

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM060719\
 Data File : BM020798.D
 Acq On : 07 Jun 2019 11:28
 Operator : HP/JU
 Sample : K3201-14DL 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AC5DL

Quant Time: Jun 08 00:24:06 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	411936	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	1718239	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	989404	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.20	188	2110884	20.00	ng/ul	0.00
77) Chrysene-d12	21.37	240	1853269	20.00	ng/ul	0.00
85) Perylene-d12	23.66	264	2083673	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.31	96	20664	2.39	ng/uL	0.00
5) Phenol-d5	6.97	99	429834	13.64	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	276157	14.61	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	367794	14.65	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	322413	12.71	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	185536	15.82	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	201204	16.67	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	382667	15.20	ng/ul	0.00
29) 4-Chloroaniline-d4	10.74	131	329042	10.85	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	1205119	16.47	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	1436870	15.48	ng/ul	0.00
51) 4-Nitrophenol-d4	14.65	143	140530	11.19	ng/ul	0.00
57) Fluorene-d10	15.44	176	992282	15.95	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	88947	8.24	ng/ul	0.00
70) Anthracene-d10	17.29	188	1435348	15.57	ng/ul	0.00
78) Pyrene-d10	19.59	212	1422577	15.88	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.52	264	1437487	15.18	ng/ul	0.00

Target Compounds

					Qvalue
6) Phenol	7.00	94	32761	1.010 ng/ul	98
17) Hexachloroethane	8.90	117	16148	1.487 ng/ul#	4
28) Naphthalene	10.65	128	112960	1.400 ng/ul	99
44) Dimethylphthalate	13.90	163	410429	5.601 ng/ul	99
47) Acenaphthylene	14.17	152	210309	2.342 ng/ul	99
49) Acenaphthene	14.51	153	180644	2.882 ng/ul	96
53) Dibenzofuran	14.85	168	149131	1.682 ng/ul	97
58) Fluorene	15.50	166	197069	2.769 ng/ul	98
69) Phenanthrene	17.24	178	4013371	37.778 ng/ul	99
71) Anthracene	17.33	178	781711	7.179 ng/ul	99
74) Carbazole	17.60	167	321261	3.392 ng/ul	99
76) Fluoranthene	19.26	202	7043108	57.852 ng/ul	99
79) Pyrene	19.62	202	6286029	54.948 ng/ul	99
82) Benzo(a)anthracene	21.36	228	3365577	29.112 ng/ul	97
83) Bis(2-ethylhexyl)phthalate	21.29	149	190545	2.423 ng/ul	99
84) Chrysene	21.42	228	3269120	30.474 ng/ul	98
87) Benzo(b)fluoranthene	22.97	252	4118434	33.977 ng/ul	98
88) Benzo(k)fluoranthene	22.97	252	4118434	35.547 ng/ul	98
90) Benzo(a)pyrene	23.56	252	2830612	24.546 ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.98	276	1857557	13.638 ng/ul	96
92) Dibenzo(a,h)anthracene	25.98	278	522794	4.530 ng/ul#	82
93) Benzo(g,h,i)perylene	26.69	276	1419623	12.847 ng/ul	98

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QLast Update : Sat Jun 08 00:20:16 2019
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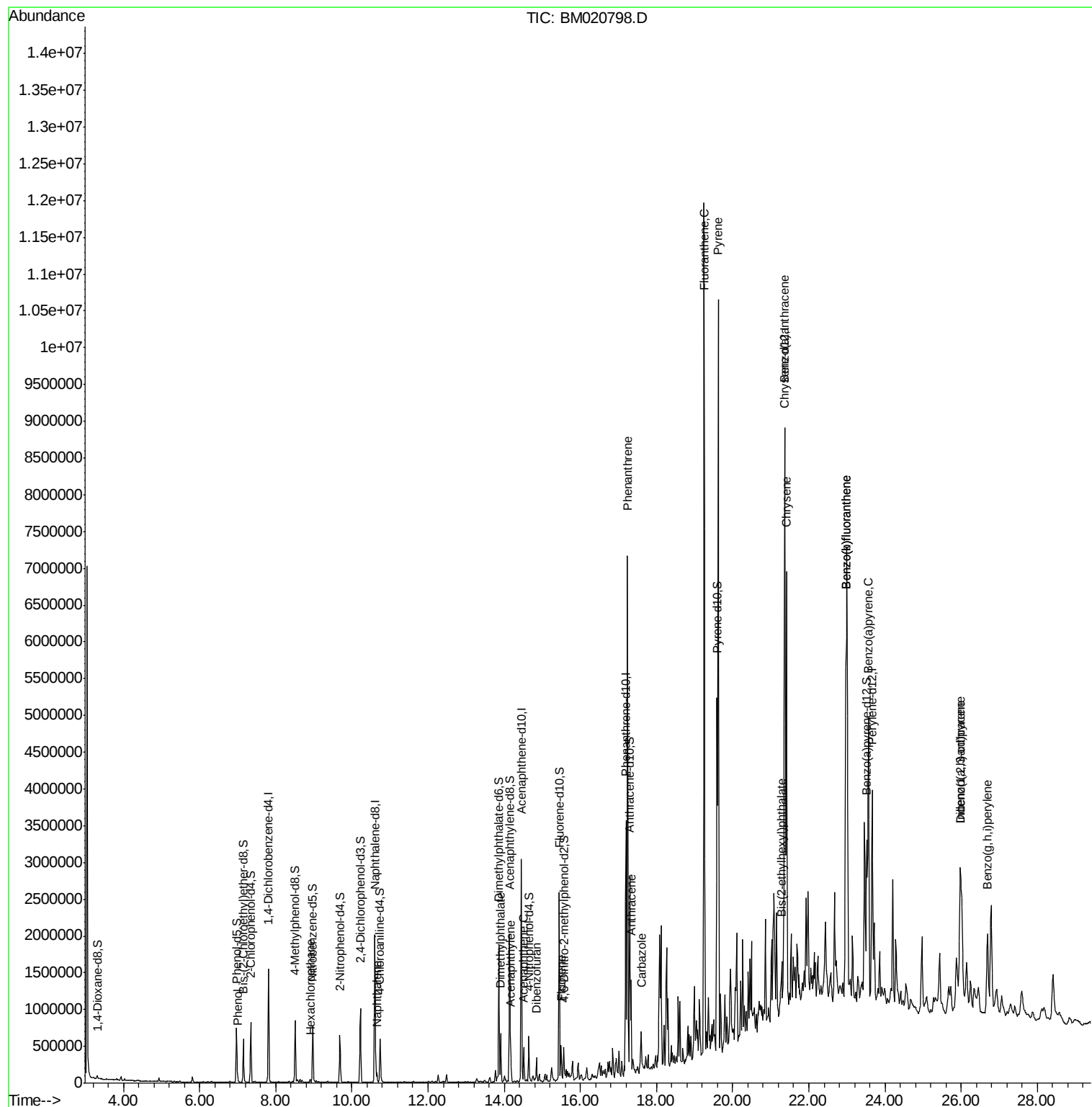
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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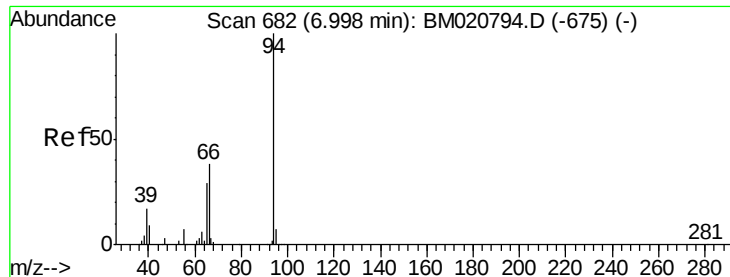
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 1.010 ng/ul

RT: 7.00 min Scan# 682

Delta R.T. 0.00 min

Lab File: BM020798.D

Acq: 07 Jun 2019 11:28

Instrument :

BNA_M

ClientSampleId :

C0AC5DL

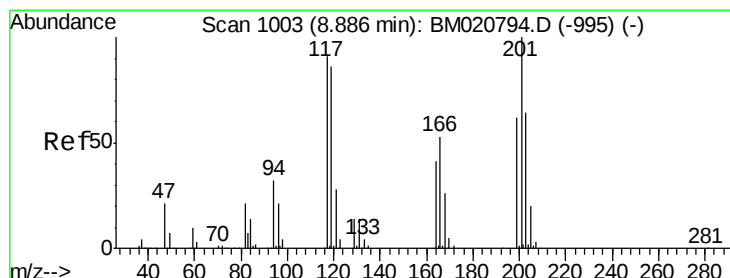
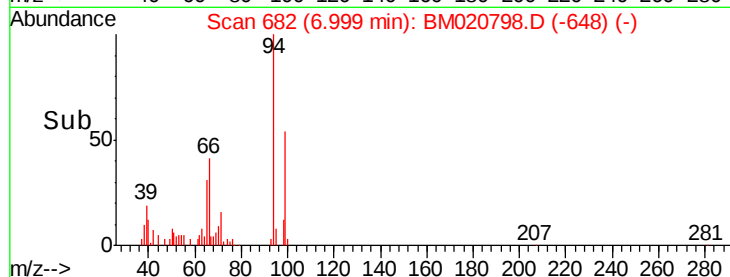
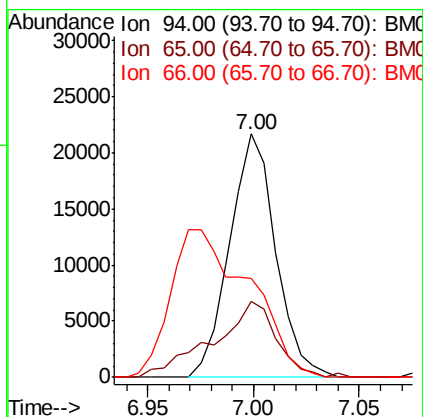
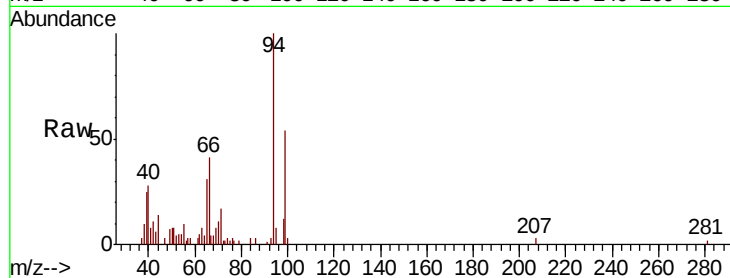
Tgt Ion: 94 Resp: 32761

Ion Ratio Lower Upper

94 100

65 31.4 23.3 34.9

66 40.7 32.1 48.1



#17

Hexachloroethane

Concen: 1.487 ng/ul

RT: 8.90 min Scan# 1006

Delta R.T. 0.02 min

Lab File: BM020798.D

Acq: 07 Jun 2019 11:28

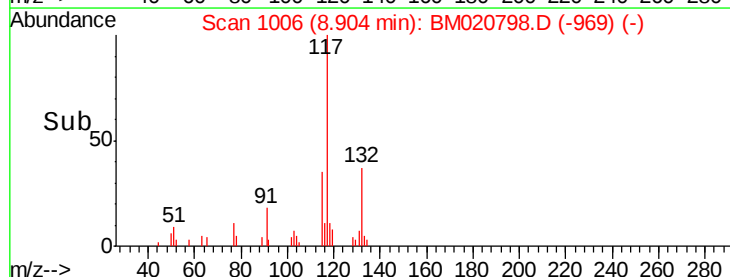
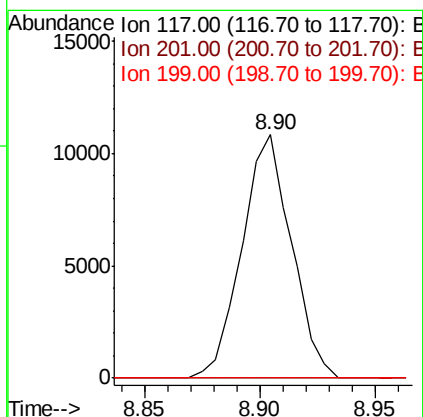
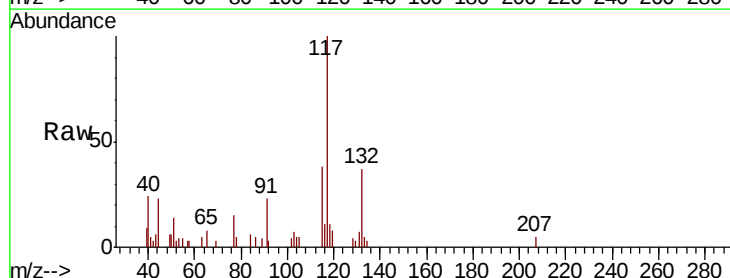
Tgt Ion: 117 Resp: 16148

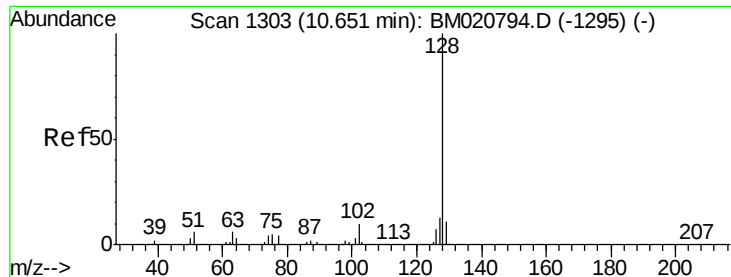
Ion Ratio Lower Upper

117 100

201 0.0 85.9 128.9#

199 0.0 53.5 80.3#





#28

Naphthalene

Concen: 1.400 ng/ul

RT: 10.65 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BM020798.D

Acq: 07 Jun 2019 11:28

Instrument :

BNA_M

ClientSampleId :

C0AC5DL

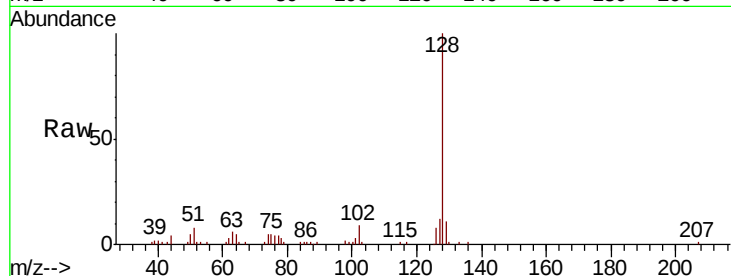
Tgt Ion:128 Resp: 112960

Ion Ratio Lower Upper

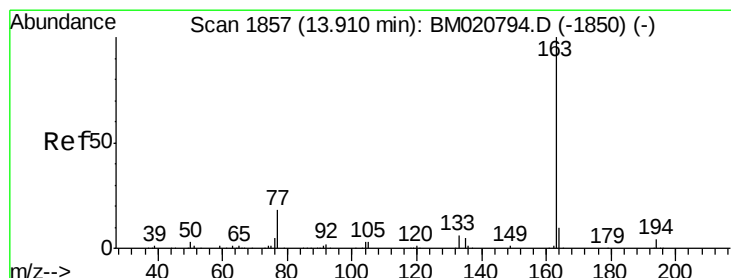
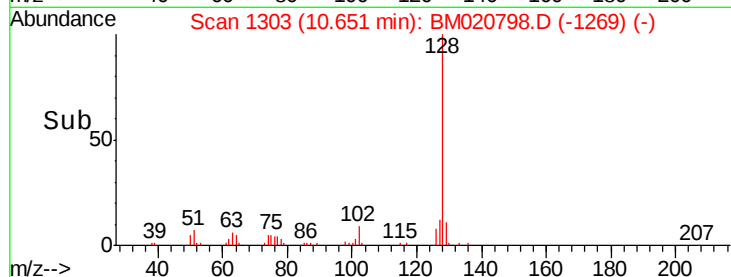
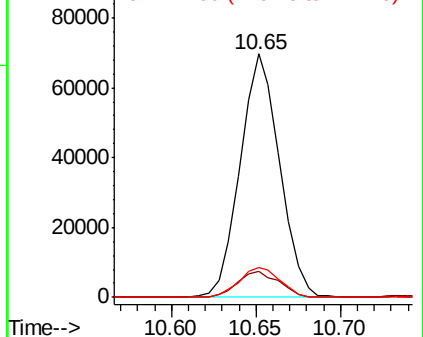
128 100

129 10.8 8.6 13.0

127 12.2 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: 5.601 ng/ul

RT: 13.90 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BM020798.D

Acq: 07 Jun 2019 11:28

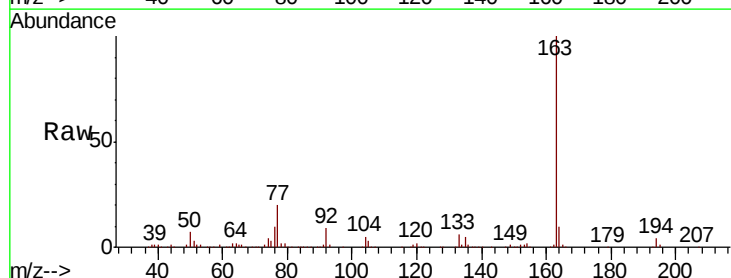
Tgt Ion:163 Resp: 410429

Ion Ratio Lower Upper

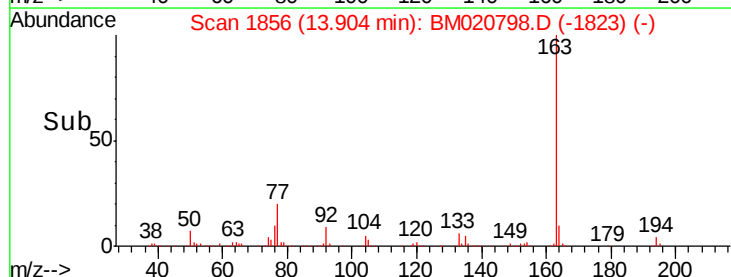
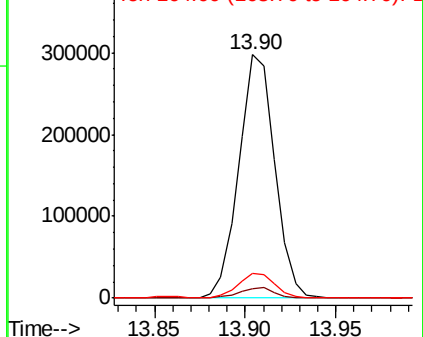
163 100

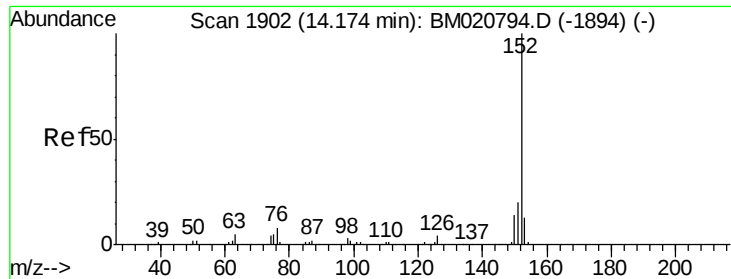
194 4.0 3.2 4.8

164 10.3 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

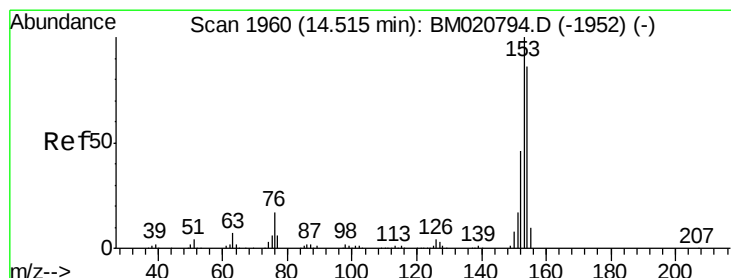
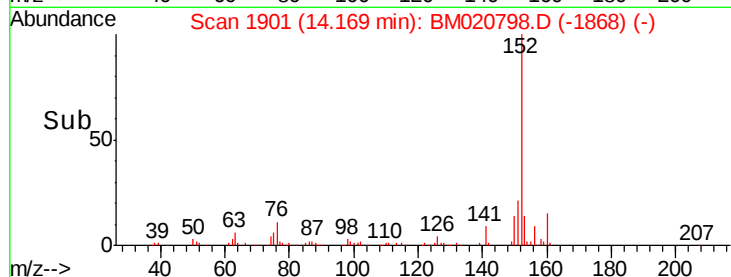
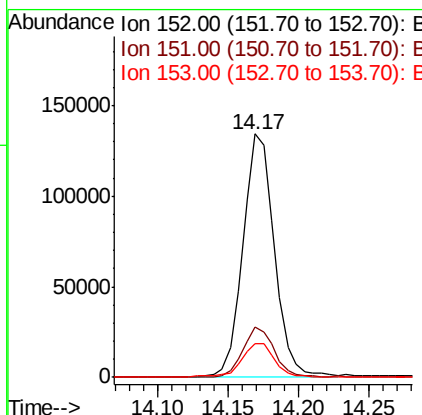
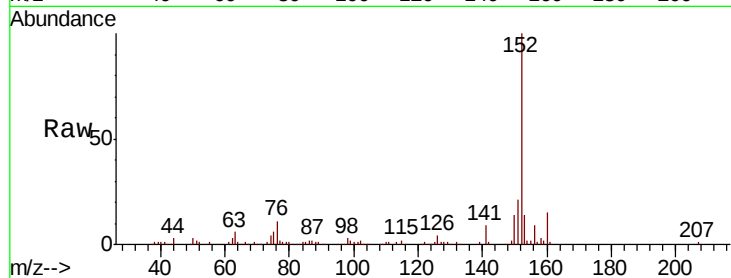




#47
Acenaphthylene
Concen: 2.342 ng/ul
RT: 14.17 min Scan# 1901
Delta R.T. -0.01 min
Lab File: BM020798.D
Acq: 07 Jun 2019 11:28

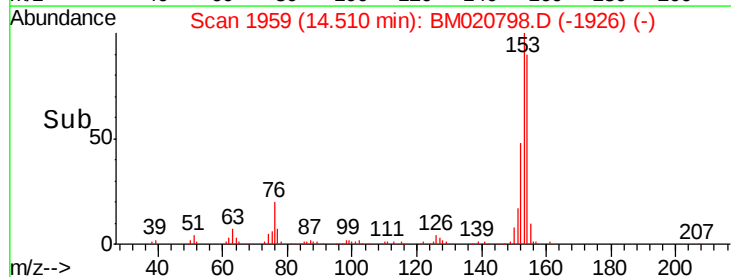
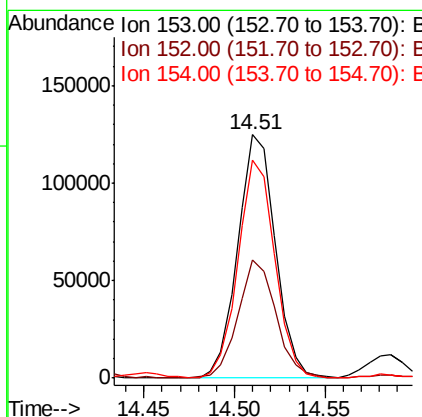
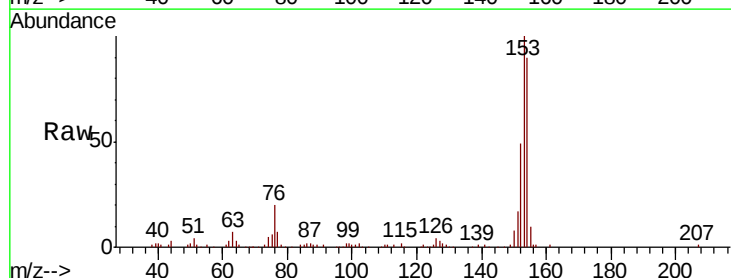
Instrument :
BNA_M
ClientSampleId :
C0AC5DL

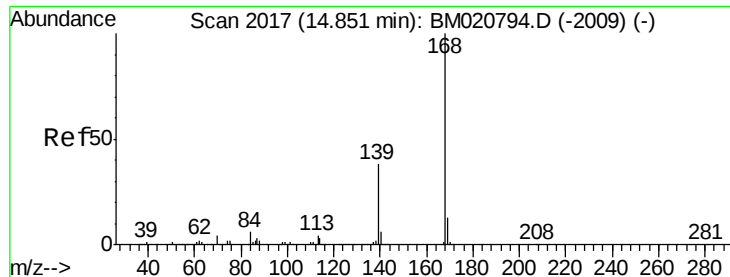
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.2	24.2
153	14.0	10.6	15.8



#49
Acenaphthene
Concen: 2.882 ng/ul
RT: 14.51 min Scan# 1959
Delta R.T. -0.01 min
Lab File: BM020798.D
Acq: 07 Jun 2019 11:28

Tgt Ion	Ratio	Lower	Upper
153	100		
152	48.6	37.3	55.9
154	89.6	68.7	103.1





#53

Dibenzenofuran

Concen: 1.682 ng/ul

RT: 14.85 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BM020798.D

Acq: 07 Jun 2019 11:28

Instrument :

BNA_M

ClientSampleId :

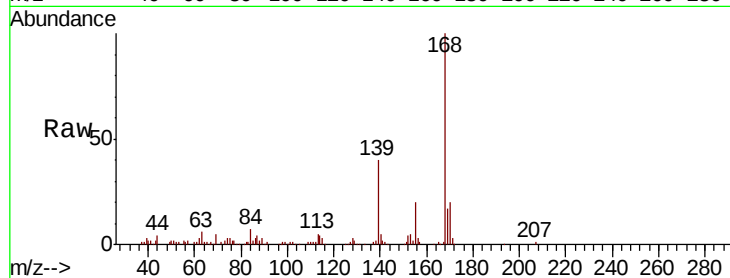
C0AC5DL

Tgt Ion:168 Resp: 149131

Ion Ratio Lower Upper

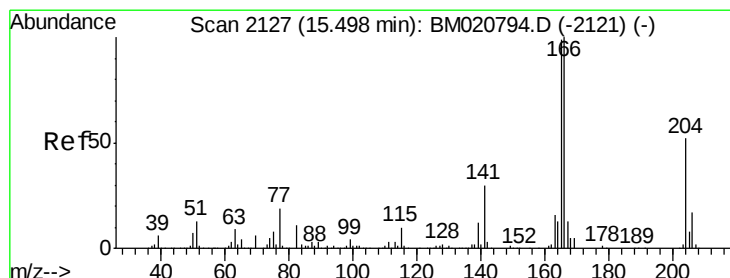
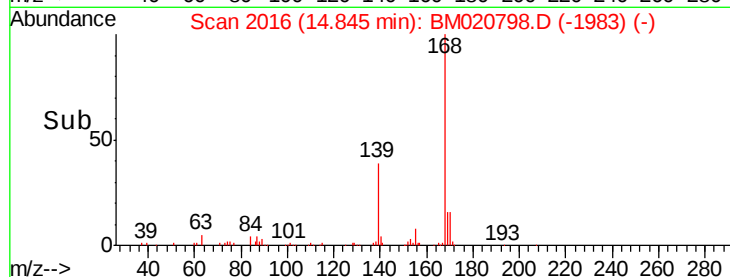
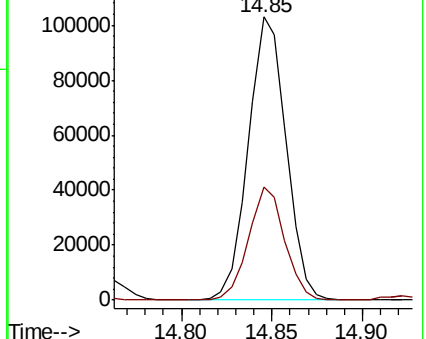
168 100

139 39.8 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: 2.769 ng/ul

RT: 15.50 min Scan# 2127

Delta R.T. 0.00 min

Lab File: BM020798.D

Acq: 07 Jun 2019 11:28

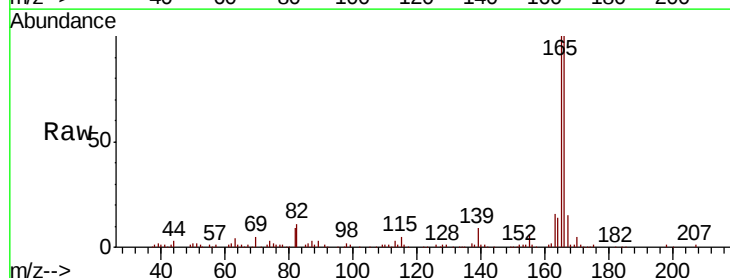
Tgt Ion:166 Resp: 197069

Ion Ratio Lower Upper

166 100

165 99.9 78.6 117.8

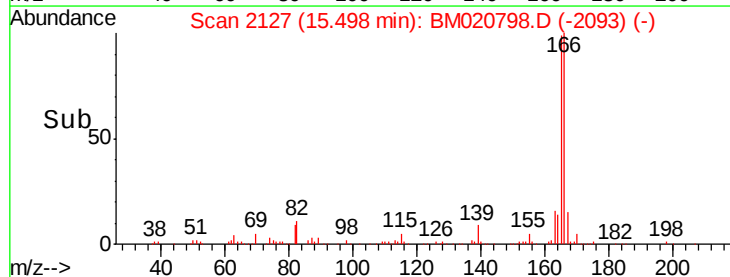
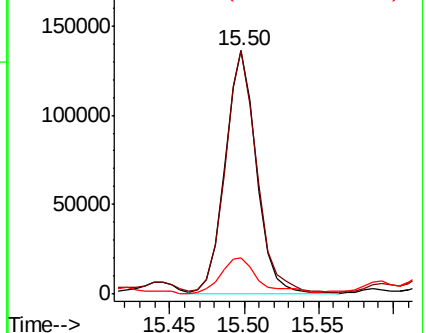
167 15.1 10.8 16.2

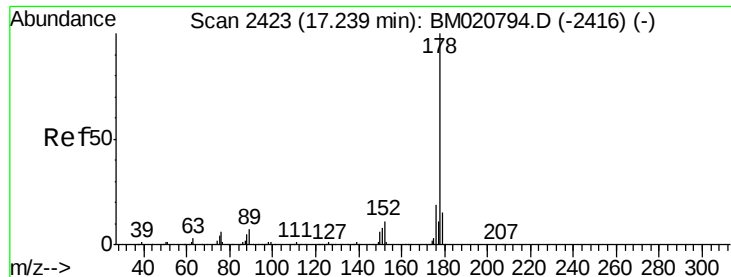


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 37.778 ng/ul

RT: 17.24 min Scan# 2423

Delta R.T. 0.00 min

Lab File: BM020798.D

Acq: 07 Jun 2019 11:28

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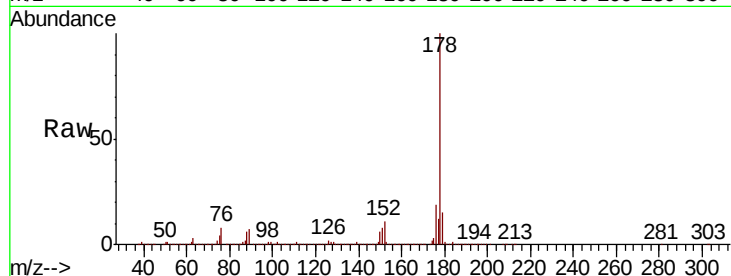
Tgt Ion:178 Resp: 4013371

Ion Ratio Lower Upper

178 100

179 15.5 12.3 18.5

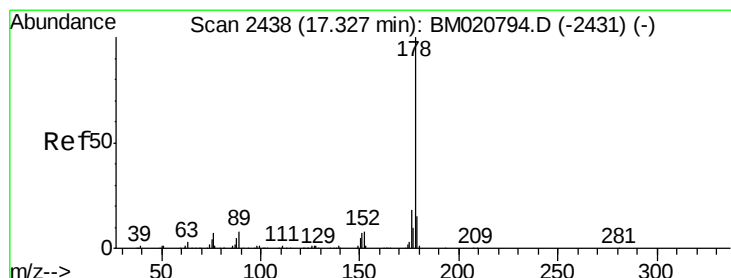
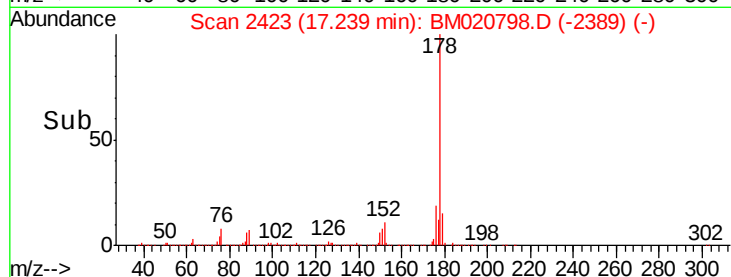
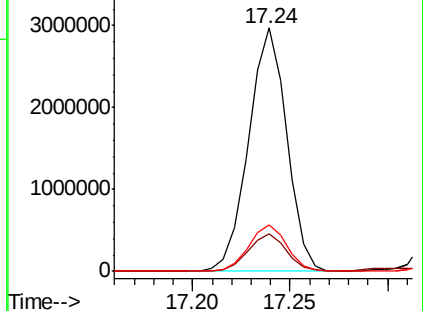
176 19.3 14.8 22.2



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: 7.179 ng/ul

RT: 17.33 min Scan# 2438

Delta R.T. 0.00 min

Lab File: BM020798.D

Acq: 07 Jun 2019 11:28

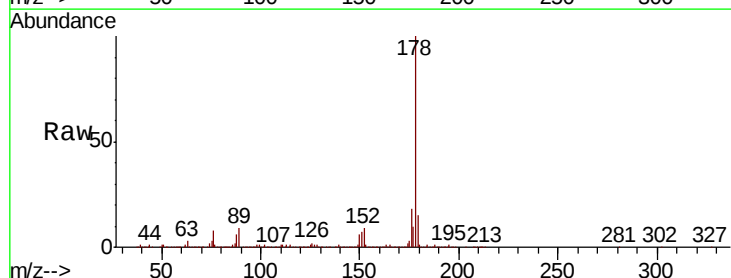
Tgt Ion:178 Resp: 781711

Ion Ratio Lower Upper

178 100

179 15.4 12.1 18.1

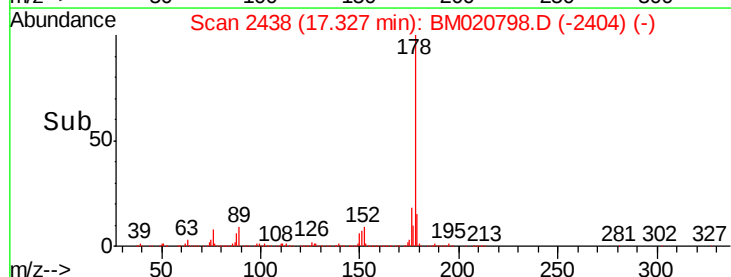
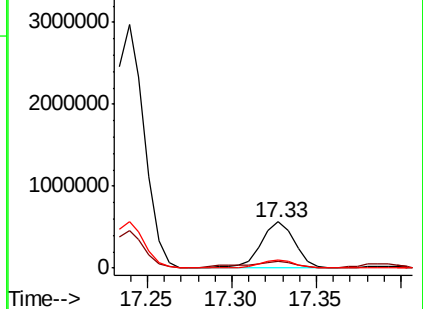
176 18.1 14.9 22.3

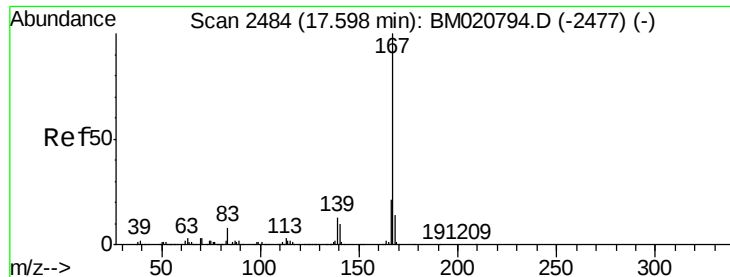


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Carbazole

Concen: 3.392 ng/ul

RT: 17.60 min Scan# 2484

Delta R.T. 0.00 min

Lab File: BM020798.D

Acq: 07 Jun 2019 11:28

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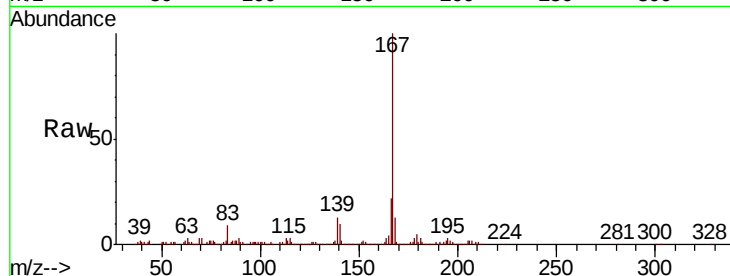
Tgt Ion:167 Resp: 321261

Ion Ratio Lower Upper

167 100

166 22.3 17.0 25.6

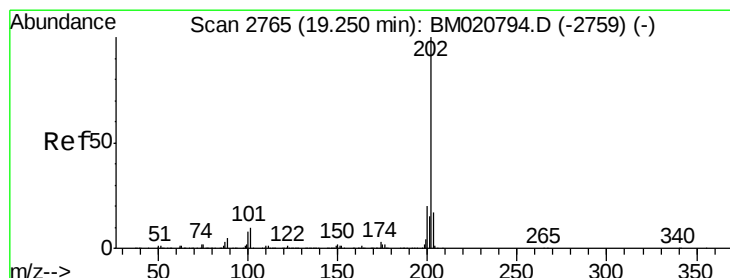
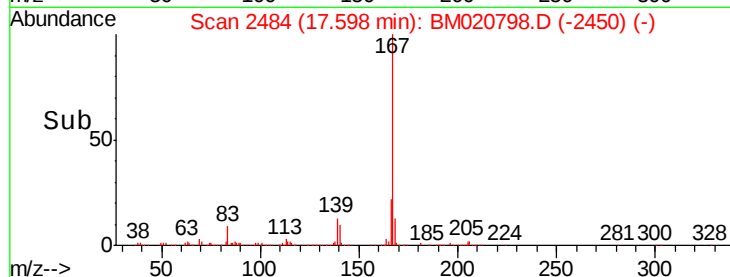
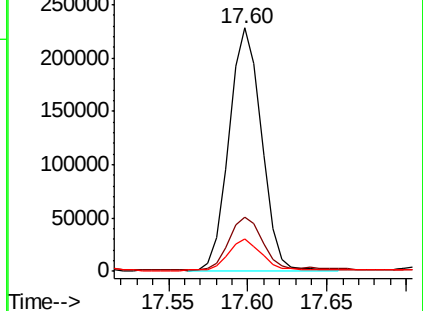
139 13.3 10.5 15.7



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: 57.852 ng/ul

RT: 19.26 min Scan# 2766

Delta R.T. 0.01 min

Lab File: BM020798.D

Acq: 07 Jun 2019 11:28

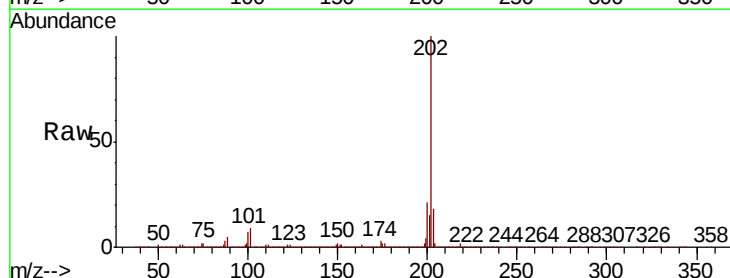
Tgt Ion:202 Resp: 7043108

Ion Ratio Lower Upper

202 100

101 9.5 7.9 11.9

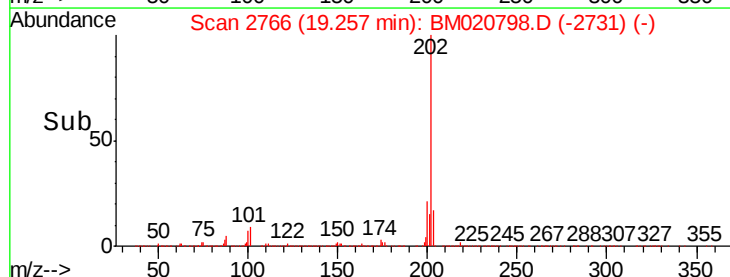
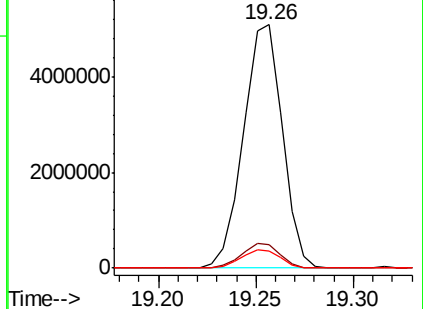
100 7.3 6.2 9.4

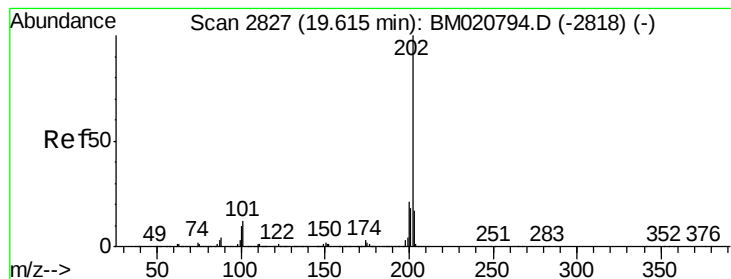


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#79

Pyrene

Concen: 54.948 ng/ul

RT: 19.62 min Scan# 2827

Delta R.T. 0.00 min

Lab File: BM020798.D

Acq: 07 Jun 2019 11:28

Instrument :

BNA_M

ClientSampleId :

C0AC5DL

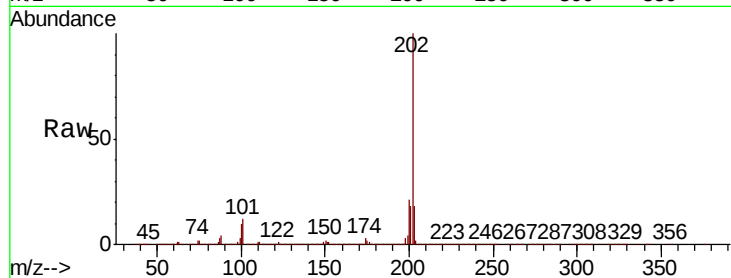
Tgt Ion:202 Resp: 6286029

Ion Ratio Lower Upper

202 100

101 11.6 9.8 14.6

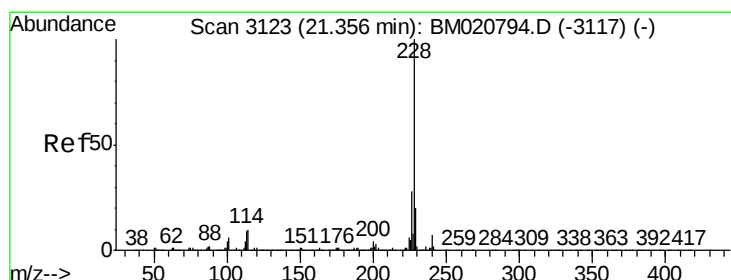
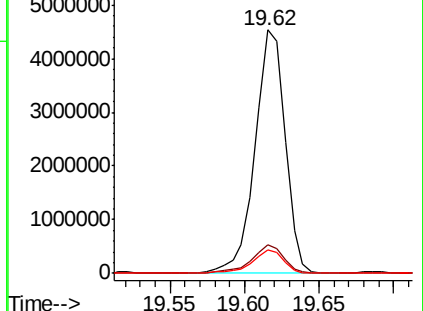
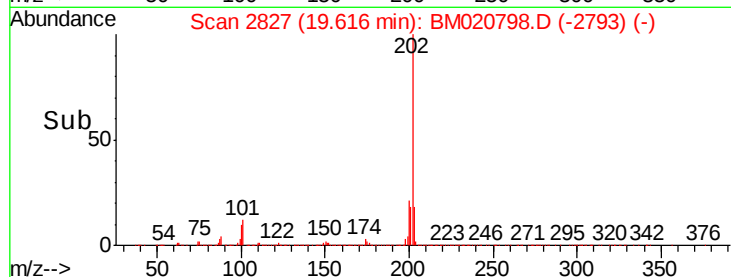
100 9.6 8.0 12.0



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: 29.112 ng/ul

RT: 21.36 min Scan# 3124

Delta R.T. 0.01 min

Lab File: BM020798.D

Acq: 07 Jun 2019 11:28

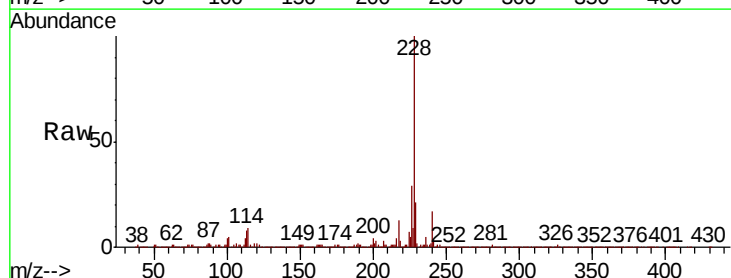
Tgt Ion:228 Resp: 3365577

Ion Ratio Lower Upper

228 100

229 20.7 15.6 23.4

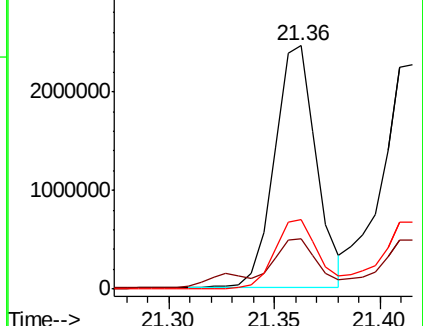
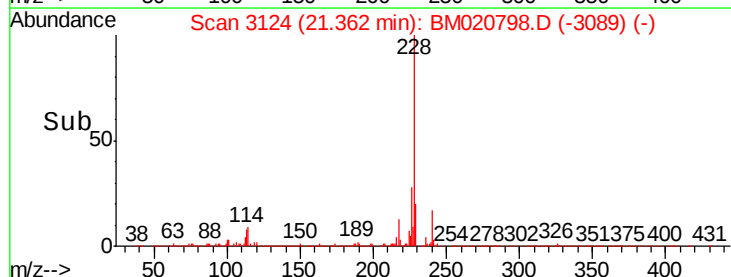
226 28.7 21.4 32.2

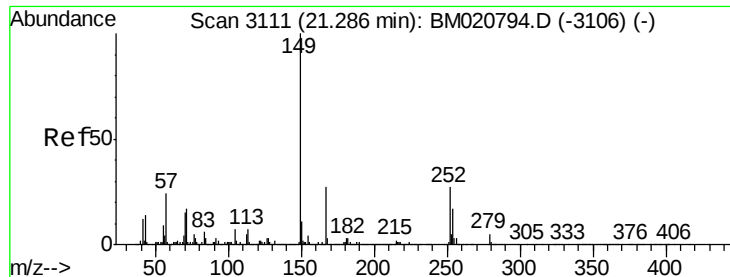


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.423 ng/ul

RT: 21.29 min Scan# 3111

Delta R.T. 0.00 min

Lab File: BM020798.D

Acq: 07 Jun 2019 11:28

Instrument :

BNA_M

ClientSampleId :

C0AC5DL

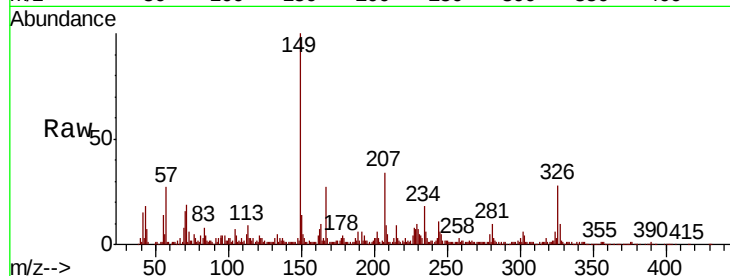
Tgt Ion:149 Resp: 190545

Ion Ratio Lower Upper

149 100

167 27.1 21.9 32.9

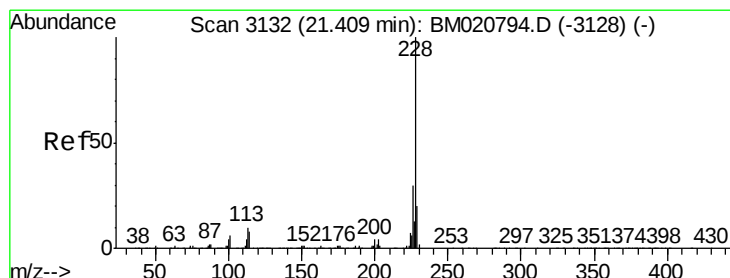
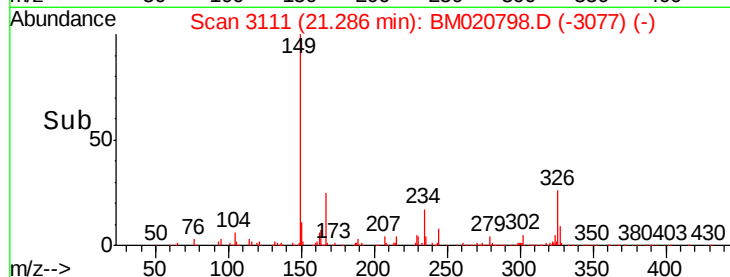
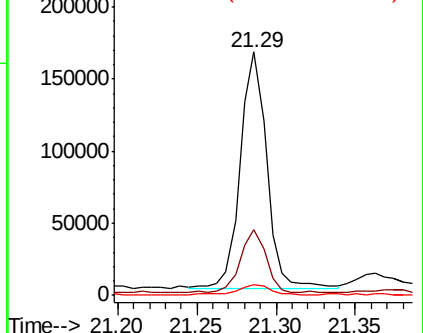
279 4.5 4.1 6.1



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: 30.474 ng/ul

RT: 21.42 min Scan# 3133

Delta R.T. 0.01 min

Lab File: BM020798.D

Acq: 07 Jun 2019 11:28

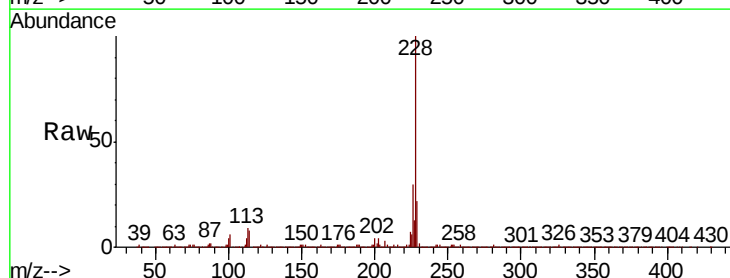
Tgt Ion:228 Resp: 3269120

Ion Ratio Lower Upper

228 100

226 30.1 24.4 36.6

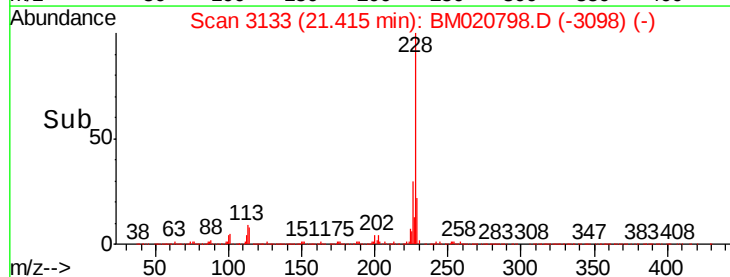
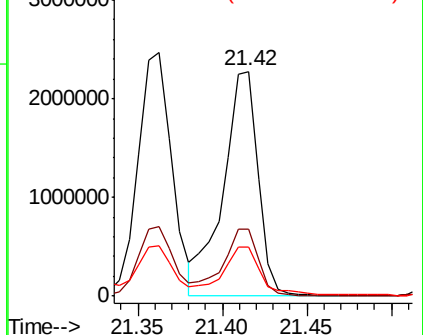
229 22.1 16.2 24.2

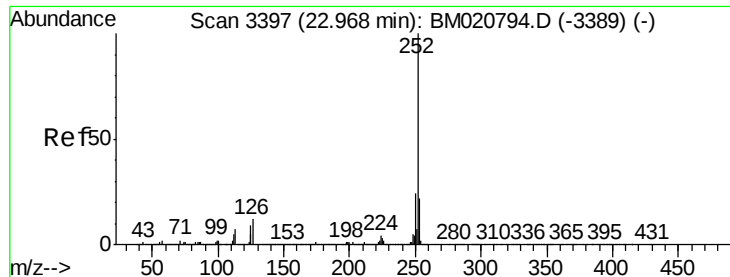


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Benzo(b)fluoranthene

Concen: 33.977 ng/ul

RT: 22.97 min Scan# 3398

Delta R.T. 0.01 min

Lab File: BM020798.D

Acq: 07 Jun 2019 11:28

Instrument :

BNA_M

ClientSampleId :

C0AC5DL

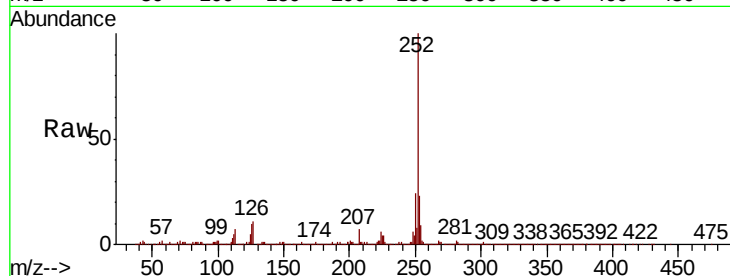
Tgt Ion:252 Resp: 4118434

Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

125 9.6 7.3 10.9

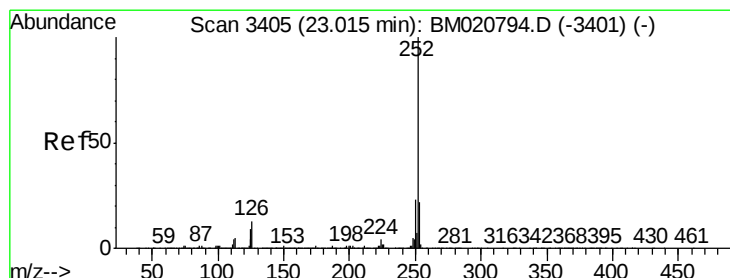
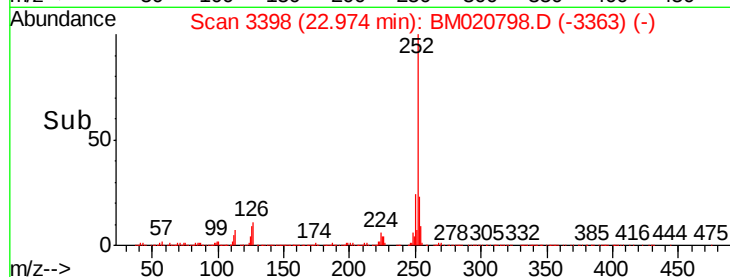
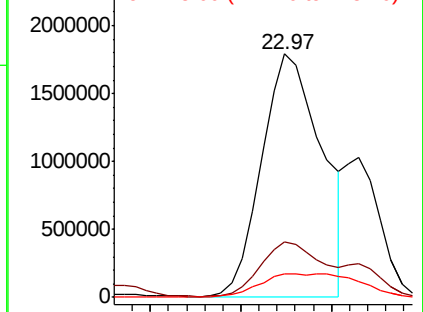


Abundance

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: 35.547 ng/ul

RT: 22.97 min Scan# 3398

Delta R.T. -0.04 min

Lab File: BM020798.D

Acq: 07 Jun 2019 11:28

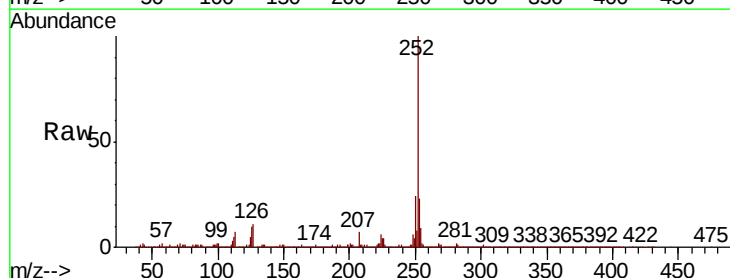
Tgt Ion:252 Resp: 4118434

Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

125 9.6 7.3 10.9

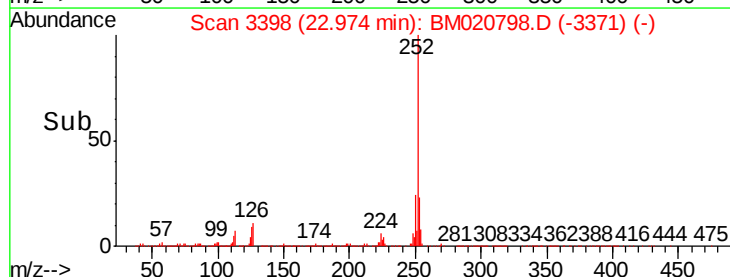
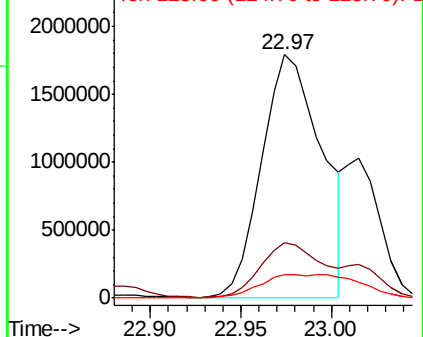


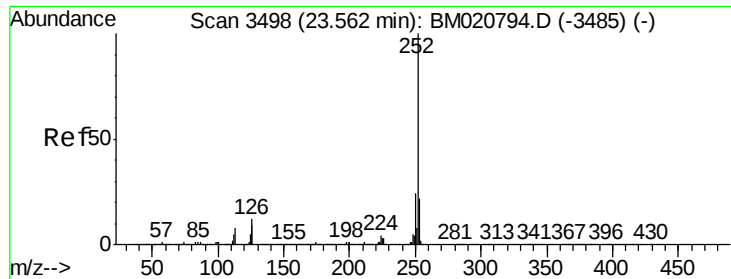
Abundance

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: 24.546 ng/ul

RT: 23.56 min Scan# 3498

Delta R.T. 0.00 min

Lab File: BM020798.D

Acq: 07 Jun 2019 11:28

Instrument :

BNA_M

ClientSampleId :

C0AC5DL

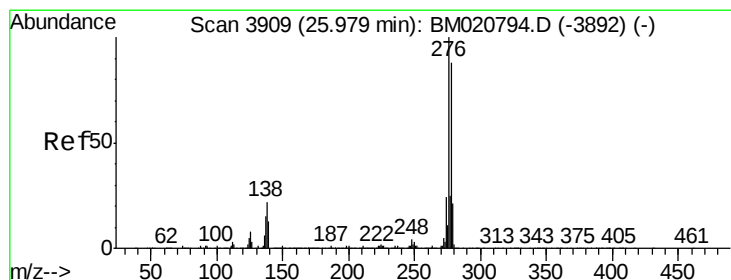
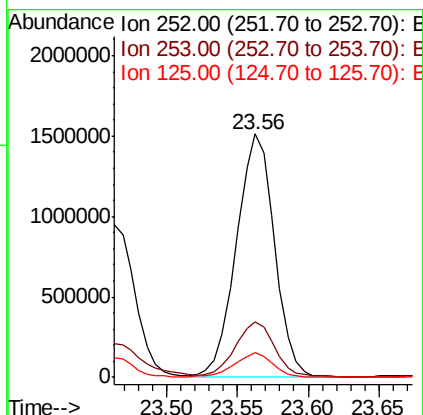
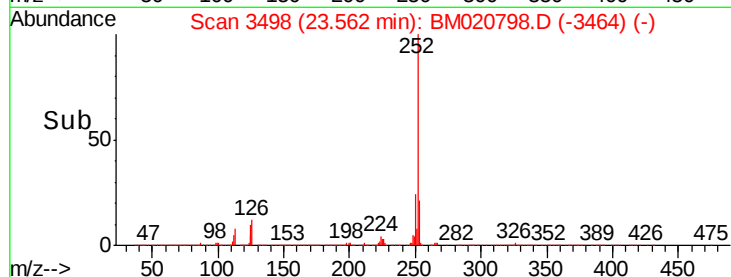
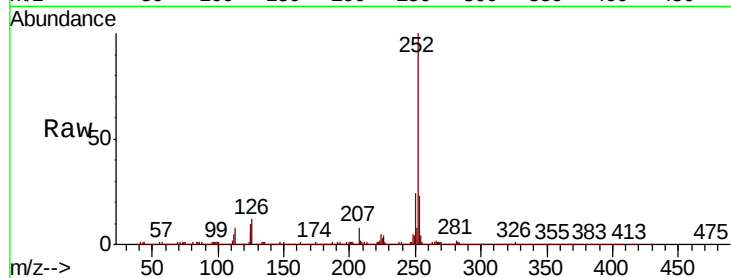
Tgt Ion:252 Resp: 2830612

Ion Ratio Lower Upper

252 100

253 22.8 17.0 25.6

125 10.1 8.2 12.4



#91

Indeno(1,2,3-cd)pyrene

Concen: 13.638 ng/ul

RT: 25.98 min Scan# 3909

Delta R.T. 0.00 min

Lab File: BM020798.D

Acq: 07 Jun 2019 11:28

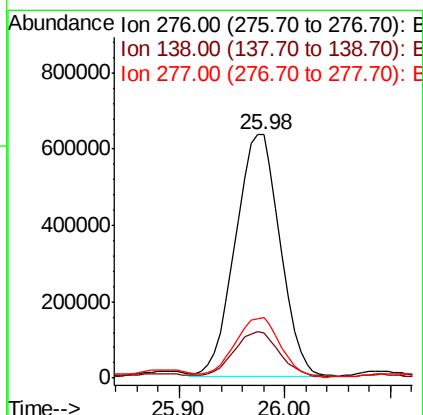
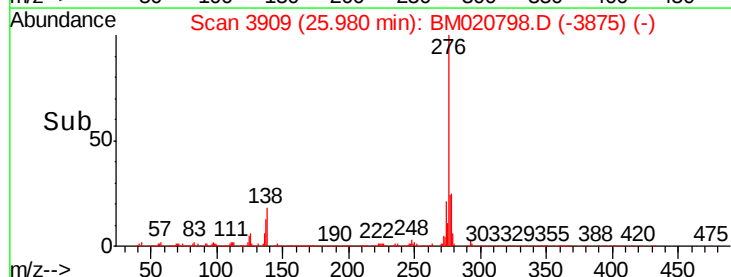
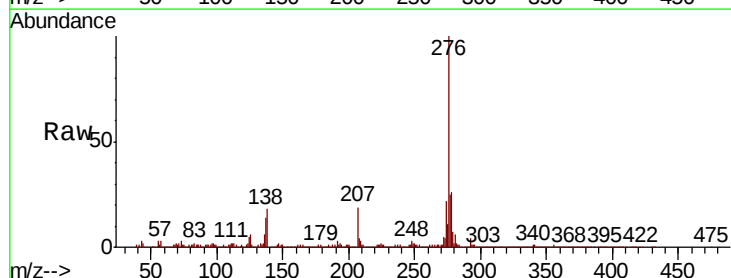
Tgt Ion:276 Resp: 1857557

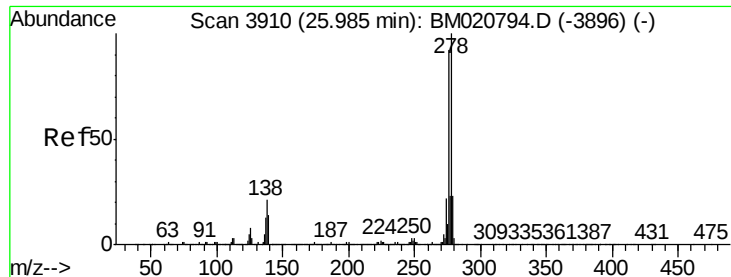
Ion Ratio Lower Upper

276 100

138 18.4 17.8 26.8

277 25.0 20.0 30.0





#92

Dibenzo(a,h)anthracene

Concen: 4.530 ng/ul

RT: 25.98 min Scan# 3909

Delta R.T. -0.01 min

Lab File: BM020798.D

Acq: 07 Jun 2019 11:28

Instrument :

BNA_M

ClientSampleId :

C0AC5DL

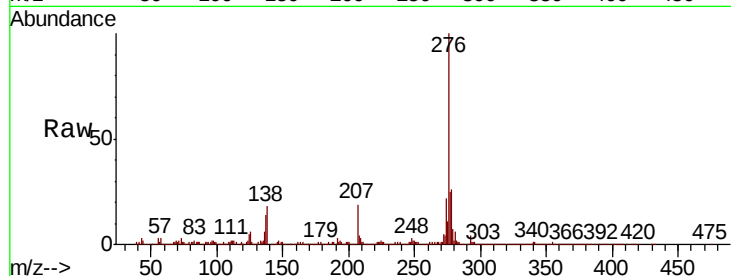
Tgt Ion: 278 Resp: 522794

Ion Ratio Lower Upper

278 100

139 0.0 11.6 17.4#

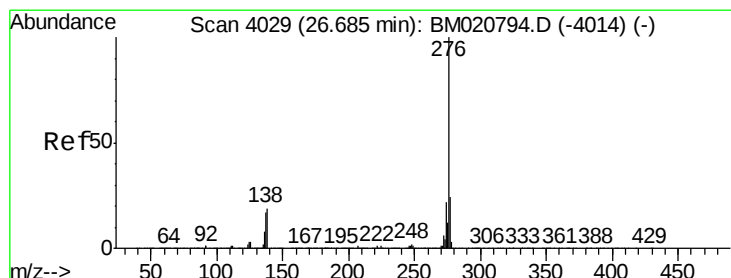
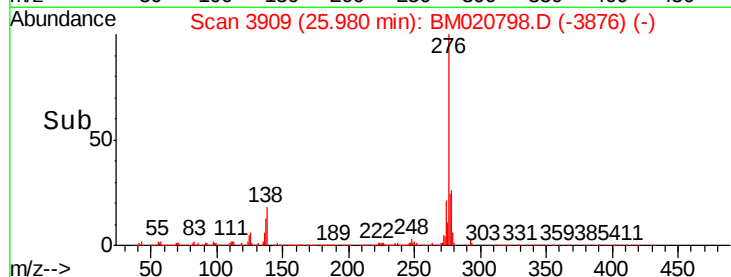
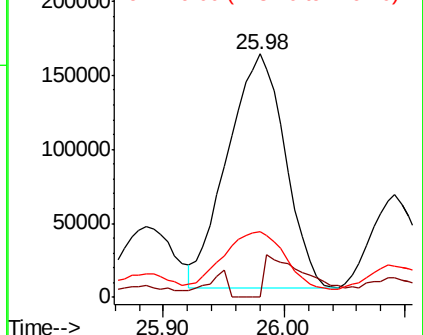
279 26.9 18.6 28.0



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: 12.847 ng/ul

RT: 26.69 min Scan# 4030

Delta R.T. 0.01 min

Lab File: BM020798.D

Acq: 07 Jun 2019 11:28

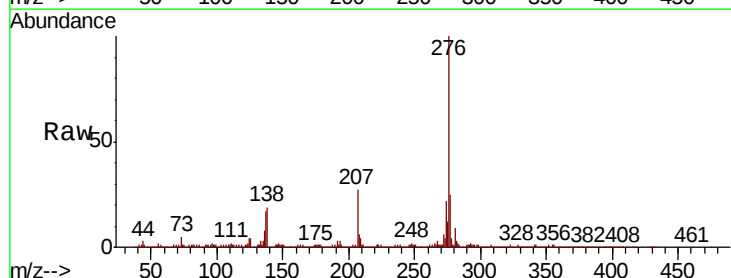
Tgt Ion: 276 Resp: 1419623

Ion Ratio Lower Upper

276 100

138 18.8 16.6 25.0

277 24.6 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

