

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110217\
 Data File : BM012683.D
 Acq On : 03 Nov 2017 03:03
 Operator : SJ/JU
 Sample : I6045-17
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B0E62

Quant Time: Nov 03 04:49:50 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Nov 03 03:08:54 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	158891	20.00	ng/ul	0.00
18) Naphthalene-d8	10.62	136	632088	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.46	164	391924	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.20	188	972014	20.00	ng/ul	0.00
75) Chrysene-d12	21.38	240	1181367	20.00	ng/ul	0.00
83) Perylene-d12	23.67	264	1277919	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.32	96	8502	2.73	ng/uL	0.00
5) Phenol-d5	7.00	99	192732	14.52	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.16	67	103284	13.11	ng/ul	0.00
9) 2-Chlorophenol-d4	7.36	132	166961	16.79	ng/ul	0.00
13) 4-Methylphenol-d8	8.53	113	154272	13.60	ng/ul	0.00
19) Nitrobenzene-d5	8.98	128	80875	20.43	ng/ul	0.00
22) 2-Nitrophenol-d4	9.70	143	92179	22.60	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.24	165	174387	16.14	ng/ul	0.00
29) 4-Chloroaniline-d4	10.75	131	168694	14.81	ng/ul	0.00
43) Dimethylphthalate-d6	13.87	166	554981	16.21	ng/ul	0.00
46) Acenaphthylene-d8	14.15	160	669507	16.53	ng/ul	0.00
51) 4-Nitrophenol-d4	14.66	143	75774	14.89	ng/ul	0.00
57) Fluorene-d10	15.45	176	487097	16.81	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.58	200	74315	15.80	ng/ul	0.00
70) Anthracene-d10	17.30	188	786688	16.98	ng/ul	0.00
76) Pyrene-d10	19.59	212	919418	16.96	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.52	264	1049245	17.28	ng/ul	0.00

Target Compounds

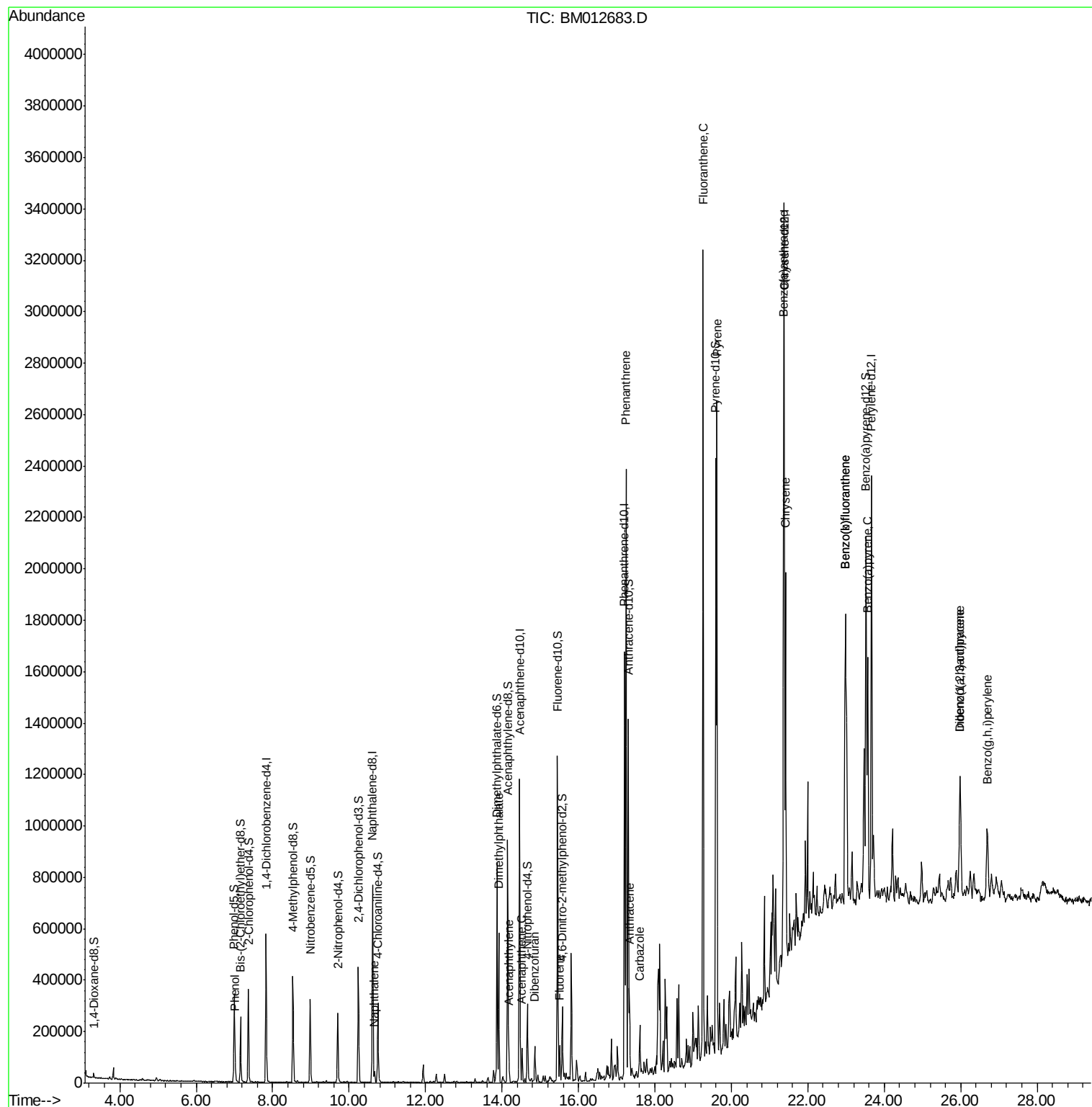
					Ovalue	
6) Phenol	7.02	94	31252	2.26	ng/ul#	83
28) Naphthalene	10.66	128	34476	1.10	ng/ul	96
44) Dimethylphthalate	13.92	163	371560	10.97	ng/ul	98
47) Acenaphthylene	14.18	152	51410	1.33	ng/ul	97
49) Acenaphthene	14.52	153	52737	1.99	ng/ul	97
53) Dibenzofuran	14.86	168	74344	1.90	ng/ul	98
58) Fluorene	15.51	166	58233	1.76	ng/ul	95
69) Phenanthrene	17.24	178	1455890	27.70	ng/ul	99
71) Anthracene	17.33	178	224534	4.13	ng/ul	97
72) Carbazole	17.60	167	114820	2.55	ng/ul	97
74) Fluoranthene	19.26	202	1864742	31.31	ng/ul#	95
77) Pyrene	19.62	202	1609911	23.96	ng/ul#	93
80) Benzo(a)anthracene	21.36	228	851627	12.04	ng/ul	99
82) Chrysene	21.42	228	852684	13.56	ng/ul	97
85) Benzo(b)fluoranthene	22.98	252	1028712	13.02	ng/ul#	97
86) Benzo(k)fluoranthene	22.98	252	1028712	13.84	ng/ul#	95
88) Benzo(a)pyrene	23.57	252	729507	9.69	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.99	276	482083	5.44	ng/ul#	96
90) Dibenzo(a,h)anthracene	25.99	278	136423	1.82	ng/ul#	91
91) Benzo(g,h,i)perylene	26.69	276	377563	5.26	ng/ul#	95

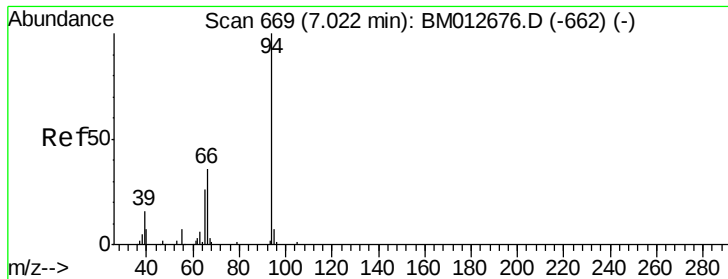
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Phenol

Concen: 2.26 ng/ul

RT: 7.02 min Scan# 669

Delta R.T. -0.00 min

Lab File: BM012683.D

Acq: 03 Nov 2017 03:03

Instrument :

BNA_M

ClientSampleId :

B0E62

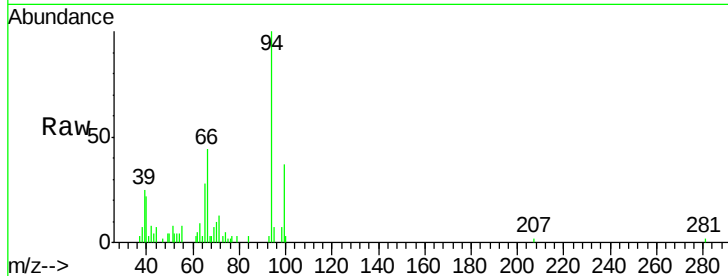
Tot Ion: 94 Resp: 31252

Ion Ratio Lower Upper

94 100

65 28.2 28.2 42.4#

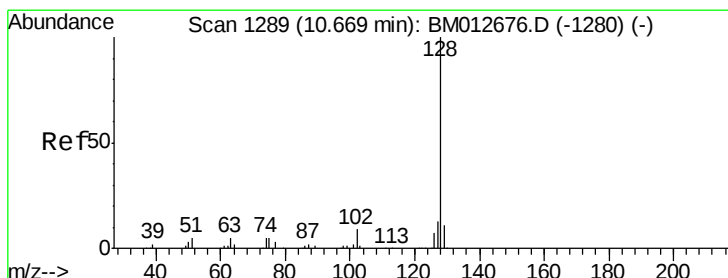
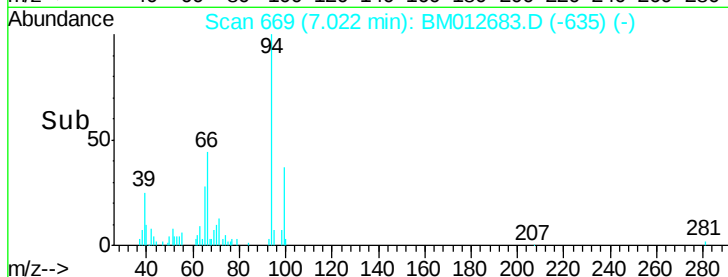
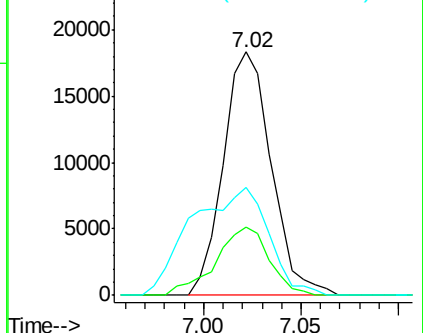
66 44.5 47.2 70.8#



Abundance Ion 94.00 (93.70 to 94.70): BM012676.D (-662) (-)

Ion 65.00 (64.70 to 65.70): BM012676.D (-662) (-)

Ion 66.00 (65.70 to 66.70): BM012676.D (-662) (-)



#28

Naphthalene

Concen: 1.10 ng/ul

RT: 10.66 min Scan# 1288

Delta R.T. -0.01 min

Lab File: BM012683.D

Acq: 03 Nov 2017 03:03

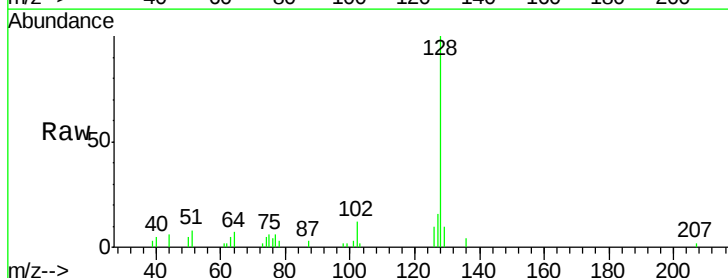
Tgt Ion: 128 Resp: 34476

Ion Ratio Lower Upper

128 100

129 10.2 8.8 13.2

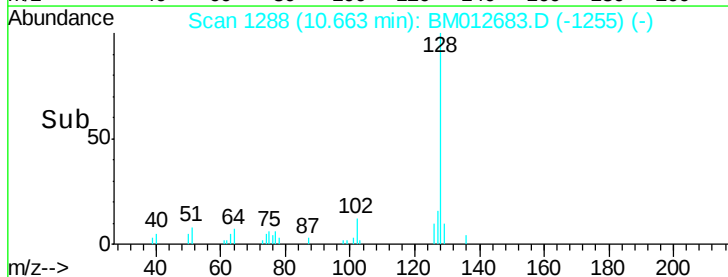
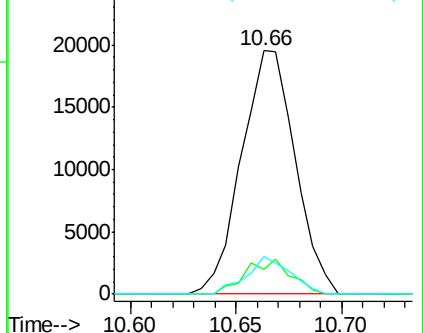
127 15.6 10.6 16.0

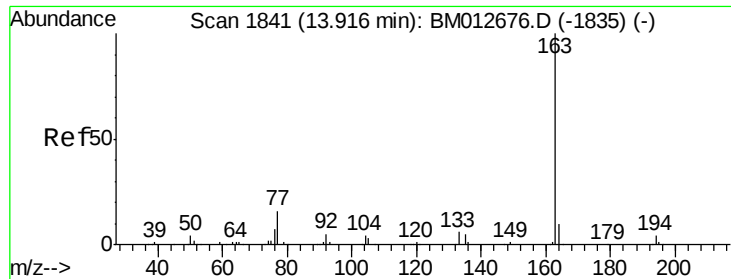


Abundance Ion 128.00 (127.70 to 128.70): BM012676.D (-1280) (-)

Ion 129.00 (128.70 to 129.70): BM012676.D (-1280) (-)

Ion 127.00 (126.70 to 127.70): BM012676.D (-1280) (-)

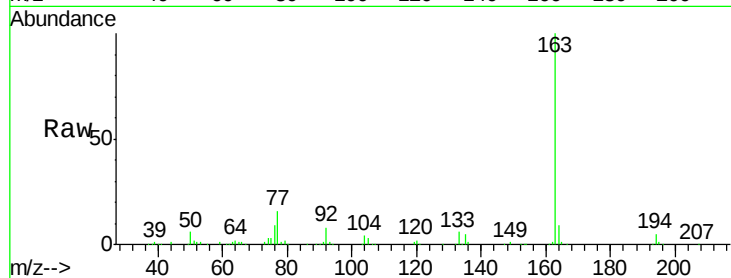




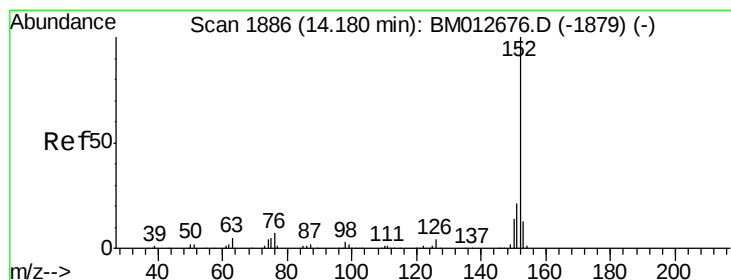
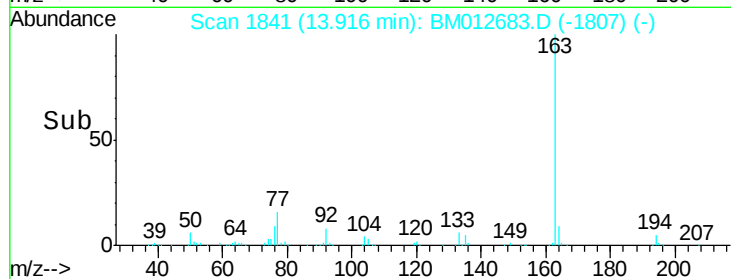
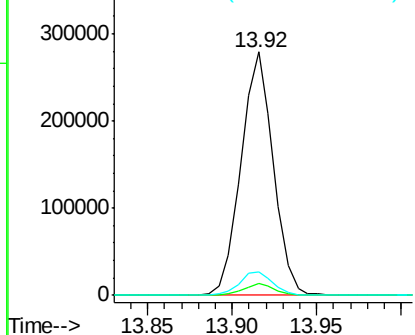
#44
Dimethylphthalate
Concen: 10.97 ng/ul
RT: 13.92 min Scan# 1841
Delta R.T. -0.00 min
Lab File: BM012683.D
Acq: 03 Nov 2017 03:03

Instrument :
BNA_M
ClientSampleId :
B0E62

Tot Ion:163 Resp: 371560
Ion Ratio Lower Upper
163 100
194 4.8 3.5 5.3
164 9.5 8.2 12.4

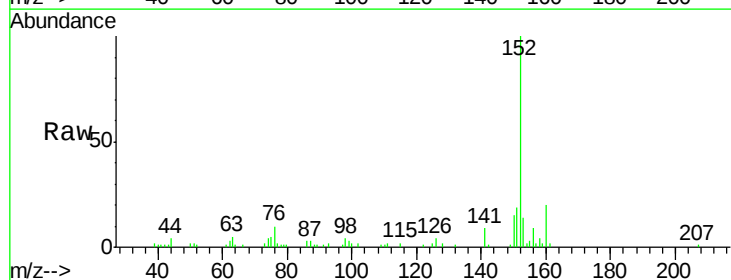


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

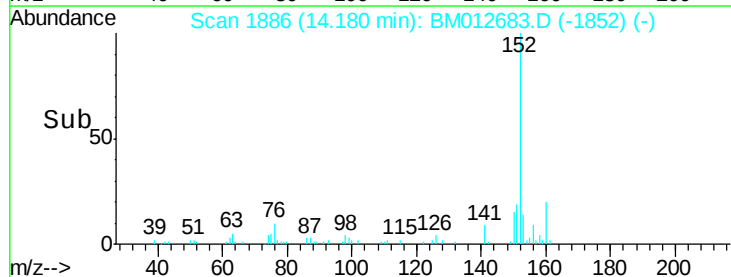
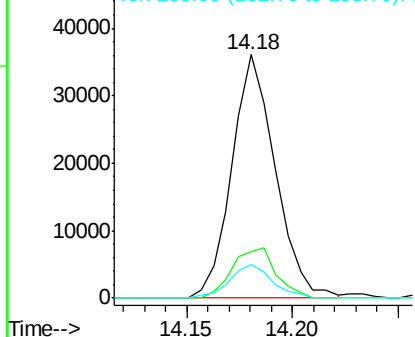


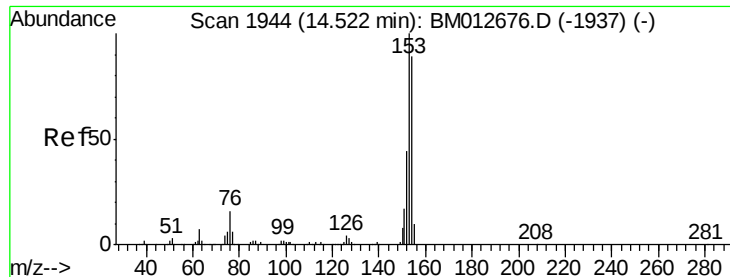
#47
Acenaphthylene
Concen: 1.33 ng/ul
RT: 14.18 min Scan# 1886
Delta R.T. -0.00 min
Lab File: BM012683.D
Acq: 03 Nov 2017 03:03

Tgt Ion:152 Resp: 51410
Ion Ratio Lower Upper
152 100
151 19.0 16.3 24.5
153 13.9 10.2 15.4



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





#49

Acenaphthene

Concen: 1.99 ng/ul

RT: 14.52 min Scan# 1944

Delta R.T. -0.00 min

Lab File: BM012683.D

Acq: 03 Nov 2017 03:03

Instrument :

BNA_M

ClientSampleId :

B0E62

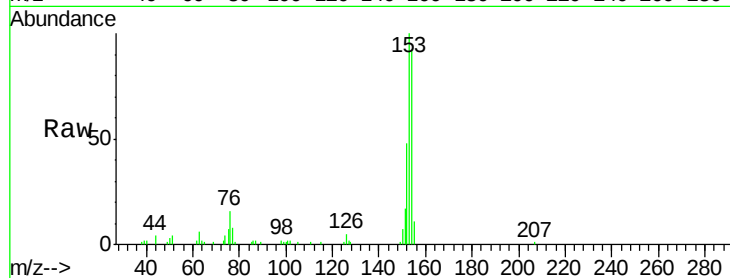
Tot Ion:153 Resp: 52737

Ion Ratio Lower Upper

153 100

152 48.2 37.6 56.4

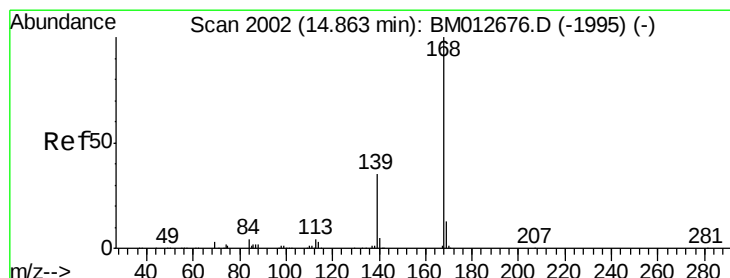
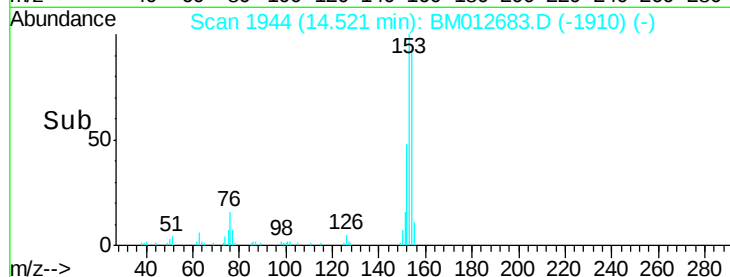
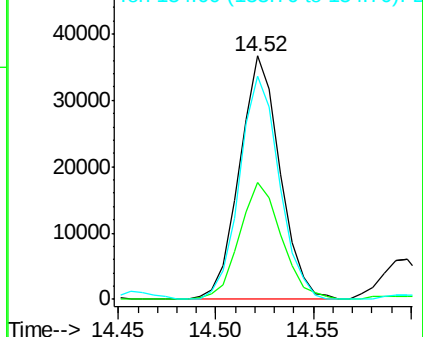
154 91.6 70.4 105.6



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



#53

Dibenzofuran

Concen: 1.90 ng/ul

RT: 14.86 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BM012683.D

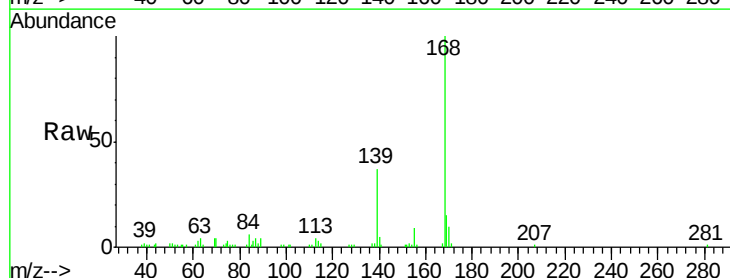
Acq: 03 Nov 2017 03:03

Tgt Ion:168 Resp: 74344

Ion Ratio Lower Upper

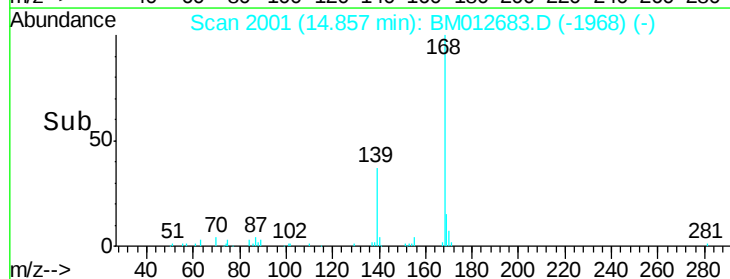
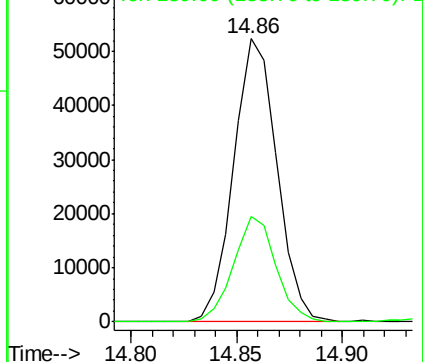
168 100

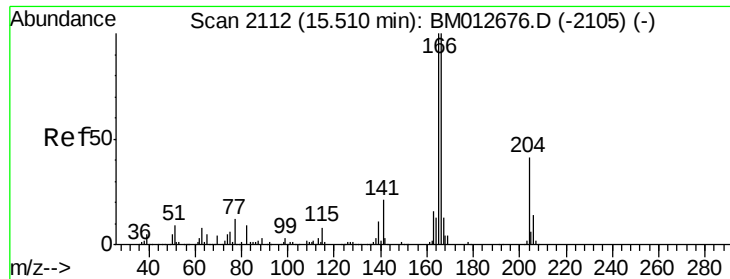
139 37.1 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 1.76 ng/ul

RT: 15.51 min Scan# 2112

Delta R.T. -0.00 min

Lab File: BM012683.D

Acq: 03 Nov 2017 03:03

Instrument :

BNA_M

ClientSampleId :

B0E62

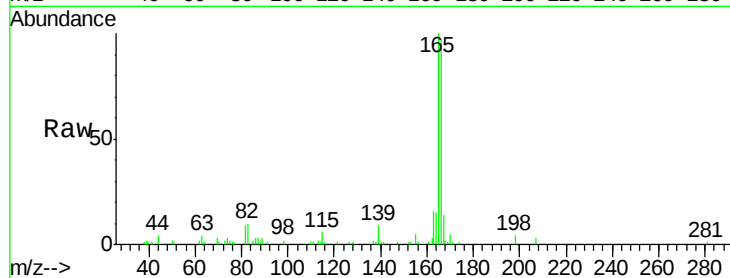
Tot Ion:166 Resp: 58233

Ion Ratio Lower Upper

166 100

165 102.8 77.9 116.9

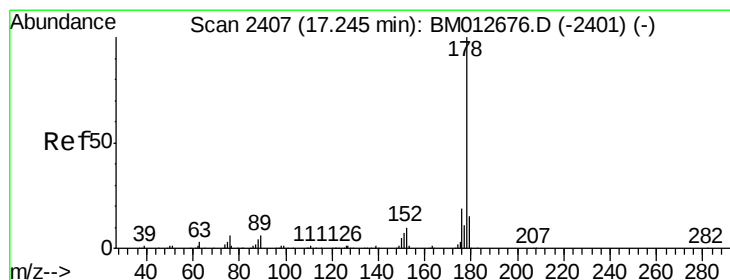
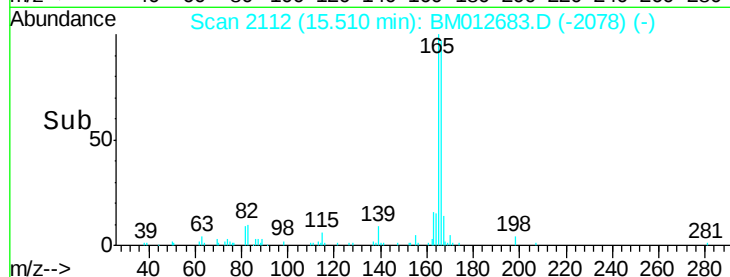
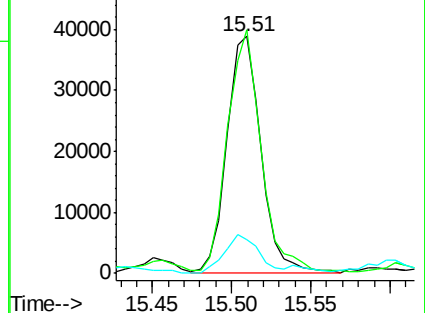
167 14.4 10.6 16.0



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



#69

Phenanthrene

Concen: 27.70 ng/ul

RT: 17.24 min Scan# 2407

Delta R.T. -0.00 min

Lab File: BM012683.D

Acq: 03 Nov 2017 03:03

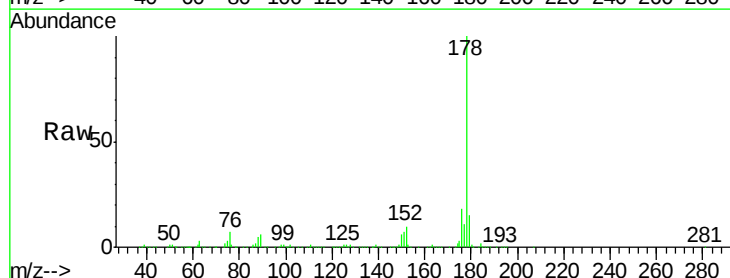
Tgt Ion:178 Resp: 1455890

Ion Ratio Lower Upper

178 100

179 15.0 12.6 19.0

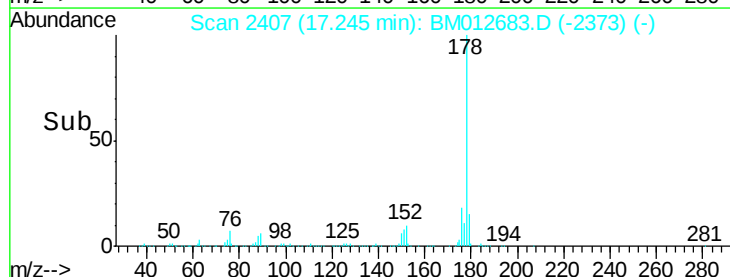
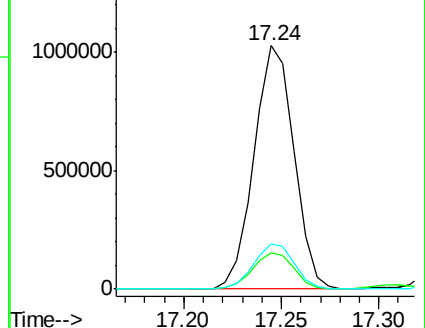
176 18.5 14.9 22.3

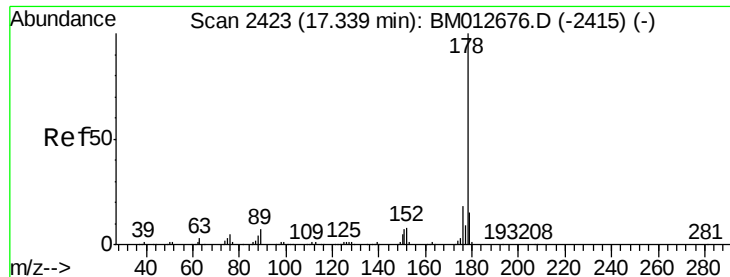


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

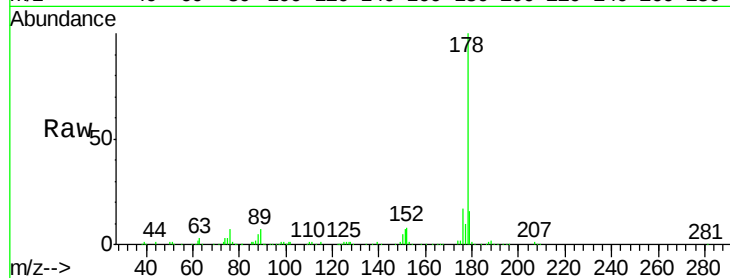




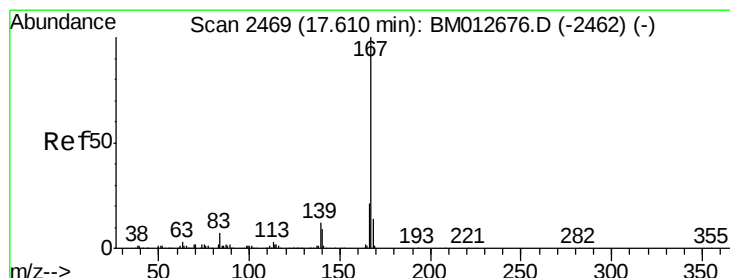
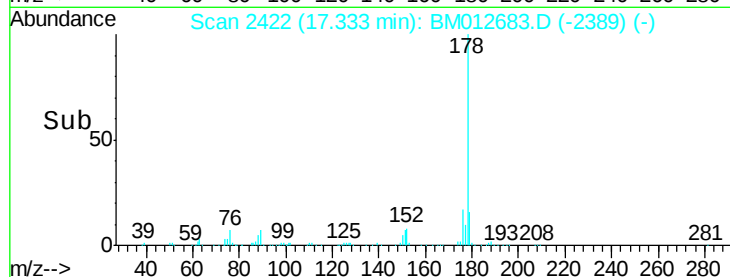
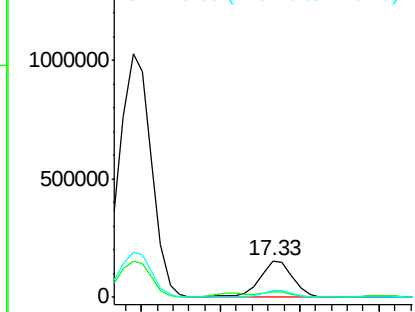
#71
 Anthracene
 Concen: 4.13 ng/ul
 RT: 17.33 min Scan# 2422
 Delta R.T. -0.01 min
 Lab File: BM012683.D
 Acq: 03 Nov 2017 03:03

Instrument :
 BNA_M
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 B0E62

Tot Ion:178 Resp: 224534
 Ion Ratio Lower Upper
 178 100
 179 16.3 11.7 17.5
 176 17.4 14.6 21.8

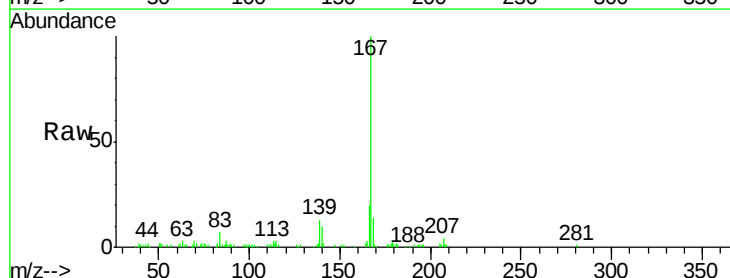


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

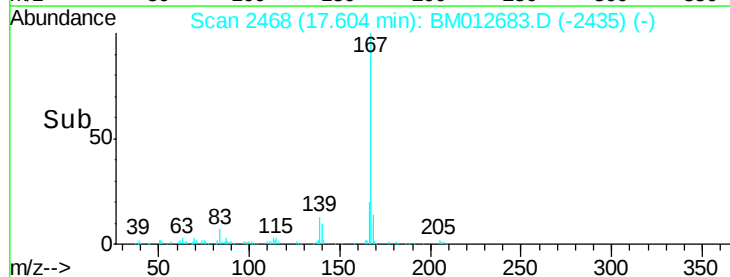
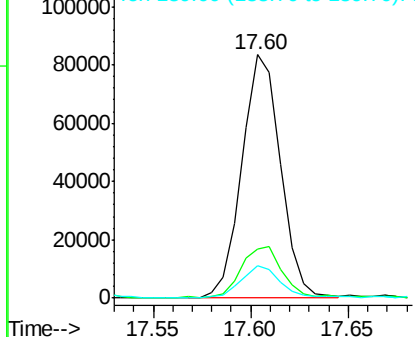


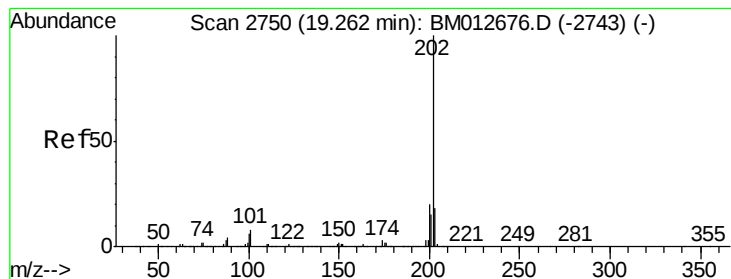
#72
 Carbazole
 Concen: 2.55 ng/ul
 RT: 17.60 min Scan# 2468
 Delta R.T. -0.01 min
 Lab File: BM012683.D
 Acq: 03 Nov 2017 03:03

Tgt Ion:167 Resp: 114820
 Ion Ratio Lower Upper
 167 100
 166 19.9 17.1 25.7
 139 13.3 10.0 15.0



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 31.31 ng/ul

RT: 19.26 min Scan# 2750

Delta R.T. -0.00 min

Lab File: BM012683.D

Acq: 03 Nov 2017 03:03

Instrument :

BNA_M

ClientSampleId :

B0E62

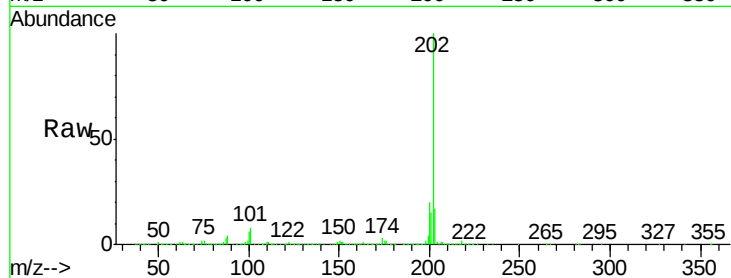
Tot Ion:202 Resp: 1864742

Ion Ratio Lower Upper

202 100

101 7.8 4.6 7.0#

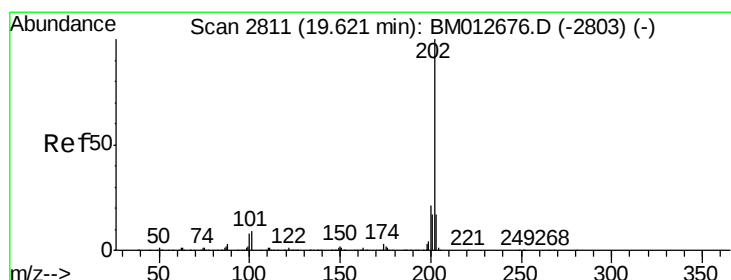
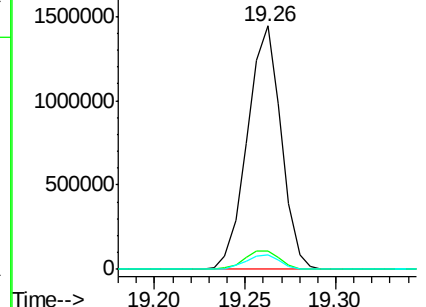
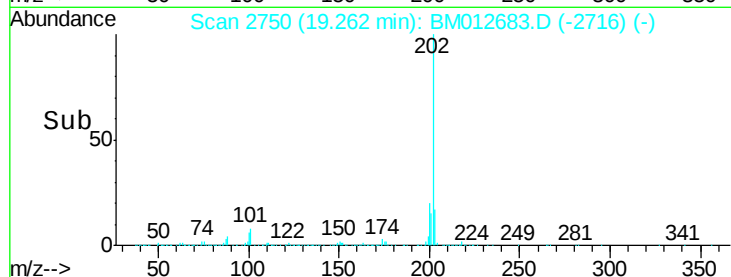
100 5.8 3.4 5.2#



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



#77

Pyrene

Concen: 23.96 ng/ul

RT: 19.62 min Scan# 2811

Delta R.T. -0.00 min

Lab File: BM012683.D

Acq: 03 Nov 2017 03:03

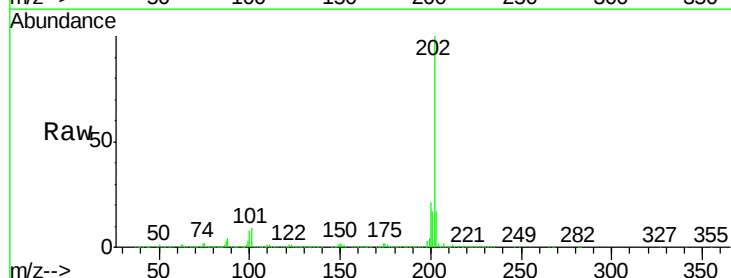
Tgt Ion:202 Resp: 1609911

Ion Ratio Lower Upper

202 100

101 9.4 5.1 7.7#

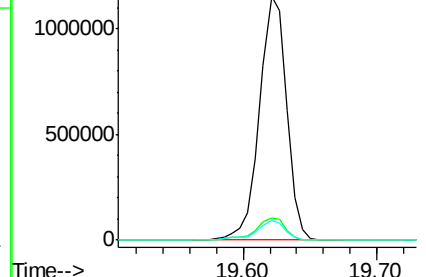
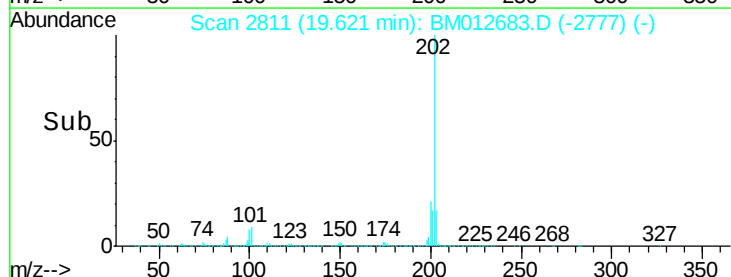
100 8.1 4.9 7.3#

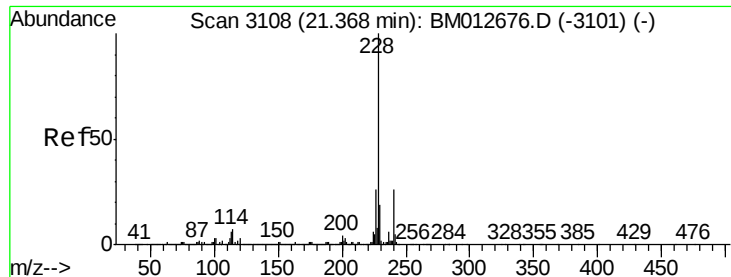


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

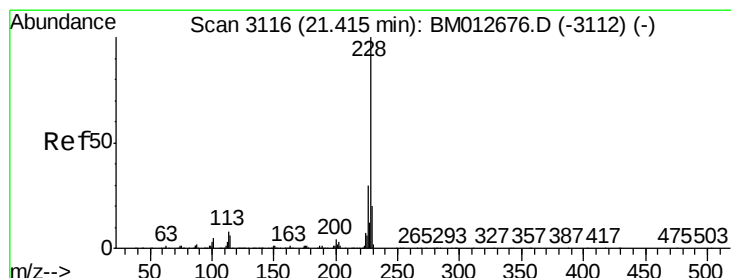
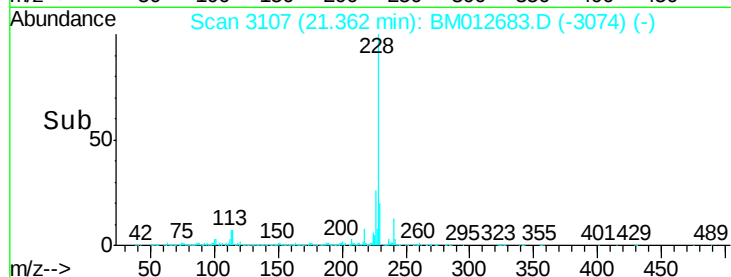
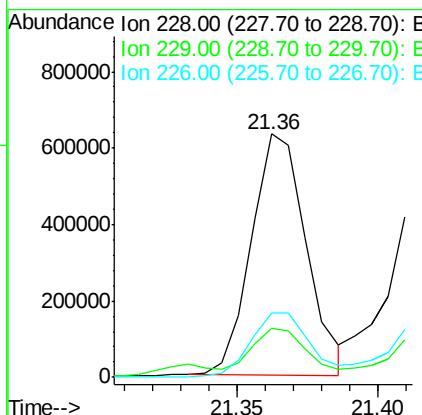
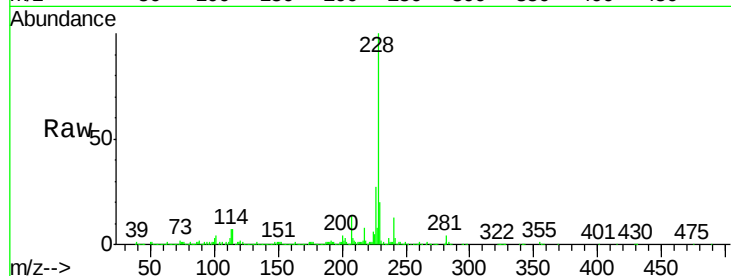




#80
Benzo(a)anthracene
Concen: 12.04 ng/ul
RT: 21.36 min Scan# 3107
Delta R.T. -0.01 min
Lab File: BM012683.D
Acq: 03 Nov 2017 03:03

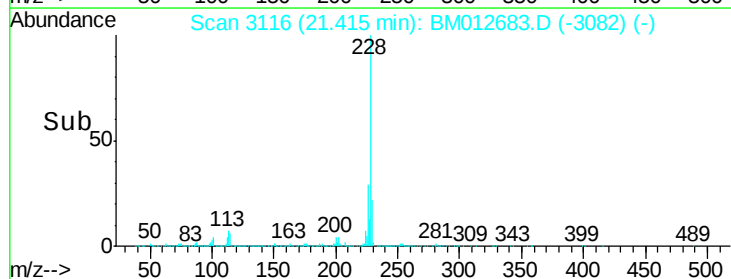
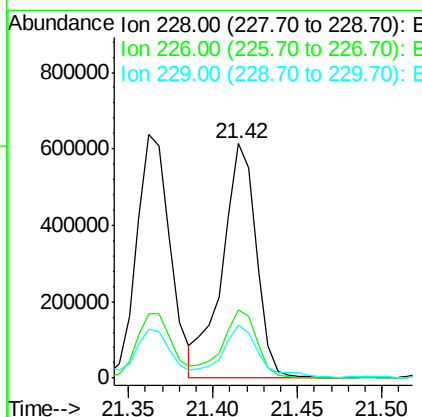
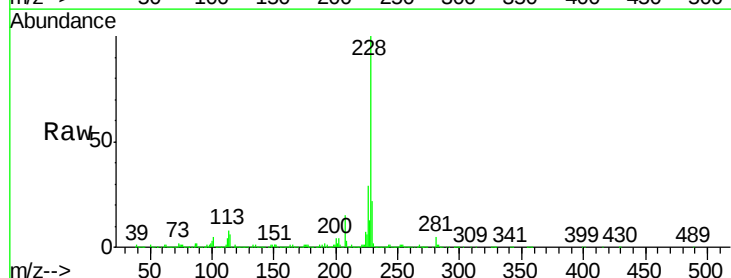
Instrument :
BNA_M
ClientSampleId :
B0E62

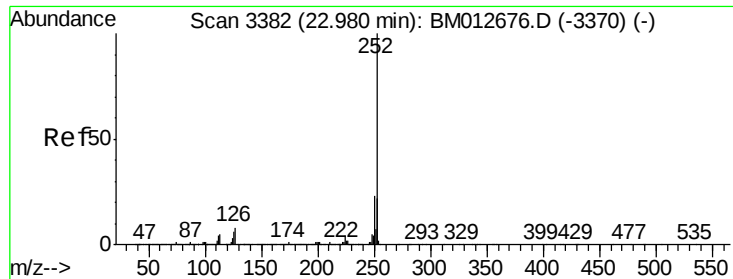
Tot Ion	Ratio	Lower	Upper
228	100		
229	20.3	15.4	23.0
226	26.6	21.4	32.0



#82
Chrysene
Concen: 13.56 ng/ul
RT: 21.42 min Scan# 3116
Delta R.T. -0.00 min
Lab File: BM012683.D
Acq: 03 Nov 2017 03:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.4	35.2
229	22.4	15.5	23.3





#85

Benzo(b)fluoranthene

Concen: 13.02 ng/ul

RT: 22.98 min Scan# 3382

Delta R.T. -0.00 min

Lab File: BM012683.D

Acq: 03 Nov 2017 03:03

Instrument :

BNA_M

ClientSampleId :

B0E62

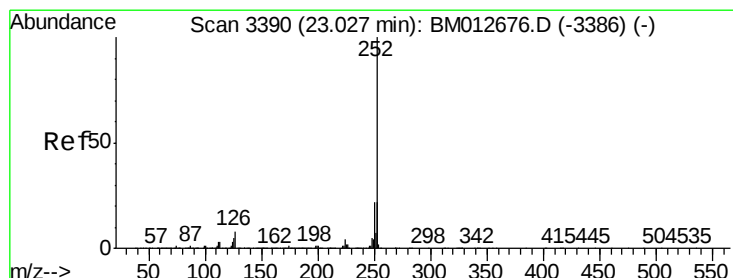
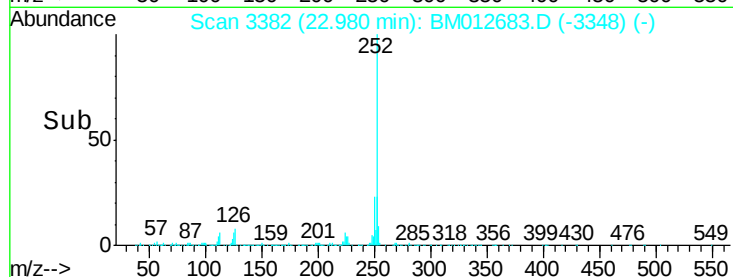
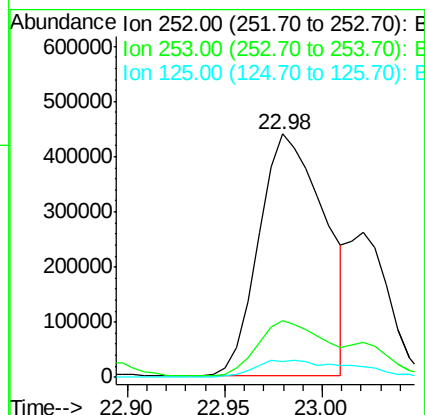
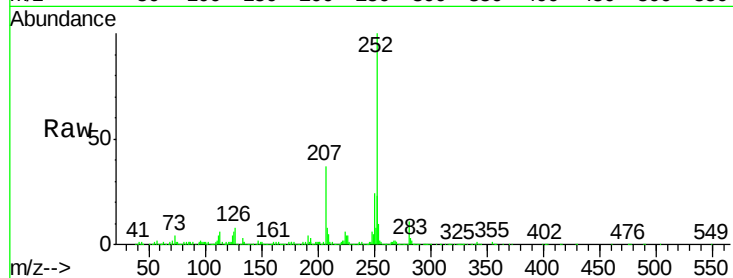
Tot Ion:252 Resp: 1028712

Ion Ratio Lower Upper

252 100

253 23.4 17.9 26.9

125 6.4 3.6 5.4#



#86

Benzo(k)fluoranthene

Concen: 13.84 ng/ul

RT: 22.98 min Scan# 3382

Delta R.T. -0.05 min

Lab File: BM012683.D

Acq: 03 Nov 2017 03:03

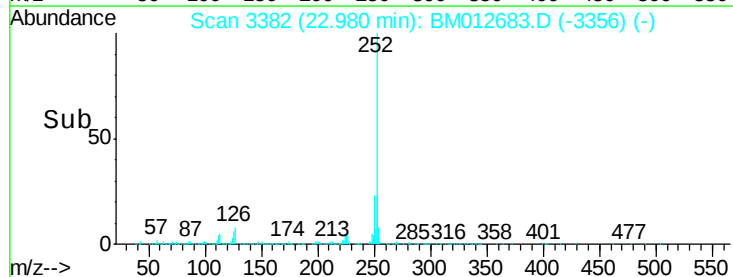
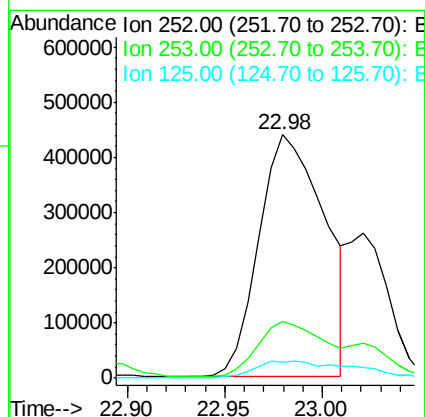
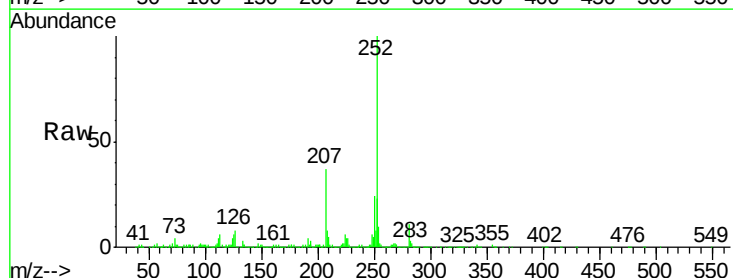
Tgt Ion:252 Resp: 1028712

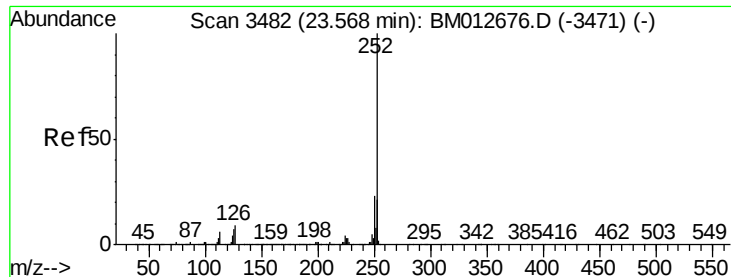
Ion Ratio Lower Upper

252 100

253 23.4 17.1 25.7

125 6.4 3.4 5.2#





#88

Benzo(a)pyrene

Concen: 9.69 ng/ul

RT: 23.57 min Scan# 3482

Delta R.T. -0.00 min

Lab File: BM012683.D

Acq: 03 Nov 2017 03:03

Instrument :

BNA_M

ClientSampleId :

B0E62

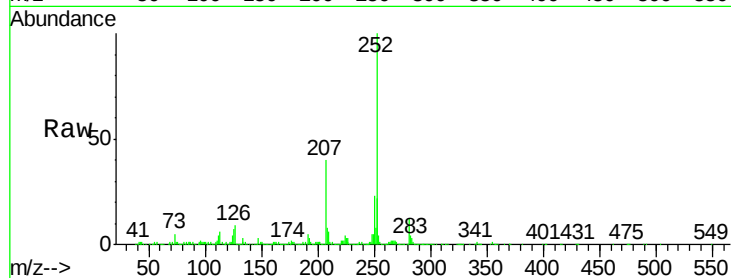
Tot Ion:252 Resp: 729507

Ion Ratio Lower Upper

252 100

253 22.3 18.2 27.2

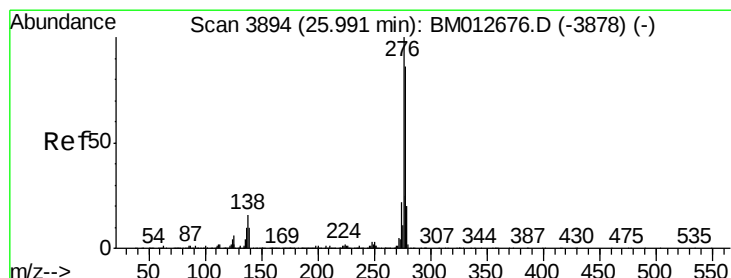
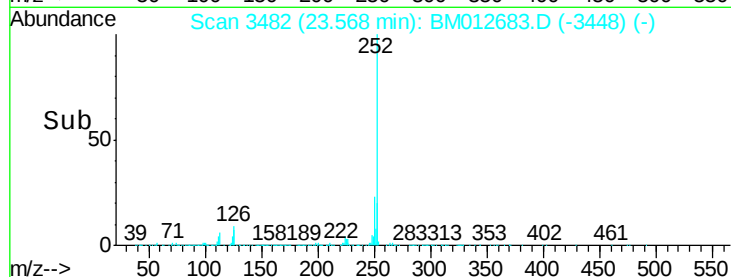
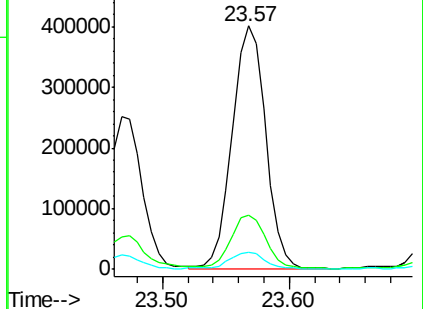
125 7.0 4.0 6.0#



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 5.44 ng/ul

RT: 25.99 min Scan# 3893

Delta R.T. -0.01 min

Lab File: BM012683.D

Acq: 03 Nov 2017 03:03

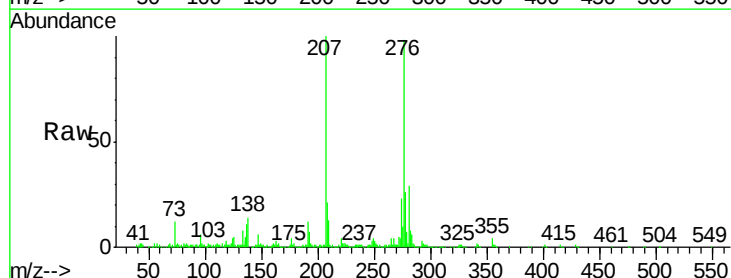
Tgt Ion:276 Resp: 482083

Ion Ratio Lower Upper

276 100

138 14.5 9.3 13.9#

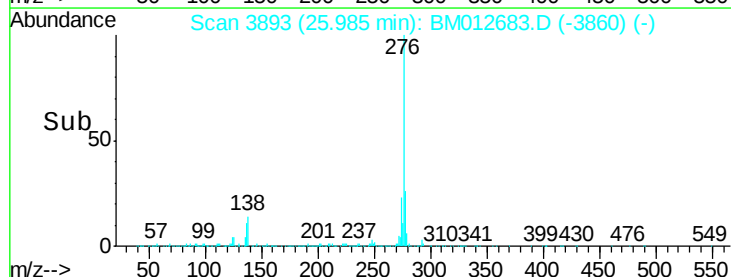
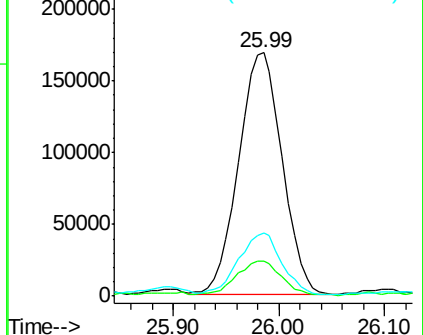
277 26.1 19.9 29.9

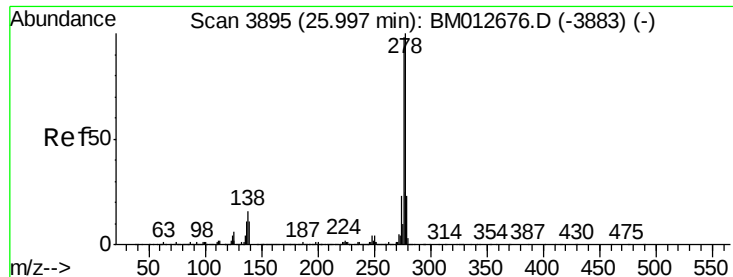


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 1.82 ng/ul

RT: 25.99 min Scan# 3893

Delta R.T. -0.01 min

Lab File: BM012683.D

Acq: 03 Nov 2017 03:03

Instrument :

BNA_M

ClientSampleId :

B0E62

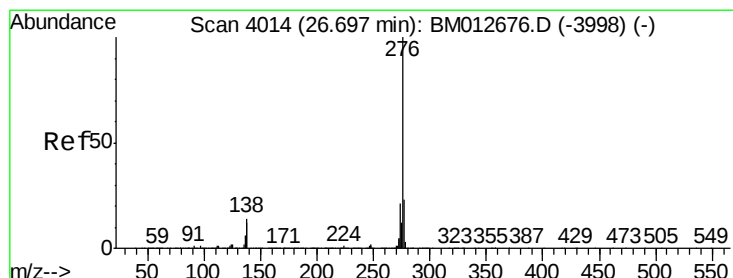
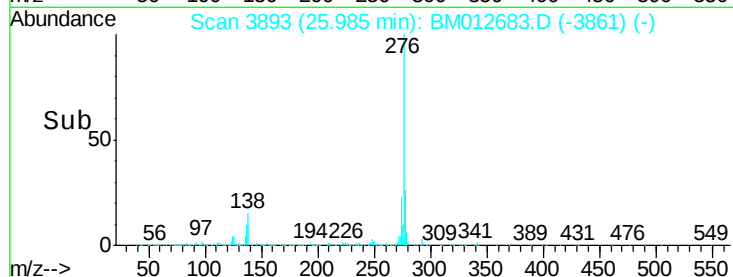
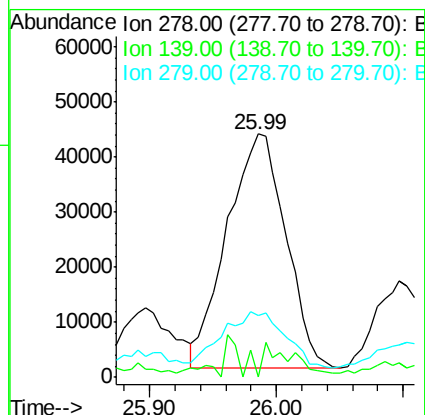
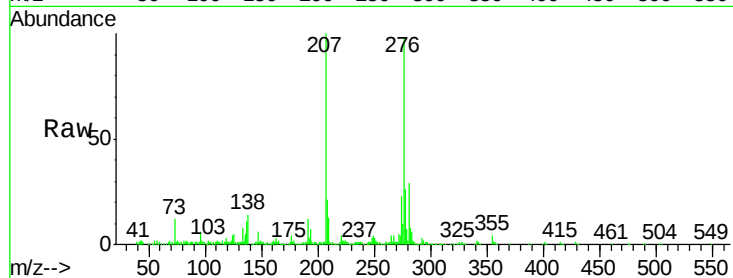
Tot Ion:278 Resp: 136423

Ion Ratio Lower Upper

278 100

139 0.0 5.8 8.8#

279 25.5 18.6 27.8



#91

Benzo(g,h,i)perylene

Concen: 5.26 ng/ul

RT: 26.69 min Scan# 4013

Delta R.T. -0.01 min

Lab File: BM012683.D

Acq: 03 Nov 2017 03:03

Tgt Ion:276 Resp: 377563

Ion Ratio Lower Upper

276 100

138 14.8 8.5 12.7#

277 24.7 18.6 28.0

