

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM060719\
 Data File : BM020797.D
 Acq On : 07 Jun 2019 10:52
 Operator : HP/JU
 Sample : K3201-18 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AC9

Quant Time: Jun 08 00:23:55 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	300880	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	1266135	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	743348	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	1621278	20.00	ng/ul	0.00
77) Chrysene-d12	21.37	240	1444949	20.00	ng/ul	0.00
85) Perylene-d12	23.66	264	1637349	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.31	96	7165	1.14	ng/uL	0.00
5) Phenol-d5	6.97	99	132874	5.77	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	82924	6.01	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	117757	6.42	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	98530	5.32	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	55103	6.38	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	57894	6.51	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	118748	6.40	ng/ul	0.00
29) 4-Chloroaniline-d4	10.75	131	118987	5.32	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	388970	7.07	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	467523	6.71	ng/ul	0.00
51) 4-Nitrophenol-d4	14.65	143	33085	3.51	ng/ul	0.00
57) Fluorene-d10	15.44	176	331329	7.09	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	16631	2.01	ng/ul	0.00
70) Anthracene-d10	17.29	188	487465	6.88	ng/ul	0.00
78) Pyrene-d10	19.59	212	497070	7.12	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.51	264	487898	6.56	ng/ul	0.00

Target Compounds

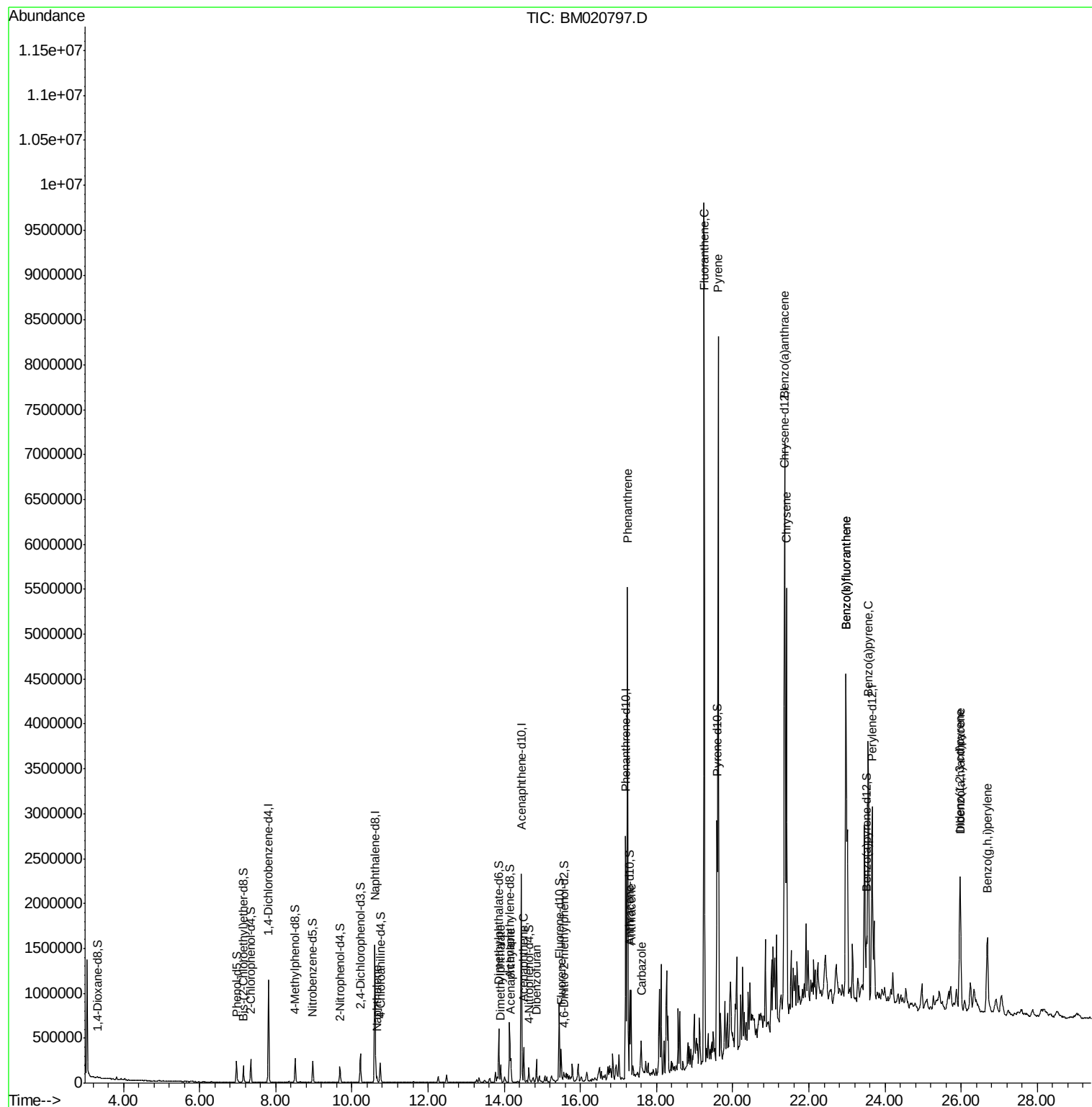
					Qvalue	
28) Naphthalene	10.65	128	60281	1.014	ng/ul	97
44) Dimethylphthalate	13.90	163	115103	2.091	ng/ul	100
47) Acenaphthylene	14.17	152	162197	2.405	ng/ul	98
49) Acenaphthene	14.51	153	159341	3.384	ng/ul	100
53) Dibenzofuran	14.85	168	117953	1.771	ng/ul	99
58) Fluorene	15.50	166	148993	2.786	ng/ul	99
69) Phenanthrene	17.24	178	3256067	39.905	ng/ul	99
71) Anthracene	17.33	178	594994	7.114	ng/ul	99
74) Carbazole	17.60	167	216863	2.982	ng/ul	99
76) Fluoranthene	19.25	202	5742769	61.416	ng/ul	99
79) Pyrene	19.62	202	4871774	54.620	ng/ul	99
82) Benzo(a)anthracene	21.36	228	2694278	29.891	ng/ul	98
84) Chrysene	21.41	228	2502175	29.916	ng/ul	98
87) Benzo(b)fluoranthene	22.97	252	3246639	34.086	ng/ul	98
88) Benzo(k)fluoranthene	22.97	252	3246639	35.661	ng/ul	98
90) Benzo(a)pyrene	23.56	252	2181426	24.073	ng/ul	96
91) Indeno(1,2,3-cd)pyrene	25.97	276	1432734	13.386	ng/ul	96
92) Dibenzo(a,h)anthracene	25.98	278	404261	4.458	ng/ul#	94
93) Benzo(g,h,i)perylene	26.69	276	1046168	12.048	ng/ul	99

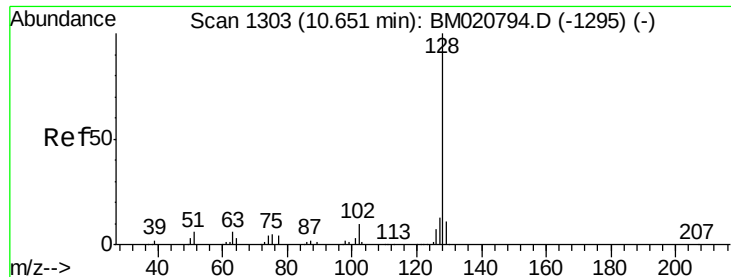
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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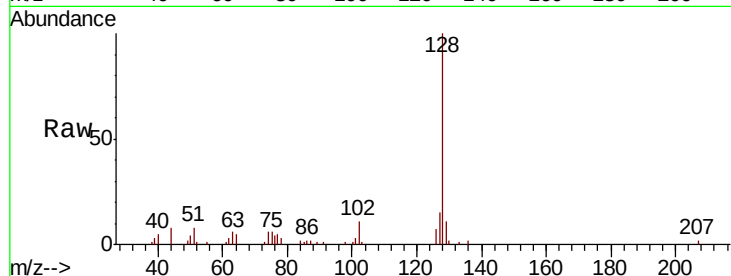




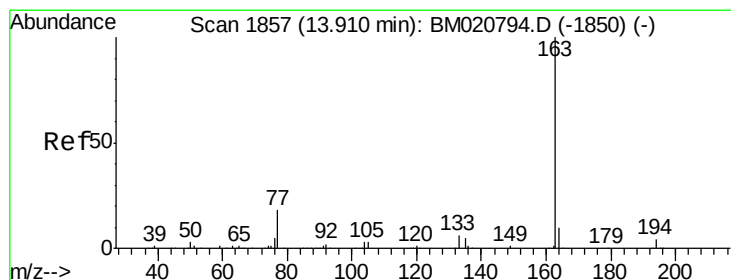
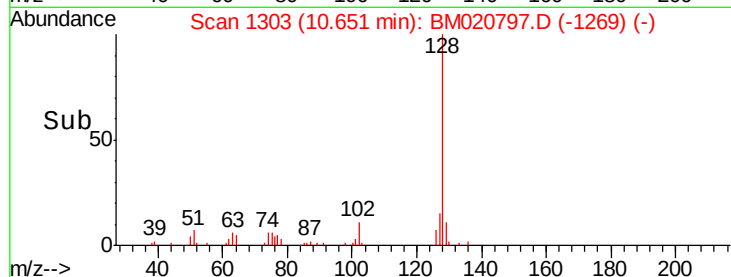
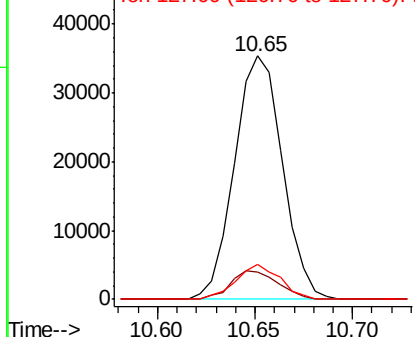
#28
Naphthalene
Concen: 1.014 ng/ul
RT: 10.65 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BM020797.D
Acq: 07 Jun 2019 10:52

Instrument :
BNA_M
ClientSampleId :
C0AC9

Tgt Ion:128 Resp: 60281
Ion Ratio Lower Upper
128 100
129 11.4 8.6 13.0
127 14.6 10.2 15.2

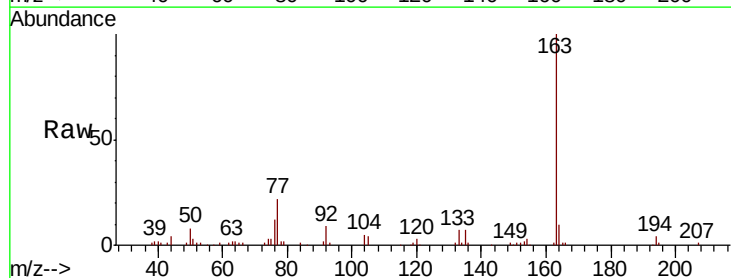


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

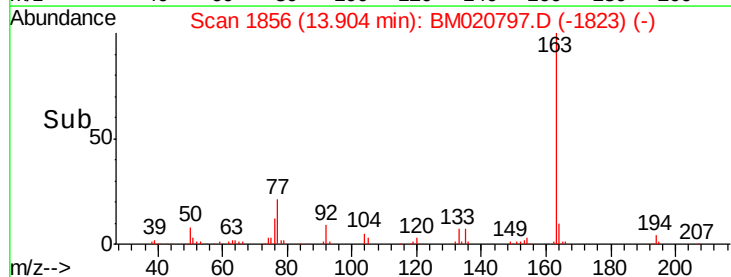
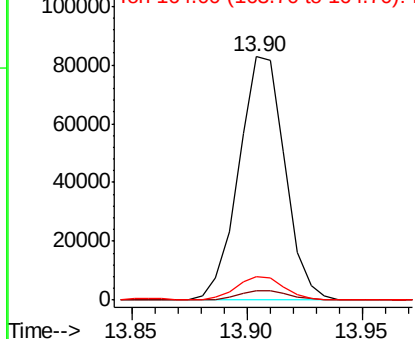


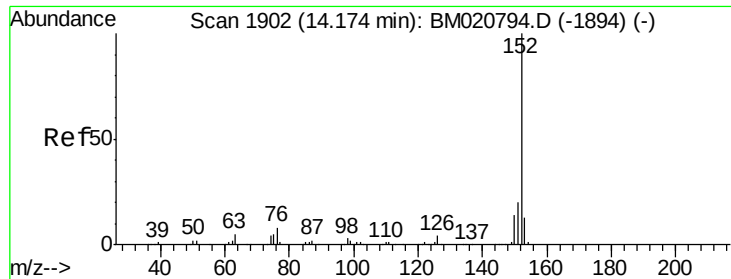
#44
Dimethylphthalate
Concen: 2.091 ng/ul
RT: 13.90 min Scan# 1856
Delta R.T. -0.01 min
Lab File: BM020797.D
Acq: 07 Jun 2019 10:52

Tgt Ion:163 Resp: 115103
Ion Ratio Lower Upper
163 100
194 3.9 3.2 4.8
164 9.8 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: 2.405 ng/ul

RT: 14.17 min Scan# 1901

Delta R.T. -0.01 min

Lab File: BM020797.D

Acq: 07 Jun 2019 10:52

Instrument :

BNA_M

ClientSampleId :

C0AC9

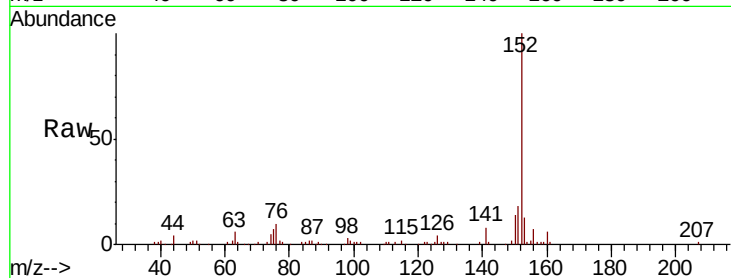
Tgt Ion:152 Resp: 162197

Ion Ratio Lower Upper

152 100

151 18.5 16.2 24.2

153 13.3 10.6 15.8

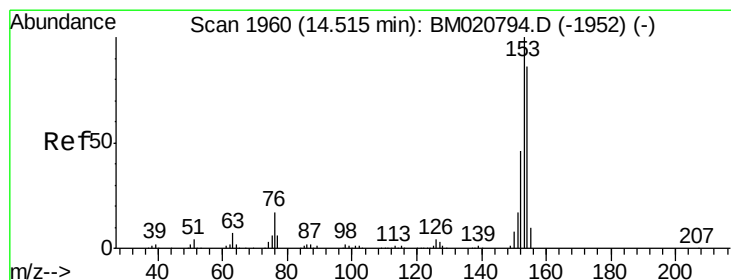
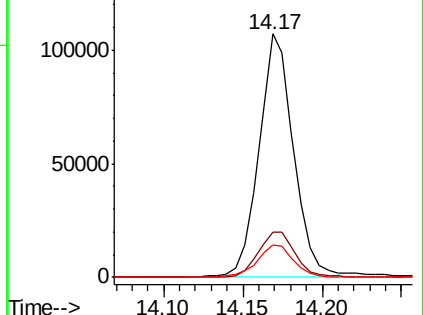
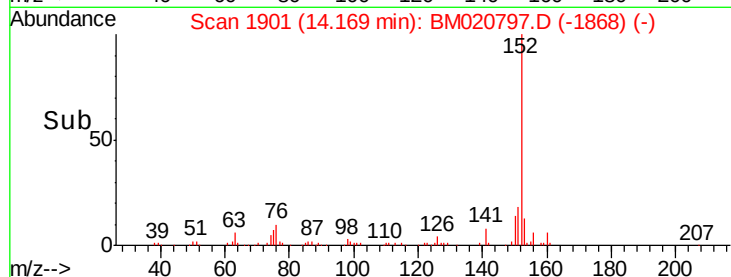


Abundance

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: 3.384 ng/ul

RT: 14.51 min Scan# 1959

Delta R.T. -0.01 min

Lab File: BM020797.D

Acq: 07 Jun 2019 10:52

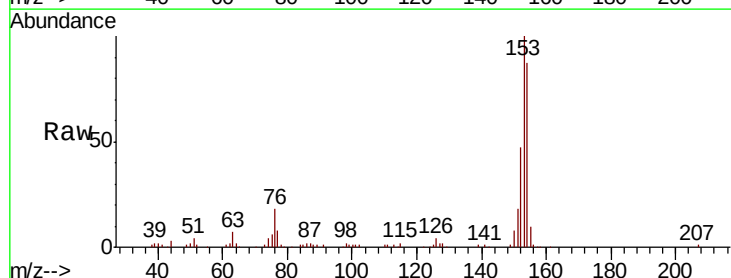
Tgt Ion:153 Resp: 159341

Ion Ratio Lower Upper

153 100

152 46.7 37.3 55.9

154 86.5 68.7 103.1

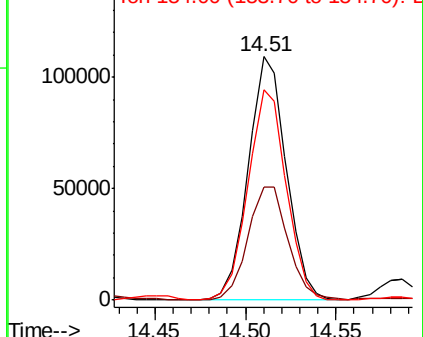
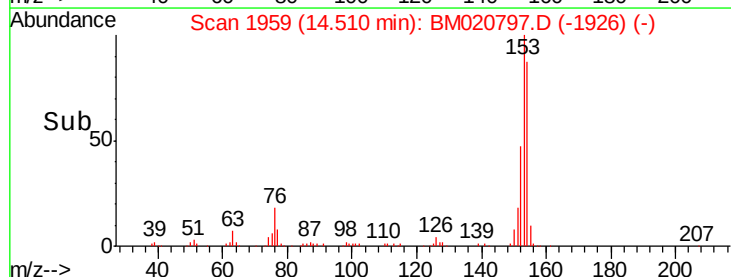


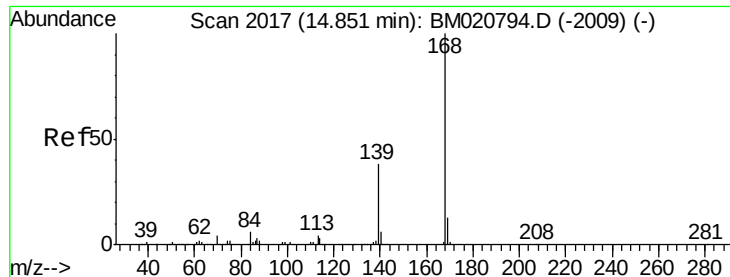
Abundance

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

Dibenzenofuran

Concen: 1.771 ng/ul

RT: 14.85 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BM020797.D

Acq: 07 Jun 2019 10:52

Instrument :

BNA_M

ClientSampleId :

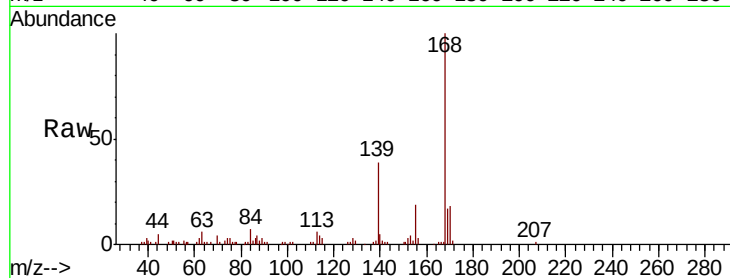
C0AC9

Tgt Ion:168 Resp: 117953

Ion Ratio Lower Upper

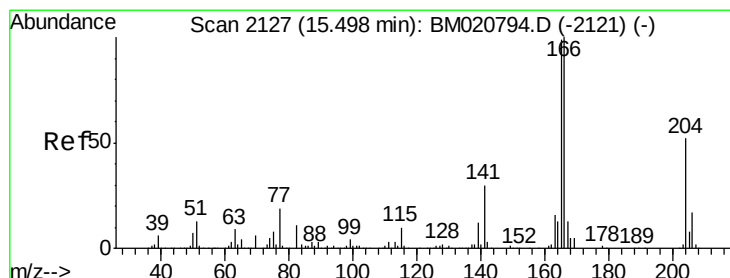
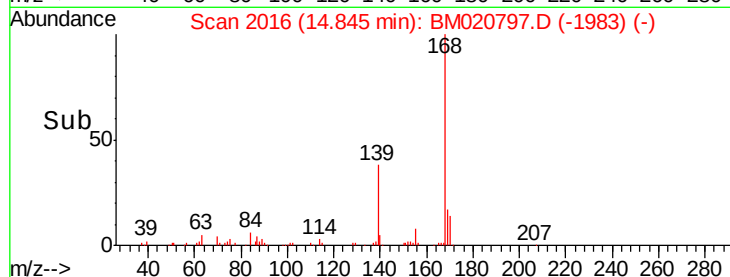
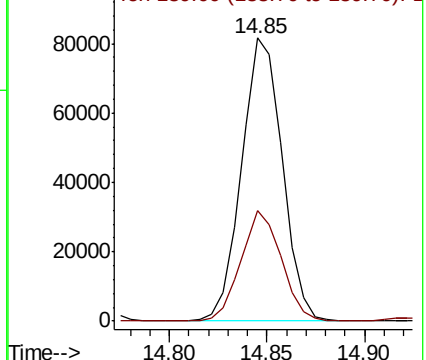
168 100

139 38.9 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: 2.786 ng/ul

RT: 15.50 min Scan# 2127

Delta R.T. 0.00 min

Lab File: BM020797.D

Acq: 07 Jun 2019 10:52

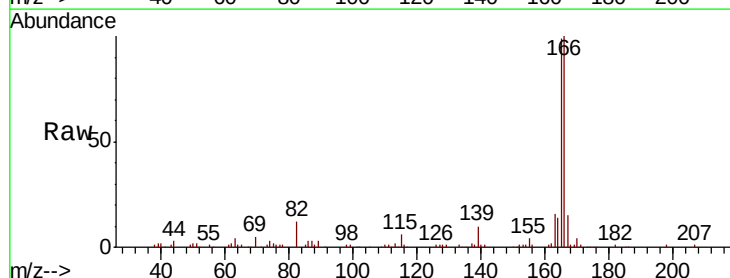
Tgt Ion:166 Resp: 148993

Ion Ratio Lower Upper

166 100

165 98.8 78.6 117.8

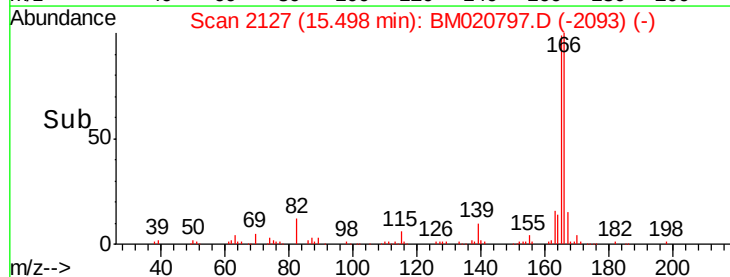
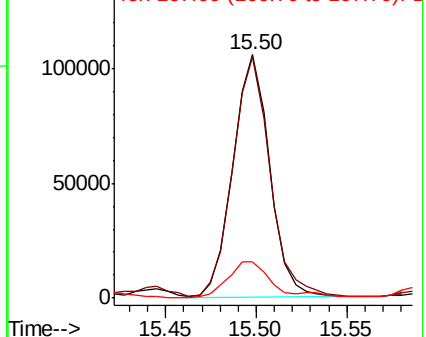
167 15.2 10.8 16.2

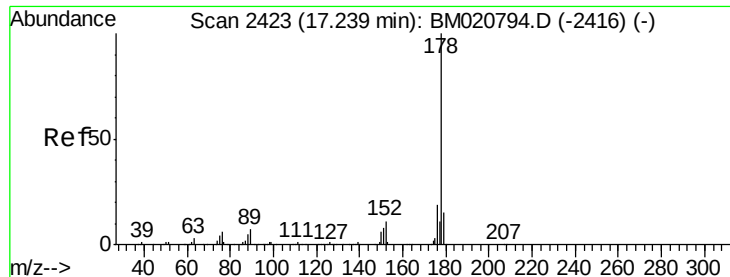


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 39.905 ng/ul

RT: 17.24 min Scan# 2423

Delta R.T. 0.00 min

Lab File: BM020797.D

Acq: 07 Jun 2019 10:52

Instrument :

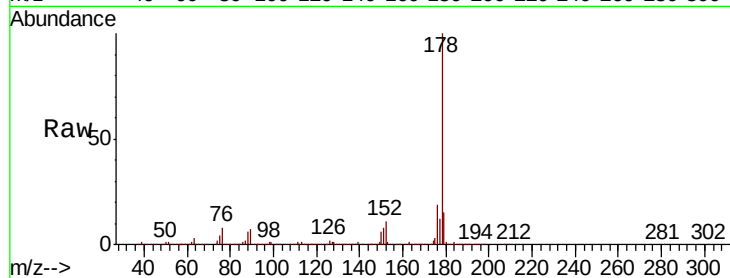
BNA_M

ClientSampleId :

C0AC9

Tgt Ion:178 Resp: 3256067

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.3	18.5
176	19.3	14.8	22.2

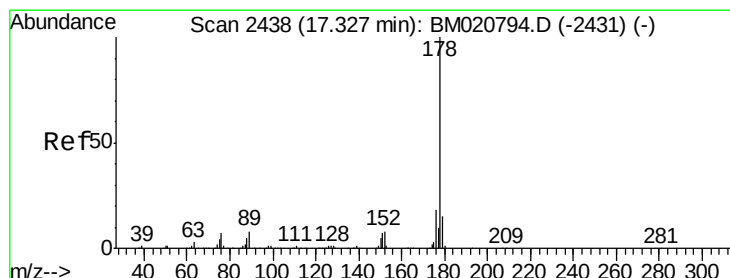
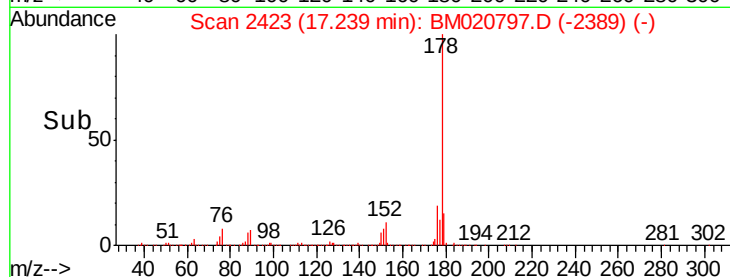
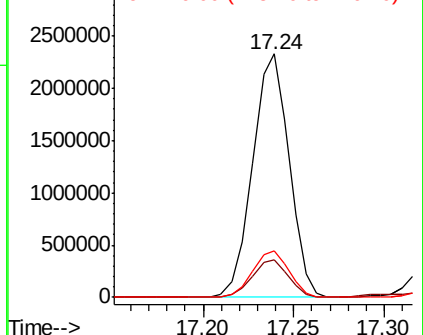


Abundance

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: 7.114 ng/ul

RT: 17.33 min Scan# 2438

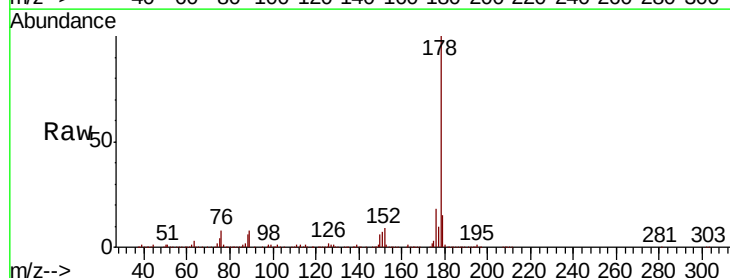
Delta R.T. 0.00 min

Lab File: BM020797.D

Acq: 07 Jun 2019 10:52

Tgt Ion:178 Resp: 594994

Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.1	18.1
176	17.9	14.9	22.3

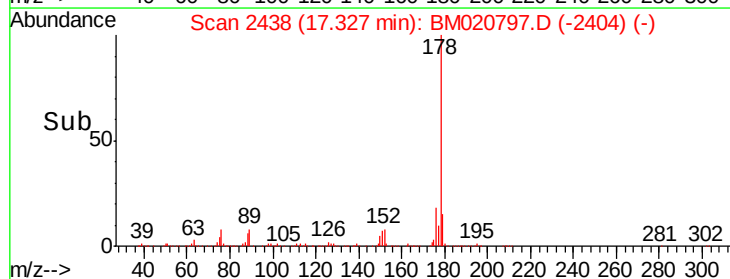
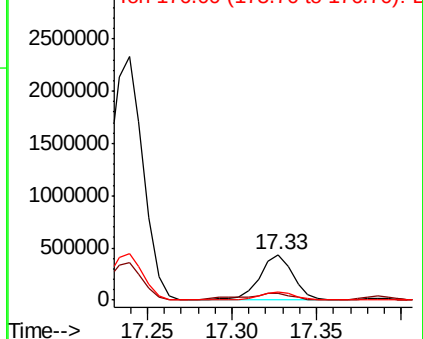


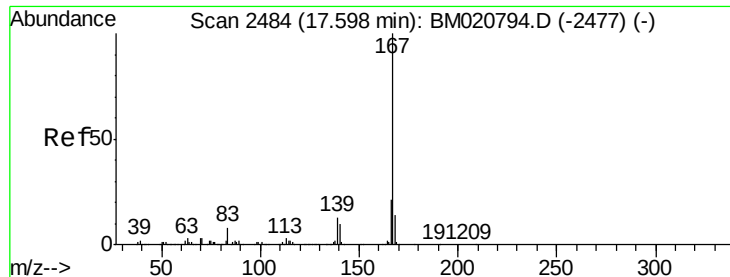
Abundance

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: 2.982 ng/ul

RT: 17.60 min Scan# 2484

Delta R.T. 0.00 min

Lab File: BM020797.D

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Instrument :

BNA_M

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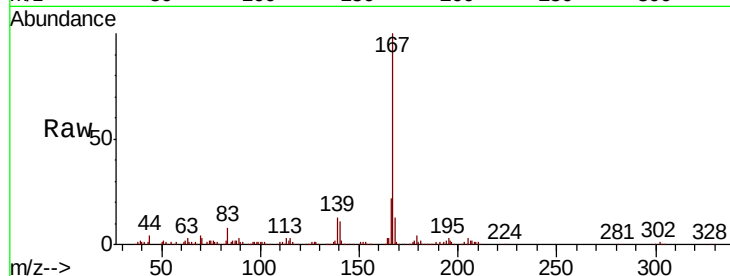
Tgt Ion:167 Resp: 216863

Ion Ratio Lower Upper

167 100

166 22.1 17.0 25.6

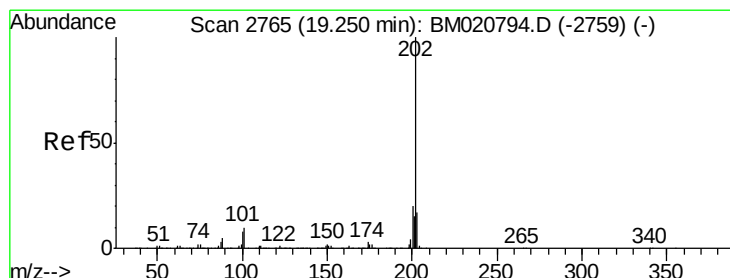
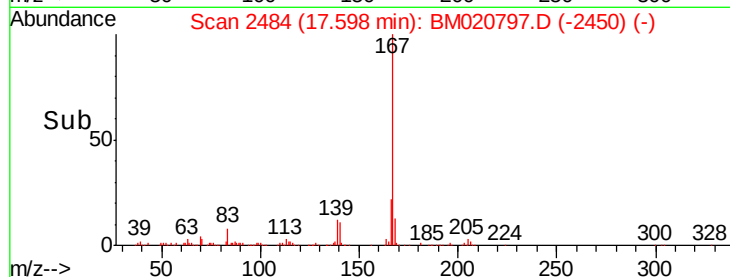
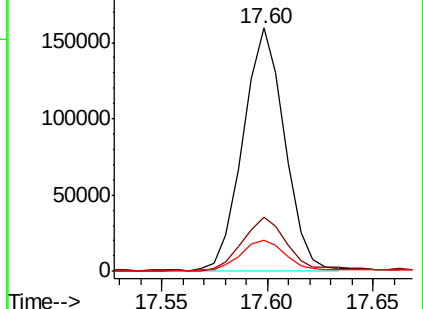
139 12.7 10.5 15.7



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: 61.416 ng/ul

RT: 19.25 min Scan# 2765

Delta R.T. 0.00 min

Lab File: BM020797.D

Acq: 07 Jun 2019 10:52

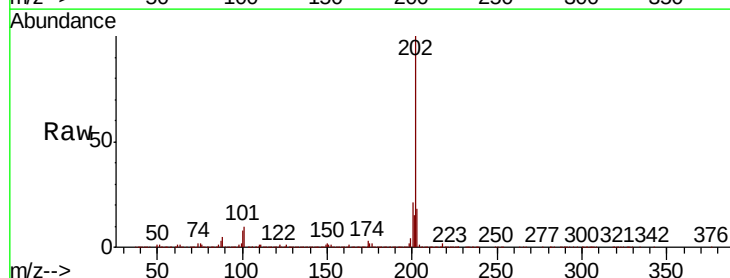
Tgt Ion:202 Resp: 5742769

Ion Ratio Lower Upper

202 100

101 10.1 7.9 11.9

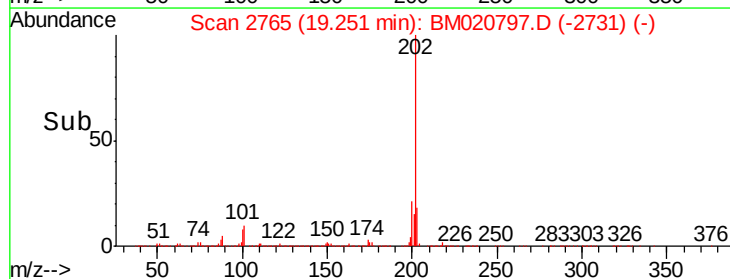
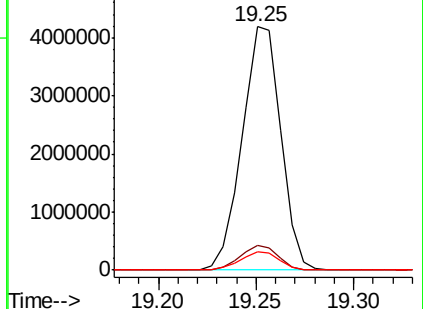
100 7.7 6.2 9.4

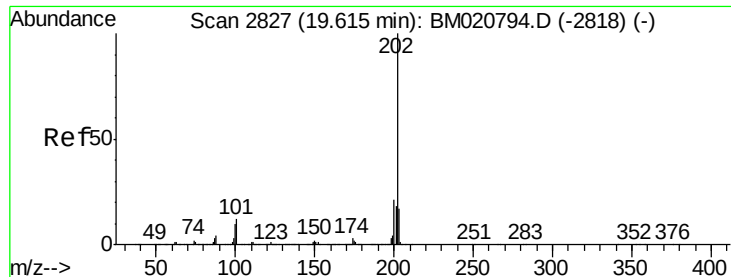


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#79

Pyrene

Concen: 54.620 ng/ul

RT: 19.62 min Scan# 2827

Delta R.T. 0.00 min

Lab File: BM020797.D

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BNA_M

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C0AC9

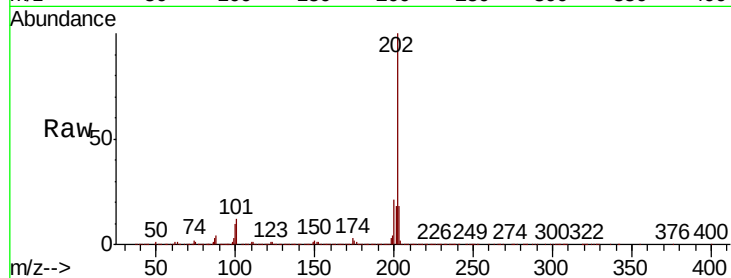
Tgt Ion:202 Resp: 4871774

Ion Ratio Lower Upper

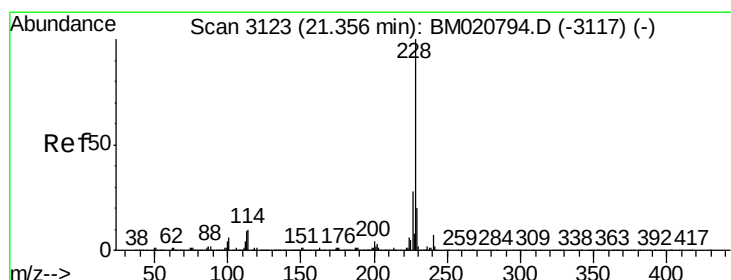
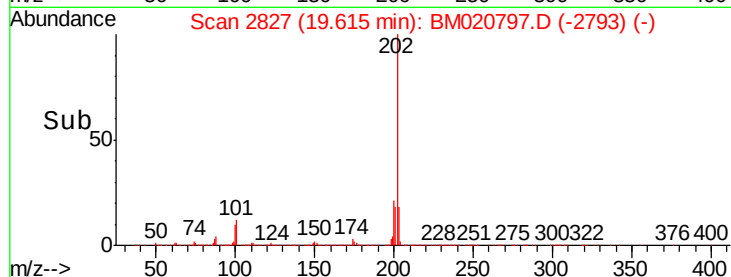
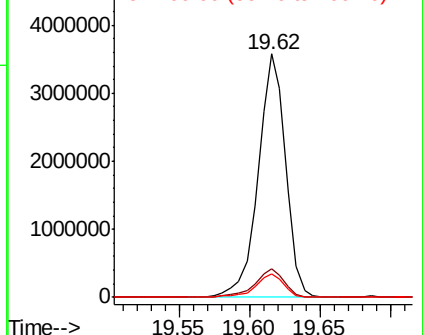
202 100

101 11.9 9.8 14.6

100 9.8 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: 29.891 ng/ul

RT: 21.36 min Scan# 3123

Delta R.T. 0.00 min

Lab File: BM020797.D

Acq: 07 Jun 2019 10:52

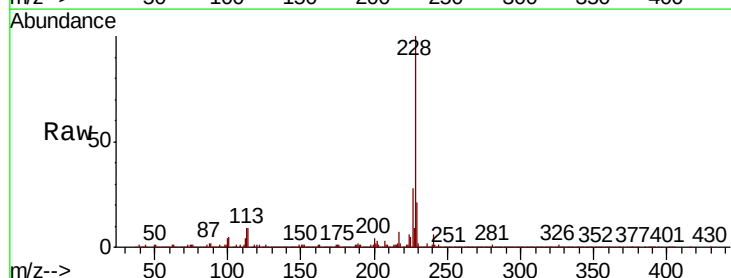
Tgt Ion:228 Resp: 2694278

Ion Ratio Lower Upper

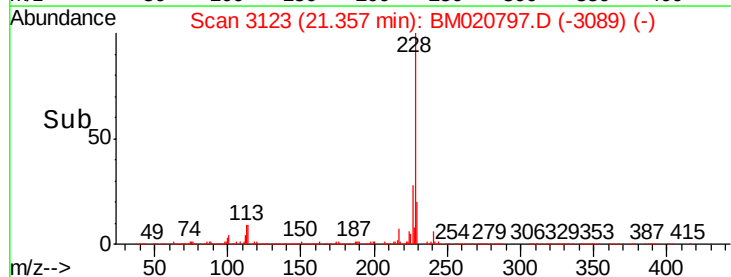
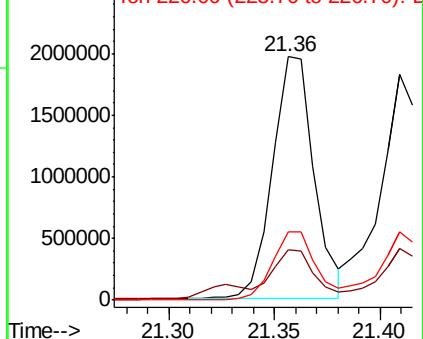
228 100

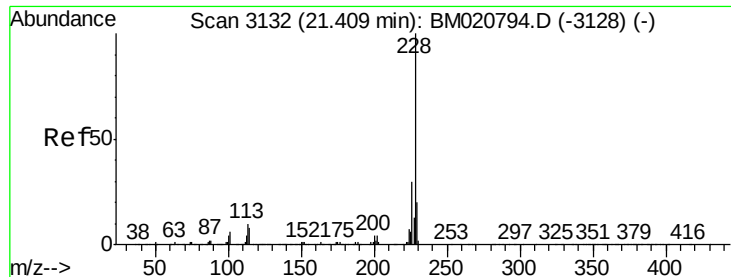
229 20.8 15.6 23.4

226 28.0 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: 29.916 ng/ul

RT: 21.41 min Scan# 3132

Delta R.T. 0.00 min

Lab File: BM020797.D

Acq: 07 Jun 2019 10:52

Instrument :

BNA_M

ClientSampleId :

C0AC9

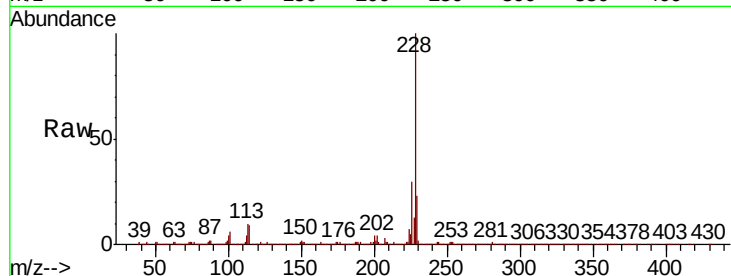
Tgt Ion:228 Resp: 2502175

Ion Ratio Lower Upper

228 100

226 30.2 24.4 36.6

229 22.6 16.2 24.2

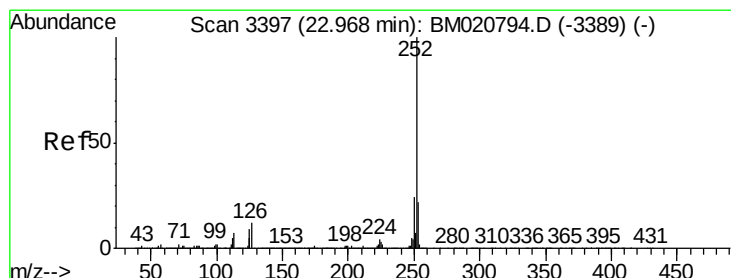
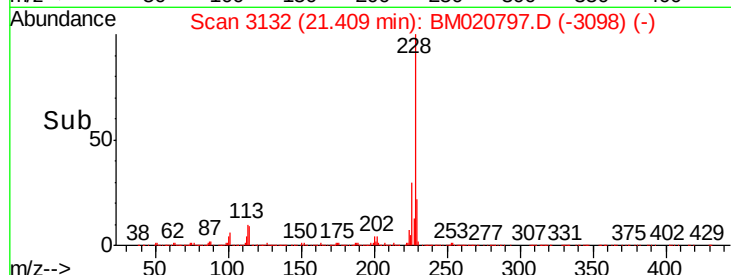
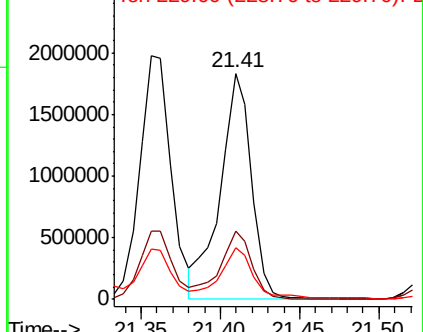


Abundance

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: 34.086 ng/ul

RT: 22.97 min Scan# 3398

Delta R.T. 0.01 min

Lab File: BM020797.D

Acq: 07 Jun 2019 10:52

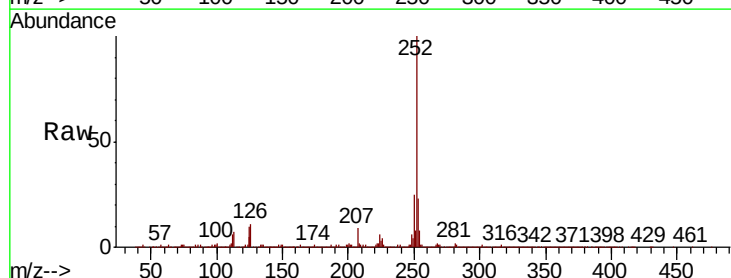
Tgt Ion:252 Resp: 3246639

Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

125 9.8 7.3 10.9

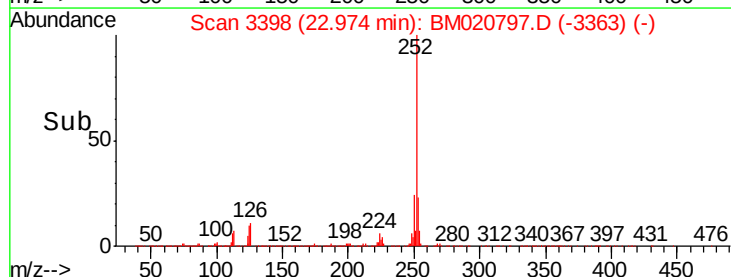
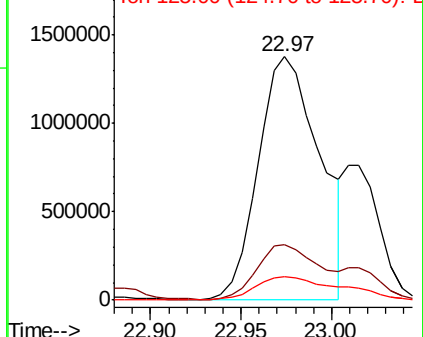


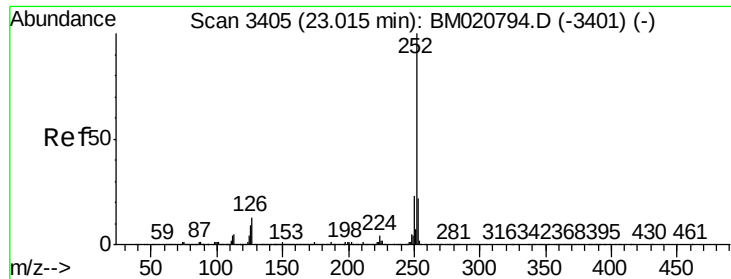
Abundance

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: 35.661 ng/ul

RT: 22.97 min Scan# 3398

Delta R.T. -0.04 min

Lab File: BM020797.D

Acq: 07 Jun 2019 10:52

Instrument :

BNA_M

ClientSampleId :

C0AC9

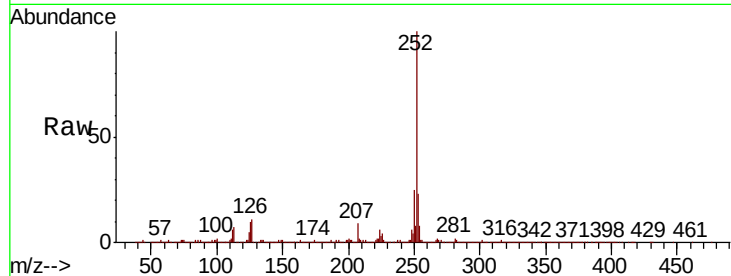
Tgt Ion:252 Resp: 3246639

Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

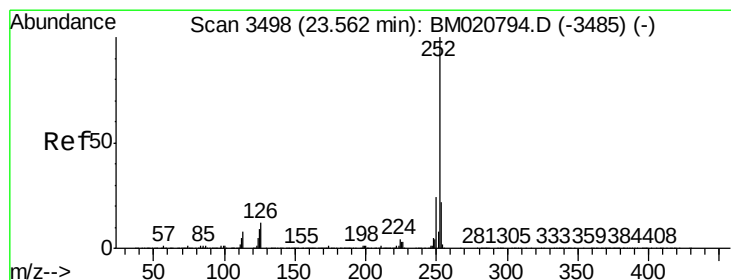
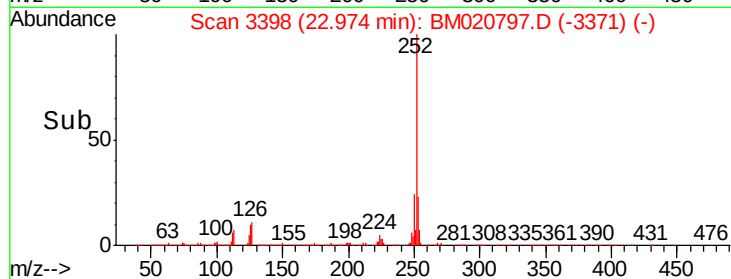
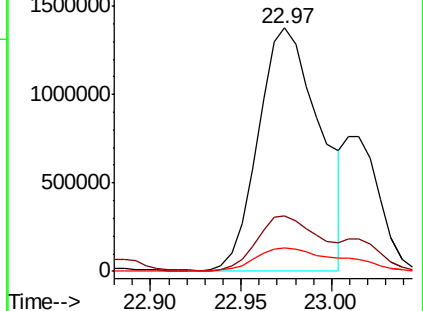
125 9.8 7.3 10.9



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: 24.073 ng/ul

RT: 23.56 min Scan# 3498

Delta R.T. 0.00 min

Lab File: BM020797.D

Acq: 07 Jun 2019 10:52

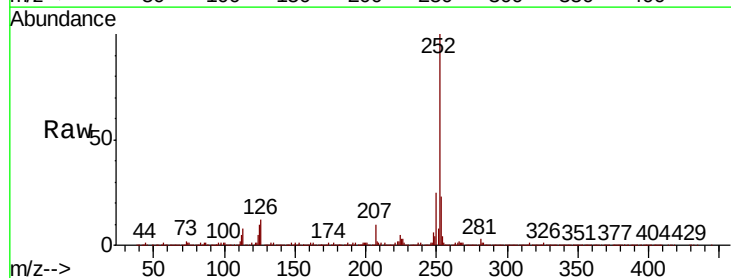
Tgt Ion:252 Resp: 2181426

Ion Ratio Lower Upper

252 100

253 23.4 17.0 25.6

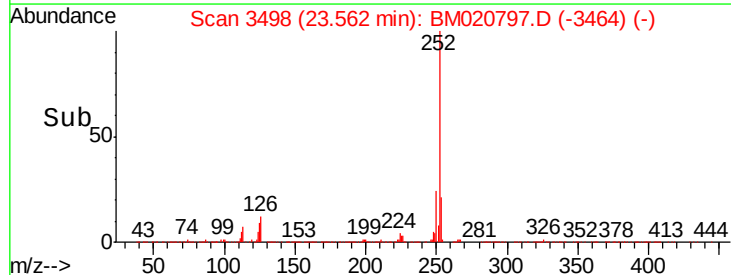
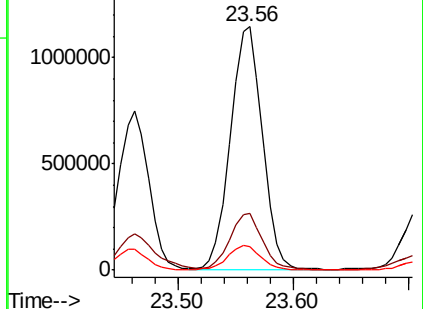
125 9.7 8.2 12.4

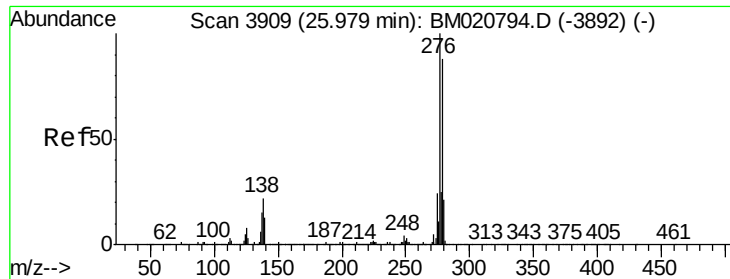


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



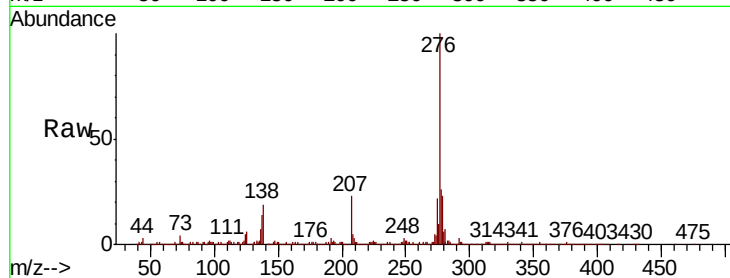


#91

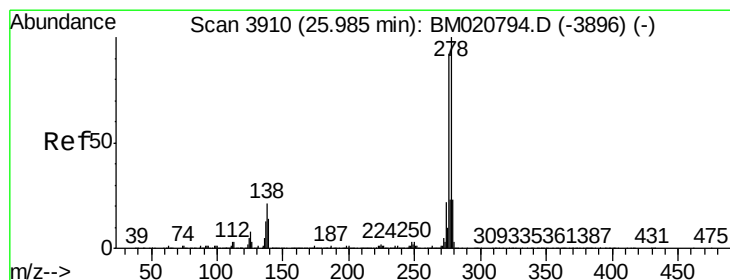
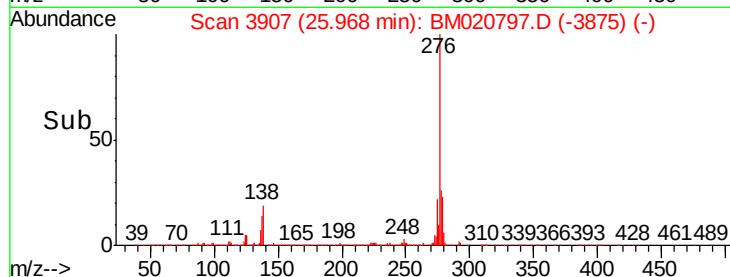
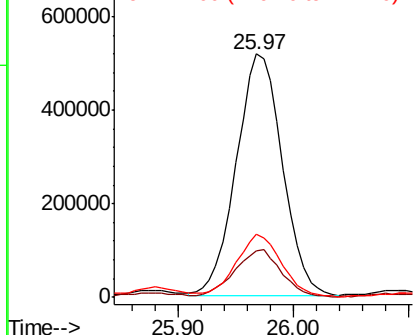
Indeno(1,2,3-cd)pyrene
Concen: 13.386 ng/ul
RT: 25.97 min Scan# 3907
Delta R.T. -0.01 min
Lab File: BM020797.D
Acq: 07 Jun 2019 10:52

Instrument :
BNA_M
ClientSampleId :
C0AC9

Tgt Ion:276 Resp: 1432734
Ion Ratio Lower Upper
276 100
138 19.3 17.8 26.8
277 26.0 20.0 30.0



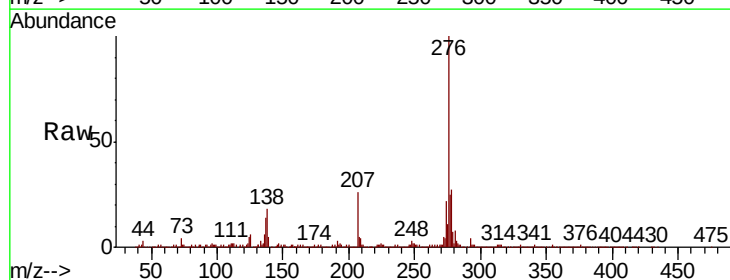
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



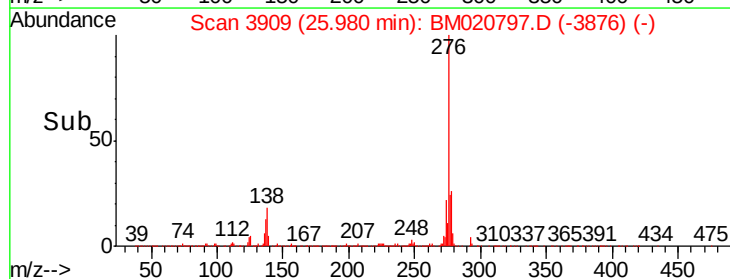
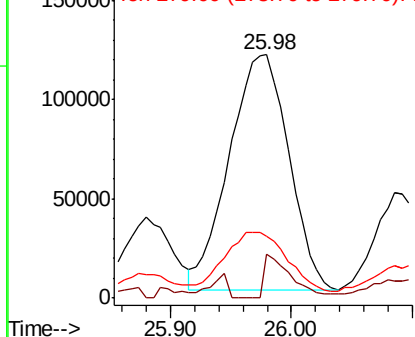
#92

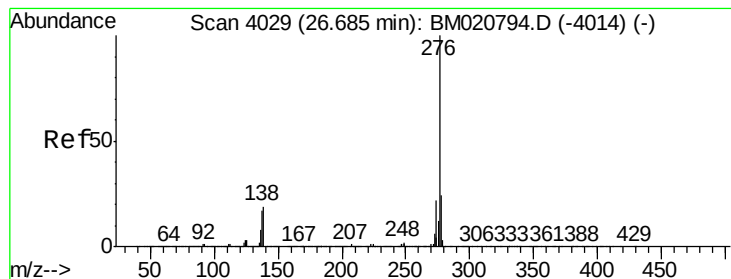
Dibenzo(a,h)anthracene
Concen: 4.458 ng/ul
RT: 25.98 min Scan# 3909
Delta R.T. -0.01 min
Lab File: BM020797.D
Acq: 07 Jun 2019 10:52

Tgt Ion:278 Resp: 404261
Ion Ratio Lower Upper
278 100
139 18.3 11.6 17.4#
279 25.4 18.6 28.0



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: 12.048 ng/ul

RT: 26.69 min Scan# 4029

Delta R.T. 0.00 min

Lab File: BM020797.D

Acq: 07 Jun 2019 10:52

Instrument :

BNA_M

ClientSampleId :

C0AC9

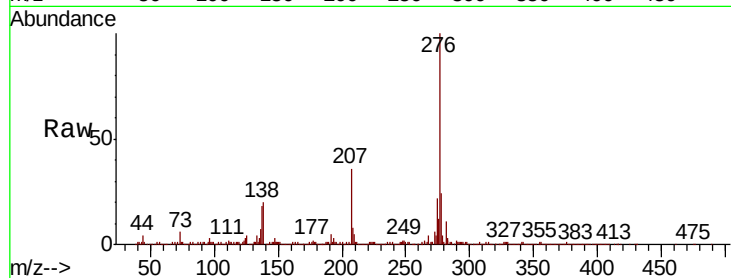
Tgt Ion: 276 Resp: 1046168

Ion Ratio Lower Upper

276 100

138 19.6 16.6 25.0

277 24.3 19.6 29.4



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

