

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
 Data File : BM014400.D
 Acq On : 28 Feb 2018 12:48
 Operator : SJ/JU
 Sample : J1646-17
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE5Y1

Quant Time: Feb 28 15:54:50 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Feb 28 12:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	109930	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	457937	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	261025	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	532845	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	519887	20.00	ng/ul	0.00
83) Perylene-d12	23.34	264	508535	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	9142	3.56	ng/uL	0.00
5) Phenol-d5	6.72	99	184557	19.86	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.87	67	117688	20.93	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	156965	22.03	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	157375	19.36	ng/ul	0.00
19) Nitrobenzene-d5	8.67	128	77364	22.86	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	87168	24.89	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.93	165	157037	21.65	ng/ul	0.00
29) 4-Chloroaniline-d4	10.45	131	120322	16.83	ng/ul	0.00
43) Dimethylphthalate-d6	13.60	166	506202	23.48	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	667410	25.11	ng/ul	0.00
51) 4-Nitrophenol-d4	14.43	143	944	0.32	ng/ul	0.00
57) Fluorene-d10	15.18	176	445191	23.05	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.35	200	12358	3.87	ng/ul	0.01
70) Anthracene-d10	17.04	188	655343	25.49	ng/ul	0.00
76) Pyrene-d10	19.34	212	692603	25.83	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.20	264	622637	25.16	ng/ul	0.02

Target Compounds

					Ovalue	
4) Benzaldehyde	6.69	77	15126	3.993	ng/ul#	90
6) Phenol	6.75	94	34095	3.497	ng/ul#	85
16) 4-Methylphenol	8.30	108	41440	5.100	ng/ul	90
28) Naphthalene	10.34	128	125777	5.348	ng/ul	96
34) 2-Methylnaphthalene	11.96	142	60892	3.401	ng/ul	88
44) Dimethylphthalate	13.65	163	118379	5.569	ng/ul	99
47) Acenaphthylene	13.90	152	37199	1.481	ng/ul#	90
56) Diethylphthalate	15.02	149	67042	2.830	ng/ul	94
58) Fluorene	15.24	166	28745	1.255	ng/ul#	90
69) Phenanthrene	16.98	178	463061	15.083	ng/ul	97
71) Anthracene	17.07	178	121726	3.943	ng/ul	99
72) Carbazole	17.36	167	41662	1.605	ng/ul	96
74) Fluoranthene	19.01	202	919443	25.067	ng/ul#	92
77) Pyrene	19.38	202	868777	25.145	ng/ul#	94
80) Benzo(a)anthracene	21.14	228	551457	16.996	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.15	149	38336	1.874	ng/ul	92
82) Chrysene	21.19	228	569210	18.806	ng/ul	97
85) Benzo(b)fluoranthene	22.69	252	769033	22.585	ng/ul#	94
86) Benzo(k)fluoranthene	22.69	252	769033	23.755	ng/ul#	92
88) Benzo(a)pyrene	23.24	252	591367	19.435	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	25.51	276	427115	14.466	ng/ul	93
90) Dibenzo(a,h)anthracene	25.51	278	112116	4.570	ng/ul#	79
91) Benzo(g,h,i)perylene	26.17	276	352940	14.756	ng/ul#	92

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Response via : Initial Calibration

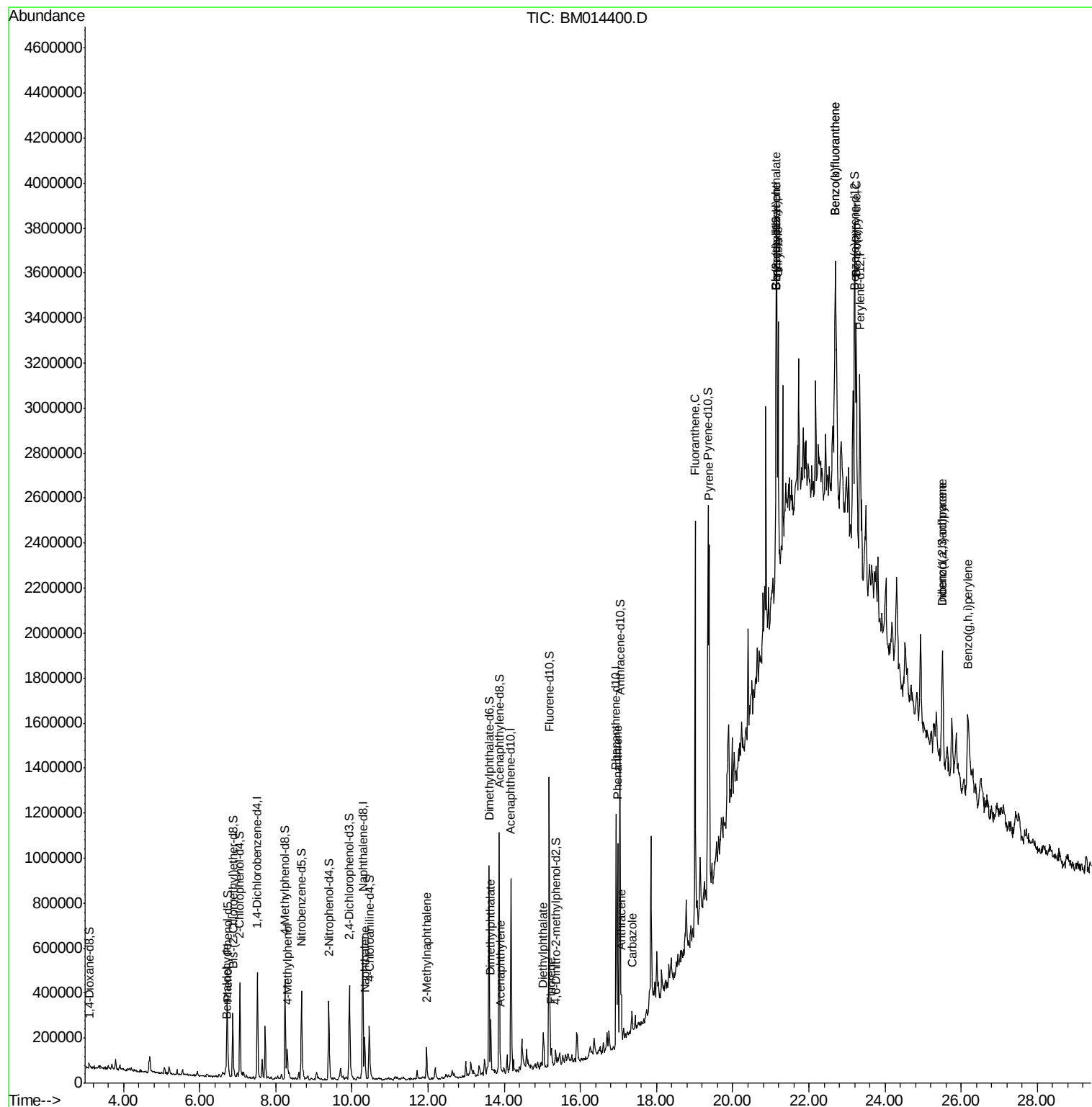
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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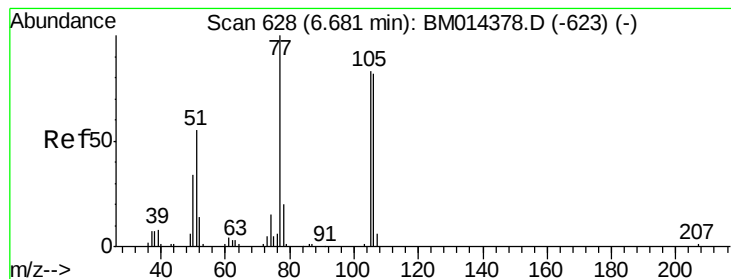
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 3.993 ng/ul

RT: 6.69 min Scan# 630

Delta R.T. 0.01 min

Lab File: BM014400.D

Acq: 28 Feb 2018 12:48

Instrument :

BNA_M

ClientSampled :

BE5Y1

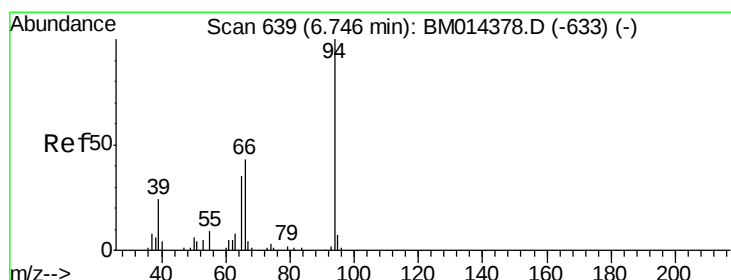
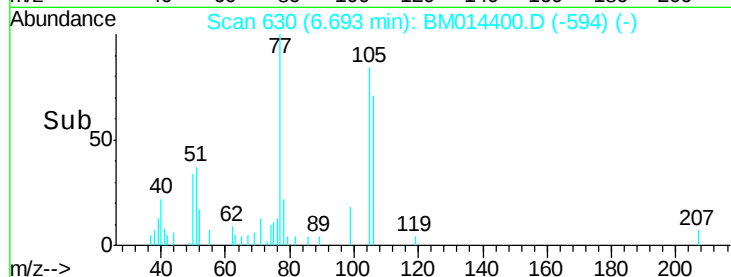
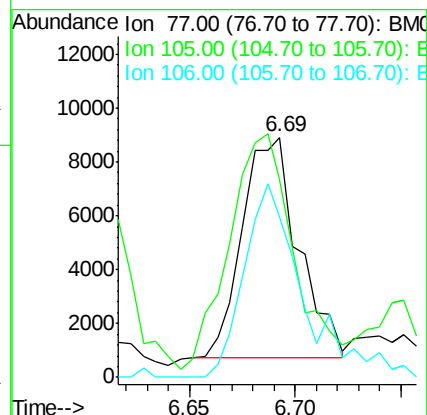
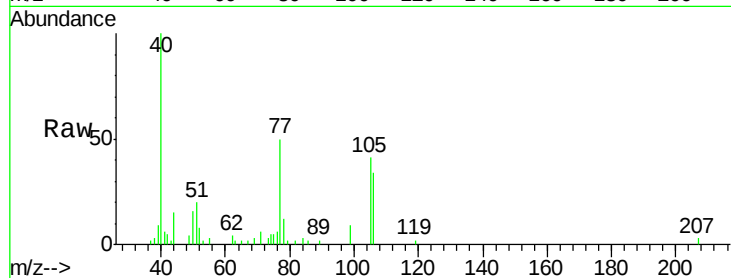
Tot Ion: 77 Resp: 15126

Ion Ratio Lower Upper

77 100

105 82.2 66.1 99.1

106 66.7 67.8 101.6#



#6

Phenol

Concen: 3.497 ng/ul

RT: 6.75 min Scan# 640

Delta R.T. 0.01 min

Lab File: BM014400.D

Acq: 28 Feb 2018 12:48

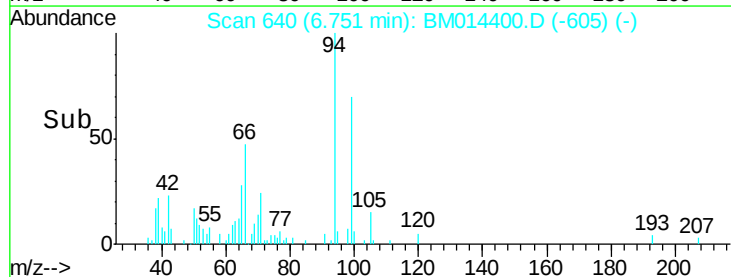
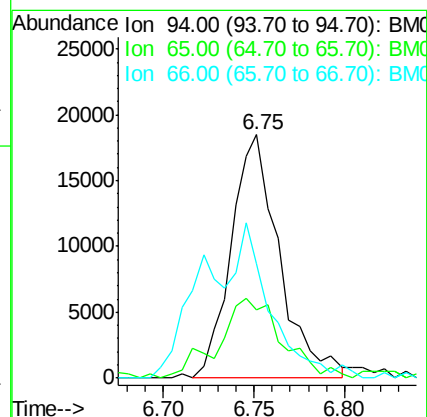
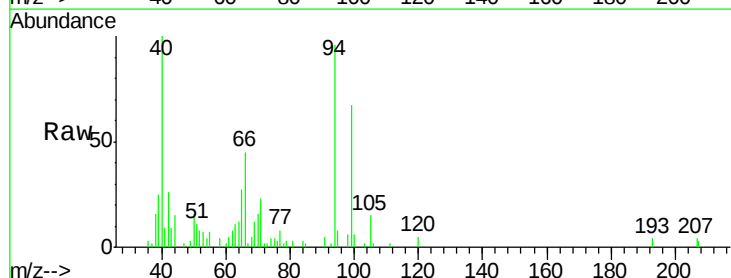
Tgt Ion: 94 Resp: 34095

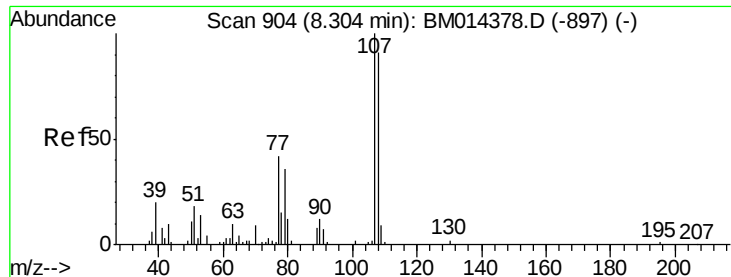
Ion Ratio Lower Upper

94 100

65 28.2 28.2 42.4#

66 46.9 47.2 70.8#





#16

4-Methylphenol

Concen: 5.100 ng/ul

RT: 8.30 min Scan# 903

Delta R.T. -0.01 min

Lab File: BM014400.D

Acq: 28 Feb 2018 12:48

Instrument :

BNA_M

ClientSampleId :

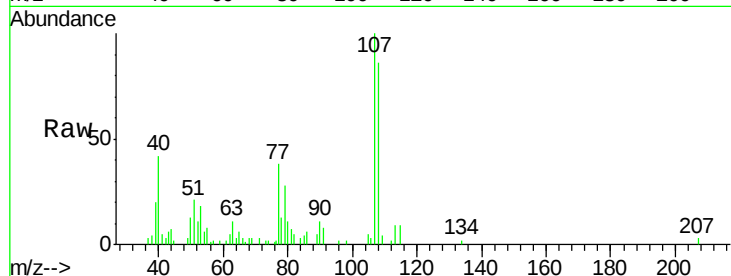
BE5Y1

Tot Ion:108 Resp: 41440

Ion Ratio Lower Upper

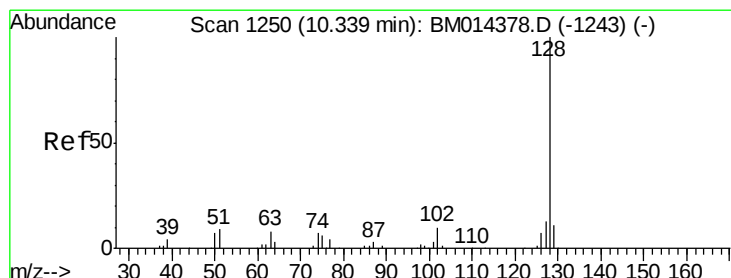
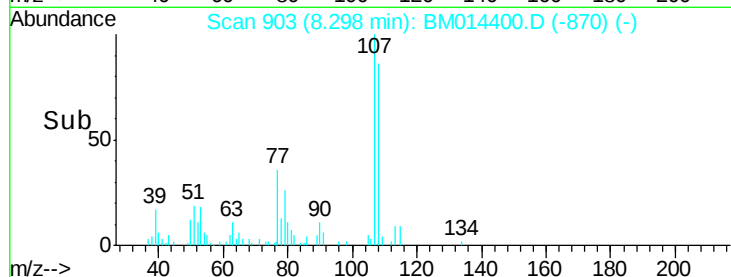
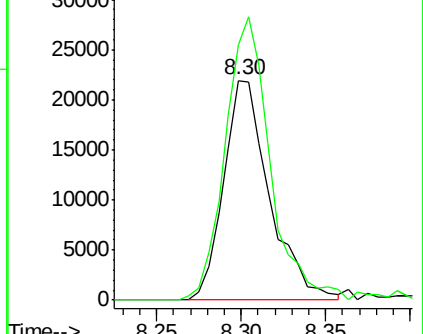
108 100

107 116.2 84.9 127.3



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E



#28

Naphthalene

Concen: 5.348 ng/ul

RT: 10.34 min Scan# 1250

Delta R.T. 0.00 min

Lab File: BM014400.D

Acq: 28 Feb 2018 12:48

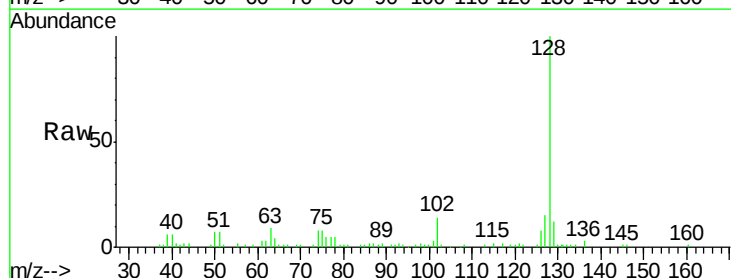
Tgt Ion:128 Resp: 125777

Ion Ratio Lower Upper

128 100

129 12.0 8.8 13.2

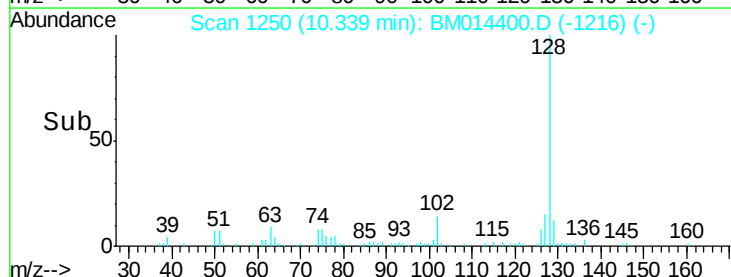
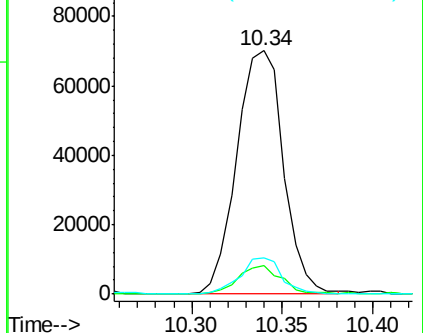
127 15.1 10.6 16.0

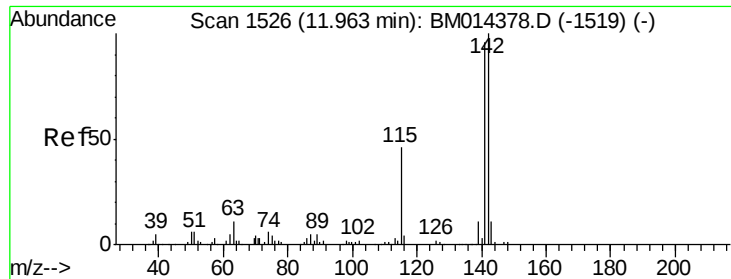


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

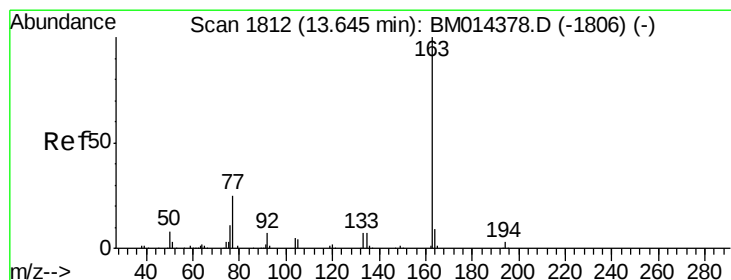
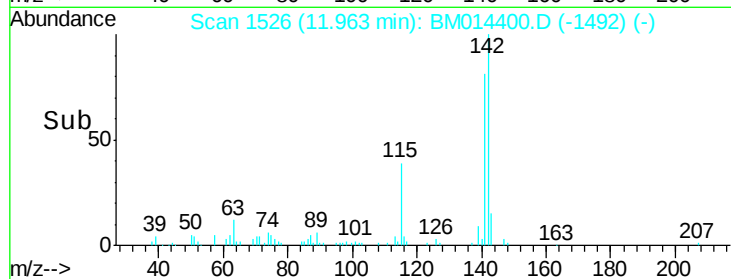
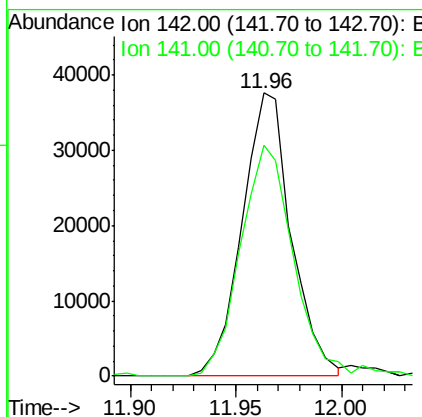
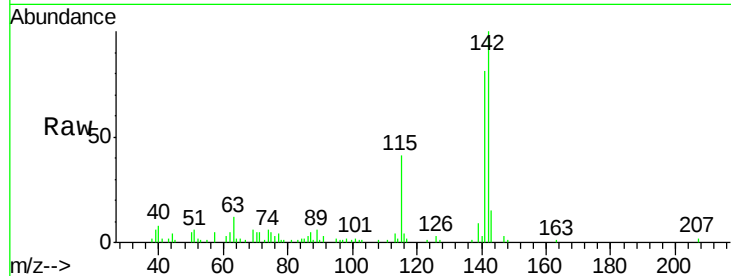




#34
2-Methylnaphthalene
Concen: 3.401 ng/ul
RT: 11.96 min Scan# 1526
Delta R.T. 0.00 min
Lab File: BM014400.D
Acq: 28 Feb 2018 12:48

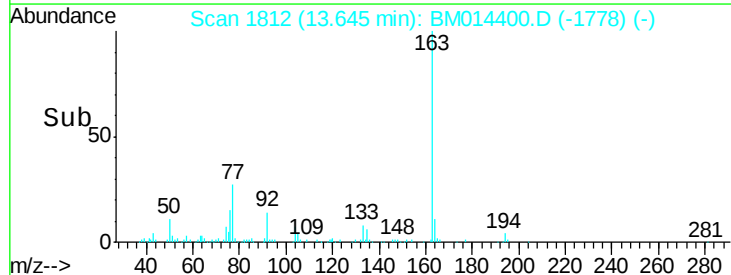
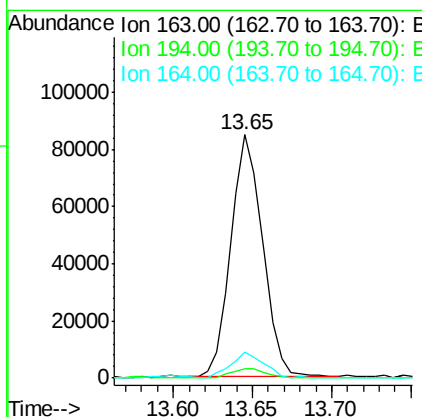
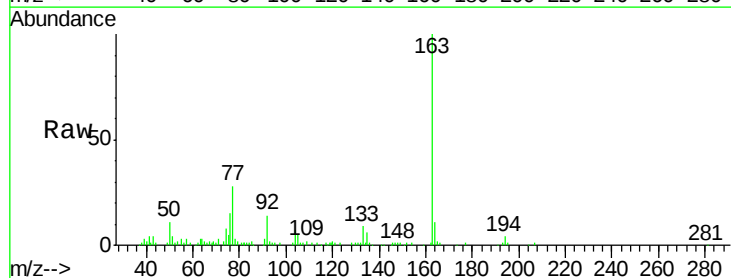
Instrument :
BNA_M
ClientSampleId :
BE5Y1

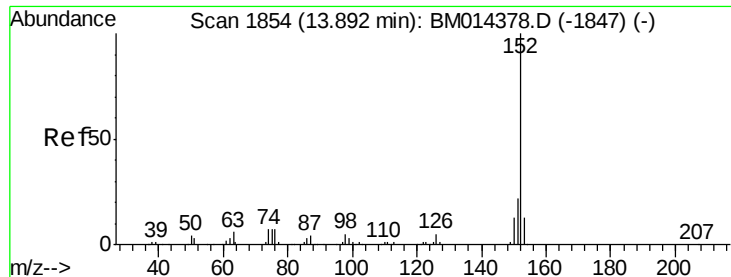
Tot Ion:142 Resp: 60892
Ion Ratio Lower Upper
142 100
141 81.5 74.1 111.1



#44
Dimethylphthalate
Concen: 5.569 ng/ul
RT: 13.65 min Scan# 1812
Delta R.T. -0.00 min
Lab File: BM014400.D
Acq: 28 Feb 2018 12:48

Tgt Ion:163 Resp: 118379
Ion Ratio Lower Upper
163 100
194 4.1 3.5 5.3
164 10.6 8.2 12.4





#47

Acenaphthylene

Concen: 1.481 ng/ul

RT: 13.90 min Scan# 1855

Delta R.T. 0.01 min

Lab File: BM014400.D

Acq: 28 Feb 2018 12:48

Instrument :

BNA_M

ClientSampled :

BE5Y1

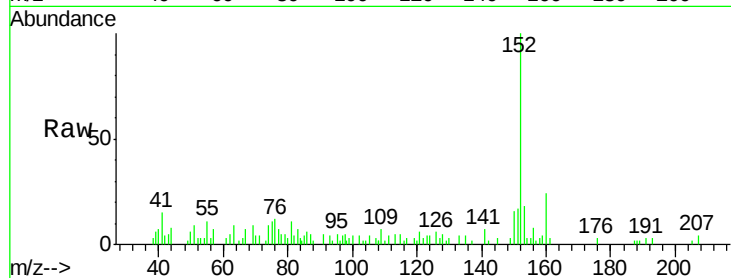
Tot Ion:152 Resp: 37199

Ion Ratio Lower Upper

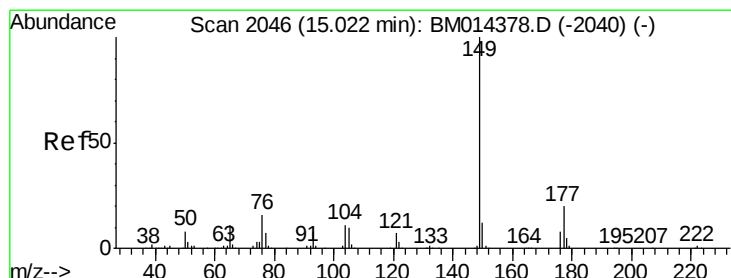
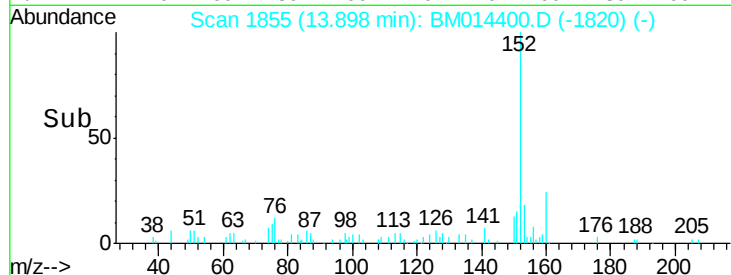
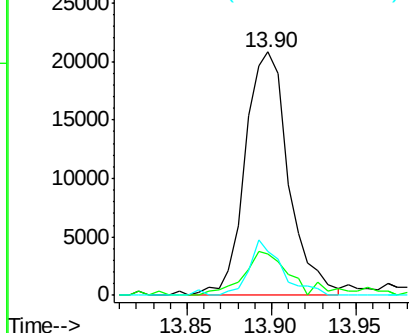
152 100

151 16.9 16.3 24.5

153 17.8 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



#56

Diethylphthalate

Concen: 2.830 ng/ul

RT: 15.02 min Scan# 2046

Delta R.T. 0.00 min

Lab File: BM014400.D

Acq: 28 Feb 2018 12:48

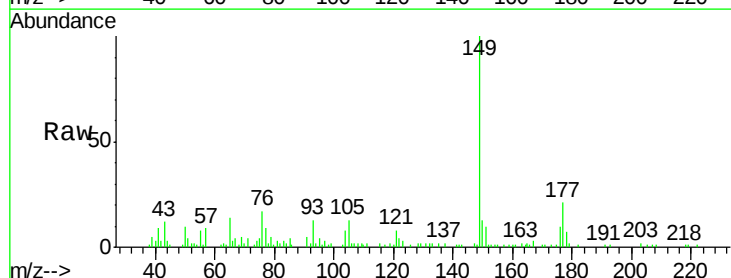
Tgt Ion:149 Resp: 67042

Ion Ratio Lower Upper

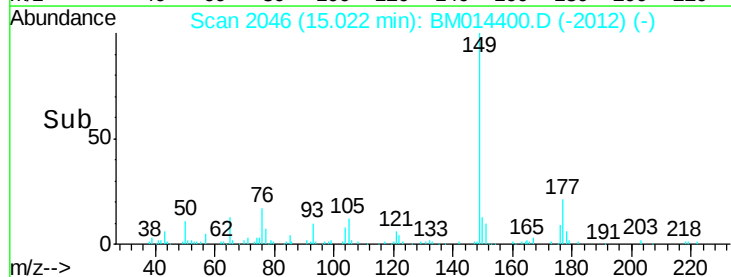
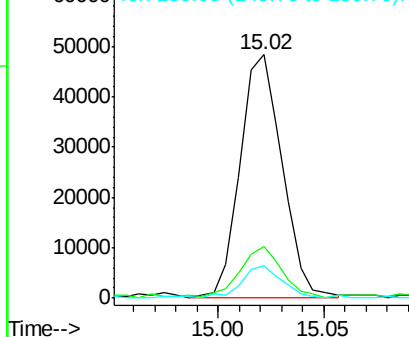
149 100

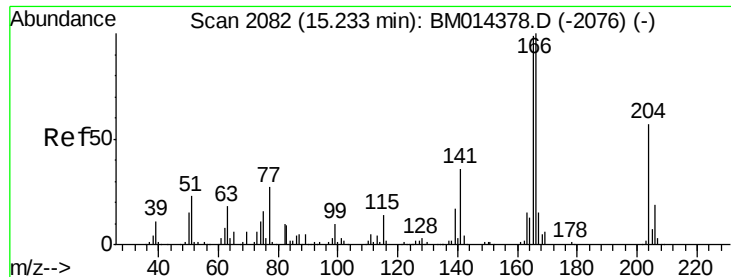
177 21.4 20.5 30.7

150 13.1 10.6 15.8



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E





#58

Fluorene

Concen: 1.255 ng/ul

RT: 15.24 min Scan# 2083

Delta R.T. 0.01 min

Lab File: BM014400.D

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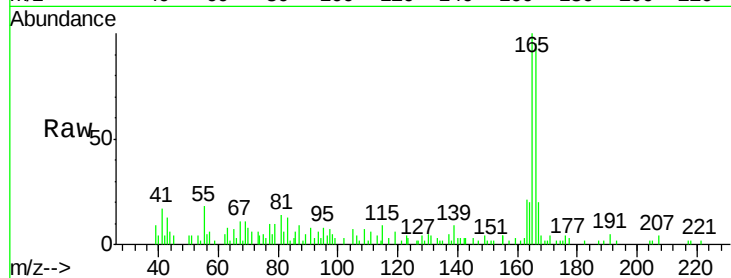
Tot Ion:166 Resp: 28745

Ion Ratio Lower Upper

166 100

165 105.5 77.9 116.9

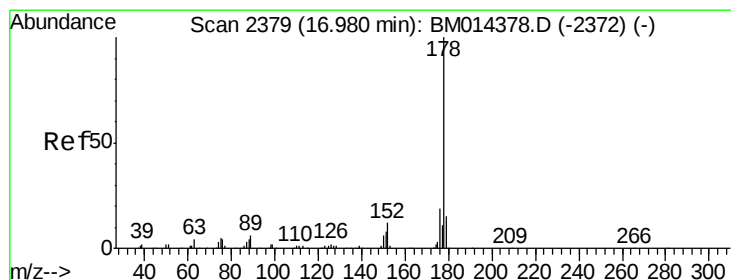
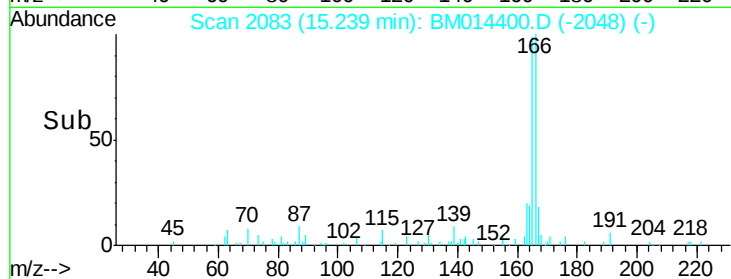
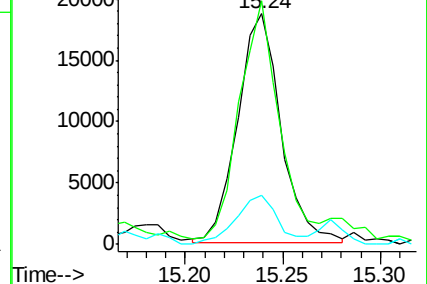
167 21.3 10.6 16.0#



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



#69

Phenanthrene

Concen: 15.083 ng/ul

RT: 16.98 min Scan# 2379

Delta R.T. 0.00 min

Lab File: BM014400.D

Acq: 28 Feb 2018 12:48

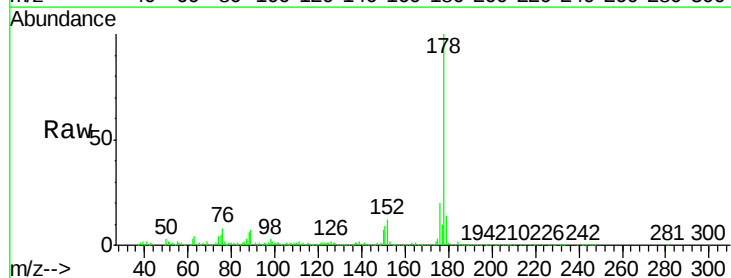
Tgt Ion:178 Resp: 463061

Ion Ratio Lower Upper

178 100

179 14.4 12.6 19.0

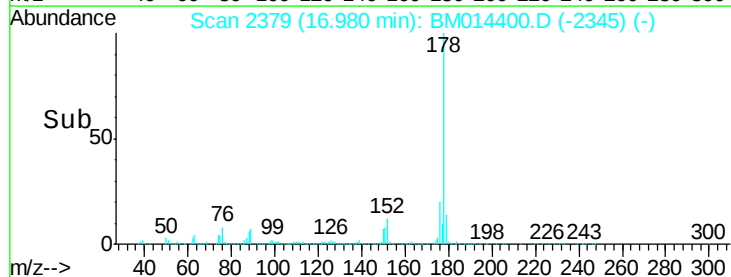
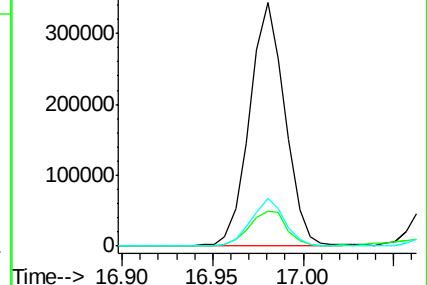
176 19.8 14.9 22.3

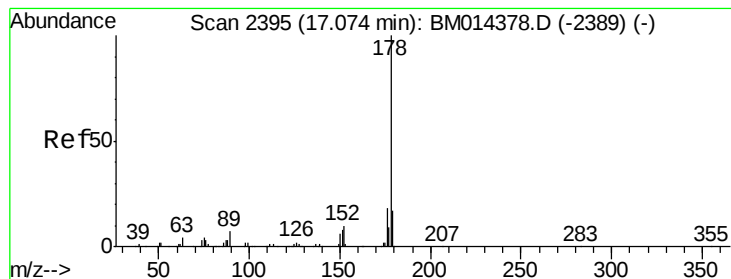


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 3.943 ng/ul

RT: 17.07 min Scan# 2395

Delta R.T. 0.00 min

Lab File: BM014400.D

Acq: 28 Feb 2018 12:48

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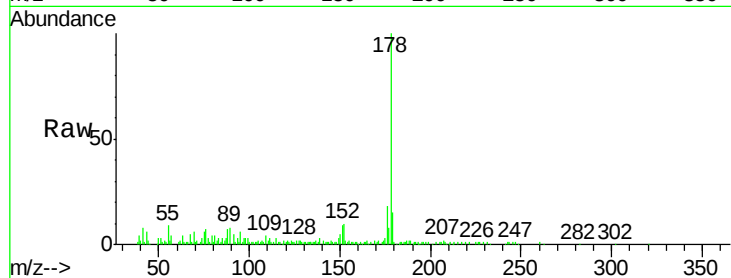
Tot Ion:178 Resp: 121726

Ion Ratio Lower Upper

178 100

179 15.3 11.7 17.5

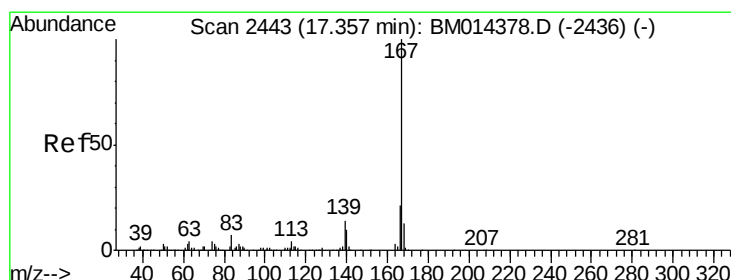
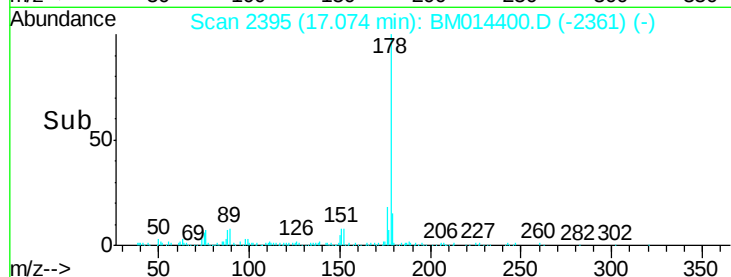
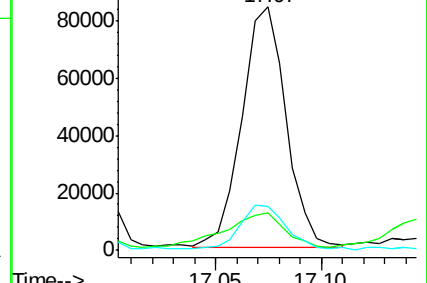
176 17.9 14.6 21.8



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: 1.605 ng/ul

RT: 17.36 min Scan# 2443

Delta R.T. 0.00 min

Lab File: BM014400.D

Acq: 28 Feb 2018 12:48

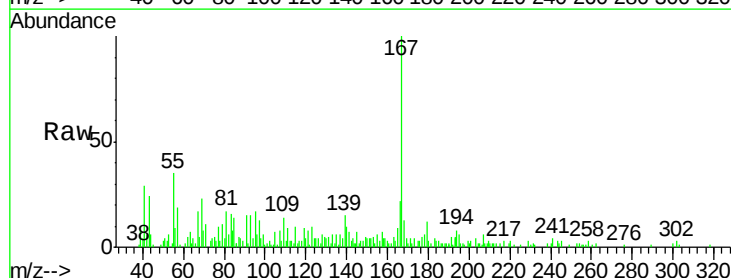
Tgt Ion:167 Resp: 41662

Ion Ratio Lower Upper

167 100

166 22.5 17.1 25.7

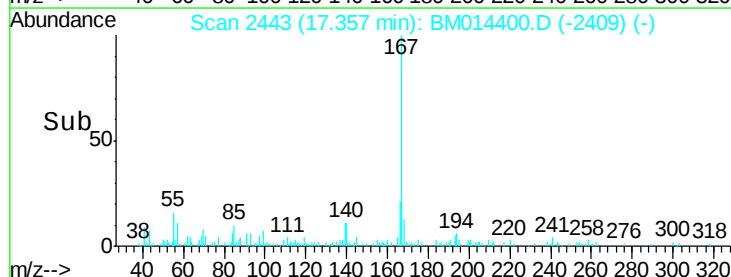
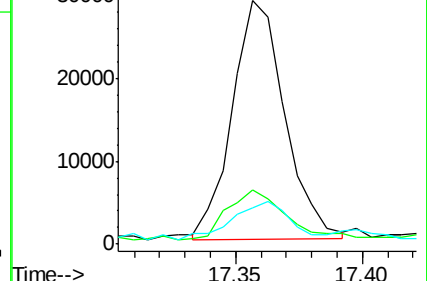
139 14.7 10.0 15.0

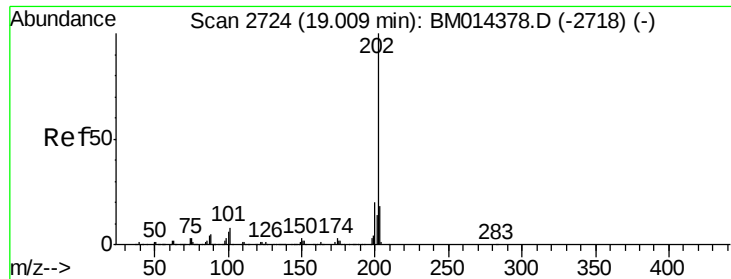


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 25.067 ng/ul

RT: 19.01 min Scan# 2724

Delta R.T. 0.00 min

Lab File: BM014400.D

Acq: 28 Feb 2018 12:48

Instrument :

BNA_M

ClientSampleId :

BE5Y1

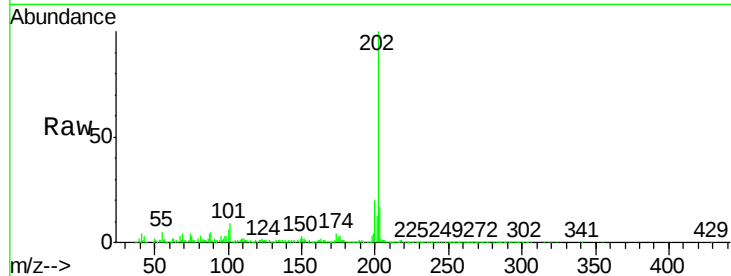
Tot Ion:202 Resp: 919443

Ion Ratio Lower Upper

202 100

101 9.1 4.6 7.0#

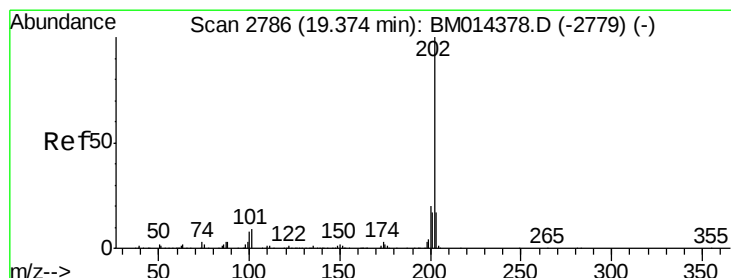
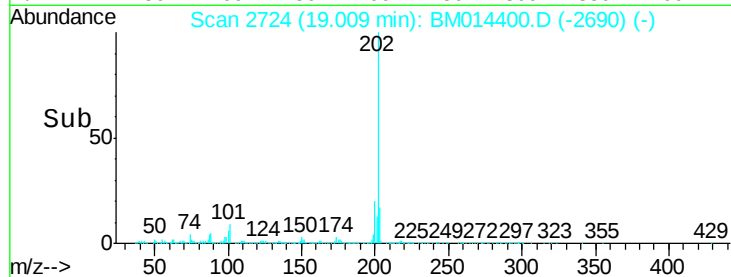
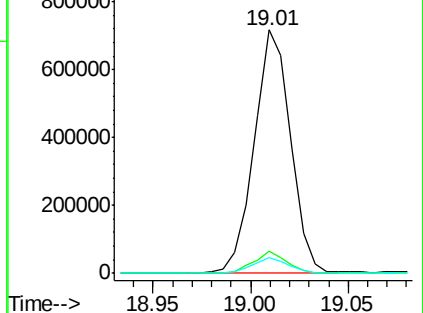
100 6.2 3.4 5.2#



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: 25.145 ng/ul

RT: 19.38 min Scan# 2787

Delta R.T. 0.01 min

Lab File: BM014400.D

Acq: 28 Feb 2018 12:48

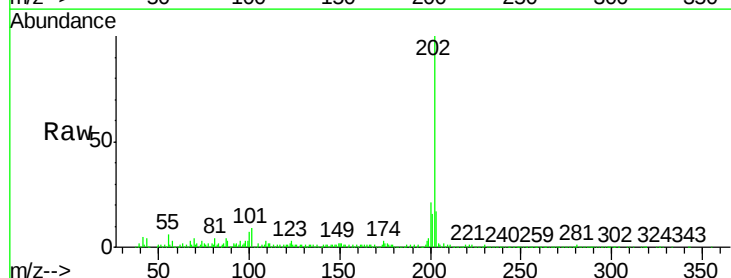
Tgt Ion:202 Resp: 868777

Ion Ratio Lower Upper

202 100

101 8.9 5.1 7.7#

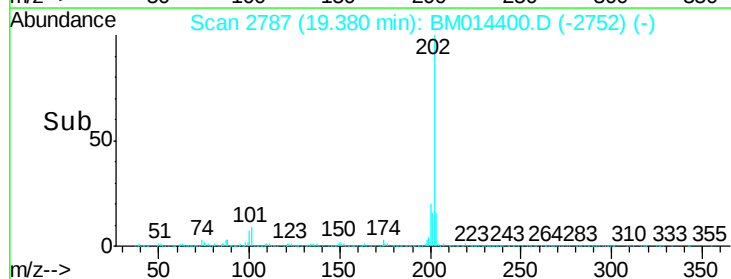
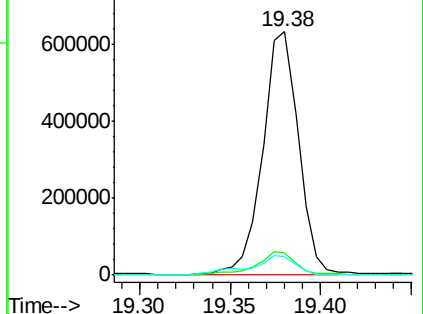
100 7.4 4.9 7.3#

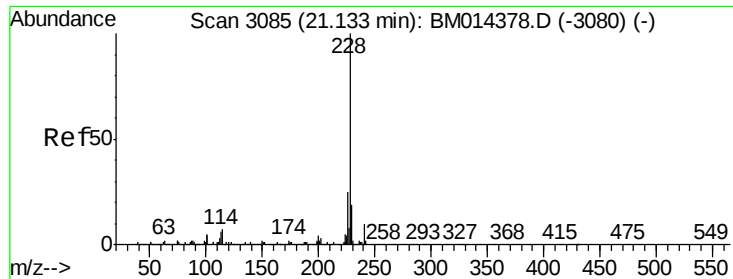


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 16.996 ng/ul

RT: 21.14 min Scan# 3086

Delta R.T. 0.01 min

Lab File: BM014400.D

Acq: 28 Feb 2018 12:48

Instrument :

BNA_M

ClientSampled :

BE5Y1

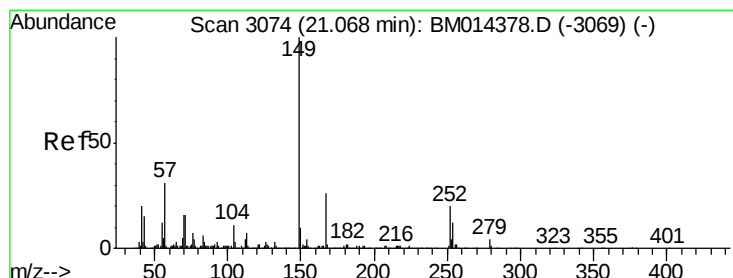
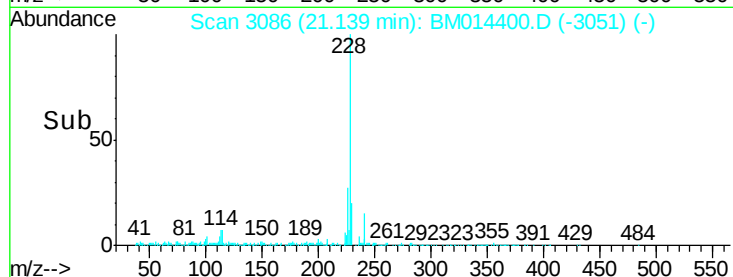
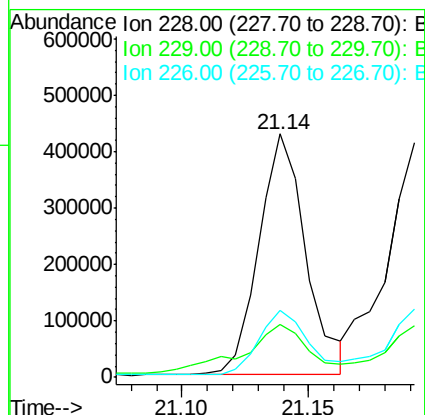
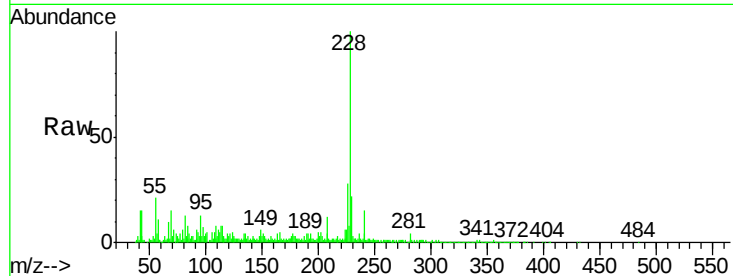
Tot Ion:228 Resp: 551457

Ion Ratio Lower Upper

228 100

229 21.7 15.4 23.0

226 27.6 21.4 32.0



#81

Bis(2-ethylhexyl)phthalate

Concen: 1.874 ng/ul

RT: 21.15 min Scan# 3088

Delta R.T. 0.08 min

Lab File: BM014400.D

Acq: 28 Feb 2018 12:48

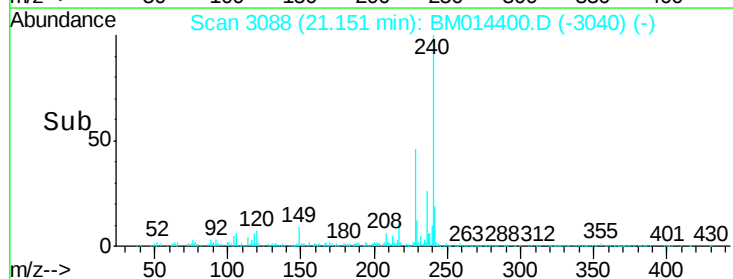
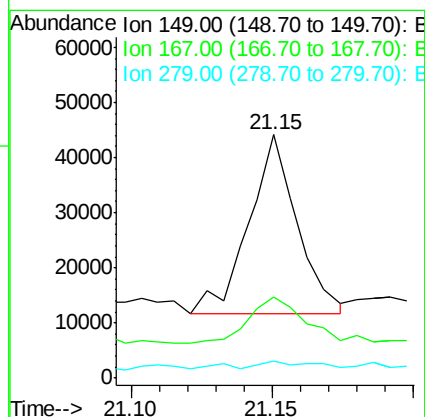
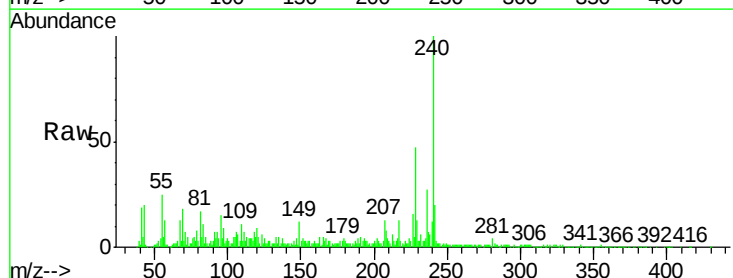
Tgt Ion:149 Resp: 38336

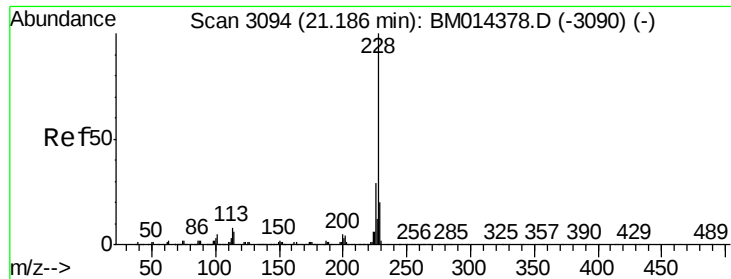
Ion Ratio Lower Upper

149 100

167 33.4 22.8 34.2

279 6.8 4.9 7.3





#82

Chrysene

Concen: 18.806 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. 0.01 min

Lab File: BM014400.D

Acq: 28 Feb 2018 12:48

Instrument :

BNA_M

ClientSampled :

BE5Y1

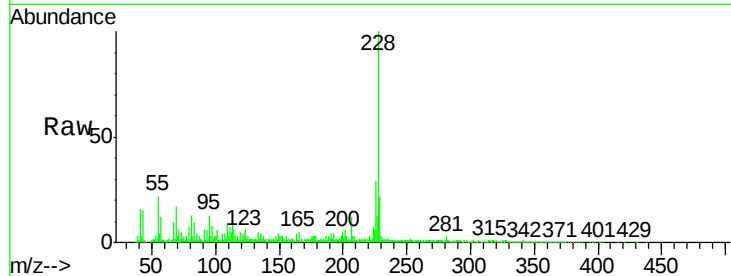
Tot Ion:228 Resp: 569210

Ion Ratio Lower Upper

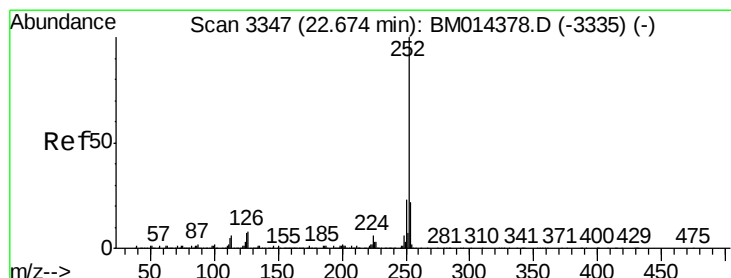
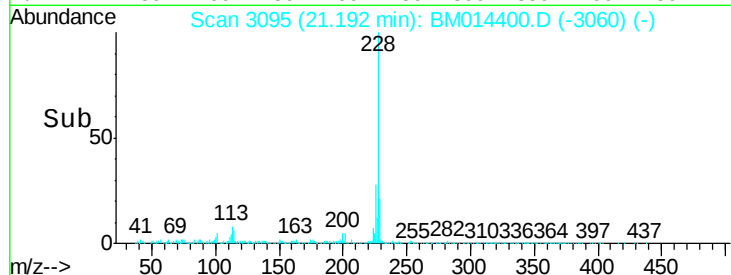
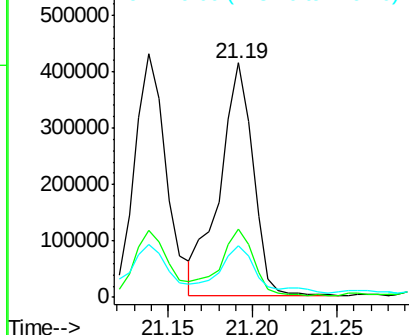
228 100

226 28.9 23.4 35.2

229 21.9 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: 22.585 ng/ul

RT: 22.69 min Scan# 3350

Delta R.T. 0.02 min

Lab File: BM014400.D

Acq: 28 Feb 2018 12:48

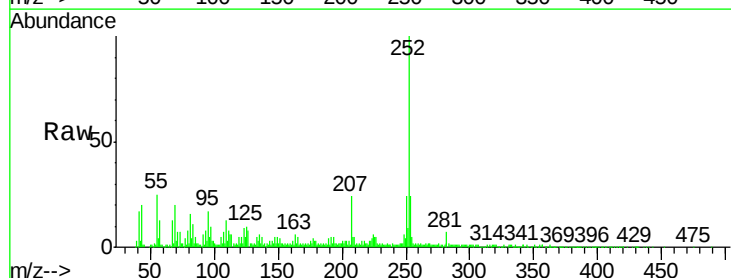
Tgt Ion:252 Resp: 769033

Ion Ratio Lower Upper

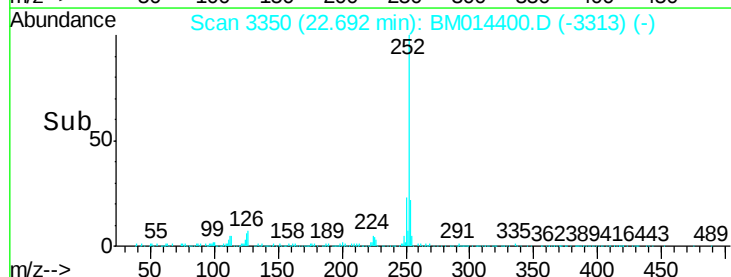
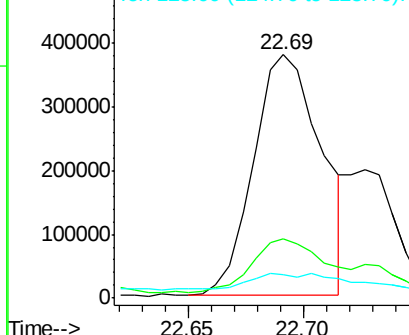
252 100

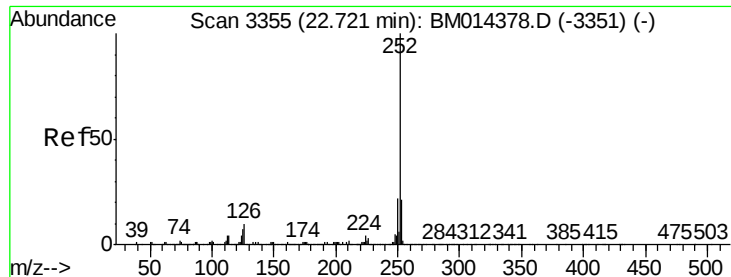
253 24.4 17.9 26.9

125 9.7 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: 23.755 ng/ul

RT: 22.69 min Scan# 3350

Delta R.T. -0.03 min

Lab File: BM014400.D

Acq: 28 Feb 2018 12:48

Instrument :

BNA_M

ClientSampleId :

BE5Y1

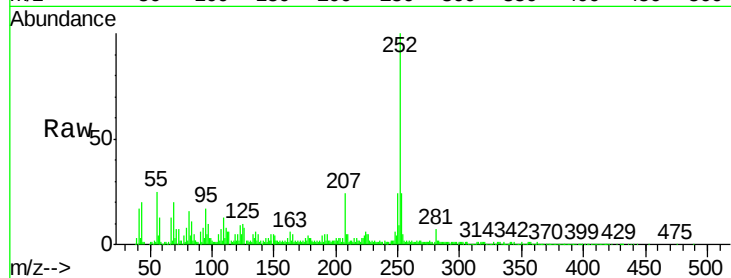
Tot Ion:252 Resp: 769033

Ion Ratio Lower Upper

252 100

253 24.4 17.1 25.7

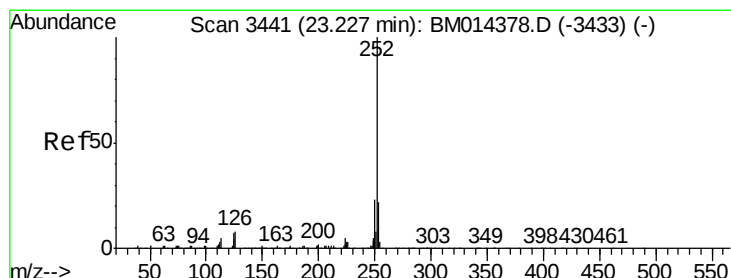
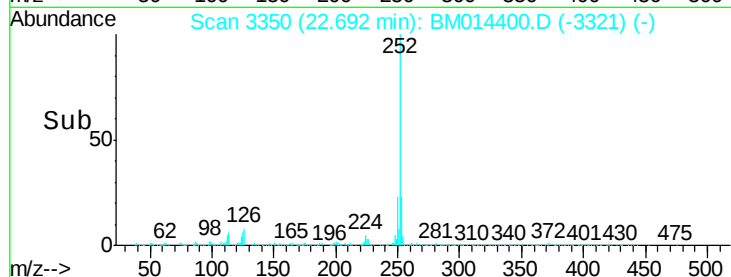
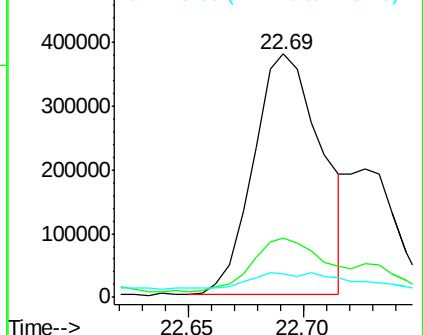
125 9.7 3.4 5.2#



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: 19.435 ng/ul

RT: 23.24 min Scan# 3444

Delta R.T. 0.02 min

Lab File: BM014400.D

Acq: 28 Feb 2018 12:48

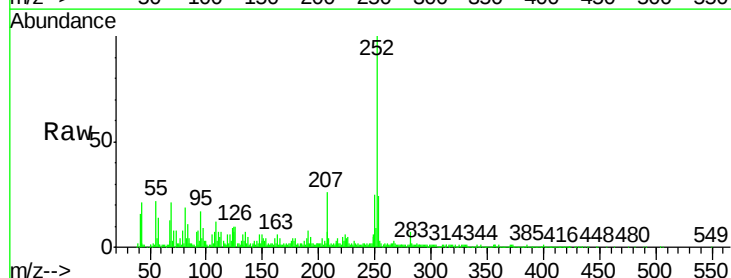
Tgt Ion:252 Resp: 591367

Ion Ratio Lower Upper

252 100

253 23.8 18.2 27.2

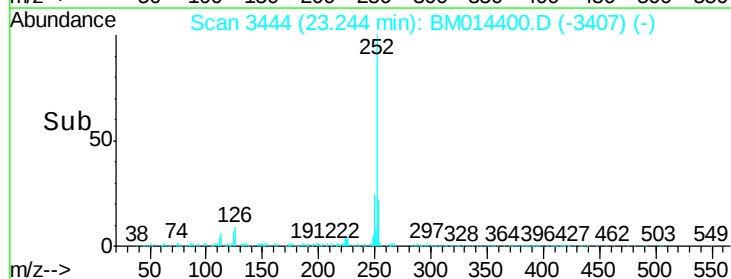
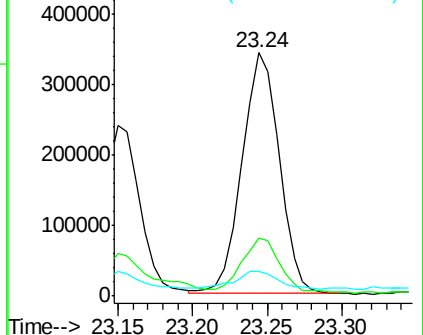
125 10.3 4.0 6.0#

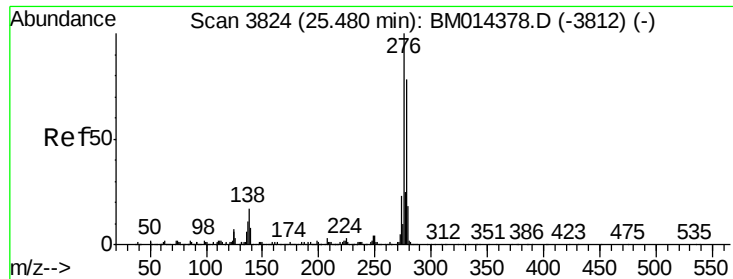


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



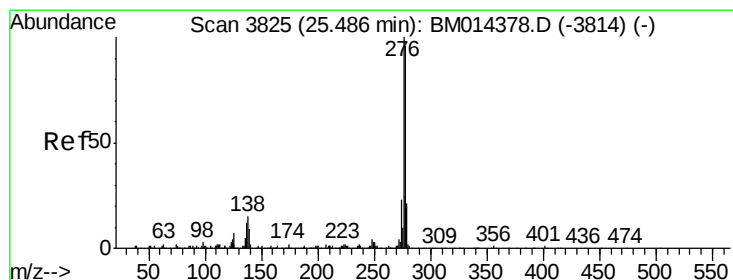
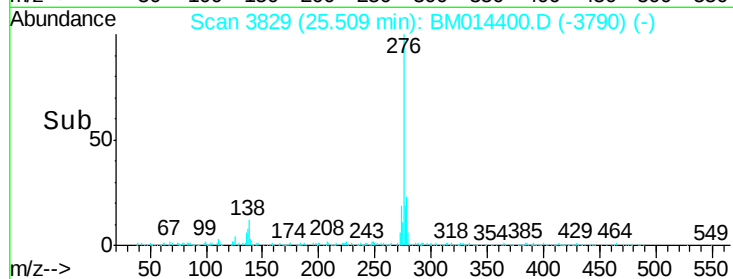
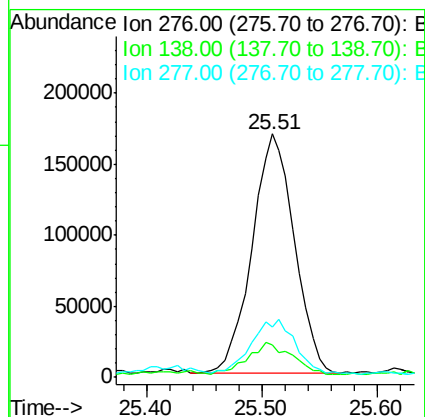
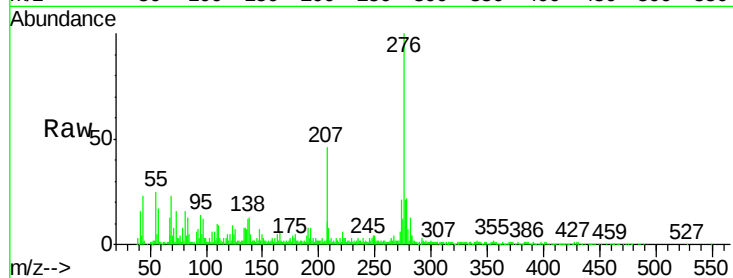


#89

Indeno(1,2,3-cd)pyrene
Concen: 14.466 ng/ul
RT: 25.51 min Scan# 3829
Delta R.T. 0.03 min
Lab File: BM014400.D
Acq: 28 Feb 2018 12:48

Instrument :
BNA_M
ClientSampleId :
BE5Y1

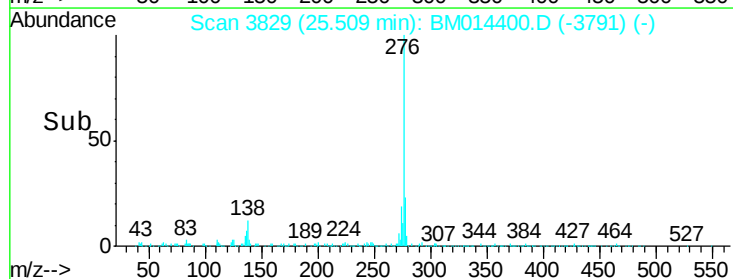
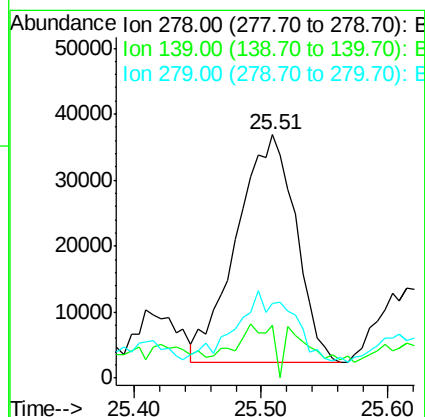
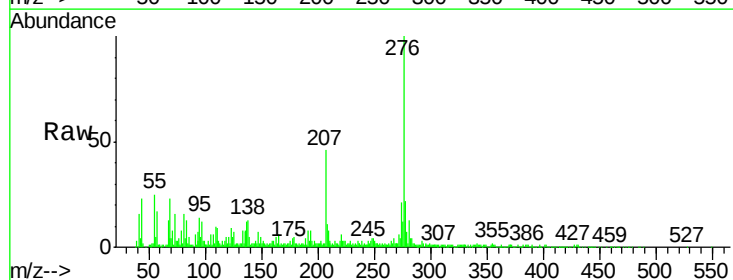
Tot Ion	Ratio	Lower	Upper
276	100		
138	13.2	9.3	13.9
277	20.6	19.9	29.9

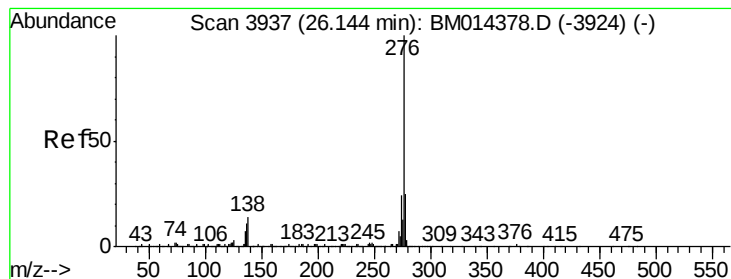


#90

Dibenzo(a,h)anthracene
Concen: 4.570 ng/ul
RT: 25.51 min Scan# 3829
Delta R.T. 0.02 min
Lab File: BM014400.D
Acq: 28 Feb 2018 12:48

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.6	5.8	8.8#
279	30.4	18.6	27.8#





#91

Benzo(a,h,i)perylene

Concen: 14.756 ng/ul

RT: 26.17 min Scan# 3942

Delta R.T. 0.03 min

Lab File: BM014400.D

Acq: 28 Feb 2018 12:48

Instrument :

BNA_M

ClientSampleId :

BE5Y1

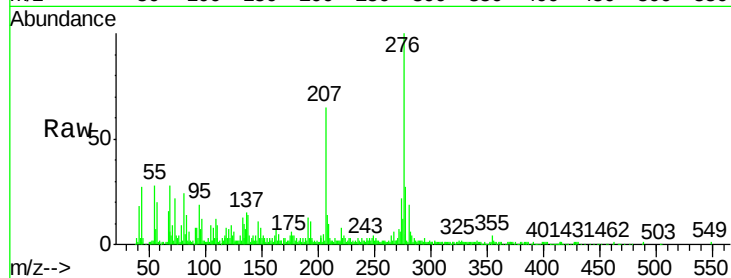
Tot Ion:276 Resp: 352940

Ion Ratio Lower Upper

276 100

138 14.4 8.5 12.7#

277 26.7 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

