

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081016\
 Data File : BM007012.D
 Acq On : 10 Aug 2016 22:24
 Operator : UM/SJ
 Sample : H4303-06
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA0J0

Quant Time: Aug 11 03:17:44 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	354803	20.00	ng/ul	0.00
7) Naphthalene-d8	10.60	136	1577721	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.45	164	963810	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.19	188	2246465	20.00	ng/ul	0.00
29) Chrysene-d12	21.37	240	2325731	20.00	ng/ul	0.00
34) Perylene-d12	23.65	264	1938444	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.33	96	14824	1.91	ng/uL	0.00
3) Phenol-d5	6.97	99	606598	19.21	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.15	67	409170	23.19	ng/ul	0.00
5) 2-Chlorophenol-d4	7.35	132	531398	22.18	ng/ul	0.00
6) 4-Methylphenol-d8	8.51	113	421940	15.78	ng/ul	0.00
8) Nitrobenzene-d5	8.97	128	283659	23.54	ng/ul	0.00
9) 2-Nitrophenol-d4	9.69	143	304900	22.09	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.22	165	588891	21.85	ng/ul	0.00
12) 4-Chloroaniline-d4	10.74	131	600538	19.06	ng/ul	0.00
16) Dimethylphthalate-d6	13.86	166	1978269	24.01	ng/ul	0.00
17) Acenaphthylene-d8	14.14	160	2434231	25.23	ng/ul	0.00
20) 4-Nitrophenol-d4	14.63	143	220398	14.91	ng/ul	0.00
21) Fluorene-d10	15.44	176	1709774	24.42	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.56	200	178662	14.67	ng/ul	0.00
26) Anthracene-d10	17.29	188	2573640	24.59	ng/ul	0.00
30) Pyrene-d10	19.59	212	3040241	28.75	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.50	264	2316481	25.99	ng/ul	0.00

Target Compounds

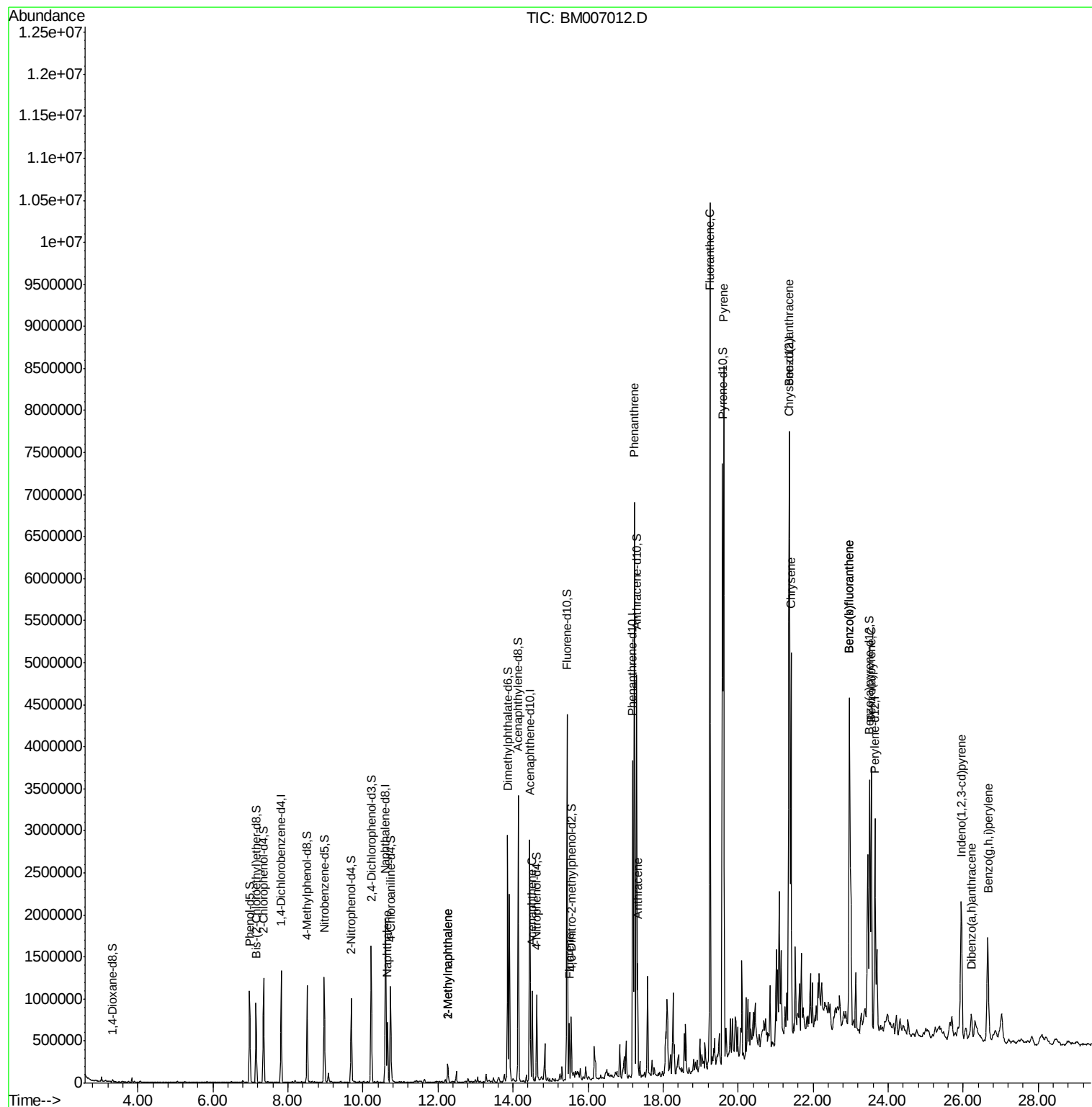
						Qvalue
11) Naphthalene	10.65	128	573178	7.24	ng/ul	99
13) 2-Methylnaphthalene	12.26	142	99416	1.59	ng/ul	99
14) 1-Methylnaphthalene	12.26	142	99416	1.65	ng/ul	96
19) Acenaphthene	14.51	153	426667	6.62	ng/ul	97
22) Fluorene	15.50	166	286880	3.75	ng/ul	99
25) Phenanthrene	17.23	178	4274895	35.52	ng/ul	99
27) Anthracene	17.33	178	858759	6.91	ng/ul	99
28) Fluoranthene	19.25	202	6444073	42.51	ng/ul	98
31) Pyrene	19.62	202	5299028	39.28	ng/ul	98
32) Benzo(a)anthracene	21.36	228	2866942	20.94	ng/ul	98
33) Chrysene	21.41	228	2748504	22.11	ng/ul	98
35) Benzo(b)fluoranthene	22.97	252	3693396	30.67	ng/ul	98
36) Benzo(k)fluoranthene	22.97	252	3693396	32.47	ng/ul	99
38) Benzo(a)pyrene	23.55	252	2324870	20.99	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.95	276	1714379	15.61	ng/ul	96
40) Dibenzo(a,h)anthracene	26.22	278	296444	3.26	ng/ul	95
41) Benzo(g,h,i)perylene	26.66	276	1656118	18.34	ng/ul	99

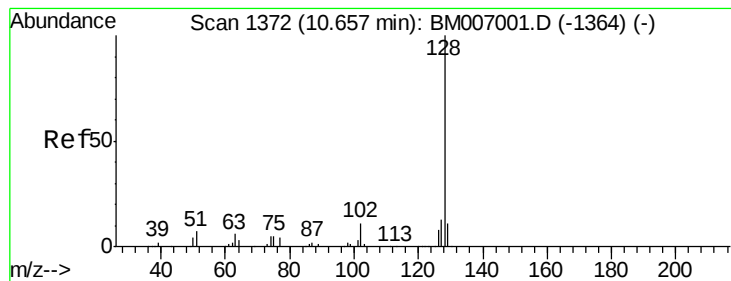
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#11

Naphthalene

Concen: 7.24 ng/ul

RT: 10.65 min Scan# 1371

Delta R.T. -0.01 min

Lab File: BM007012.D

Acq: 10 Aug 2016 22:24

Instrument :

BNA_M

ClientSampleId :

DA0J0

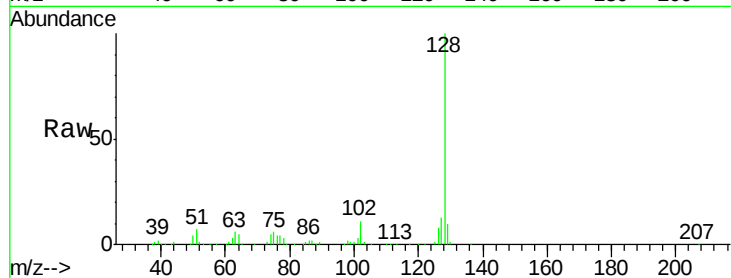
Tgt Ion:128 Resp: 573178

Ion Ratio Lower Upper

128 100

129 10.3 8.9 13.3

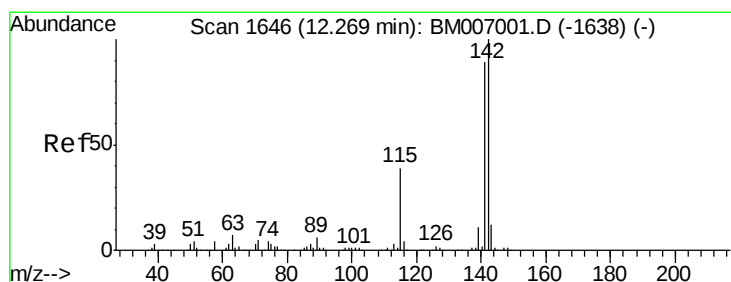
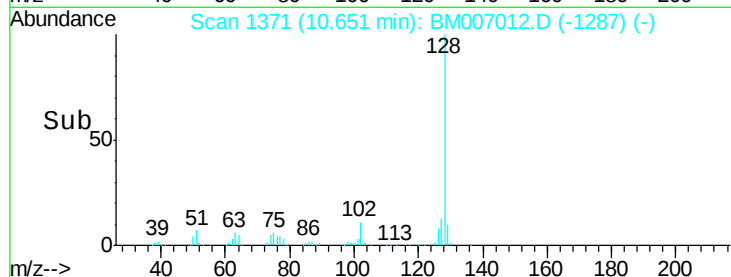
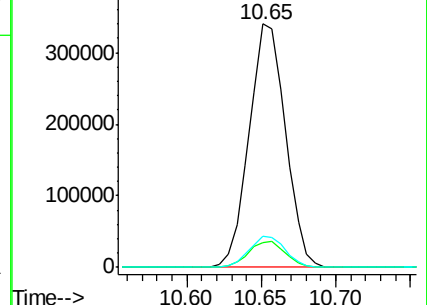
127 12.8 10.4 15.6



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: 1.59 ng/ul

RT: 12.26 min Scan# 1645

Delta R.T. -0.01 min

Lab File: BM007012.D

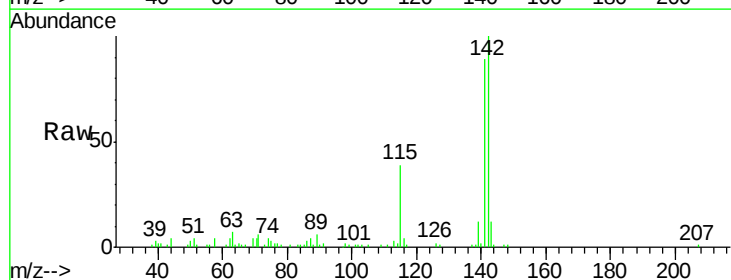
Acq: 10 Aug 2016 22:24

Tgt Ion:142 Resp: 99416

Ion Ratio Lower Upper

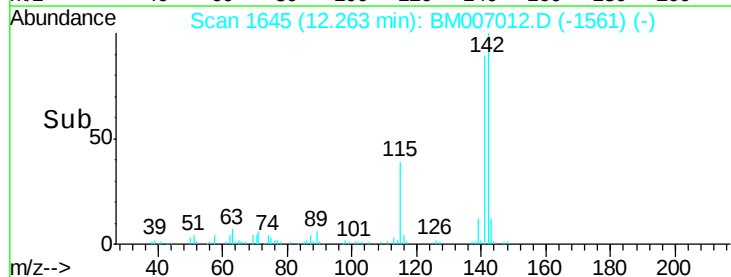
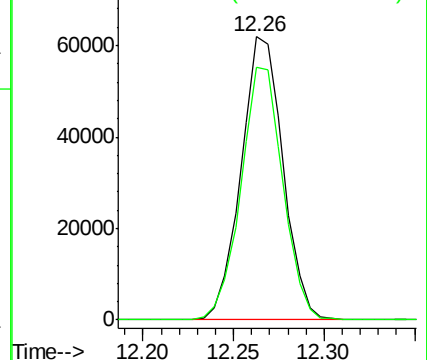
142 100

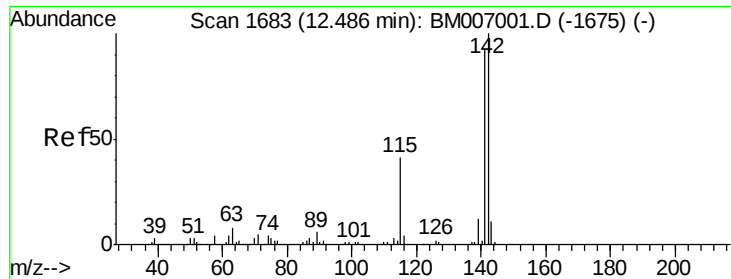
141 89.4 71.0 106.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

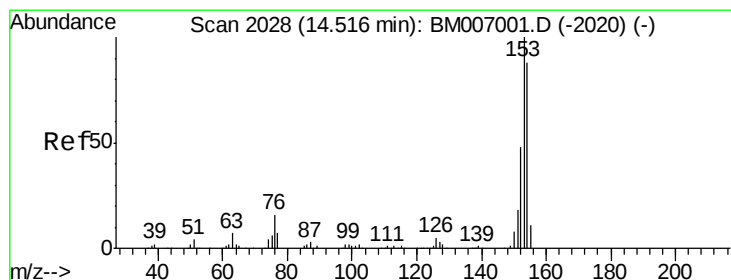
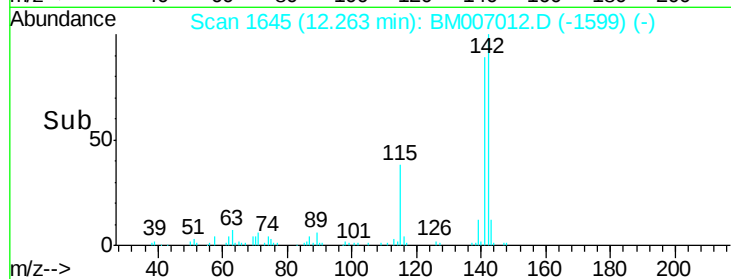
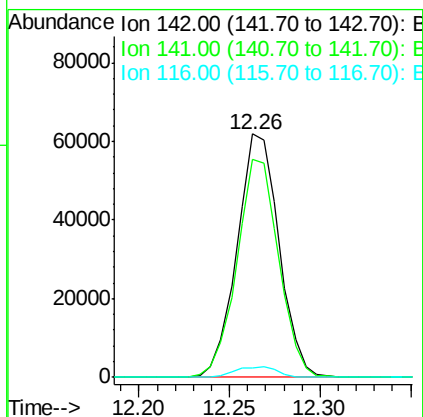
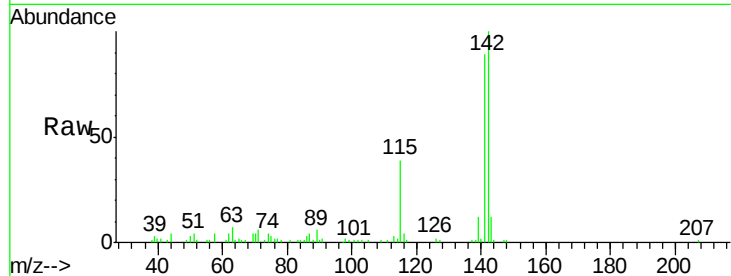




#14
1-Methylnaphthalene
Concen: 1.65 ng/ul
RT: 12.26 min Scan# 1645
Delta R.T. -0.23 min
Lab File: BM007012.D
Acq: 10 Aug 2016 22:24

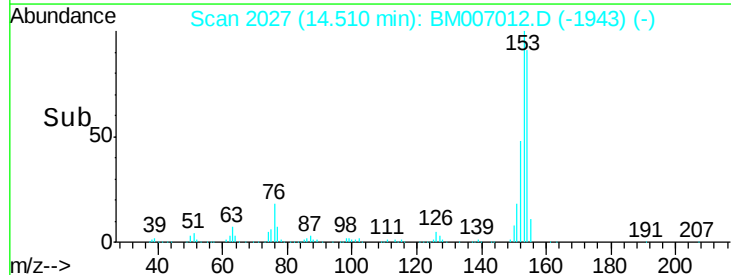
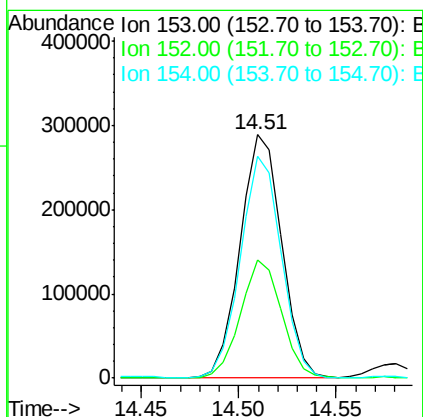
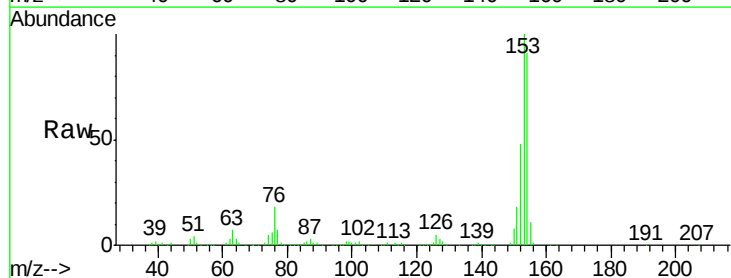
Instrument :
BNA_M
ClientSampleId :
DA0J0

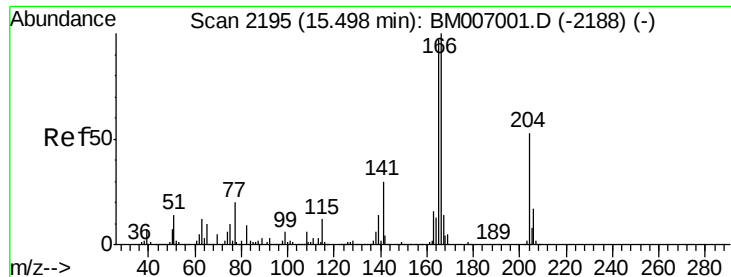
Tgt Ion:142 Resp: 99416
Ion Ratio Lower Upper
142 100
141 89.4 74.4 111.6
116 3.7 3.2 4.8



#19
Acenaphthene
Concen: 6.62 ng/ul
RT: 14.51 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BM007012.D
Acq: 10 Aug 2016 22:24

Tgt Ion:153 Resp: 426667
Ion Ratio Lower Upper
153 100
152 48.3 37.0 55.6
154 91.2 70.9 106.3





#22

Fluorene

Concen: 3.75 ng/ul

RT: 15.50 min Scan# 2195

Delta R.T. -0.01 min

Lab File: BM007012.D

Acq: 10 Aug 2016 22:24

Instrument :

BNA_M

ClientSampled :

DA0J0

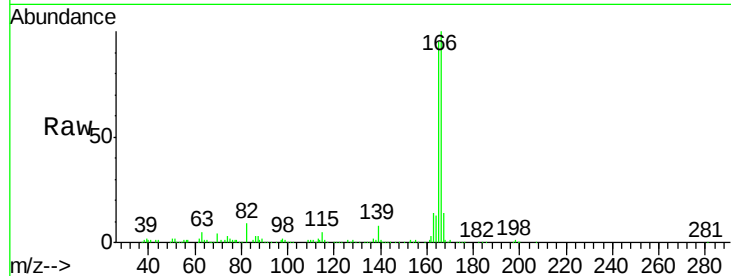
Tgt Ion:166 Resp: 286880

Ion Ratio Lower Upper

166 100

165 95.1 76.6 115.0

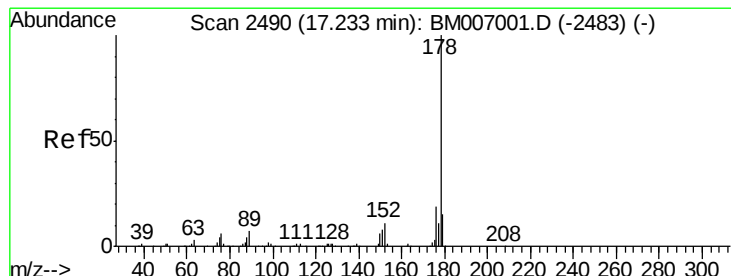
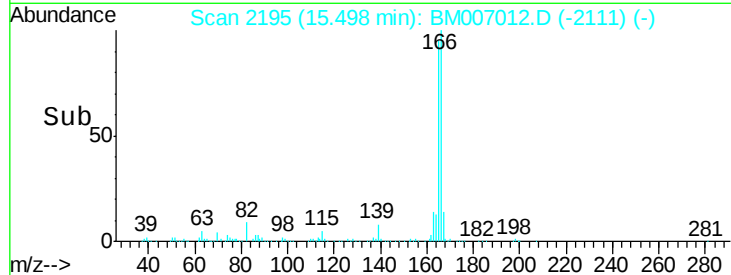
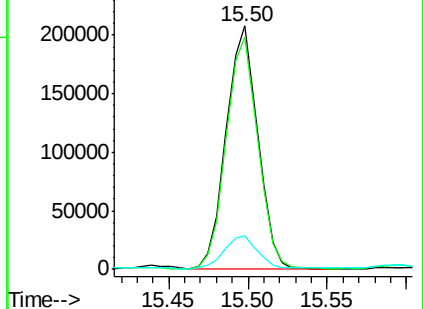
167 13.7 10.7 16.1



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: 35.52 ng/ul

RT: 17.23 min Scan# 2490

Delta R.T. -0.01 min

Lab File: BM007012.D

Acq: 10 Aug 2016 22:24

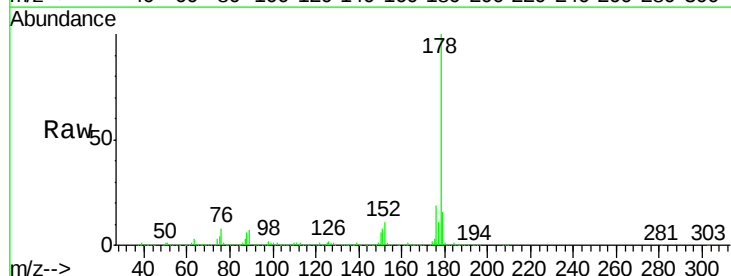
Tgt Ion:178 Resp: 4274895

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.2

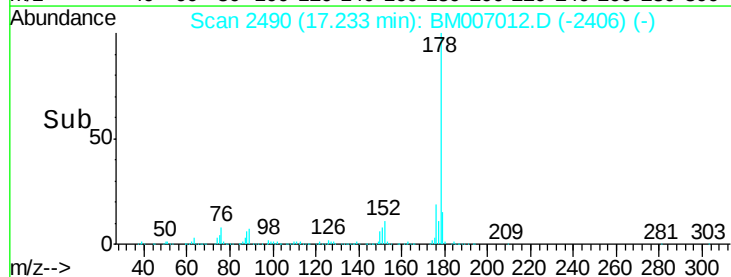
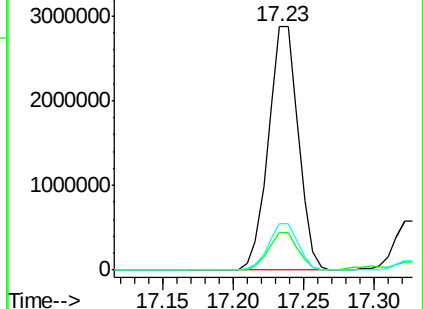
176 19.3 15.2 22.8

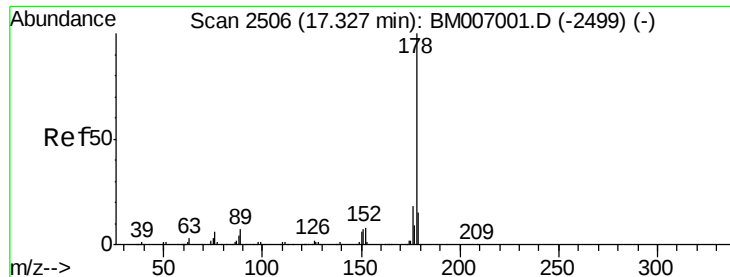


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#27

Anthracene

Concen: 6.91 ng/ul

RT: 17.33 min Scan# 2506

Delta R.T. 0.00 min

Lab File: BM007012.D

Acq: 10 Aug 2016 22:24

Instrument :

BNA_M

ClientSampleId :

DA0J0

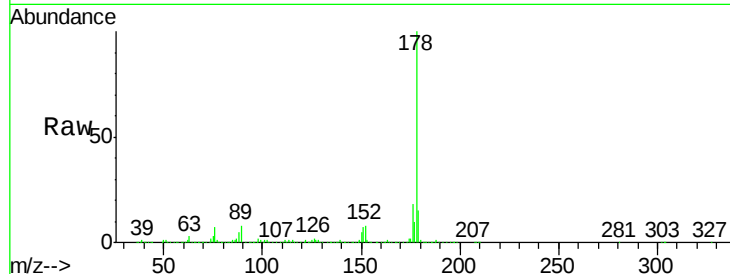
Tgt Ion:178 Resp: 858759

Ion Ratio Lower Upper

178 100

179 15.2 12.5 18.7

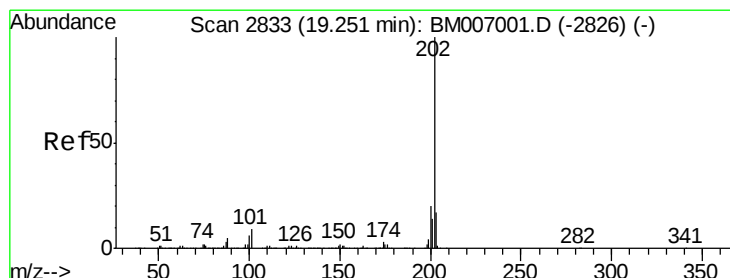
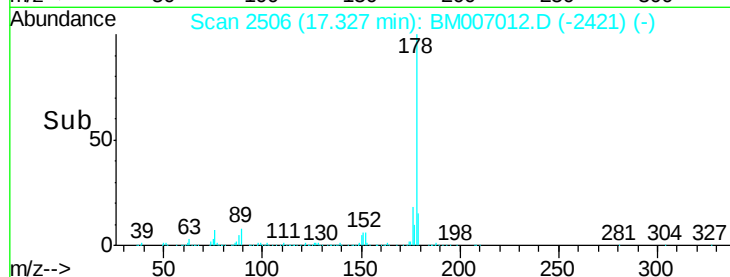
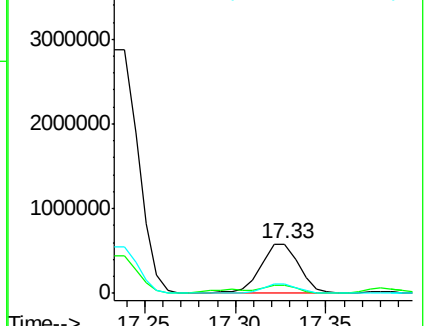
176 18.1 15.0 22.4



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: 42.51 ng/ul

RT: 19.25 min Scan# 2833

Delta R.T. 0.00 min

Lab File: BM007012.D

Acq: 10 Aug 2016 22:24

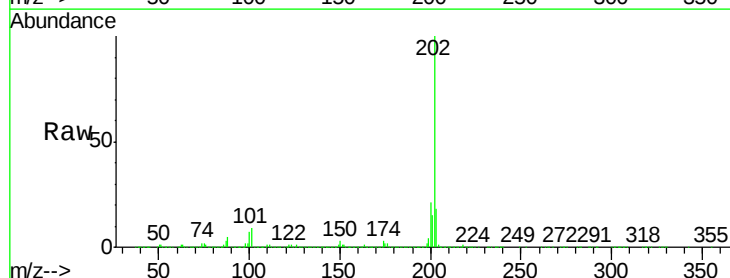
Tgt Ion:202 Resp: 6444073

Ion Ratio Lower Upper

202 100

101 8.6 7.4 11.2

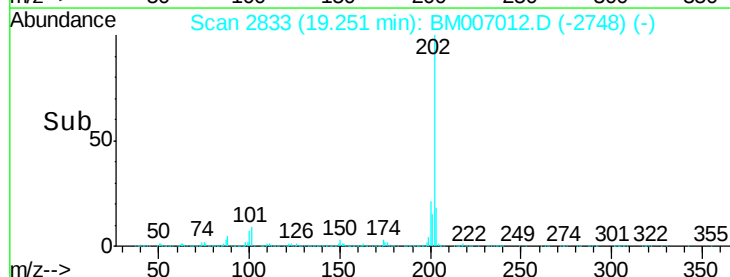
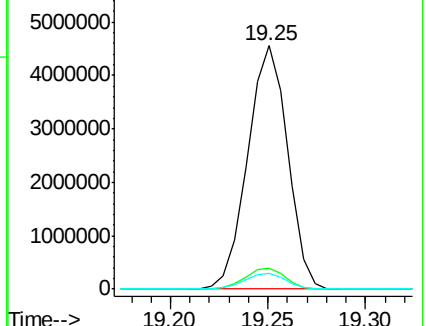
100 6.7 5.8 8.6

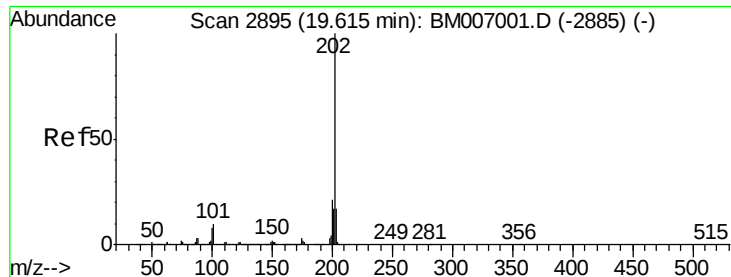


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

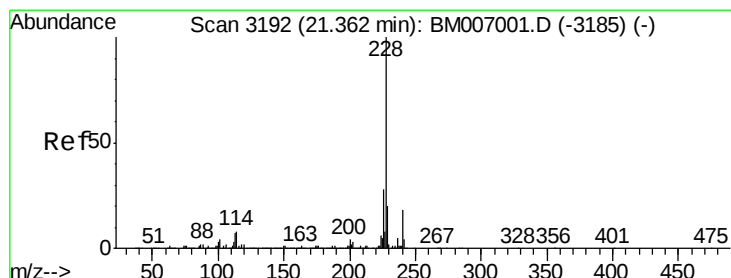
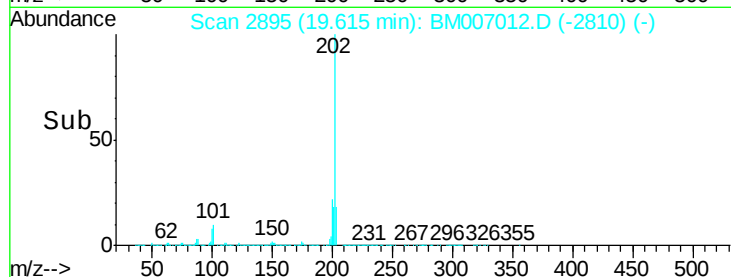
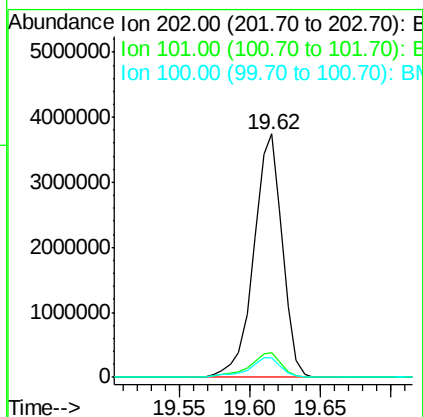
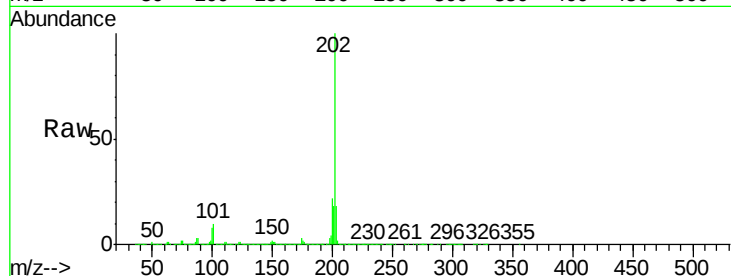




#31
 Pyrene
 Concen: 39.28 ng/ul
 RT: 19.62 min Scan# 2895
 Delta R.T. 0.00 min
 Lab File: BM007012.D
 Acq: 10 Aug 2016 22:24

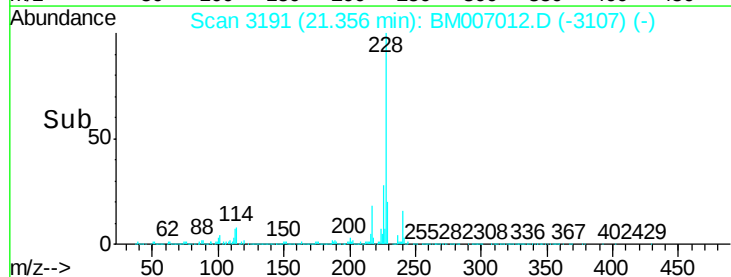
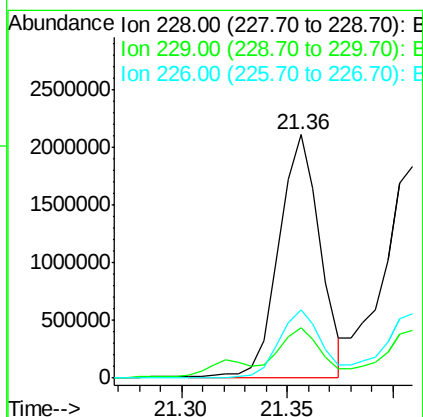
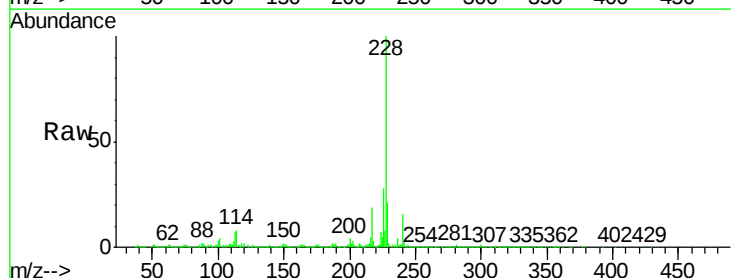
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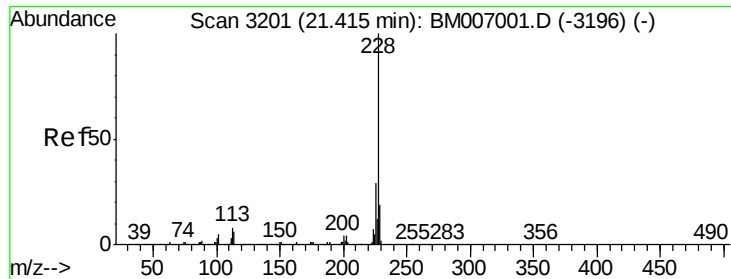
Tgt Ion:202 Resp: 5299028
 Ion Ratio Lower Upper
 202 100
 101 9.9 8.5 12.7
 100 8.1 7.1 10.7



#32
 Benzo(a)anthracene
 Concen: 20.94 ng/ul
 RT: 21.36 min Scan# 3191
 Delta R.T. -0.01 min
 Lab File: BM007012.D
 Acq: 10 Aug 2016 22:24

Tgt Ion:228 Resp: 2866942
 Ion Ratio Lower Upper
 228 100
 229 20.5 15.8 23.6
 226 28.2 21.9 32.9





#33

Chrysene

Concen: 22.11 ng/ul

RT: 21.41 min Scan# 3200

Delta R.T. -0.01 min

Lab File: BM007012.D

Acq: 10 Aug 2016 22:24

Instrument :

BNA_M

ClientSampleId :

DA0J0

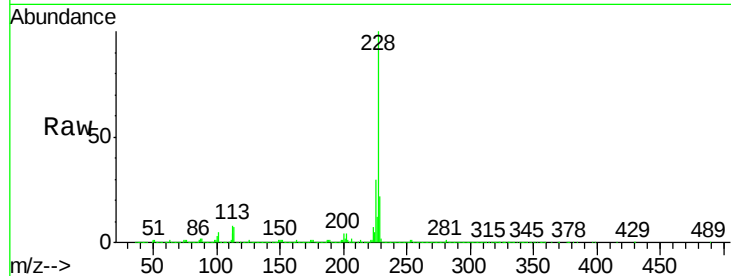
Tgt Ion:228 Resp: 2748504

Ion Ratio Lower Upper

228 100

226 30.2 24.2 36.4

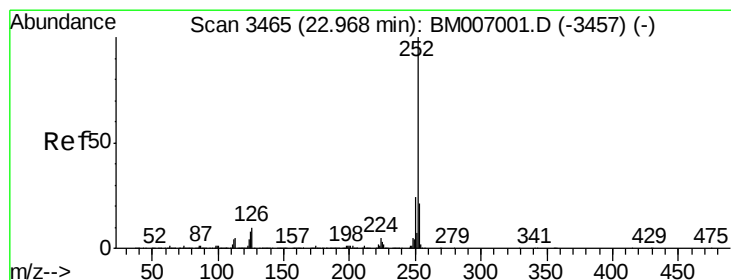
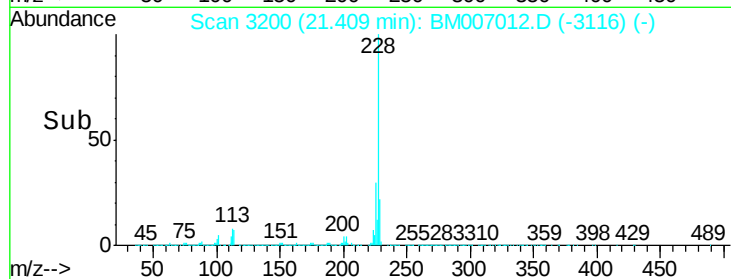
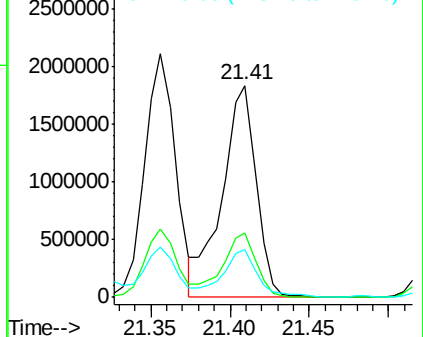
229 22.3 15.9 23.9



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: 30.67 ng/ul

RT: 22.97 min Scan# 3465

Delta R.T. 0.00 min

Lab File: BM007012.D

Acq: 10 Aug 2016 22:24

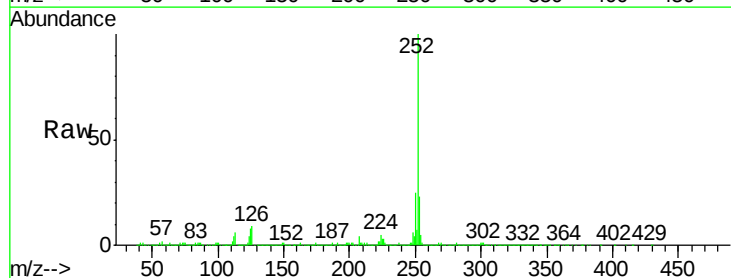
Tgt Ion:252 Resp: 3693396

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.2

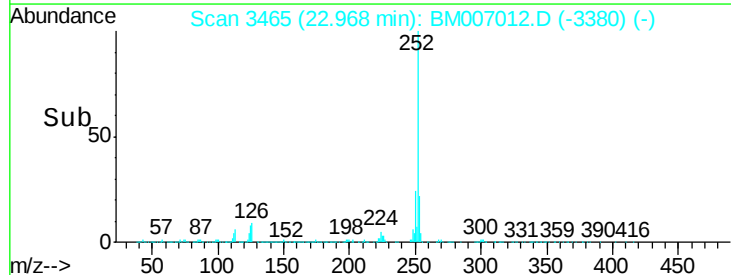
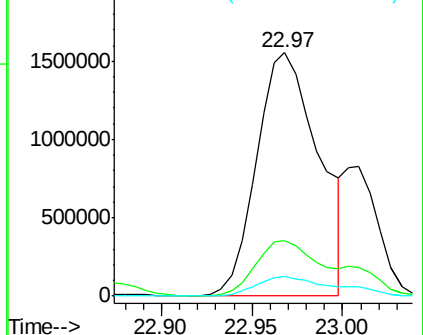
125 7.9 6.0 9.0

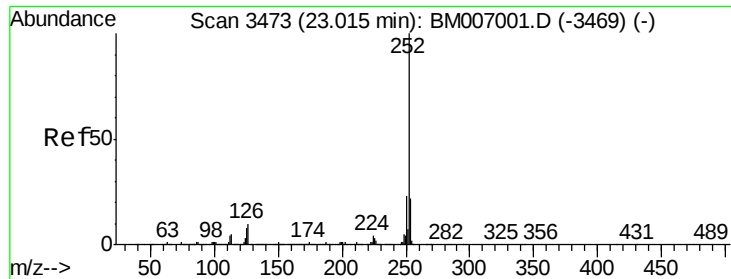


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Benzo(k)fluoranthene

Concen: 32.47 ng/ul

RT: 22.97 min Scan# 3465

Delta R.T. -0.05 min

Lab File: BM007012.D

Acq: 10 Aug 2016 22:24

Instrument :

BNA_M

ClientSampleId :

DA0J0

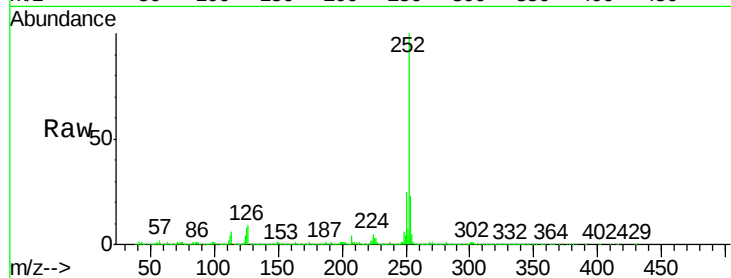
Tgt Ion:252 Resp: 3693396

Ion Ratio Lower Upper

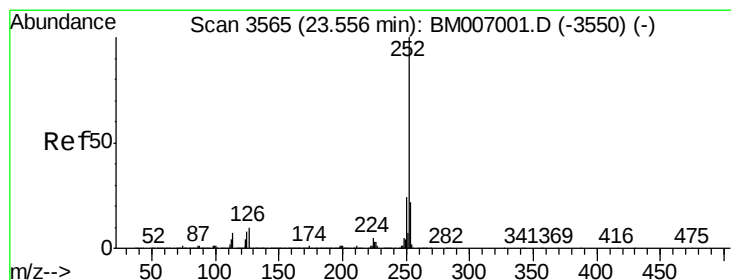
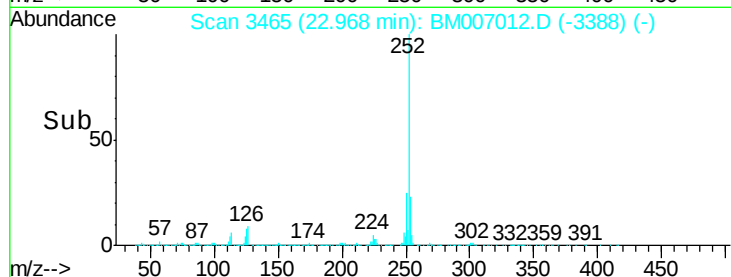
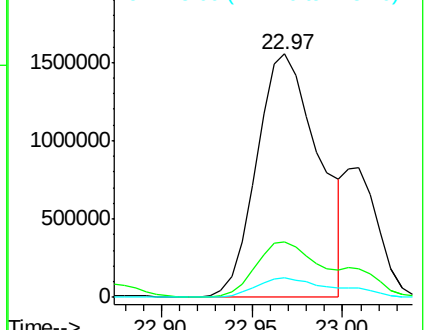
252 100

253 22.8 17.8 26.6

125 7.9 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: 20.99 ng/ul

RT: 23.55 min Scan# 3564

Delta R.T. -0.01 min

Lab File: BM007012.D

Acq: 10 Aug 2016 22:24

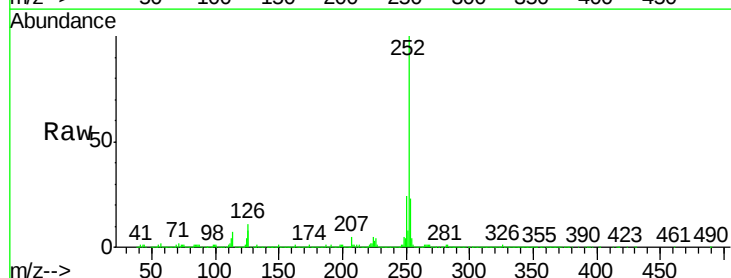
Tgt Ion:252 Resp: 2324870

Ion Ratio Lower Upper

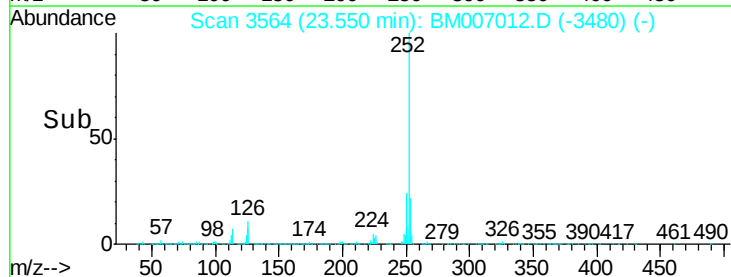
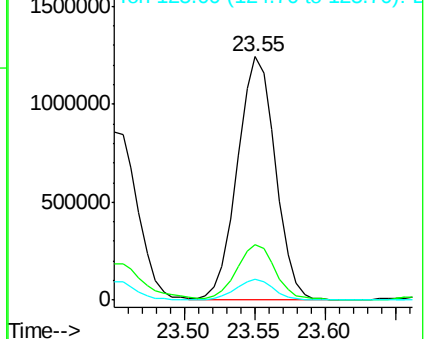
252 100

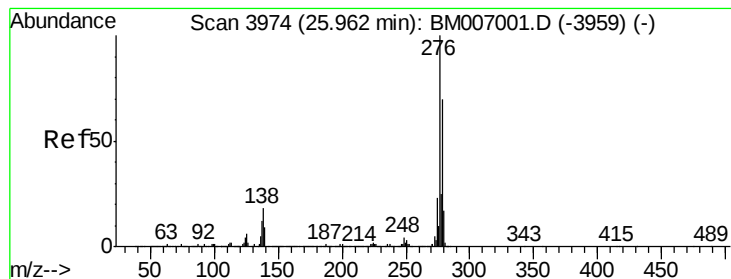
253 22.8 17.7 26.5

125 8.4 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



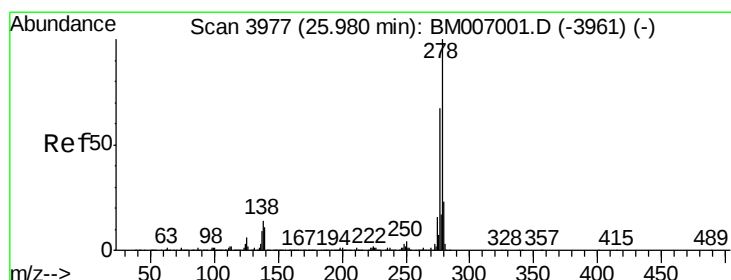
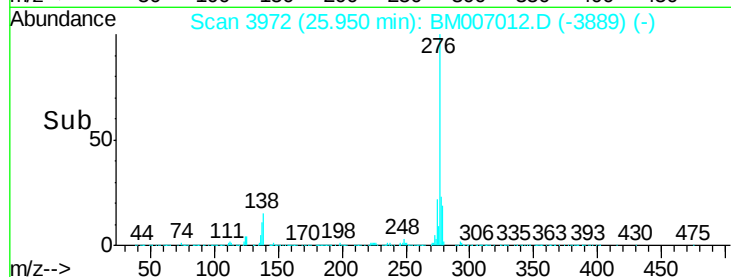
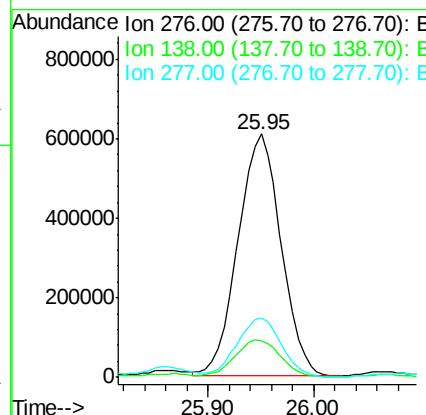
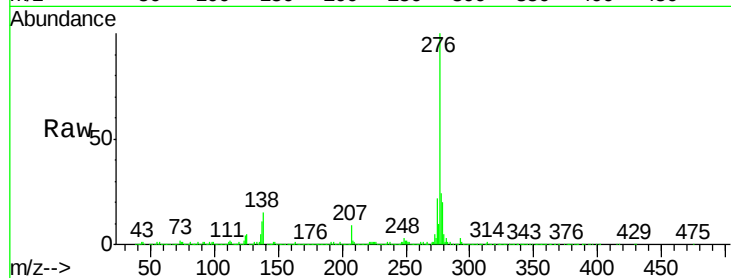


#39

Indeno(1,2,3-cd)pyrene
Concen: 15.61 ng/ul
RT: 25.95 min Scan# 3972
Delta R.T. -0.01 min
Lab File: BM007012.D
Acq: 10 Aug 2016 22:24

Instrument :
BNA_M
ClientSampleId :
DA0J0

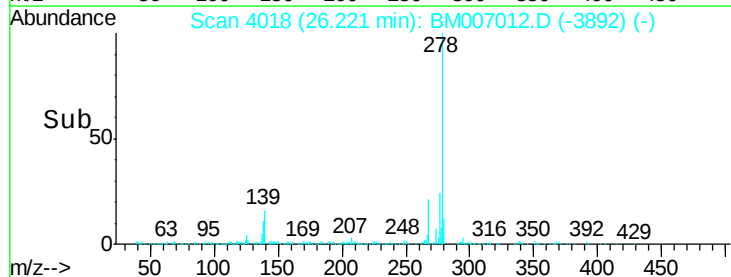
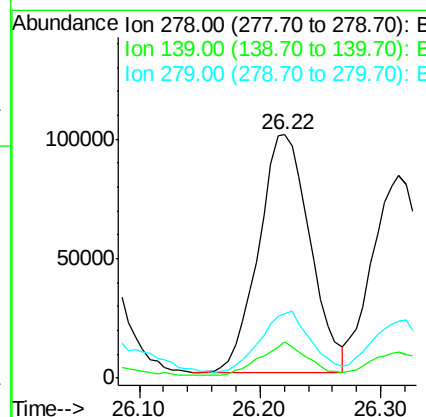
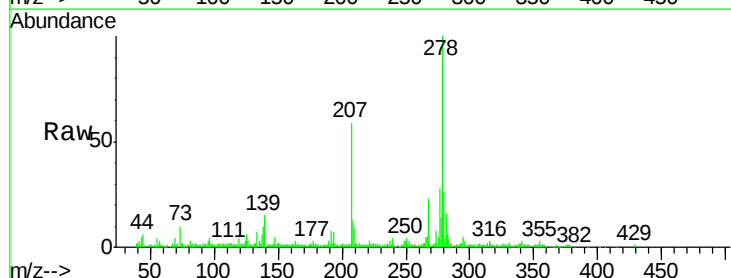
Tgt Ion:276 Resp: 1714379
Ion Ratio Lower Upper
276 100
138 15.1 14.9 22.3
277 24.2 19.8 29.6

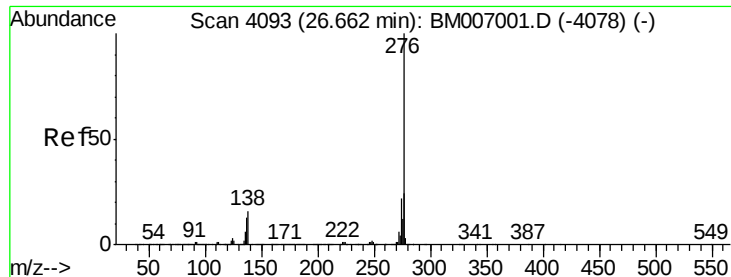


#40

Dibenzo(a,h)anthracene
Concen: 3.26 ng/ul
RT: 26.22 min Scan# 4018
Delta R.T. 0.24 min
Lab File: BM007012.D
Acq: 10 Aug 2016 22:24

Tgt Ion:278 Resp: 296444
Ion Ratio Lower Upper
278 100
139 14.8 10.3 15.5
279 26.2 18.8 28.2





#41

Benzo(g,h,i)perylene

Concen: 18.34 ng/ul

RT: 26.66 min Scan# 4092

Delta R.T. -0.01 min

Lab File: BM007012.D

Acq: 10 Aug 2016 22:24

Instrument :

BNA_M

ClientSampleId :

DA0J0

Tgt Ion:276 Resp: 1656118

Ion Ratio Lower Upper

276 100

138 16.6 14.0 21.0

277 24.2 19.6 29.4

