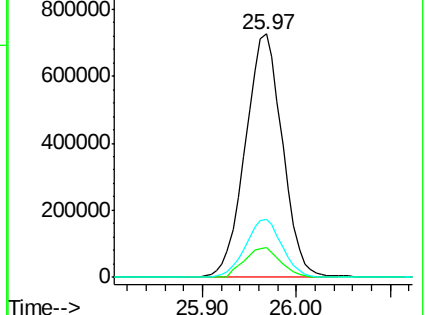
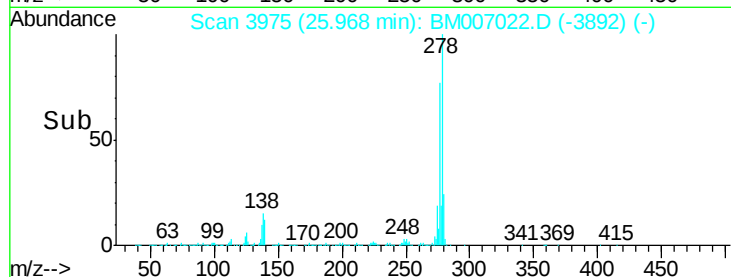
279 23.9 18.8 28.2



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: 22.69 ng/ul

RT: 26.66 min Scan# 4092

Delta R.T. -0.01 min

Lab File: BM007022.D

Acq: 11 Aug 2016 04:24

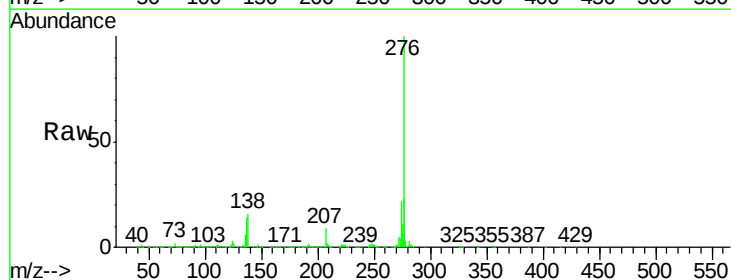
Tgt Ion:276 Resp: 1957739

Ion Ratio Lower Upper

276 100

138 16.1 14.0 21.0

277 23.3 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

