

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052119\
 Data File : BM020479.D
 Acq On : 22 May 2019 02:52
 Operator : JU/SJ
 Sample : K2923-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4252

Quant Time: May 22 06:44:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 22 06:40:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	58465	20.00	ng/ul	0.00
18) Naphthalene-d8	10.51	136	216192	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.37	164	133570	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.13	188	336646	20.00	ng/ul	0.00
77) Chrysene-d12	21.32	240	397888	20.00	ng/ul	0.00
85) Perylene-d12	23.62	264	463787	20.00	ng/ul	0.04

System Monitoring Compounds

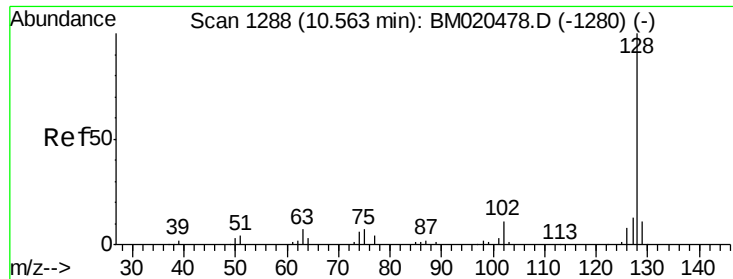
3) 1,4-Dioxane-d8	3.22	96	5362	3.38	ng/uL	0.00
5) Phenol-d5	6.89	99	72666	15.58	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.06	67	46359	15.63	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	58986	17.24	ng/ul	0.00
13) 4-Methylphenol-d8	8.43	113	52904	15.58	ng/ul	0.00
19) Nitrobenzene-d5	8.89	128	24452	17.38	ng/ul	0.00
22) 2-Nitrophenol-d4	9.61	143	27603	17.79	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.13	165	57069	17.40	ng/ul	0.00
29) 4-Chloroaniline-d4	10.67	131	42457	12.53	ng/ul	0.00
43) Dimethylphthalate-d6	13.78	166	185126	19.26	ng/ul	0.00
46) Acenaphthylene-d8	14.06	160	225332	18.74	ng/ul	0.00
51) 4-Nitrophenol-d4	14.60	143	11428	8.19	ng/ul	0.00
57) Fluorene-d10	15.37	176	171633	20.08	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.51	200	18743	9.77	ng/ul	0.00
70) Anthracene-d10	17.22	188	283760	19.65	ng/ul	0.00
78) Pyrene-d10	19.52	212	357401	18.65	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.47	264	410943	19.50	ng/ul	0.03

Target Compounds

					Qvalue
28) Naphthalene	10.56	128	11558	1.164	ng/ul 97
44) Dimethylphthalate	13.83	163	58665	6.171	ng/ul 100
49) Acenaphthene	14.43	153	35730	4.585	ng/ul 98
53) Dibenzofuran	14.77	168	33950	2.877	ng/ul 100
58) Fluorene	15.42	166	38596	4.083	ng/ul 99
69) Phenanthrene	17.17	178	1258354	78.449	ng/ul 99
71) Anthracene	17.26	178	202740	12.425	ng/ul 99
74) Carbazole	17.53	167	131006	9.459	ng/ul 99
76) Fluoranthene	19.19	202	2308812	113.947	ng/ul 99
79) Pyrene	19.56	202	1825015	76.418	ng/ul 99
82) Benzo(a)anthracene	21.30	228	949702	39.657	ng/ul 97
84) Chrysene	21.36	228	786018	34.345	ng/ul 96
87) Benzo(b)fluoranthene	22.92	252	1252056	47.302	ng/ul 98
88) Benzo(k)fluoranthene	22.92	252	1252056	48.157	ng/ul 99
90) Benzo(a)pyrene	23.52	252	779370	31.287	ng/ul 99
91) Indeno(1,2,3-cd)pyrene	25.99	276	577405	20.342	ng/ul# 96
92) Dibenzo(a,h)anthracene	25.97	278	51223	2.110	ng/ul# 89
93) Benzo(g,h,i)perylene	26.74	276	454600	19.348	ng/ul 96

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

```
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052119\  
Data File : BM020479.D  
Acq On    : 22 May 2019   02:52  
Operator  : JU/SJ  
Sample    : K2923-05  
Misc      :  
ALS Vial  : 17      Sample Multiplier: 1
```



#28

Naphthalene

Concen: 1.164 ng/ul

RT: 10.56 min Scan# 1288

Delta R.T. -0.00 min

Lab File: BM020479.D

Acq: 22 May 2019 02:52

Instrument :

BNA_M

ClientSampleId :

A4252

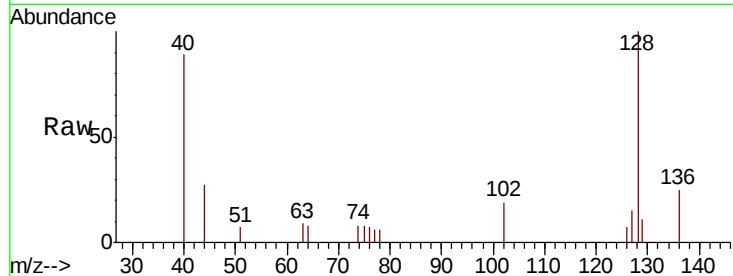
Tgt Ion:128 Resp: 11558

Ion Ratio Lower Upper

128 100

129 10.6 8.6 13.0

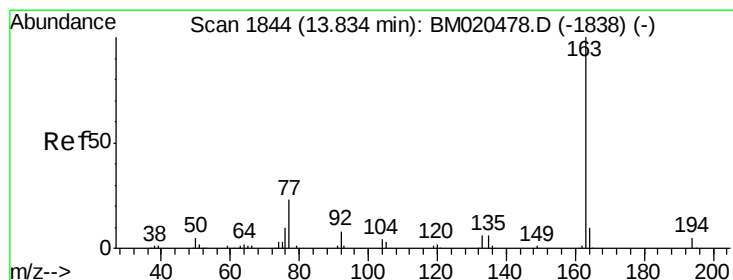
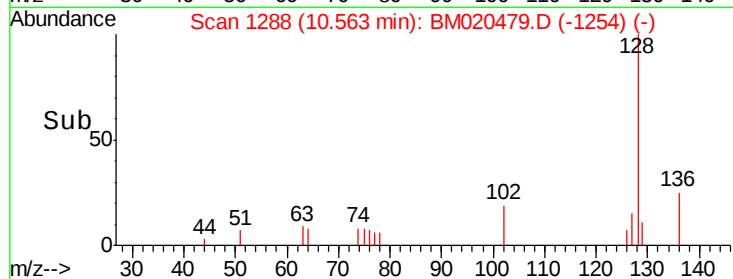
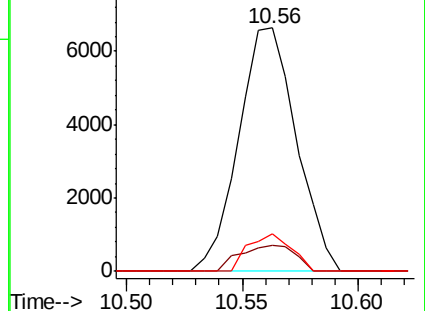
127 15.2 10.6 15.8



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



#44

Dimethylphthalate

Concen: 6.171 ng/ul

RT: 13.83 min Scan# 1844

Delta R.T. -0.00 min

Lab File: BM020479.D

Acq: 22 May 2019 02:52

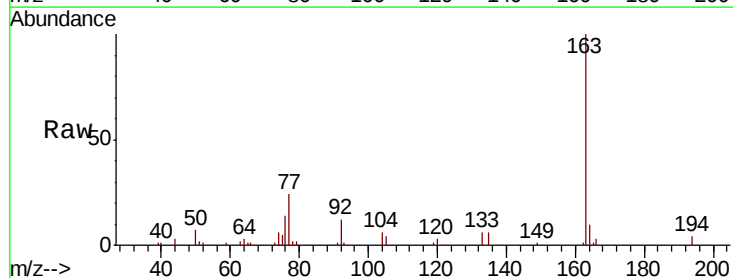
Tgt Ion:163 Resp: 58665

Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

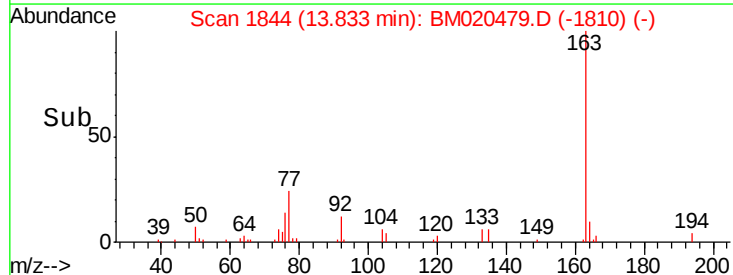
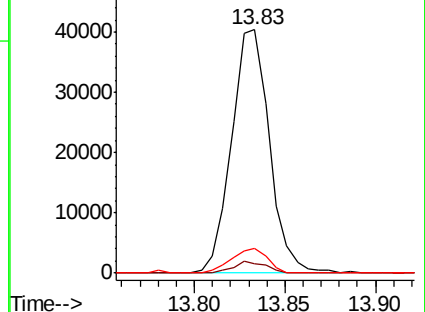
164 9.9 8.0 12.0

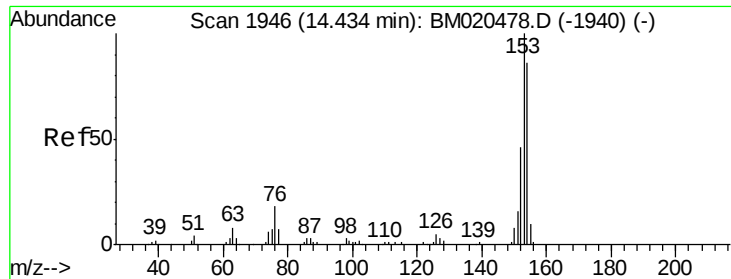


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#49

Acenaphthene

Concen: 4.585 ng/ul

RT: 14.43 min Scan# 1946

Delta R.T. -0.00 min

Lab File: BM020479.D

Acq: 22 May 2019 02:52

Instrument :

BNA_M

ClientSampleId :

A4252

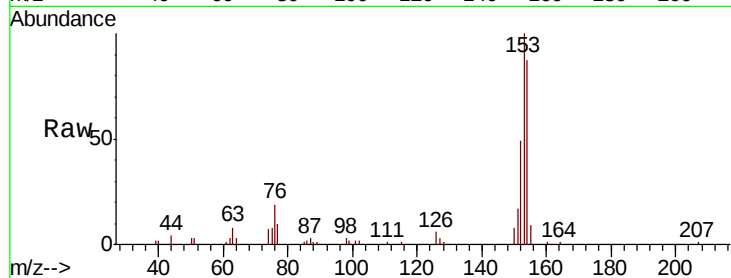
Tgt Ion:153 Resp: 35730

Ion Ratio Lower Upper

153 100

152 48.8 37.9 56.9

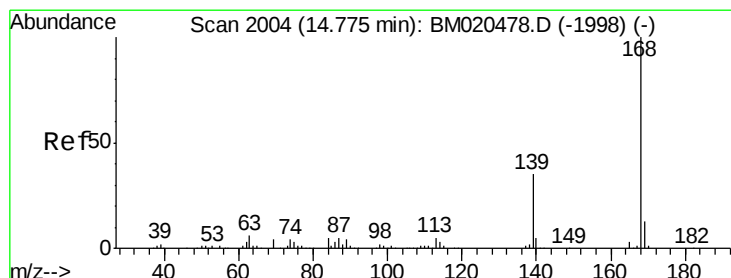
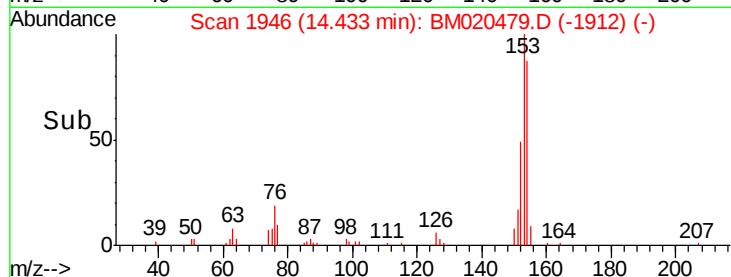
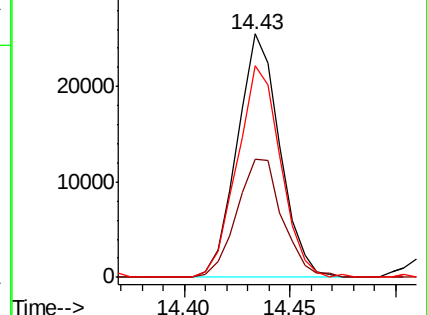
154 86.9 71.2 106.8



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: 2.877 ng/ul

RT: 14.77 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BM020479.D

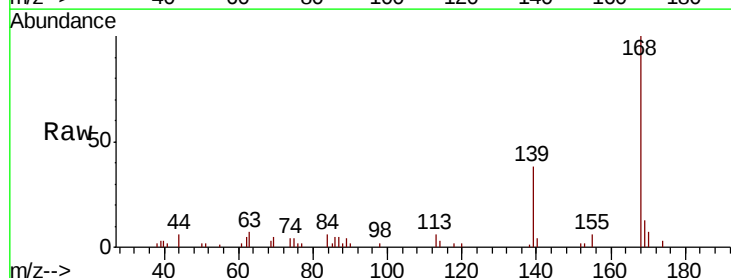
Acq: 22 May 2019 02:52

Tgt Ion:168 Resp: 33950

Ion Ratio Lower Upper

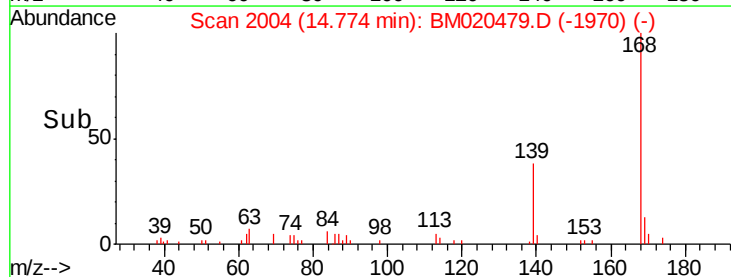
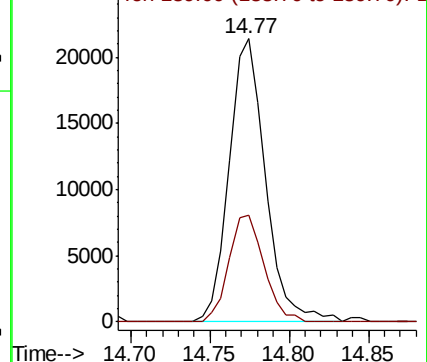
168 100

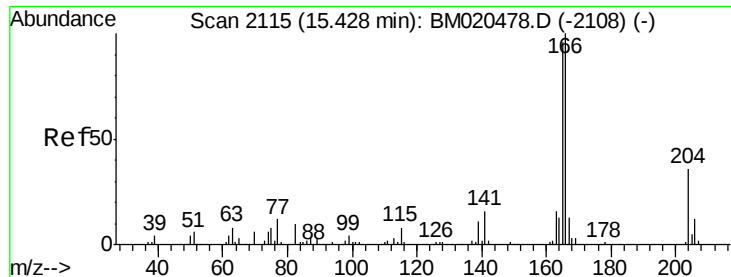
139 37.8 30.1 45.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 4.083 ng/ul

RT: 15.42 min Scan# 2114

Delta R.T. -0.01 min

Lab File: BM020479.D

Acq: 22 May 2019 02:52

Instrument :

BNA_M

ClientSampleId :

A4252

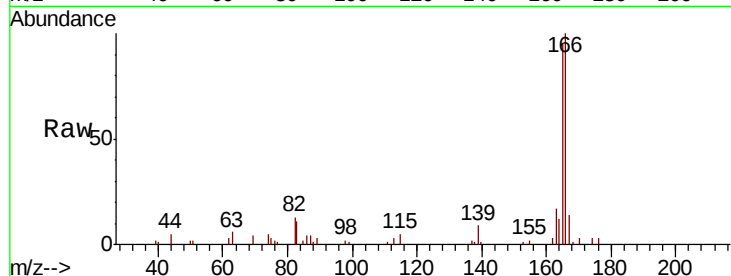
Tgt Ion:166 Resp: 38596

Ion Ratio Lower Upper

166 100

165 95.0 77.1 115.7

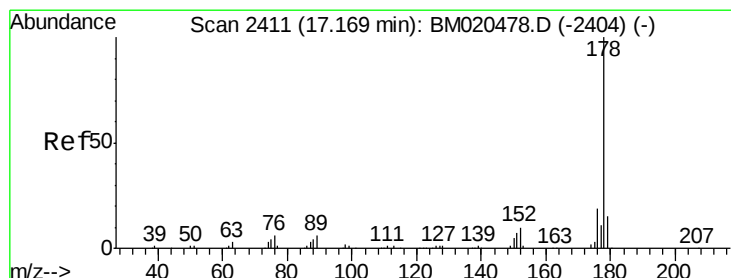
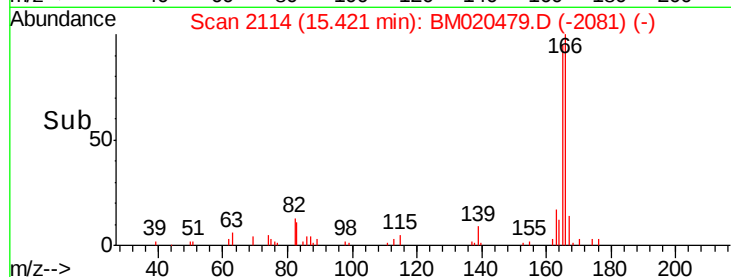
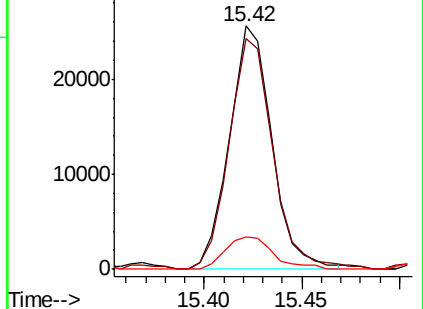
167 13.6 11.1 16.7



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: 78.449 ng/ul

RT: 17.17 min Scan# 2411

Delta R.T. -0.00 min

Lab File: BM020479.D

Acq: 22 May 2019 02:52

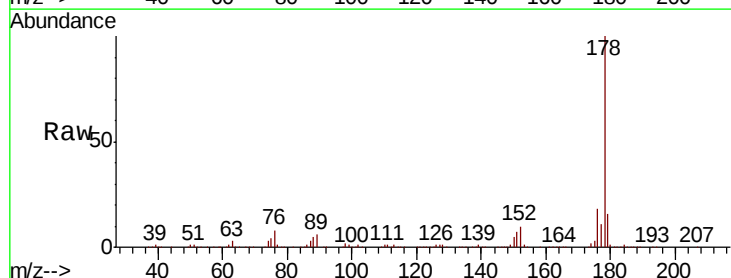
Tgt Ion:178 Resp: 1258354

Ion Ratio Lower Upper

178 100

179 15.5 11.9 17.9

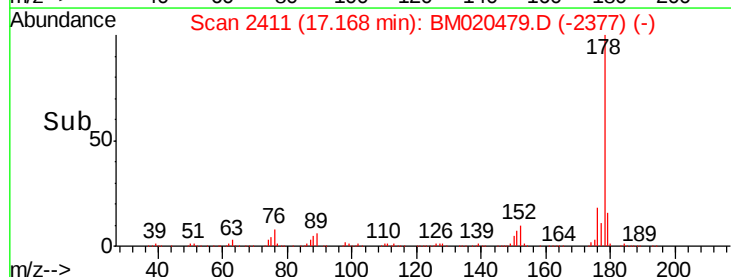
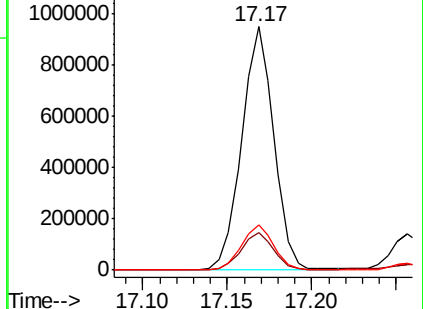
176 18.3 14.6 22.0

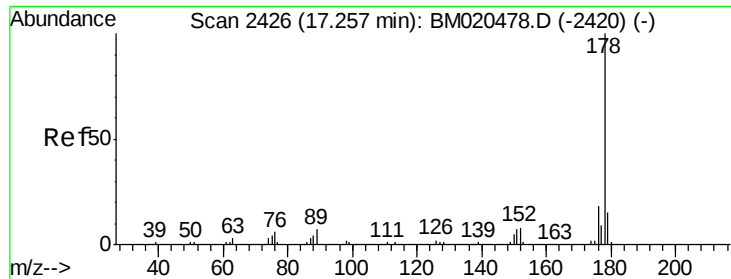


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

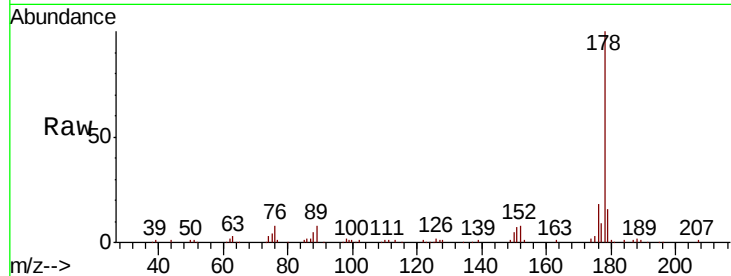




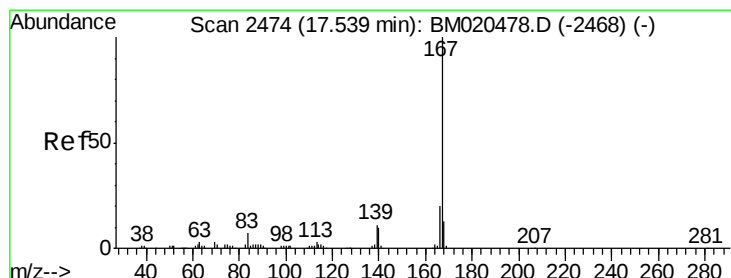
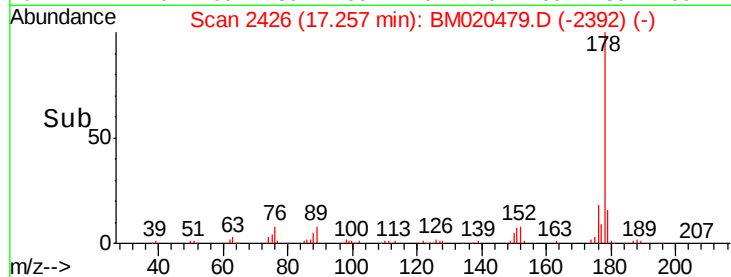
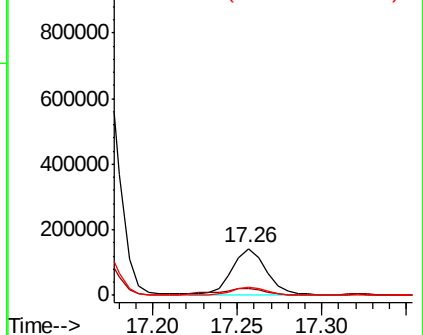
#71
 Anthracene
 Concen: 12.425 ng/ul
 RT: 17.26 min Scan# 2426
 Delta R.T. -0.00 min
 Lab File: BM020479.D
 Acq: 22 May 2019 02:52

Instrument :
 BNA_M
 ClientSampleId :
 A4252

Tgt Ion:178 Resp: 202740
 Ion Ratio Lower Upper
 178 100
 179 15.6 12.4 18.6
 176 17.6 14.4 21.6

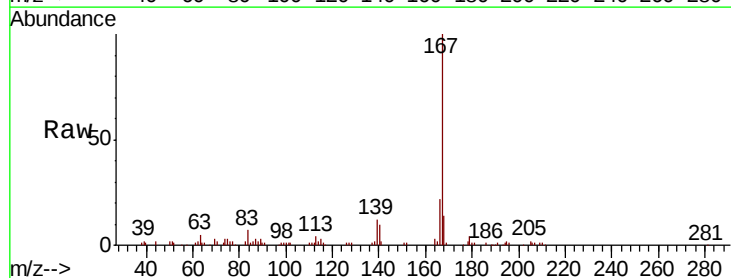


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

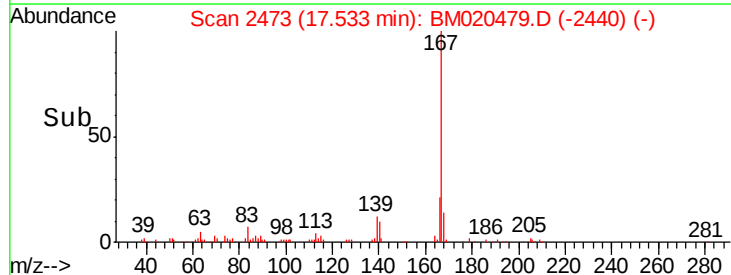
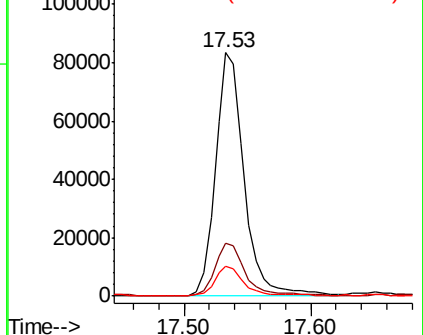


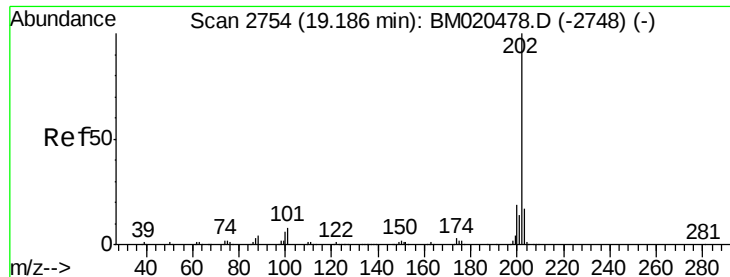
#74
 Carbazole
 Concen: 9.459 ng/ul
 RT: 17.53 min Scan# 2473
 Delta R.T. -0.01 min
 Lab File: BM020479.D
 Acq: 22 May 2019 02:52

Tgt Ion:167 Resp: 131006
 Ion Ratio Lower Upper
 167 100
 166 21.6 16.6 24.8
 139 12.2 9.8 14.8



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: 113.947 ng/ul

RT: 19.19 min Scan# 2755

Delta R.T. 0.01 min

Lab File: BM020479.D

Acq: 22 May 2019 02:52

Instrument :

BNA_M

ClientSampleId :

A4252

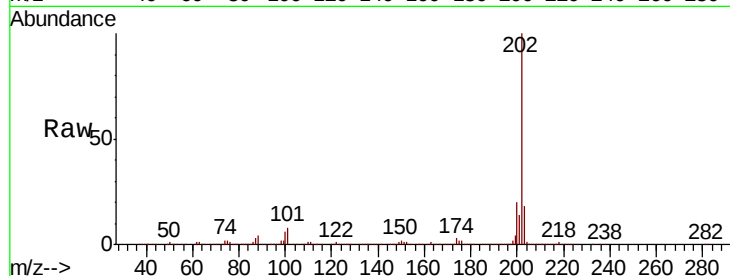
Tgt Ion:202 Resp: 2308812

Ion Ratio Lower Upper

202 100

101 7.6 6.4 9.6

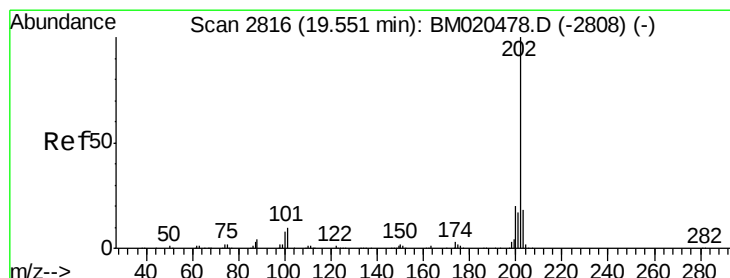
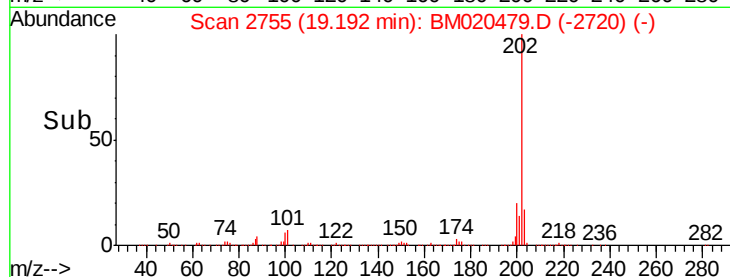
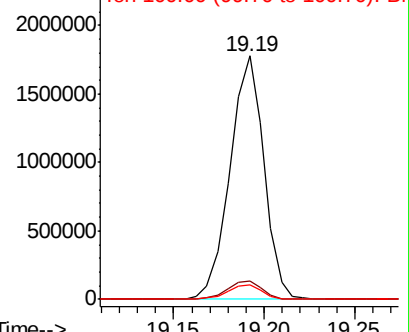
100 6.0 5.2 7.8



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

Pyrene

Concen: 76.418 ng/ul

RT: 19.56 min Scan# 2817

Delta R.T. 0.01 min

Lab File: BM020479.D

Acq: 22 May 2019 02:52

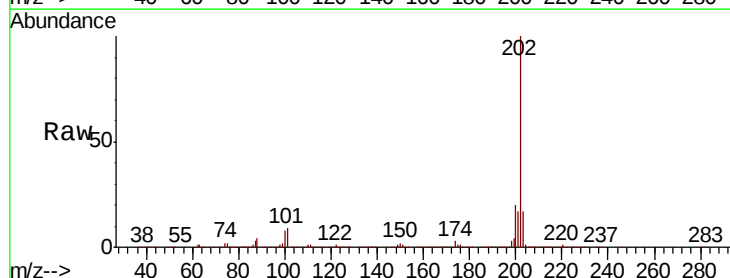
Tgt Ion:202 Resp: 1825015

Ion Ratio Lower Upper

202 100

101 9.1 7.1 10.7

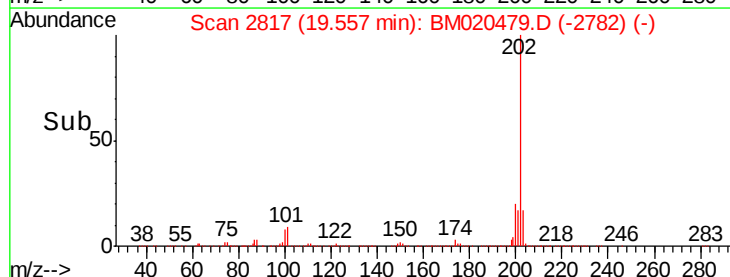
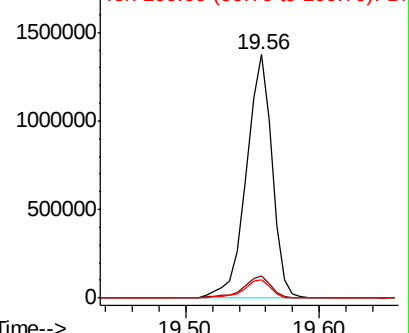
100 7.7 5.9 8.9

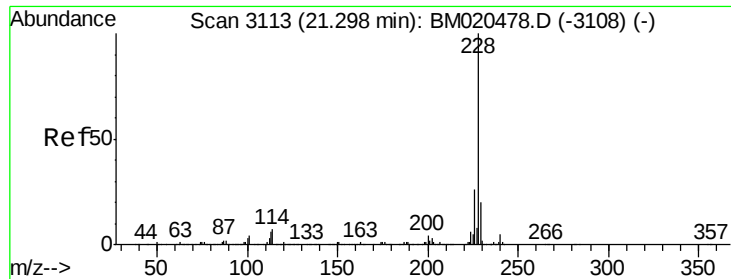


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

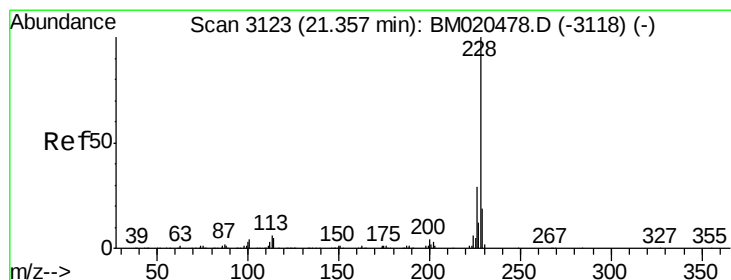
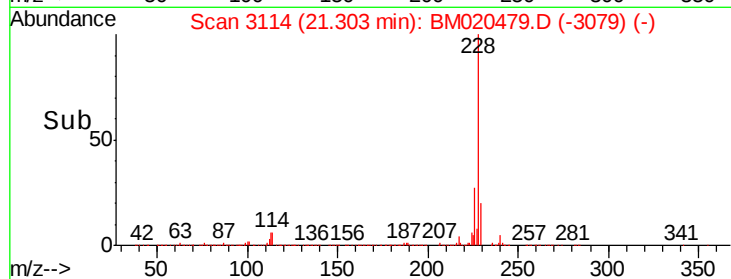
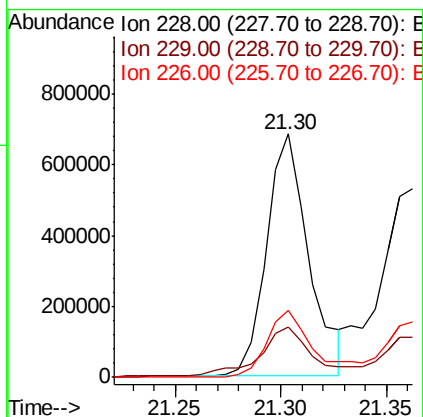
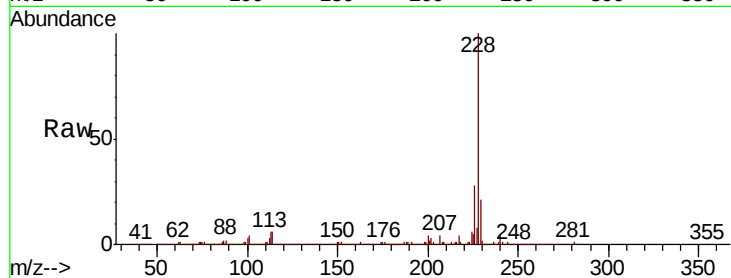




#82
Benzo(a)anthracene
Concen: 39.657 ng/ul
RT: 21.30 min Scan# 3114
Delta R.T. 0.01 min
Lab File: BM020479.D
Acq: 22 May 2019 02:52

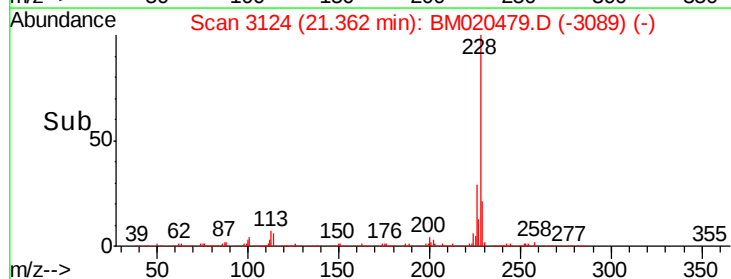
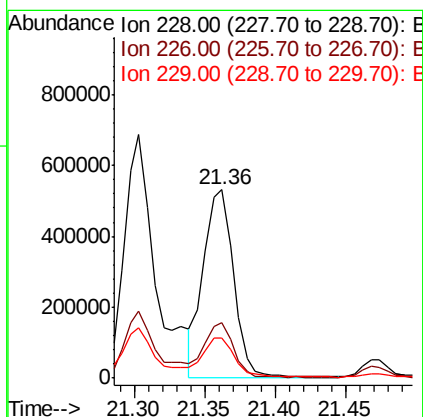
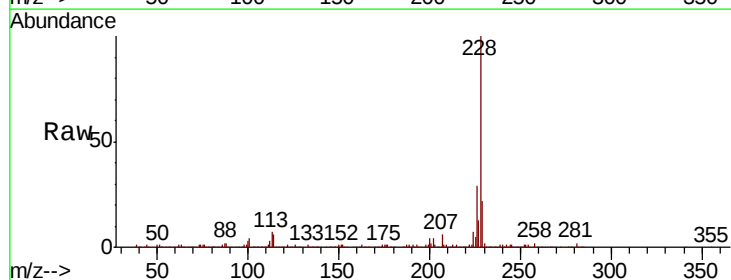
Instrument :
BNA_M
ClientSampleId :
A4252

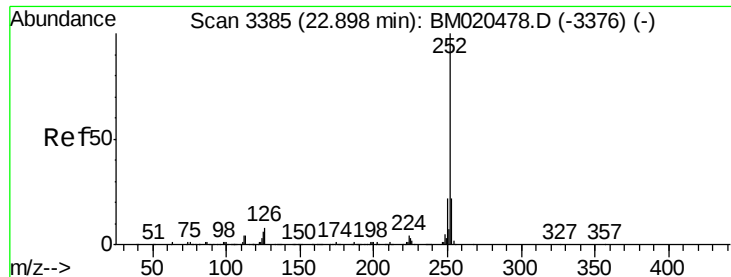
Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.5	15.8	23.8
226	27.6	20.6	30.8



#84
Chrysene
Concen: 34.345 ng/ul
RT: 21.36 min Scan# 3124
Delta R.T. 0.01 min
Lab File: BM020479.D
Acq: 22 May 2019 02:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.2	33.4
229	21.5	15.4	23.2





#87

Benzo(b)fluoranthene

Concen: 47.302 ng/ul

RT: 22.92 min Scan# 3388

Delta R.T. 0.02 min

Lab File: BM020479.D

Acq: 22 May 2019 02:52

Instrument :

BNA_M

ClientSampleId :

A4252

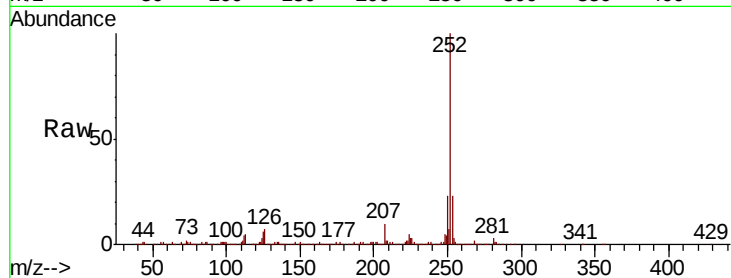
Tgt Ion:252 Resp: 1252056

Ion Ratio Lower Upper

252 100

253 22.7 17.0 25.6

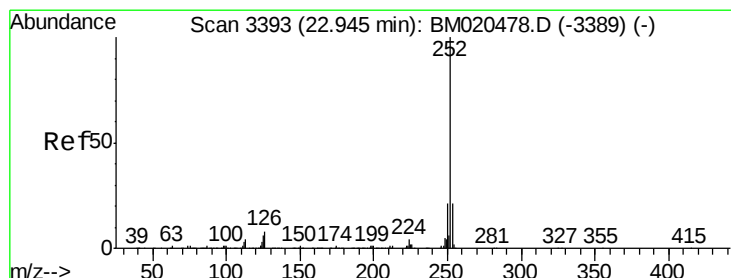
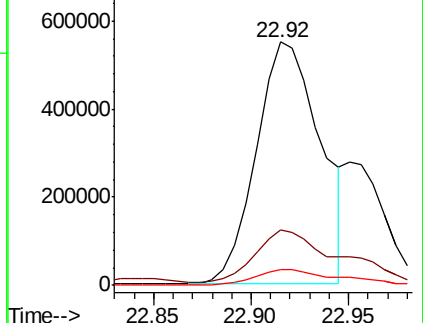
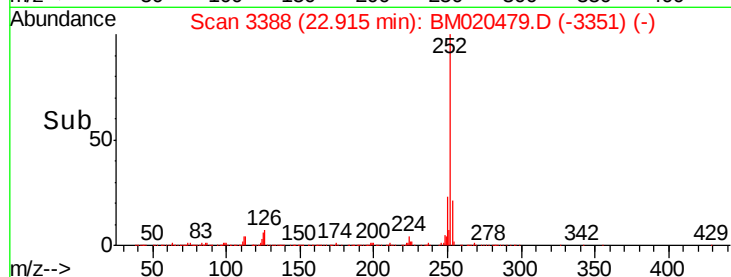
125 6.5 5.0 7.4



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: 48.157 ng/ul

RT: 22.92 min Scan# 3388

Delta R.T. -0.03 min

Lab File: BM020479.D

Acq: 22 May 2019 02:52

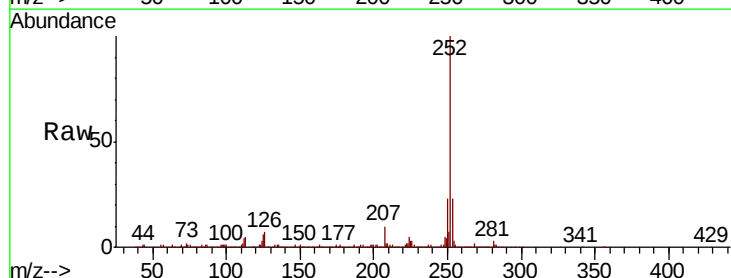
Tgt Ion:252 Resp: 1252056

Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

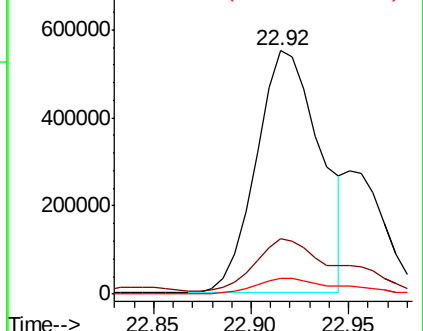
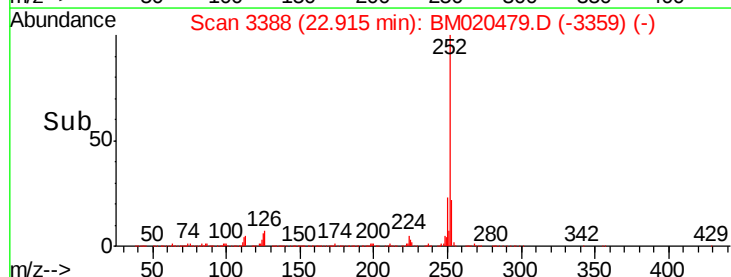
125 6.5 5.0 7.6

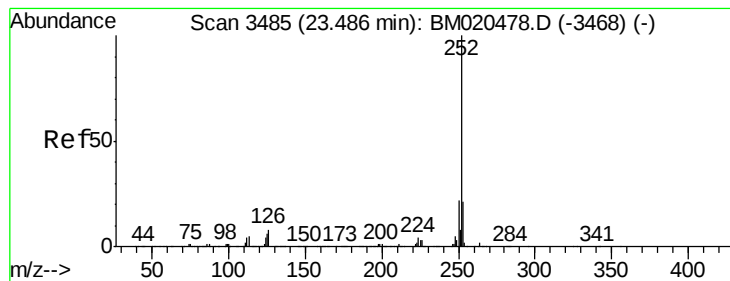


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 31.287 ng/ul

RT: 23.52 min Scan# 3490

Delta R.T. 0.03 min

Lab File: BM020479.D

Acq: 22 May 2019 02:52

Instrument :

BNA_M

ClientSampleId :

A4252

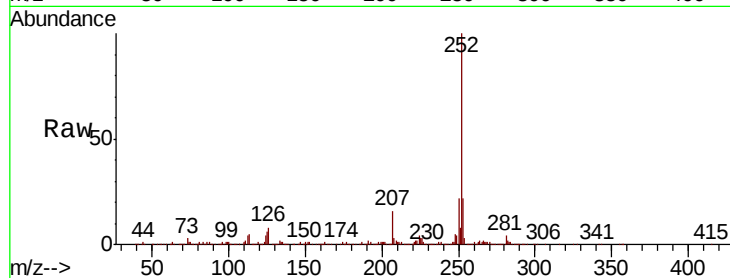
Tgt Ion:252 Resp: 779370

Ion Ratio Lower Upper

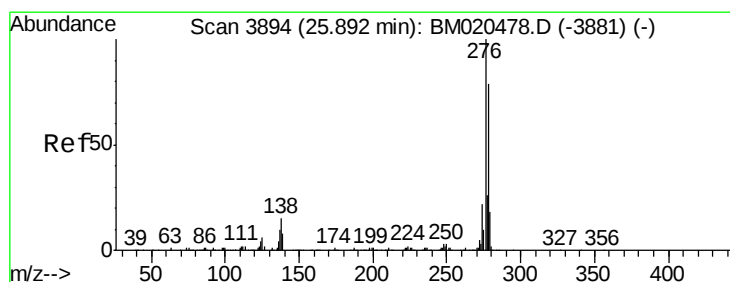
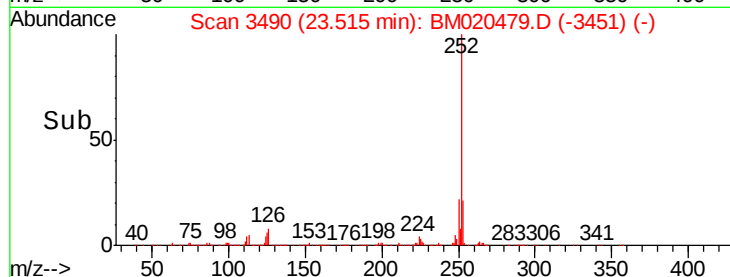
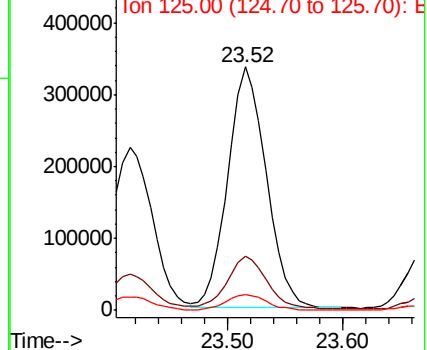
252 100

253 22.3 17.4 26.2

125 6.4 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: 20.342 ng/ul

RT: 25.99 min Scan# 3911

Delta R.T. 0.10 min

Lab File: BM020479.D

Acq: 22 May 2019 02:52

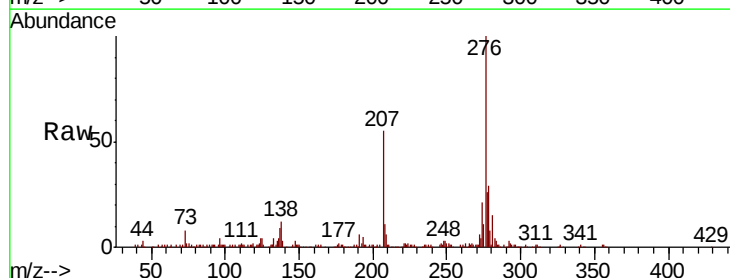
Tgt Ion:276 Resp: 577405

Ion Ratio Lower Upper

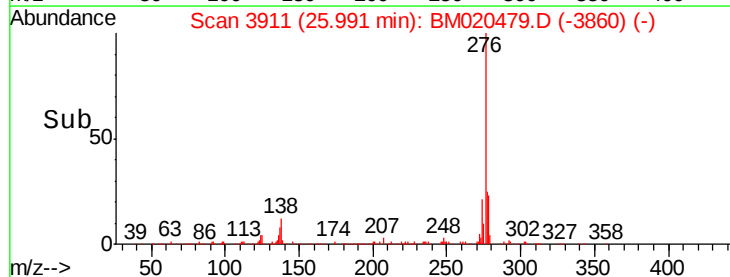
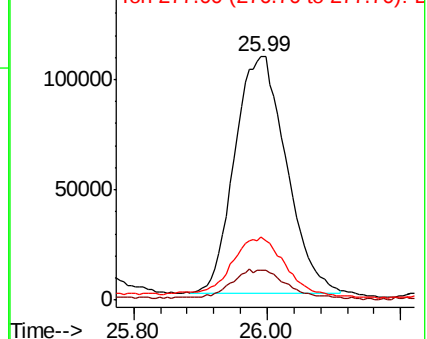
276 100

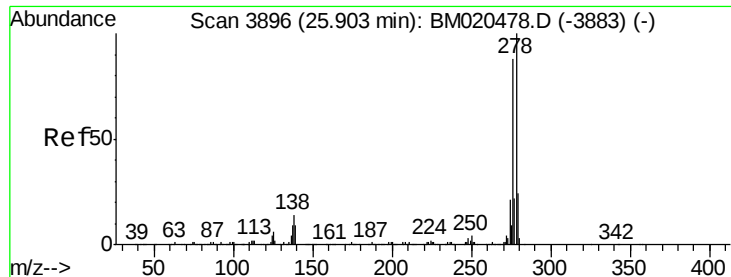
138 12.1 12.3 18.5#

277 25.8 20.0 30.0



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





#92

Dibenzo(a,h)anthracene

Concen: 2.110 ng/ul

RT: 25.97 min Scan# 3908

Delta R.T. 0.07 min

Lab File: BM020479.D

Acq: 22 May 2019 02:52

Instrument :

BNA_M

ClientSampleId :

A4252

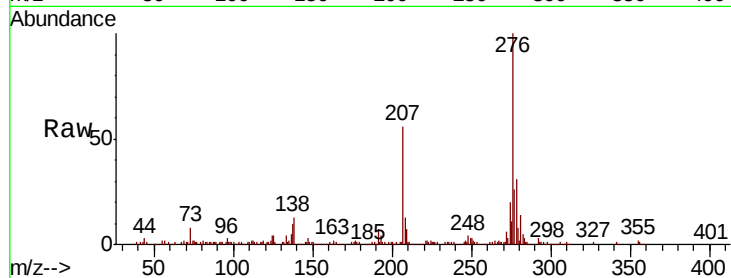
Tgt Ion: 278 Resp: 51223

Ion Ratio Lower Upper

278 100

139 0.0 8.1 12.1#

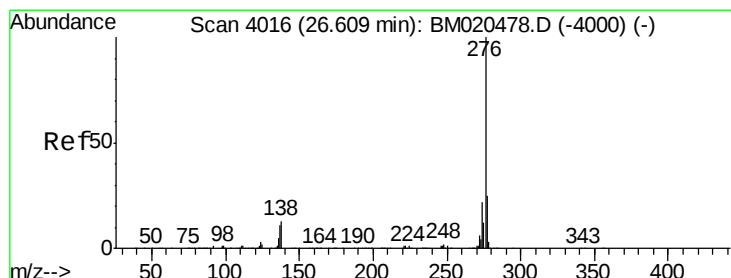
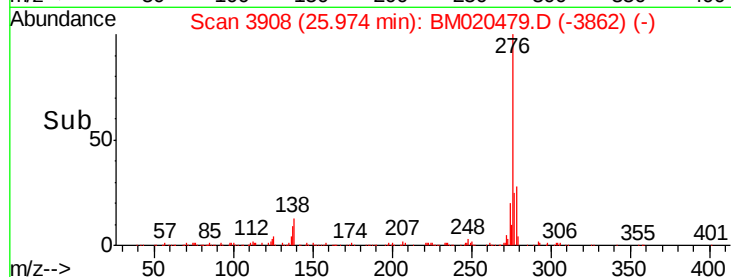
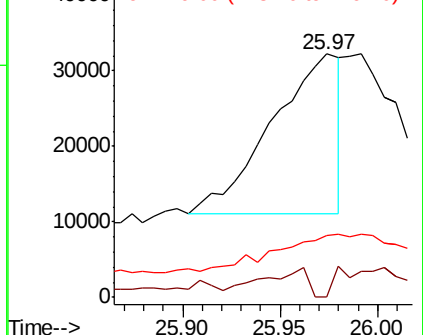
279 25.6 18.7 28.1



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(g,h,i)perylene

Concen: 19.348 ng/ul

RT: 26.74 min Scan# 4038

Delta R.T. 0.13 min

Lab File: BM020479.D

Acq: 22 May 2019 02:52

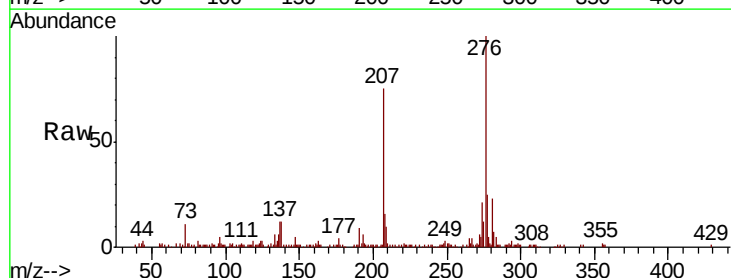
Tgt Ion: 276 Resp: 454600

Ion Ratio Lower Upper

276 100

138 12.3 10.0 15.0

277 25.4 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

