

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM062519\
 Data File : BM021175.D
 Acq On : 25 Jun 2019 23:29
 Operator : HP/JU
 Sample : K3498-06
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C5AA5

Quant Time: Jun 26 01:39:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 26 01:32:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	227801	20.00	ng/ul	0.00
18) Naphthalene-d8	10.56	136	1015976	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.41	164	695869	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.16	188	1784860	20.00	ng/ul	0.00
77) Chrysene-d12	21.34	240	1770217	20.00	ng/ul	0.00
85) Perylene-d12	23.61	264	1661458	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.29	96	17932	3.74	ng/uL	0.00
5) Phenol-d5	6.94	99	390194	19.68	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.11	67	243525	20.61	ng/ul	0.00
9) 2-Chlorophenol-d4	7.30	132	335669	20.83	ng/ul	0.00
13) 4-Methylphenol-d8	8.47	113	331656	20.04	ng/ul	0.00
19) Nitrobenzene-d5	8.93	128	184790	22.40	ng/ul	0.00
22) 2-Nitrophenol-d4	9.65	143	215431	23.52	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.17	165	426768	22.92	ng/ul	0.00
29) 4-Chloroaniline-d4	10.70	131	470036	24.20	ng/ul	0.00
43) Dimethylphthalate-d6	13.82	166	1535405	24.42	ng/ul	0.00
46) Acenaphthylene-d8	14.10	160	1737628	22.58	ng/ul	0.00
51) 4-Nitrophenol-d4	14.62	143	151279	14.79	ng/ul	0.00
57) Fluorene-d10	15.40	176	1353390	24.75	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.53	200	174239	15.88	ng/ul	0.00
70) Anthracene-d10	17.26	188	2213599	23.87	ng/ul	0.00
78) Pyrene-d10	19.55	212	2478641	23.33	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.47	264	2255374	23.01	ng/ul	0.00

Target Compounds

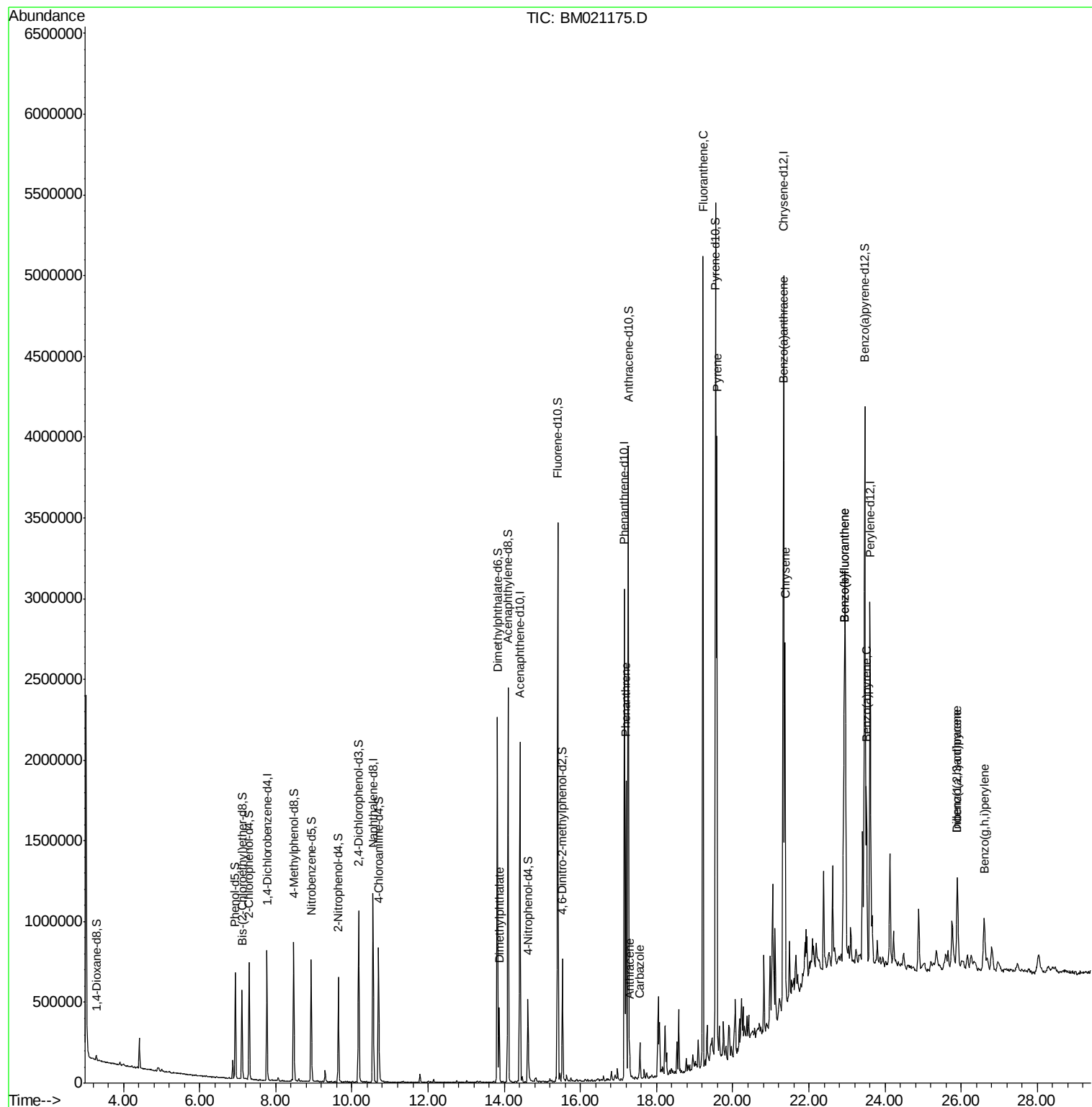
					Qvalue
44) Dimethylphthalate	13.87	163	300419	5.249	ng/ul 99
69) Phenanthrene	17.20	178	1111037	11.255	ng/ul 100
71) Anthracene	17.29	178	129041	1.283	ng/ul 99
74) Carbazole	17.56	167	136348	1.645	ng/ul 99
76) Fluoranthene	19.22	202	2964850	27.797	ng/ul 100
79) Pyrene	19.58	202	2323696	18.568	ng/ul 100
82) Benzo(a)anthracene	21.32	228	1163363	9.640	ng/ul 99
84) Chrysene	21.37	228	1265727	11.198	ng/ul 98
87) Benzo(b)fluoranthene	22.93	252	1537512	14.609	ng/ul 98
88) Benzo(k)fluoranthene	22.93	252	1537512	15.185	ng/ul 98
90) Benzo(a)pyrene	23.51	252	830981	8.389	ng/ul 99
91) Indeno(1,2,3-cd)pyrene	25.90	276	557858	4.782	ng/ul# 94
92) Dibenzo(a,h)anthracene	25.90	278	146590	1.494	ng/ul# 87
93) Benzo(g,h,i)perylene	26.60	276	416415	4.334	ng/ul 98

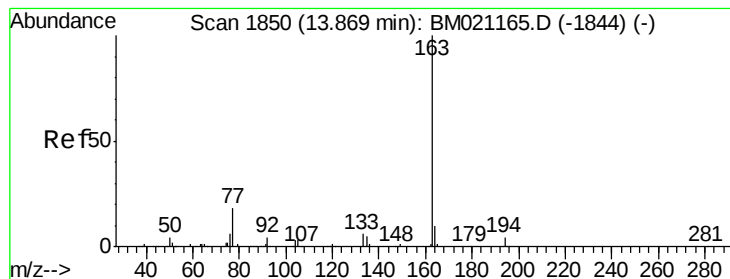
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Jun 26 01:32:57 2019
Response via : Initial Calibration





#44

Dimethylphthalate

Concen: 5.249 ng/ul

RT: 13.87 min Scan# 1850

Delta R.T. -0.00 min

Lab File: BM021175.D

Acq: 25 Jun 2019 23:29

Instrument :

BNA_M

ClientSampleId :

C5AA5

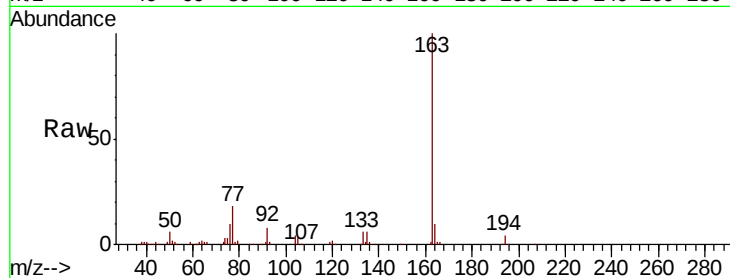
Tgt Ion:163 Resp: 300419

Ion Ratio Lower Upper

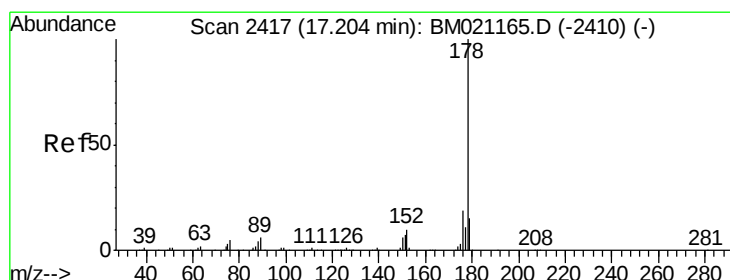
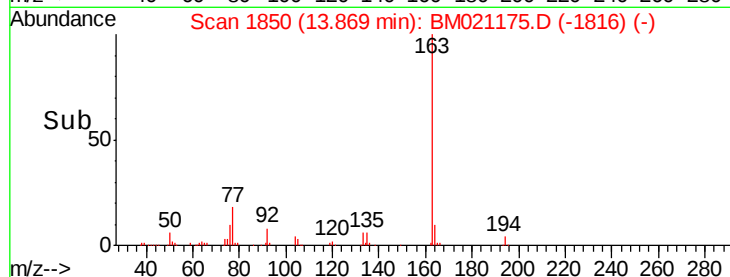
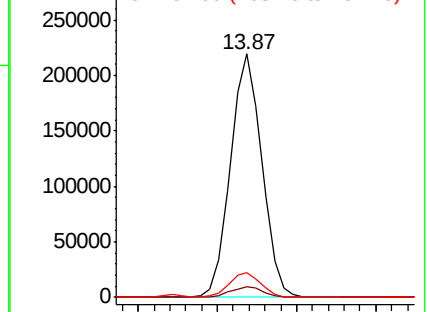
163 100

194 4.2 3.4 5.2

164 10.1 7.7 11.5



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: 11.255 ng/ul

RT: 17.20 min Scan# 2416

Delta R.T. -0.01 min

Lab File: BM021175.D

Acq: 25 Jun 2019 23:29

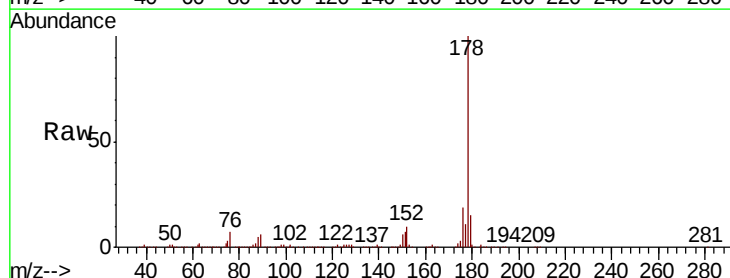
Tgt Ion:178 Resp: 1111037

Ion Ratio Lower Upper

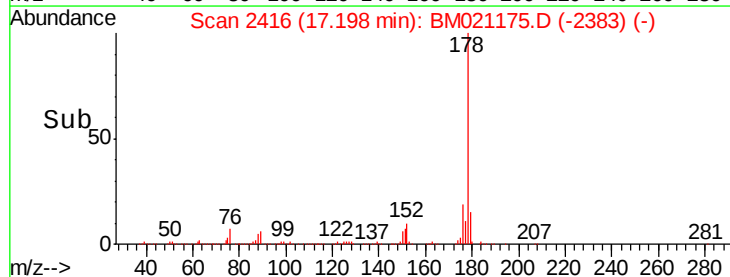
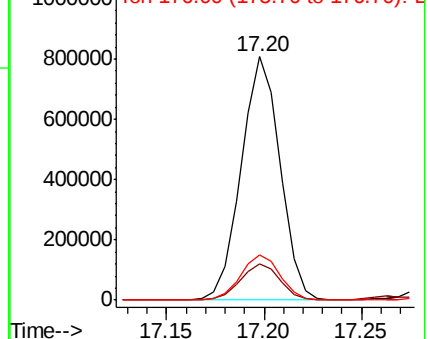
178 100

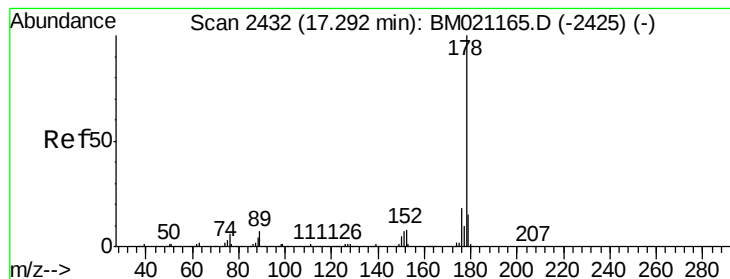
179 15.0 11.8 17.8

176 18.8 15.0 22.6



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: 1.283 ng/ul

RT: 17.29 min Scan# 2432

Delta R.T. -0.00 min

Lab File: BM021175.D

Acq: 25 Jun 2019 23:29

Instrument :

BNA_M

ClientSampleId :

C5AA5

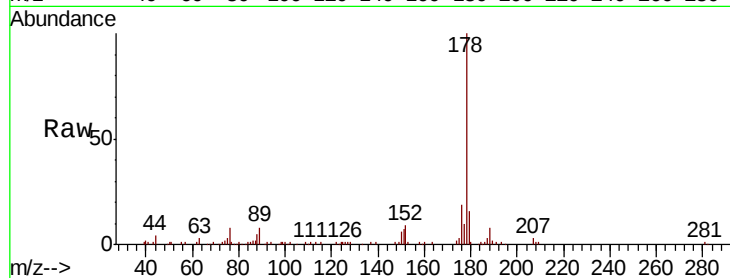
Tgt Ion:178 Resp: 129041

Ion Ratio Lower Upper

178 100

179 16.0 12.5 18.7

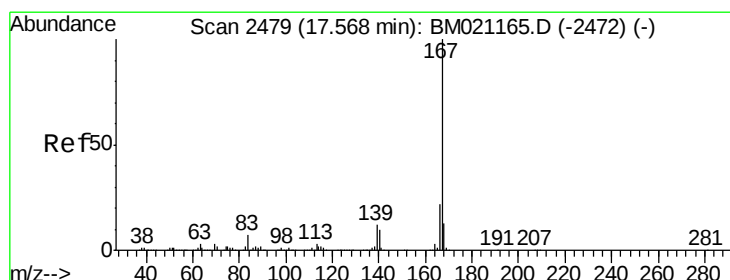
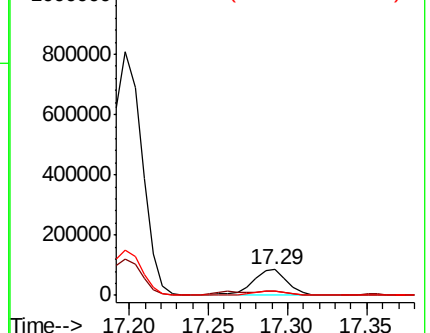
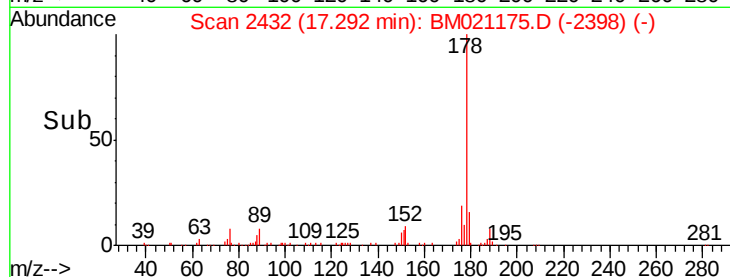
176 18.6 14.6 21.8



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



#74

Carbazole

Concen: 1.645 ng/ul

RT: 17.56 min Scan# 2478

Delta R.T. -0.01 min

Lab File: BM021175.D

Acq: 25 Jun 2019 23:29

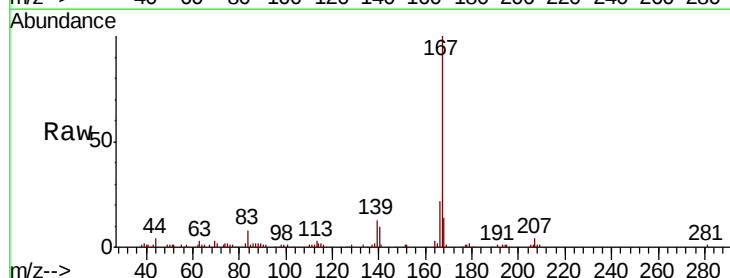
Tgt Ion:167 Resp: 136348

Ion Ratio Lower Upper

167 100

166 22.1 17.4 26.2

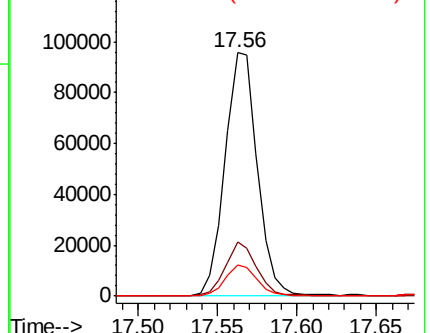
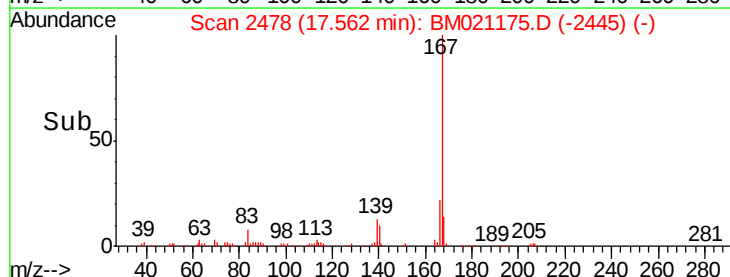
139 12.6 9.8 14.6

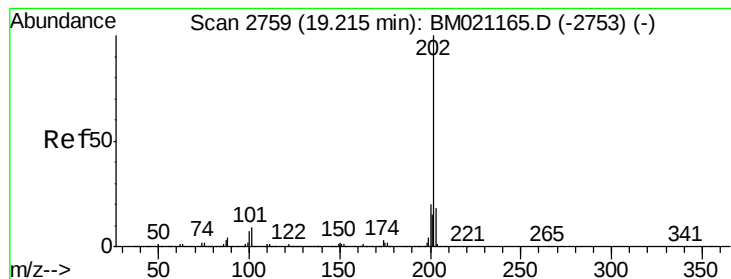


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#76

Fluoranthene

Concen: 27.797 ng/ul

RT: 19.22 min Scan# 2759

Delta R.T. -0.00 min

Lab File: BM021175.D

Acq: 25 Jun 2019 23:29

Instrument :

BNA_M

ClientSampleId :

C5AA5

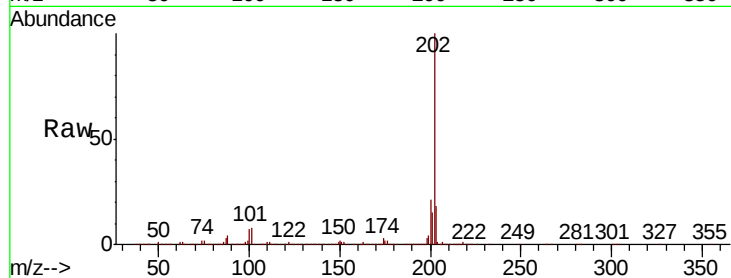
Tgt Ion:202 Resp: 2964850

Ion Ratio Lower Upper

202 100

101 8.4 6.7 10.1

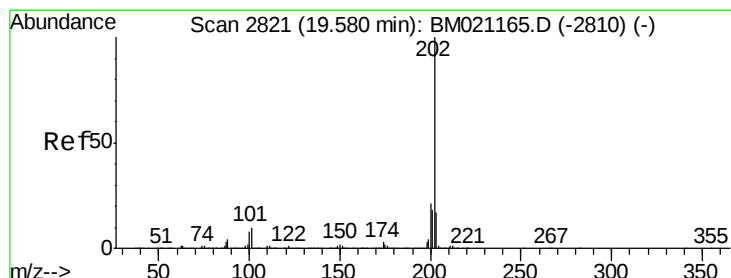
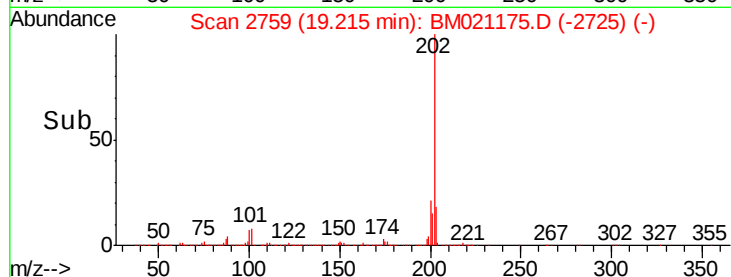
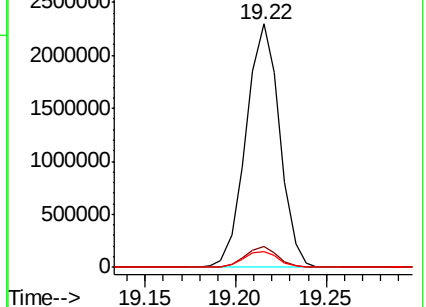
100 6.6 5.5 8.3



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



#79

Pyrene

Concen: 18.568 ng/ul

RT: 19.58 min Scan# 2821

Delta R.T. -0.00 min

Lab File: BM021175.D

Acq: 25 Jun 2019 23:29

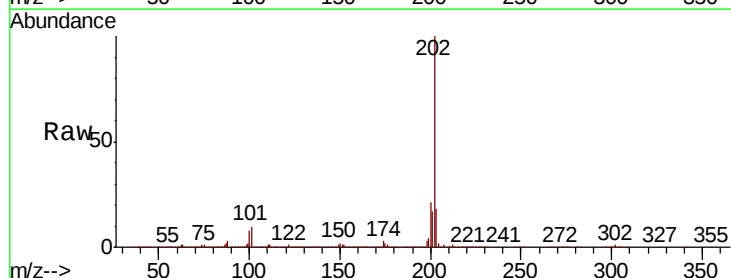
Tgt Ion:202 Resp: 2323696

Ion Ratio Lower Upper

202 100

101 10.0 8.1 12.1

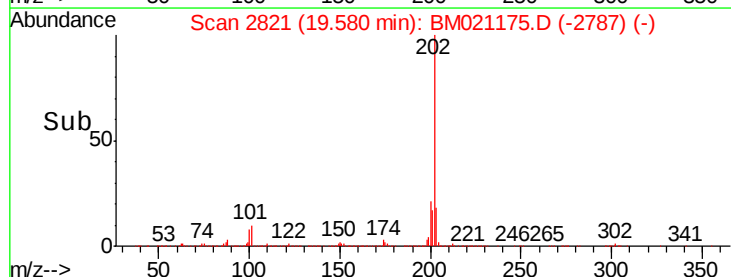
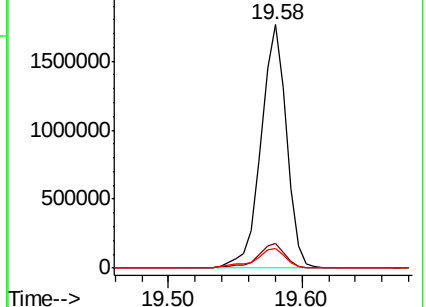
100 8.1 6.6 10.0

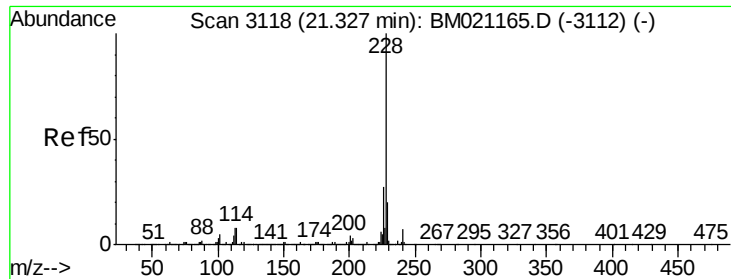


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 9.640 ng/ul

RT: 21.32 min Scan# 3117

Delta R.T. -0.01 min

Lab File: BM021175.D

Acq: 25 Jun 2019 23:29

Instrument :

BNA_M

ClientSampleId :

C5AA5

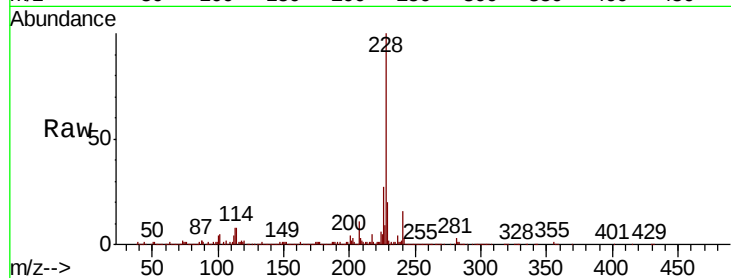
Tgt Ion:228 Resp: 1163363

Ion Ratio Lower Upper

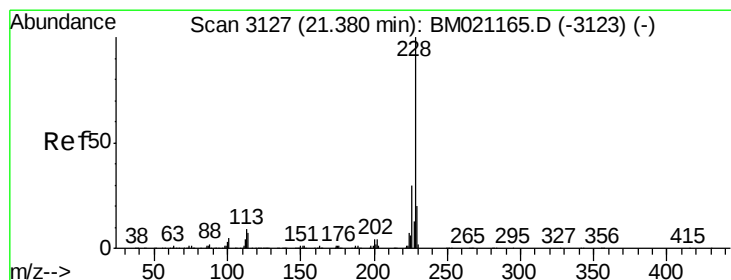
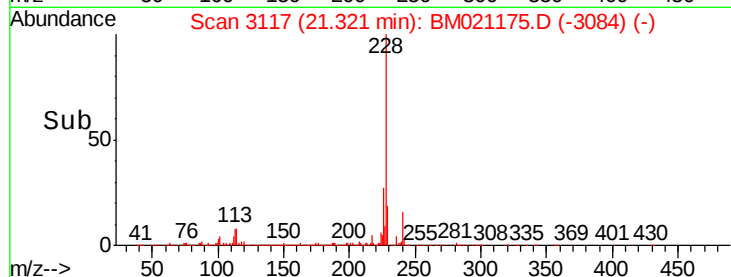
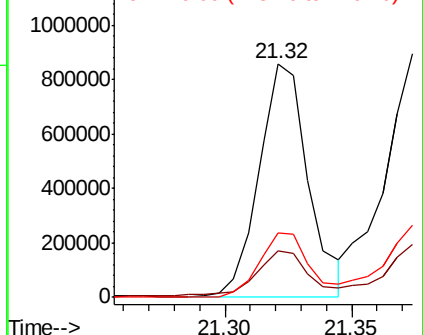
228 100

229 19.8 15.8 23.8

226 27.4 21.4 32.2



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: 11.198 ng/ul

RT: 21.37 min Scan# 3126

Delta R.T. -0.01 min

Lab File: BM021175.D

Acq: 25 Jun 2019 23:29

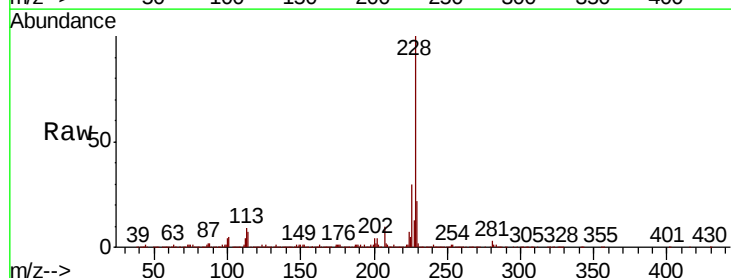
Tgt Ion:228 Resp: 1265727

Ion Ratio Lower Upper

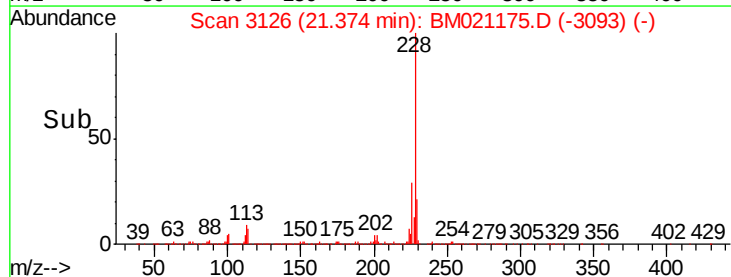
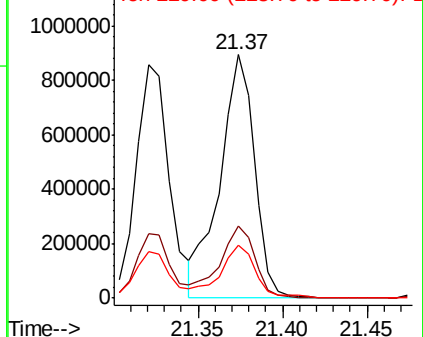
228 100

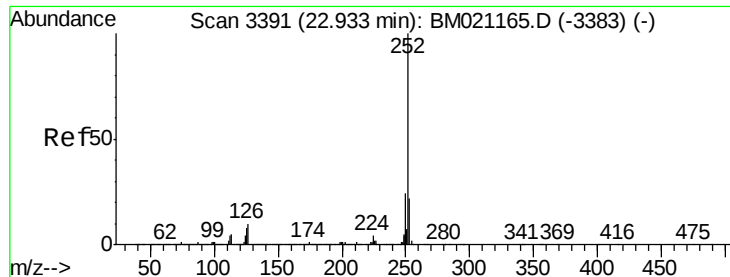
226 29.5 23.9 35.9

229 21.5 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





#87

Benzo(b)fluoranthene

Concen: 14.609 ng/ul

RT: 22.93 min Scan# 3390

Delta R.T. -0.01 min

Lab File: BM021175.D

Acq: 25 Jun 2019 23:29

Instrument :

BNA_M

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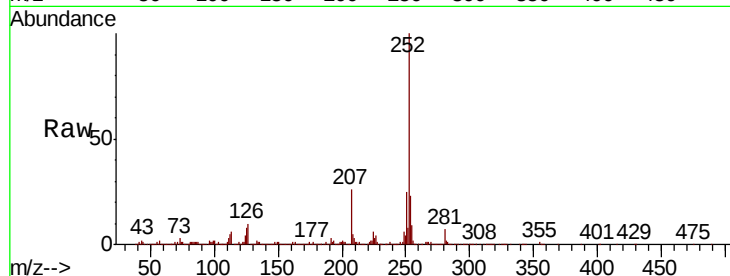
Tgt Ion:252 Resp: 1537512

Ion Ratio Lower Upper

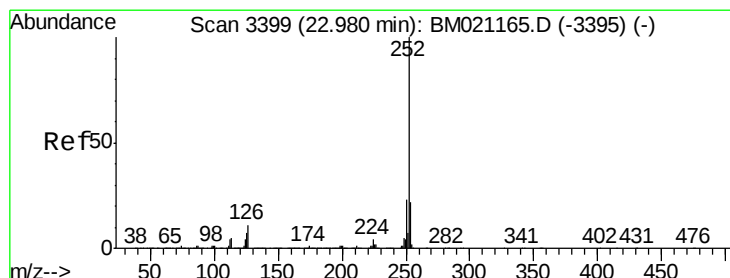
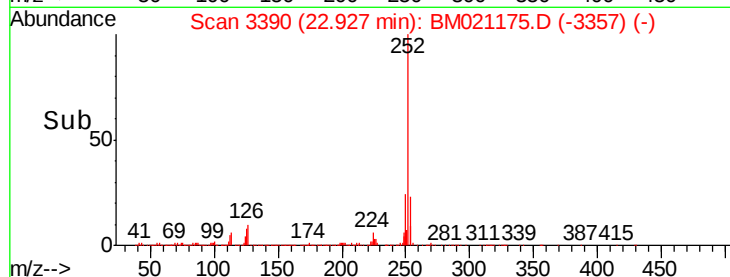
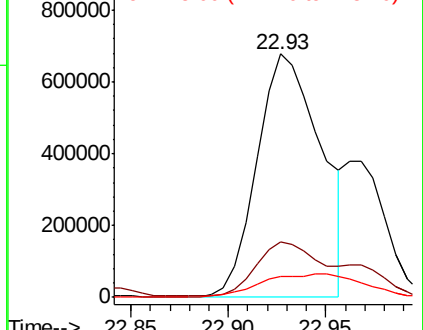
252 100

253 22.9 17.5 26.3

125 8.4 6.3 9.5



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: 15.185 ng/ul

RT: 22.93 min Scan# 3390

Delta R.T. -0.05 min

Lab File: BM021175.D

Acq: 25 Jun 2019 23:29

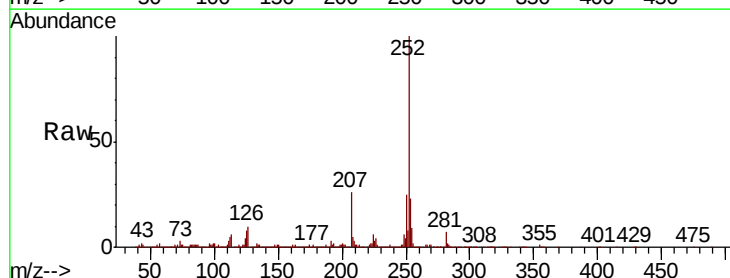
Tgt Ion:252 Resp: 1537512

Ion Ratio Lower Upper

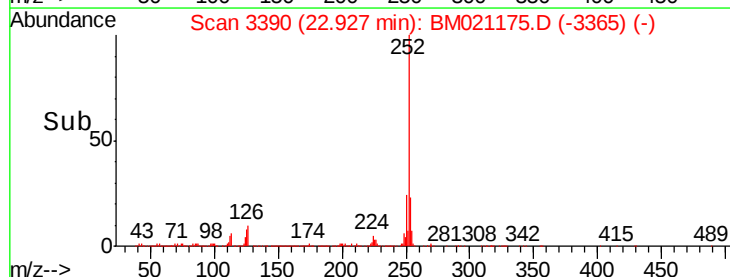
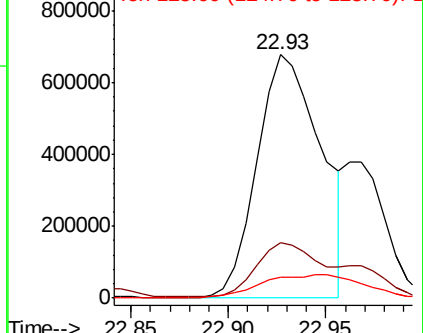
252 100

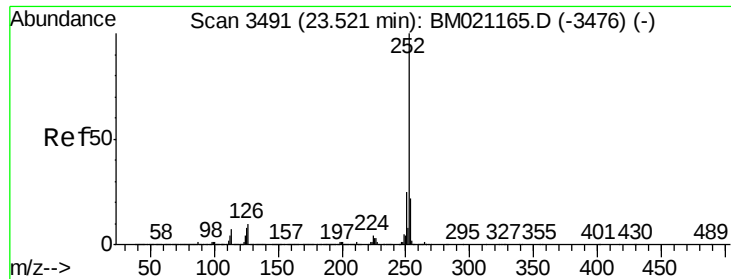
253 22.9 17.5 26.3

125 8.4 6.6 9.8



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: 8.389 ng/ul

RT: 23.51 min Scan# 3489

Delta R.T. -0.01 min

Lab File: BM021175.D

Acq: 25 Jun 2019 23:29

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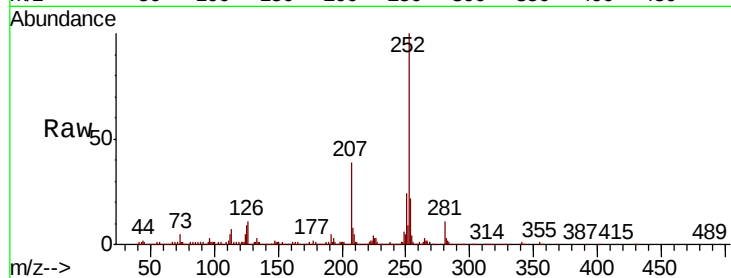
Tgt Ion:252 Resp: 830981

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.8

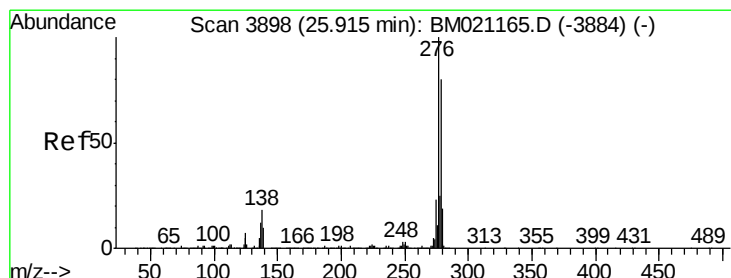
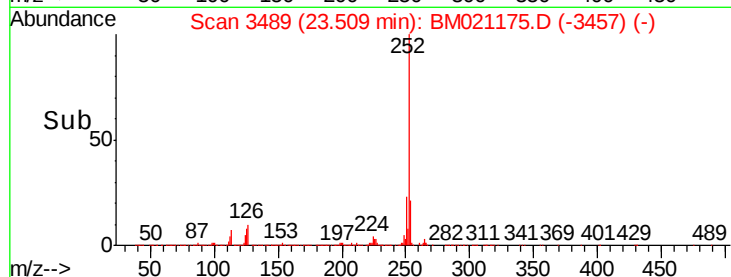
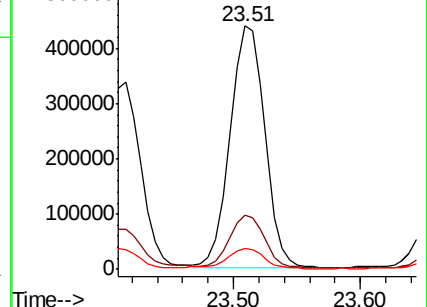
125 8.5 7.2 10.8



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: 4.782 ng/ul

RT: 25.90 min Scan# 3895

Delta R.T. -0.02 min

Lab File: BM021175.D

Acq: 25 Jun 2019 23:29

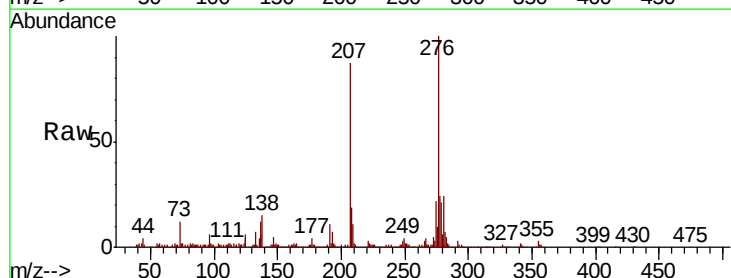
Tgt Ion:276 Resp: 557858

Ion Ratio Lower Upper

276 100

138 15.3 15.9 23.9#

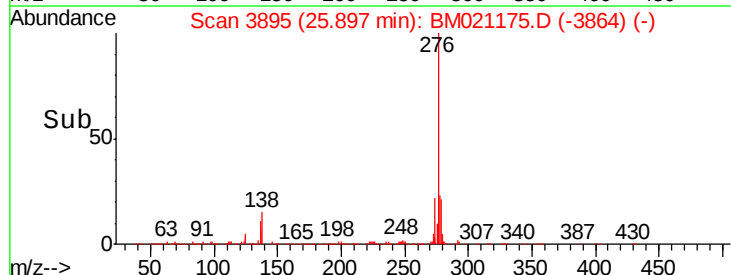
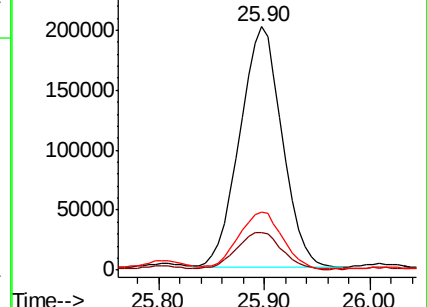
277 23.8 20.4 30.6

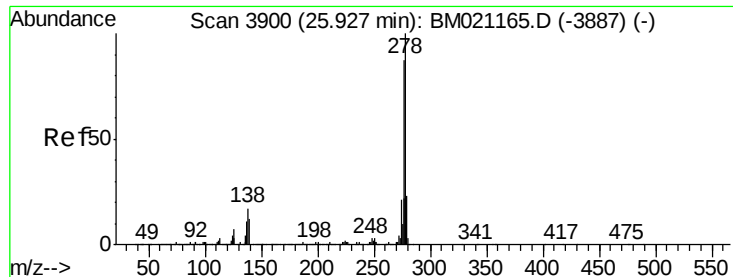


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 1.494 ng/ul

RT: 25.90 min Scan# 3896

Delta R.T. -0.02 min

Lab File: BM021175.D

Acq: 25 Jun 2019 23:29

Instrument :

BNA_M

ClientSampleId :

C5AA5

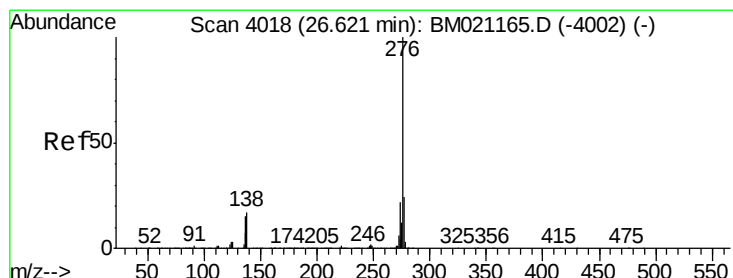
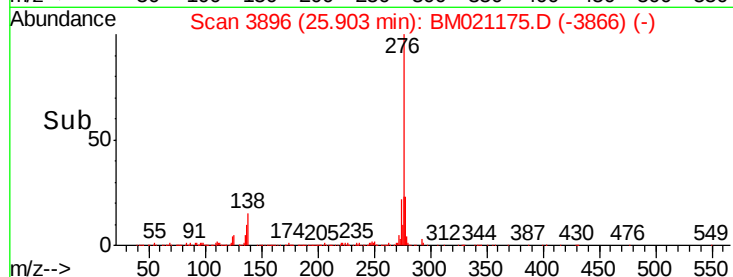
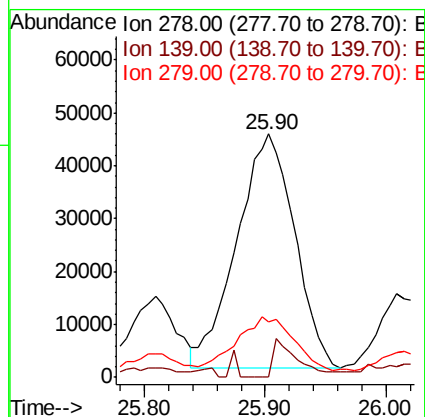
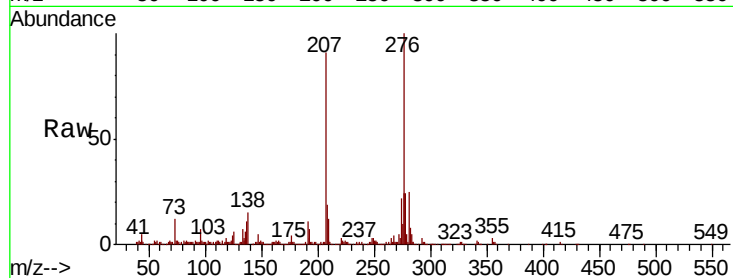
Tgt Ion:278 Resp: 146590

Ion Ratio Lower Upper

278 100

139 0.0 10.6 15.8#

279 22.6 19.0 28.4



#93

Benzo(g,h,i)perylene

Concen: 4.334 ng/ul

RT: 26.60 min Scan# 4015

Delta R.T. -0.02 min

Lab File: BM021175.D

Acq: 25 Jun 2019 23:29

Tgt Ion:276 Resp: 416415

Ion Ratio Lower Upper

276 100

138 17.4 14.6 21.8

277 24.3 18.9 28.3

