

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042518\
 Data File : BM014843.D
 Acq On : 25 Apr 2018 20:46
 Operator : SJ/JU
 Sample : J2449-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Apr 26 02:02:50 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 26 01:59:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.50	152	343317	20.00	ng/ul	0.00
18) Naphthalene-d8	11.35	136	1422896	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.11	164	731250	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.82	188	1493160	20.00	ng/ul	0.00
75) Chrysene-d12	21.91	240	1615847	20.00	ng/ul	0.00
83) Perylene-d12	24.39	264	1790112	20.00	ng/ul	0.00

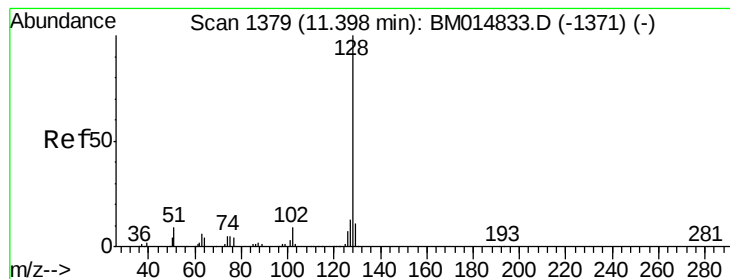
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.65	96	44649	5.68	ng/uL	0.00
5) Phenol-d5	7.62	99	777664	29.30	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.80	67	547065	32.14	ng/ul	0.00
9) 2-Chlorophenol-d4	8.02	132	690430	31.10	ng/ul	0.00
13) 4-Methylphenol-d8	9.20	113	557301	26.33	ng/ul	0.00
19) Nitrobenzene-d5	9.69	128	317731	30.88	ng/ul	0.00
22) 2-Nitrophenol-d4	10.42	143	338580	33.05	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.95	165	606308	29.13	ng/ul	0.00
29) 4-Chloroaniline-d4	11.47	131	687360	33.46	ng/ul	0.00
43) Dimethylphthalate-d6	14.50	166	1703038	29.84	ng/ul	0.00
46) Acenaphthylene-d8	14.81	160	2079213	29.50	ng/ul	0.00
51) 4-Nitrophenol-d4	15.26	143	211643	19.98	ng/ul	0.00
57) Fluorene-d10	16.09	176	1466129	29.53	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.19	200	183283	22.68	ng/ul	0.00
70) Anthracene-d10	17.92	188	2153181	30.94	ng/ul	0.00
76) Pyrene-d10	20.16	212	2319458	30.34	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.24	264	2909747	33.08	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	11.40	128	98747	1.424	ng/ul	99
34) 2-Methylnaphthalene	12.97	142	61894	1.285	ng/ul	95
44) Dimethylphthalate	14.54	163	431152	7.813	ng/ul	99
47) Acenaphthylene	14.84	152	229121	3.355	ng/ul	100
49) Acenaphthene	15.17	153	49522	1.020	ng/ul	96
58) Fluorene	16.14	166	69164	1.271	ng/ul	100
69) Phenanthrene	17.86	178	1789549	22.317	ng/ul	99
71) Anthracene	17.95	178	383618	4.714	ng/ul	98
72) Carbazole	18.21	167	208637	3.005	ng/ul	97
74) Fluoranthene	19.83	202	4297778	49.158	ng/ul#	84
77) Pyrene	20.19	202	3543535	37.533	ng/ul#	79
80) Benzo(a)anthracene	21.89	228	2110354	22.334	ng/ul	98
82) Chrysene	21.95	228	2063370	23.326	ng/ul	97
85) Benzo(b)fluoranthene	23.64	252	3050551	28.908	ng/ul#	95
86) Benzo(k)fluoranthene	23.64	252	3050551	30.062	ng/ul#	94
88) Benzo(a)pyrene	24.29	252	2124878	21.228	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	26.96	276	1508069	12.454	ng/ul#	92
90) Dibenzo(a,h)anthracene	26.97	278	399476	3.918	ng/ul#	90
91) Benzo(g,h,i)perylene	27.76	276	1188181	11.927	ng/ul#	88

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



#28

Naphthalene

Concen: 1.424 ng/ul

RT: 11.40 min Scan# 1379

Delta R.T. -0.00 min

Lab File: BM014843.D

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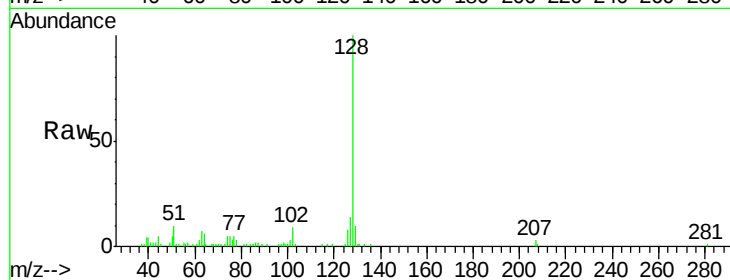
Instrument :

BNA_M

ClientSampleId :

Tot Ion:128 Resp: 98747

Ion	Ratio	Lower	Upper
128	100		
129	10.3	8.8	13.2
127	13.5	10.6	16.0

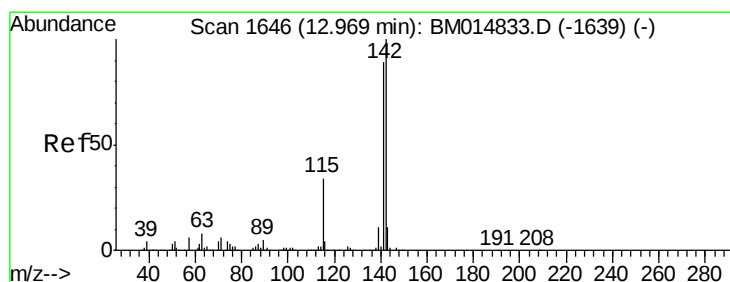
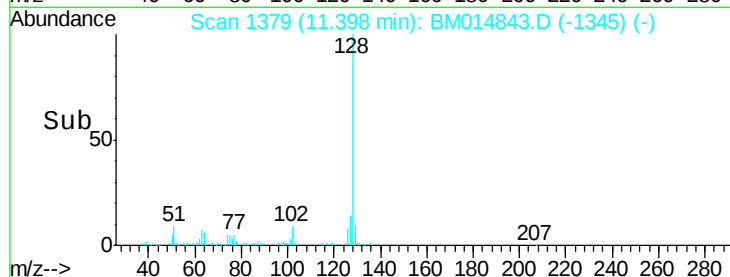
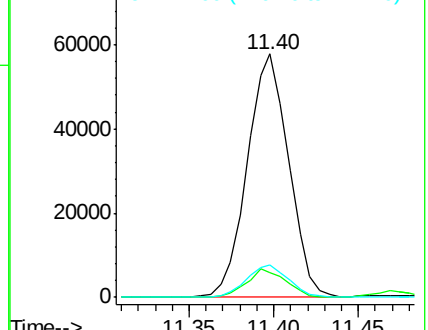


Abundance

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



#34

2-Methylnaphthalene

Concen: 1.285 ng/ul

RT: 12.97 min Scan# 1646

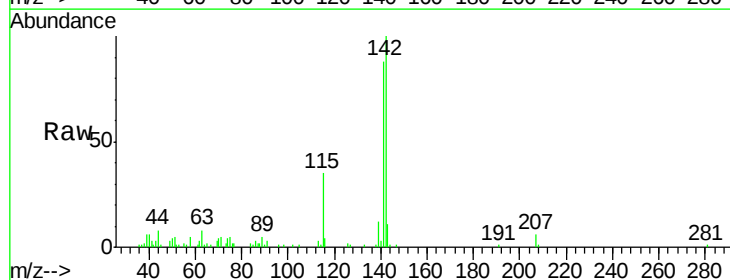
Delta R.T. -0.00 min

Lab File: BM014843.D

Acq: 25 Apr 2018 20:46

Tgt Ion:142 Resp: 61894

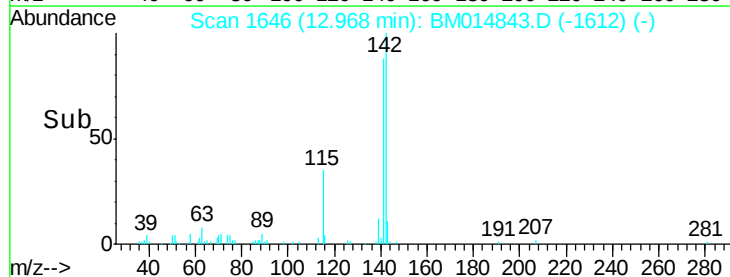
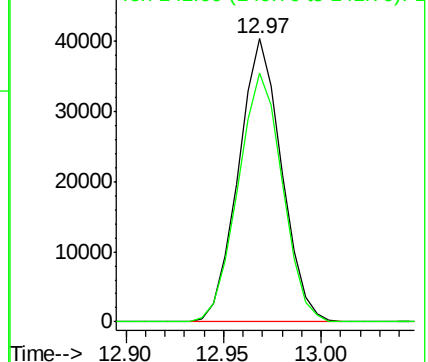
Ion	Ratio	Lower	Upper
142	100		
141	87.8	74.1	111.1

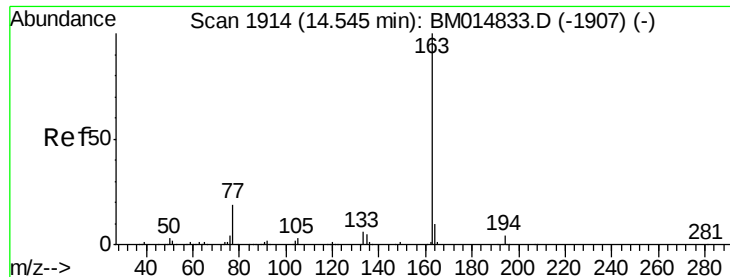


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

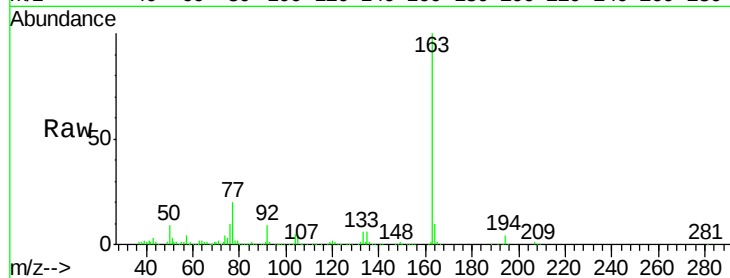




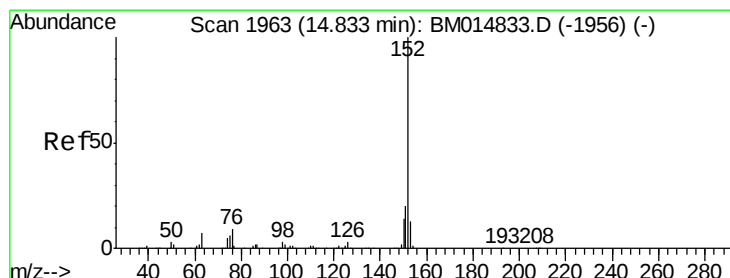
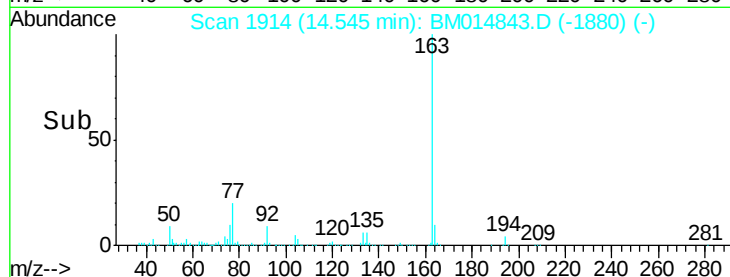
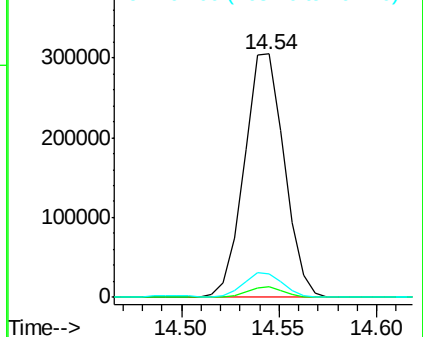
#44
Dimethylphthalate
Concen: 7.813 ng/ul
RT: 14.54 min Scan# 1914
Delta R.T. -0.00 min
Lab File: BM014843.D
Acq: 25 Apr 2018 20:46

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.5	5.3
164	9.7	8.2	12.4

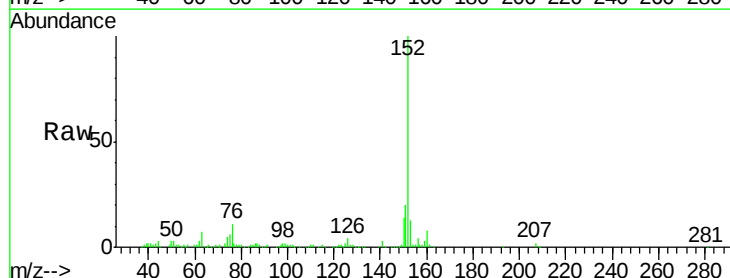


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

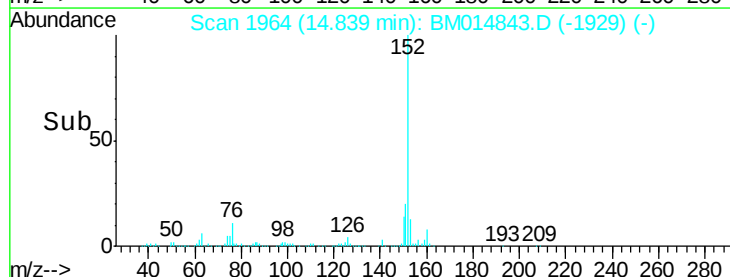
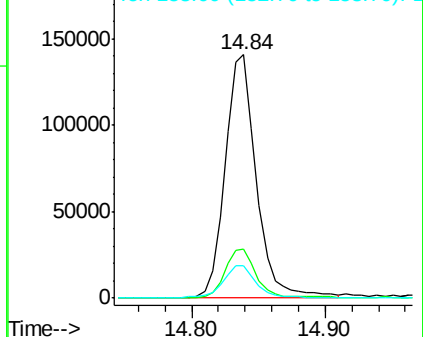


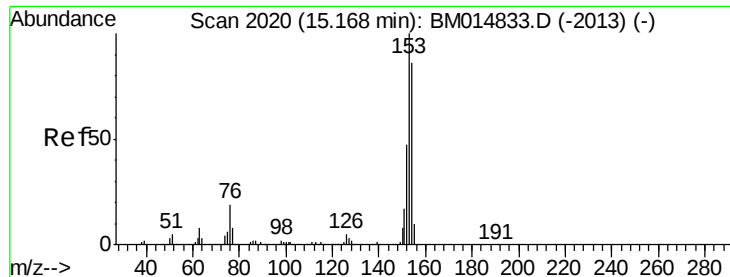
#47
Acenaphthylene
Concen: 3.355 ng/ul
RT: 14.84 min Scan# 1964
Delta R.T. 0.01 min
Lab File: BM014843.D
Acq: 25 Apr 2018 20:46

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.3	24.5
153	13.1	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: 1.020 ng/ul

RT: 15.17 min Scan# 2020

Delta R.T. -0.00 min

Lab File: BM014843.D

Acq: 25 Apr 2018 20:46

Instrument :

BNA_M

ClientSampleId :

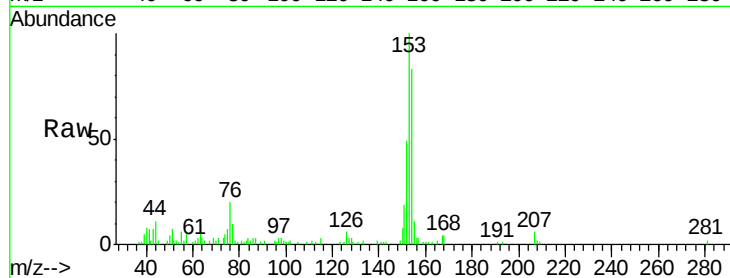
Tot Ion:153 Resp: 49522

Ion Ratio Lower Upper

153 100

152 48.6 37.6 56.4

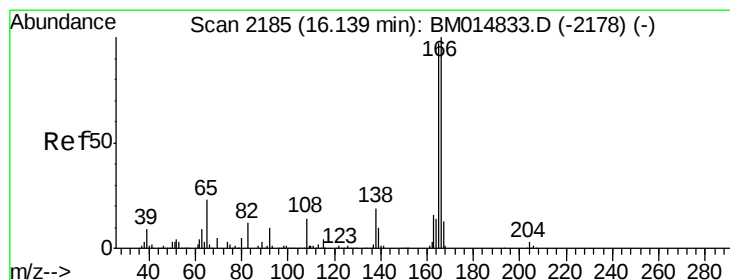
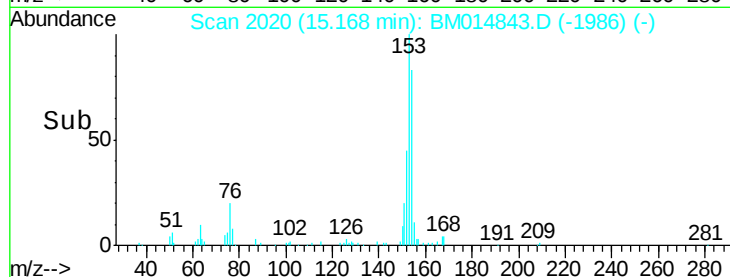
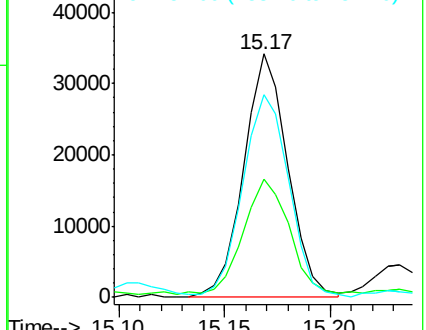
154 83.5 70.4 105.6



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



#58

Fluorene

Concen: 1.271 ng/ul

RT: 16.14 min Scan# 2185

Delta R.T. -0.00 min

Lab File: BM014843.D

Acq: 25 Apr 2018 20:46

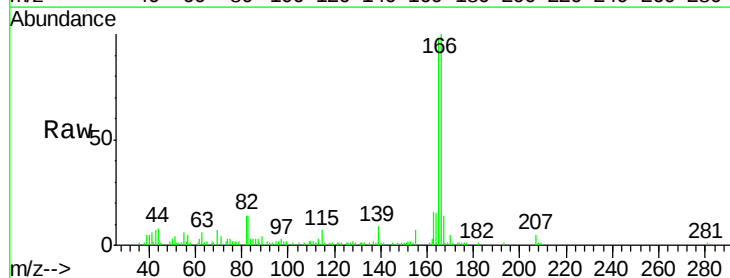
Tgt Ion:166 Resp: 69164

Ion Ratio Lower Upper

166 100

165 97.5 77.9 116.9

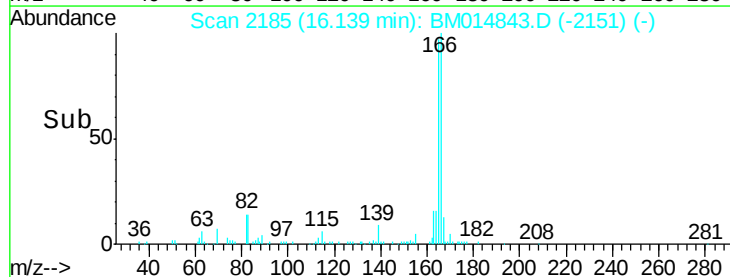
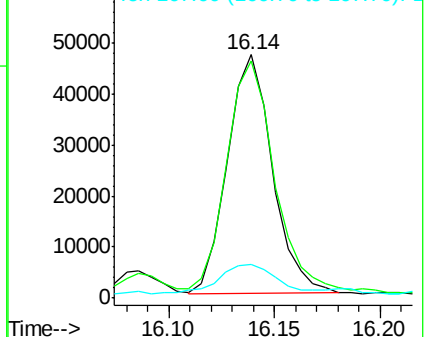
167 14.0 10.6 16.0

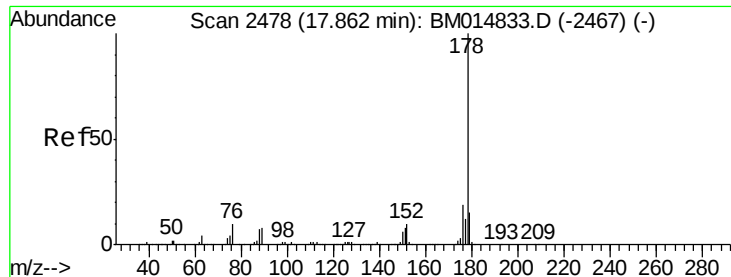


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 22.317 ng/ul

RT: 17.86 min Scan# 2478

Delta R.T. -0.00 min

Lab File: BM014843.D

Acq: 25 Apr 2018 20:46

Instrument :

BNA_M

ClientSampleId :

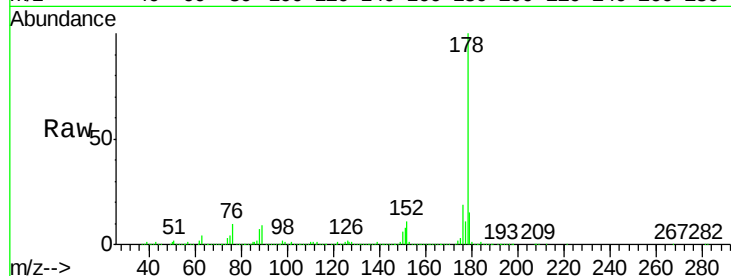
Tot Ion:178 Resp: 1789549

Ion Ratio Lower Upper

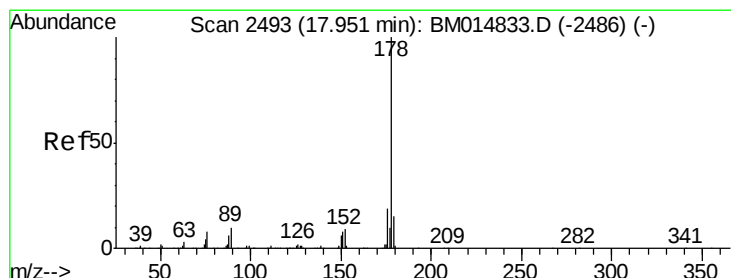
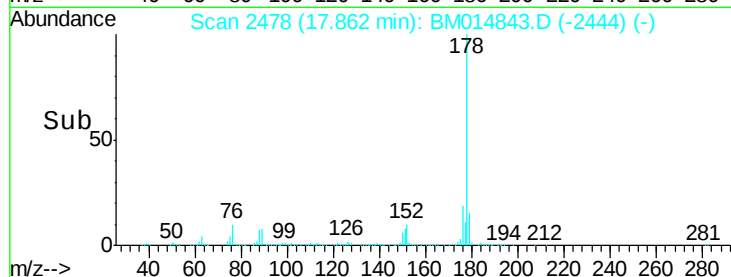
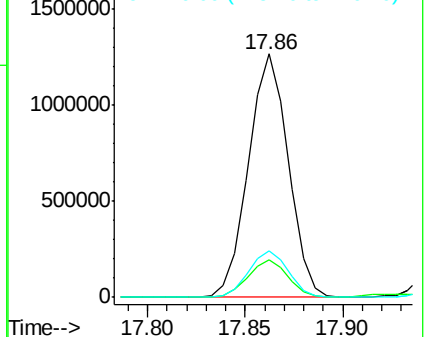
178 100

179 15.2 12.6 19.0

176 19.2 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: 4.714 ng/ul

RT: 17.95 min Scan# 2493

Delta R.T. -0.00 min

Lab File: BM014843.D

Acq: 25 Apr 2018 20:46

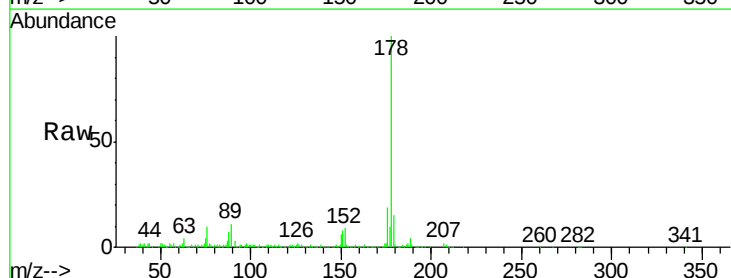
Tgt Ion:178 Resp: 383618

Ion Ratio Lower Upper

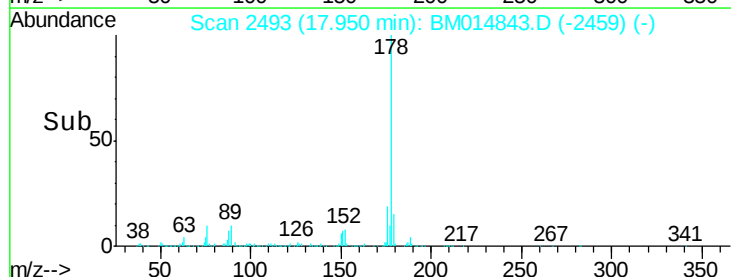
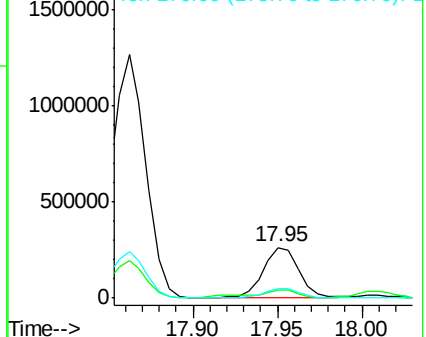
178 100

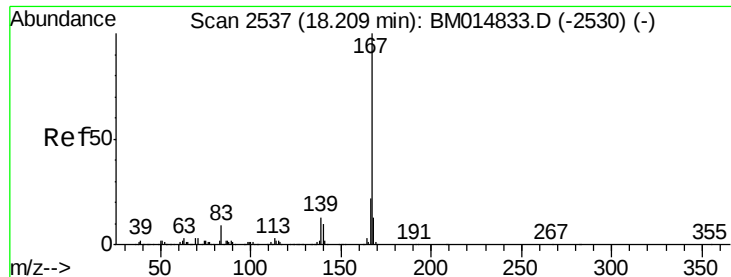
179 15.4 11.7 17.5

176 18.9 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

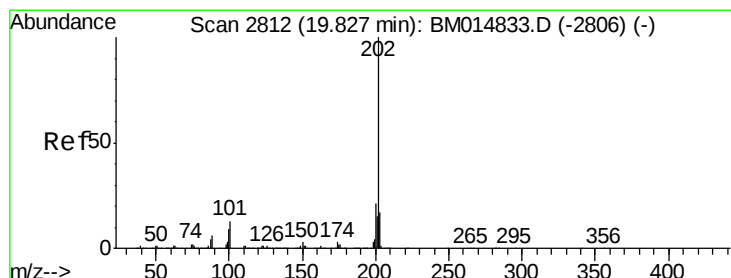
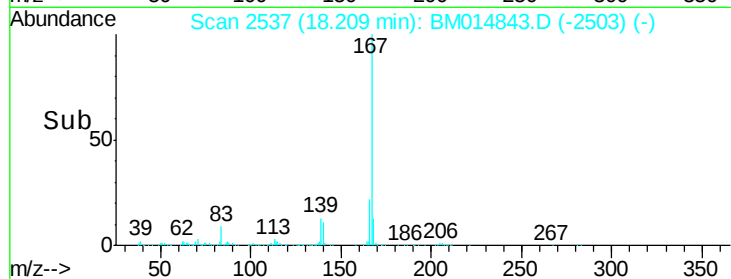
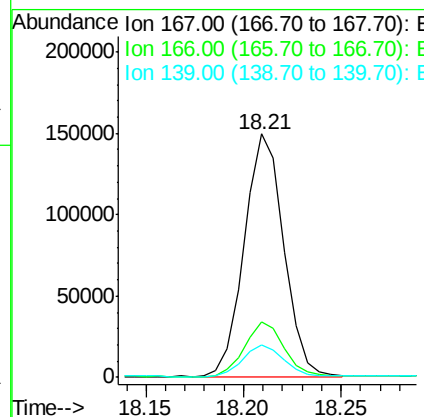
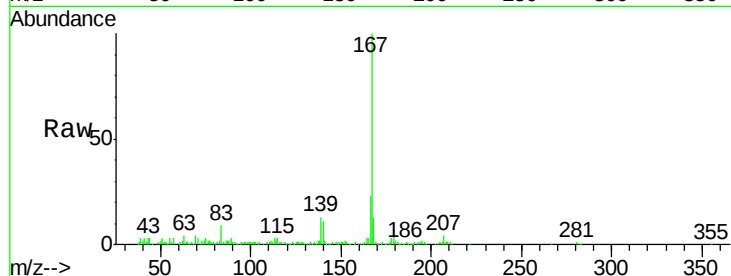




#72
 Carbazole
 Concen: 3.005 ng/ul
 RT: 18.21 min Scan# 2537
 Delta R.T. -0.00 min
 Lab File: BM014843.D
 Acq: 25 Apr 2018 20:46

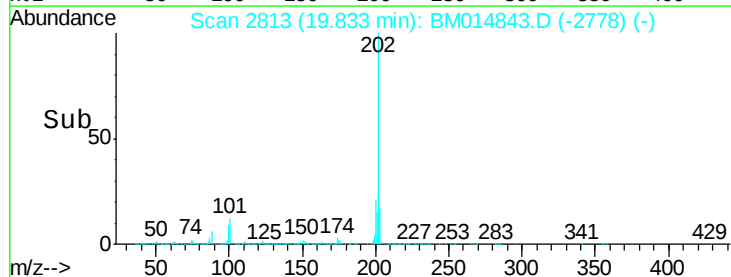
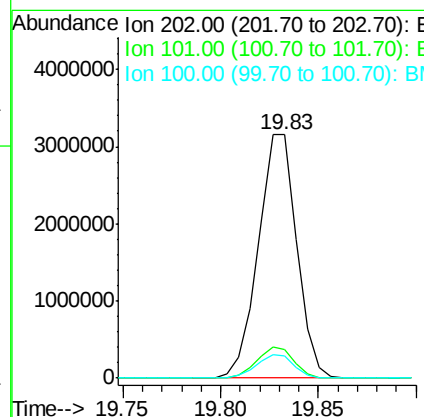
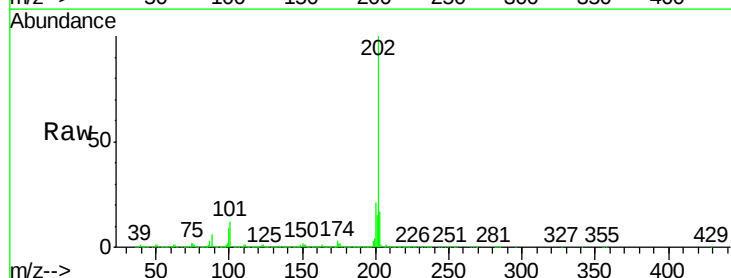
Instrument :
 BNA_M
 ClientSampleId :

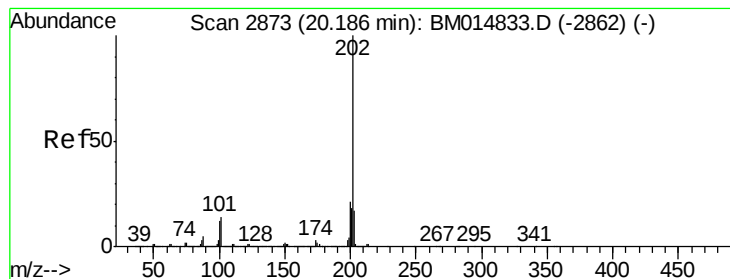
Tot Ion	Ratio	Lower	Upper
167	100		
166	22.8	17.1	25.7
139	13.4	10.0	15.0



#74
 Fluoranthene
 Concen: 49.158 ng/ul
 RT: 19.83 min Scan# 2813
 Delta R.T. 0.01 min
 Lab File: BM014843.D
 Acq: 25 Apr 2018 20:46

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	4.6	7.0#
100	8.9	3.4	5.2#





#77

Pvrene

Concen: 37.533 ng/ul

RT: 20.19 min Scan# 2873

Delta R.T. -0.00 min

Lab File: BM014843.D

Acq: 25 Apr 2018 20:46

Instrument :

BNA_M

ClientSampleId :

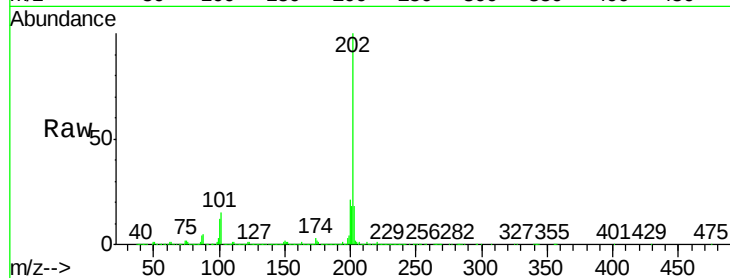
Tot Ion:202 Resp: 3543535

Ion Ratio Lower Upper

202 100

101 14.6 5.1 7.7#

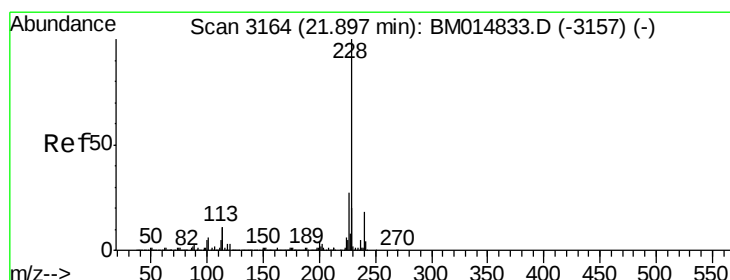
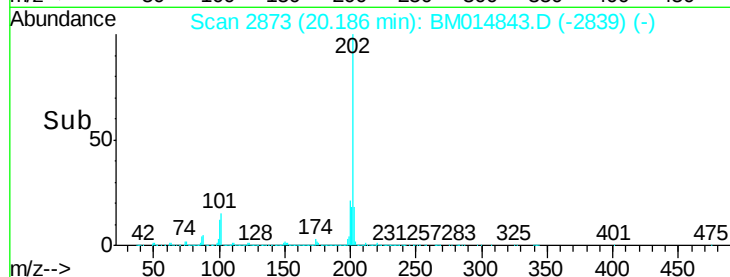
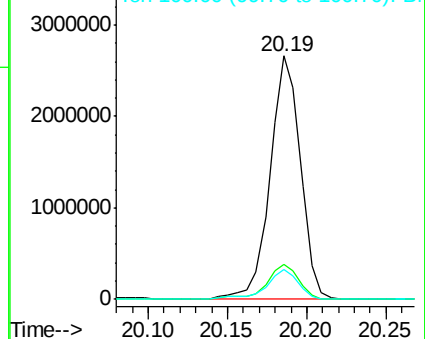
100 12.3 4.9 7.3#



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: 22.334 ng/ul

RT: 21.89 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BM014843.D

Acq: 25 Apr 2018 20:46

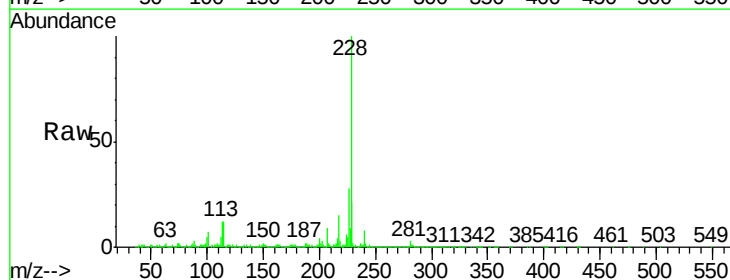
Tgt Ion:228 Resp: 2110354

Ion Ratio Lower Upper

228 100

229 20.6 15.4 23.0

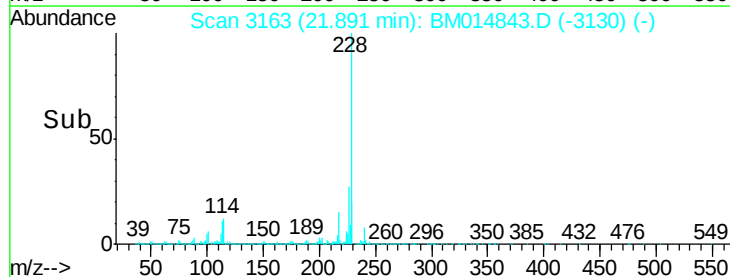
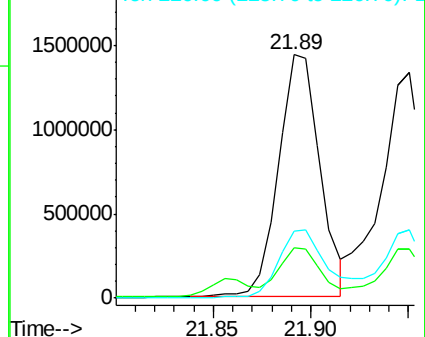
226 27.7 21.4 32.0

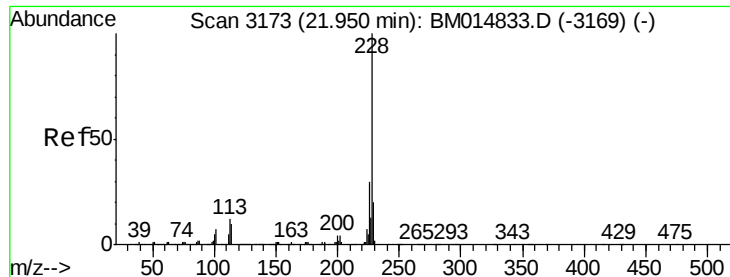


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 23.326 ng/ul

RT: 21.95 min Scan# 3173

Delta R.T. -0.00 min

Lab File: BM014843.D

Acq: 25 Apr 2018 20:46

Instrument :

BNA_M

ClientSampleId :

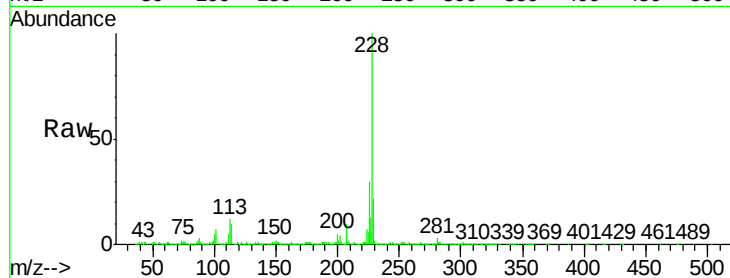
Tot Ion:228 Resp: 2063370

Ion Ratio Lower Upper

228 100

226 30.4 23.4 35.2

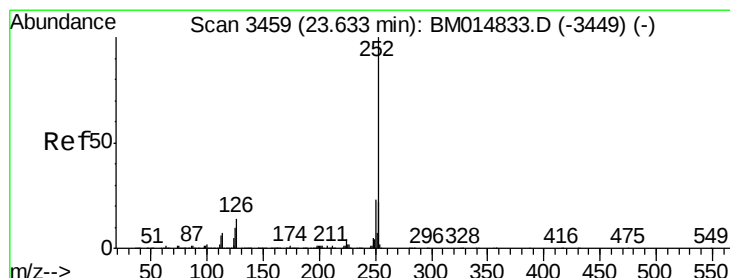
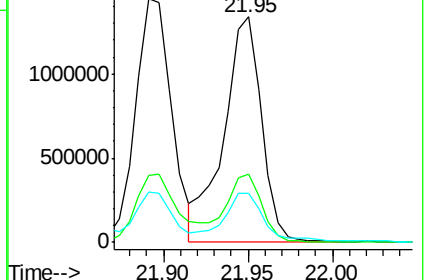
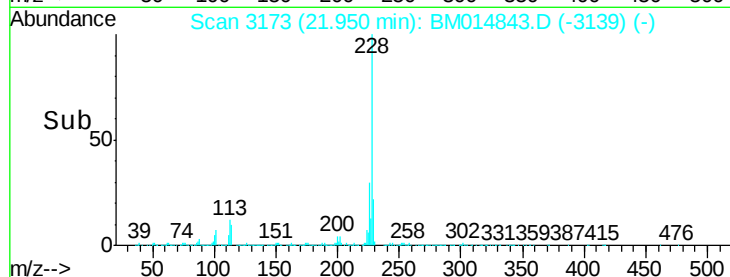
229 22.0 15.5 23.3



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: 28.908 ng/ul

RT: 23.64 min Scan# 3460

Delta R.T. 0.01 min

Lab File: BM014843.D

Acq: 25 Apr 2018 20:46

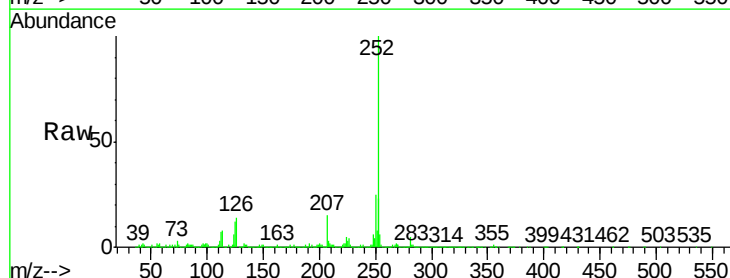
Tgt Ion:252 Resp: 3050551

Ion Ratio Lower Upper

252 100

253 22.9 17.9 26.9

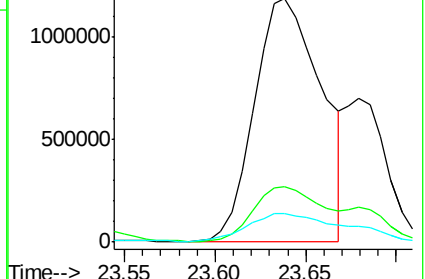
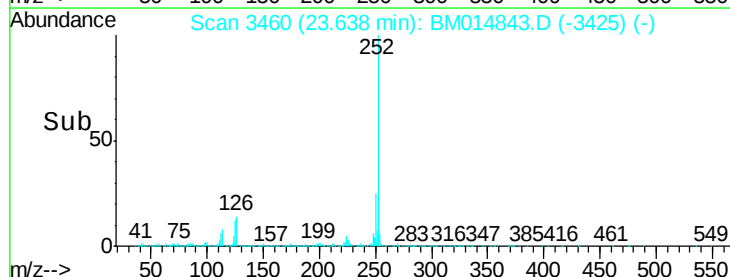
125 11.8 3.6 5.4#

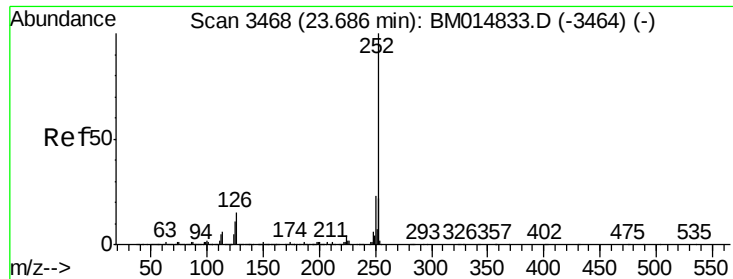


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 30.062 ng/u1

RT: 23.64 min Scan# 3460

Delta R.T. -0.05 min

Lab File: BM014843.D

Acq: 25 Apr 2018 20:46

Instrument :

BNA_M

ClientSampleId :

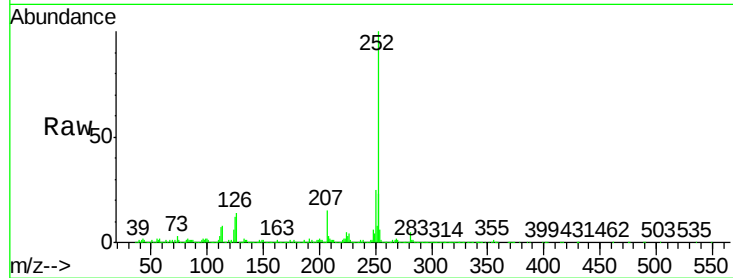
Tot Ion:252 Resp: 3050551

Ion Ratio Lower Upper

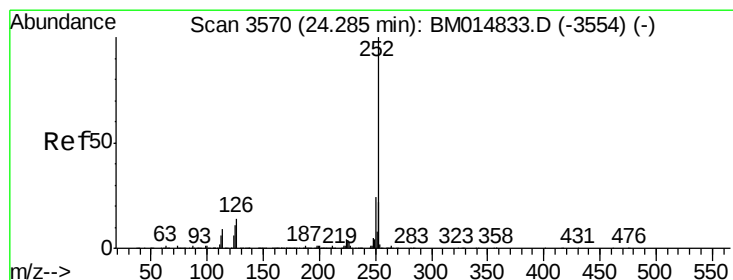
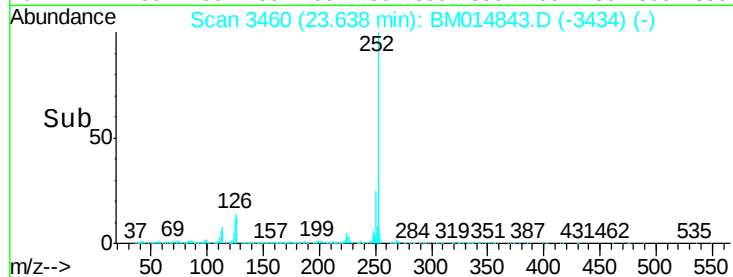
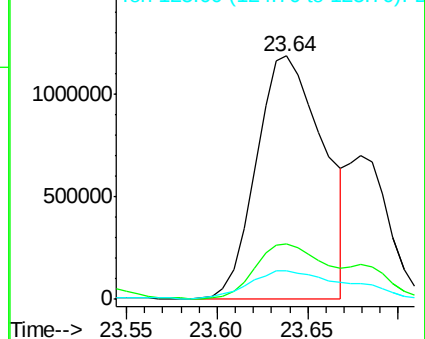
252 100

253 22.9 17.1 25.7

125 11.8 3.4 5.2#



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



#88

Benzo(a)pyrene

Concen: 21.228 ng/u1

RT: 24.29 min Scan# 3570

Delta R.T. -0.00 min

Lab File: BM014843.D

Acq: 25 Apr 2018 20:46

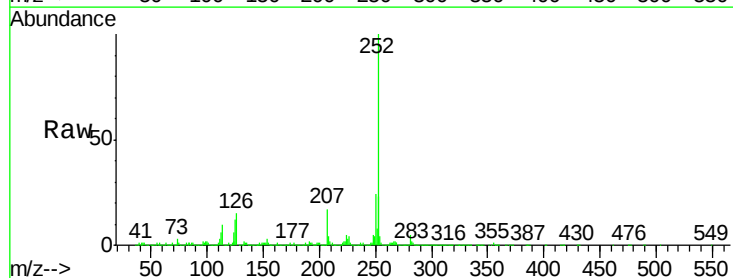
Tgt Ion:252 Resp: 2124878

Ion Ratio Lower Upper

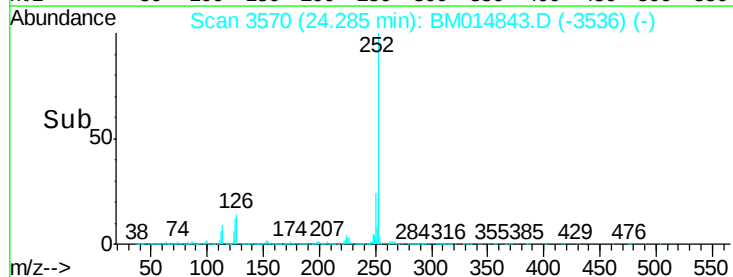
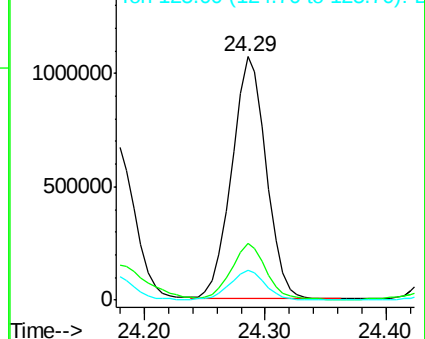
252 100

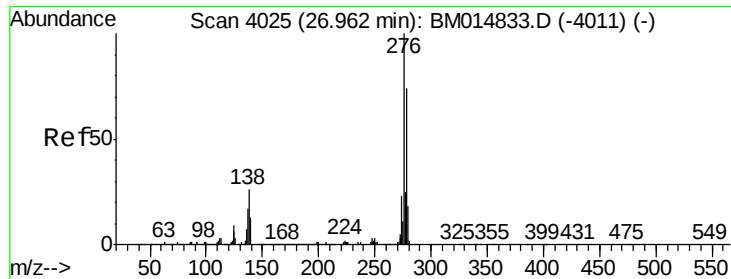
253 23.0 18.2 27.2

125 12.0 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



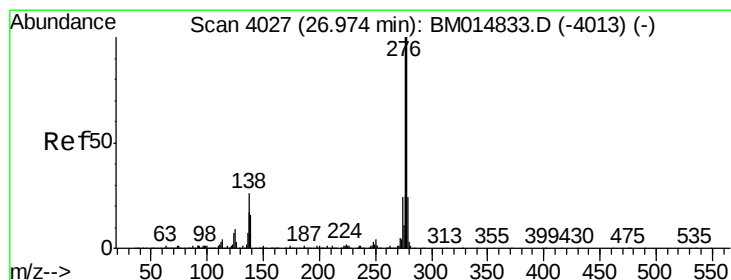
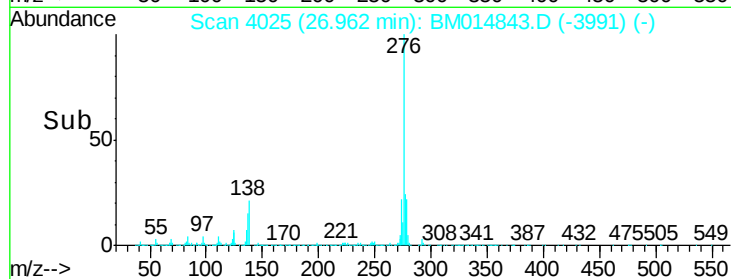
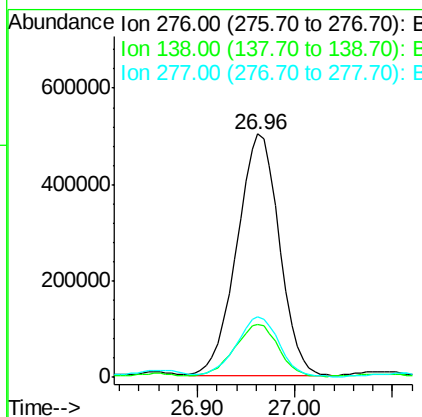
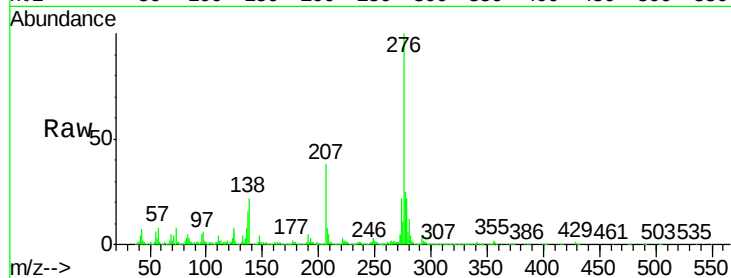


#89

Indeno(1,2,3-cd)pyrene
Concen: 12.454 ng/ul
RT: 26.96 min Scan# 4025
Delta R.T. -0.00 min
Lab File: BM014843.D
Acq: 25 Apr 2018 20:46

Instrument :
BNA_M
ClientSampleId :

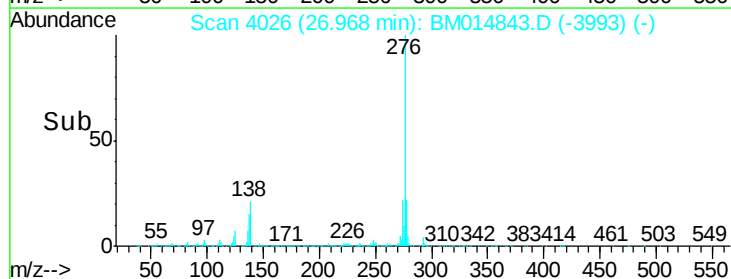
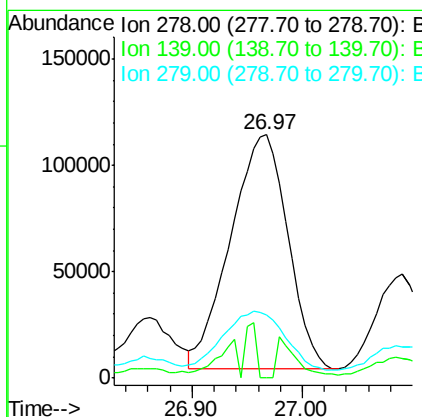
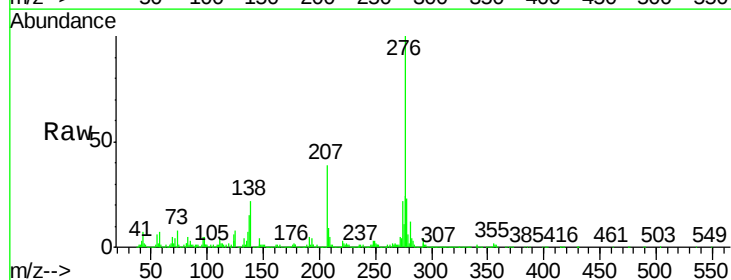
Tot Ion:276 Resp: 1508069
Ion Ratio Lower Upper
276 100
138 21.6 9.3 13.9#
277 24.8 19.9 29.9

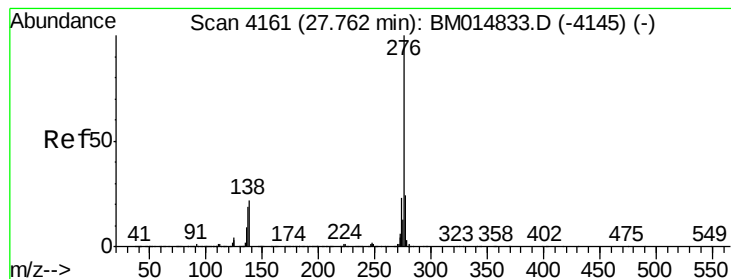


#90

Dibenzo(a,h)anthracene
Concen: 3.918 ng/ul
RT: 26.97 min Scan# 4026
Delta R.T. -0.01 min
Lab File: BM014843.D
Acq: 25 Apr 2018 20:46

Tgt Ion:278 Resp: 399476
Ion Ratio Lower Upper
278 100
139 0.0 5.8 8.8#
279 26.1 18.6 27.8





#91

Benzo(a,h,i)perylene

Concen: 11.927 ng/ul

RT: 27.76 min Scan# 4161

Delta R.T. -0.00 min

Lab File: BM014843.D

Acq: 25 Apr 2018 20:46

Instrument :

BNA_M

ClientSampleId :

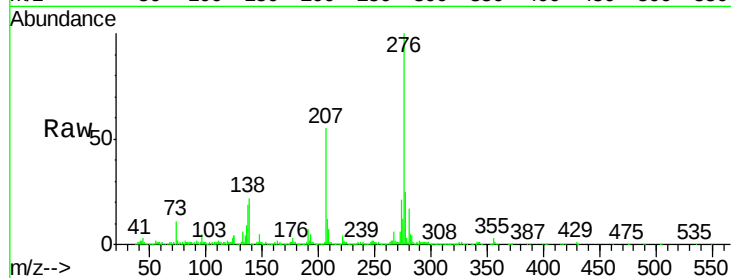
Tot Ion:276 Resp: 1188181

Ion Ratio Lower Upper

276 100

138 22.5 8.5 12.7#

277 25.1 18.6 28.0



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

