

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052119\
 Data File : BM020486.D
 Acq On : 22 May 2019 07:06
 Operator : JU/SJ
 Sample : K2923-10DL 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4257DL

Quant Time: May 22 07:47:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 22 06:40:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	69281	20.00	ng/ul	0.00
18) Naphthalene-d8	10.52	136	251058	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.38	164	151124	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.15	188	377401	20.00	ng/ul	0.02
77) Chrysene-d12	21.36	240	786	20.00	ng/ul	0.04
85) Perylene-d12	23.61	264	366	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	1265	0.67	ng/uL	0.01
5) Phenol-d5	6.90	99	11262	2.04	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.07	67	7479	2.13	ng/ul	0.01
9) 2-Chlorophenol-d4	7.26	132	10886	2.69	ng/ul	0.00
13) 4-Methylphenol-d8	8.44	113	8656	2.15	ng/ul	0.01
19) Nitrobenzene-d5	8.90	128	3754	2.30	ng/ul	0.02
22) 2-Nitrophenol-d4	9.62	143	4159	2.31	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.16	165	9275	2.43	ng/ul	0.02
29) 4-Chloroaniline-d4	10.69	131	1947	0.49	ng/ul	0.02
43) Dimethylphthalate-d6	13.79	166	31960	2.94	ng/ul	0.00
46) Acenaphthylene-d8	14.07	160	39473	2.90	ng/ul	0.01
51) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
57) Fluorene-d10	15.37	176	30777	3.18	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	17.25	188	55010	3.40	ng/ul	0.03
78) Pyrene-d10	19.55	212	595	15.72	ng/ul	0.03
89) Benzo(a)pyrene-d12	23.47	264	427	25.67	ng/ul	0.03

Target Compounds

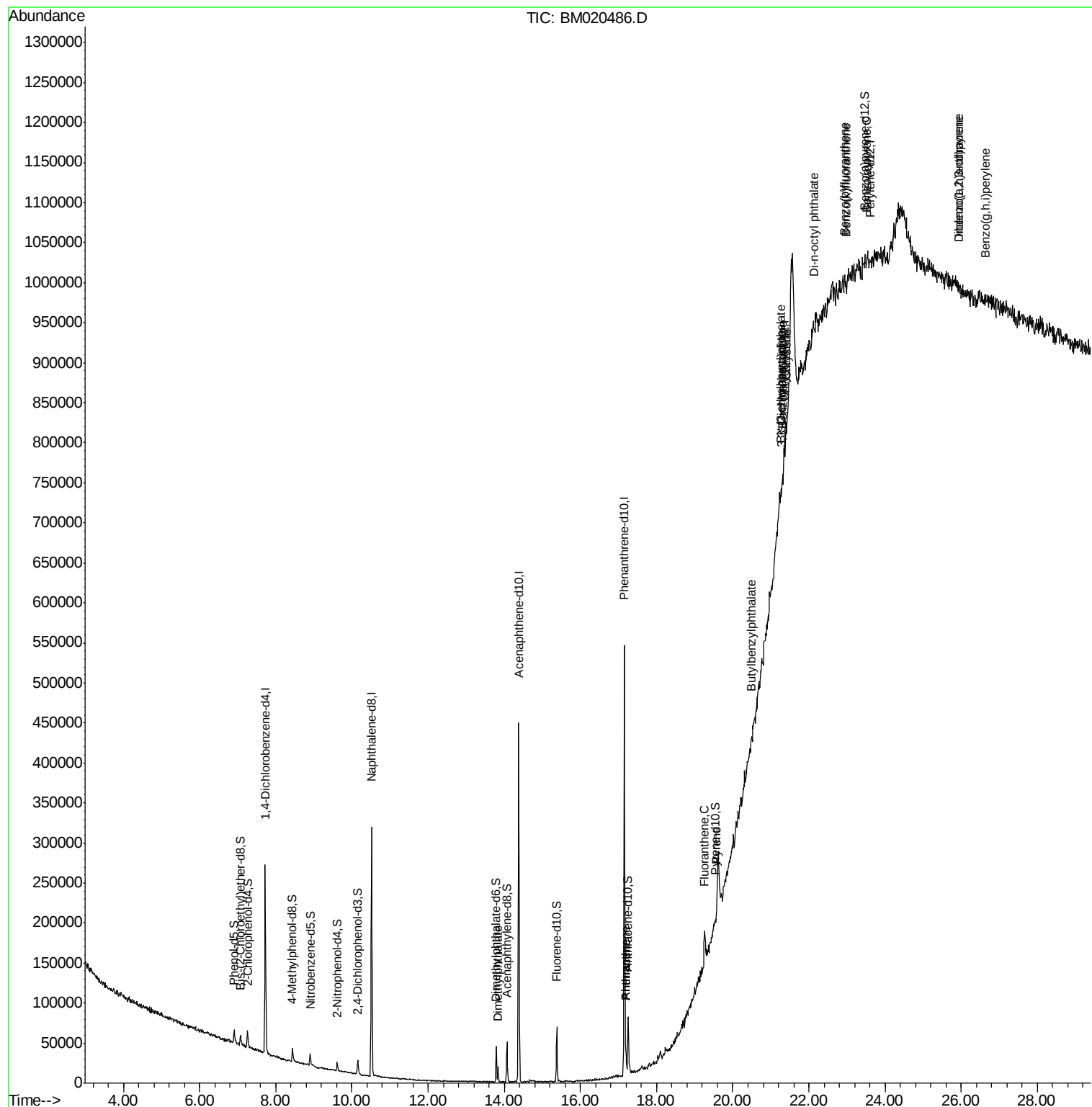
					Qvalue	
44) Dimethylphthalate	13.83	163	13065	1.215	ng/ul#	92
69) Phenanthrene	17.20	178	20006	1.113	ng/ul	98
71) Anthracene	17.20	178	20006	1.094	ng/ul	98
76) Fluoranthene	19.27	202	47352	2.085	ng/ul	97
79) Pyrene	19.57	202	89	1.886	ng/ul#	77
80) Butylbenzylphthalate	20.48	149	273	18.456	ng/ul#	42
81) 3,3'-Dichlorobenzidine	21.27	252	298	20.685	ng/ul#	87
82) Benzo(a)anthracene	21.32	228	297	6.278	ng/ul#	1
83) Bis(2-ethylhexyl)phthalate	21.26	149	805	37.494	ng/ul#	61
84) Chrysene	21.39	228	203	4.490	ng/ul#	1
86) Di-n-octyl phthalate	22.13	149	616	34.657	ng/ul	100
87) Benzo(b)fluoranthene	22.92	252	1084	51.894	ng/ul#	1
88) Benzo(k)fluoranthene	22.98	252	133	6.482	ng/ul#	1
90) Benzo(a)pyrene	23.51	252	854	43.443	ng/ul#	1
91) Indeno(1,2,3-cd)pyrene	25.93	276	329	14.688	ng/ul#	1
92) Dibenzo(a,h)anthracene	25.94	278	714	37.275	ng/ul#	1
93) Benzo(g,h,i)perylene	26.64	276	615	33.168	ng/ul#	1

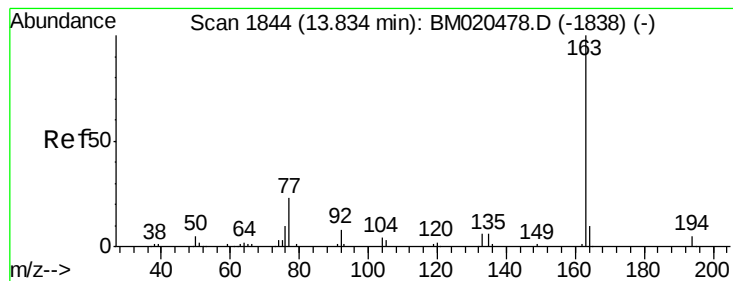
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#44

Dimethylphthalate

Concen: 1.215 ng/ul

RT: 13.83 min Scan# 1844

Delta R.T. -0.00 min

Lab File: BM020486.D

Acq: 22 May 2019 07:06

Instrument :

BNA_M

ClientSampleId :

A4257DL

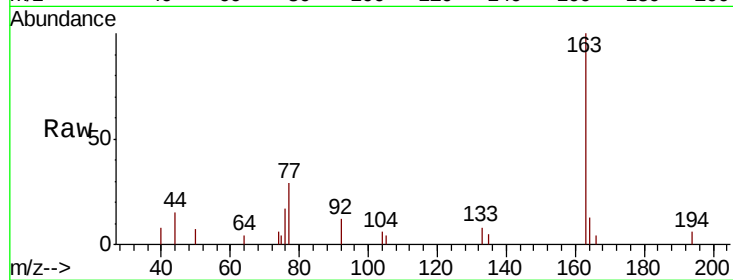
Tgt Ion:163 Resp: 13065

Ion Ratio Lower Upper

163 100

194 5.7 3.3 4.9#

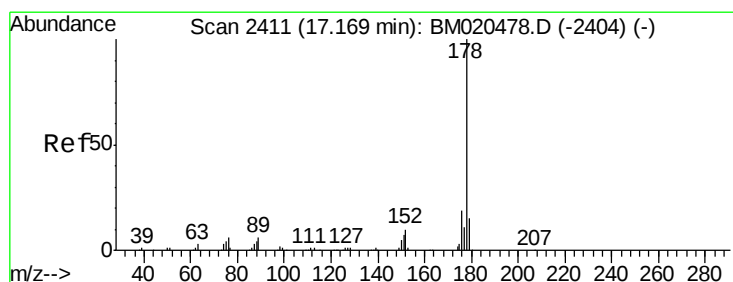
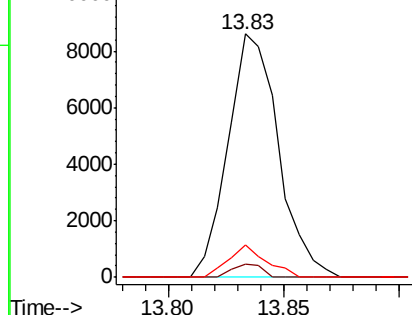
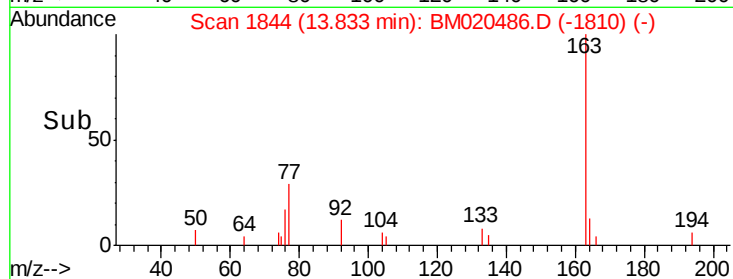
164 13.4 8.0 12.0#



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



#69

Phenanthrene

Concen: 1.113 ng/ul

RT: 17.20 min Scan# 2416

Delta R.T. 0.03 min

Lab File: BM020486.D

Acq: 22 May 2019 07:06

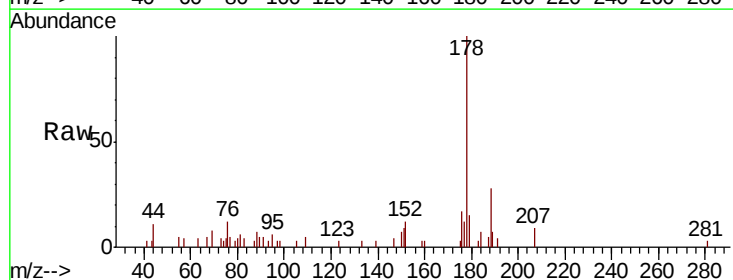
Tgt Ion:178 Resp: 20006

Ion Ratio Lower Upper

178 100

179 15.3 11.9 17.9

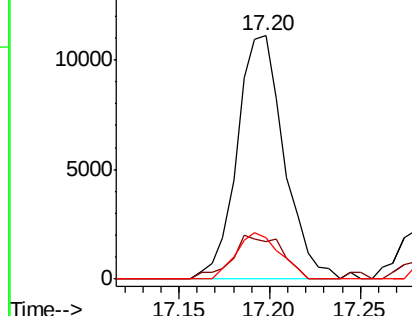
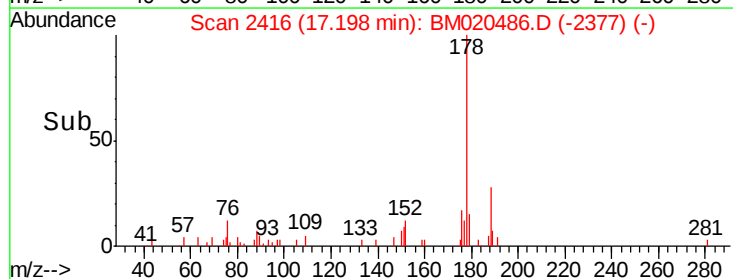
176 16.9 14.6 22.0

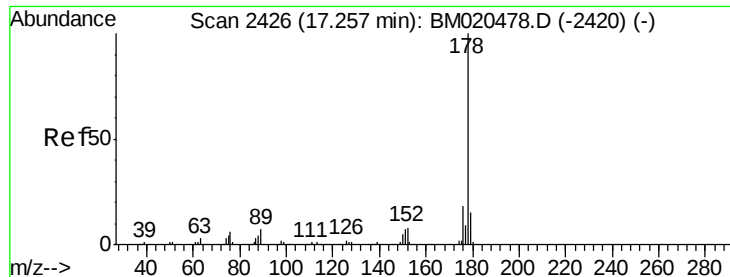


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

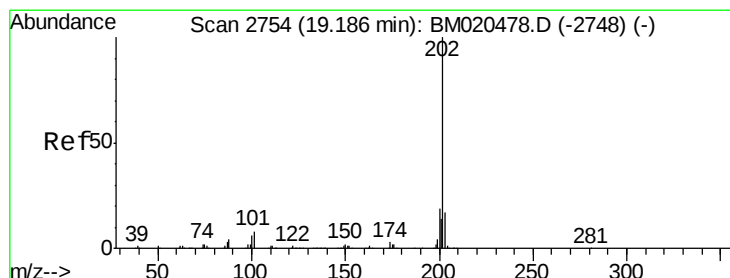
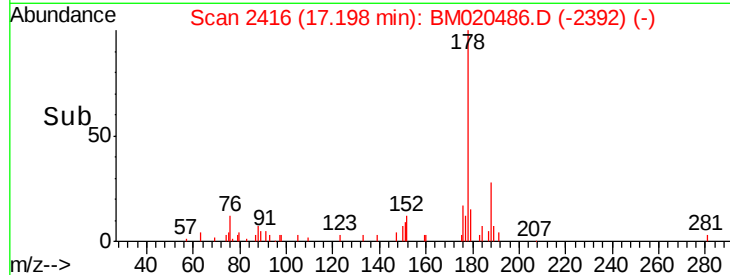
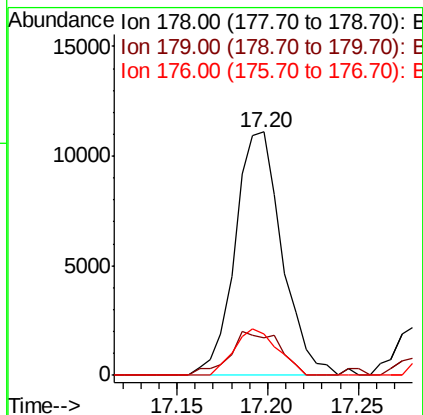
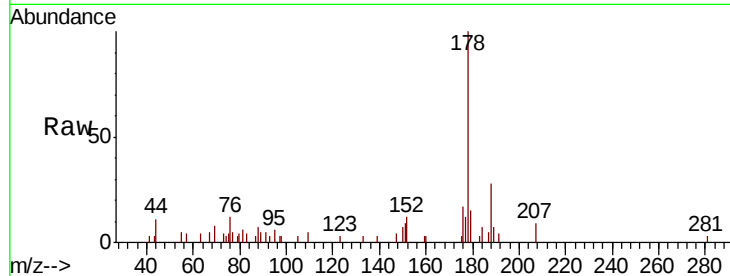




#71
 Anthracene
 Concen: 1.094 ng/ul
 RT: 17.20 min Scan# 2416
 Delta R.T. -0.06 min
 Lab File: BM020486.D
 Acq: 22 May 2019 07:06

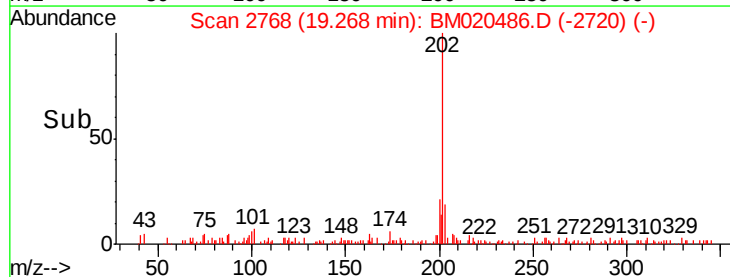
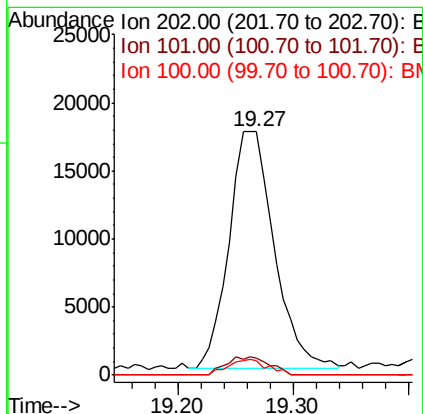
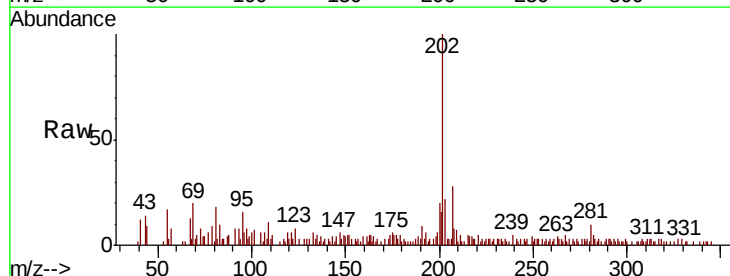
Instrument :
 BNA_M
 ClientSampleId :
 A4257DL

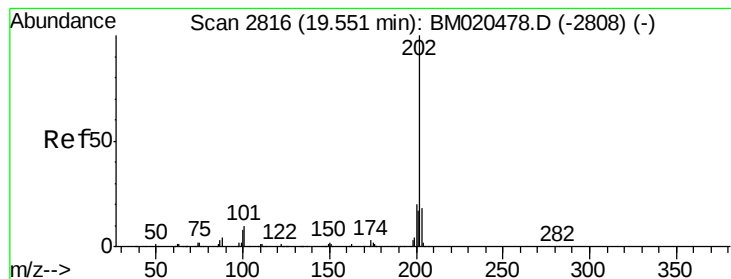
Tgt Ion:178 Resp: 20006
 Ion Ratio Lower Upper
 178 100
 179 15.3 12.4 18.6
 176 16.9 14.4 21.6



#76
 Fluoranthene
 Concen: 2.085 ng/ul
 RT: 19.27 min Scan# 2768
 Delta R.T. 0.08 min
 Lab File: BM020486.D
 Acq: 22 May 2019 07:06

Tgt Ion:202 Resp: 47352
 Ion Ratio Lower Upper
 202 100
 101 6.9 6.4 9.6
 100 5.8 5.2 7.8





#79

Pyrene

Concen: 1.886 ng/ul

RT: 19.57 min Scan# 2819

Delta R.T. 0.02 min

Lab File: BM020486.D

Acq: 22 May 2019 07:06

Instrument :

BNA_M

ClientSampled :

A4257DL

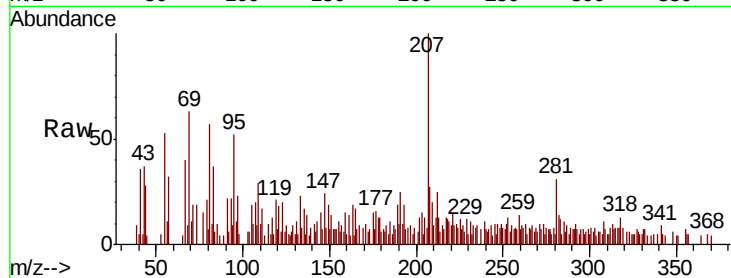
Tgt Ion: 202 Resp: 89

Ion Ratio Lower Upper

202 100

101 0.0 7.1 10.7#

100 0.0 5.9 8.9#

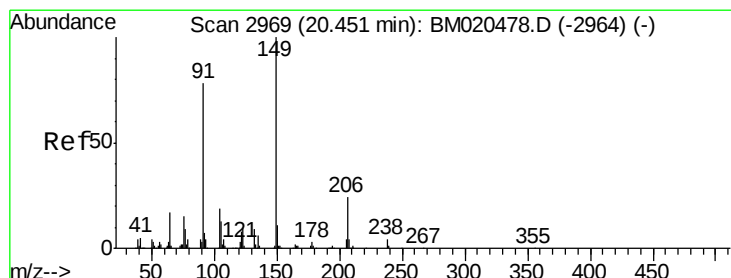
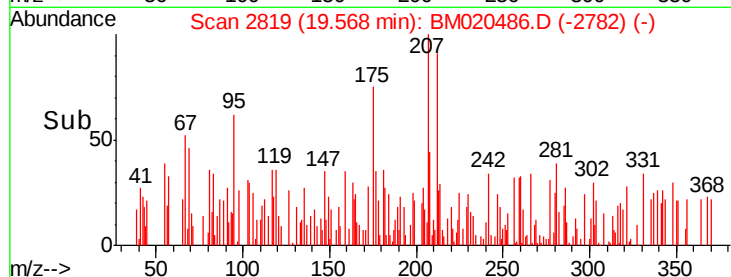
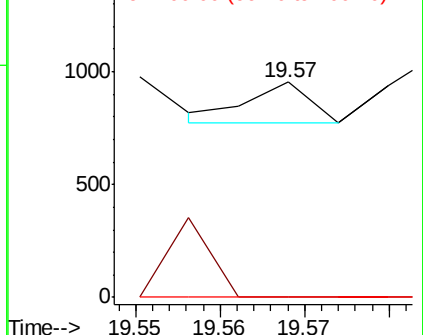


Abundance

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

Butylbenzylphthalate

Concen: 18.456 ng/ul

RT: 20.48 min Scan# 2974

Delta R.T. 0.03 min

Lab File: BM020486.D

Acq: 22 May 2019 07:06

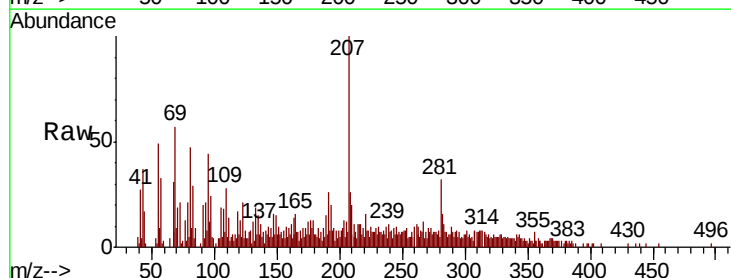
Tgt Ion: 149 Resp: 273

Ion Ratio Lower Upper

149 100

91 131.6 63.0 94.4#

206 47.7 18.2 27.4#

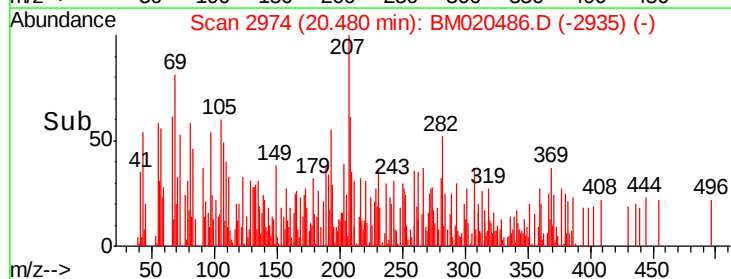
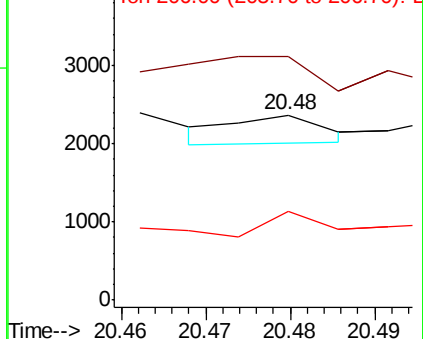


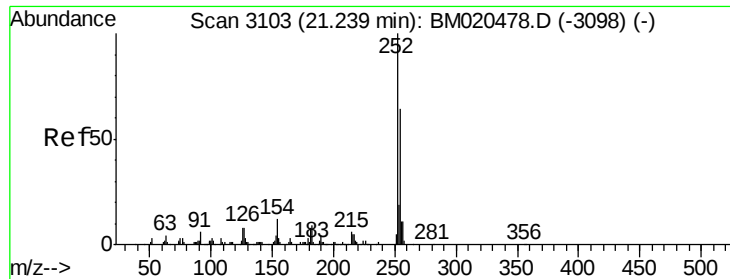
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): B

Ion 206.00 (205.70 to 206.70): E

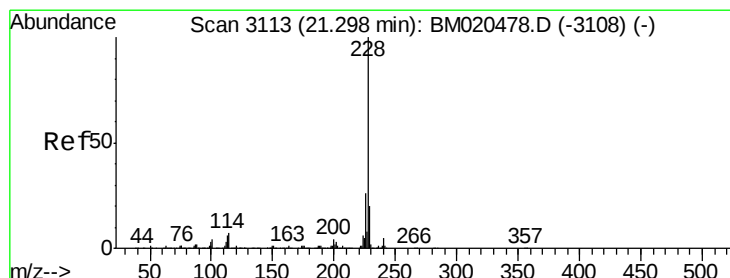
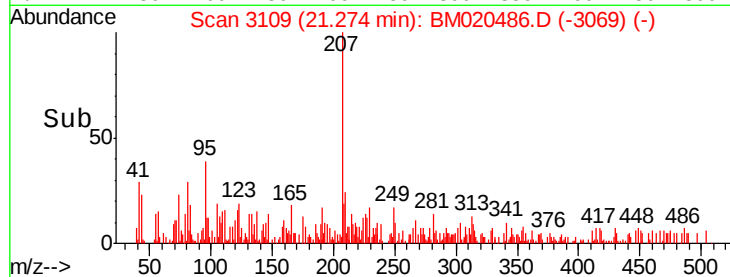
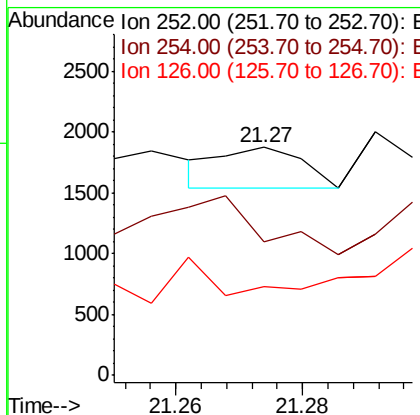
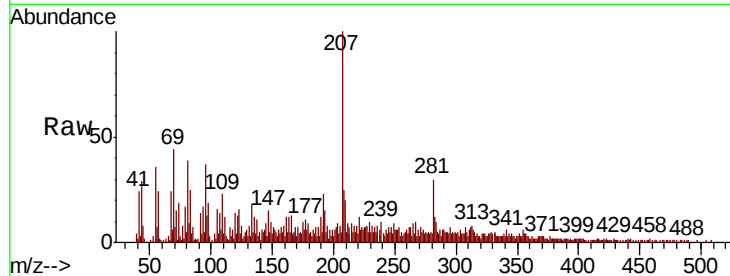




#81
 3,3'-Dichlorobenzidine
 Concen: 20.685 ng/ul
 RT: 21.27 min Scan# 3109
 Delta R.T. 0.03 min
 Lab File: BM020486.D
 Acq: 22 May 2019 07:06

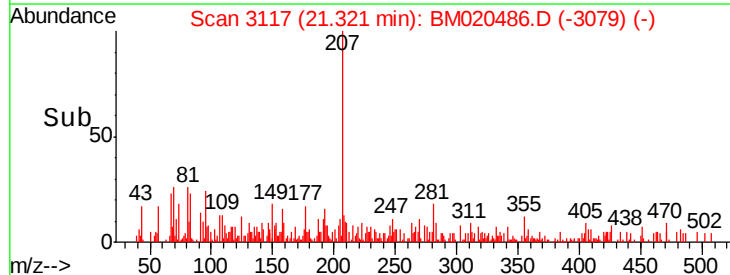
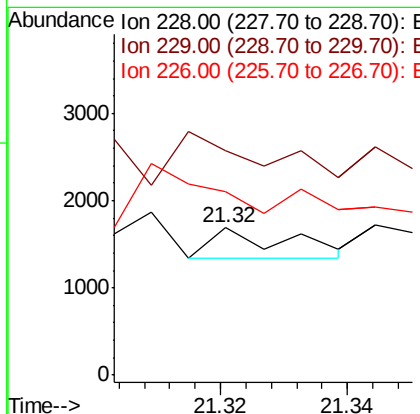
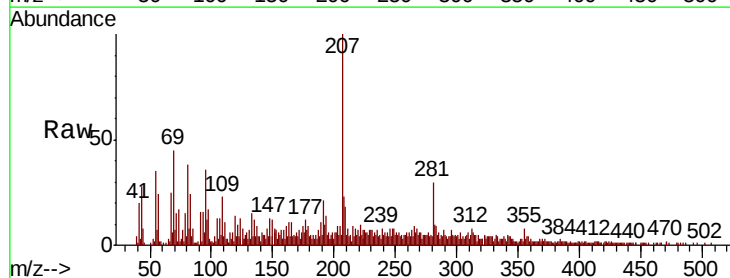
Instrument :
 BNA_M
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 A4257DL

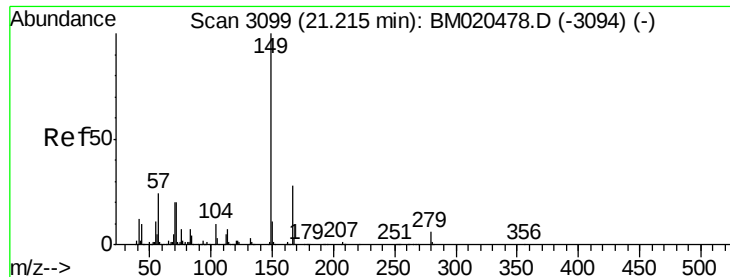
Tgt Ion: 252 Resp: 298
 Ion Ratio Lower Upper
 252 100
 254 58.8 49.4 74.0
 126 38.7 5.8 8.8#



#82
 Benzo(a)anthracene
 Concen: 6.278 ng/ul
 RT: 21.32 min Scan# 3117
 Delta R.T. 0.02 min
 Lab File: BM020486.D
 Acq: 22 May 2019 07:06

Tgt Ion: 228 Resp: 297
 Ion Ratio Lower Upper
 228 100
 229 152.5 15.8 23.8#
 226 124.7 20.6 30.8#





#83

Bis(2-ethylhexyl)phthalate

Concen: 37.494 ng/ul

RT: 21.26 min Scan# 3106

Delta R.T. 0.04 min

Lab File: BM020486.D

Acq: 22 May 2019 07:06

Instrument :

BNA_M

ClientSampleId :

A4257DL

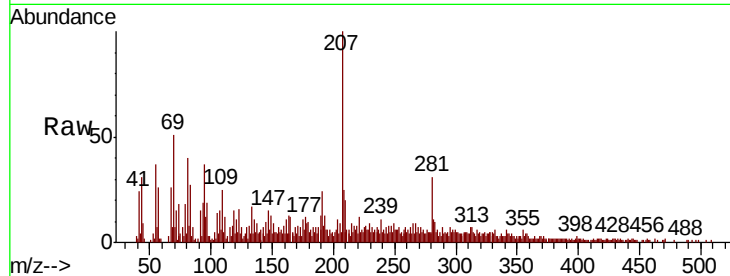
Tgt Ion:149 Resp: 805

Ion Ratio Lower Upper

149 100

167 41.1 22.5 33.7#

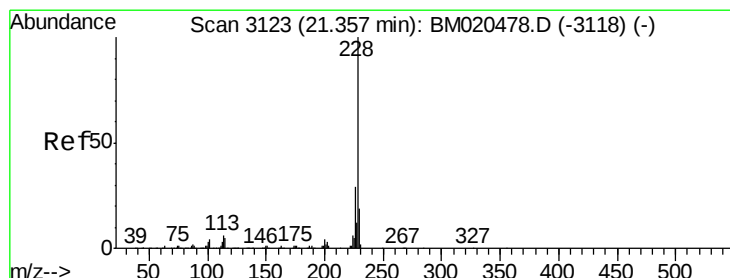
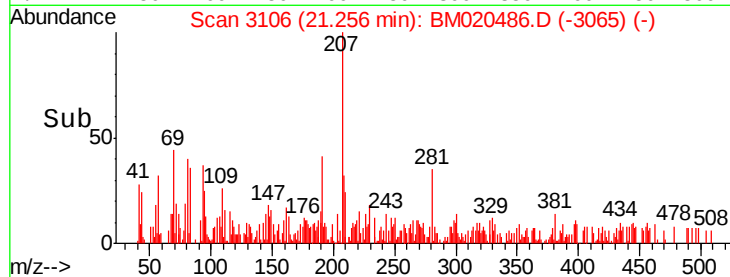
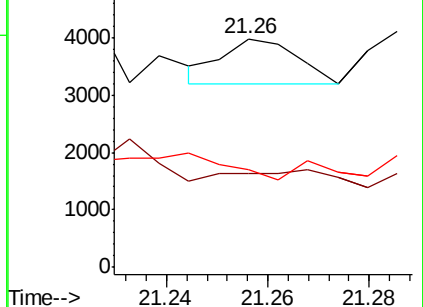
279 42.9 4.2 6.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Chrysene

Concen: 4.490 ng/ul

RT: 21.39 min Scan# 3129

Delta R.T. 0.03 min

Lab File: BM020486.D

Acq: 22 May 2019 07:06

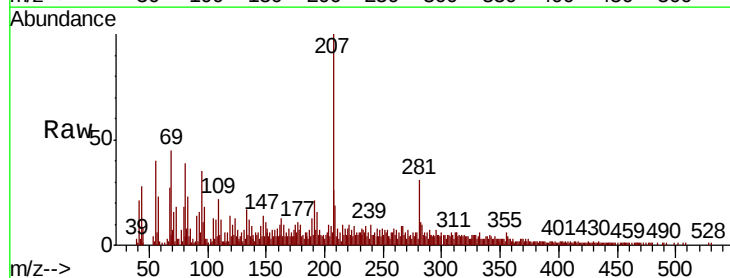
Tgt Ion:228 Resp: 203

Ion Ratio Lower Upper

228 100

226 112.5 22.2 33.4#

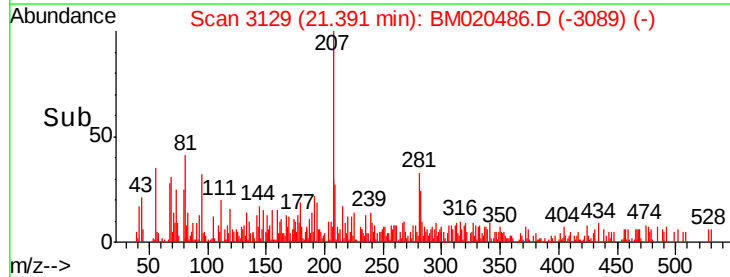
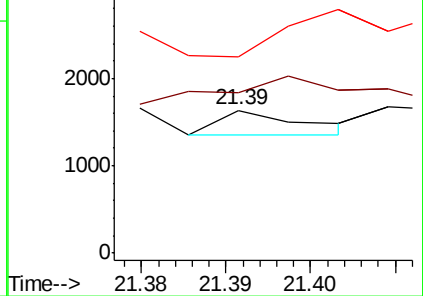
229 137.6 15.4 23.2#

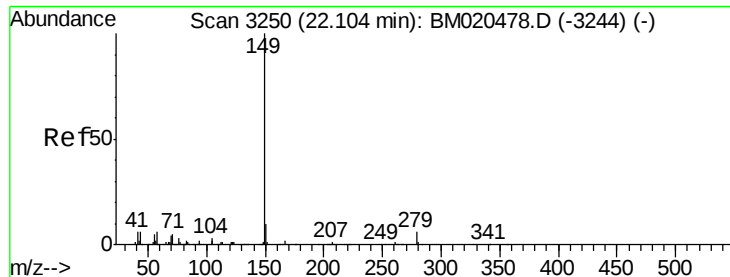


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Di-n-octyl phthalate

Concen: 34.657 ng/ul

RT: 22.13 min Scan# 3254

Delta R.T. 0.02 min

Lab File: BM020486.D

Acq: 22 May 2019 07:06

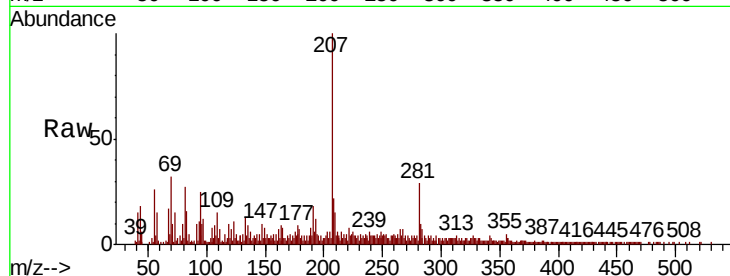
Instrument :

BNA_M

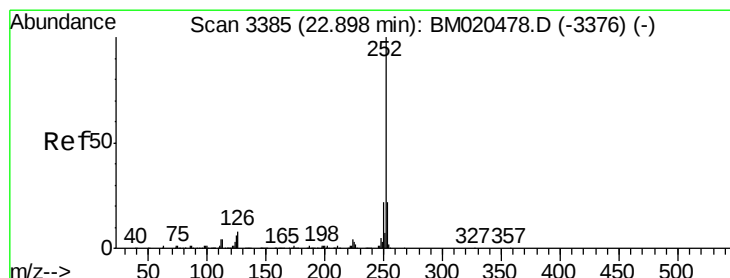
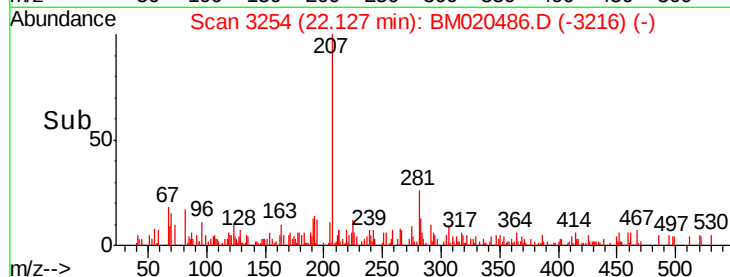
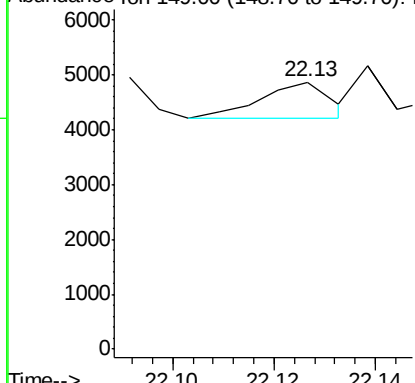
ClientSampleId :

A4257DL

Tgt Ion:149 Resp: 616



Abundance Ion 149.00 (148.70 to 149.70): E



#87

Benzo(b)fluoranthene

Concen: 51.894 ng/ul

RT: 22.92 min Scan# 3389

Delta R.T. 0.02 min

Lab File: BM020486.D

Acq: 22 May 2019 07:06

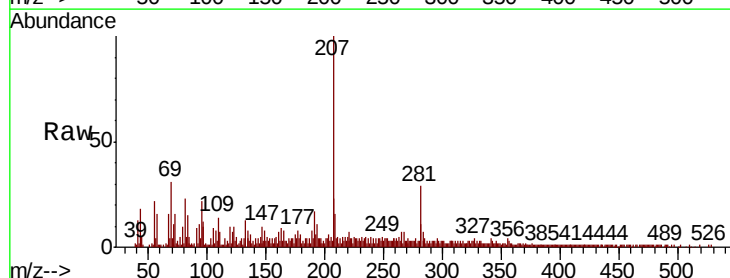
Tgt Ion:252 Resp: 1084

Ion Ratio Lower Upper

252 100

253 105.9 17.0 25.6#

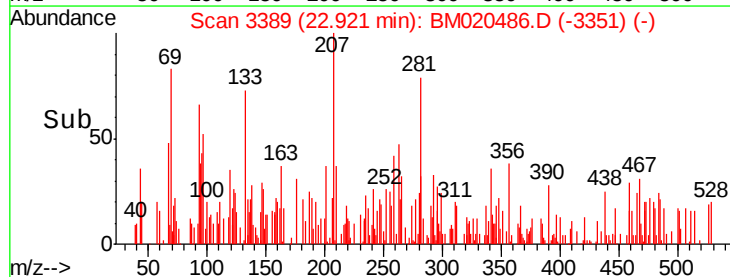
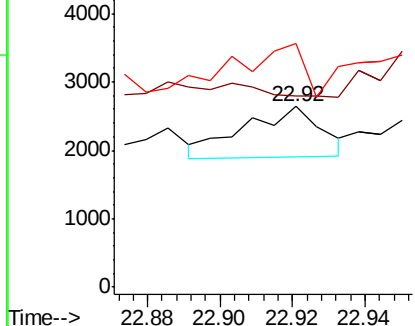
125 134.8 5.0 7.4#

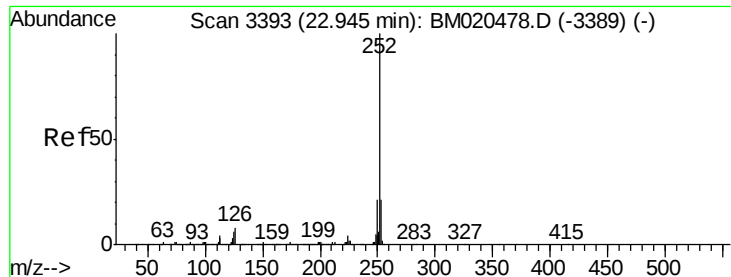


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 6.482 ng/ul

RT: 22.98 min Scan# 3399

Delta R.T. 0.03 min

Lab File: BM020486.D

Acq: 22 May 2019 07:06

Instrument :

BNA_M

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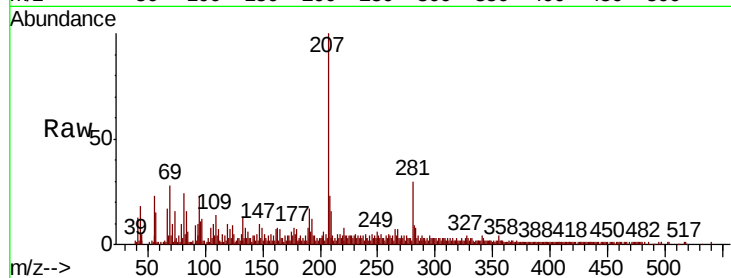
Tgt Ion:252 Resp: 133

Ion Ratio Lower Upper

252 100

253 141.4 17.6 26.4#

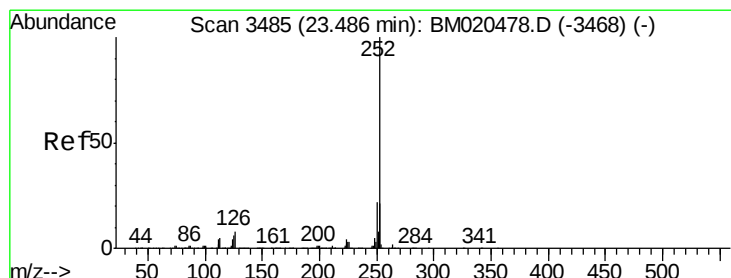
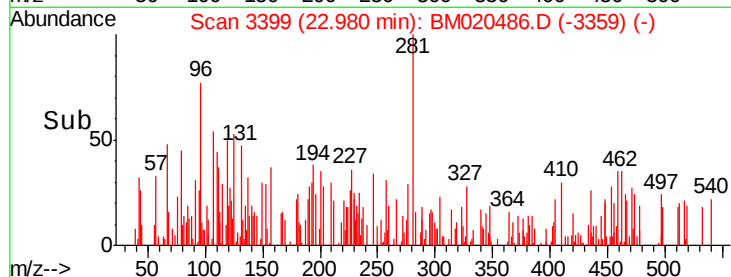
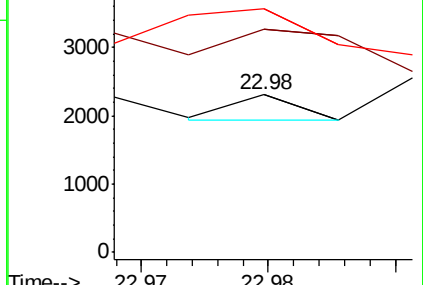
125 154.4 5.0 7.6#



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



#90

Benzo(a)pyrene

Concen: 43.443 ng/ul

RT: 23.51 min Scan# 3490

Delta R.T. 0.03 min

Lab File: BM020486.D

Acq: 22 May 2019 07:06

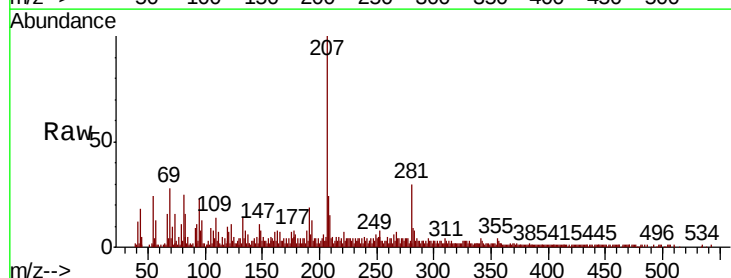
Tgt Ion:252 Resp: 854

Ion Ratio Lower Upper

252 100

253 63.8 17.4 26.2#

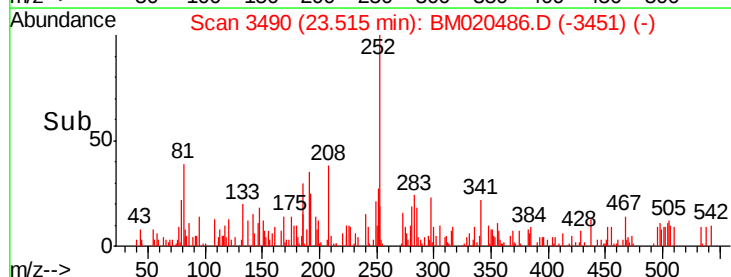
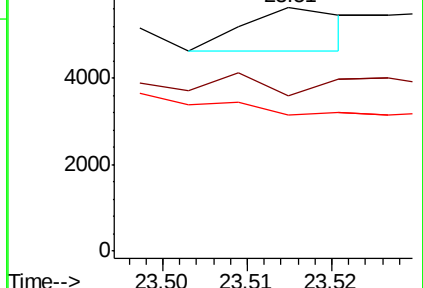
125 56.1 5.4 8.2#

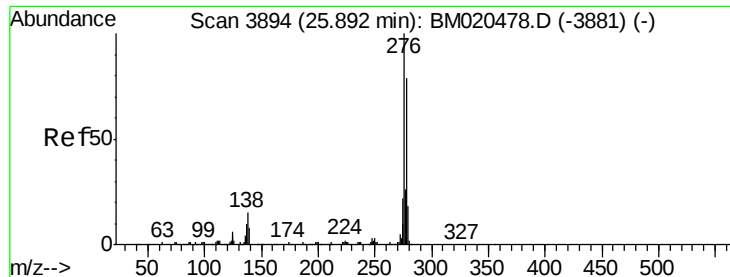


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



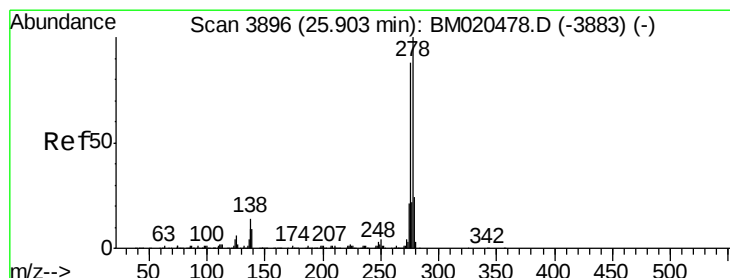
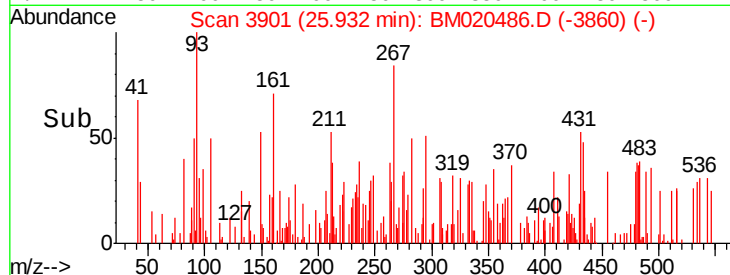
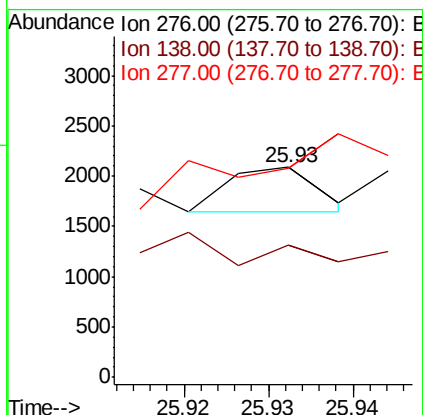
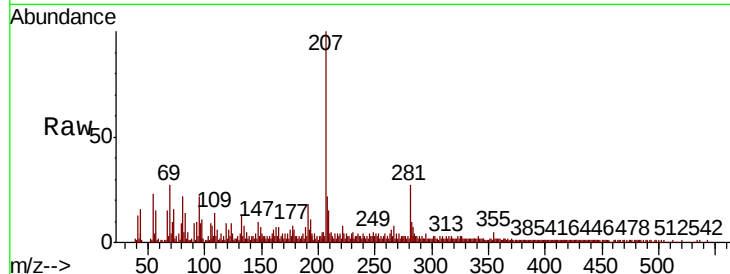


#91

Indeno(1,2,3-cd)pyrene
Concen: 14.688 ng/ul
RT: 25.93 min Scan# 3901
Delta R.T. 0.04 min
Lab File: BM020486.D
Acq: 22 May 2019 07:06

Instrument :
BNA_M
ClientSampleId :
A4257DL

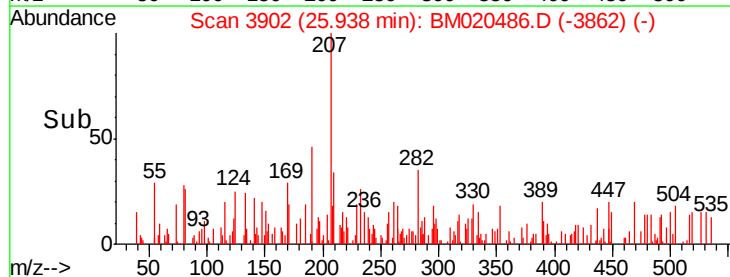
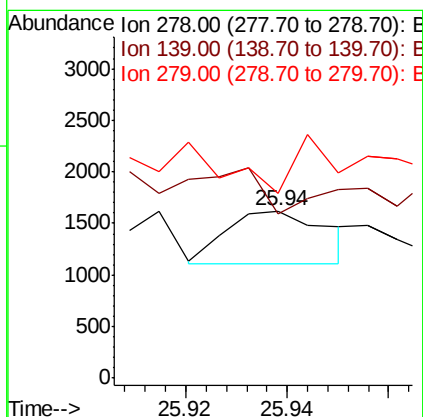
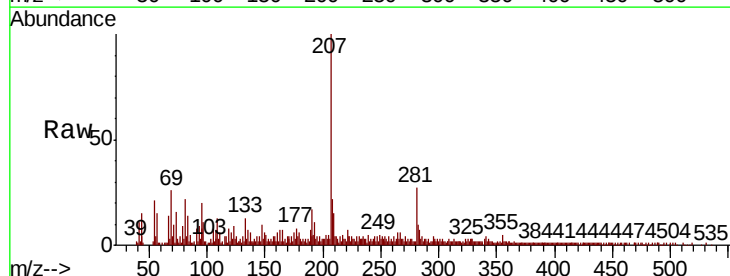
Tgt Ion:276 Resp: 329
Ion Ratio Lower Upper
276 100
138 62.7 12.3 18.5#
277 99.6 20.0 30.0#

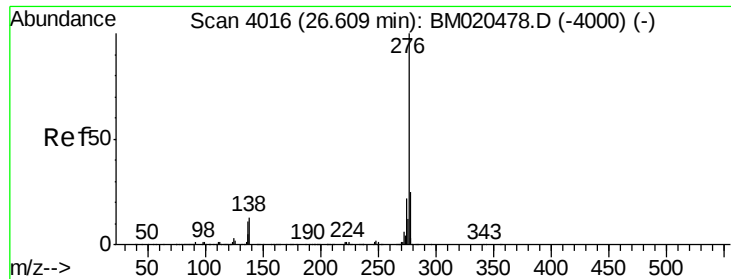


#92

Dibenzo(a,h)anthracene
Concen: 37.275 ng/ul
RT: 25.94 min Scan# 3902
Delta R.T. 0.03 min
Lab File: BM020486.D
Acq: 22 May 2019 07:06

Tgt Ion:278 Resp: 714
Ion Ratio Lower Upper
278 100
139 98.6 8.1 12.1#
279 110.4 18.7 28.1#





#93

Benzo(g,h,i)perylene

Concen: 33.168 ng/ul

RT: 26.64 min Scan# 4021

Delta R.T. 0.03 min

Lab File: BM020486.D

Acq: 22 May 2019 07:06

Instrument :

BNA_M

ClientSampleId :

A4257DL

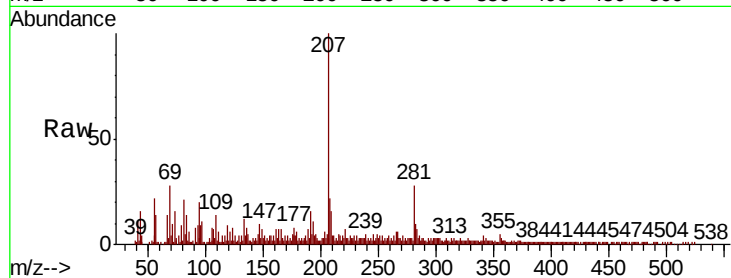
Tgt Ion:276 Resp: 615

Ion Ratio Lower Upper

276 100

138 72.9 10.0 15.0#

277 111.0 18.2 27.4#



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

