

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110817\
 Data File : BM012834.D
 Acq On : 08 Nov 2017 22:55
 Operator : SJ/JU
 Sample : I6150-08 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-78(5-7)-102517

Quant Time: Nov 09 03:59:58 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Nov 09 03:48:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	151320	20.00	ng/ul	0.00
18) Naphthalene-d8	10.59	136	603514	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	345892	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	656083	20.00	ng/ul	0.00
77) Chrysene-d12	21.37	240	644339	20.00	ng/ul	0.00
85) Perylene-d12	23.66	264	738506	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.30	96	3419	1.22	ng/uL	0.01
5) Phenol-d5	6.98	99	89036	7.91	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	51043	8.36	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	77615	8.28	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	76857	7.91	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	37388	8.39	ng/ul	0.00
22) 2-Nitrophenol-d4	9.67	143	40257	7.89	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	83241	7.96	ng/ul	0.00
29) 4-Chloroaniline-d4	10.73	131	37566	3.72	ng/ul	0.00
43) Dimethylphthalate-d6	13.85	166	253463	8.86	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	299843	8.47	ng/ul	0.00
51) 4-Nitrophenol-d4	14.67	143	24331	5.31	ng/ul	0.02
57) Fluorene-d10	15.43	176	208251	8.49	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.58	200	2028	0.47	ng/ul	0.02
70) Anthracene-d10	17.29	188	287747	9.08	ng/ul	0.00
78) Pyrene-d10	19.58	212	269007	9.00	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.51	264	308103	8.82	ng/ul	0.01

Target Compounds

					Ovalue
6) Phenol	7.00	94	77630	6.72	ng/ul 97
16) 4-Methylphenol	8.57	108	292835	30.68	ng/ul 88
28) Naphthalene	10.64	128	95373	3.16	ng/ul 100
30) 4-Chloroaniline	10.64	127	12533	1.23	ng/ul# 9
44) Dimethylphthalate	13.89	163	80921	2.85	ng/ul# 98
49) Acenaphthene	14.50	153	100031	4.28	ng/ul 98
53) Dibenzofuran	14.84	168	53695	1.57	ng/ul 100
58) Fluorene	15.49	166	108363	3.83	ng/ul 99
69) Phenanthrene	17.23	178	998663	27.85	ng/ul 99
71) Anthracene	17.32	178	216415	5.82	ng/ul 99
74) Carbazole	17.59	167	52389	1.69	ng/ul 92
76) Fluoranthene	19.24	202	1421680	32.99	ng/ul 95
79) Pyrene	19.61	202	1314003	34.18	ng/ul# 93
82) Benzo(a)anthracene	21.36	228	652858	16.74	ng/ul 97
84) Chrysene	21.36	228	652858	18.48	ng/ul 94
87) Benzo(b)fluoranthene	22.97	252	839334	18.60	ng/ul 96
88) Benzo(k)fluoranthene	22.97	252	839334	19.57	ng/ul 95
90) Benzo(a)pyrene	23.56	252	637051	14.83	ng/ul 95
91) Indeno(1,2,3-cd)pyrene	25.97	276	439687	8.50	ng/ul# 88
92) Dibenz(a,h)anthracene	25.97	278	120062	2.74	ng/ul# 85
93) Benzo(a,h,i)perylene	26.69	276	388943	9.12	ng/ul# 89

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110817\
Data File : BM012834.D
Acq On : 08 Nov 2017 22:55
Operator : SJ/JU
Sample : I6150-08 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-78(5-7)-102517

Quant Time: Nov 09 03:59:58 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 09 03:48:55 2017
Response via : Initial Calibration

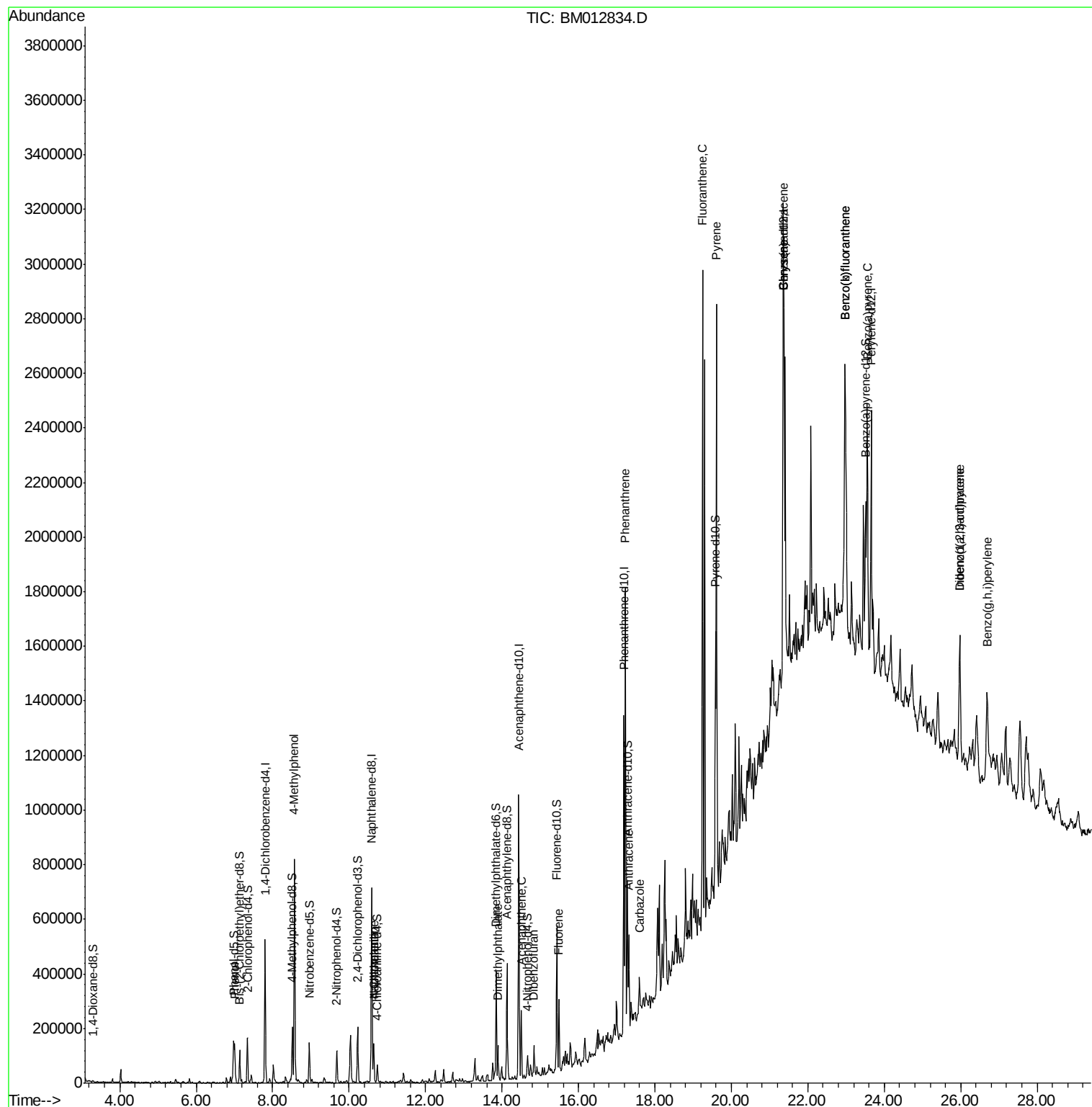
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

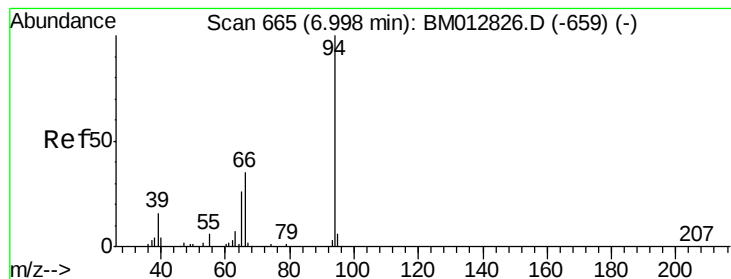
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110817\
Data File : BM012834.D
Acq On : 08 Nov 2017 22:55
Operator : SJ/JU
Sample : I6150-08 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-78(5-7)-102517

Quant Time: Nov 09 03:59:58 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 09 03:48:55 2017
Response via : Initial Calibration





#6

Phenol

Concen: 6.72 ng/ul

RT: 7.00 min Scan# 666

Delta R.T. 0.01 min

Lab File: BM012834.D

Acq: 08 Nov 2017 22:55

Instrument :

BNA_M

ClientSampleId :

B-78(5-7)-102517

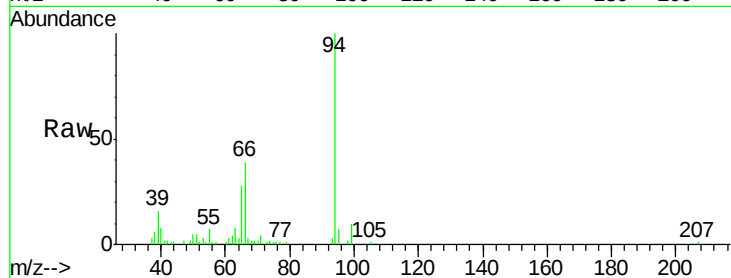
Tot Ion: 94 Resp: 77630

Ion Ratio Lower Upper

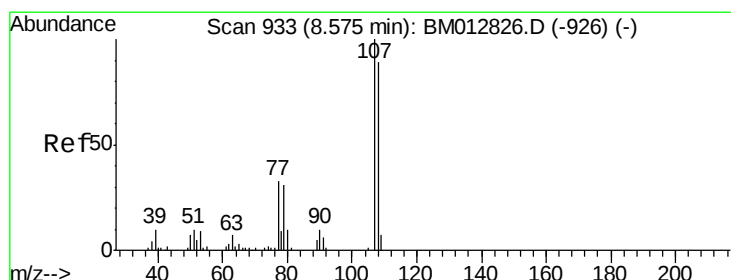
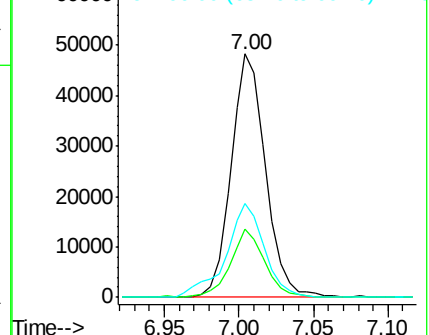
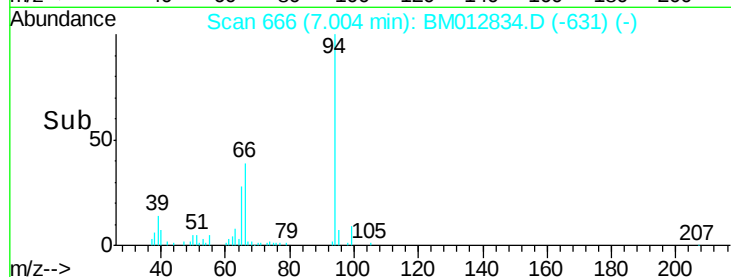
94 100

65 27.9 21.0 31.6

66 38.7 29.3 43.9



Abundance Ion 94.00 (93.70 to 94.70): BM012834.D (-631) (-)



#16

4-Methylphenol

Concen: 30.68 ng/ul

RT: 8.57 min Scan# 932

Delta R.T. -0.01 min

Lab File: BM012834.D

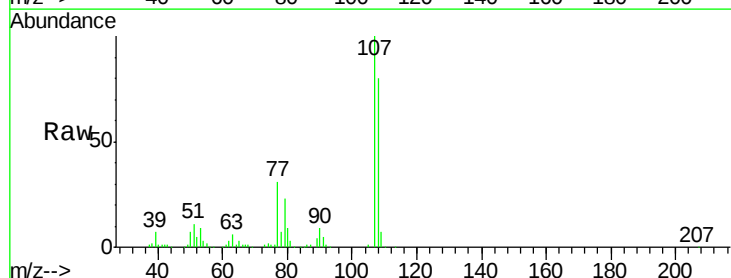
Acq: 08 Nov 2017 22:55

Tgt Ion: 108 Resp: 292835

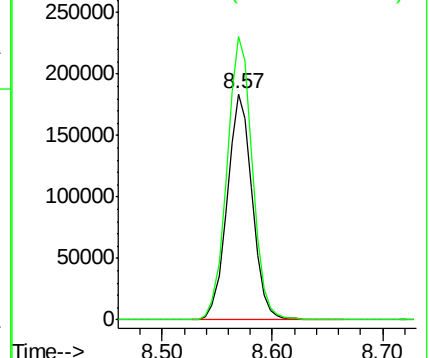
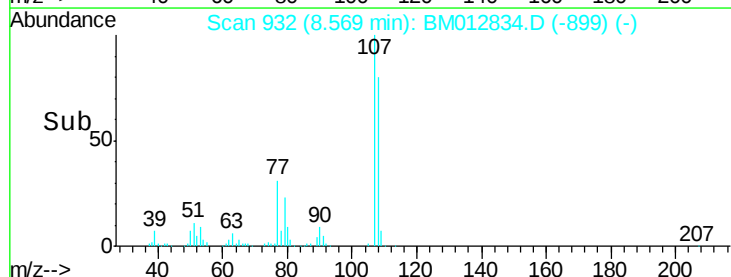
Ion Ratio Lower Upper

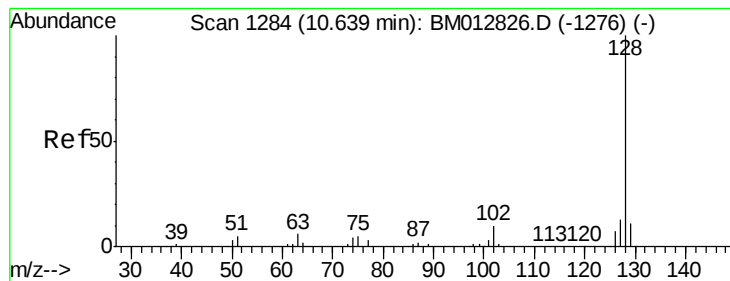
108 100

107 125.3 90.3 135.5



Abundance Ion 108.00 (107.70 to 108.70): BM012834.D (-899) (-)





#28

Naphthalene

Concen: 3.16 ng/ul

RT: 10.64 min Scan# 1284

Delta R.T. 0.00 min

Lab File: BM012834.D

Acq: 08 Nov 2017 22:55

Instrument :

BNA_M

ClientSampleId :

B-78(5-7)-102517

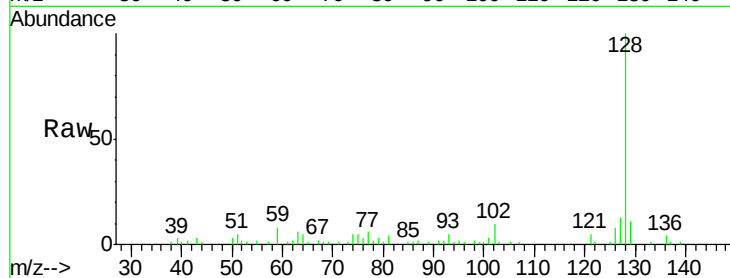
Tot Ion:128 Resp: 95373

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

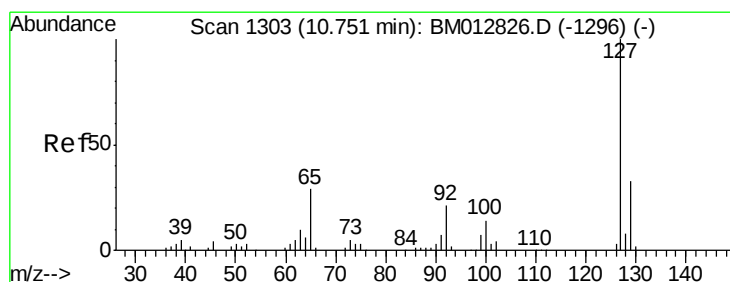
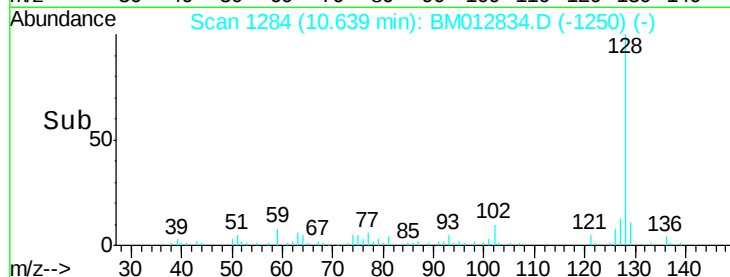
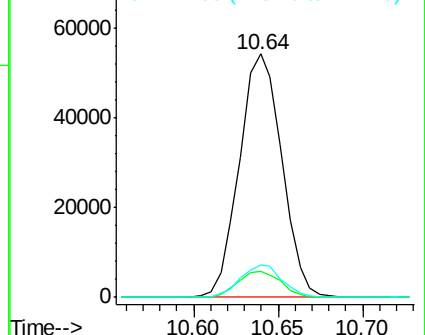
127 13.3 10.5 15.7



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: 1.23 ng/ul

RT: 10.64 min Scan# 1284

Delta R.T. -0.11 min

Lab File: BM012834.D

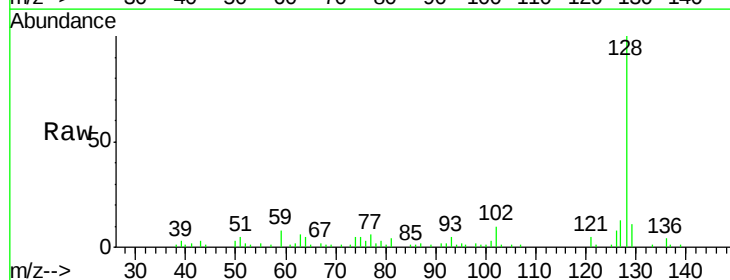
Acq: 08 Nov 2017 22:55

Tgt Ion:127 Resp: 12533

Ion Ratio Lower Upper

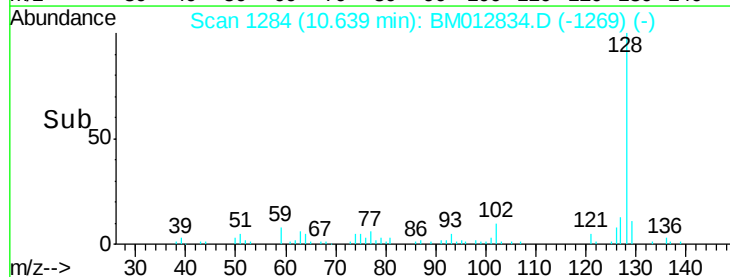
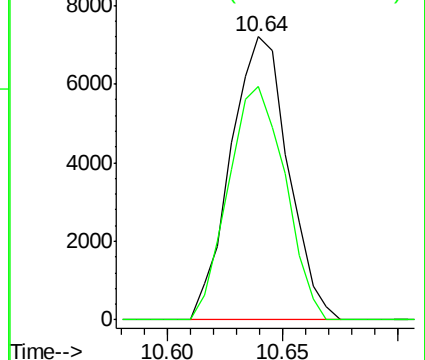
127 100

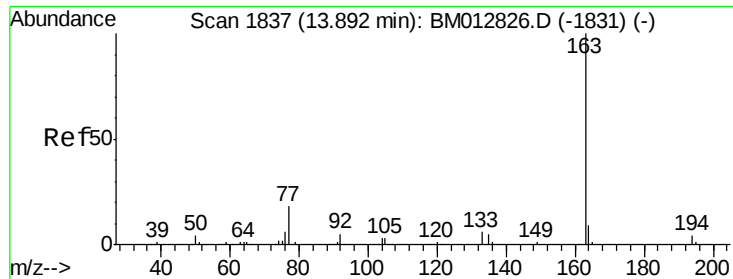
129 82.6 25.4 38.2#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

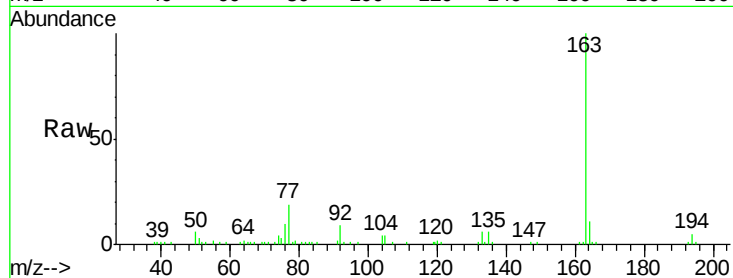




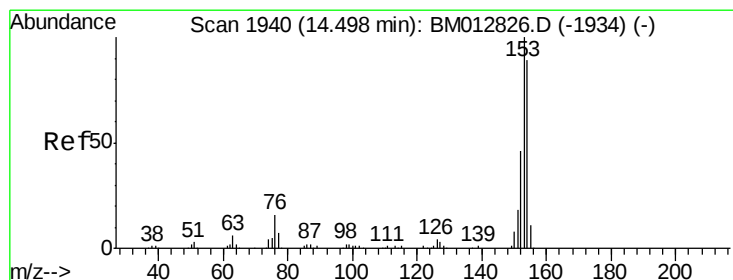
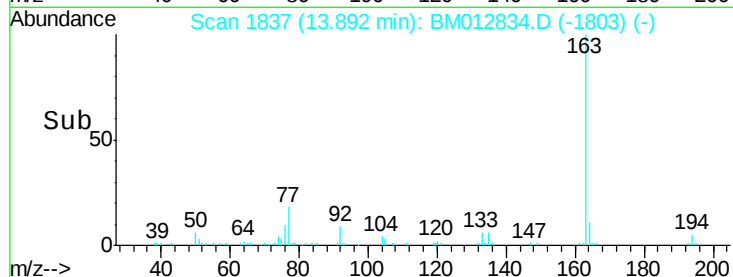
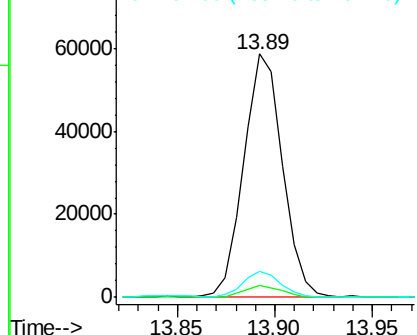
#44
Dimethylphthalate
Concen: 2.85 ng/ul
RT: 13.89 min Scan# 1837
Delta R.T. 0.00 min
Lab File: BM012834.D
Acq: 08 Nov 2017 22:55

Instrument :
BNA_M
ClientSampleId :
B-78(5-7)-102517

Tot Ion:163 Resp: 80921
Ion Ratio Lower Upper
163 100
194 4.9 3.2 4.8#
164 10.5 7.8 11.8

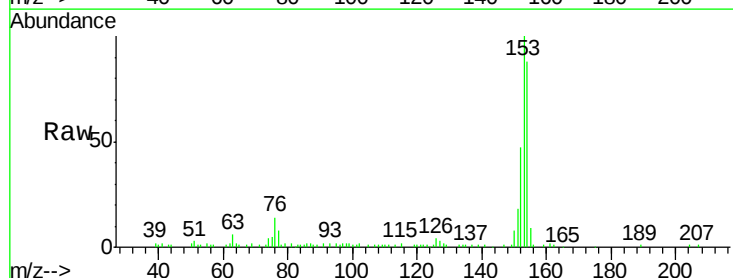


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

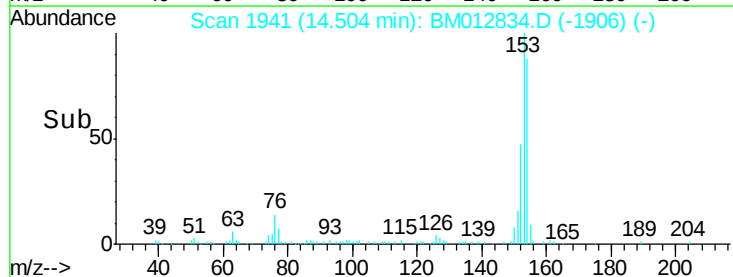
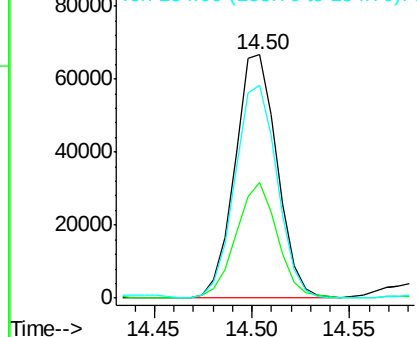


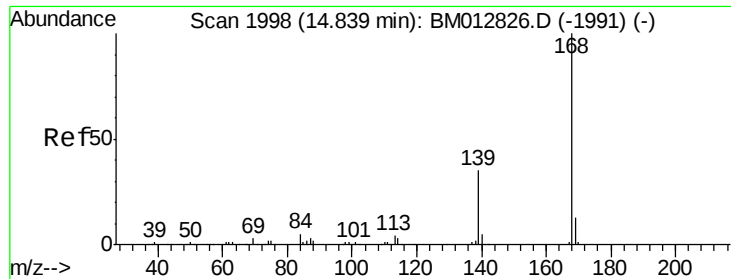
#49
Acenaphthene
Concen: 4.28 ng/ul
RT: 14.50 min Scan# 1941
Delta R.T. 0.01 min
Lab File: BM012834.D
Acq: 08 Nov 2017 22:55

Tgt Ion:153 Resp: 100031
Ion Ratio Lower Upper
153 100
152 47.4 38.3 57.5
154 87.7 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: 1.57 ng/ul

RT: 14.84 min Scan# 1998

Delta R.T. 0.00 min

Lab File: BM012834.D

Acq: 08 Nov 2017 22:55

Instrument :

BNA_M

ClientSampleId :

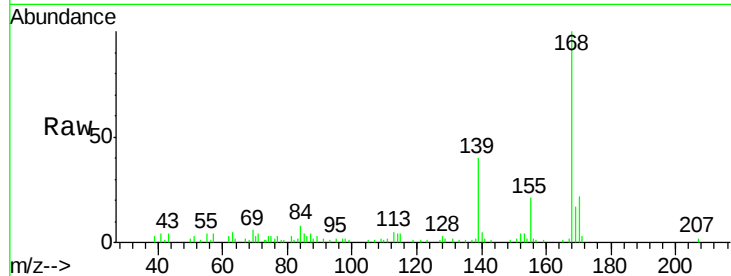
B-78(5-7)-102517

Tot Ion:168 Resp: 53695

Ion Ratio Lower Upper

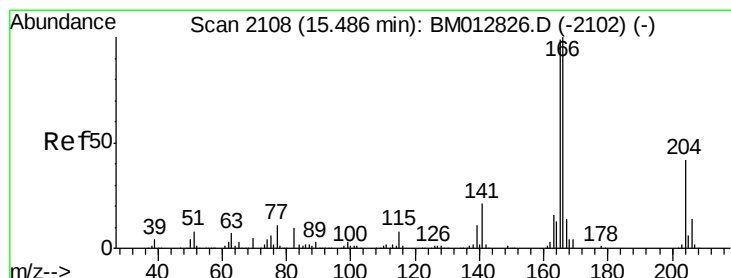
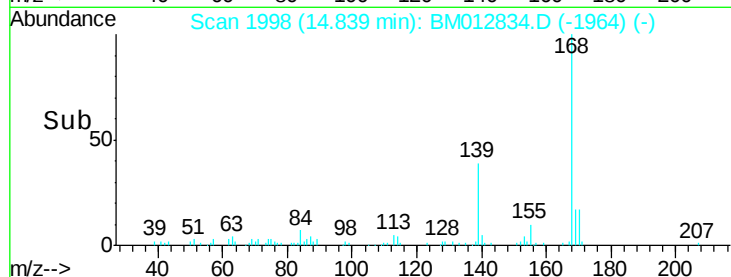
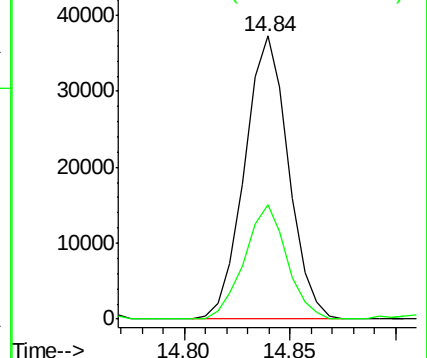
168 100

139 40.5 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: 3.83 ng/ul

RT: 15.49 min Scan# 2108

Delta R.T. 0.00 min

Lab File: BM012834.D

Acq: 08 Nov 2017 22:55

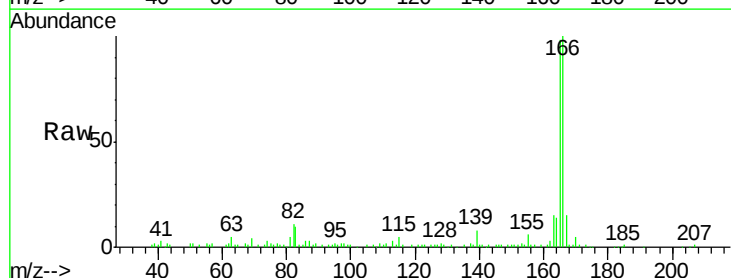
Tgt Ion:166 Resp: 108363

Ion Ratio Lower Upper

166 100

165 97.8 78.5 117.7

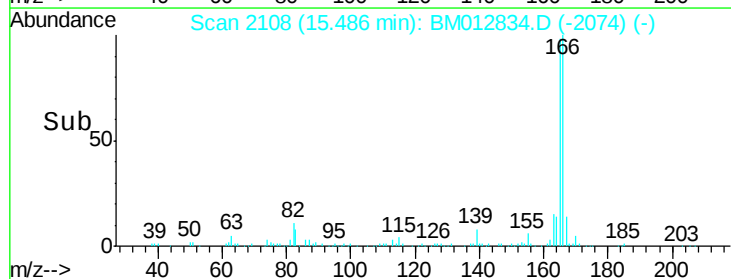
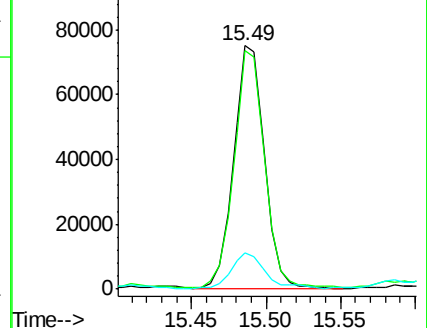
167 14.9 10.7 16.1

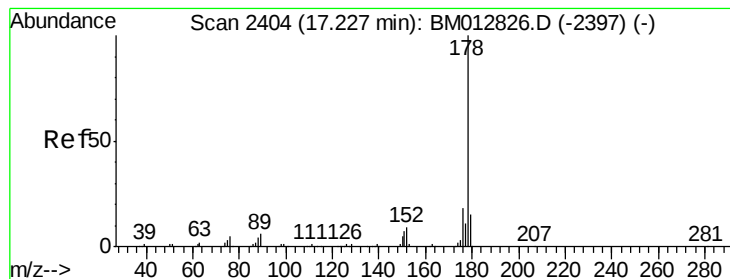


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 27.85 ng/ul

RT: 17.23 min Scan# 2404

Delta R.T. 0.00 min

Lab File: BM012834.D

Acq: 08 Nov 2017 22:55

Instrument :

BNA_M

ClientSampleId :

B-78(5-7)-102517

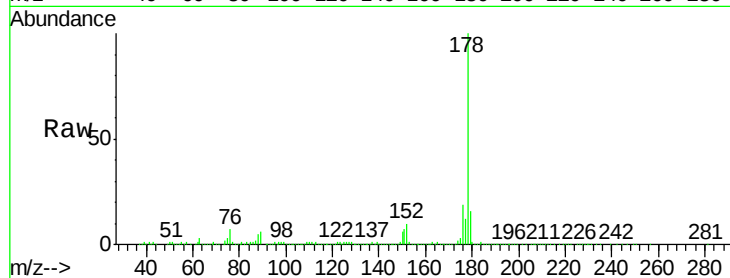
Tot Ion:178 Resp: 998663

Ion Ratio Lower Upper

178 100

179 15.7 12.2 18.4

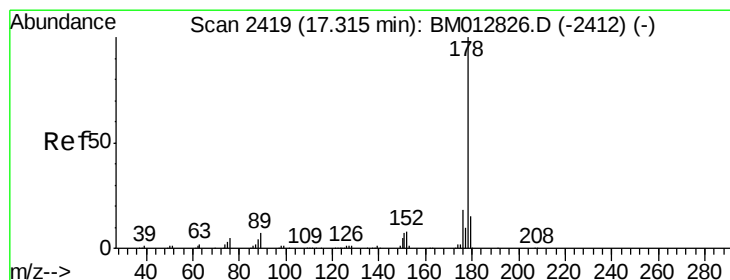
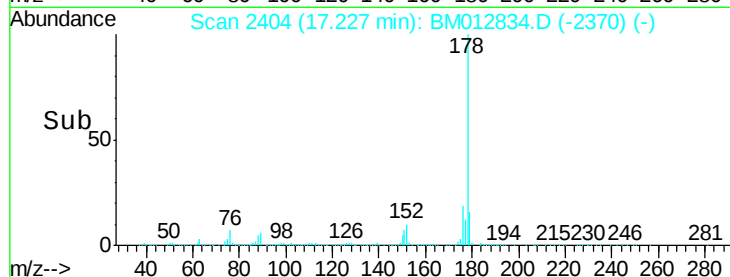
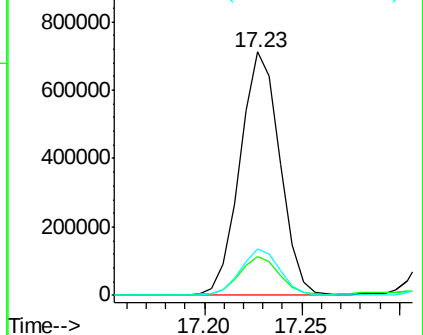
176 19.0 15.6 23.4



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: 5.82 ng/ul

RT: 17.32 min Scan# 2420

Delta R.T. 0.01 min

Lab File: BM012834.D

Acq: 08 Nov 2017 22:55

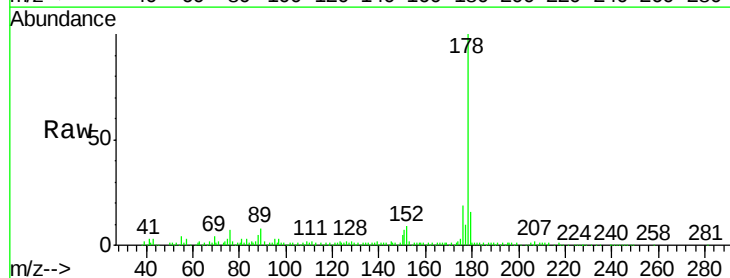
Tgt Ion:178 Resp: 216415

Ion Ratio Lower Upper

178 100

179 15.6 12.1 18.1

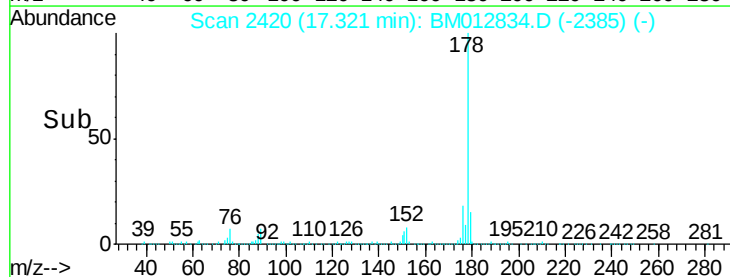
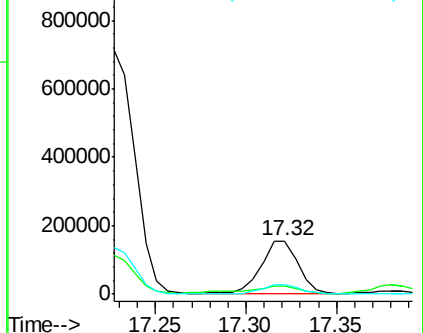
176 18.6 14.8 22.2

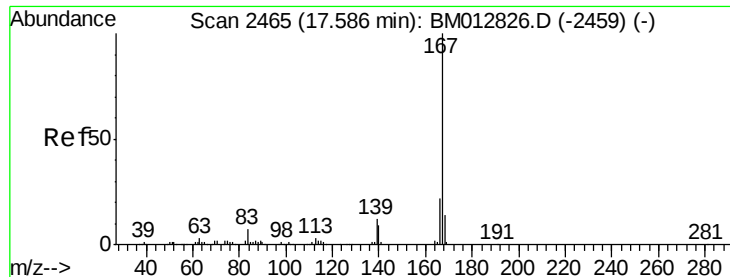


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Carbazole

Concen: 1.69 ng/ul

RT: 17.59 min Scan# 2466

Delta R.T. 0.01 min

Lab File: BM012834.D

Acq: 08 Nov 2017 22:55

Instrument :

BNA_M

ClientSampleId :

B-78(5-7)-102517

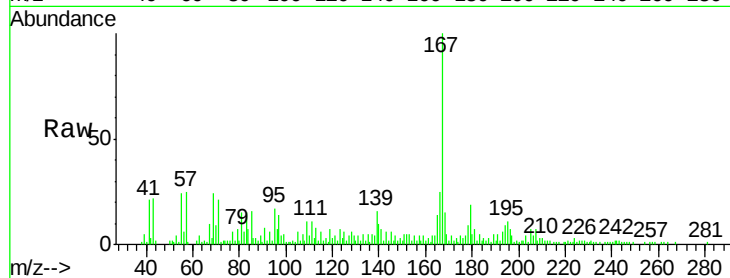
Tot Ion:167 Resp: 52389

Ion Ratio Lower Upper

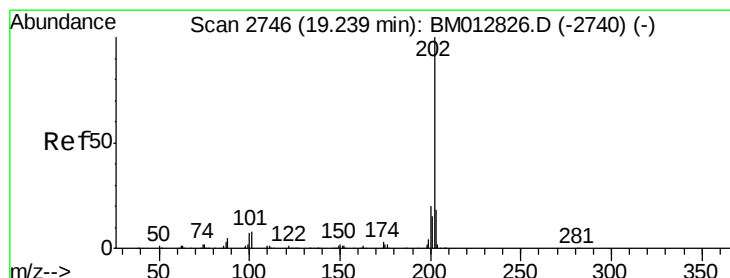
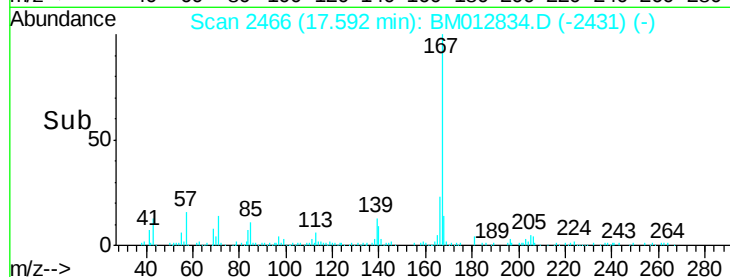
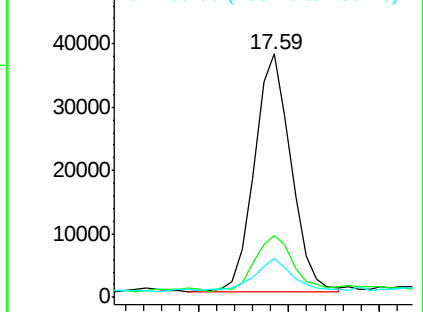
167 100

166 25.4 17.0 25.6

139 16.1 11.0 16.4



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



#76

Fluoranthene

Concen: 32.99 ng/ul

RT: 19.24 min Scan# 2747

Delta R.T. 0.01 min

Lab File: BM012834.D

Acq: 08 Nov 2017 22:55

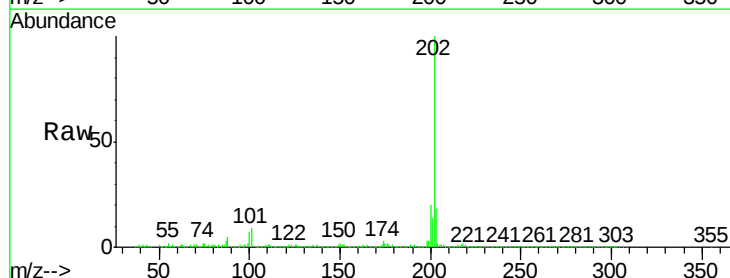
Tgt Ion:202 Resp: 1421680

Ion Ratio Lower Upper

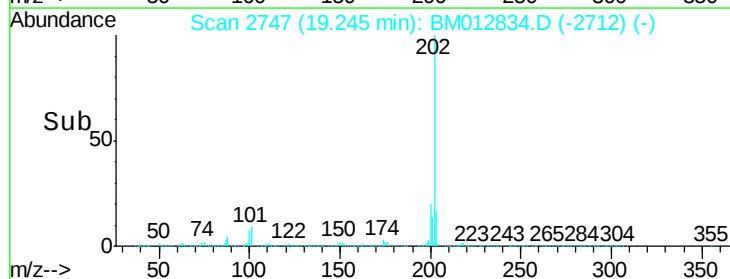
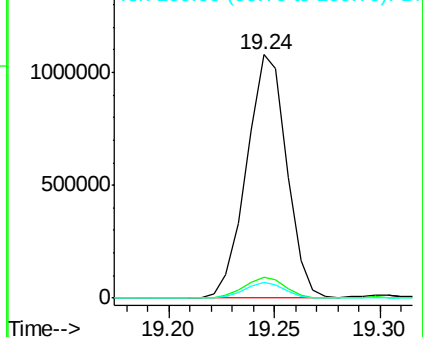
202 100

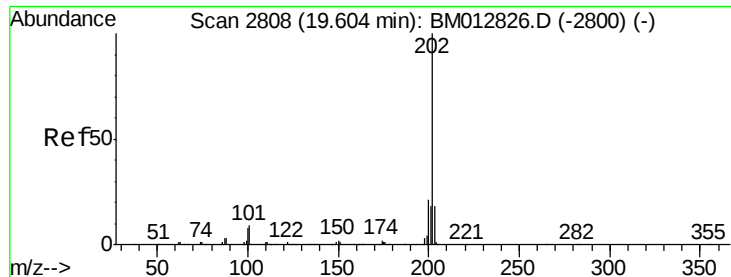
101 8.8 8.8 13.2

100 6.7 6.6 9.8



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

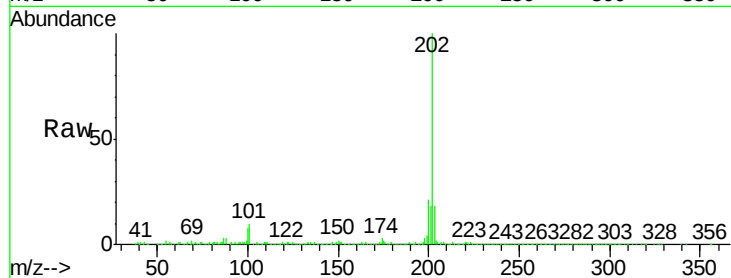




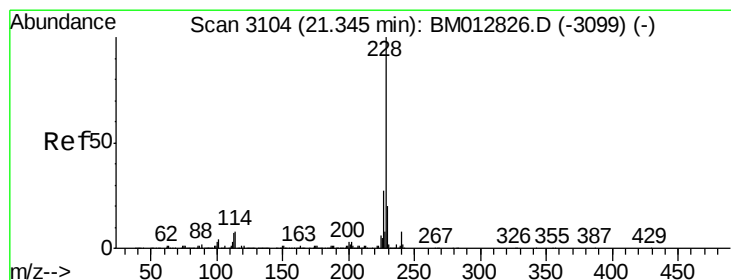
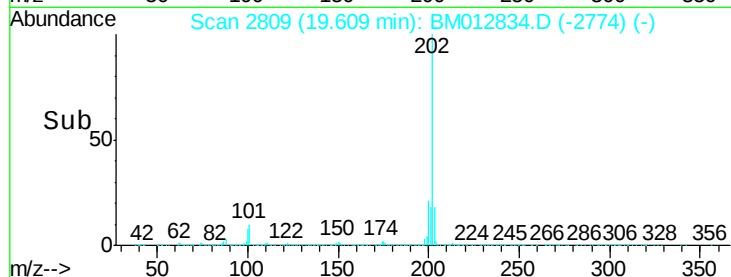
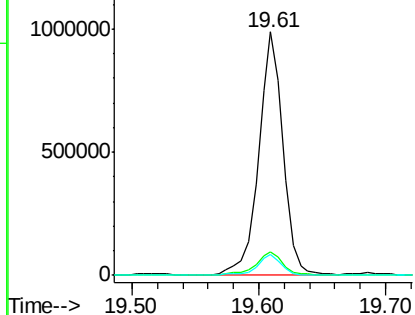
#79
Pvrene
Concen: 34.18 ng/ul
RT: 19.61 min Scan# 2809
Delta R.T. 0.01 min
Lab File: BM012834.D
Acq: 08 Nov 2017 22:55

Instrument :
BNA_M
ClientSampleId :
B-78(5-7)-102517

Tot Ion:202 Resp: 1314003
Ion Ratio Lower Upper
202 100
101 9.7 10.2 15.2#
100 8.4 8.5 12.7#

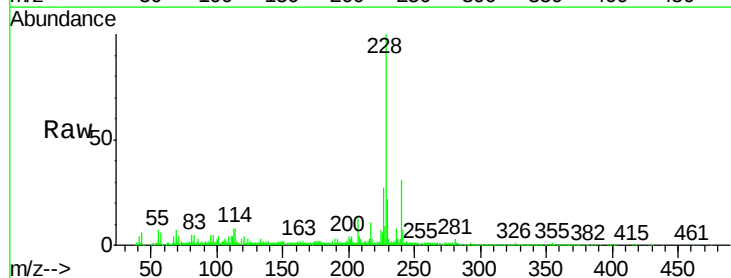


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

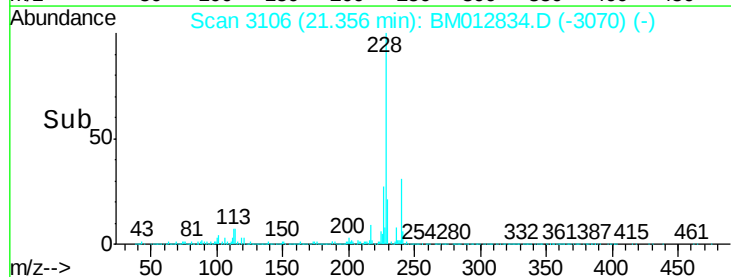
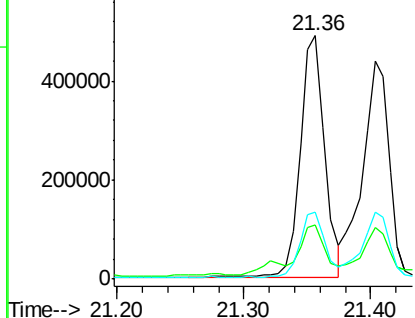


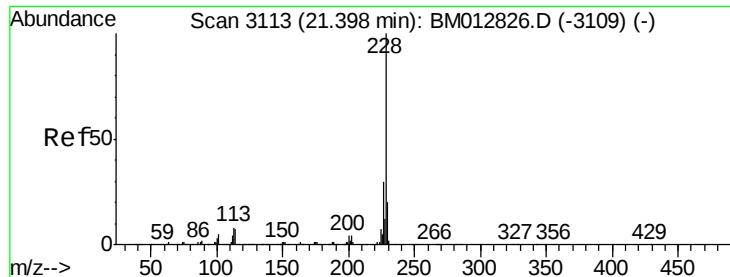
#82
Benzo(a)anthracene
Concen: 16.74 ng/ul
RT: 21.36 min Scan# 3106
Delta R.T. 0.01 min
Lab File: BM012834.D
Acq: 08 Nov 2017 22:55

Tgt Ion:228 Resp: 652858
Ion Ratio Lower Upper
228 100
229 22.5 15.7 23.5
226 27.3 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





#84

Chrysene

Concen: 18.48 ng/ul

RT: 21.36 min Scan# 3106

Delta R.T. -0.04 min

Lab File: BM012834.D

Acq: 08 Nov 2017 22:55

Instrument :

BNA_M

ClientSampleId :

B-78(5-7)-102517

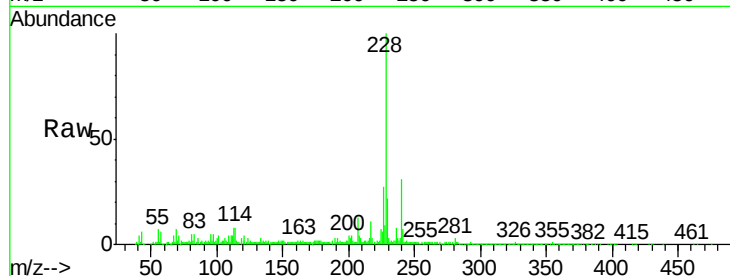
Tot Ion:228 Resp: 652858

Ion Ratio Lower Upper

228 100

226 27.3 24.0 36.0

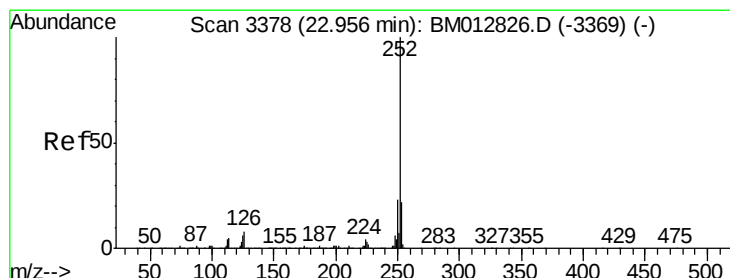
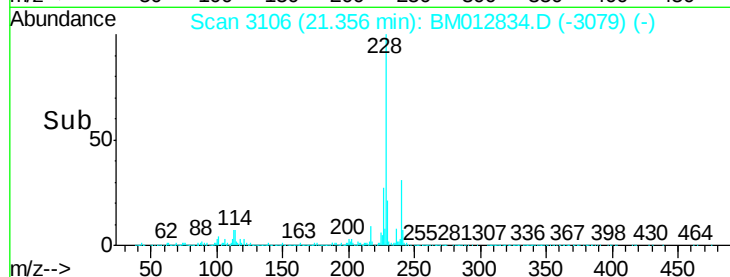
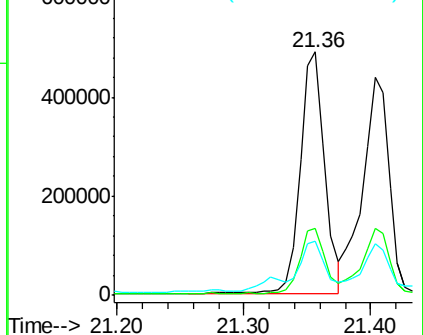
229 22.5 15.6 23.4



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



#87

Benzo(b)fluoranthene

Concen: 18.60 ng/ul

RT: 22.97 min Scan# 3380

Delta R.T. 0.01 min

Lab File: BM012834.D

Acq: 08 Nov 2017 22:55

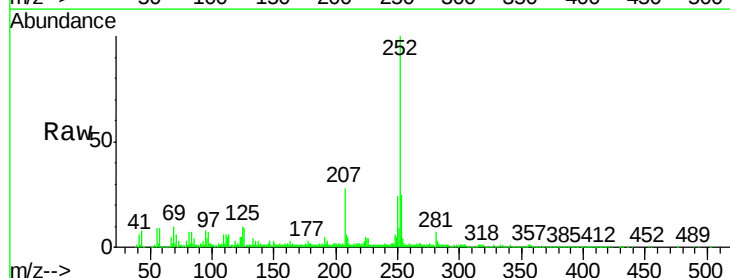
Tgt Ion:252 Resp: 839334

Ion Ratio Lower Upper

252 100

253 24.6 17.5 26.3

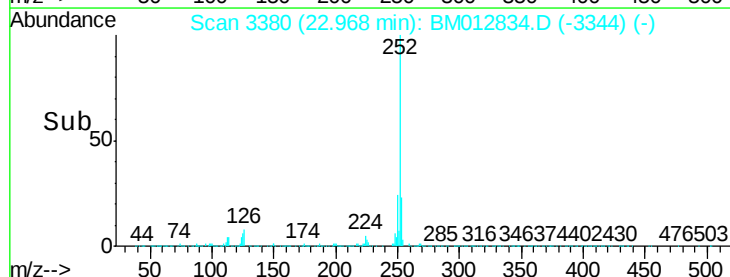
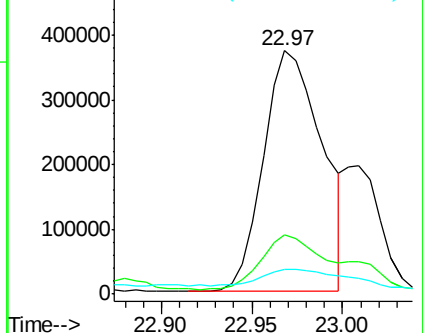
125 9.9 8.5 12.7

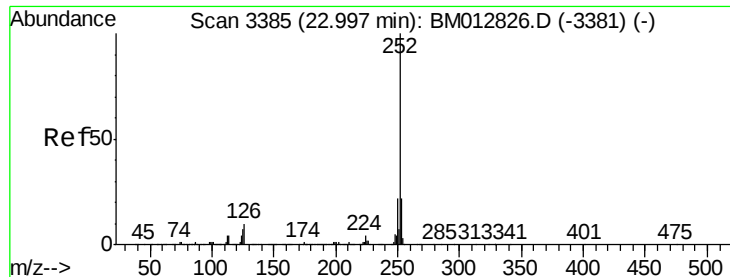


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 19.57 ng/ul

RT: 22.97 min Scan# 3380

Delta R.T. -0.03 min

Lab File: BM012834.D

Acq: 08 Nov 2017 22:55

Instrument :

BNA_M

ClientSampleId :

B-78(5-7)-102517

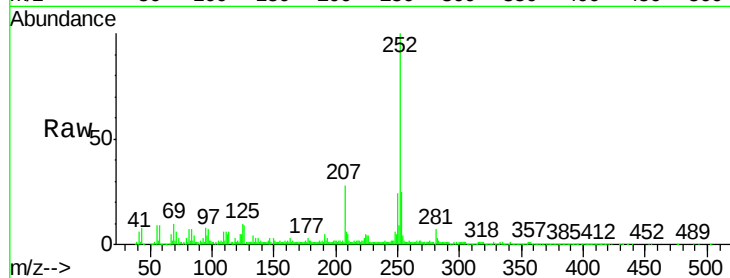
Tot Ion:252 Resp: 839334

Ion Ratio Lower Upper

252 100

253 24.6 17.3 25.9

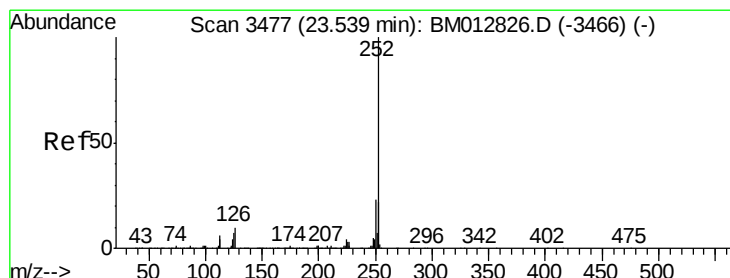
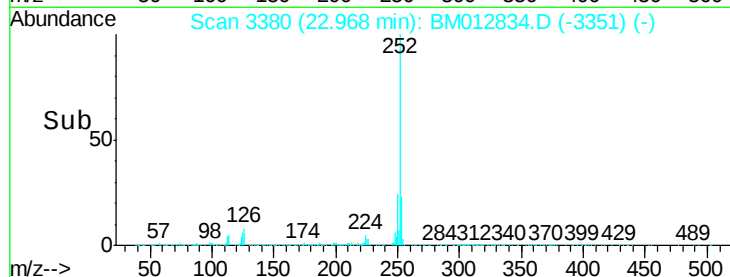
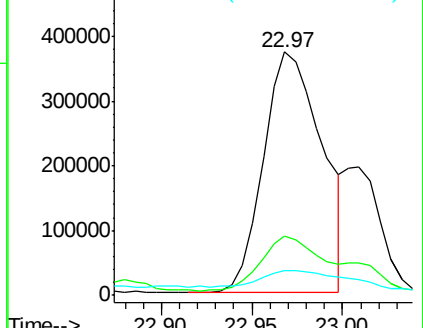
125 9.9 8.2 12.2



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: 14.83 ng/ul

RT: 23.56 min Scan# 3480

Delta R.T. 0.02 min

Lab File: BM012834.D

Acq: 08 Nov 2017 22:55

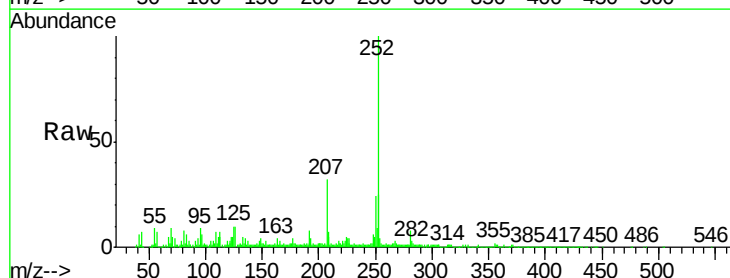
Tgt Ion:252 Resp: 637051

Ion Ratio Lower Upper

252 100

253 24.6 17.2 25.8

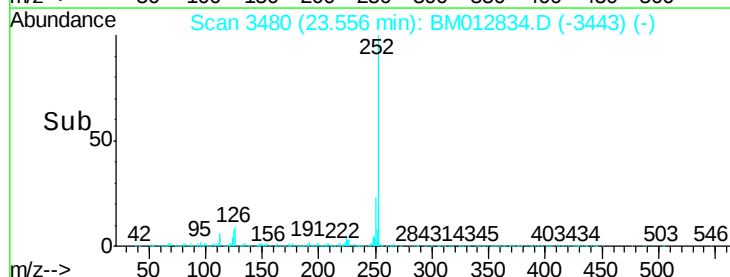
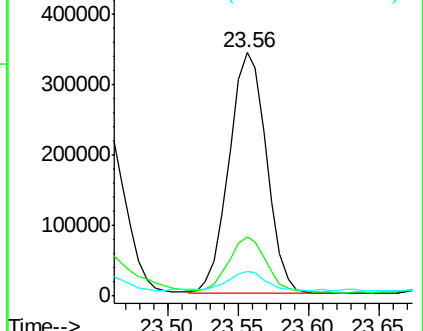
125 10.1 9.0 13.6

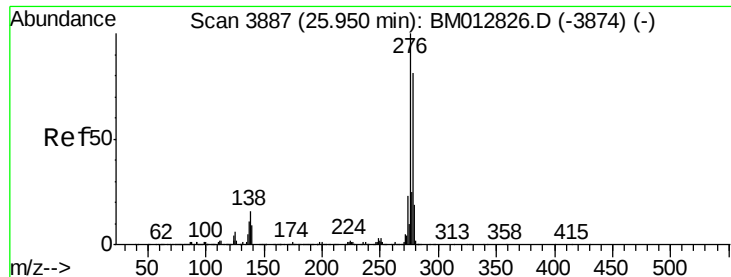


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Indeno(1,2,3-cd)pyrene

Concen: 8.50 ng/ul

RT: 25.97 min Scan# 3891

Delta R.T. 0.02 min

Lab File: BM012834.D

Acq: 08 Nov 2017 22:55

Instrument :

BNA_M

ClientSampleId :

B-78(5-7)-102517

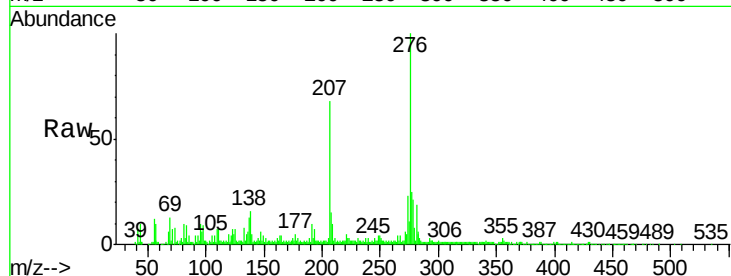
Tot Ion:276 Resp: 439687

Ion Ratio Lower Upper

276 100

138 15.8 22.3 33.5#

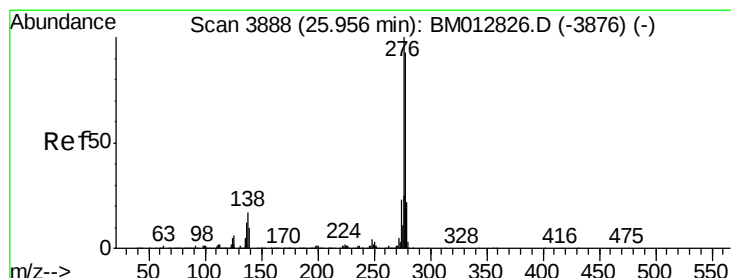
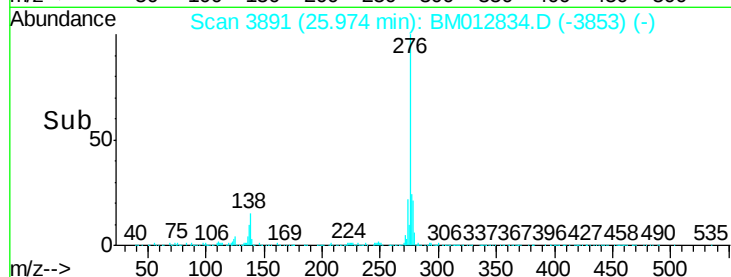
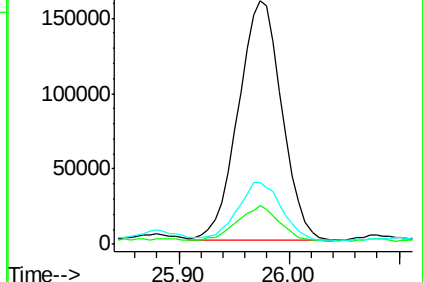
277 25.2 20.2 30.2



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



#92

Dibenzo(a,h)anthracene

Concen: 2.74 ng/ul

RT: 25.97 min Scan# 3890

Delta R.T. 0.01 min

Lab File: BM012834.D

Acq: 08 Nov 2017 22:55

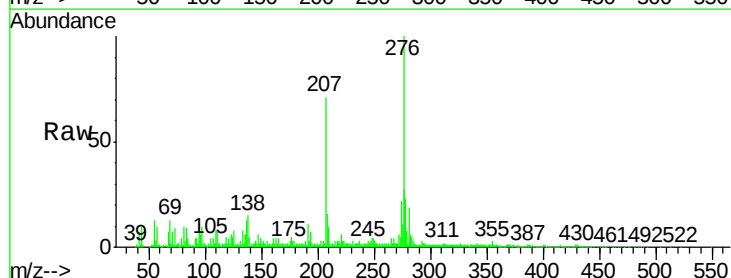
Tgt Ion:278 Resp: 120062

Ion Ratio Lower Upper

278 100

139 21.9 13.9 20.9#

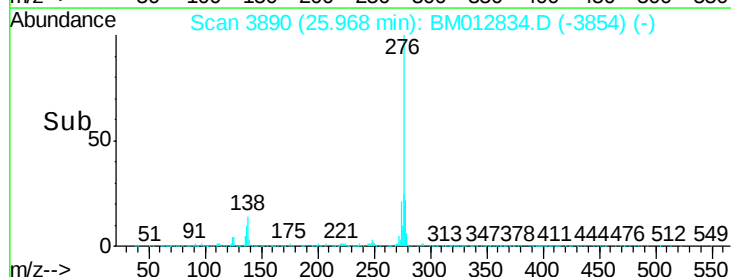
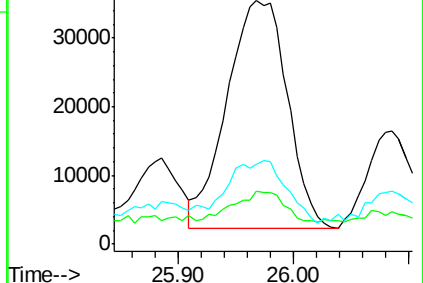
279 33.0 19.0 28.4#

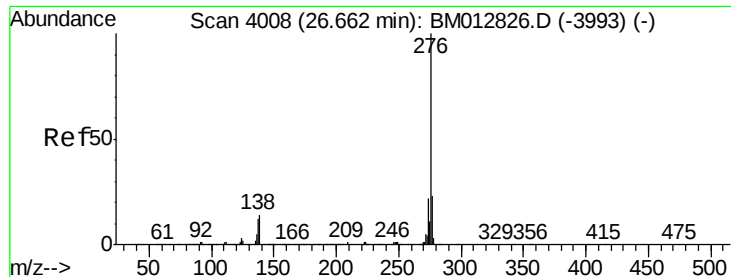


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#93

Benzo(a,h,i)perylene

Concen: 9.12 ng/ul

RT: 26.69 min Scan# 4013

Delta R.T. 0.03 min

Lab File: BM012834.D

Acq: 08 Nov 2017 22:55

Instrument :

BNA_M

ClientSampleId :

B-78(5-7)-102517

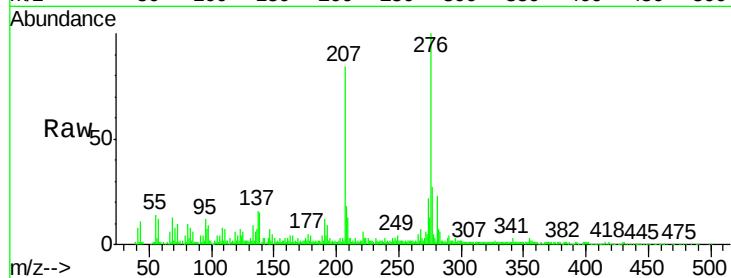
Tot Ion:276 Resp: 388943

Ion Ratio Lower Upper

276 100

138 15.3 18.9 28.3#

277 26.6 19.2 28.8



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

