

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042418\
 Data File : BM014823.D
 Acq On : 24 Apr 2018 23:16
 Operator : SJ/JU
 Sample : J2431-16DL 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Apr 25 02:09:27 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Apr 25 02:07:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.52	152	549662	20.00	ng/ul	0.00
18) Naphthalene-d8	11.37	136	2346912	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.13	164	1202303	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.84	188	2278562	20.00	ng/ul	0.00
75) Chrysene-d12	21.92	240	1910269	20.00	ng/ul	0.00
83) Perylene-d12	24.41	264	1859841	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.66	96	5024	0.40	ng/uL	0.01
5) Phenol-d5	7.65	99	80624	1.90	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.82	67	64162	2.35	ng/ul	0.00
9) 2-Chlorophenol-d4	8.04	132	66096	1.86	ng/ul	0.00
13) 4-Methylphenol-d8	9.22	113	59808	1.76	ng/ul	0.00
19) Nitrobenzene-d5	9.70	128	30963	1.82	ng/ul	0.00
22) 2-Nitrophenol-d4	10.43	143	25626	1.52	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.97	165	55641	1.62	ng/ul	0.00
29) 4-Chloroaniline-d4	11.49	131	91274	2.69	ng/ul	0.00
43) Dimethylphthalate-d6	14.52	166	183713	1.96	ng/ul	0.00
46) Acenaphthylene-d8	14.83	160	193279	1.67	ng/ul	0.00
51) 4-Nitrophenol-d4	15.28	143	12693	0.73	ng/ul	0.00
57) Fluorene-d10	16.10	176	164118	2.01	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.20	200	7785	0.63	ng/ul	0.00
70) Anthracene-d10	17.94	188	210521	1.98	ng/ul	0.00
76) Pyrene-d10	20.17	212	208294	2.30	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.25	264	194878	2.13	ng/ul	0.00

Target Compounds

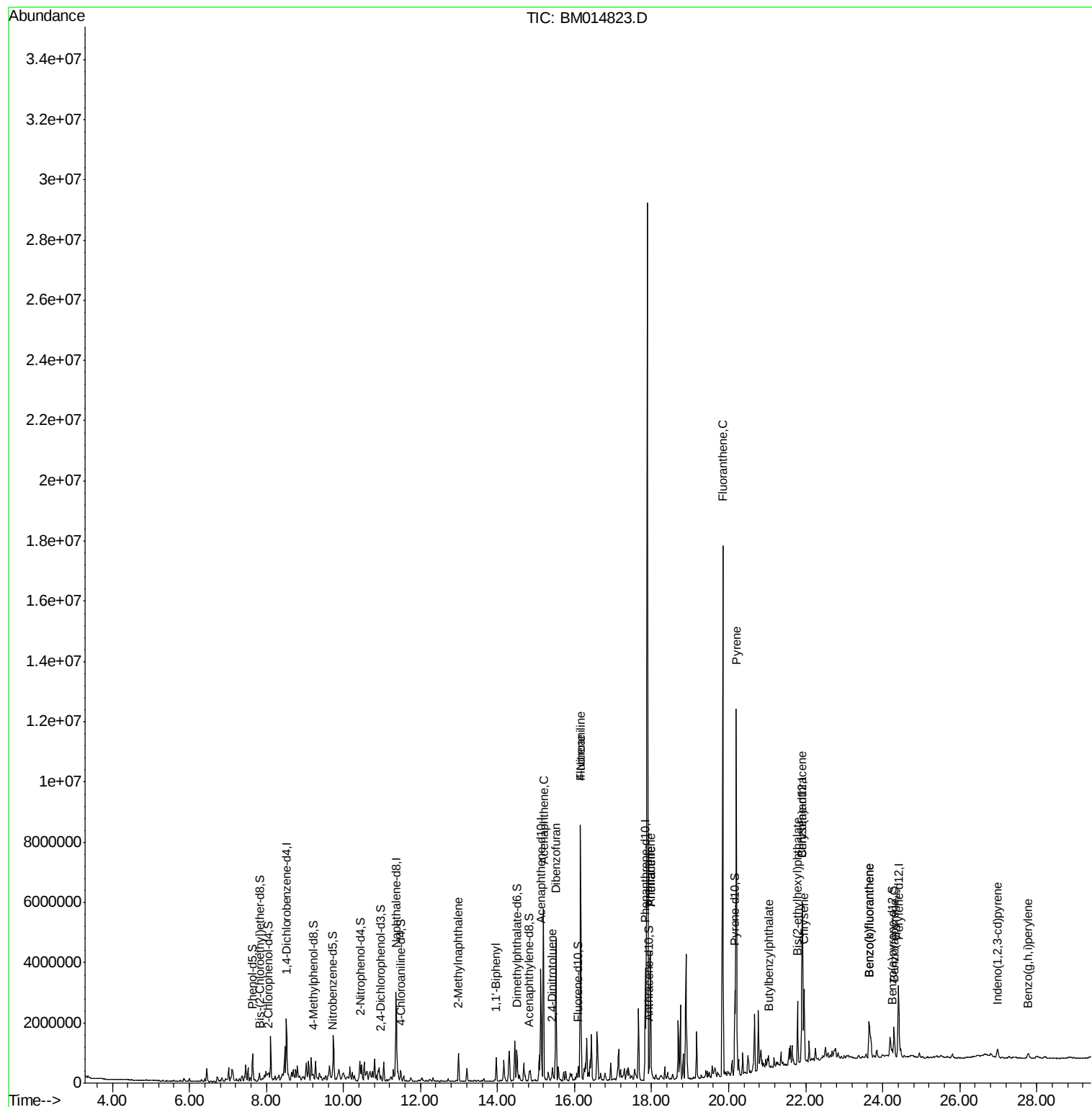
					Ovalue	
34) 2-Methylnaphthalene	12.99	142	443268	5.581	ng/ul	96
40) 1,1'-Biphenyl	13.97	154	409103	4.231	ng/ul#	98
49) Acenaphthene	15.19	153	2153339	26.986	ng/ul	99
53) Dibenzofuran	15.52	168	2762366	24.930	ng/ul	100
54) 2,4-Dinitrotoluene	15.43	165	28461	1.161	ng/ul#	73
58) Fluorene	16.16	166	3674130	41.065	ng/ul	99
60) 4-Nitroaniline	16.16	138	42802	2.241	ng/ul#	13
69) Phenanthrene	17.97	178	2599867	21.246	ng/ul	100
71) Anthracene	17.97	178	2599867	20.935	ng/ul	98
74) Fluoranthene	19.85	202	10456534	78.377	ng/ul#	83
77) Pyrene	20.20	202	7204814	64.552	ng/ul#	80
78) Butylbenzylphthalate	21.04	149	91243	2.004	ng/ul	93
80) Benzo(a)anthracene	21.91	228	2164417	19.376	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.79	149	663913	9.933	ng/ul#	95
82) Chrysene	21.96	228	1295876	12.392	ng/ul	96
85) Benzo(b)fluoranthene	23.65	252	1253660	11.435	ng/ul#	96
86) Benzo(k)fluoranthene	23.65	252	1253660	11.891	ng/ul#	94
88) Benzo(a)pyrene	24.30	252	780143	7.501	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	26.98	276	268068	2.131	ng/ul#	92
91) Benzo(g,h,i)perylene	27.79	276	199057	1.923	ng/ul#	91

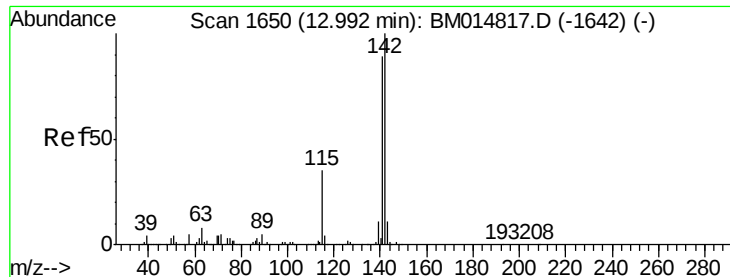
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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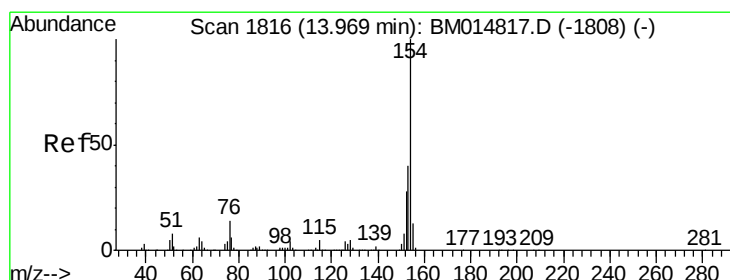
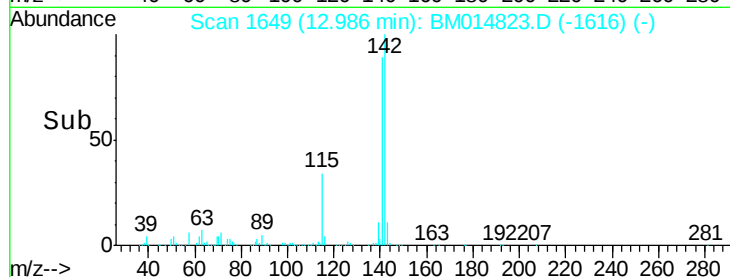
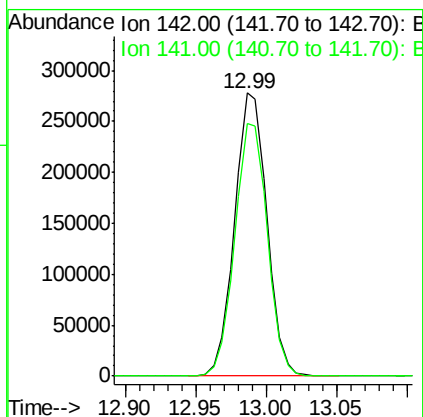
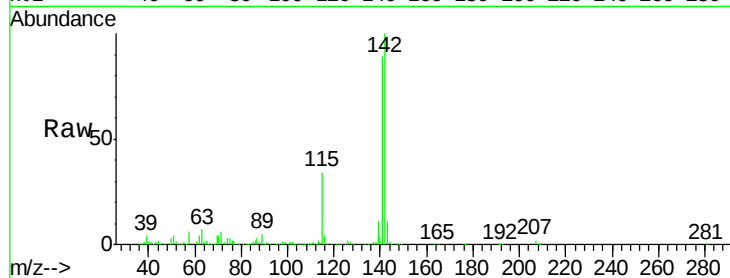




#34
 2-Methylnaphthalene
 Concen: 5.581 ng/ul
 RT: 12.99 min Scan# 1649
 Delta R.T. -0.01 min
 Lab File: BM014823.D
 Acq: 24 Apr 2018 23:16

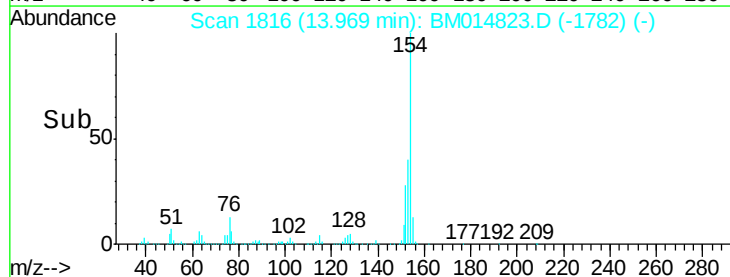
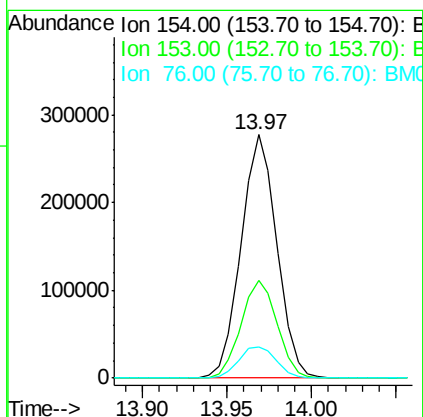
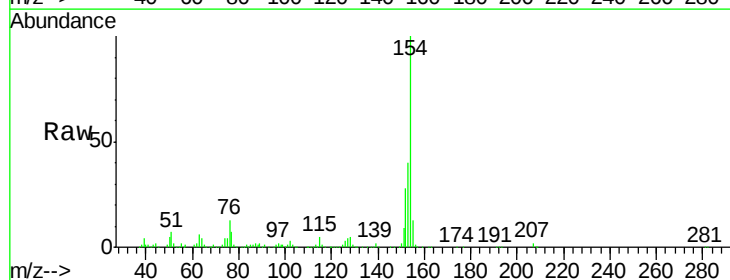
Instrument :
 BNA_M
 ClientSampleId :

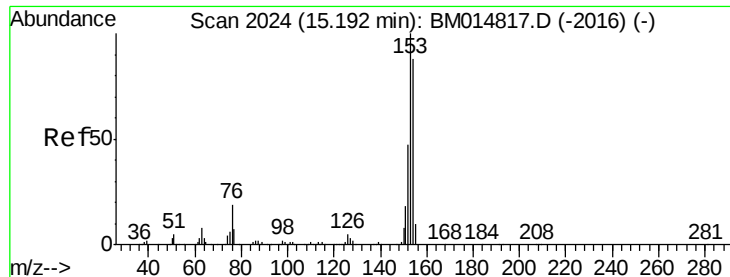
Tot Ion:142 Resp: 443268
 Ion Ratio Lower Upper
 142 100
 141 89.2 74.1 111.1



#40
 1,1'-Biphenyl
 Concen: 4.231 ng/ul
 RT: 13.97 min Scan# 1816
 Delta R.T. -0.00 min
 Lab File: BM014823.D
 Acq: 24 Apr 2018 23:16

Tgt Ion:154 Resp: 409103
 Ion Ratio Lower Upper
 154 100
 153 40.2 32.6 48.8
 76 13.0 8.5 12.7#





#49

Acenaphthene

Concen: 26.986 ng/ul

RT: 15.19 min Scan# 2024

Delta R.T. -0.00 min

Lab File: BM014823.D

Acq: 24 Apr 2018 23:16

Instrument :

BNA_M

ClientSampleId :

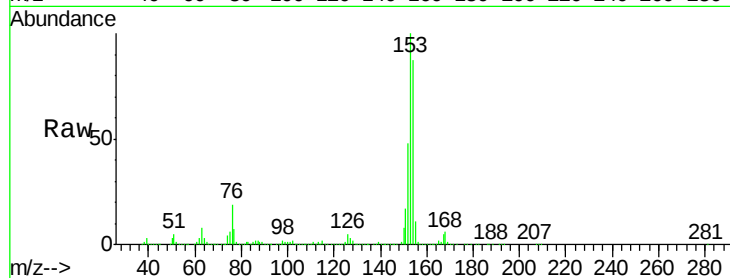
Tot Ion:153 Resp: 2153339

Ion Ratio Lower Upper

153 100

152 48.0 37.6 56.4

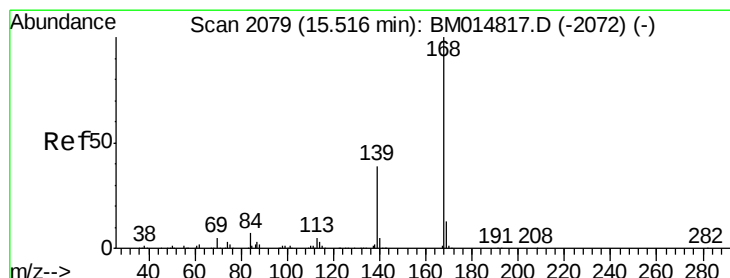
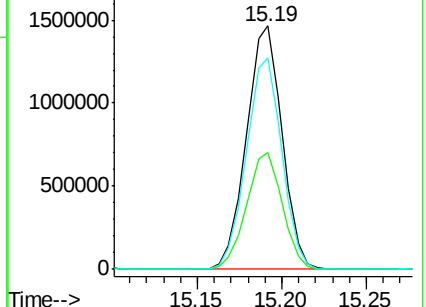
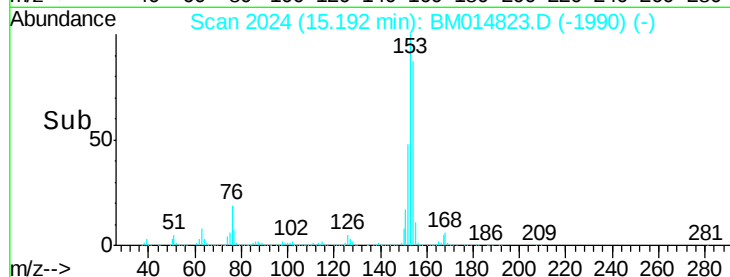
154 87.0 70.4 105.6



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: 24.930 ng/ul

RT: 15.52 min Scan# 2079

Delta R.T. -0.00 min

Lab File: BM014823.D

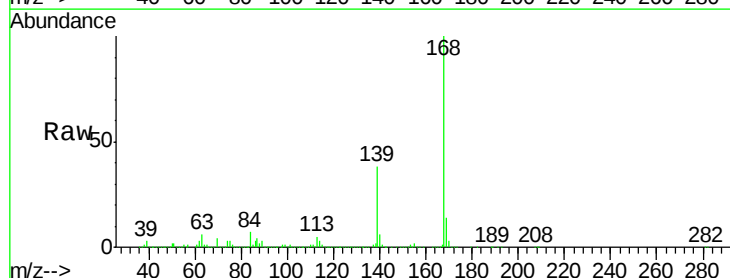
Acq: 24 Apr 2018 23:16

Tgt Ion:168 Resp: 2762366

Ion Ratio Lower Upper

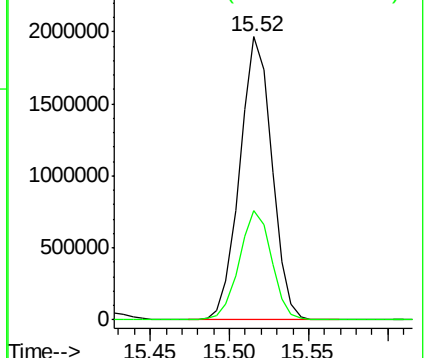
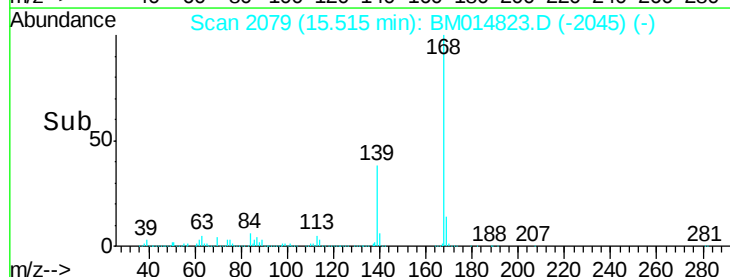
168 100

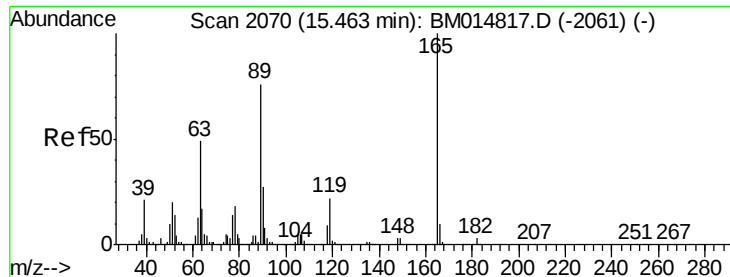
139 38.5 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#54

2,4-Dinitrotoluene

Concen: 1.161 ng/ul

RT: 15.43 min Scan# 2064

Delta R.T. -0.04 min

Lab File: BM014823.D

Acq: 24 Apr 2018 23:16

Instrument :

BNA_M

ClientSampleId :

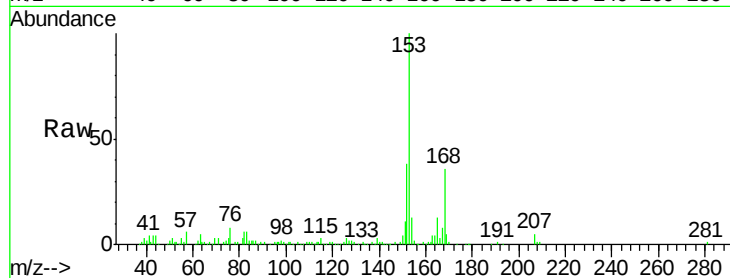
Tot Ion:165 Resp: 28461

Ion Ratio Lower Upper

165 100

63 36.8 45.8 68.8#

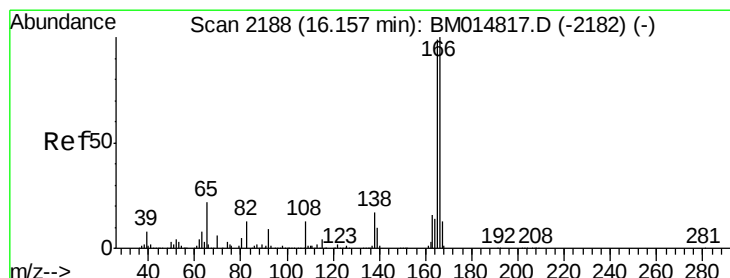
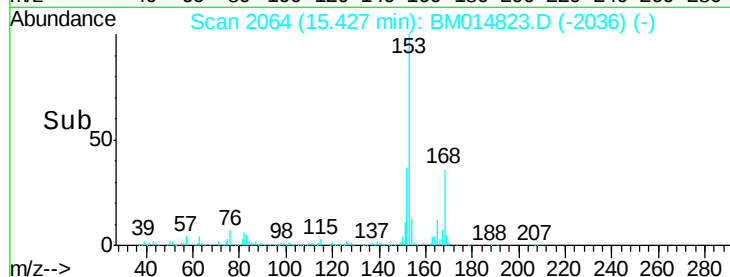
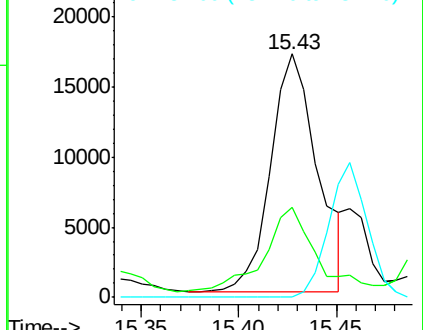
182 0.0 2.6 4.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 41.065 ng/ul

RT: 16.16 min Scan# 2188

Delta R.T. -0.00 min

Lab File: BM014823.D

Acq: 24 Apr 2018 23:16

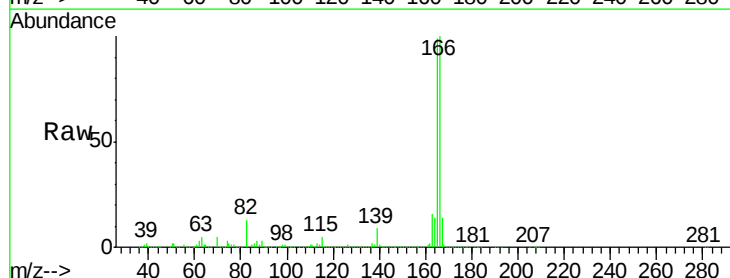
Tgt Ion:166 Resp: 3674130

Ion Ratio Lower Upper

166 100

165 98.9 77.9 116.9

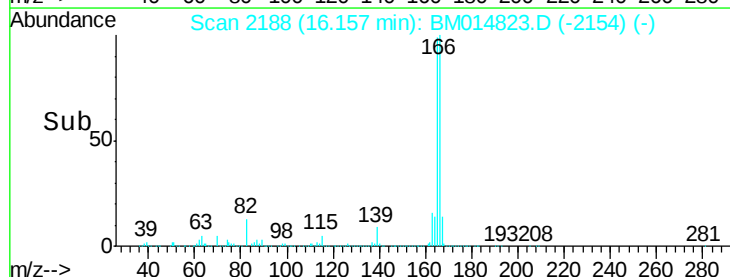
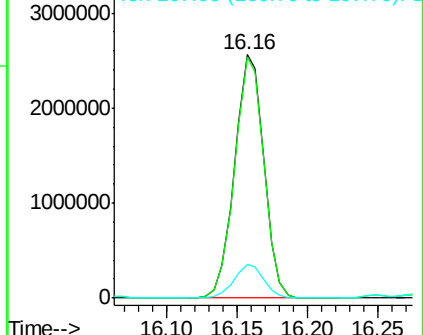
167 13.6 10.6 16.0

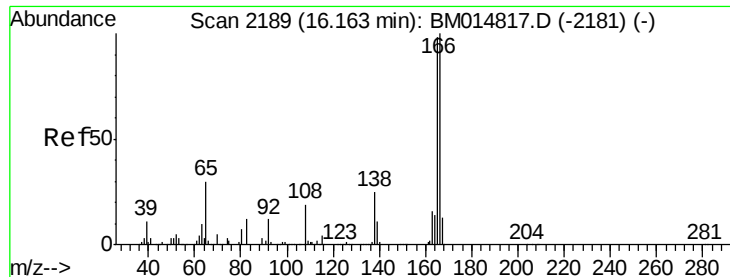


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

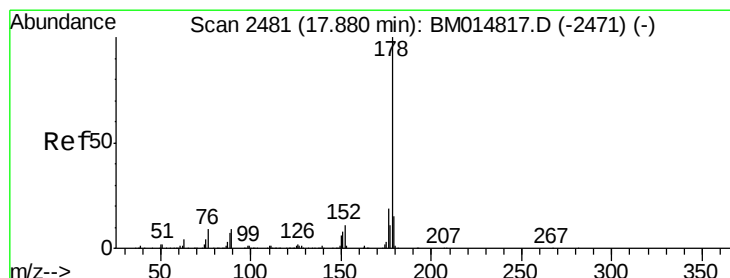
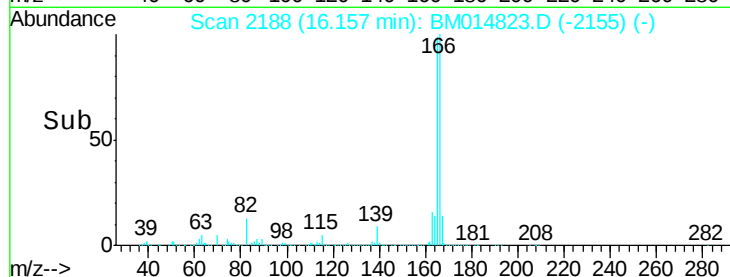
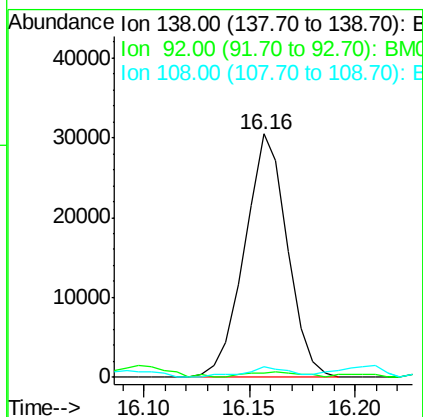
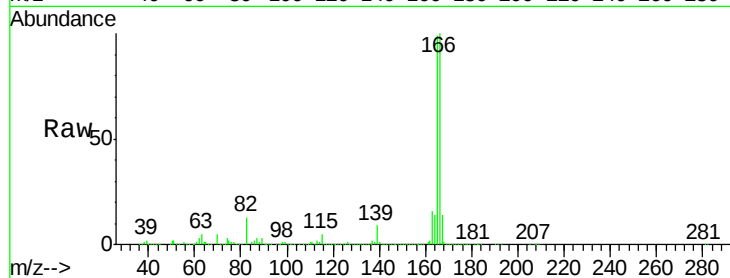




#60
4-Nitroaniline
Concen: 2.241 ng/ul
RT: 16.16 min Scan# 2188
Delta R.T. -0.01 min
Lab File: BM014823.D
Acq: 24 Apr 2018 23:16

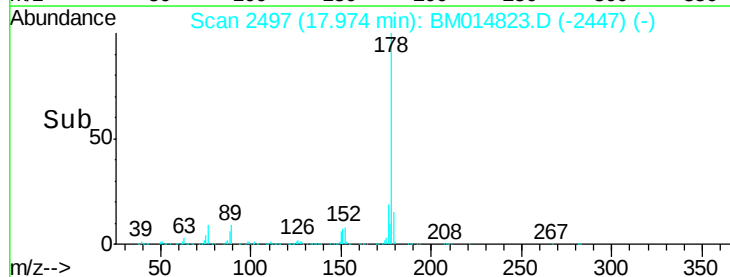
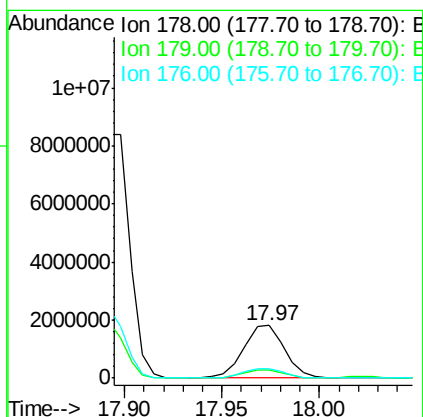
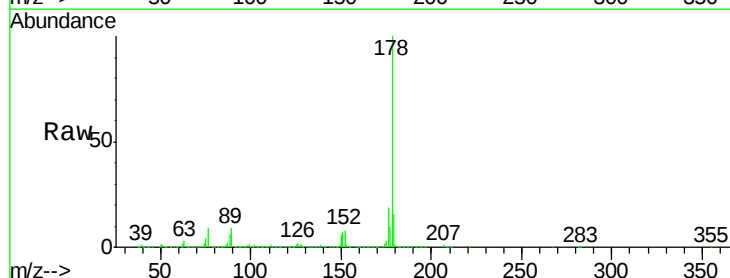
Instrument :
BNA_M
ClientSampleId :

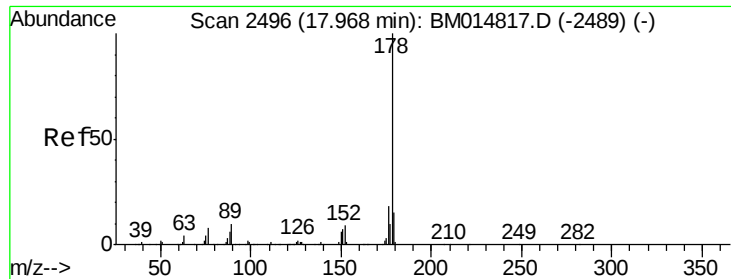
Tot Ion:138 Resp: 42802
Ion Ratio Lower Upper
138 100
92 2.0 40.0 60.0#
108 4.2 80.0 120.0#



#69
Phenanthrene
Concen: 21.246 ng/ul
RT: 17.97 min Scan# 2497
Delta R.T. 0.09 min
Lab File: BM014823.D
Acq: 24 Apr 2018 23:16

Tgt Ion:178 Resp: 2599867
Ion Ratio Lower Upper
178 100
179 15.5 12.6 19.0
176 18.7 14.9 22.3





#71

Anthracene

Concen: 20.935 ng/ul

RT: 17.97 min Scan# 2497

Delta R.T. 0.01 min

Lab File: BM014823.D

Acq: 24 Apr 2018 23:16

Instrument :

BNA_M

ClientSampleId :

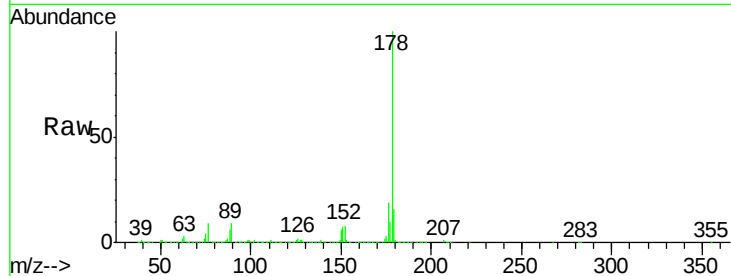
Tot Ion:178 Resp: 2599867

Ion Ratio Lower Upper

178 100

179 15.5 11.7 17.5

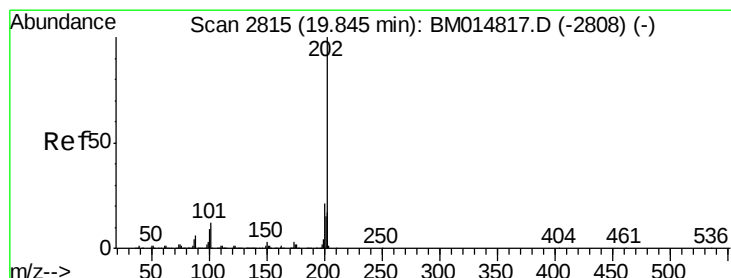
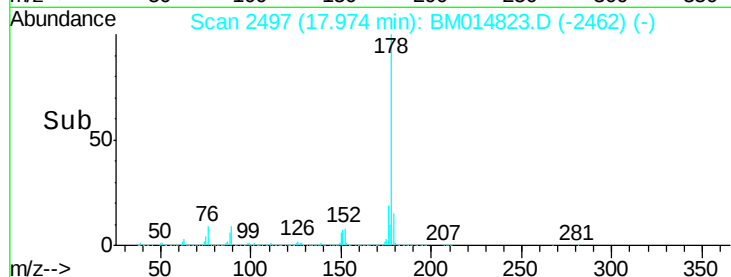
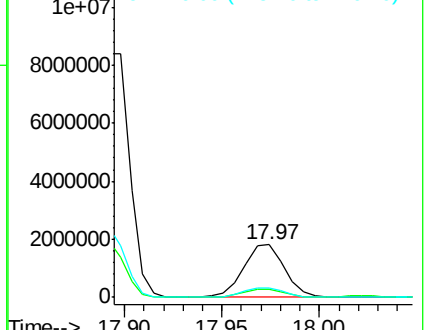
176 18.7 14.6 21.8



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



#74

Fluoranthene

Concen: 78.377 ng/ul

RT: 19.85 min Scan# 2816

Delta R.T. 0.01 min

Lab File: BM014823.D

Acq: 24 Apr 2018 23:16

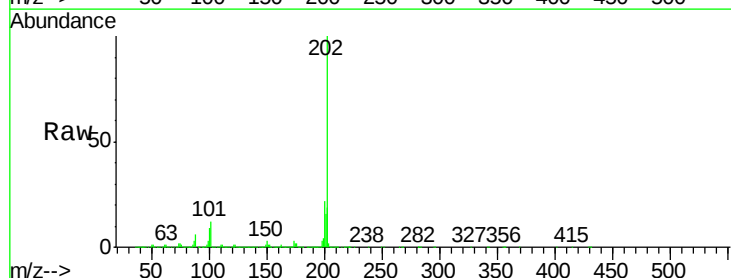
Tgt Ion:202 Resp:10456534

Ion Ratio Lower Upper

202 100

101 12.0 4.6 7.0#

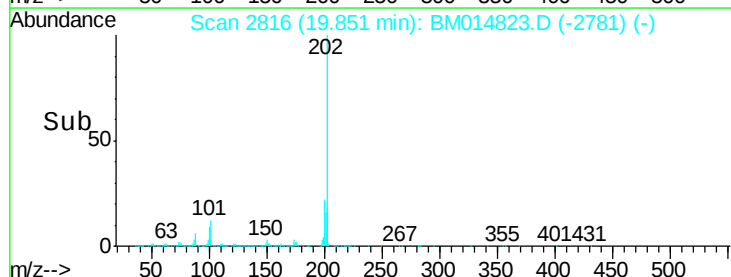
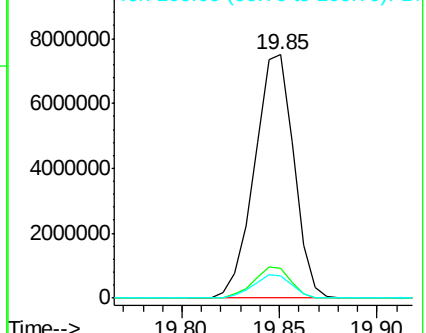
100 9.3 3.4 5.2#

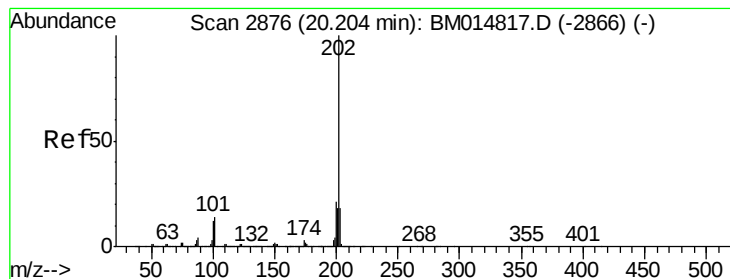


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 64.552 ng/ul

RT: 20.20 min Scan# 2876

Delta R.T. -0.00 min

Lab File: BM014823.D

Acq: 24 Apr 2018 23:16

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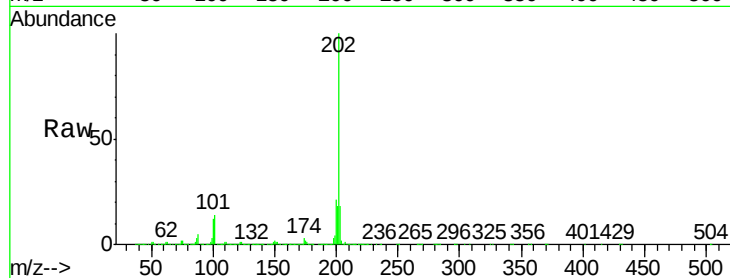
Tot Ion:202 Resp: 7204814

Ion Ratio Lower Upper

202 100

101 14.3 5.1 7.7#

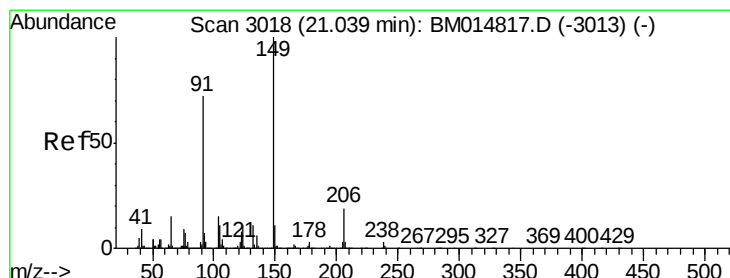
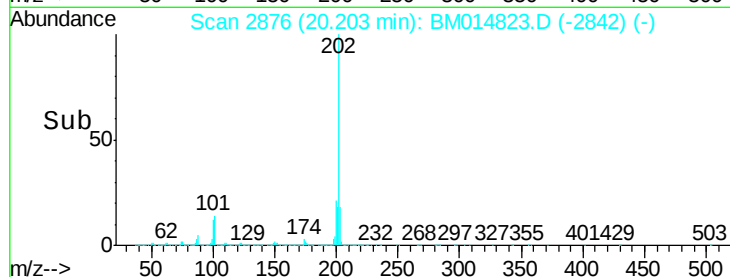
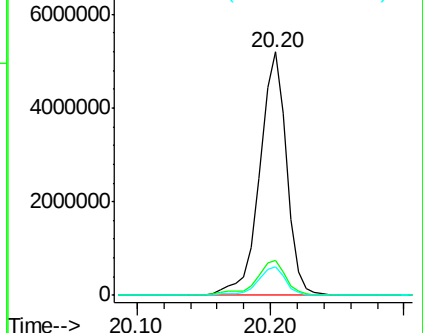
100 11.6 4.9 7.3#



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



#78

Butylbenzylphthalate

Concen: 2.004 ng/ul

RT: 21.04 min Scan# 3018

Delta R.T. -0.00 min

Lab File: BM014823.D

Acq: 24 Apr 2018 23:16

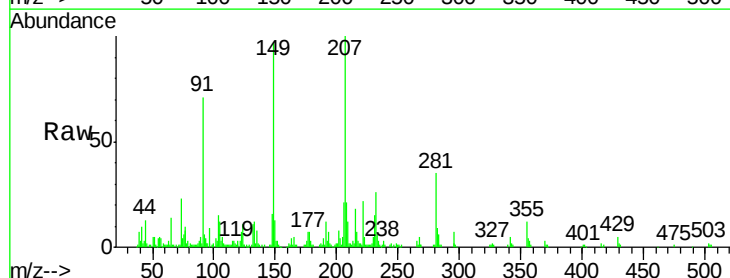
Tgt Ion:149 Resp: 91243

Ion Ratio Lower Upper

149 100

91 73.4 62.7 94.1

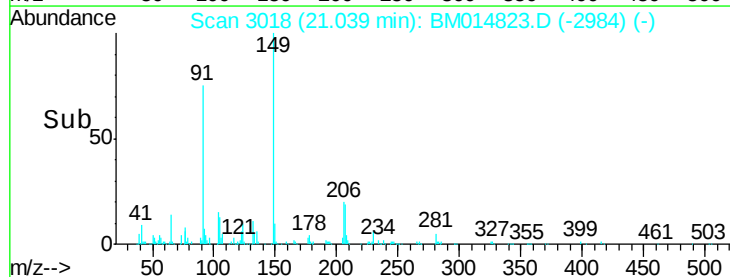
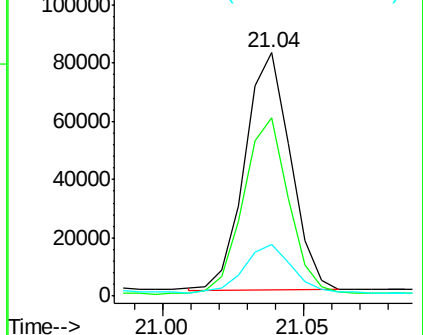
206 21.4 20.8 31.2

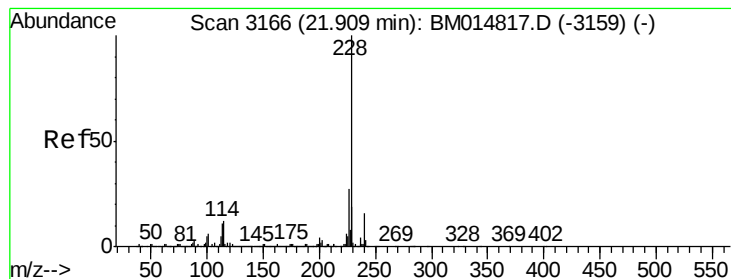


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 19.376 ng/ul

RT: 21.91 min Scan# 3166

Delta R.T. -0.00 min

Lab File: BM014823.D

Acq: 24 Apr 2018 23:16

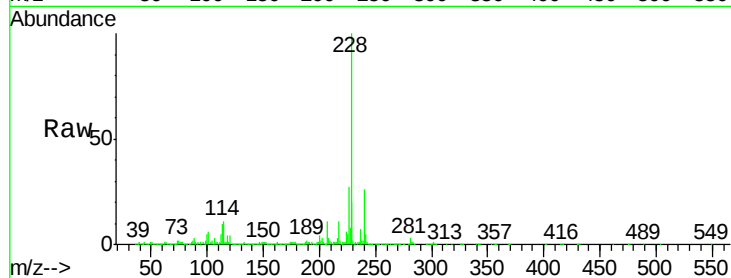
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 2164417

Ion	Ratio	Lower	Upper
228	100		
229	20.1	15.4	23.0
226	27.0	21.4	32.0

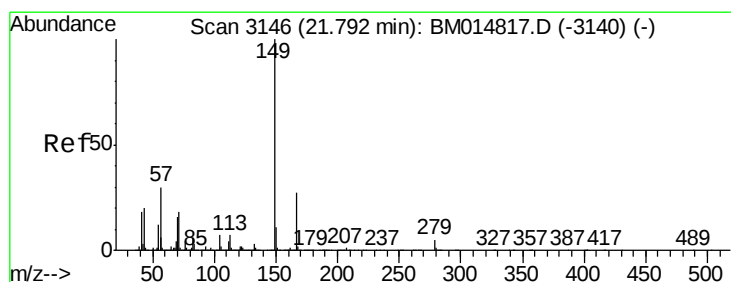
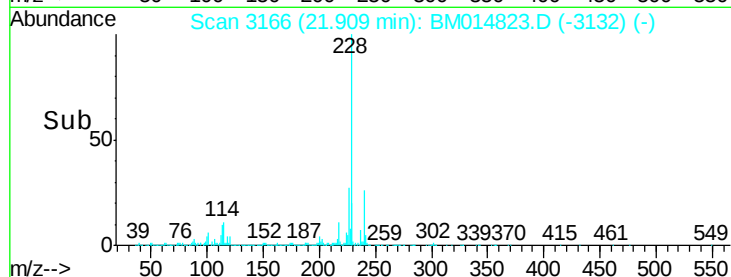
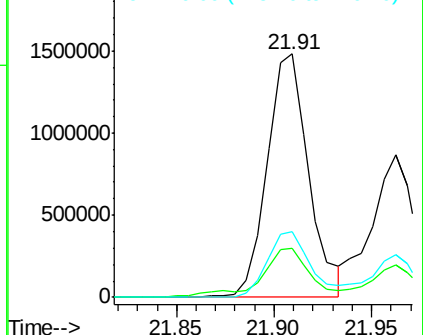


Abundance

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



#81

Bis(2-ethylhexyl)phthalate

Concen: 9.933 ng/ul

RT: 21.79 min Scan# 3145

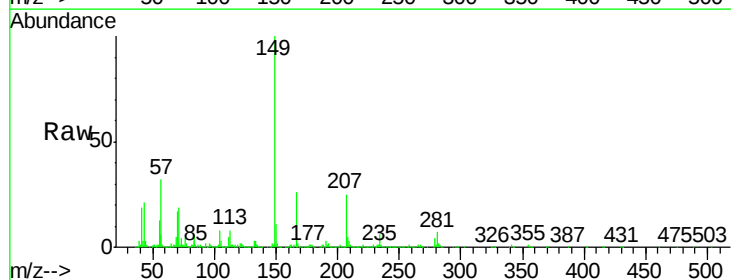
Delta R.T. -0.01 min

Lab File: BM014823.D

Acq: 24 Apr 2018 23:16

Tgt Ion:149 Resp: 663913

Ion	Ratio	Lower	Upper
149	100		
167	26.1	22.8	34.2
279	4.0	4.9	7.3#

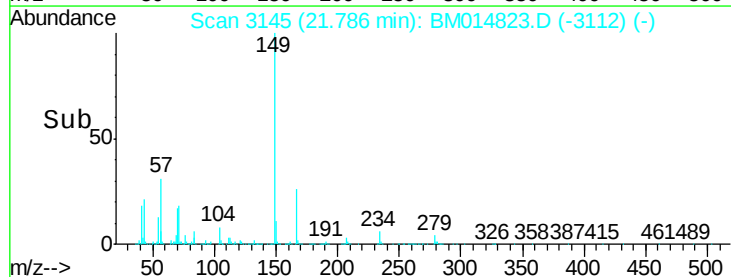
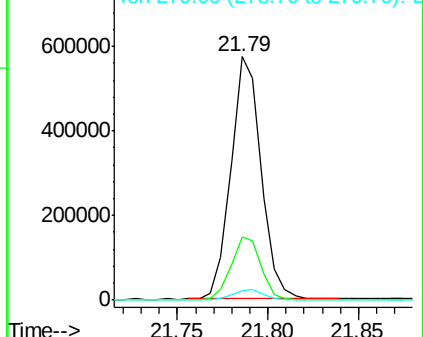


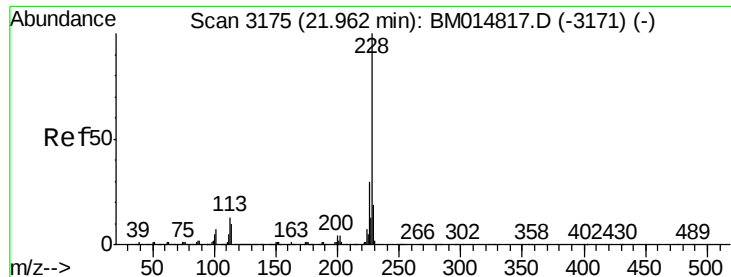
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 12.392 ng/ul

RT: 21.96 min Scan# 3175

Delta R.T. -0.00 min

Lab File: BM014823.D

Acq: 24 Apr 2018 23:16

Instrument :

BNA_M

ClientSampleId :

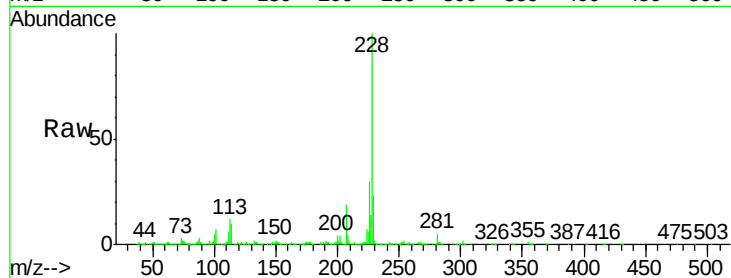
Tot Ion:228 Resp: 1295876

Ion Ratio Lower Upper

228 100

226 29.8 23.4 35.2

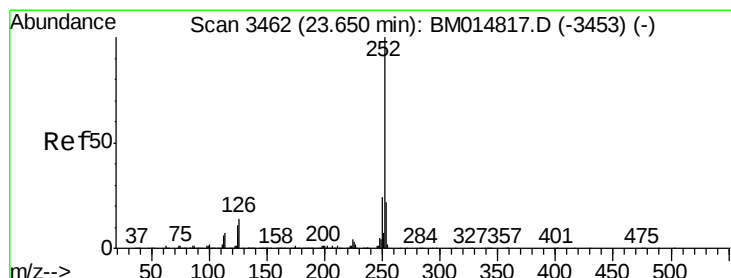
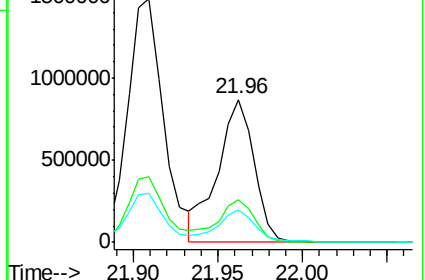
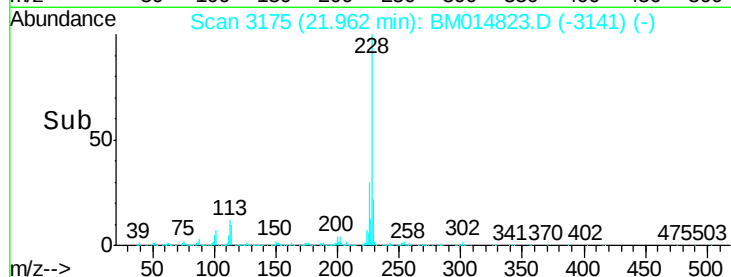
229 22.7 15.5 23.3



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



#85

Benzo(b)fluoranthene

Concen: 11.435 ng/ul

RT: 23.65 min Scan# 3462

Delta R.T. -0.00 min

Lab File: BM014823.D

Acq: 24 Apr 2018 23:16

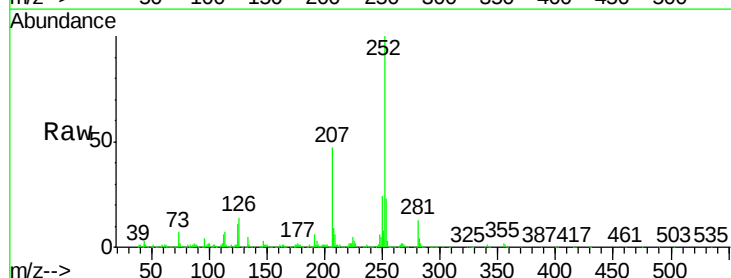
Tgt Ion:252 Resp: 1253660

Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

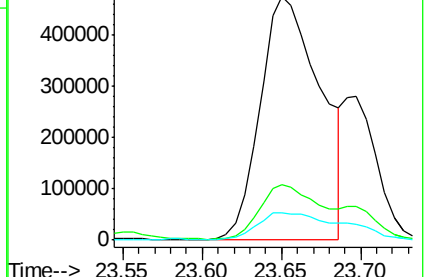
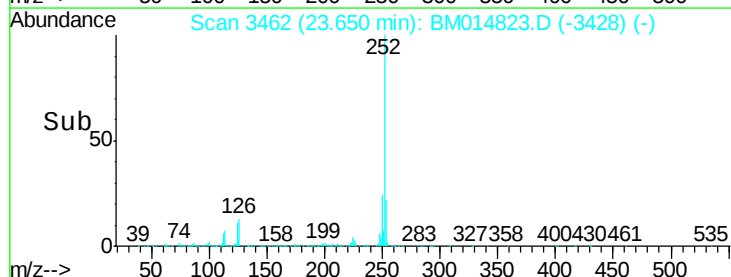
125 11.1 3.6 5.4#

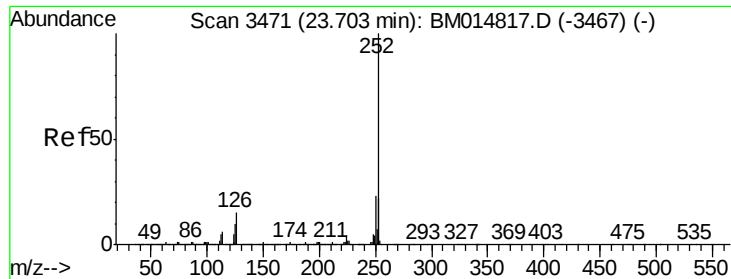


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

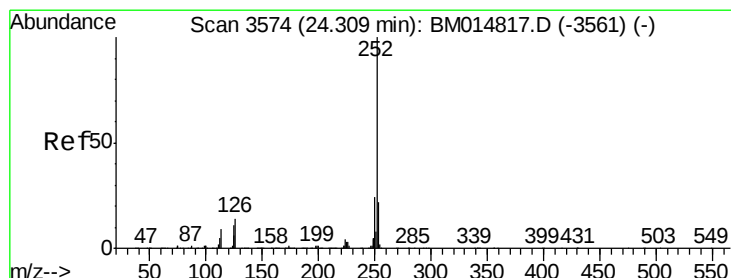
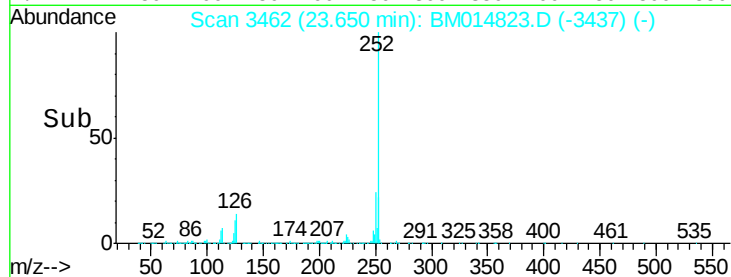
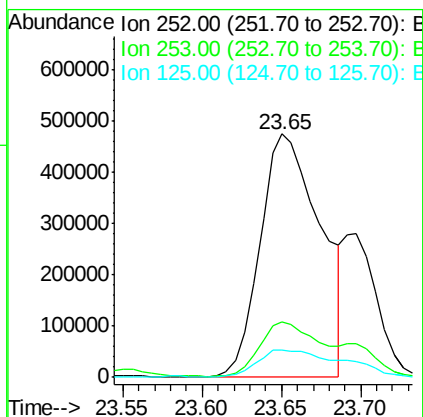
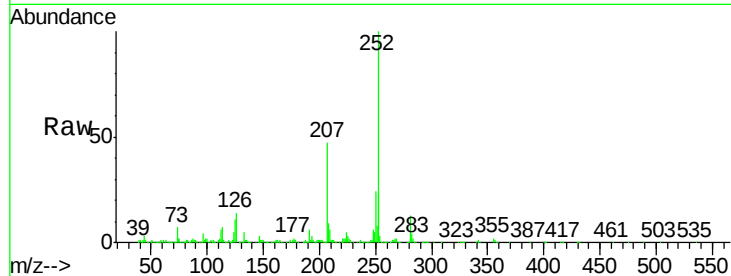




#86
Benzo(k)fluoranthene
Concen: 11.891 ng/ul
RT: 23.65 min Scan# 3462
Delta R.T. -0.05 min
Lab File: BM014823.D
Acq: 24 Apr 2018 23:16

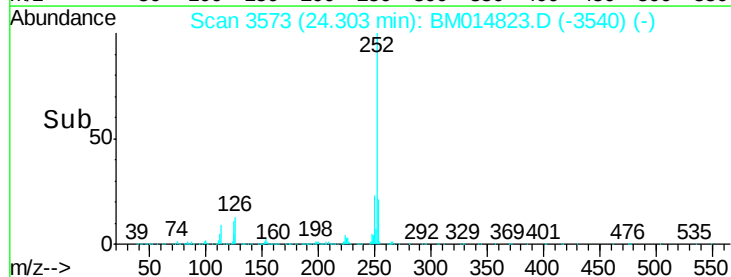
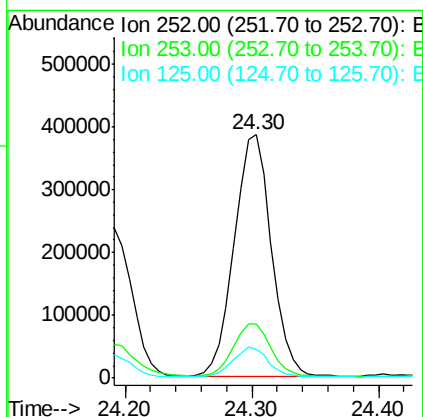
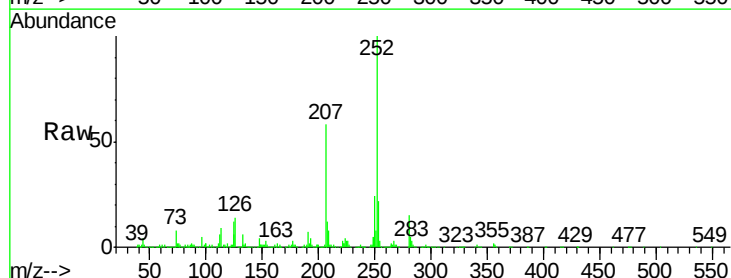
Instrument :
BNA_M
ClientSampleId :

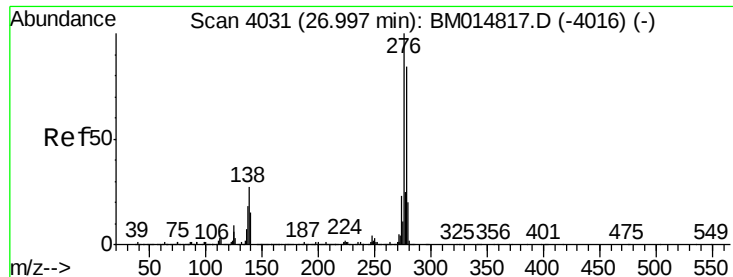
Tot Ion:252 Resp: 1253660
Ion Ratio Lower Upper
252 100
253 22.7 17.1 25.7
125 11.1 3.4 5.2#



#88
Benzo(a)pyrene
Concen: 7.501 ng/ul
RT: 24.30 min Scan# 3573
Delta R.T. -0.01 min
Lab File: BM014823.D
Acq: 24 Apr 2018 23:16

Tgt Ion:252 Resp: 780143
Ion Ratio Lower Upper
252 100
253 22.0 18.2 27.2
125 11.8 4.0 6.0#



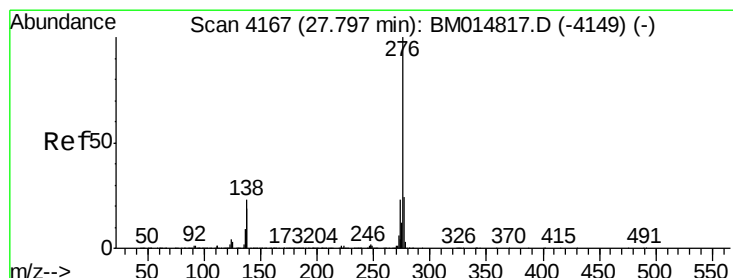
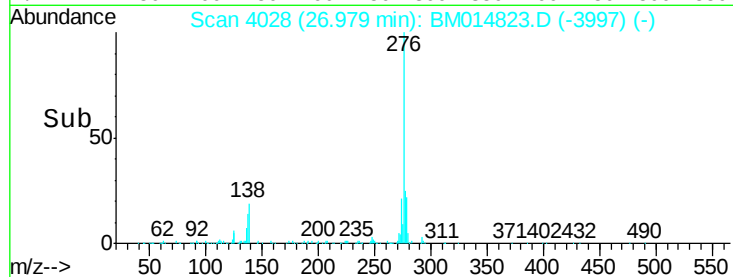
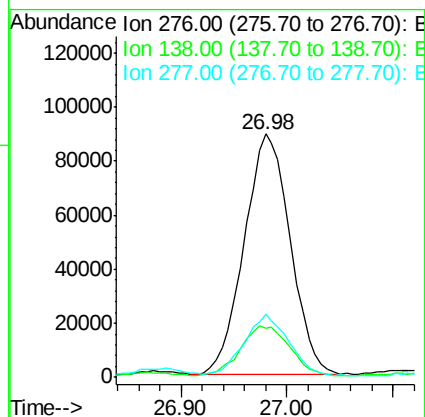
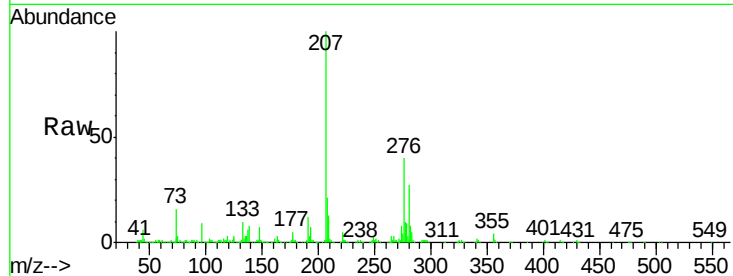


#89

Indeno(1,2,3-cd)pyrene
Concen: 2.131 ng/ul
RT: 26.98 min Scan# 4028
Delta R.T. -0.02 min
Lab File: BM014823.D
Acq: 24 Apr 2018 23:16

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.3	9.3	13.9#
277	25.7	19.9	29.9



#91

Benzo(g,h,i)perylene
Concen: 1.923 ng/ul
RT: 27.79 min Scan# 4165
Delta R.T. -0.01 min
Lab File: BM014823.D
Acq: 24 Apr 2018 23:16

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.8	8.5	12.7#
277	24.4	18.6	28.0

