

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM060719\
 Data File : BM020801.D
 Acq On : 07 Jun 2019 13:16
 Operator : HP/JU
 Sample : K3201-07DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AB8DL

Quant Time: Jun 08 00:24:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jun 08 00:20:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	304464	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	1275241	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	741766	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.20	188	1634475	20.00	ng/ul	0.00
77) Chrysene-d12	21.38	240	1462935	20.00	ng/ul	0.00
85) Perylene-d12	23.67	264	1667764	20.00	ng/ul	0.00

System Monitoring Compounds

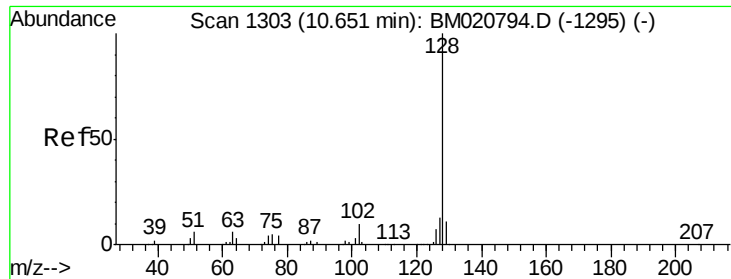
3) 1,4-Dioxane-d8	3.31	96	10295	1.61	ng/uL	0.00
5) Phenol-d5	6.97	99	161268	6.92	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	127128	9.10	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	157572	8.49	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	81590	4.35	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	82653	9.50	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	89935	10.04	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	160972	8.61	ng/ul	0.00
29) 4-Chloroaniline-d4	10.75	131	135062	6.00	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	559982	10.21	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	671520	9.65	ng/ul	0.00
51) 4-Nitrophenol-d4	14.64	143	53696	5.70	ng/ul	0.00
57) Fluorene-d10	15.44	176	462244	9.91	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	26328	3.15	ng/ul	0.00
70) Anthracene-d10	17.29	188	688505	9.64	ng/ul	0.00
78) Pyrene-d10	19.59	212	692133	9.79	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.52	264	710497	9.37	ng/ul	0.00

Target Compounds

					Qvalue	
28) Naphthalene	10.65	128	99246	1.657	ng/ul	98
34) 2-Methylnaphthalene	12.26	142	59356	1.349	ng/ul	99
44) Dimethylphthalate	13.90	163	254838	4.638	ng/ul	100
47) Acenaphthylene	14.17	152	71988	1.069	ng/ul#	97
49) Acenaphthene	14.51	153	318163	6.771	ng/ul	99
53) Dibenzofuran	14.85	168	262244	3.946	ng/ul	99
58) Fluorene	15.50	166	310932	5.827	ng/ul	99
69) Phenanthrene	17.24	178	4567371	55.524	ng/ul	99
71) Anthracene	17.33	178	1083660	12.852	ng/ul	99
74) Carbazole	17.60	167	412725	5.629	ng/ul	97
76) Fluoranthene	19.26	202	4998030	53.020	ng/ul	99
79) Pyrene	19.62	202	4368415	48.374	ng/ul	99
82) Benzo(a)anthracene	21.36	228	2251202	24.668	ng/ul	98
84) Chrysene	21.42	228	1933847	22.837	ng/ul	97
87) Benzo(b)fluoranthene	22.98	252	2318051	23.893	ng/ul	98
88) Benzo(k)fluoranthene	22.98	252	2318051	24.997	ng/ul	98
90) Benzo(a)pyrene	23.57	252	1681958	18.222	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.98	276	957869	8.786	ng/ul	97
92) Dibenzo(a,h)anthracene	25.98	278	281856	3.051	ng/ul#	87
93) Benzo(g,h,i)perylene	26.69	276	739648	8.363	ng/ul	98

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

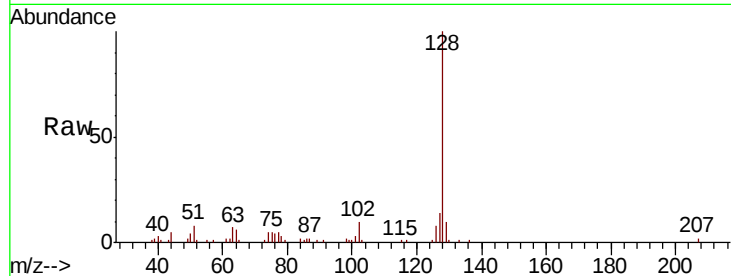
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Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM060719\  
Data File : BM020801.D  
Acq On    : 07 Jun 2019 13:16  
Operator  : HP/JU  
Sample    : K3201-07DL 5X  
Misc      :  
ALS Vial  : 9      Sample Multiplier: 1
```



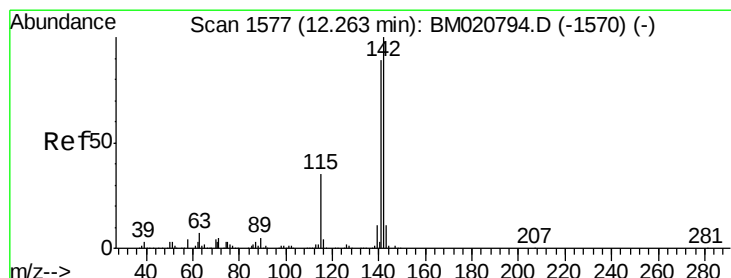
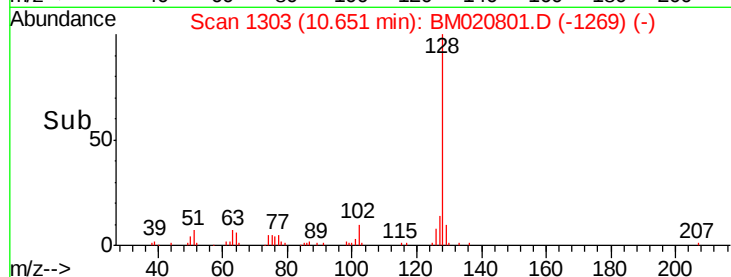
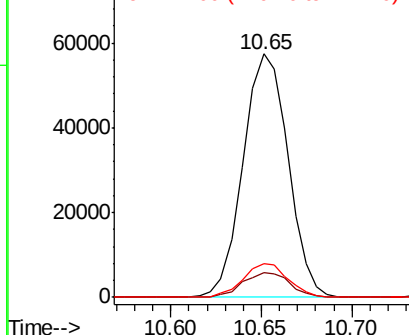
#28
Naphthalene
Concen: 1.657 ng/ul
RT: 10.65 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BM020801.D
Acq: 07 Jun 2019 13:16

Instrument :
BNA_M
ClientSampleId :
C0AB8DL

Tgt Ion:128 Resp: 99246
Ion Ratio Lower Upper
128 100
129 10.0 8.6 13.0
127 13.8 10.2 15.2

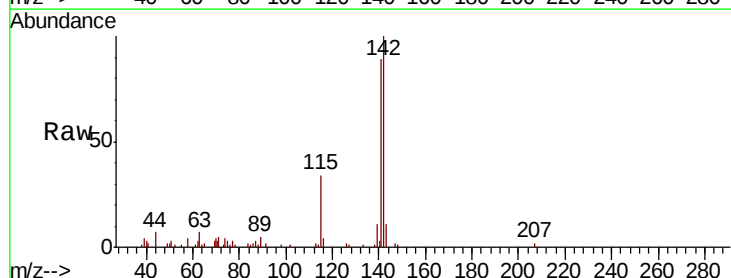


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

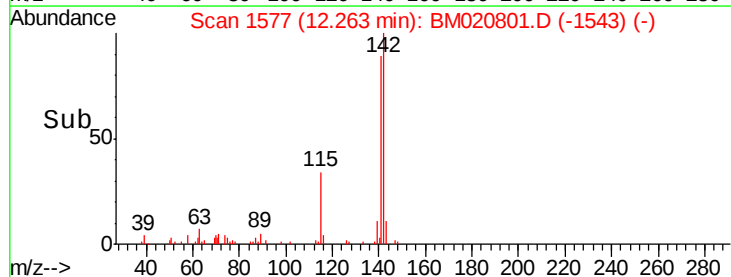
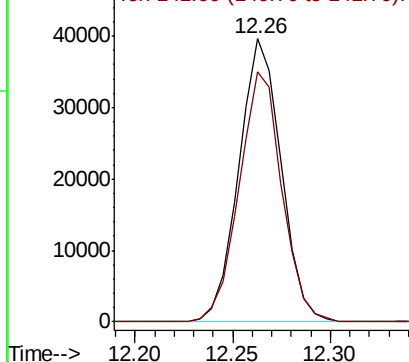


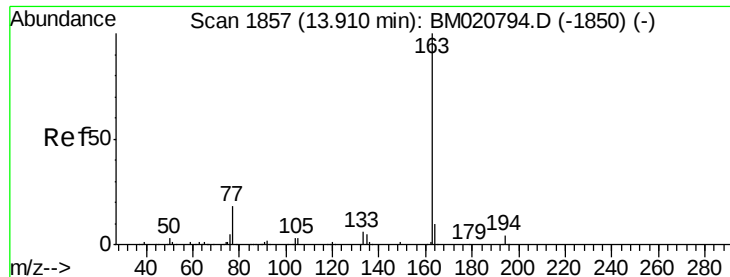
#34
2-Methylnaphthalene
Concen: 1.349 ng/ul
RT: 12.26 min Scan# 1577
Delta R.T. 0.00 min
Lab File: BM020801.D
Acq: 07 Jun 2019 13:16

Tgt Ion:142 Resp: 59356
Ion Ratio Lower Upper
142 100
141 88.6 71.4 107.0



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#44

Dimethylphthalate

Concen: 4.638 ng/ul

RT: 13.90 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BM020801.D

Acq: 07 Jun 2019 13:16

Instrument :

BNA_M

ClientSampleId :

C0AB8DL

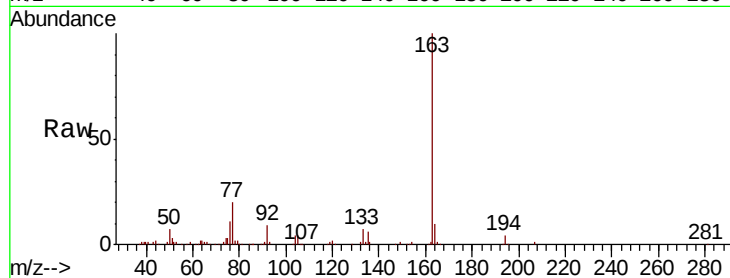
Tgt Ion:163 Resp: 254838

Ion Ratio Lower Upper

163 100

194 4.4 3.2 4.8

164 10.1 8.0 12.0

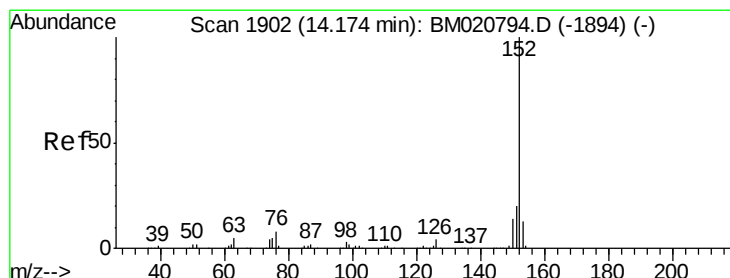
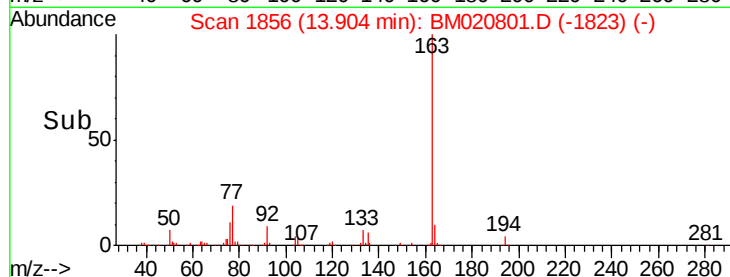
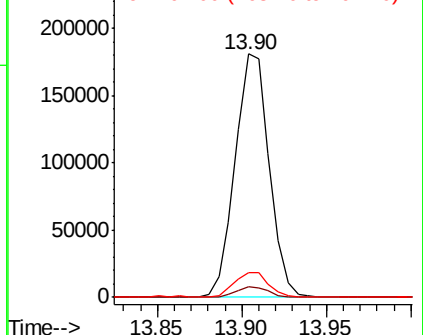


Abundance

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



#47

Acenaphthylene

Concen: 1.069 ng/ul

RT: 14.17 min Scan# 1901

Delta R.T. -0.01 min

Lab File: BM020801.D

Acq: 07 Jun 2019 13:16

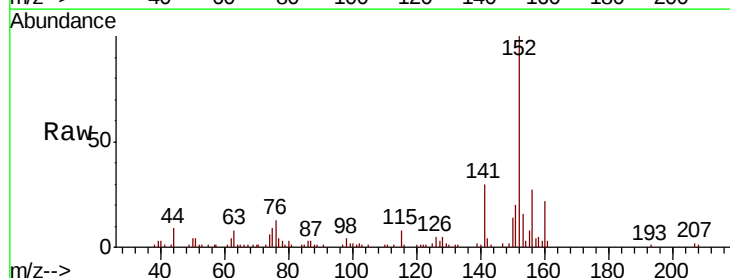
Tgt Ion:152 Resp: 71988

Ion Ratio Lower Upper

152 100

151 19.9 16.2 24.2

153 16.2 10.6 15.8#

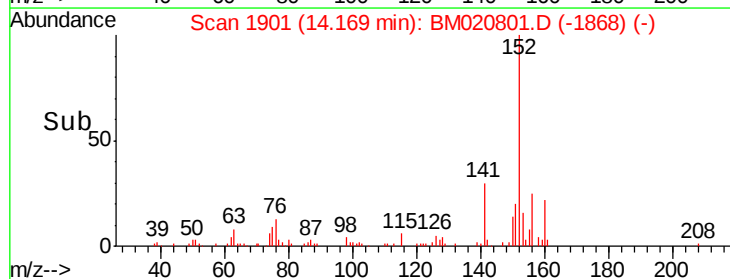
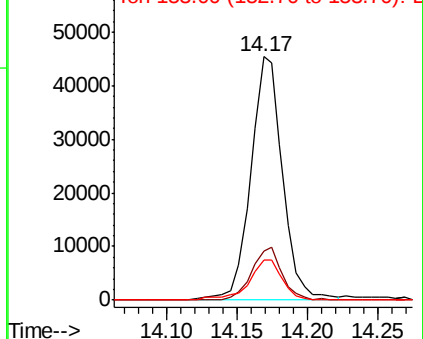


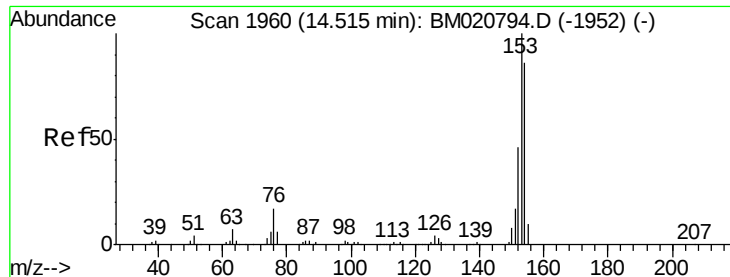
Abundance

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: 6.771 ng/ul

RT: 14.51 min Scan# 1959

Delta R.T. -0.01 min

Lab File: BM020801.D

Acq: 07 Jun 2019 13:16

Instrument :

BNA_M

ClientSampleId :

C0AB8DL

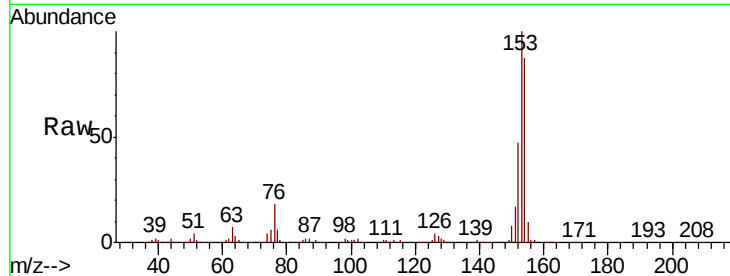
Tgt Ion:153 Resp: 318163

Ion Ratio Lower Upper

153 100

152 46.6 37.3 55.9

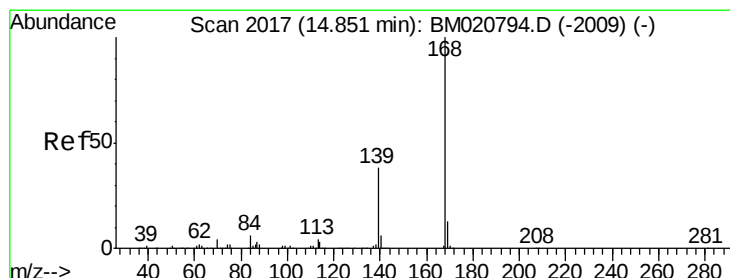
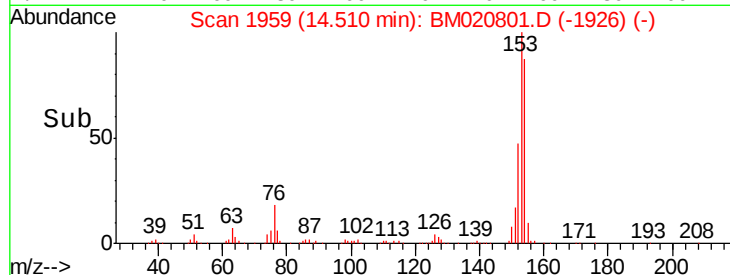
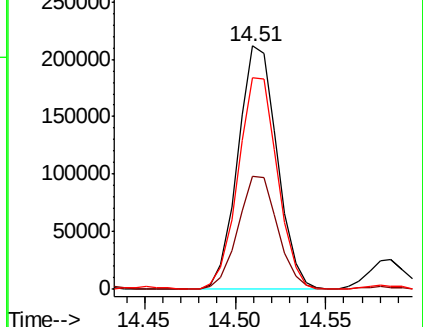
154 87.1 68.7 103.1



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: 3.946 ng/ul

RT: 14.85 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BM020801.D

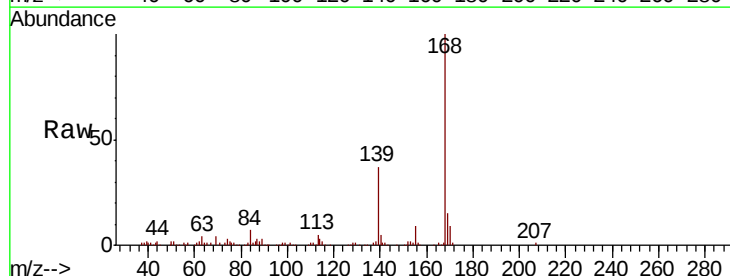
Acq: 07 Jun 2019 13:16

Tgt Ion:168 Resp: 262244

Ion Ratio Lower Upper

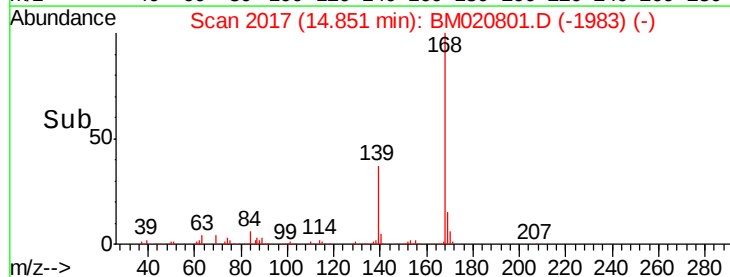
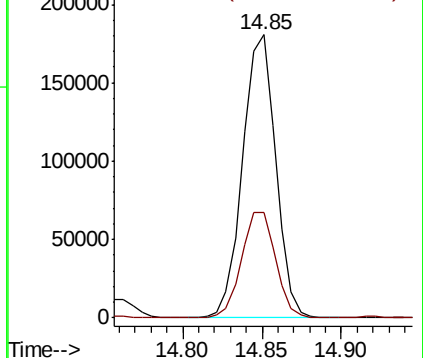
168 100

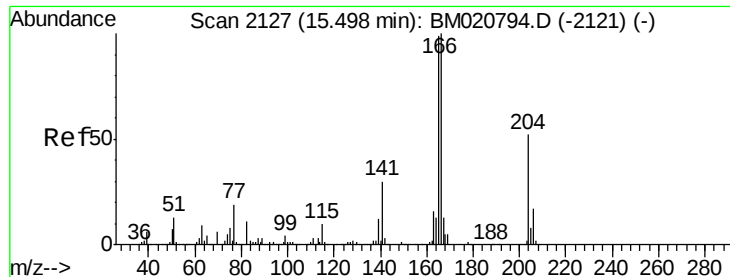
139 37.3 30.4 45.6



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 5.827 ng/ul

RT: 15.50 min Scan# 2127

Delta R.T. 0.00 min

Lab File: BM020801.D

Acq: 07 Jun 2019 13:16

Instrument :

BNA_M

ClientSampleId :

C0AB8DL

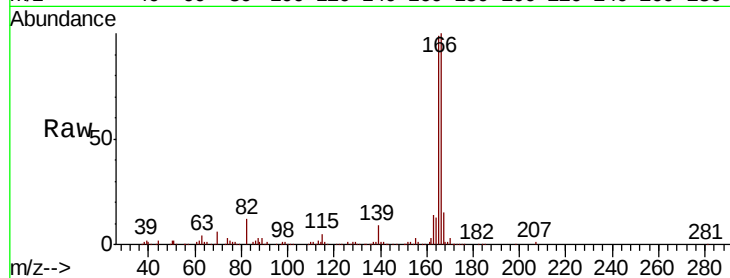
Tgt Ion:166 Resp: 310932

Ion Ratio Lower Upper

166 100

165 98.7 78.6 117.8

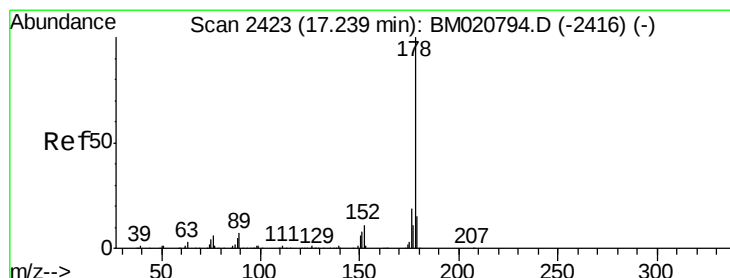
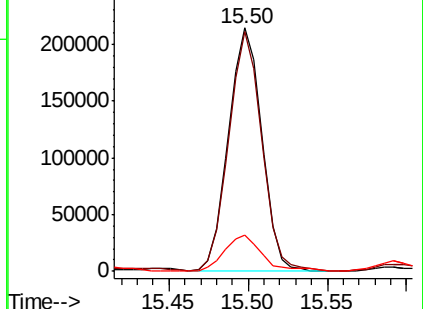
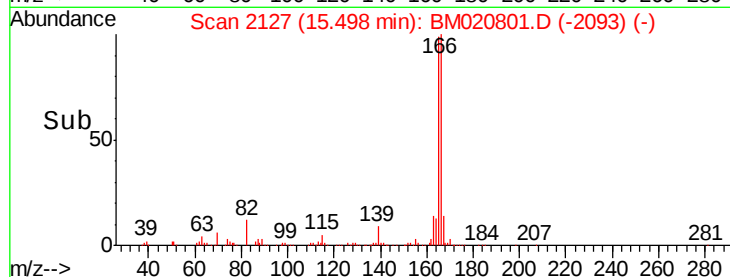
167 14.7 10.8 16.2



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: 55.524 ng/ul

RT: 17.24 min Scan# 2423

Delta R.T. 0.00 min

Lab File: BM020801.D

Acq: 07 Jun 2019 13:16

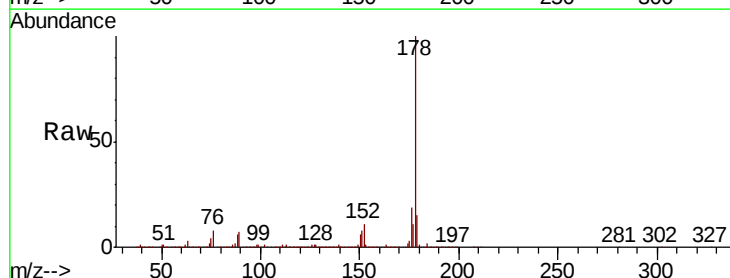
Tgt Ion:178 Resp: 4567371

Ion Ratio Lower Upper

178 100

179 15.4 12.3 18.5

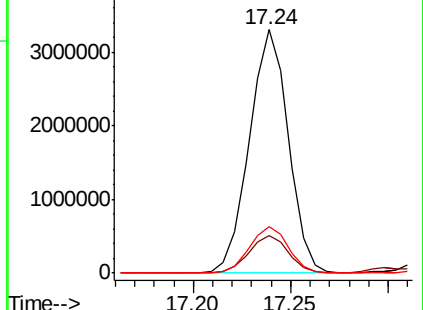
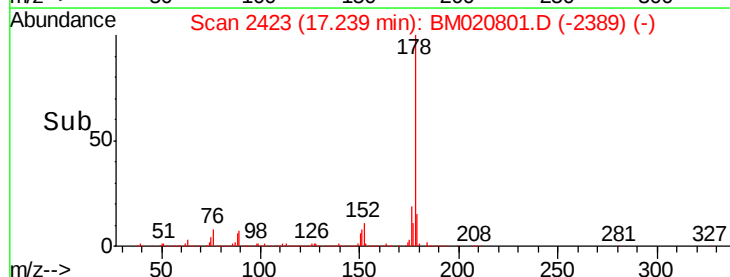
176 19.3 14.8 22.2

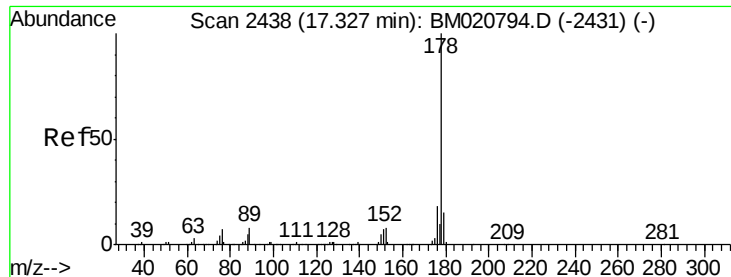


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

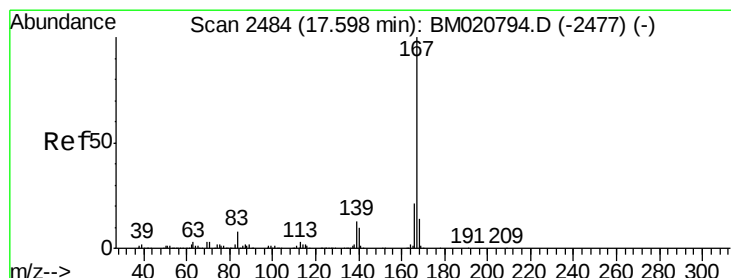
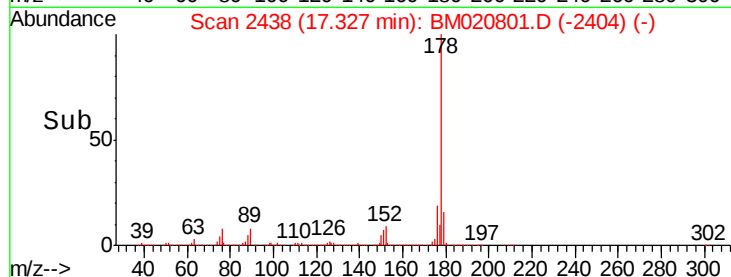
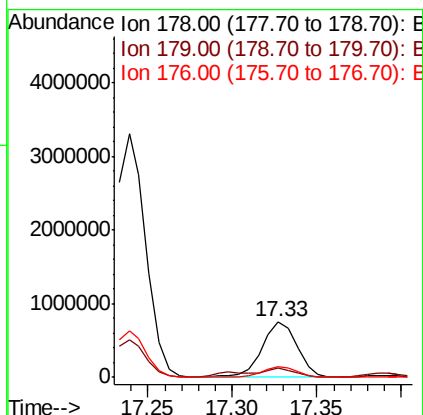
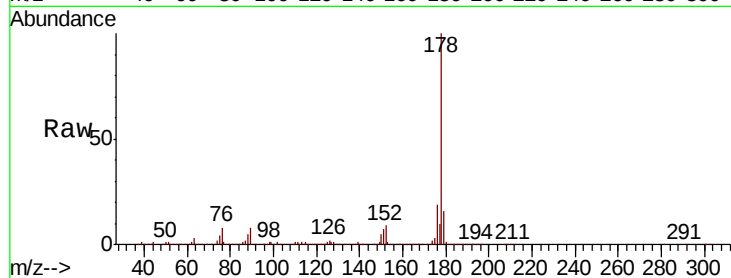




#71
 Anthracene
 Concen: 12.852 ng/ul
 RT: 17.33 min Scan# 2438
 Delta R.T. 0.00 min
 Lab File: BM020801.D
 Acq: 07 Jun 2019 13:16

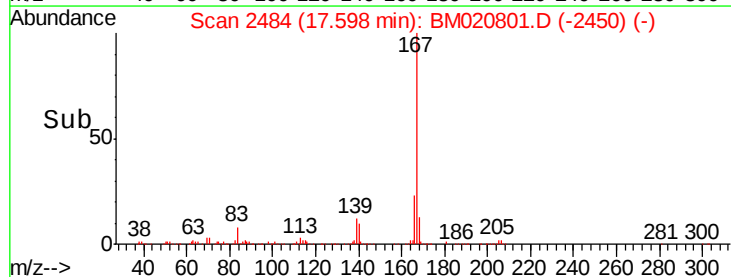
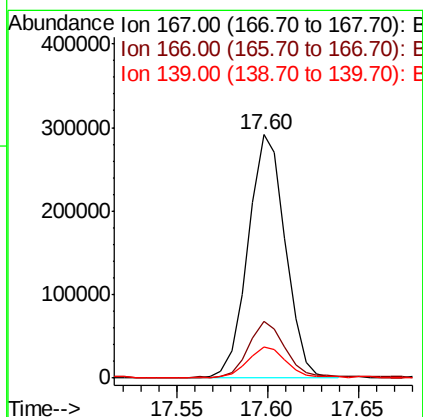
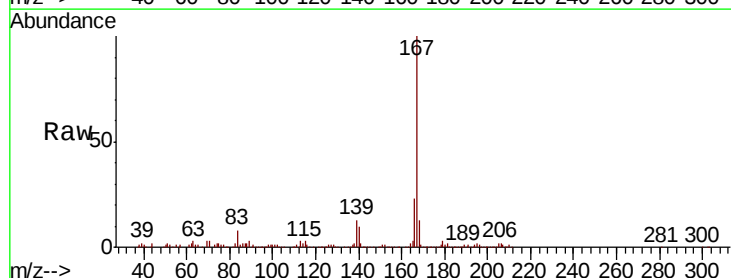
Instrument :
 BNA_M
 ClientSampleId :
 C0AB8DL

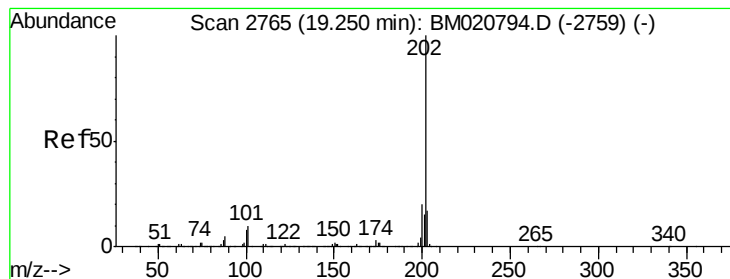
Tgt Ion:178 Resp: 1083660
 Ion Ratio Lower Upper
 178 100
 179 16.0 12.1 18.1
 176 18.8 14.9 22.3



#74
 Carbazole
 Concen: 5.629 ng/ul
 RT: 17.60 min Scan# 2484
 Delta R.T. 0.00 min
 Lab File: BM020801.D
 Acq: 07 Jun 2019 13:16

Tgt Ion:167 Resp: 412725
 Ion Ratio Lower Upper
 167 100
 166 23.2 17.0 25.6
 139 12.9 10.5 15.7





#76

Fluoranthene

Concen: 53.020 ng/ul

RT: 19.26 min Scan# 2766

Delta R.T. 0.01 min

Lab File: BM020801.D

Acq: 07 Jun 2019 13:16

Instrument :

BNA_M

ClientSampleId :

C0AB8DL

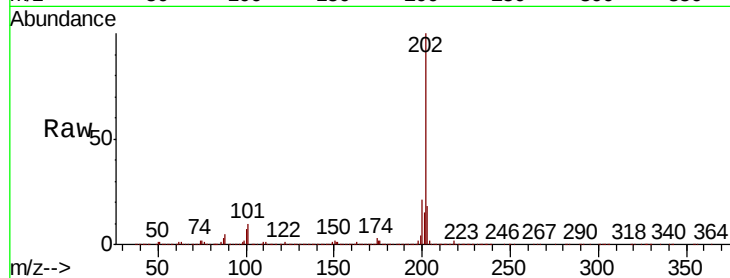
Tgt Ion:202 Resp: 4998030

Ion Ratio Lower Upper

202 100

101 9.5 7.9 11.9

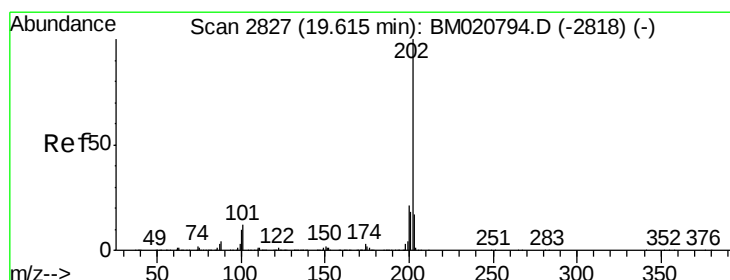
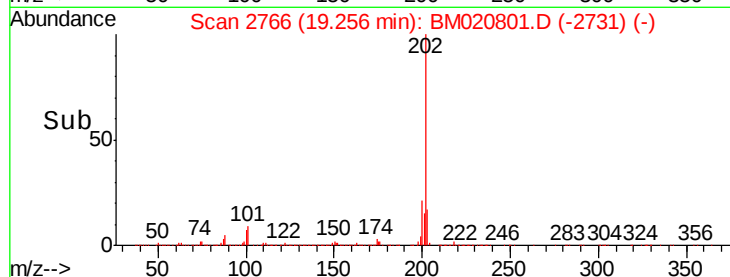
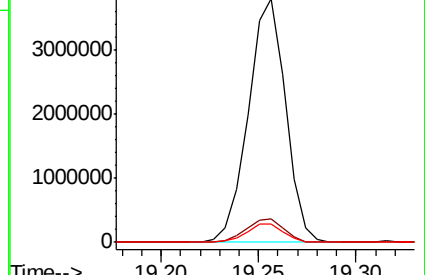
100 7.3 6.2 9.4



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: 48.374 ng/ul

RT: 19.62 min Scan# 2827

Delta R.T. 0.00 min

Lab File: BM020801.D

Acq: 07 Jun 2019 13:16

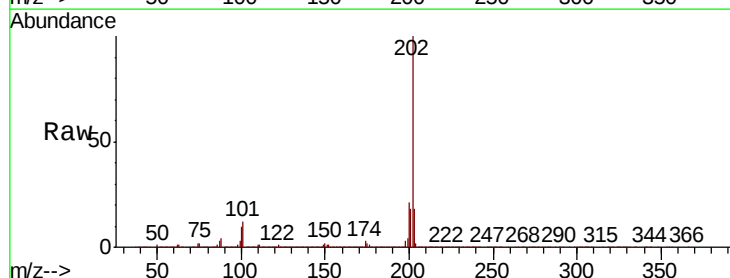
Tgt Ion:202 Resp: 4368415

Ion Ratio Lower Upper

202 100

101 11.8 9.8 14.6

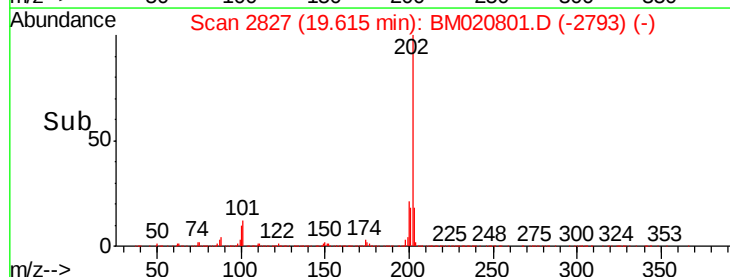
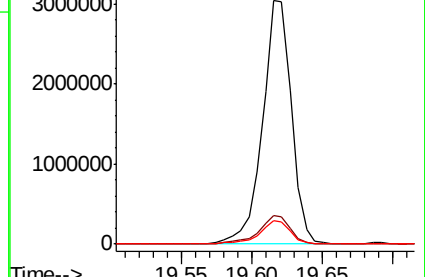
100 9.9 8.0 12.0

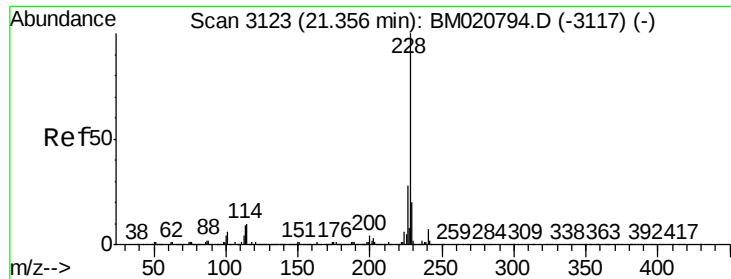


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 24.668 ng/ul

RT: 21.36 min Scan# 3124

Delta R.T. 0.01 min

Lab File: BM020801.D

Acq: 07 Jun 2019 13:16

Instrument :

BNA_M

ClientSampleId :

C0AB8DL

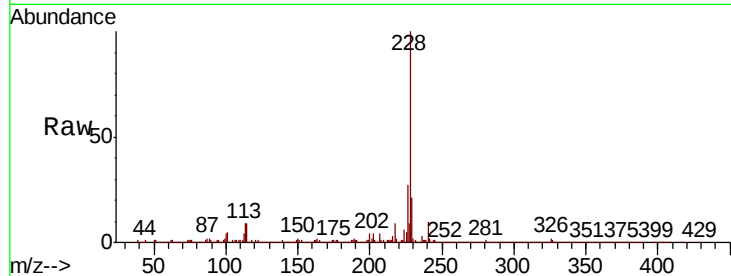
Tgt Ion:228 Resp: 2251202

Ion Ratio Lower Upper

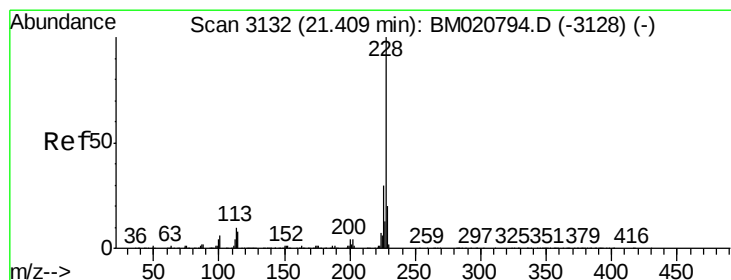
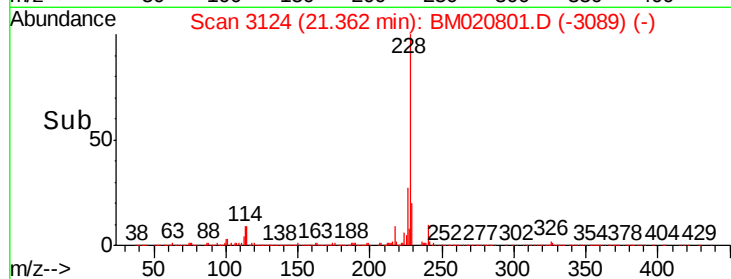
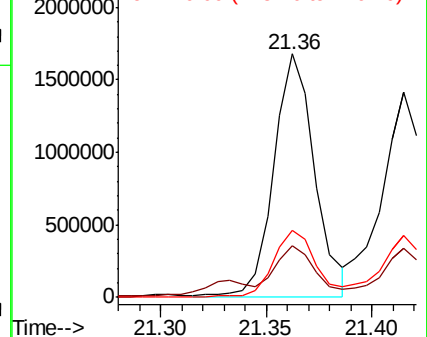
228 100

229 21.0 15.6 23.4

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: 22.837 ng/ul

RT: 21.42 min Scan# 3133

Delta R.T. 0.01 min

Lab File: BM020801.D

Acq: 07 Jun 2019 13:16

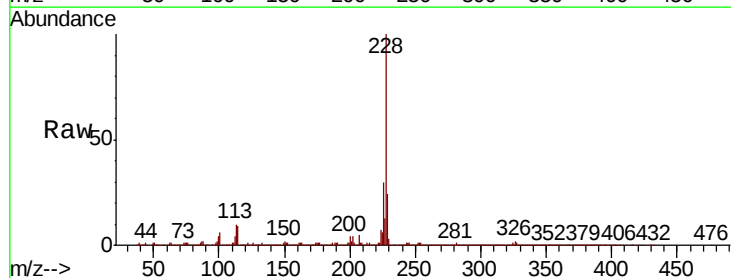
Tgt Ion:228 Resp: 1933847

Ion Ratio Lower Upper

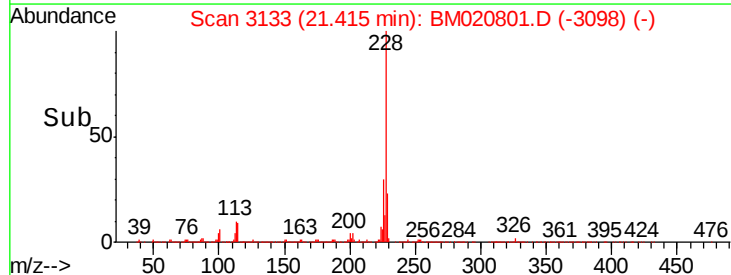
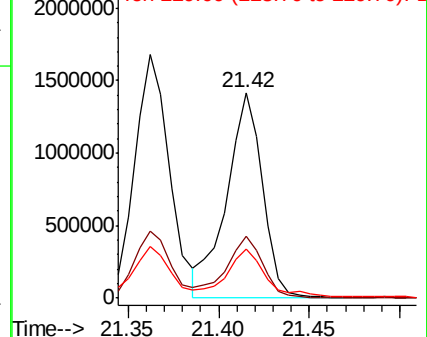
228 100

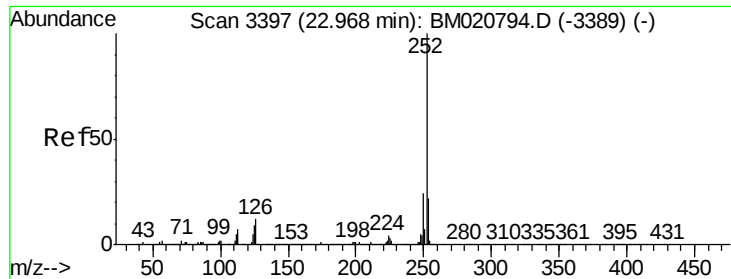
226 30.1 24.4 36.6

229 23.7 16.2 24.2



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: 23.893 ng/ul

RT: 22.98 min Scan# 3399

Delta R.T. 0.01 min

Lab File: BM020801.D

Acq: 07 Jun 2019 13:16

Instrument :

BNA_M

ClientSampleId :

C0AB8DL

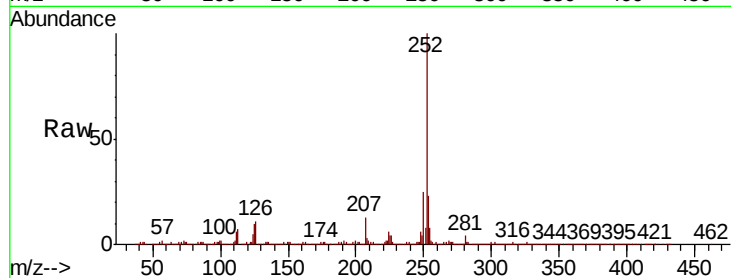
Tgt Ion:252 Resp: 2318051

Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

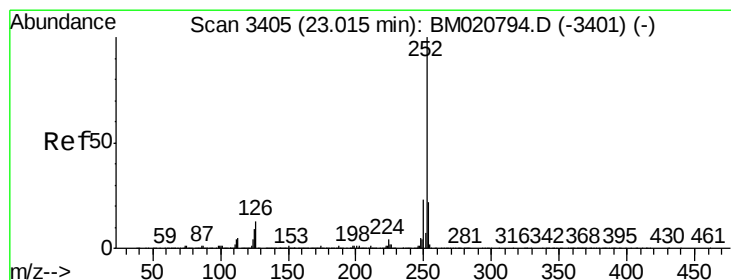
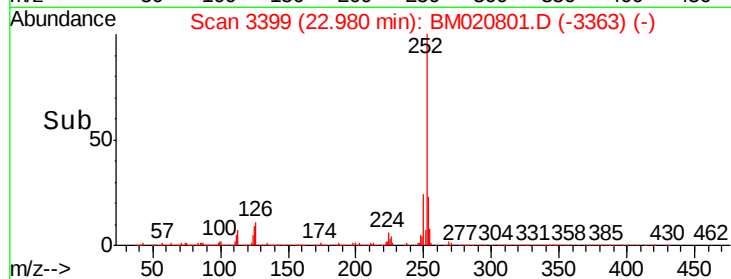
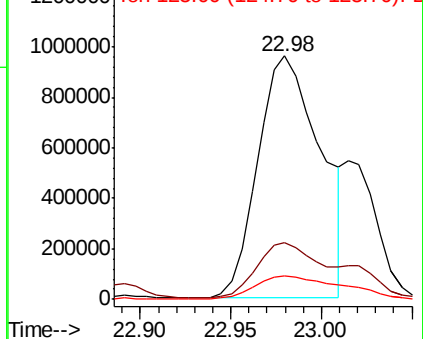
125 9.8 7.3 10.9



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: 24.997 ng/ul

RT: 22.98 min Scan# 3399

Delta R.T. -0.04 min

Lab File: BM020801.D

Acq: 07 Jun 2019 13:16

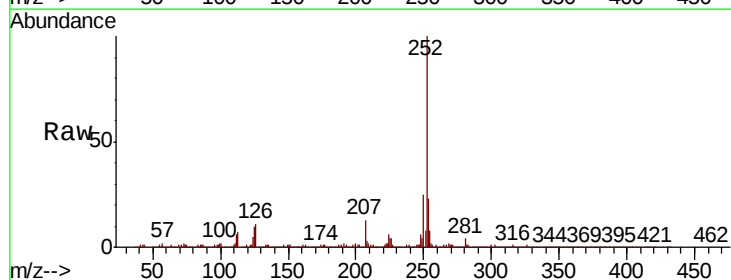
Tgt Ion:252 Resp: 2318051

Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

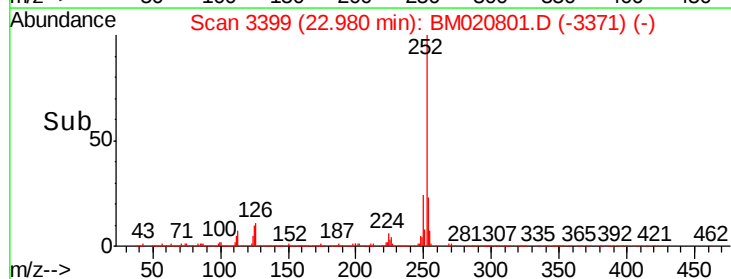
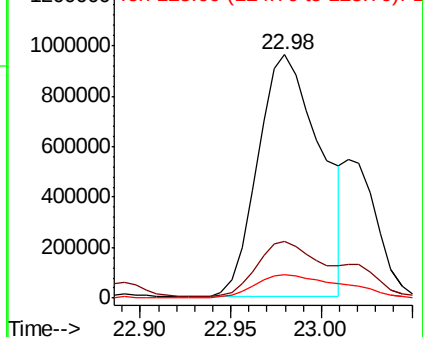
125 9.8 7.3 10.9

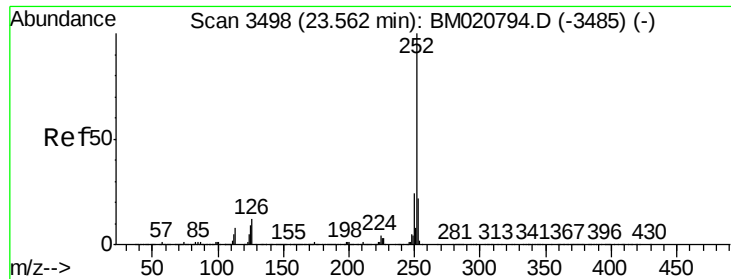


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 18.222 ng/u1

RT: 23.57 min Scan# 3499

Delta R.T. 0.01 min

Lab File: BM020801.D

Acq: 07 Jun 2019 13:16

Instrument :

BNA_M

ClientSampleId :

C0AB8DL

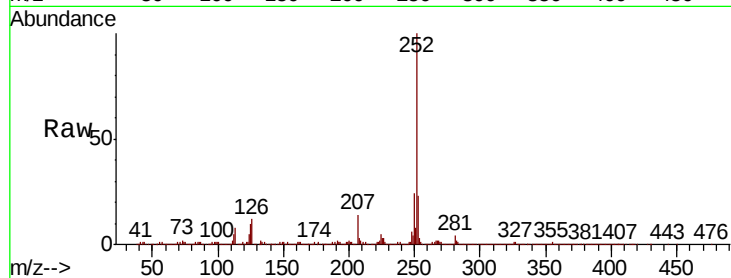
Tgt Ion:252 Resp: 1681958

Ion Ratio Lower Upper

252 100

253 22.6 17.0 25.6

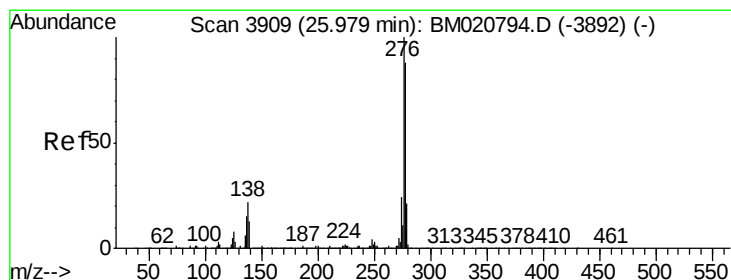
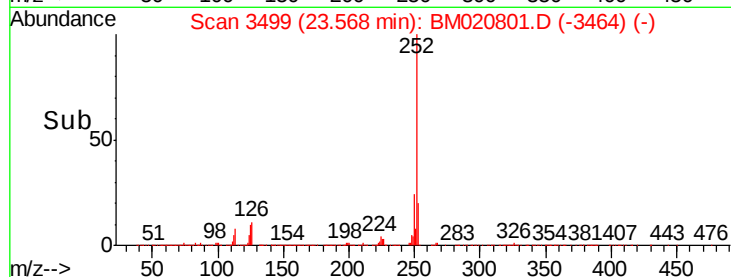
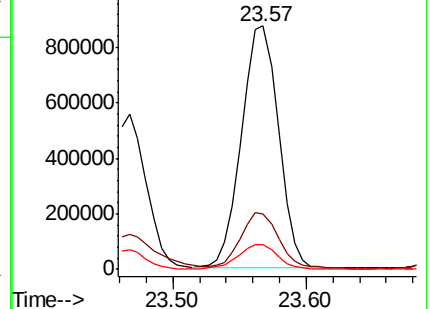
125 10.1 8.2 12.4



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



#91

Indeno(1,2,3-cd)pyrene

Concen: 8.786 ng/u1

RT: 25.98 min Scan# 3909

Delta R.T. 0.00 min

Lab File: BM020801.D

Acq: 07 Jun 2019 13:16

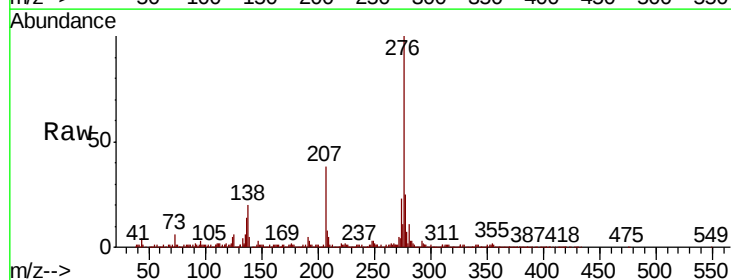
Tgt Ion:276 Resp: 957869

Ion Ratio Lower Upper

276 100

138 19.7 17.8 26.8

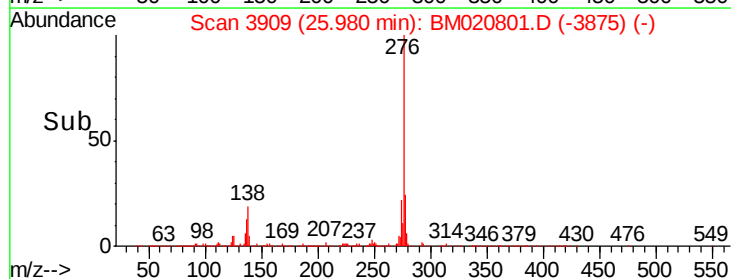
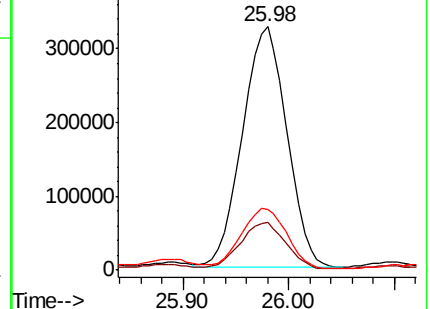
277 25.0 20.0 30.0

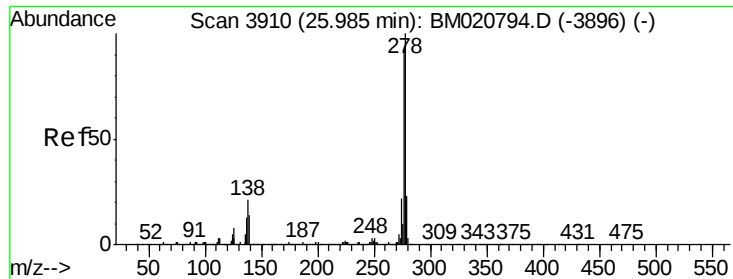


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 3.051 ng/ul

RT: 25.98 min Scan# 3909

Delta R.T. -0.01 min

Lab File: BM020801.D

Acq: 07 Jun 2019 13:16

Instrument :

BNA_M

ClientSampleId :

C0AB8DL

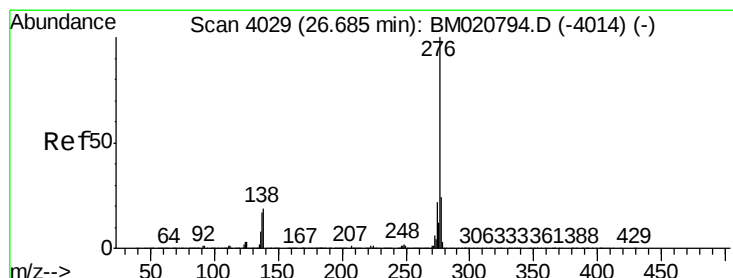
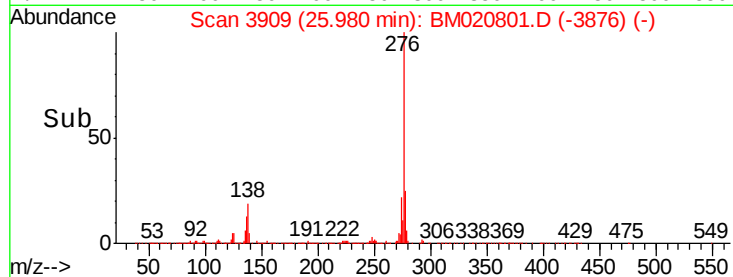
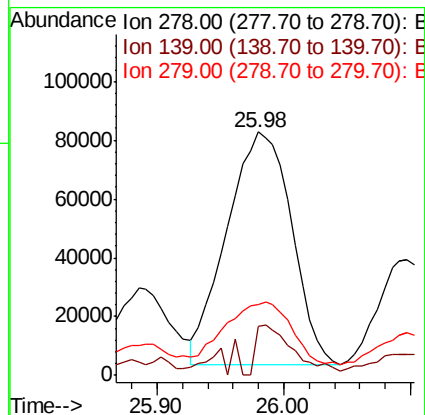
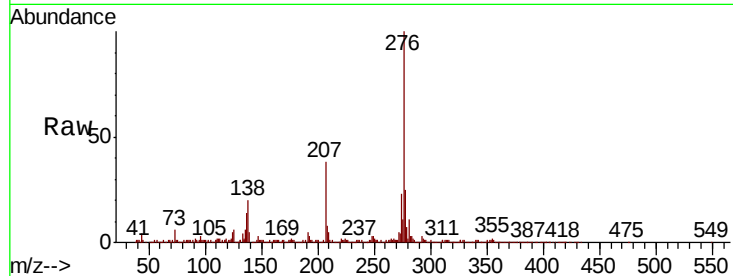
Tgt Ion:278 Resp: 281856

Ion Ratio Lower Upper

278 100

139 20.4 11.6 17.4#

279 29.0 18.6 28.0#



#93

Benzo(g,h,i)perylene

Concen: 8.363 ng/ul

RT: 26.69 min Scan# 4030

Delta R.T. 0.01 min

Lab File: BM020801.D

Acq: 07 Jun 2019 13:16

Tgt Ion:276 Resp: 739648

Ion Ratio Lower Upper

276 100

138 18.9 16.6 25.0

277 24.9 19.6 29.4

