

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042518\
 Data File : BM014848.D
 Acq On : 25 Apr 2018 23:49
 Operator : SJ/JU
 Sample : J2431-14DL2 30X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Apr 26 02:05:14 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	279033	20.00	ng/ul	0.00
18) Naphthalene-d8	11.35	136	1177062	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.10	164	619389	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.82	188	1335365	20.00	ng/ul	0.00
75) Chrysene-d12	21.91	240	1402865	20.00	ng/ul	0.00
83) Perylene-d12	24.39	264	1473047	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.65	96	505	0.08	ng/uL	0.00
5) Phenol-d5	7.62	99	11778	0.55	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.80	67	9171	0.66	ng/ul	0.00
9) 2-Chlorophenol-d4	8.02	132	9863	0.55	ng/ul	0.00
13) 4-Methylphenol-d8	9.20	113	9057	0.53	ng/ul	0.00
19) Nitrobenzene-d5	9.68	128	4773	0.56	ng/ul	0.00
22) 2-Nitrophenol-d4	10.42	143	3909	0.46	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.95	165	8809	0.51	ng/ul	0.00
29) 4-Chloroaniline-d4	11.45	131	19260	1.13	ng/ul	-0.02
43) Dimethylphthalate-d6	14.49	166	27536	0.57	ng/ul	0.00
46) Acenaphthylene-d8	14.80	160	28559	0.48	ng/ul	0.00
51) 4-Nitrophenol-d4	15.26	143	3303	0.37	ng/ul	0.00
57) Fluorene-d10	16.08	176	28297	0.67	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.19	200	1524	0.21	ng/ul	0.00
70) Anthracene-d10	17.92	188	36521	0.59	ng/ul	0.00
76) Pyrene-d10	20.16	212	41582	0.63	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.23	264	45193	0.62	ng/ul	-0.01

Target Compounds

					Ovalue
14) Acetophenone	9.31	105	33922	1.346	ng/ul# 27
17) Hexachloroethane	9.62	117	15996	2.201	ng/ul# 1
28) Naphthalene	11.40	128	647831	11.294	ng/ul 99
30) 4-Chloroaniline	11.39	127	85619	5.190	ng/ul# 21
34) 2-Methylnaphthalene	12.97	142	662455	16.632	ng/ul 98
40) 1,1'-Biphenyl	13.95	154	205152	4.119	ng/ul# 98
49) Acenaphthene	15.17	153	1108069	26.956	ng/ul 100
53) Dibenzofuran	15.50	168	1052994	18.447	ng/ul 99
58) Fluorene	16.14	166	1061129	23.022	ng/ul 100
60) 4-Nitroaniline	16.14	138	12302	1.250	ng/ul# 9
69) Phenanthrene	17.86	178	4889317	68.177	ng/ul 99
71) Anthracene	17.95	178	771669	10.603	ng/ul 99
72) Carbazole	18.21	167	88137	1.420	ng/ul 98
74) Fluoranthene	19.83	202	3285849	42.025	ng/ul# 80
77) Pyrene	20.19	202	2380502	29.042	ng/ul# 79
80) Benzo(a)anthracene	21.89	228	705428	8.599	ng/ul 98
81) Bis(2-ethylhexyl)phthalate	21.77	149	235466	4.797	ng/ul# 95
82) Chrysene	21.94	228	555004	7.227	ng/ul 97
85) Benzo(b)fluoranthene	23.63	252	462959	5.331	ng/ul# 96
86) Benzo(k)fluoranthene	23.63	252	462959	5.544	ng/ul# 94
88) Benzo(a)pyrene	24.28	252	278600	3.382	ng/ul# 94
91) Benzo(a,h,i)perylene	27.75	276	83782	1.022	ng/ul# 85

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Response via : Initial Calibration

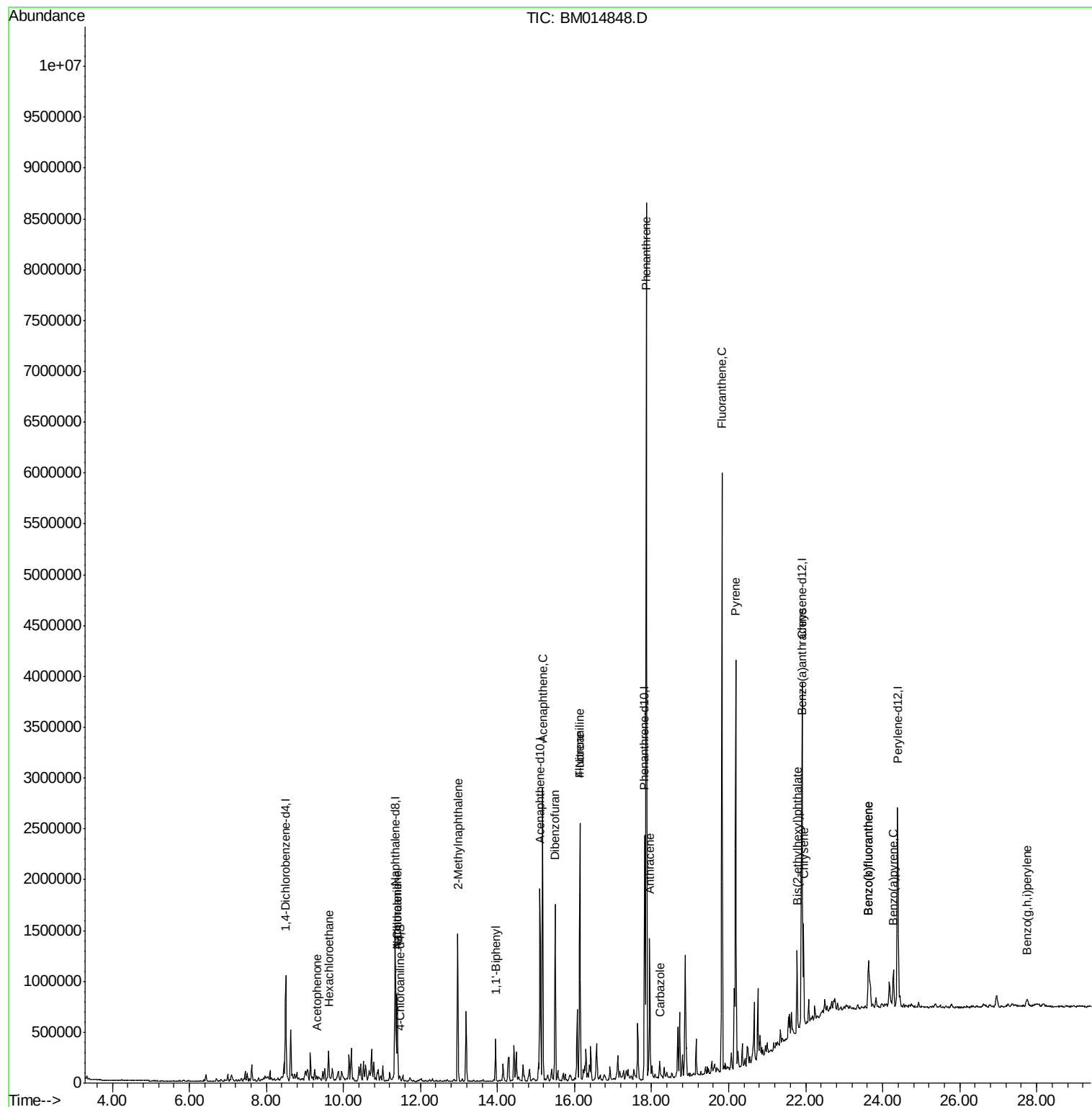
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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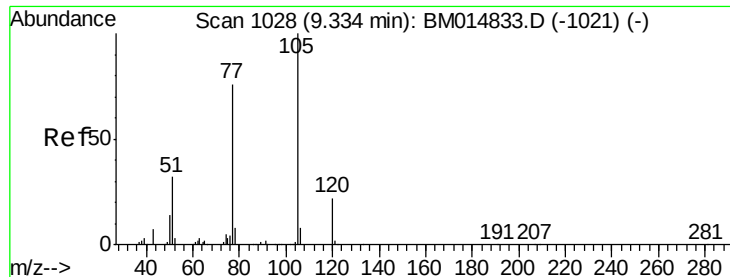
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#14

Acetophenone

Concen: 1.346 ng/ul

RT: 9.31 min Scan# 1024

Delta R.T. -0.02 min

Lab File: BM014848.D

Acq: 25 Apr 2018 23:49

Instrument :

BNA_M

ClientSampleId :

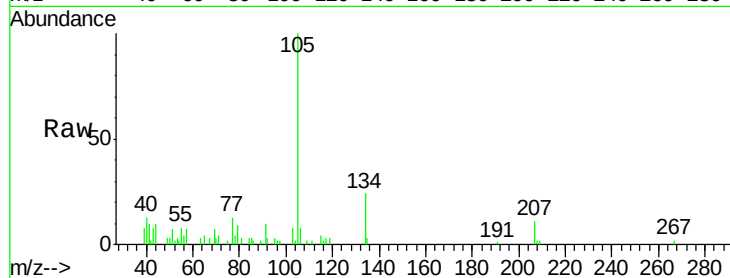
Tot Ion:105 Resp: 33922

Ion Ratio Lower Upper

105 100

77 13.2 74.2 111.4#

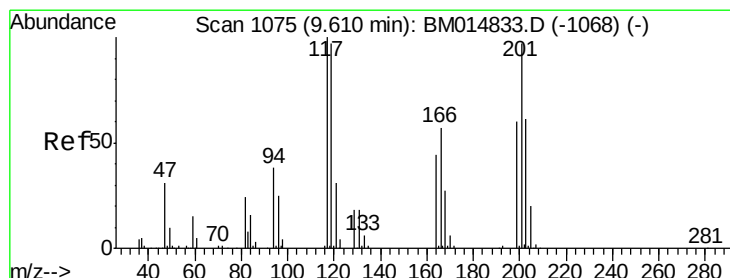
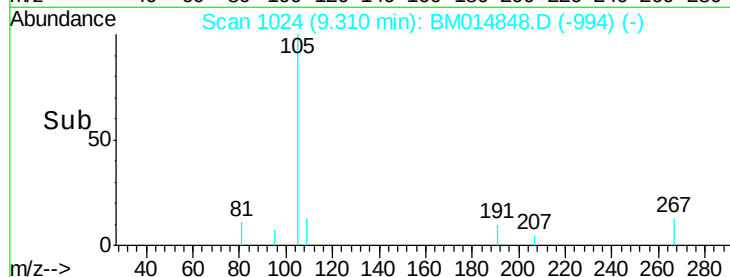
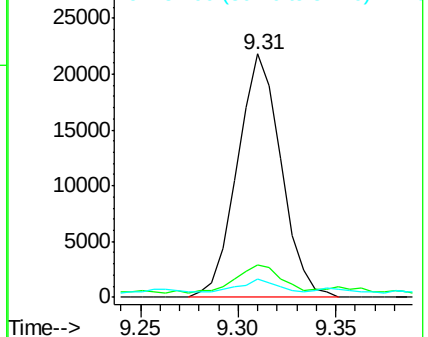
51 7.4 23.4 35.2#



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 51.00 (50.70 to 51.70): BM0



#17

Hexachloroethane

Concen: 2.201 ng/ul

RT: 9.62 min Scan# 1076

Delta R.T. 0.01 min

Lab File: BM014848.D

Acq: 25 Apr 2018 23:49

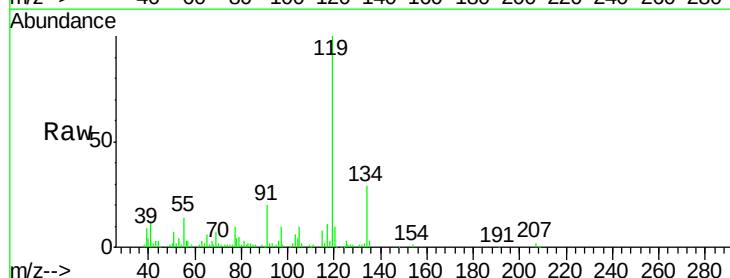
Tgt Ion:117 Resp: 15996

Ion Ratio Lower Upper

117 100

201 0.0 111.6 167.4#

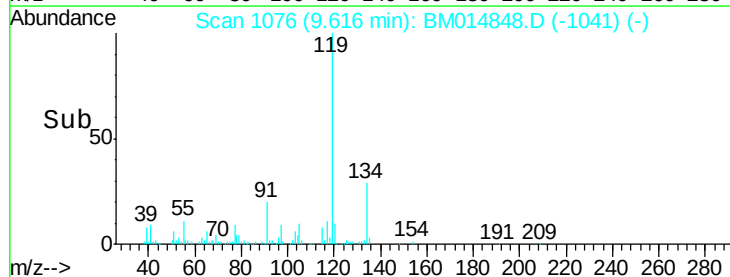
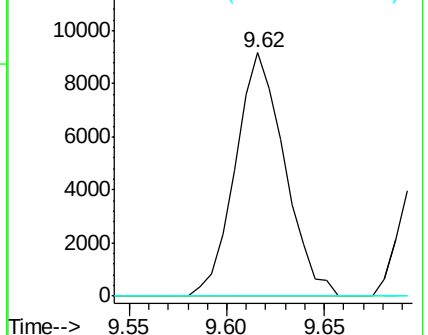
199 0.0 67.8 101.6#

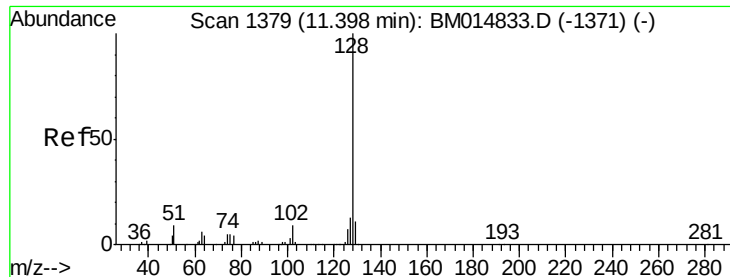


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E





#28

Naphthalene

Concen: 11.294 ng/ul

RT: 11.40 min Scan# 1379

Delta R.T. -0.00 min

Lab File: BM014848.D

Acq: 25 Apr 2018 23:49

Instrument :

BNA_M

ClientSampled :

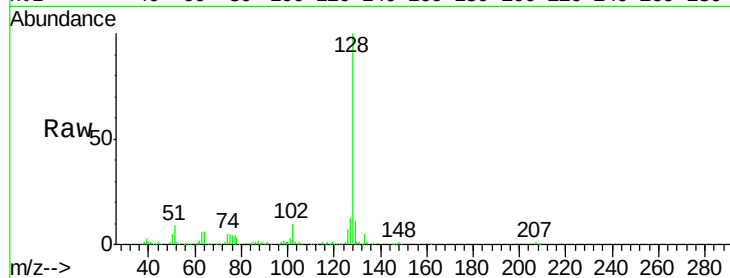
Tot Ion:128 Resp: 647831

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

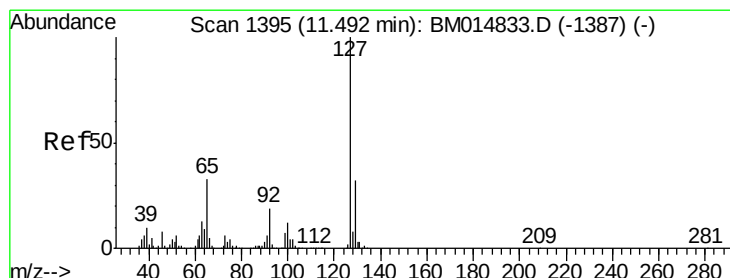
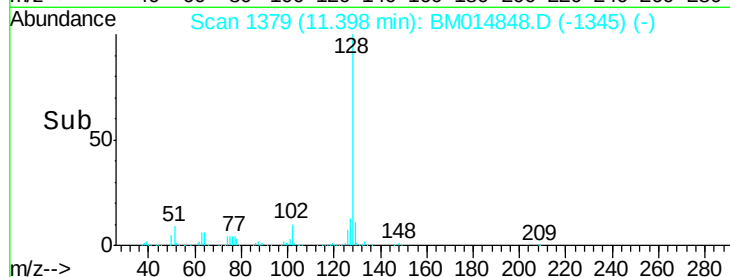
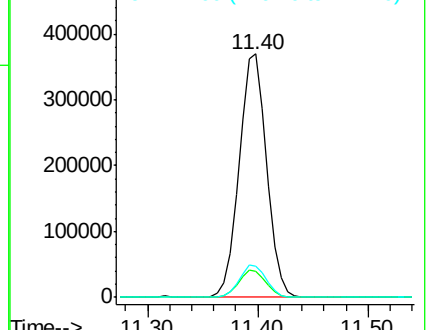
127 13.0 10.6 16.0



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



#30

4-Chloroaniline

Concen: 5.190 ng/ul

RT: 11.39 min Scan# 1378

Delta R.T. -0.10 min

Lab File: BM014848.D

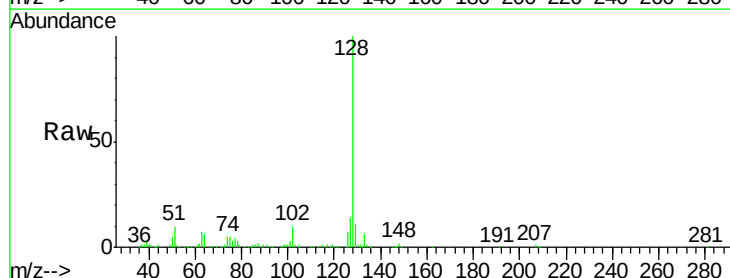
Acq: 25 Apr 2018 23:49

Tgt Ion:127 Resp: 85619

Ion Ratio Lower Upper

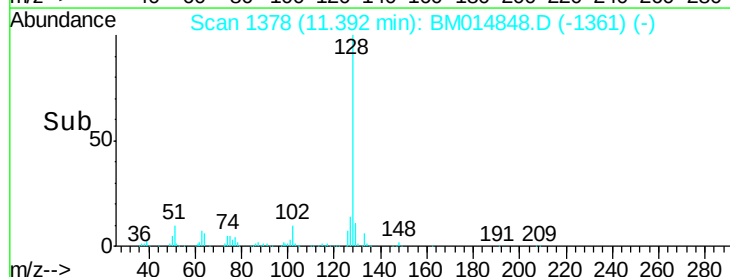
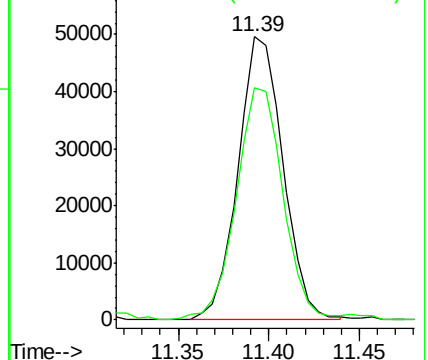
127 100

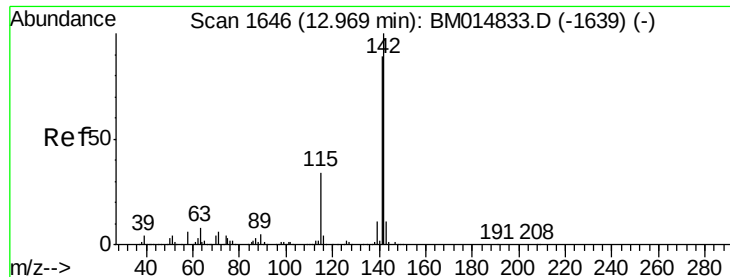
129 82.0 28.4 42.6#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

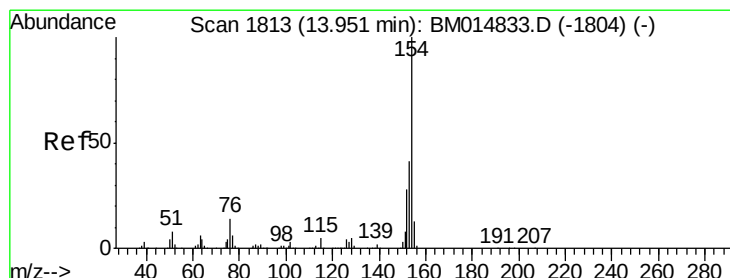
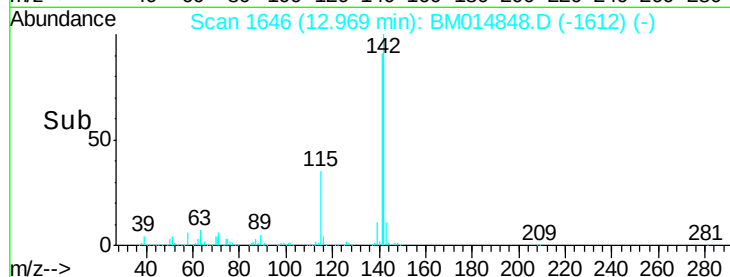
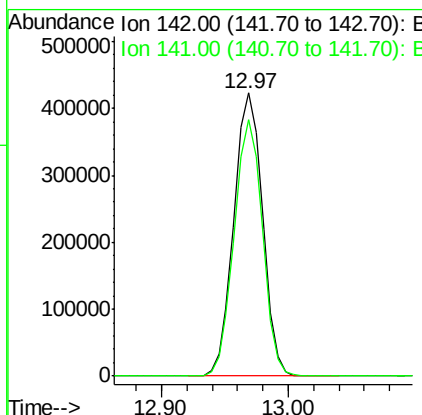
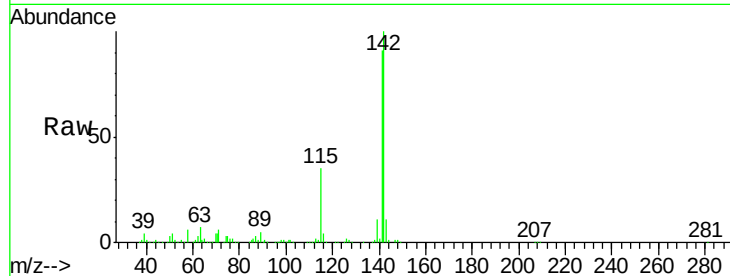




#34
 2-Methylnaphthalene
 Concen: 16.632 ng/ul
 RT: 12.97 min Scan# 1646
 Delta R.T. -0.00 min
 Lab File: BM014848.D
 Acq: 25 Apr 2018 23:49

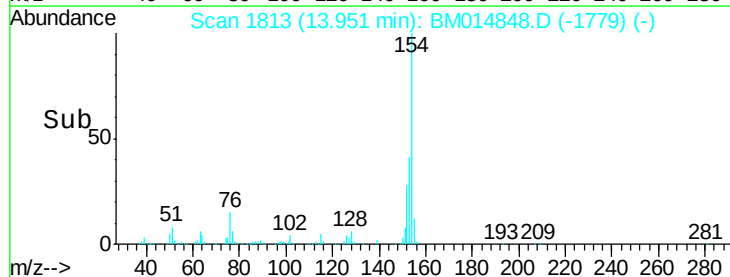
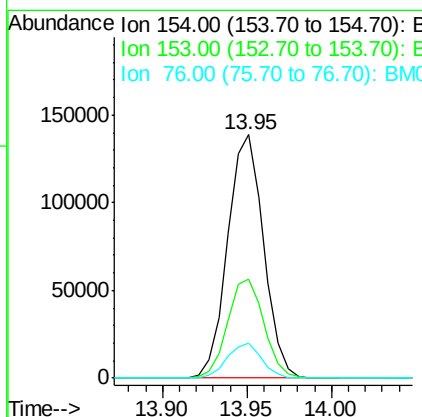
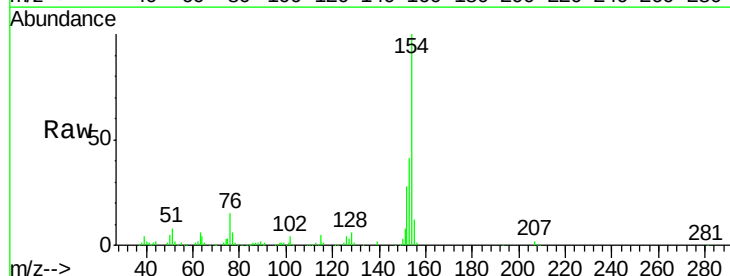
Instrument :
 BNA_M
 ClientSampleId :

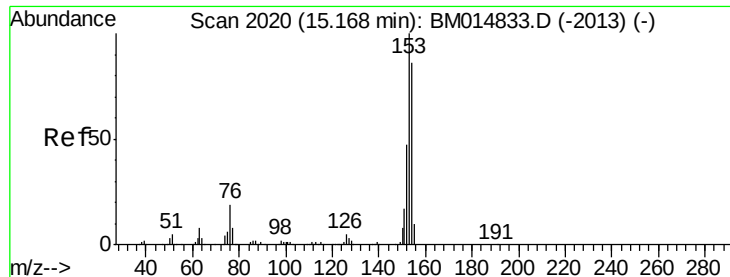
Tot Ion:142 Resp: 662455
 Ion Ratio Lower Upper
 142 100
 141 90.6 74.1 111.1



#40
 1,1'-Biphenyl
 Concen: 4.119 ng/ul
 RT: 13.95 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: BM014848.D
 Acq: 25 Apr 2018 23:49

Tgt Ion:154 Resp: 205152
 Ion Ratio Lower Upper
 154 100
 153 40.6 32.6 48.8
 76 14.5 8.5 12.7#





#49

Acenaphthene

Concen: 26.956 ng/ul

RT: 15.17 min Scan# 2020

Delta R.T. -0.00 min

Lab File: BM014848.D

Acq: 25 Apr 2018 23:49

Instrument :

BNA_M

ClientSampleId :

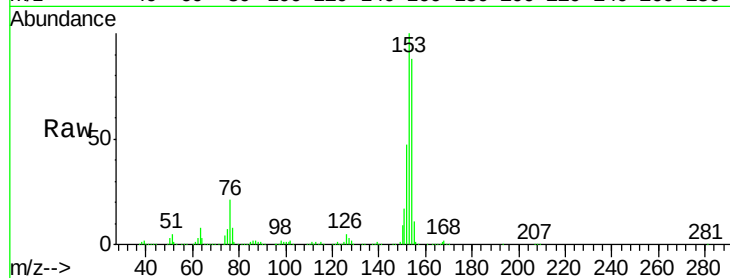
Tot Ion:153 Resp: 1108069

Ion Ratio Lower Upper

153 100

152 46.9 37.6 56.4

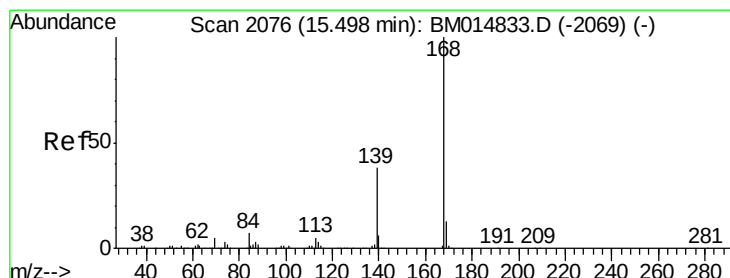
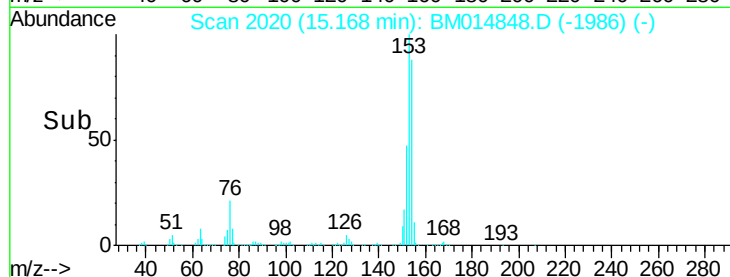
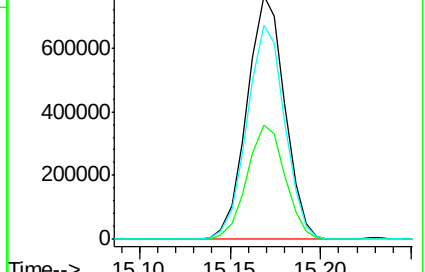
154 87.7 70.4 105.6



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: 18.447 ng/ul

RT: 15.50 min Scan# 2076

Delta R.T. -0.00 min

Lab File: BM014848.D

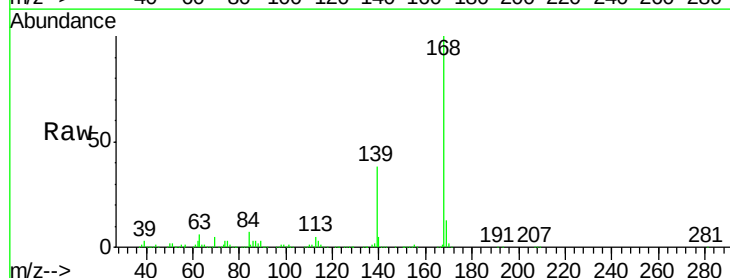
Acq: 25 Apr 2018 23:49

Tgt Ion:168 Resp: 1052994

Ion Ratio Lower Upper

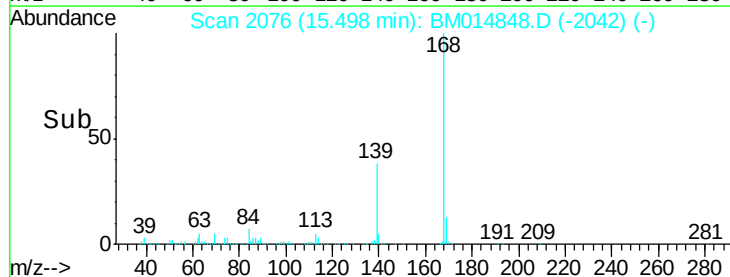
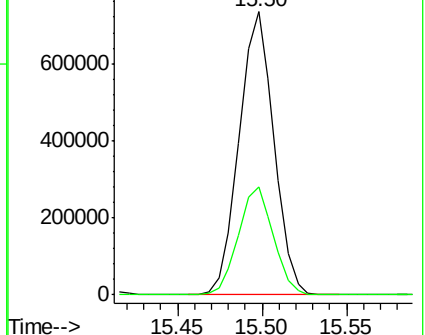
168 100

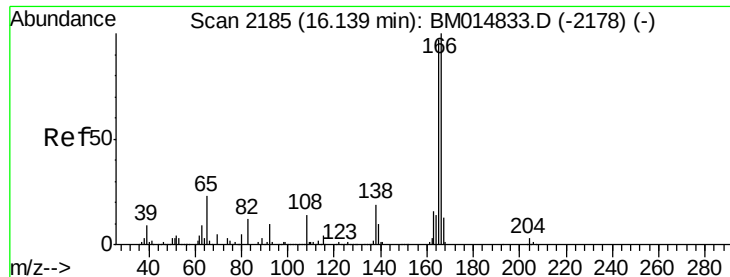
139 38.0 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 23.022 ng/ul

RT: 16.14 min Scan# 2185

Delta R.T. -0.00 min

Lab File: BM014848.D

Acq: 25 Apr 2018 23:49

Instrument :

BNA_M

ClientSampled :

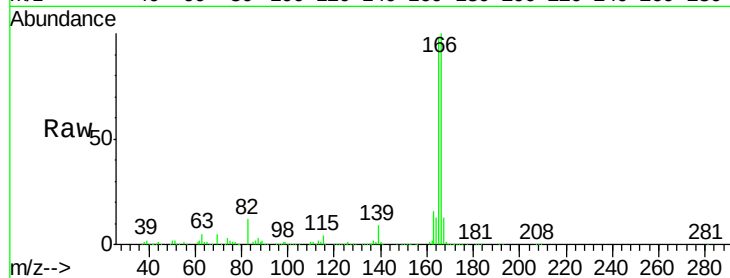
Tot Ion:166 Resp: 1061129

Ion Ratio Lower Upper

166 100

165 97.7 77.9 116.9

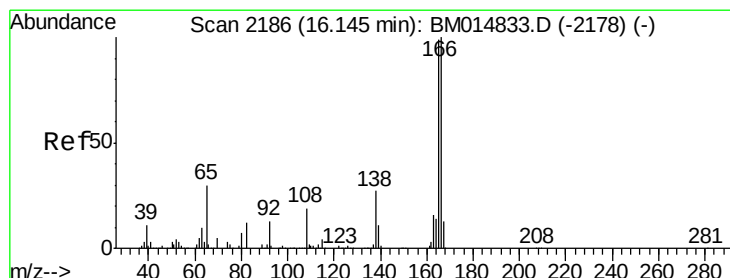
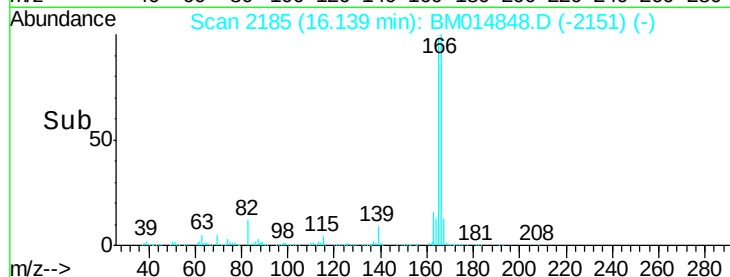
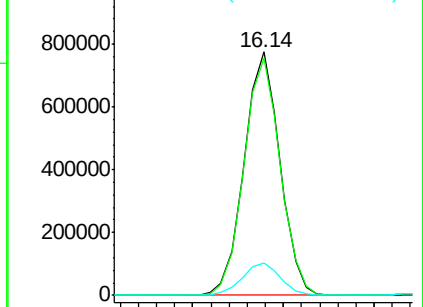
167 13.3 10.6 16.0



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: 1.250 ng/ul

RT: 16.14 min Scan# 2185

Delta R.T. -0.01 min

Lab File: BM014848.D

Acq: 25 Apr 2018 23:49

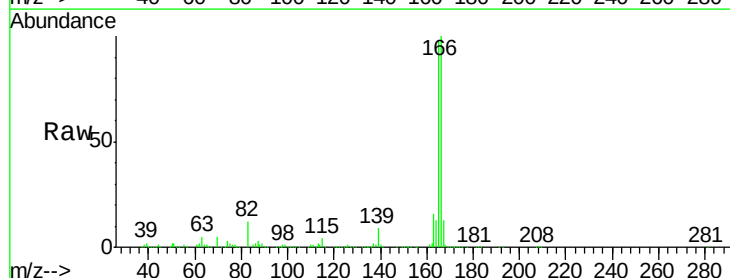
Tgt Ion:138 Resp: 12302

Ion Ratio Lower Upper

138 100

92 0.0 40.0 60.0#

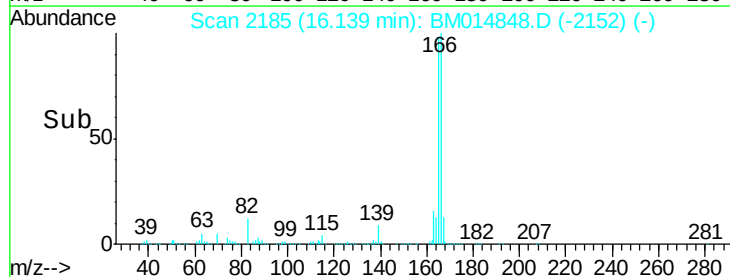
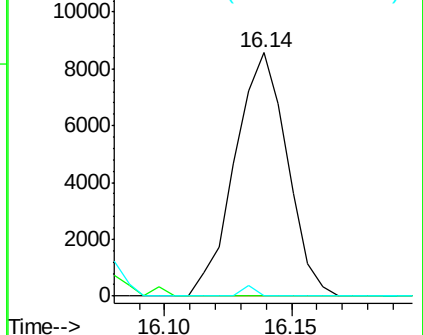
108 0.0 80.0 120.0#

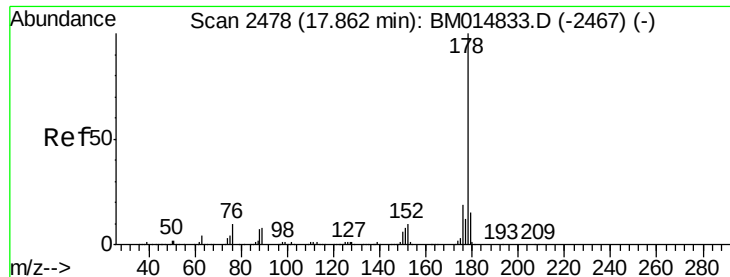


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM0

Ion 108.00 (107.70 to 108.70): E





#69

Phenanthrene

Concen: 68.177 ng/ul

RT: 17.86 min Scan# 2478

Delta R.T. -0.00 min

Lab File: BM014848.D

Acq: 25 Apr 2018 23:49

Instrument :

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ClientSampleId :

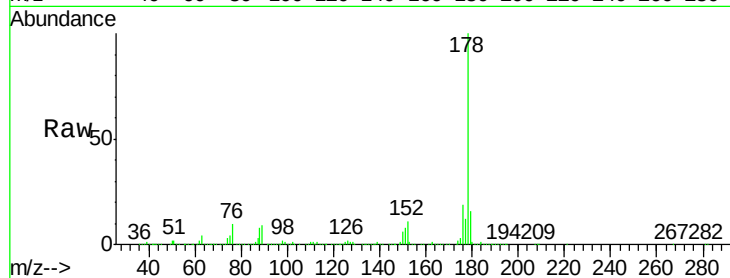
Tot Ion:178 Resp: 4889317

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.6	19.0
176	19.5	14.9	22.3

178 100

179 15.7 12.6 19.0

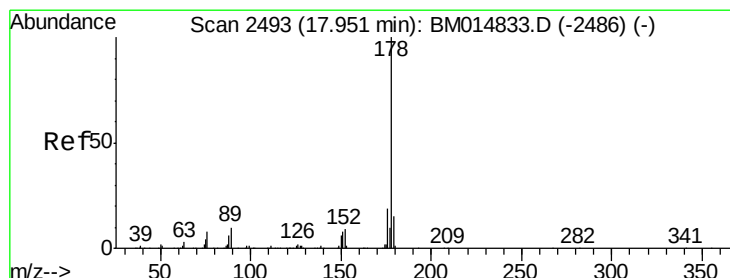
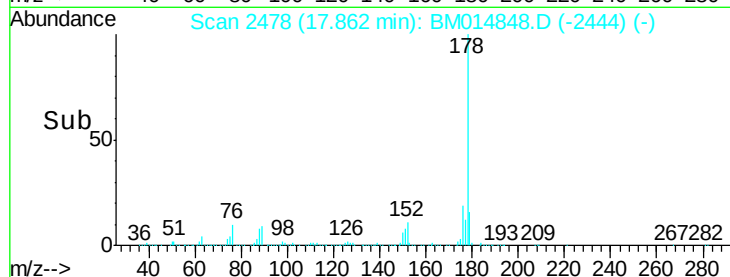
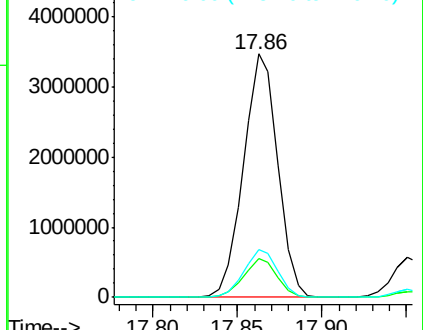
176 19.5 14.9 22.3



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: 10.603 ng/ul

RT: 17.95 min Scan# 2493

Delta R.T. -0.00 min

Lab File: BM014848.D

Acq: 25 Apr 2018 23:49

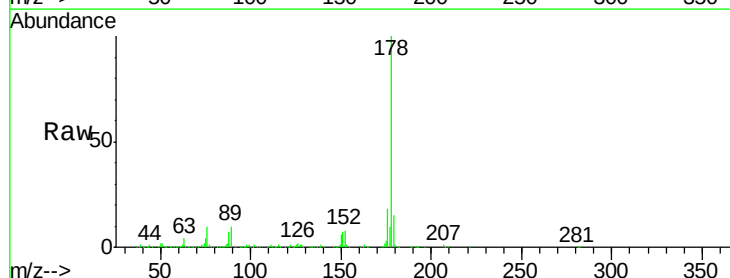
Tgt Ion:178 Resp: 771669

Ion	Ratio	Lower	Upper
178	100		
179	15.1	11.7	17.5
176	18.4	14.6	21.8

178 100

179 15.1 11.7 17.5

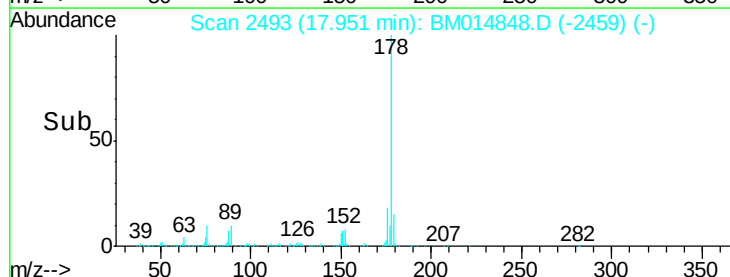
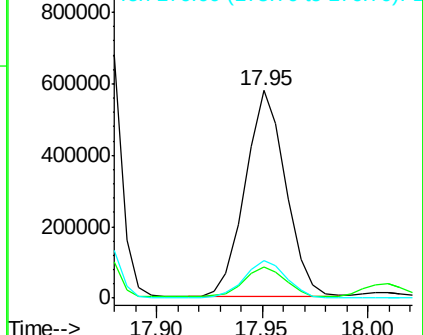
176 18.4 14.6 21.8

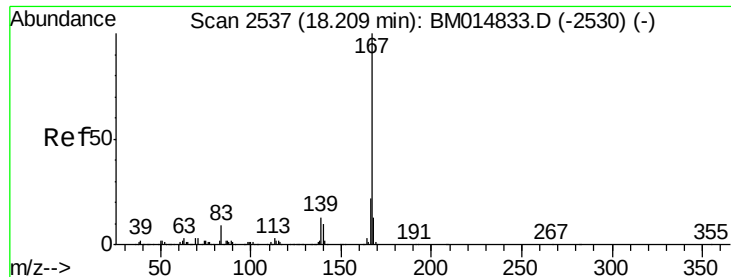


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

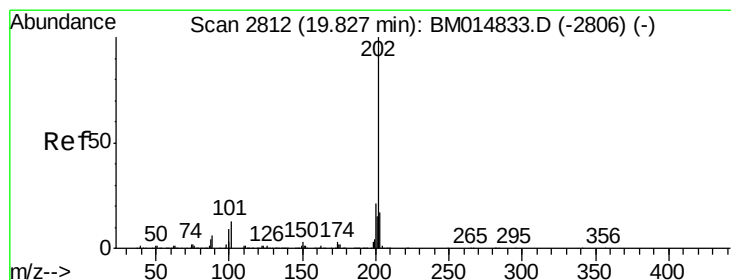
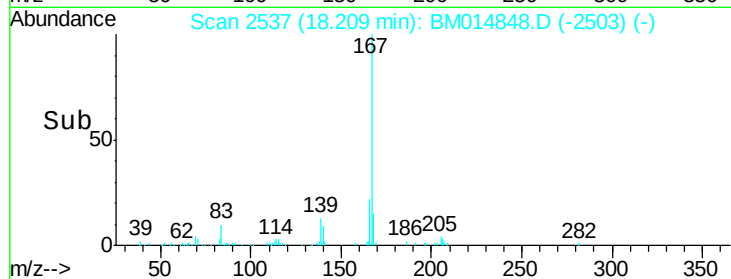
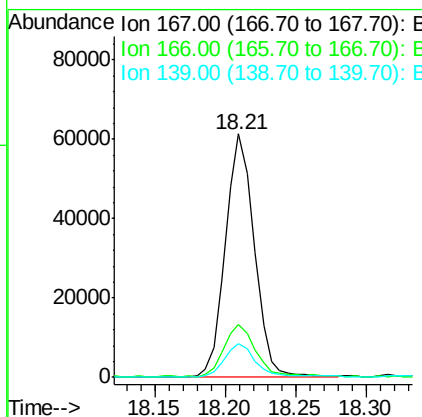
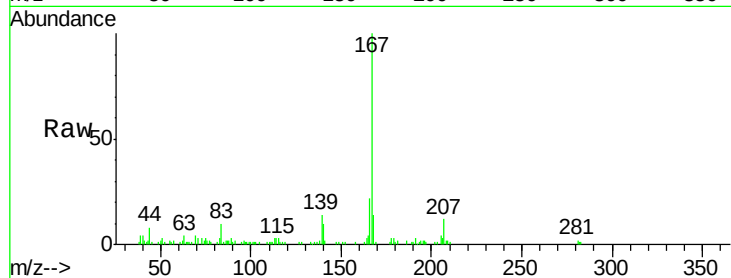




#72
 Carbazole
 Concen: 1.420 ng/ul
 RT: 18.21 min Scan# 2537
 Delta R.T. -0.00 min
 Lab File: BM014848.D
 Acq: 25 Apr 2018 23:49

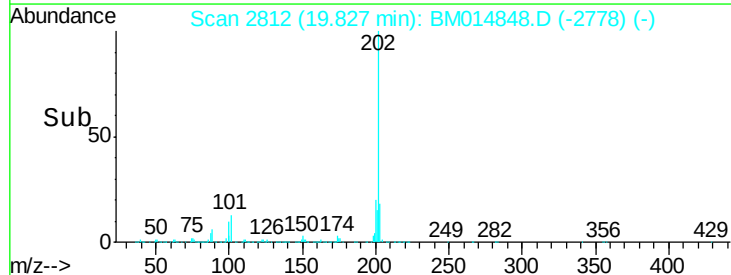
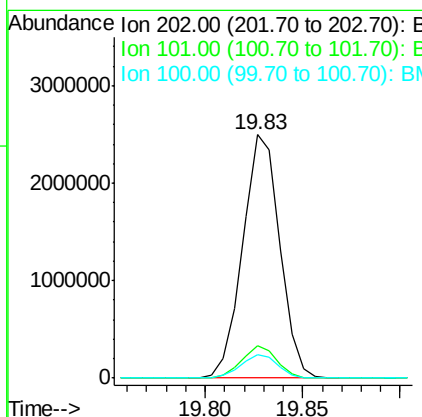
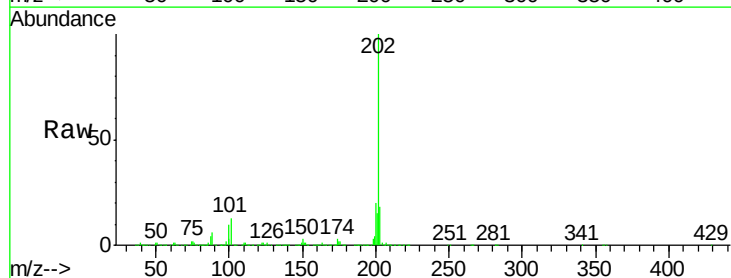
Instrument :
 BNA_M
 ClientSampleId :

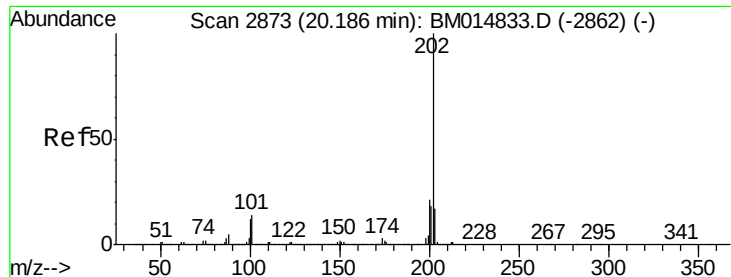
Tot Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.1	25.7
139	13.6	10.0	15.0



#74
 Fluoranthene
 Concen: 42.025 ng/ul
 RT: 19.83 min Scan# 2812
 Delta R.T. -0.00 min
 Lab File: BM014848.D
 Acq: 25 Apr 2018 23:49

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.1	4.6	7.0#
100	9.8	3.4	5.2#

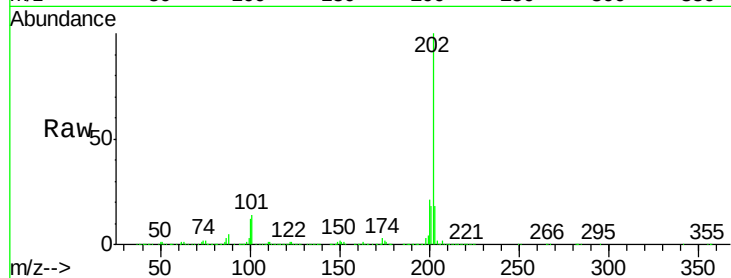




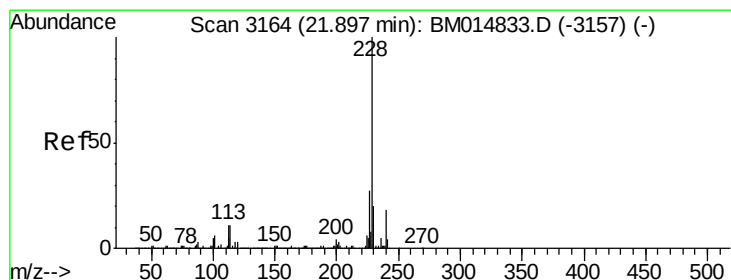
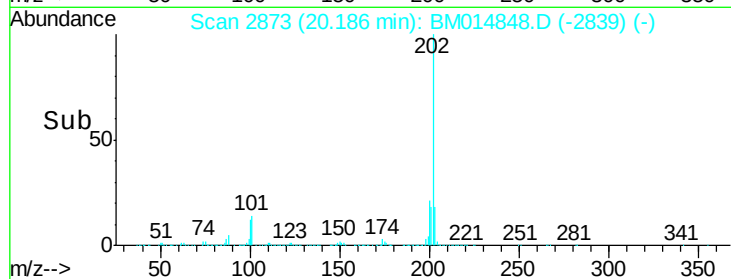
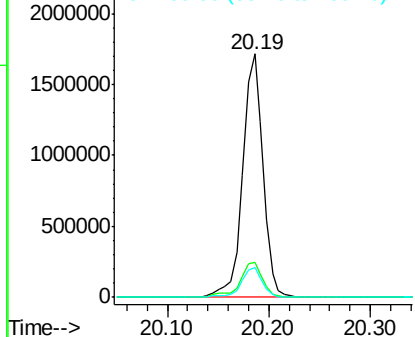
#77
 Pvrene
 Concen: 29.042 ng/ul
 RT: 20.19 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: BM014848.D
 Acq: 25 Apr 2018 23:49

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:202 Resp: 2380502
 Ion Ratio Lower Upper
 202 100
 101 14.4 5.1 7.7#
 100 12.1 4.9 7.3#

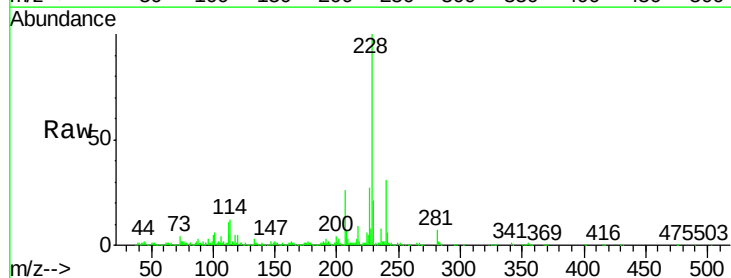


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

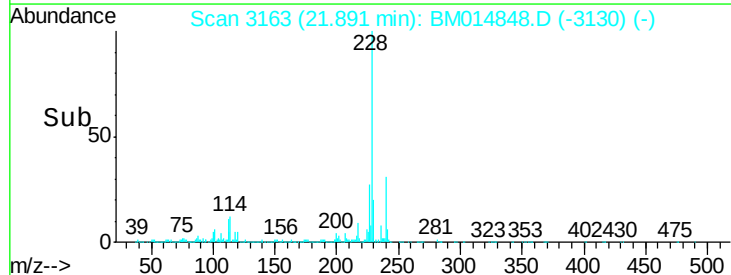
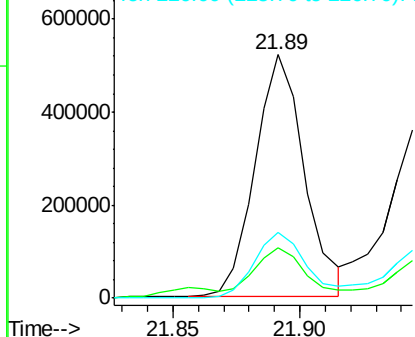


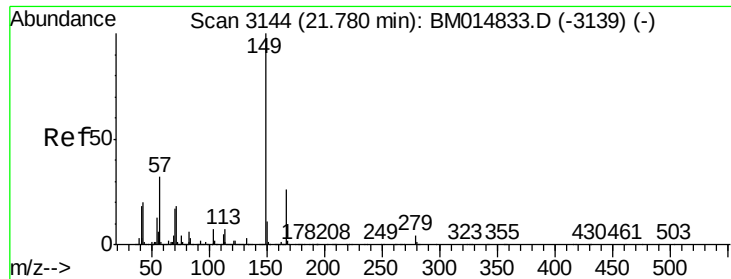
#80
 Benzo(a)anthracene
 Concen: 8.599 ng/ul
 RT: 21.89 min Scan# 3163
 Delta R.T. -0.01 min
 Lab File: BM014848.D
 Acq: 25 Apr 2018 23:49

Tgt Ion:228 Resp: 705428
 Ion Ratio Lower Upper
 228 100
 229 20.5 15.4 23.0
 226 27.1 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

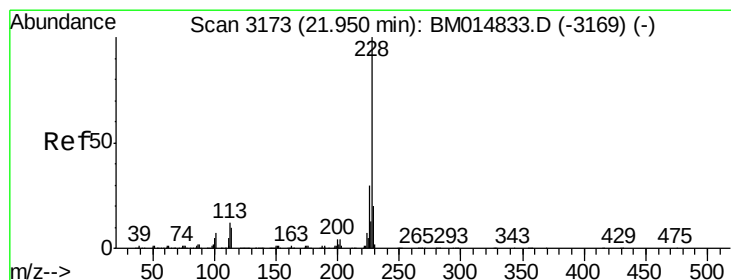
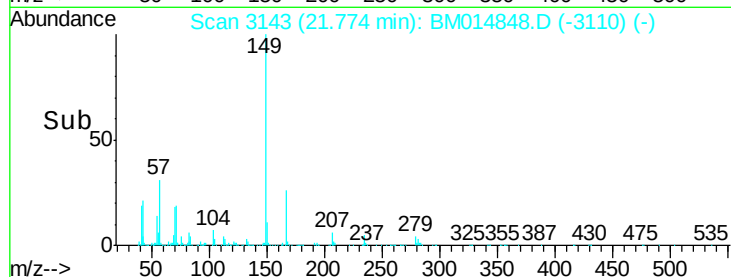
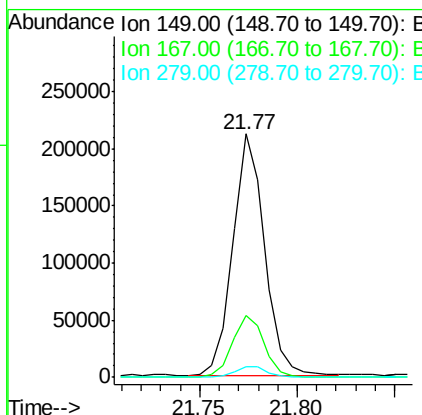
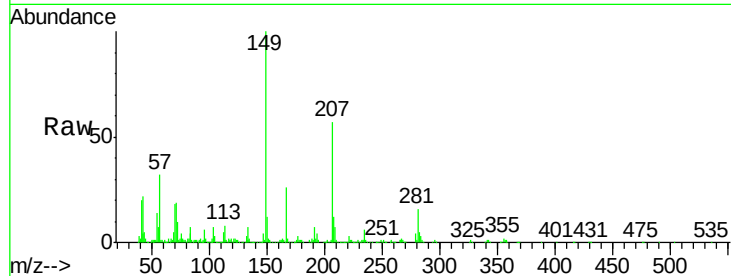




#81
 Bis(2-ethylhexyl)phthalate
 Concen: 4.797 ng/ul
 RT: 21.77 min Scan# 3143
 Delta R.T. -0.01 min
 Lab File: BM014848.D
 Acq: 25 Apr 2018 23:49

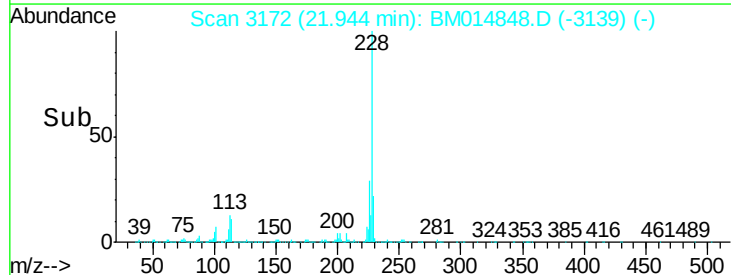
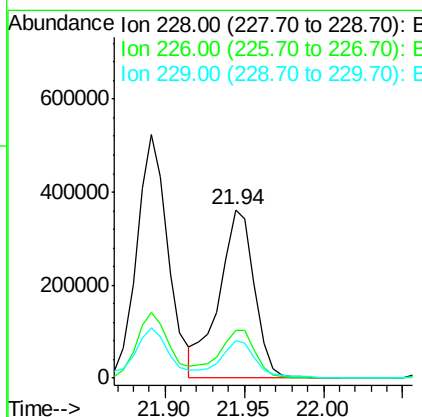
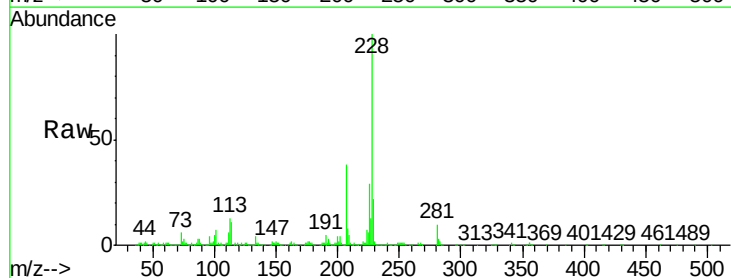
Instrument :
 BNA_M
 ClientSampleId :

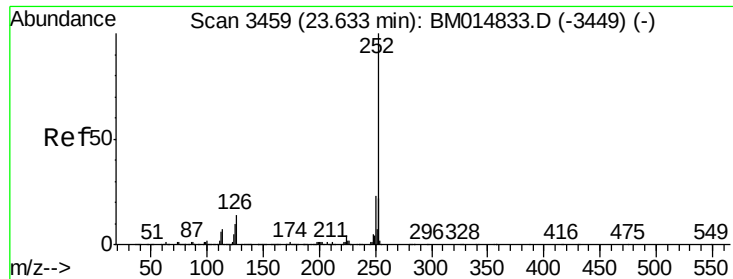
Tot Ion	Ratio	Lower	Upper
149	100		
167	25.6	22.8	34.2
279	4.3	4.9	7.3



#82
 Chrysene
 Concen: 7.227 ng/ul
 RT: 21.94 min Scan# 3172
 Delta R.T. -0.01 min
 Lab File: BM014848.D
 Acq: 25 Apr 2018 23:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	23.4	35.2
229	22.4	15.5	23.3





#85

Benzo(b)fluoranthene

Concen: 5.331 ng/ul

RT: 23.63 min Scan# 3459

Delta R.T. -0.00 min

Lab File: BM014848.D

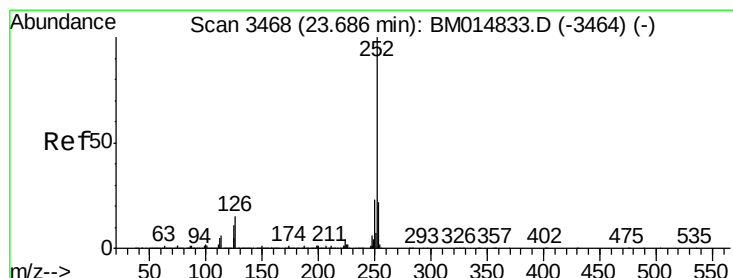
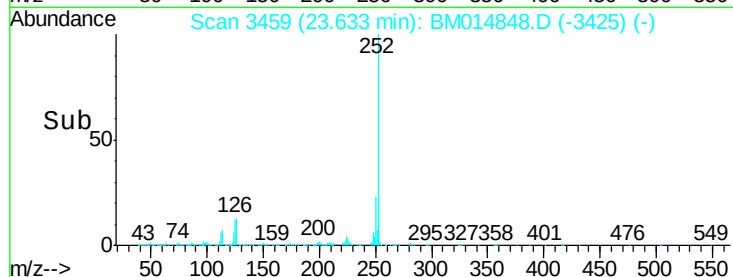
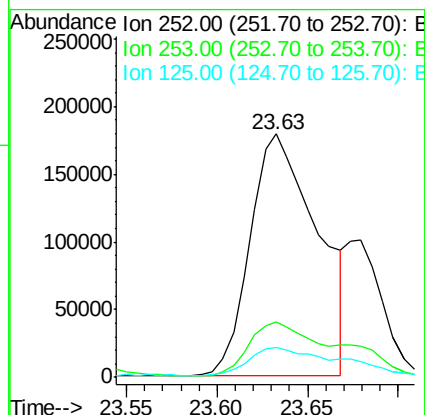
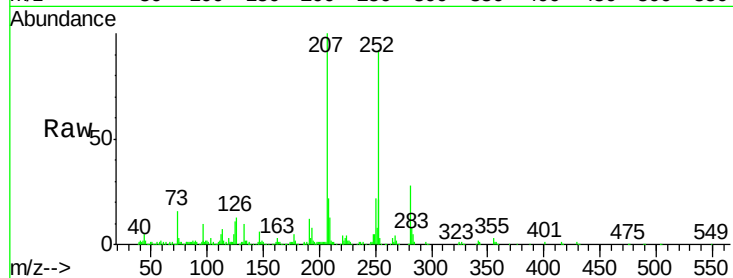
Acq: 25 Apr 2018 23:49

Instrument :

BNA_M

ClientSampled :

Tot Ion:252	Resp:	462959
Ion Ratio	Lower	Upper
252	100	
253	22.6	17.9 26.9
125	12.3	3.6 5.4#



#86

Benzo(k)fluoranthene

Concen: 5.544 ng/ul

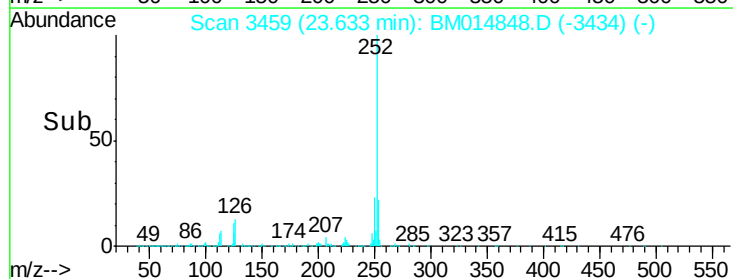
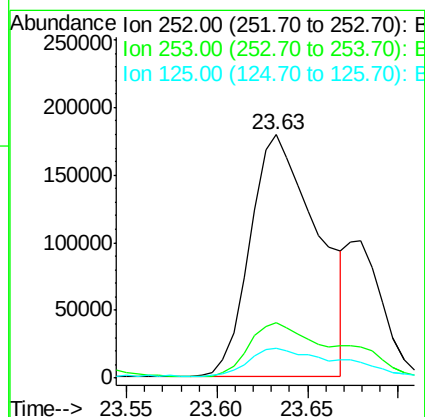
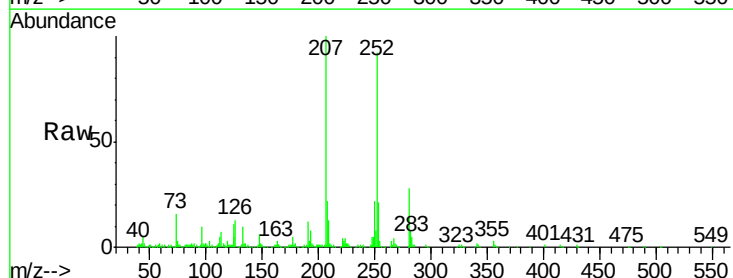
RT: 23.63 min Scan# 3459

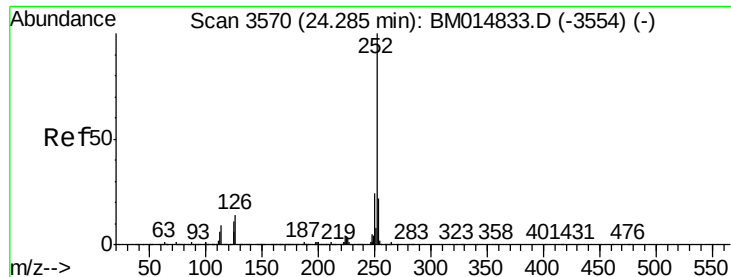
Delta R.T. -0.05 min

Lab File: BM014848.D

Acq: 25 Apr 2018 23:49

Tgt Ion:252	Resp:	462959
Ion Ratio	Lower	Upper
252	100	
253	22.6	17.1 25.7
125	12.3	3.4 5.2#





#88

Benzo(a)pyrene

Concen: 3.382 ng/ul

RT: 24.28 min Scan# 3569

Delta R.T. -0.01 min

Lab File: BM014848.D

Acq: 25 Apr 2018 23:49

Instrument :

BNA_M

ClientSampleId :

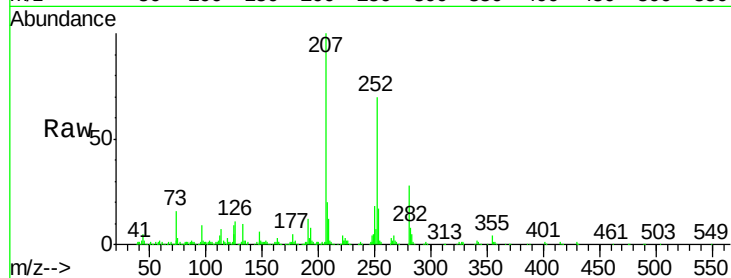
Tot Ion:252 Resp: 278600

Ion Ratio Lower Upper

252 100

253 23.8 18.2 27.2

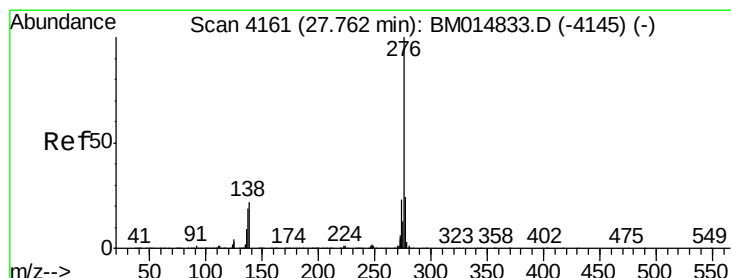
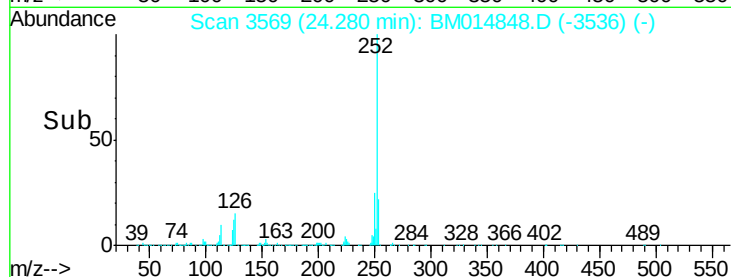
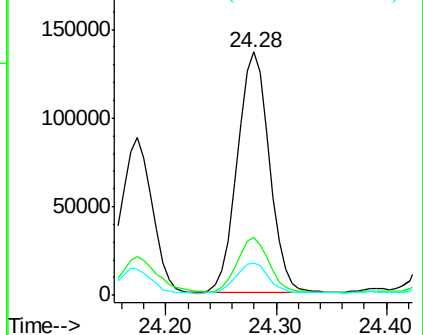
125 13.1 4.0 6.0#



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



#91

Benzo(g,h,i)perylene

Concen: 1.022 ng/ul

RT: 27.75 min Scan# 4159

Delta R.T. -0.01 min

Lab File: BM014848.D

Acq: 25 Apr 2018 23:49

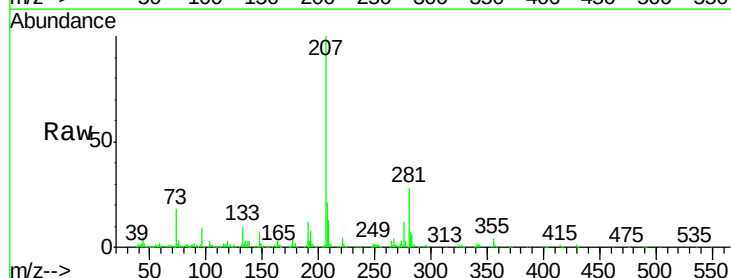
Tgt Ion:276 Resp: 83782

Ion Ratio Lower Upper

276 100

138 25.3 8.5 12.7#

277 25.0 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

