

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110817\
 Data File : BM012841.D
 Acq On : 09 Nov 2017 03:41
 Operator : SJ/JU
 Sample : I5955-09
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-14(0-1)-101717

Quant Time: Nov 09 05:54:25 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Nov 09 05:48:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	173614	20.00	ng/ul	0.00
18) Naphthalene-d8	10.59	136	683143	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	364043	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.29	188	772572	20.00	ng/ul	0.10
77) Chrysene-d12	21.37	240	720233	20.00	ng/ul	0.00
85) Perylene-d12	23.66	264	825768	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.29	96	7752	2.41	ng/uL	0.00
5) Phenol-d5	6.97	99	252921	19.58	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	141771	20.25	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	225583	20.96	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	205538	18.43	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	108187	21.44	ng/ul	0.00
22) 2-Nitrophenol-d4	9.68	143	114536	19.83	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	236153	19.95	ng/ul	0.00
29) 4-Chloroaniline-d4	10.73	131	46686	4.09	ng/ul	0.00
43) Dimethylphthalate-d6	13.84	166	672602	22.33	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	826837	22.19	ng/ul	0.00
51) 4-Nitrophenol-d4	14.66	143	56951	11.80	ng/ul	0.00
57) Fluorene-d10	15.43	176	556978	21.59	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.57	200	12024	2.36	ng/ul	0.00
70) Anthracene-d10	17.29	188	772107	20.68	ng/ul	0.00
78) Pyrene-d10	19.58	212	781294	23.38	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.51	264	932664	23.89	ng/ul	0.01

Target Compounds

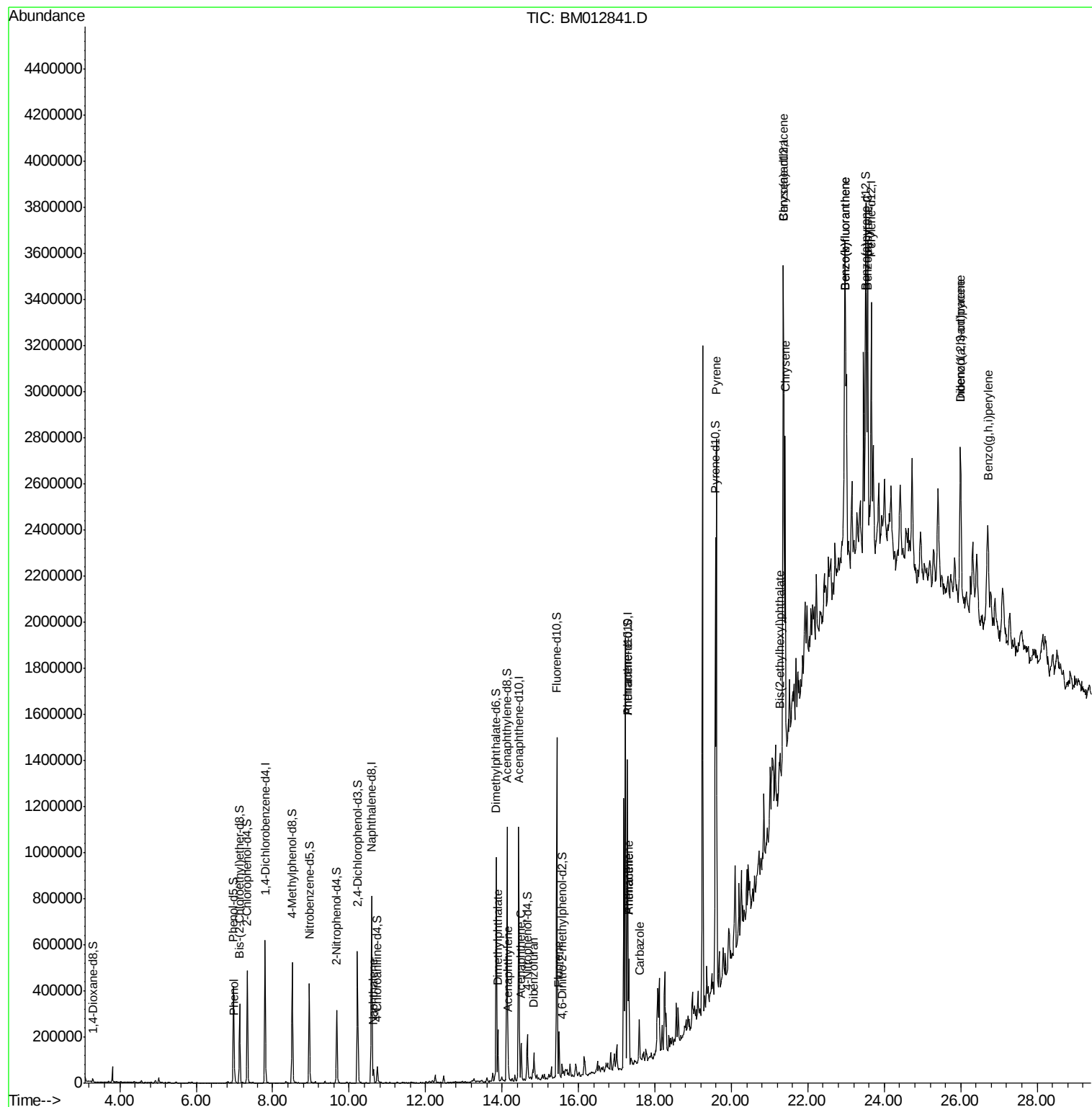
						Ovalue
6) Phenol	7.00	94	23881	1.80	ng/ul	96
28) Naphthalene	10.64	128	49227	1.44	ng/ul	97
44) Dimethylphthalate	13.89	163	137907	4.61	ng/ul#	99
47) Acenaphthylene	14.16	152	56913	1.58	ng/ul	98
49) Acenaphthene	14.50	153	68479	2.78	ng/ul	93
53) Dibenzofuran	14.84	168	61244	1.71	ng/ul	92
58) Fluorene	15.49	166	85419	2.87	ng/ul	99
69) Phenanthrene	17.32	178	294632	6.98	ng/ul	97
71) Anthracene	17.32	178	293777	6.71	ng/ul	98
74) Carbazole	17.59	167	109488	3.00	ng/ul	98
79) Pyrene	19.61	202	1448044	33.70	ng/ul#	92
82) Benzo(a)anthracene	21.36	228	885094	20.31	ng/ul	99
83) Bis(2-ethylhexyl)phthalate	21.27	149	25049	1.10	ng/ul#	80
84) Chrysene	21.40	228	827455	20.95	ng/ul	96
87) Benzo(b)fluoranthene	22.97	252	1256946	24.91	ng/ul	94
88) Benzo(k)fluoranthene	22.97	252	1256946	26.20	ng/ul	94
90) Benzo(a)pyrene	23.56	252	879497	18.32	ng/ul	96
91) Indeno(1,2,3-cd)pyrene	25.99	276	643078	11.11	ng/ul#	86
92) Dibenzo(a,h)anthracene	25.99	278	180749	3.69	ng/ul#	82
93) Benzo(g,h,i)perylene	26.71	276	578785	12.14	ng/ul#	90

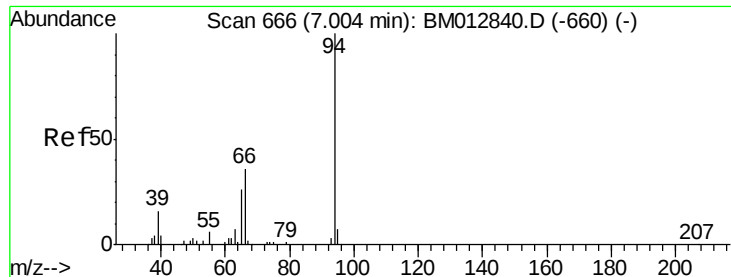
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 1.80 ng/ul

RT: 7.00 min Scan# 666

Delta R.T. 0.00 min

Lab File: BM012841.D

Acq: 09 Nov 2017 03:41

Instrument :

BNA_M

ClientSampleId :

B-14(0-1)-101717

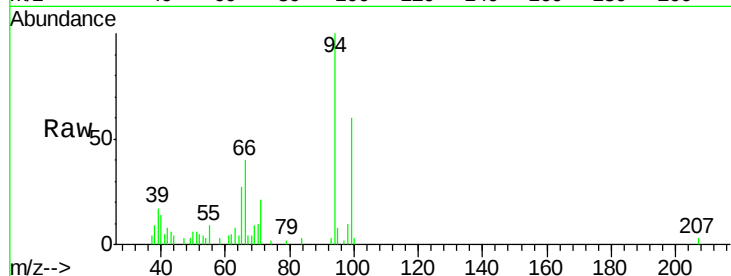
Tot Ion: 94 Resp: 23881

Ion Ratio Lower Upper

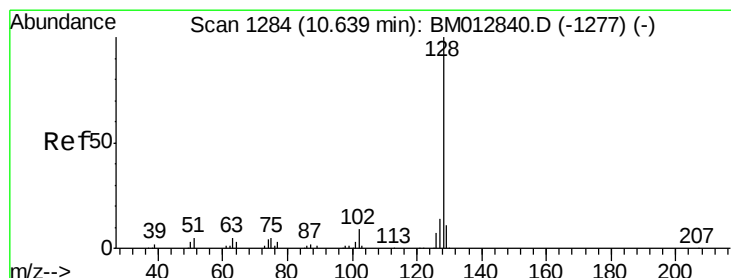
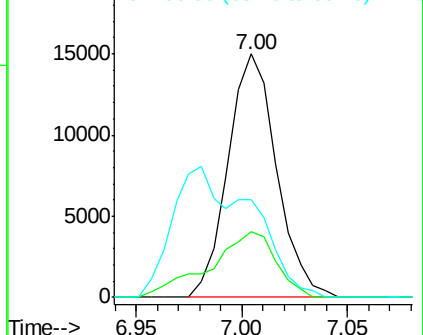
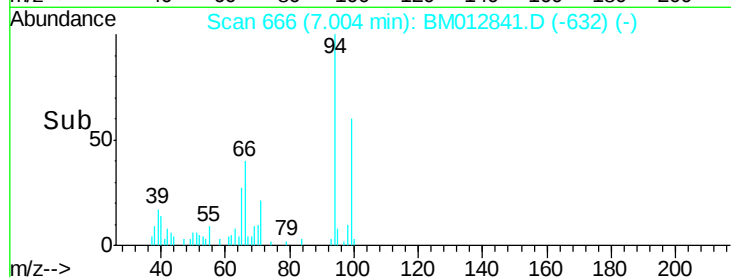
94 100

65 26.7 21.0 31.6

66 40.4 29.3 43.9



Abundance Ion 94.00 (93.70 to 94.70): BM012841.D (-632) (-)



#28

Naphthalene

Concen: 1.44 ng/ul

RT: 10.64 min Scan# 1284

Delta R.T. 0.00 min

Lab File: BM012841.D

Acq: 09 Nov 2017 03:41

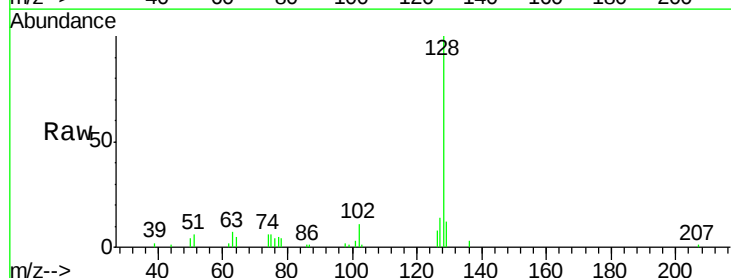
Tgt Ion: 128 Resp: 49227

Ion Ratio Lower Upper

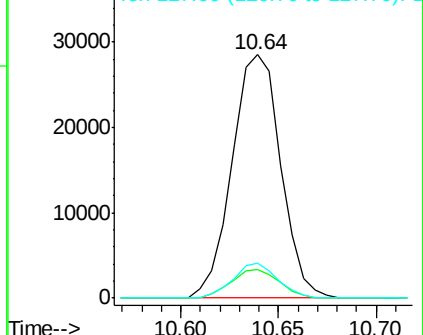
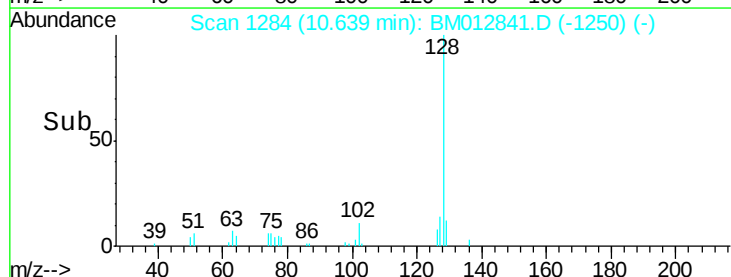
128 100

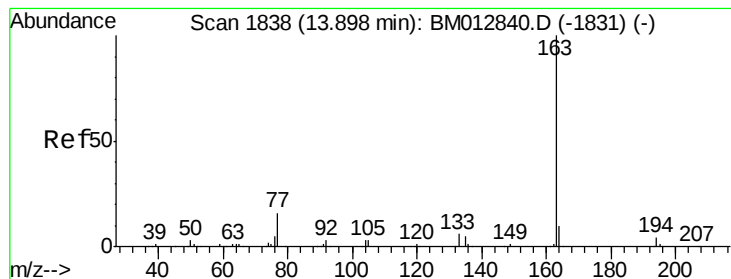
129 11.7 8.8 13.2

127 14.5 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): BM012841.D (-1250) (-)





#44

Dimethylphthalate

Concen: 4.61 ng/ul

RT: 13.89 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BM012841.D

Acq: 09 Nov 2017 03:41

Instrument :

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B-14(0-1)-101717

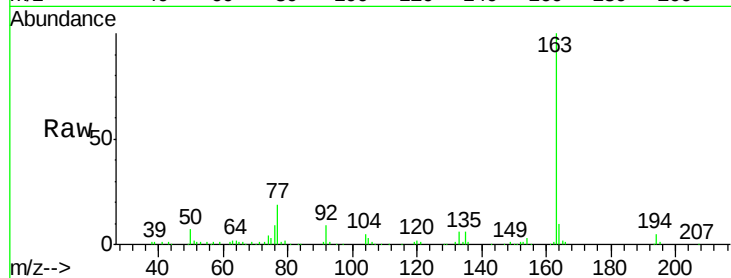
Tot Ion:163 Resp: 137907

Ion Ratio Lower Upper

163 100

194 5.0 3.2 4.8#

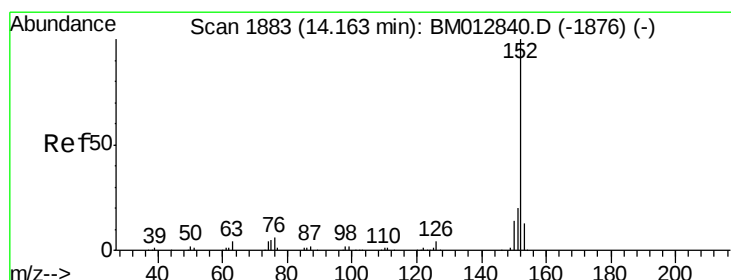
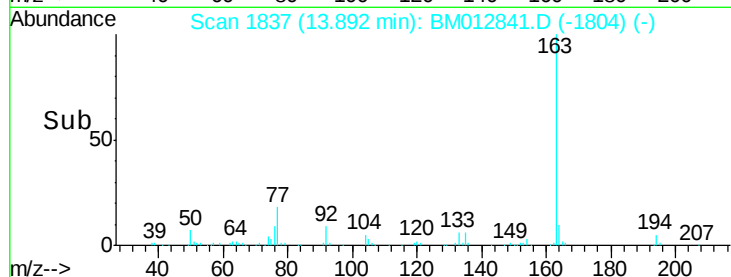
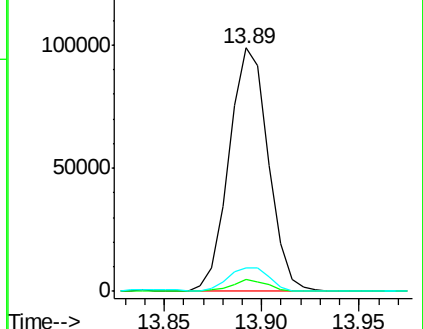
164 9.6 7.8 11.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#47

Acenaphthylene

Concen: 1.58 ng/ul

RT: 14.16 min Scan# 1883

Delta R.T. 0.00 min

Lab File: BM012841.D

Acq: 09 Nov 2017 03:41

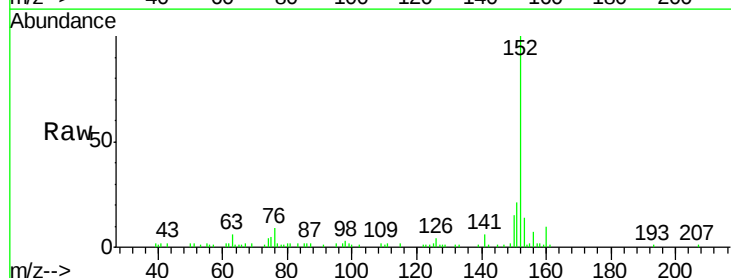
Tgt Ion:152 Resp: 56913

Ion Ratio Lower Upper

152 100

151 20.6 15.7 23.5

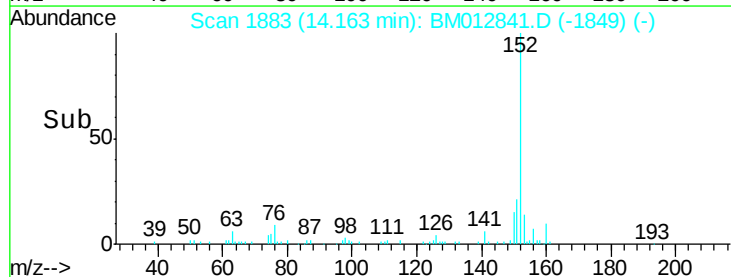
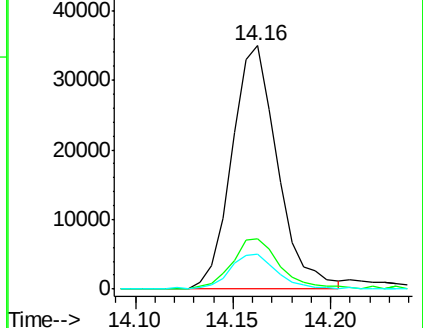
153 14.2 10.5 15.7

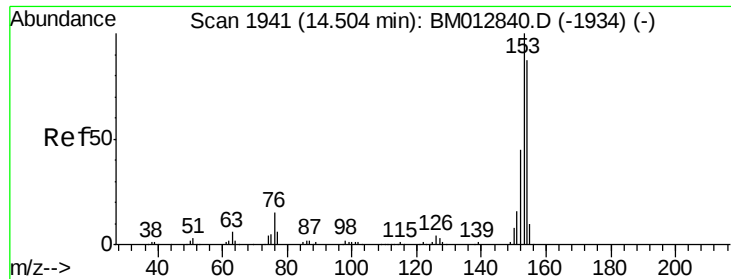


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 2.78 ng/ul

RT: 14.50 min Scan# 1940

Delta R.T. -0.01 min

Lab File: BM012841.D

Acq: 09 Nov 2017 03:41

Instrument :

BNA_M

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B-14(0-1)-101717

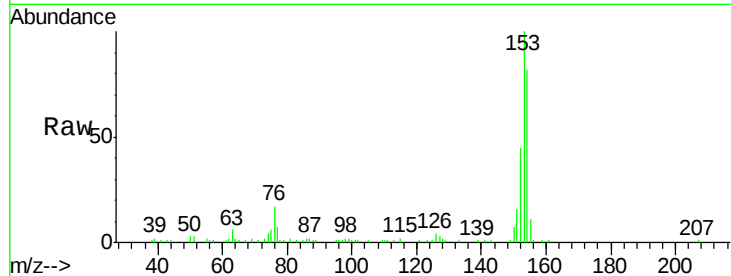
Tot Ion:153 Resp: 68479

Ion Ratio Lower Upper

153 100

152 44.7 38.3 57.5

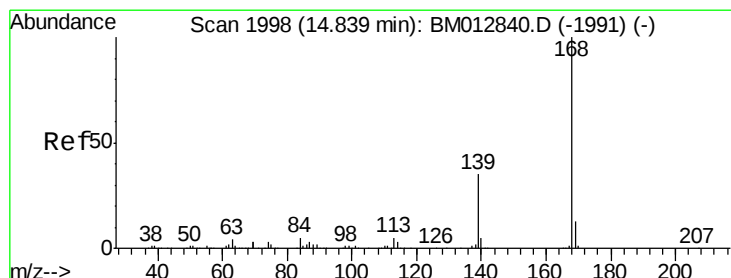
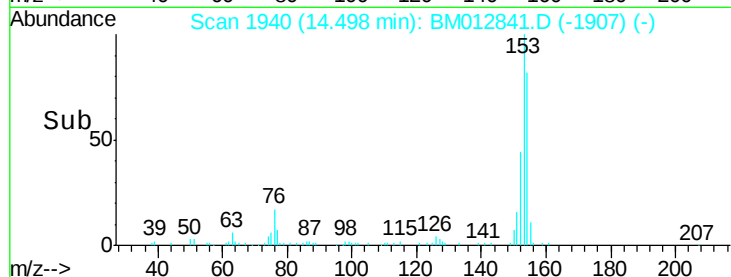
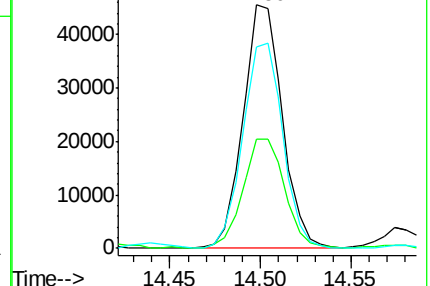
154 82.5 71.8 107.8



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 1.71 ng/ul

RT: 14.84 min Scan# 1998

Delta R.T. 0.00 min

Lab File: BM012841.D

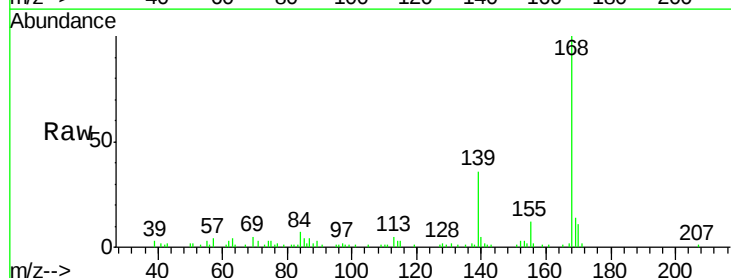
Acq: 09 Nov 2017 03:41

Tgt Ion:168 Resp: 61244

Ion Ratio Lower Upper

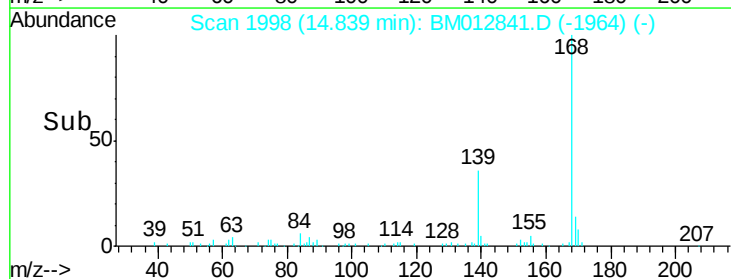
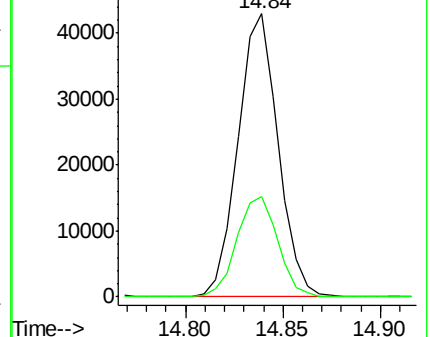
168 100

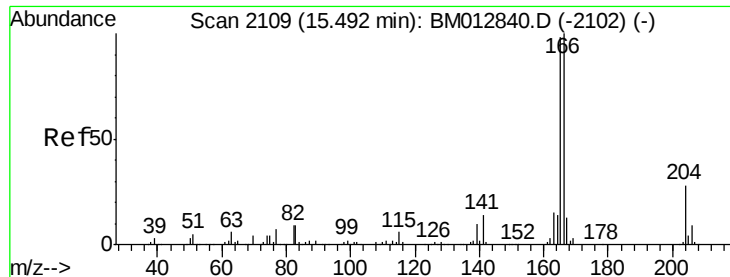
139 35.5 32.2 48.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 2.87 ng/ul

RT: 15.49 min Scan# 2108

Delta R.T. -0.01 min

Lab File: BM012841.D

Acq: 09 Nov 2017 03:41

Instrument :

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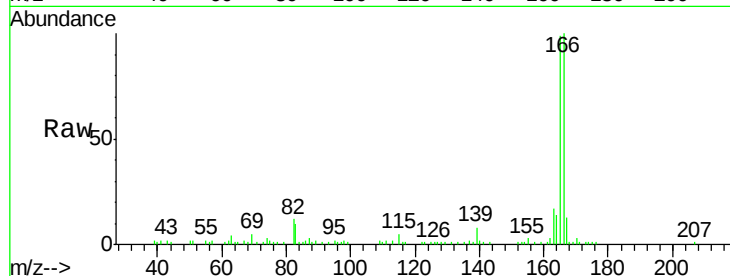
Tot Ion:166 Resp: 85419

Ion Ratio Lower Upper

166 100

165 98.9 78.5 117.7

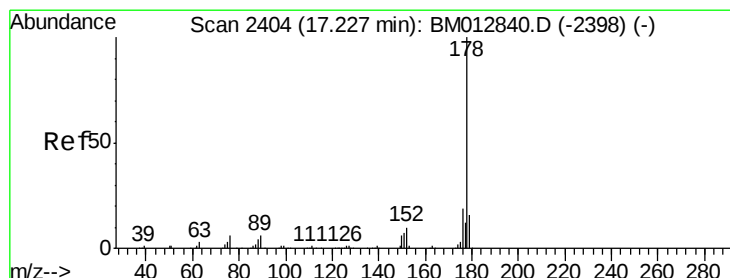
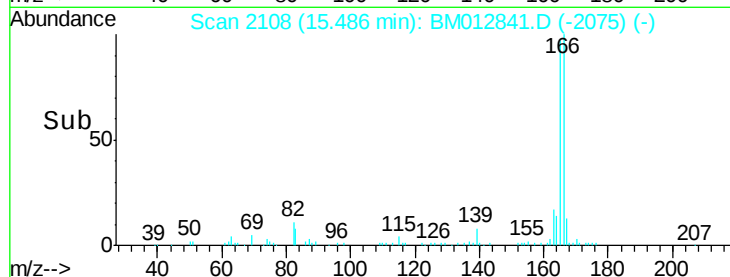
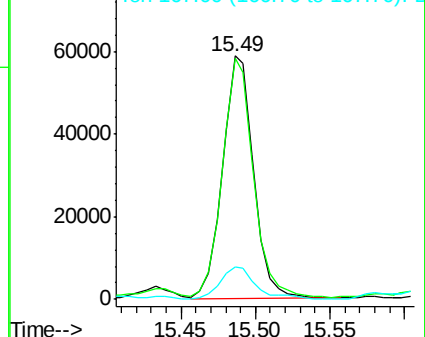
167 13.4 10.7 16.1



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: 6.98 ng/ul

RT: 17.32 min Scan# 2420

Delta R.T. 0.09 min

Lab File: BM012841.D

Acq: 09 Nov 2017 03:41

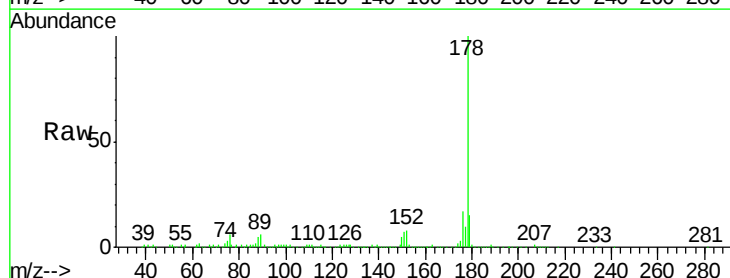
Tgt Ion:178 Resp: 294632

Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.4

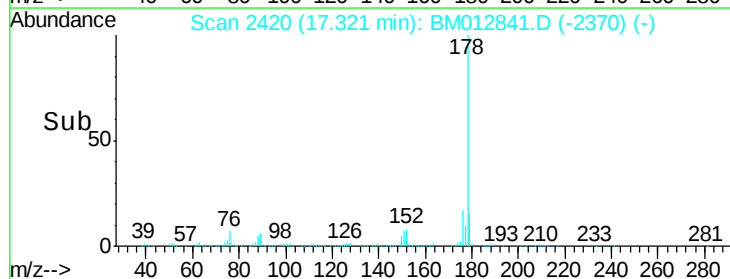
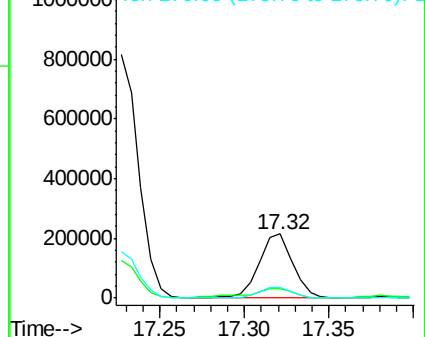
176 17.4 15.6 23.4

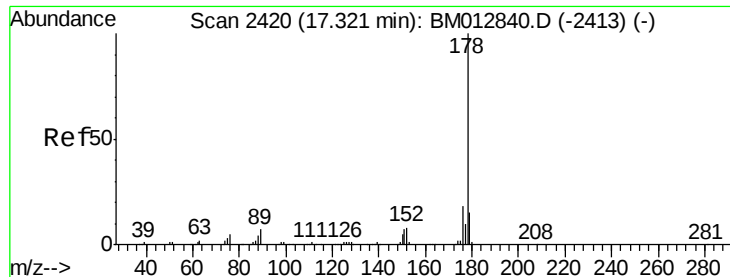


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

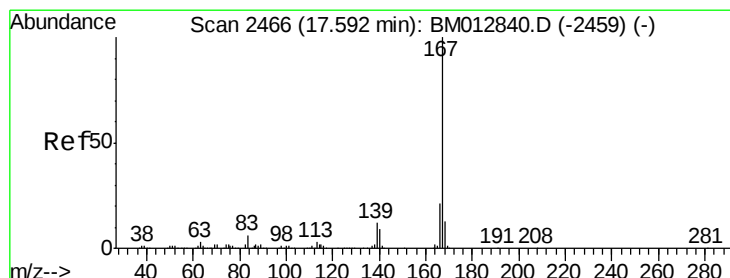
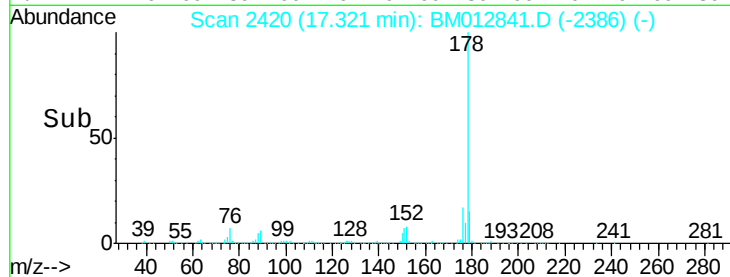
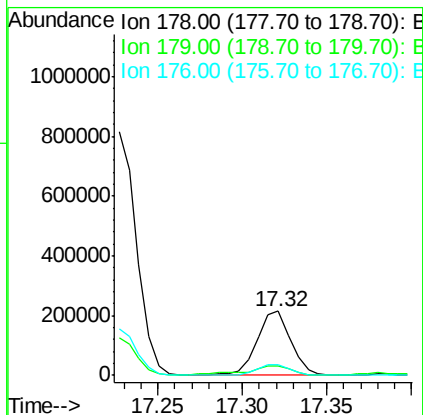
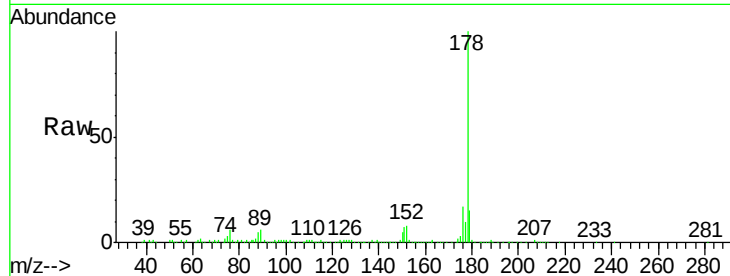




#71
 Anthracene
 Concen: 6.71 ng/ul
 RT: 17.32 min Scan# 2420
 Delta R.T. 0.00 min
 Lab File: BM012841.D
 Acq: 09 Nov 2017 03:41

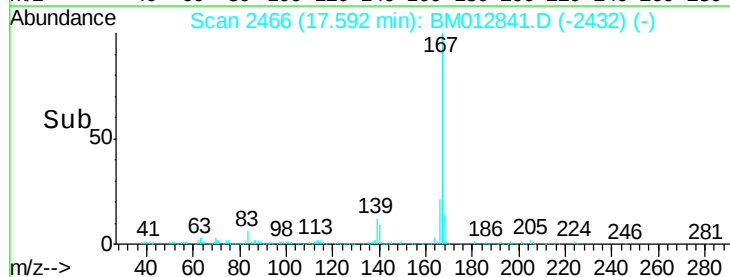
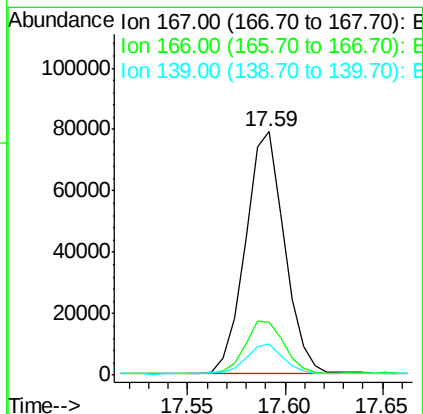
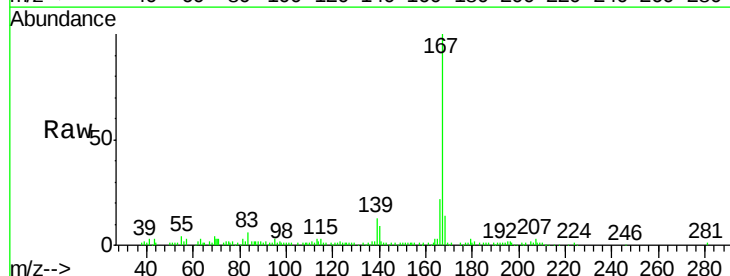
Instrument :
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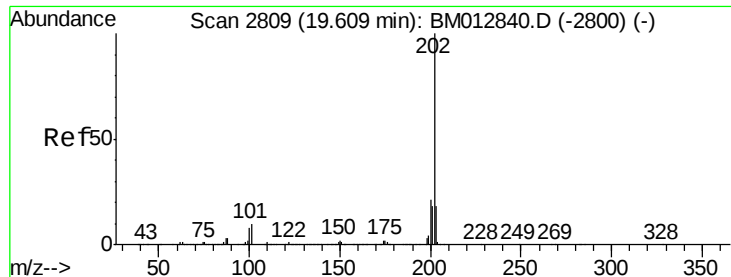
Tot Ion:178 Resp: 293777
 Ion Ratio Lower Upper
 178 100
 179 15.4 12.1 18.1
 176 17.4 14.8 22.2



#74
 Carbazole
 Concen: 3.00 ng/ul
 RT: 17.59 min Scan# 2466
 Delta R.T. 0.00 min
 Lab File: BM012841.D
 Acq: 09 Nov 2017 03:41

Tgt Ion:167 Resp: 109488
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.0 25.6
 139 12.6 11.0 16.4





#79

Pvrene

Concen: 33.70 ng/ul

RT: 19.61 min Scan# 2809

Delta R.T. 0.00 min

Lab File: BM012841.D

Acq: 09 Nov 2017 03:41

Instrument :

BNA_M

ClientSampleId :

B-14(0-1)-101717

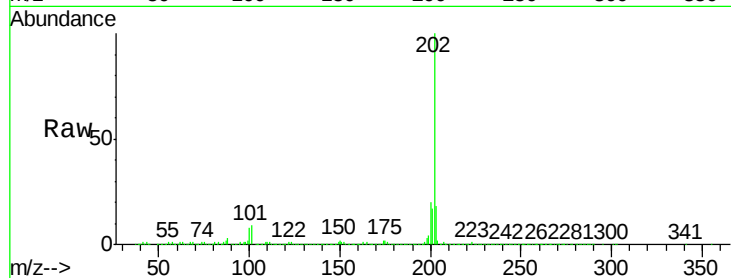
Tot Ion:202 Resp: 1448044

Ion Ratio Lower Upper

202 100

101 9.4 10.2 15.2#

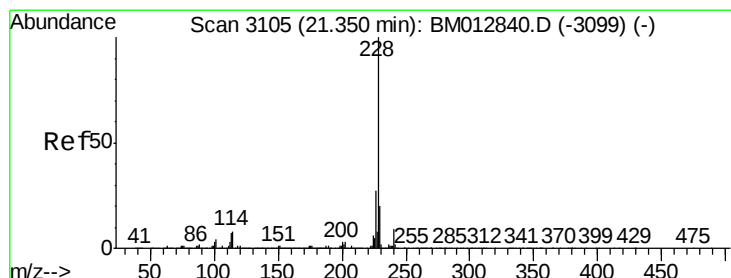
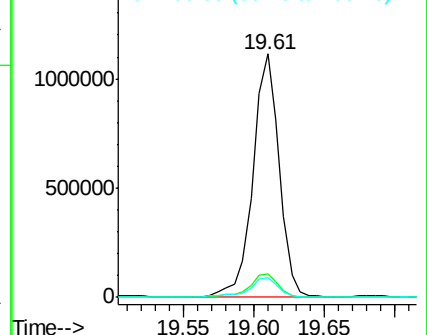
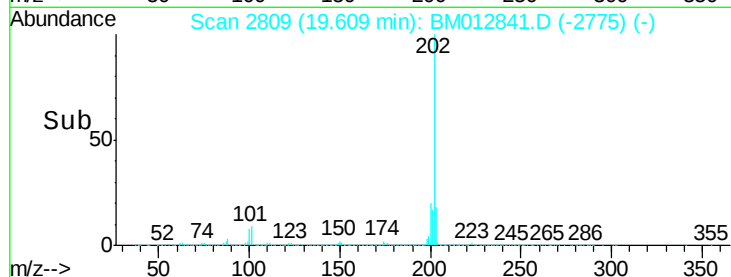
100 7.9 8.5 12.7#



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



#82

Benzo(a)anthracene

Concen: 20.31 ng/ul

RT: 21.36 min Scan# 3106

Delta R.T. 0.01 min

Lab File: BM012841.D

Acq: 09 Nov 2017 03:41

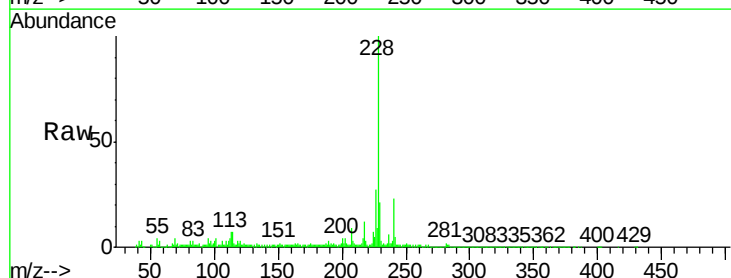
Tgt Ion:228 Resp: 885094

Ion Ratio Lower Upper

228 100

229 20.6 15.7 23.5

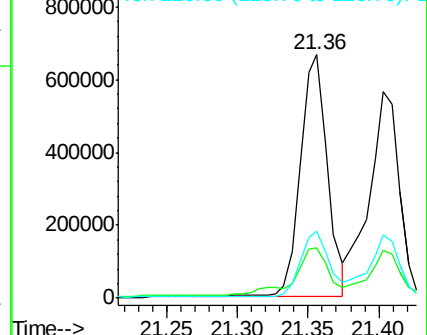
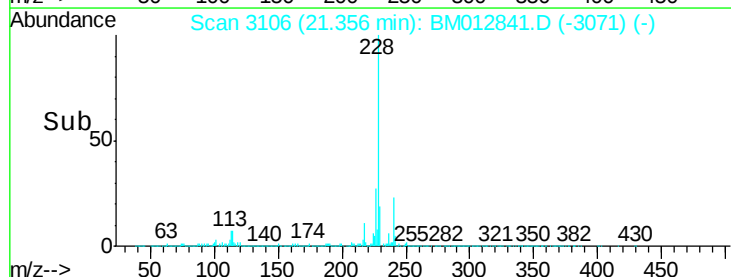
226 27.4 21.8 32.6

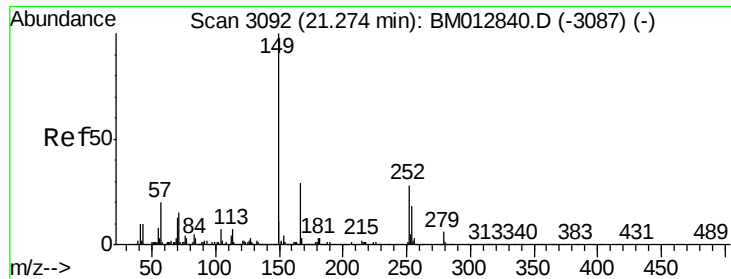


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

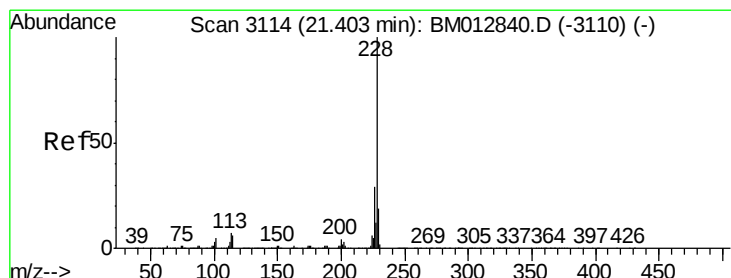
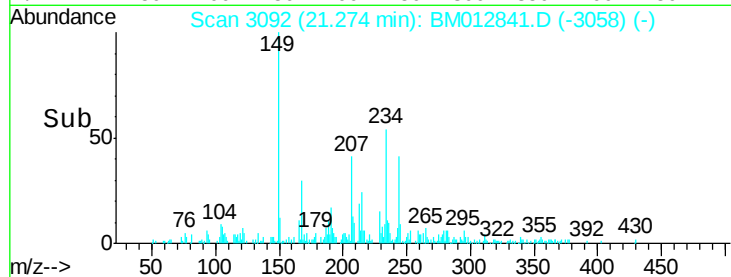
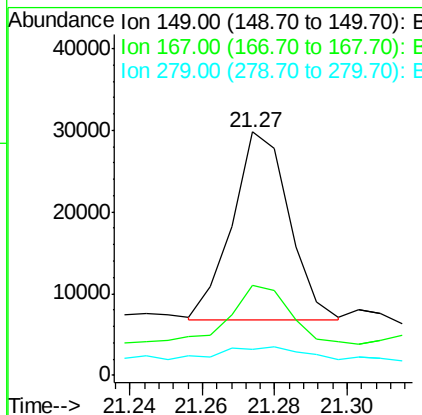
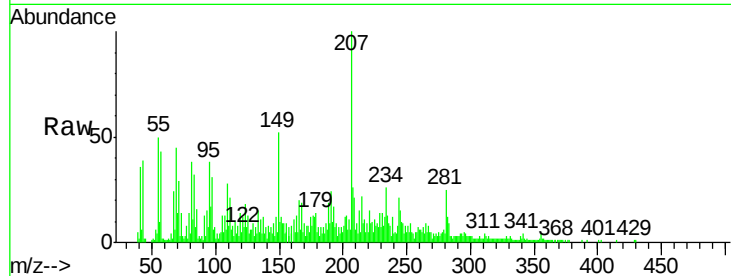




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 1.10 ng/ul
 RT: 21.27 min Scan# 3092
 Delta R.T. 0.00 min
 Lab File: BM012841.D
 Acq: 09 Nov 2017 03:41

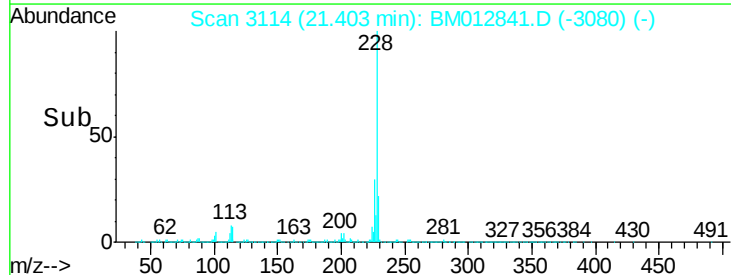
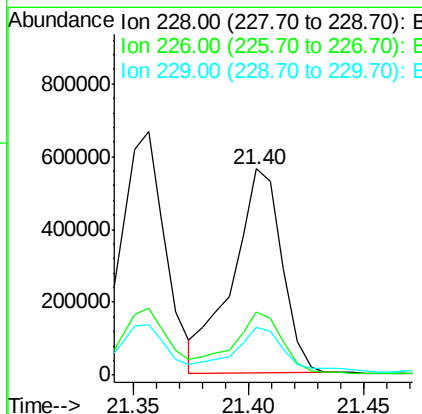
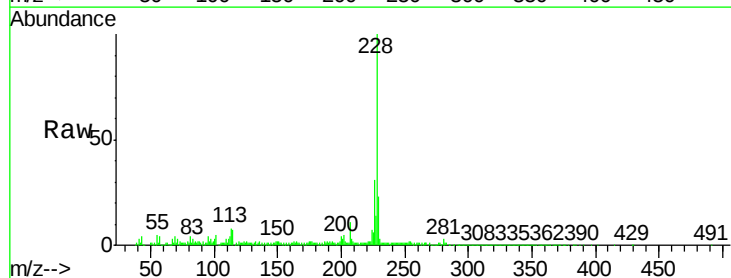
Instrument :
 BNA_M
 ClientSampleId :
 B-14(0-1)-101717

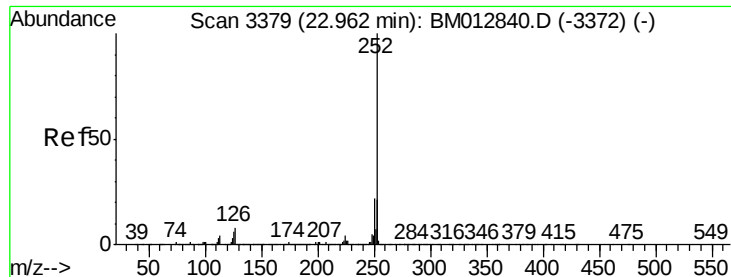
Tot Ion:149 Resp: 25049
 Ion Ratio Lower Upper
 149 100
 167 37.0 21.6 32.4#
 279 10.6 3.0 4.4#



#84
 Chrysene
 Concen: 20.95 ng/ul
 RT: 21.40 min Scan# 3114
 Delta R.T. 0.00 min
 Lab File: BM012841.D
 Acq: 09 Nov 2017 03:41

Tgt Ion:228 Resp: 827455
 Ion Ratio Lower Upper
 228 100
 226 30.6 24.0 36.0
 229 23.1 15.6 23.4





#87

Benzo(b)fluoranthene

Concen: 24.91 ng/ul

RT: 22.97 min Scan# 3381

Delta R.T. 0.01 min

Lab File: BM012841.D

Acq: 09 Nov 2017 03:41

Instrument :

BNA_M

ClientSampleId :

B-14(0-1)-101717

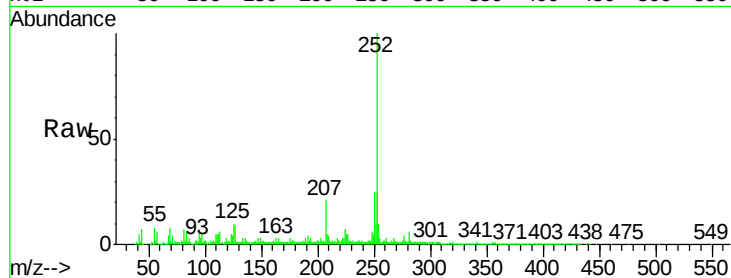
Tot Ion:252 Resp: 1256946

Ion Ratio Lower Upper

252 100

253 25.3 17.5 26.3

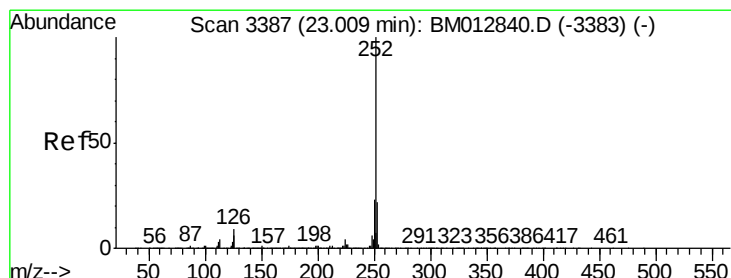
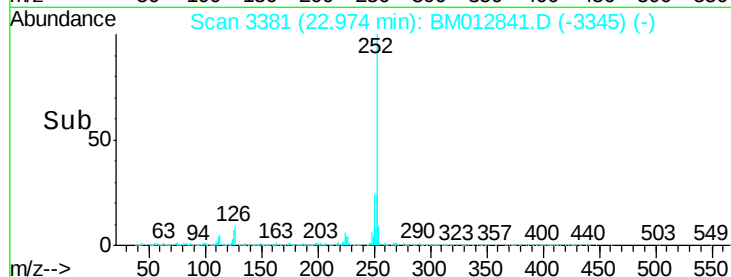
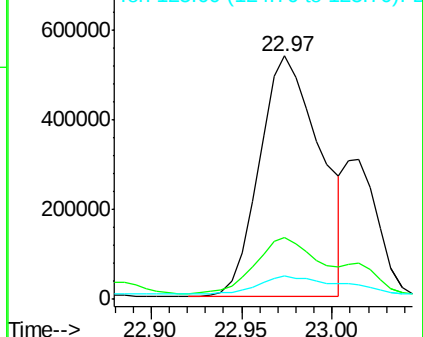
125 9.7 8.5 12.7



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(k)fluoranthene

Concen: 26.20 ng/ul

RT: 22.97 min Scan# 3381

Delta R.T. -0.04 min

Lab File: BM012841.D

Acq: 09 Nov 2017 03:41

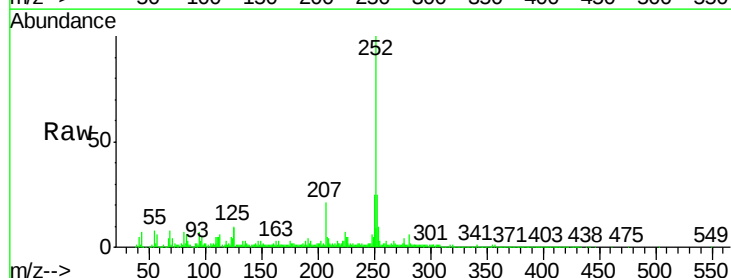
Tgt Ion:252 Resp: 1256946

Ion Ratio Lower Upper

252 100

253 25.3 17.3 25.9

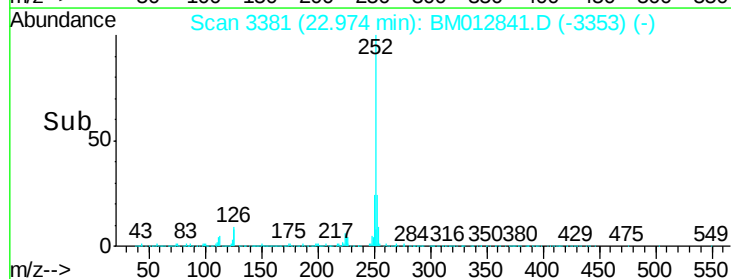
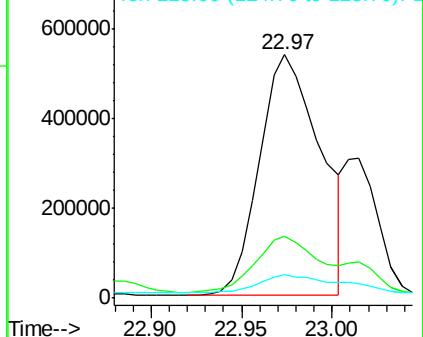
125 9.7 8.2 12.2

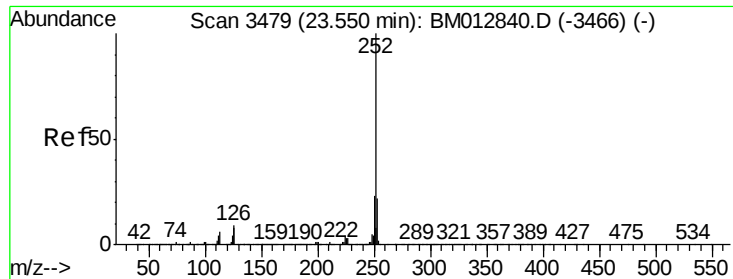


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 18.32 ng/ul

RT: 23.56 min Scan# 3481

Delta R.T. 0.01 min

Lab File: BM012841.D

Acq: 09 Nov 2017 03:41

Instrument :

BNA_M

ClientSampleId :

B-14(0-1)-101717

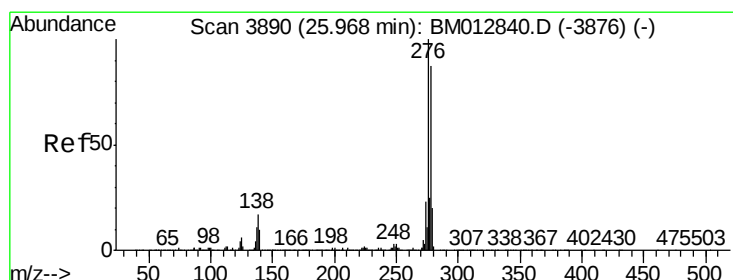
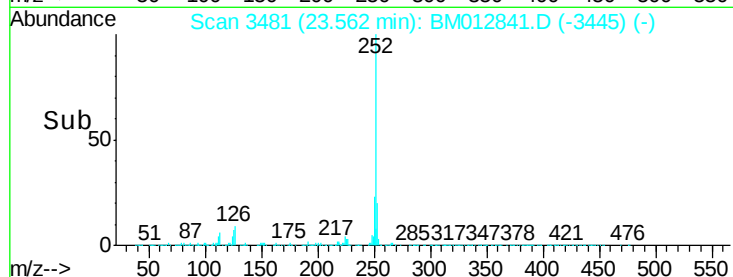
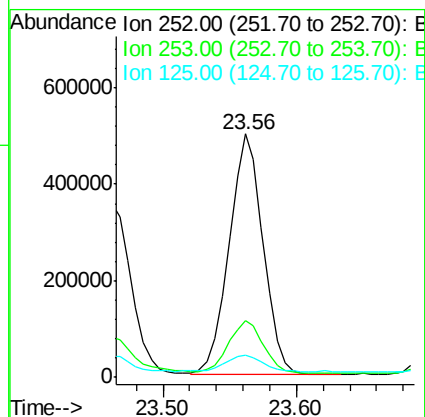
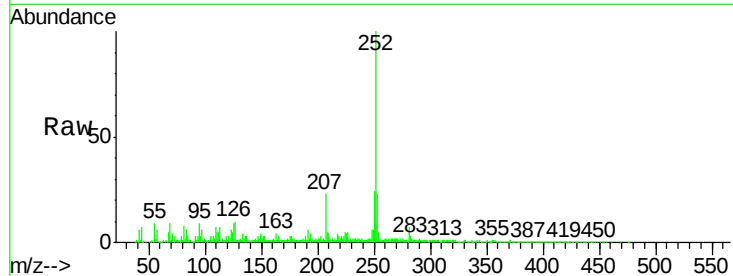
Tot Ion:252 Resp: 879497

Ion Ratio Lower Upper

252 100

253 23.2 17.2 25.8

125 9.4 9.0 13.6



#91

Indeno(1,2,3-cd)pyrene

Concen: 11.11 ng/ul

RT: 25.99 min Scan# 3894

Delta R.T. 0.02 min

Lab File: BM012841.D

Acq: 09 Nov 2017 03:41

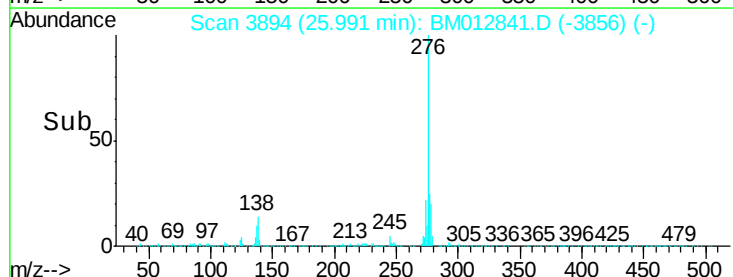
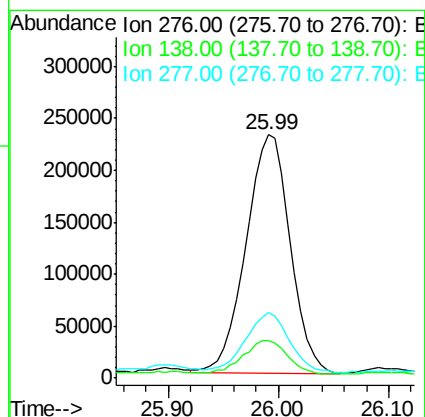
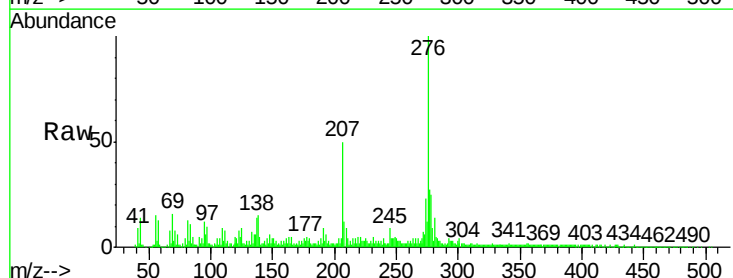
Tgt Ion:276 Resp: 643078

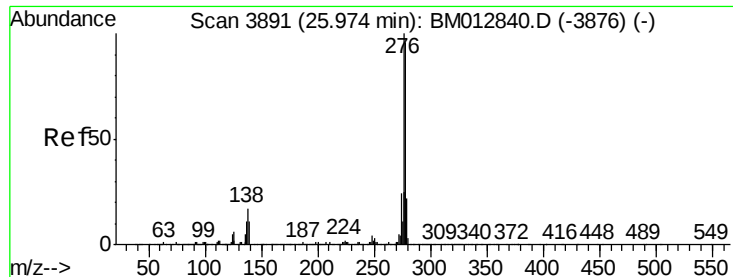
Ion Ratio Lower Upper

276 100

138 15.3 22.3 33.5#

277 26.9 20.2 30.2





#92

Dibenzo(a,h)anthracene

Concen: 3.69 ng/ul

RT: 25.99 min Scan# 3894

Delta R.T. 0.02 min

Lab File: BM012841.D

Acq: 09 Nov 2017 03:41

Instrument :

BNA_M

ClientSampleId :

B-14(0-1)-101717

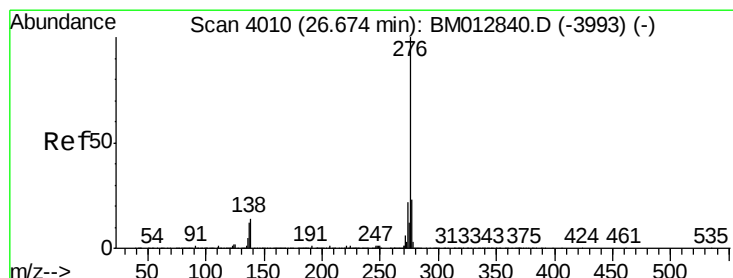
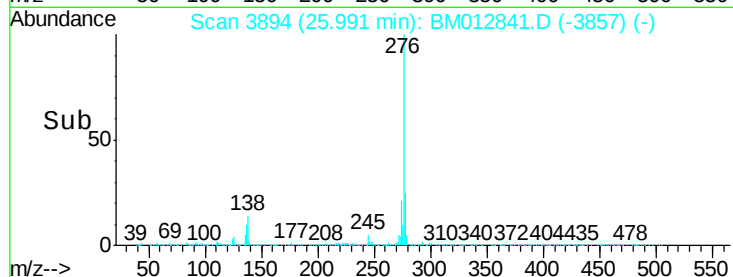
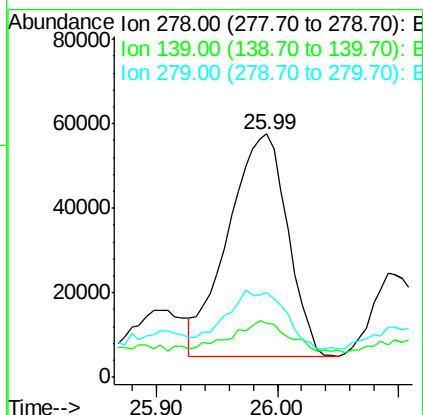
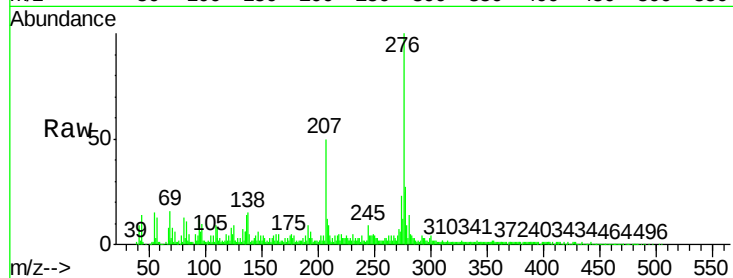
Tot Ion:278 Resp: 180749

Ion Ratio Lower Upper

278 100

139 22.2 13.9 20.9#

279 35.1 19.0 28.4#



#93

Benzo(g,h,i)perylene

Concen: 12.14 ng/ul

RT: 26.71 min Scan# 4016

Delta R.T. 0.04 min

Lab File: BM012841.D

Acq: 09 Nov 2017 03:41

Tgt Ion:276 Resp: 578785

Ion Ratio Lower Upper

276 100

138 16.2 18.9 28.3#

277 26.9 19.2 28.8

