

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
 Data File : BM020785.D
 Acq On : 07 Jun 2019 04:14
 Operator : HP/JU
 Sample : K3201-19
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jun 07 06:39:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 07 06:35:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	337874	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	1374422	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	788806	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.20	188	1705400	20.00	ng/ul	0.00
77) Chrysene-d12	21.37	240	1590152	20.00	ng/ul	0.00
85) Perylene-d12	23.66	264	1822653	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.30	96	33841	4.78	ng/uL	0.00
5) Phenol-d5	6.97	99	614956	23.79	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	403464	26.03	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	550705	26.74	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	478669	23.01	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	270761	28.86	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	296835	30.74	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	562967	27.95	ng/ul	0.00
29) 4-Chloroaniline-d4	10.74	131	589167	24.29	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	1740220	29.82	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	2136903	28.88	ng/ul	0.00
51) 4-Nitrophenol-d4	14.64	143	174695	17.45	ng/ul	0.00
57) Fluorene-d10	15.44	176	1464571	29.54	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	148992	17.08	ng/ul	0.00
70) Anthracene-d10	17.29	188	2188008	29.37	ng/ul	0.00
78) Pyrene-d10	19.59	212	2235340	29.08	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.51	264	2306152	27.84	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	7.00	94	32275	1.213 ng/ul	95
28) Naphthalene	10.65	128	298231	4.620 ng/ul	99
30) 4-Chloroaniline	10.65	127	37726	1.521 ng/ul#	16
34) 2-Methylnaphthalene	12.26	142	120602	2.544 ng/ul	98
44) Dimethylphthalate	13.91	163	560063	9.586 ng/ul	98
47) Acenaphthylene	14.17	152	187386	2.618 ng/ul	98
49) Acenaphthene	14.51	153	294388	5.892 ng/ul	98
53) Dibenzofuran	14.85	168	309473	4.379 ng/ul	100
58) Fluorene	15.50	166	323417	5.700 ng/ul	97
69) Phenanthrene	17.24	178	5114403	59.588 ng/ul	99
71) Anthracene	17.33	178	1046820	11.899 ng/ul	99
74) Carbazole	17.60	167	407580	5.327 ng/ul	98
76) Fluoranthene	19.25	202	6568024	66.777 ng/ul	99
79) Pyrene	19.62	202	5941718	60.533 ng/ul	99
82) Benzo(a)anthracene	21.36	228	3226364	32.525 ng/ul	97
84) Chrysene	21.41	228	3169968	34.440 ng/ul	98
87) Benzo(b)fluoranthene	22.97	252	3609679	34.044 ng/ul	98
88) Benzo(k)fluoranthene	22.97	252	3609679	35.618 ng/ul	98
90) Benzo(a)pyrene	23.56	252	2608336	25.858 ng/ul	97
91) Indeno(1,2,3-cd)pyrene	25.97	276	1647807	13.831 ng/ul	96
92) Dibenzo(a,h)anthracene	25.97	278	475815	4.713 ng/ul#	89
93) Benzo(a,h,i)perylene	26.68	276	1231603	12.742 ng/ul	98

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 07 06:35:27 2019
Response via : Initial Calibration

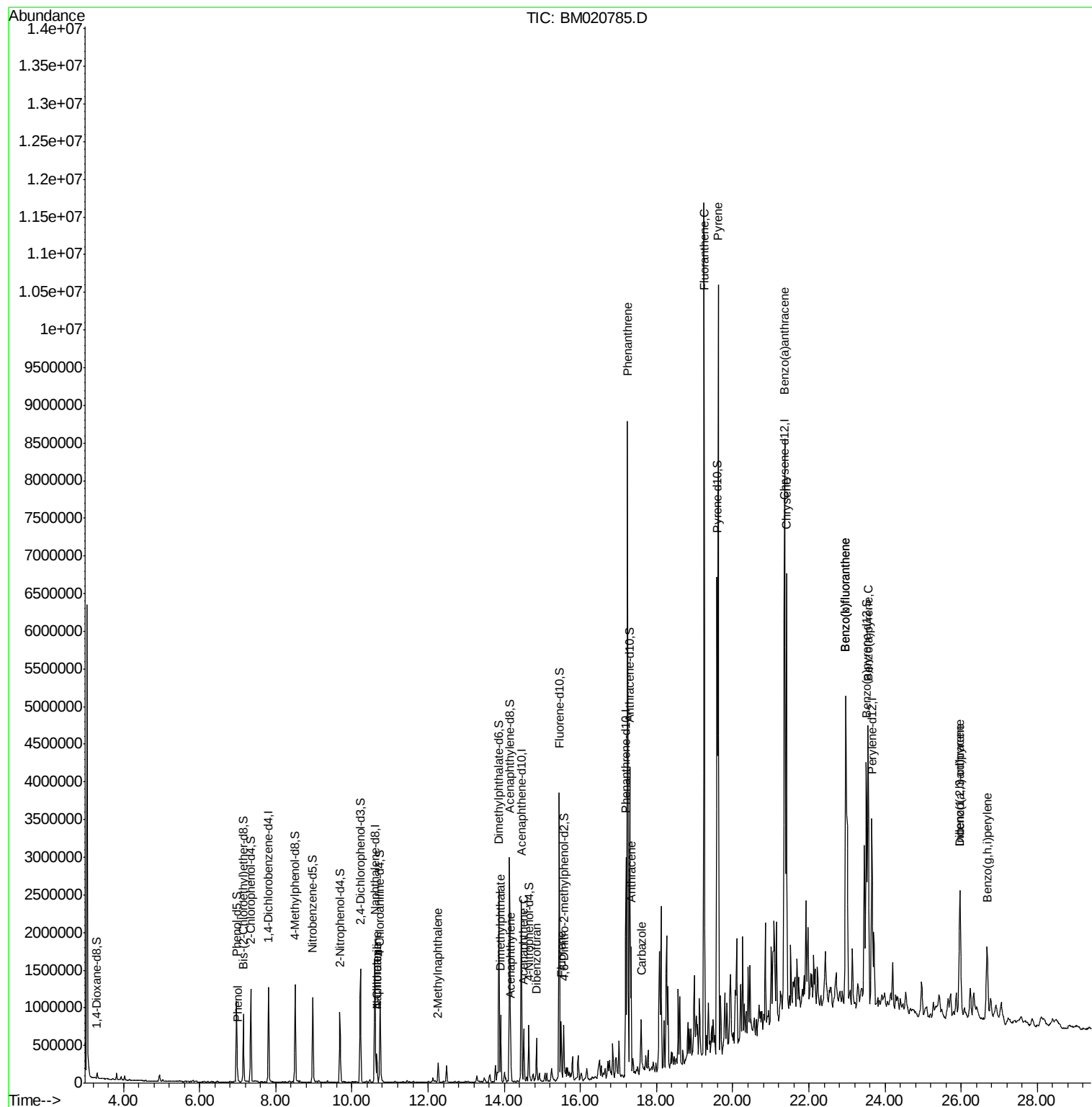
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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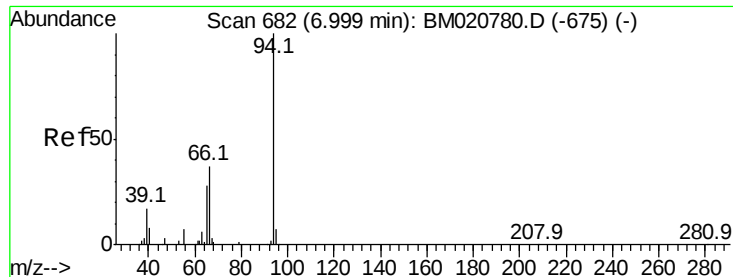
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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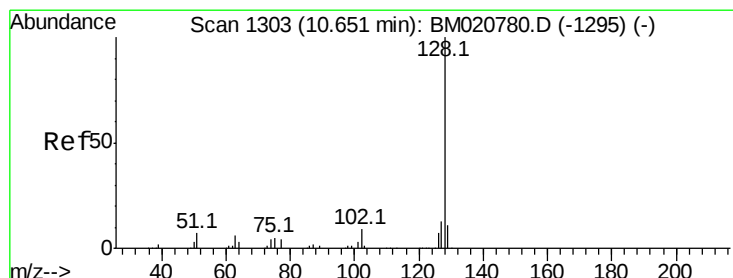
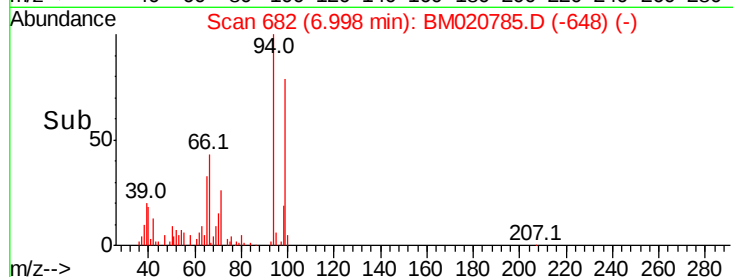
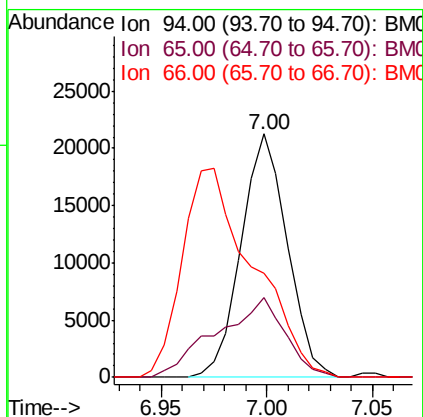
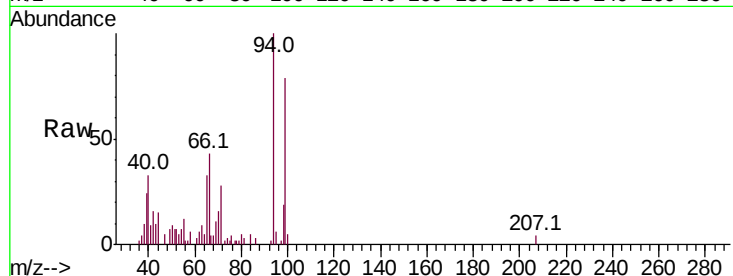
#6

Phenol

Concen: 1.213 ng/ul
 RT: 7.00 min Scan# 682
 Delta R.T. -0.00 min
 Lab File: BM020785.D
 Acq: 07 Jun 2019 04:14

Instrument :
 BNA_M
 ClientSampled :

Tot Ion: 94 Resp: 32275
 Ion Ratio Lower Upper
 94 100
 65 32.7 23.3 34.9
 66 42.6 32.1 48.1

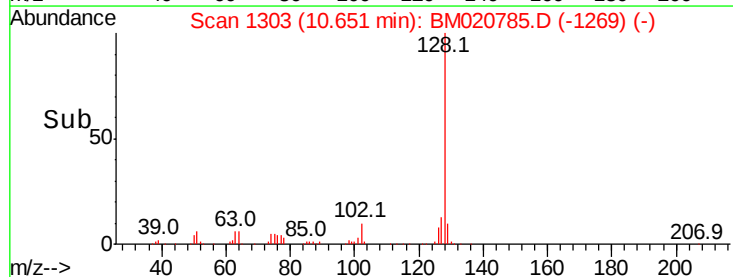
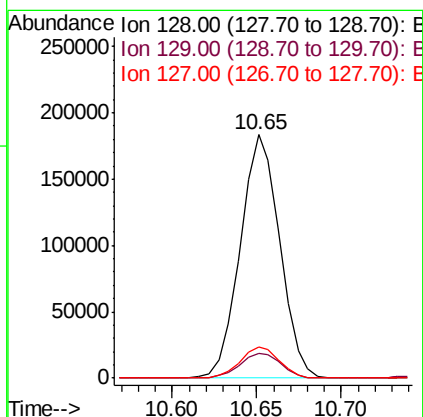
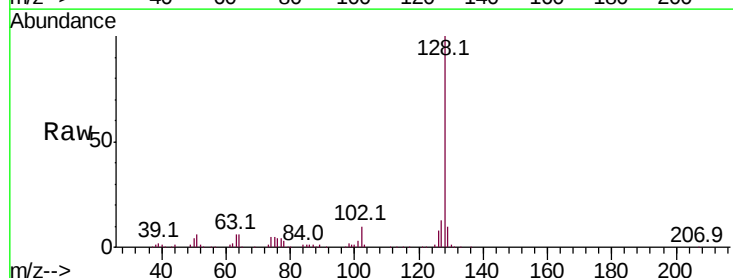


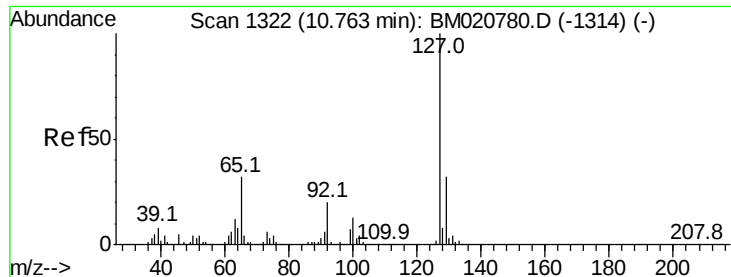
#28

Naphthalene

Concen: 4.620 ng/ul
 RT: 10.65 min Scan# 1303
 Delta R.T. -0.00 min
 Lab File: BM020785.D
 Acq: 07 Jun 2019 04:14

Tgt Ion: 128 Resp: 298231
 Ion Ratio Lower Upper
 128 100
 129 10.3 8.6 13.0
 127 12.6 10.2 15.2

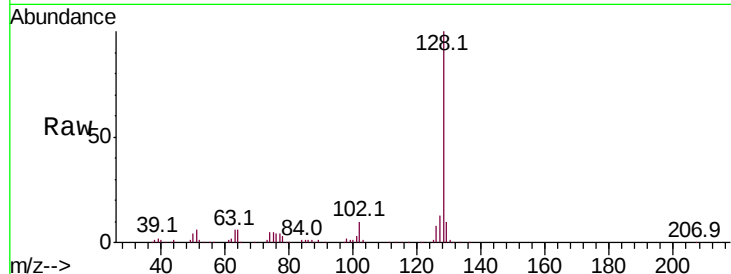




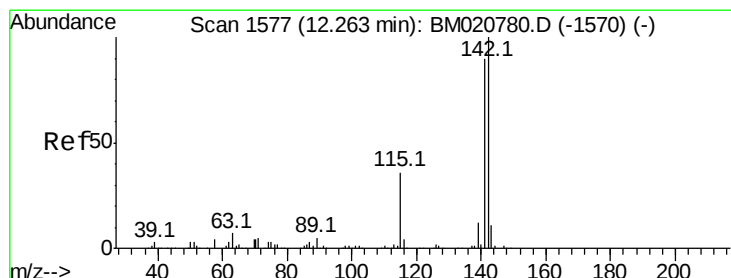
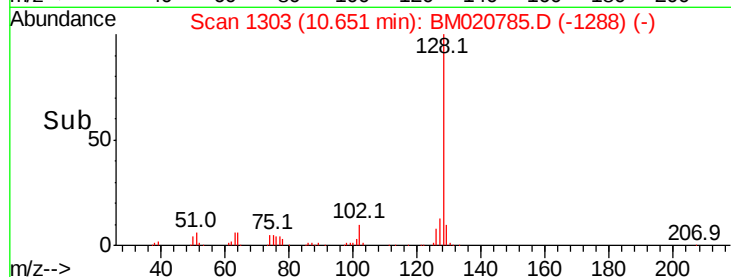
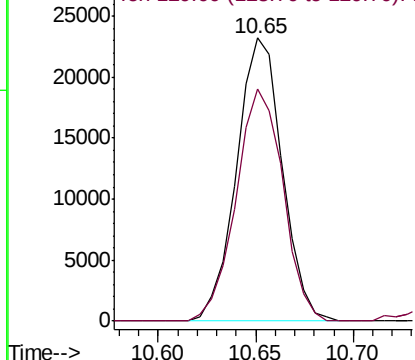
#30
4-Chloroaniline
Concen: 1.521 ng/ul
RT: 10.65 min Scan# 1303
Delta R.T. -0.11 min
Lab File: BM020785.D
Acq: 07 Jun 2019 04:14

Instrument :
BNA_M
ClientSampleId :

Tot Ion:127 Resp: 37726
Ion Ratio Lower Upper
127 100
129 81.9 27.0 40.4#

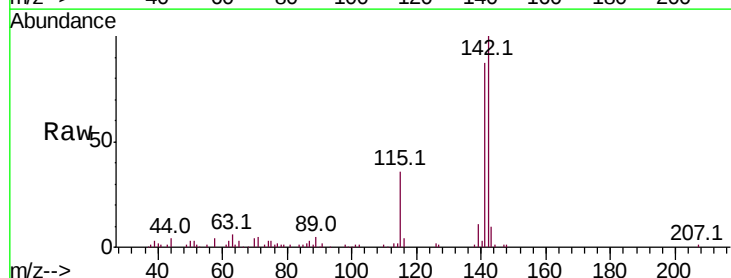


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E

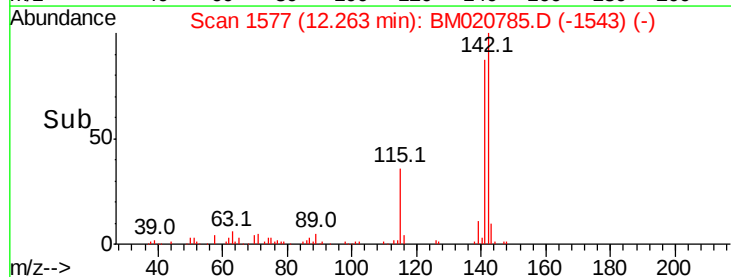
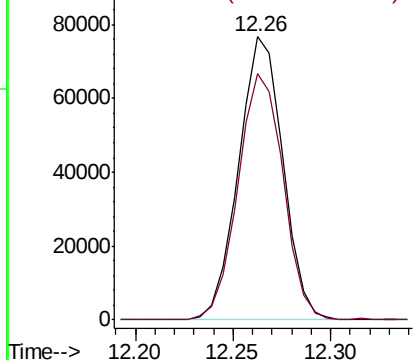


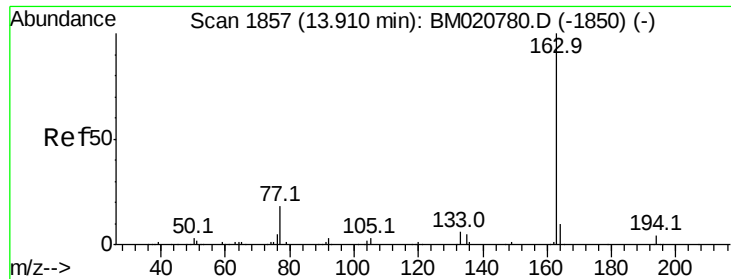
#34
2-Methylnaphthalene
Concen: 2.544 ng/ul
RT: 12.26 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BM020785.D
Acq: 07 Jun 2019 04:14

Tgt Ion:142 Resp: 120602
Ion Ratio Lower Upper
142 100
141 87.0 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: 9.586 ng/ul

RT: 13.91 min Scan# 1857

Delta R.T. -0.00 min

Lab File: BM020785.D

Acq: 07 Jun 2019 04:14

Instrument :

BNA_M

ClientSampled :

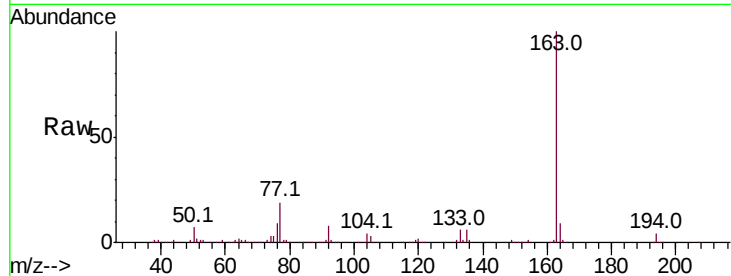
Tot Ion:163 Resp: 560063

Ion Ratio Lower Upper

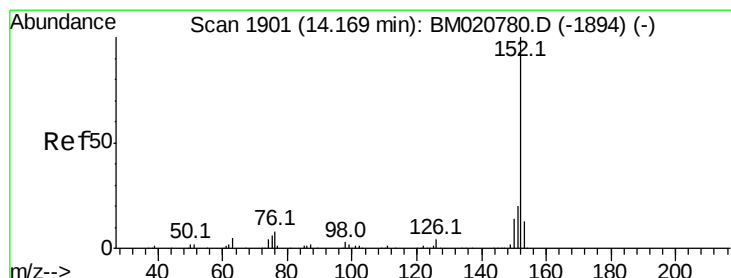
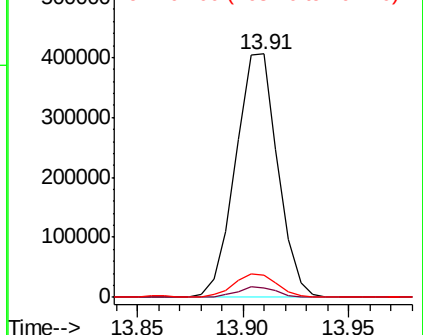
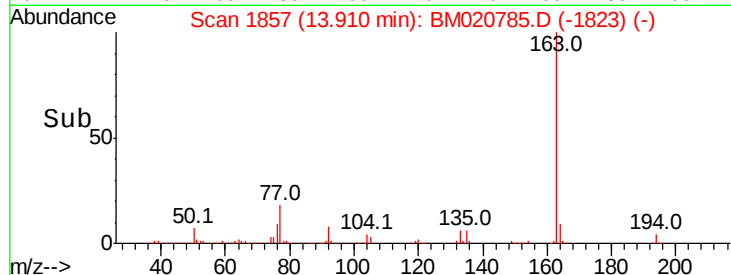
163 100

194 4.1 3.2 4.8

164 9.2 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: 2.618 ng/ul

RT: 14.17 min Scan# 1901

Delta R.T. -0.00 min

Lab File: BM020785.D

Acq: 07 Jun 2019 04:14

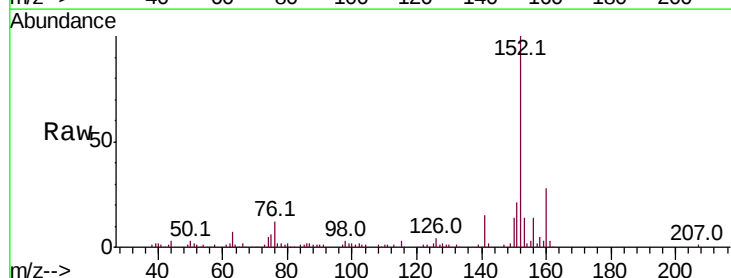
Tgt Ion:152 Resp: 187386

Ion Ratio Lower Upper

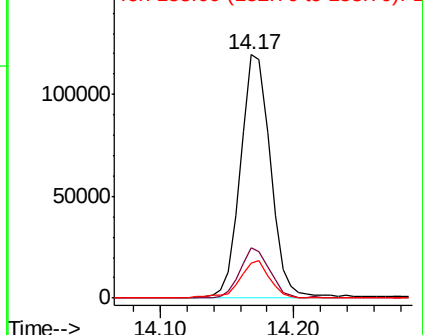
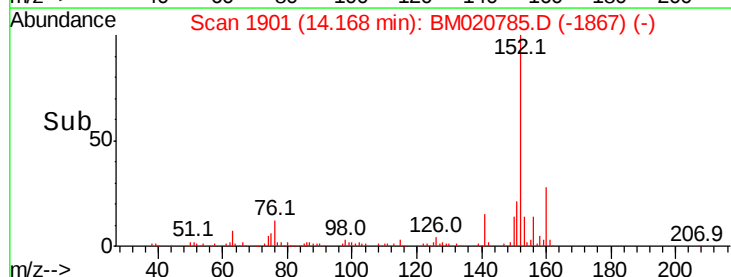
152 100

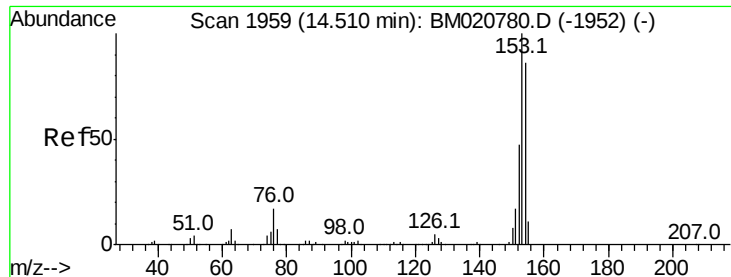
151 20.6 16.2 24.2

153 14.4 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: 5.892 ng/ul

RT: 14.51 min Scan# 1959

Delta R.T. -0.00 min

Lab File: BM020785.D

Acq: 07 Jun 2019 04:14

Instrument :

BNA_M

ClientSampleId :

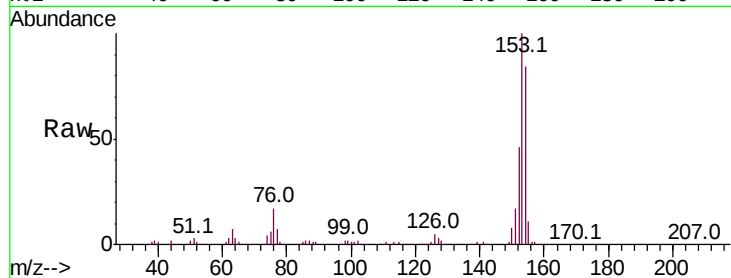
Tot Ion:153 Resp: 294388

Ion Ratio Lower Upper

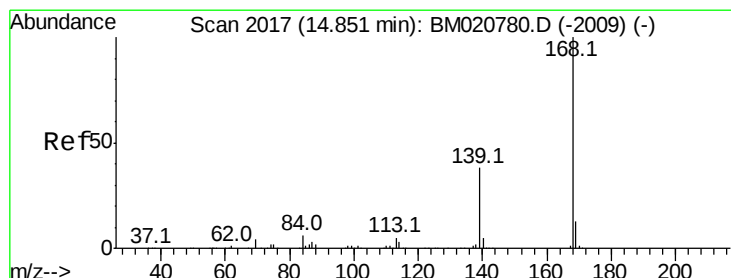
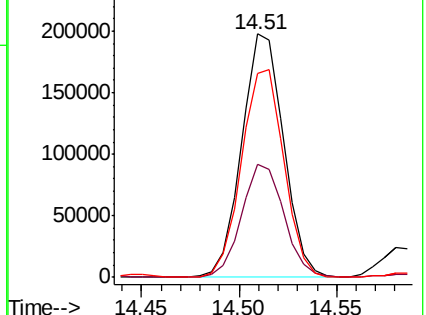
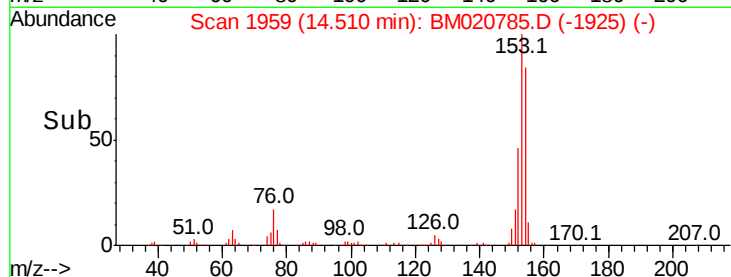
153 100

152 46.4 37.3 55.9

154 83.9 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: 4.379 ng/ul

RT: 14.85 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BM020785.D

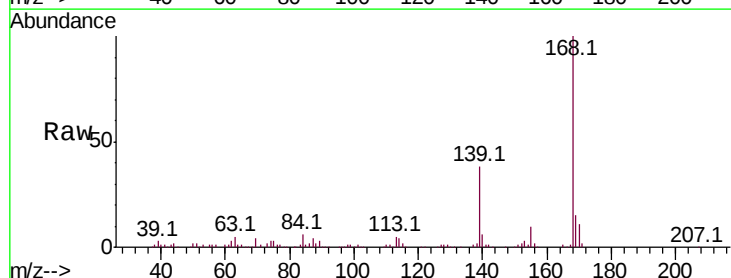
Acq: 07 Jun 2019 04:14

Tgt Ion:168 Resp: 309473

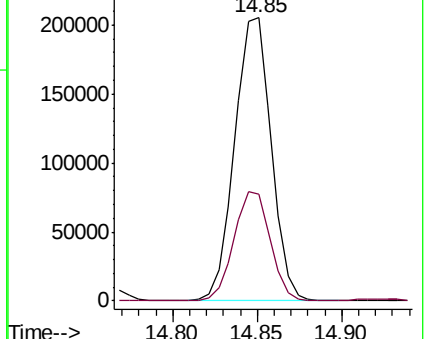
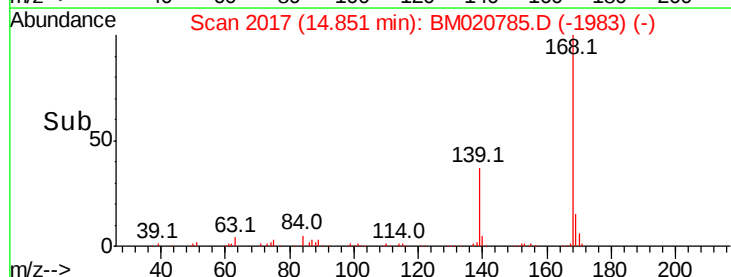
Ion Ratio Lower Upper

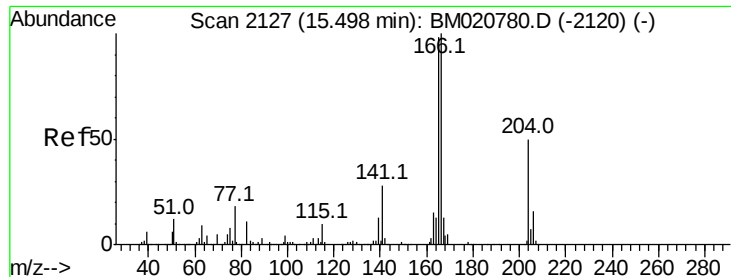
168 100

139 37.7 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: 5.700 ng/ul

RT: 15.50 min Scan# 2127

Delta R.T. -0.00 min

Lab File: BM020785.D

Acq: 07 Jun 2019 04:14

Instrument :

BNA_M

ClientSampleId :

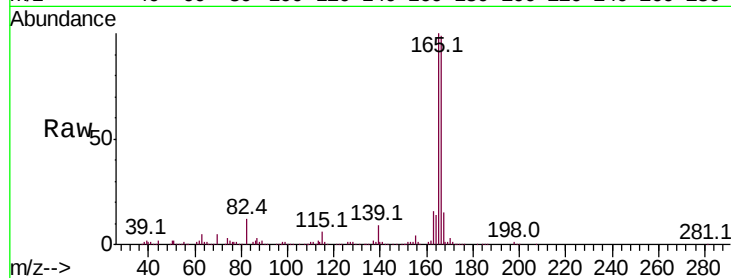
Tot Ion:166 Resp: 323417

Ion Ratio Lower Upper

166 100

165 100.6 78.6 117.8

167 15.2 10.8 16.2

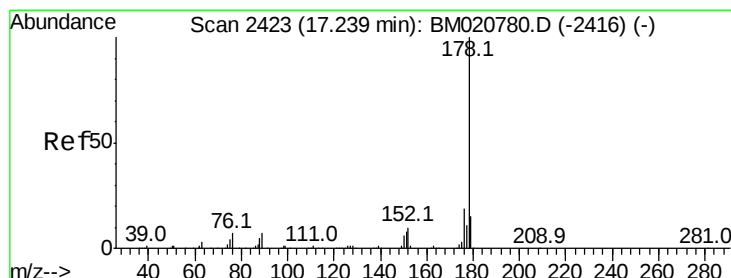
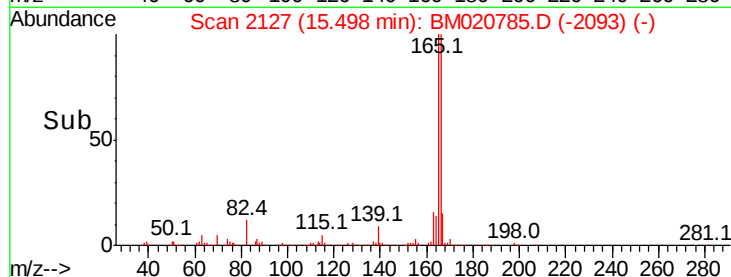
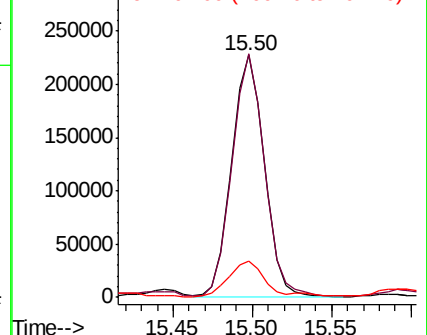


Abundance

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: 59.588 ng/ul

RT: 17.24 min Scan# 2423

Delta R.T. -0.00 min

Lab File: BM020785.D

Acq: 07 Jun 2019 04:14

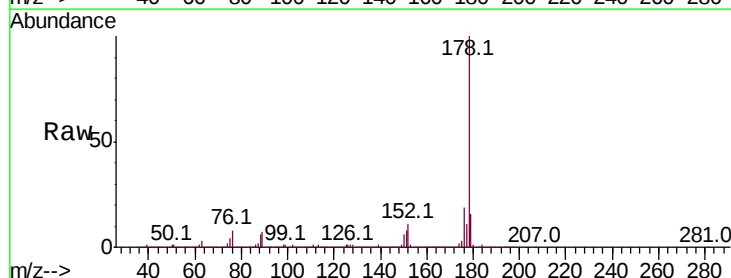
Tgt Ion:178 Resp: 5114403

Ion Ratio Lower Upper

178 100

179 15.7 12.3 18.5

176 19.4 14.8 22.2

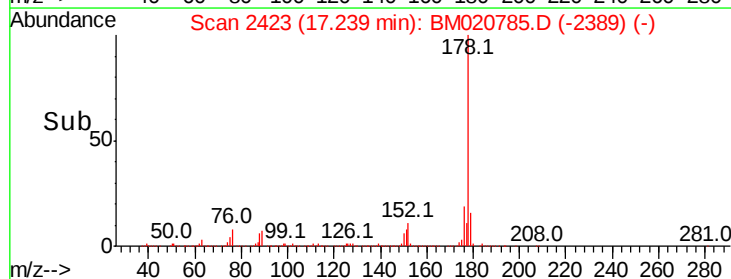
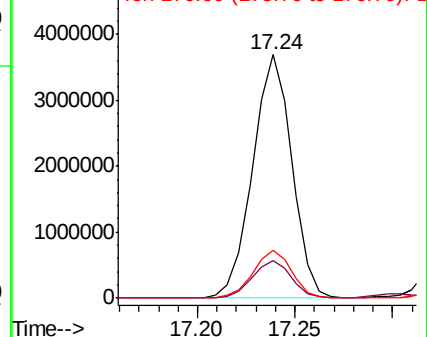


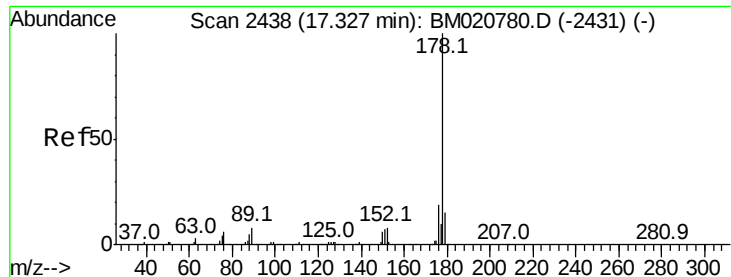
Abundance

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



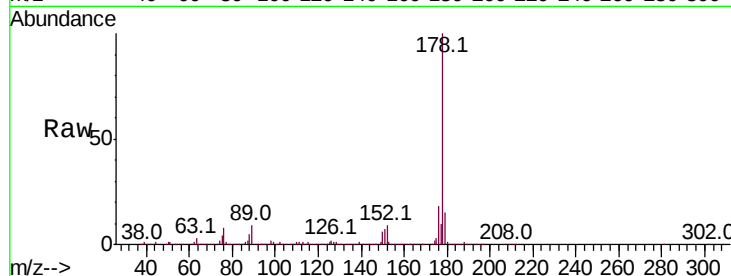


#71
 Anthracene
 Concen: 11.899 ng/ul
 RT: 17.33 min Scan# 2438
 Delta R.T. -0.00 min
 Lab File: BM020785.D
 Acq: 07 Jun 2019 04:14

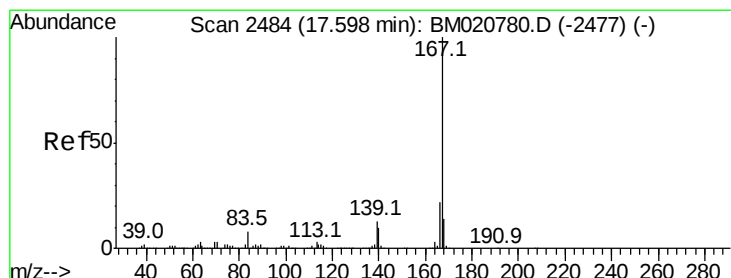
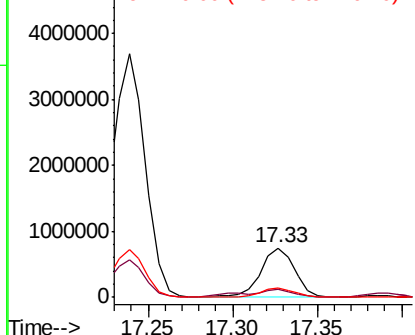
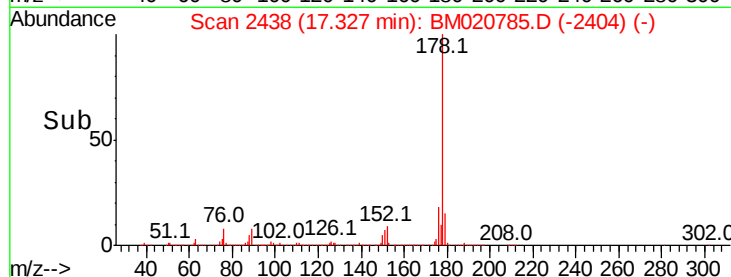
Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:178 Resp: 1046820

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.1	18.1
176	18.2	14.9	22.3



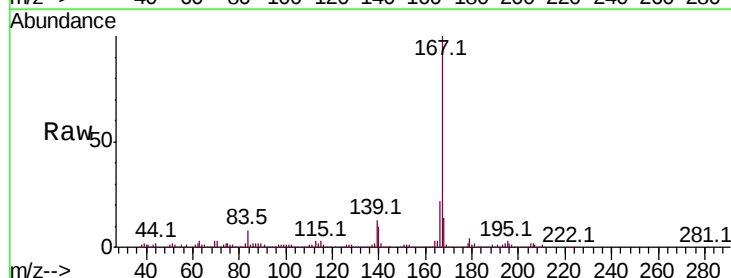
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E



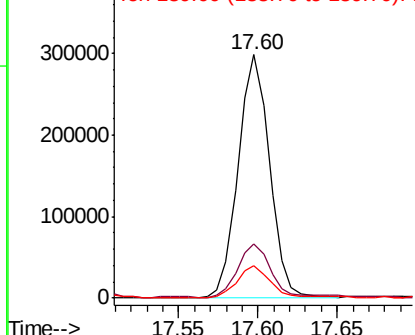
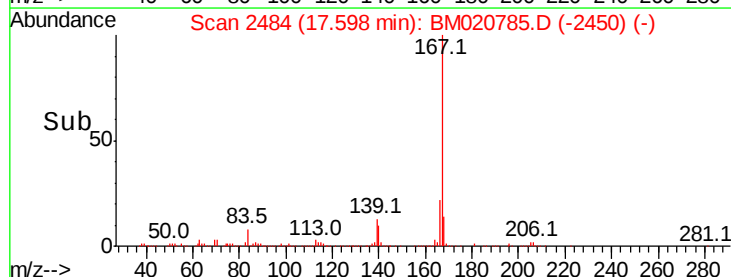
#74
 Carbazole
 Concen: 5.327 ng/ul
 RT: 17.60 min Scan# 2484
 Delta R.T. -0.00 min
 Lab File: BM020785.D
 Acq: 07 Jun 2019 04:14

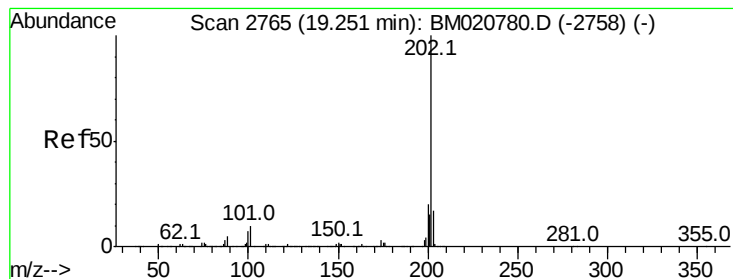
Tgt Ion:167 Resp: 407580

Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.0	25.6
139	13.4	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: 66.777 ng/ul

RT: 19.25 min Scan# 2765

Delta R.T. -0.00 min

Lab File: BM020785.D

Acq: 07 Jun 2019 04:14

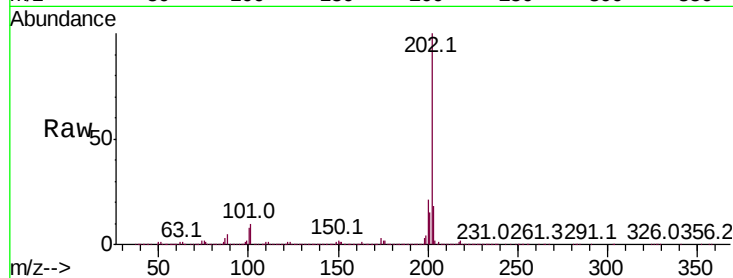
Instrument :

BNA_M

ClientSampleId :

Tot Ion:202 Resp: 6568024

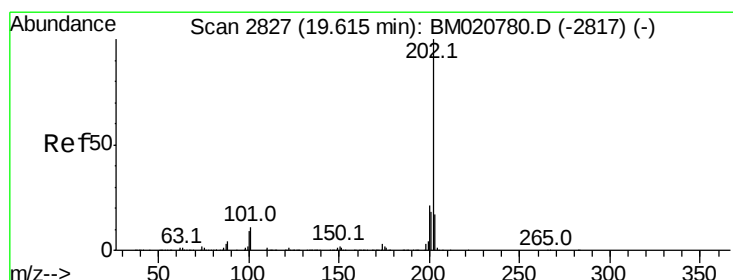
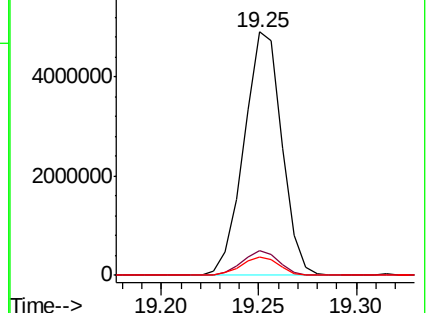
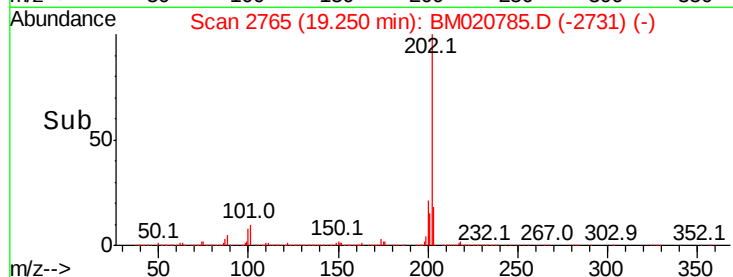
Ion	Ratio	Lower	Upper
202	100		
101	10.1	7.9	11.9
100	7.7	6.2	9.4



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): B



#79

Pyrene

Concen: 60.533 ng/ul

RT: 19.62 min Scan# 2827

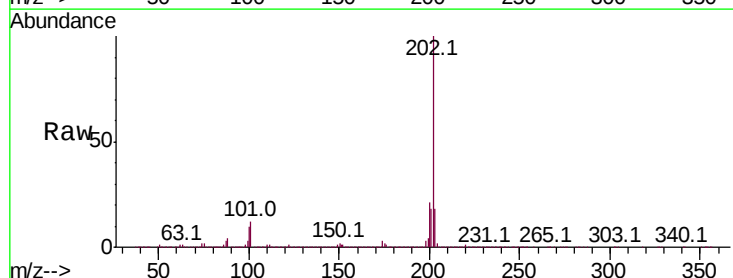
Delta R.T. -0.00 min

Lab File: BM020785.D

Acq: 07 Jun 2019 04:14

Tgt Ion:202 Resp: 5941718

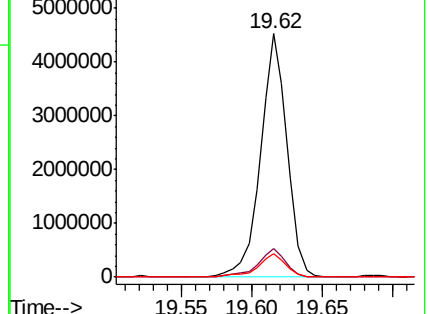
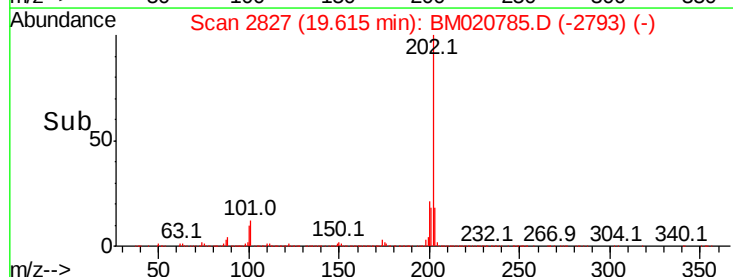
Ion	Ratio	Lower	Upper
202	100		
101	11.6	9.8	14.6
100	9.6	8.0	12.0

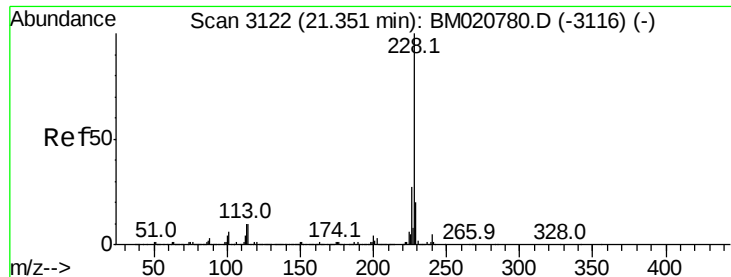


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

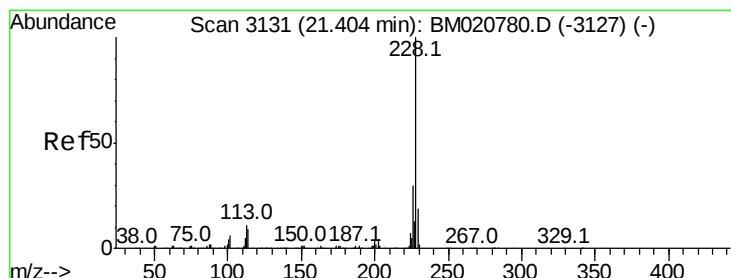
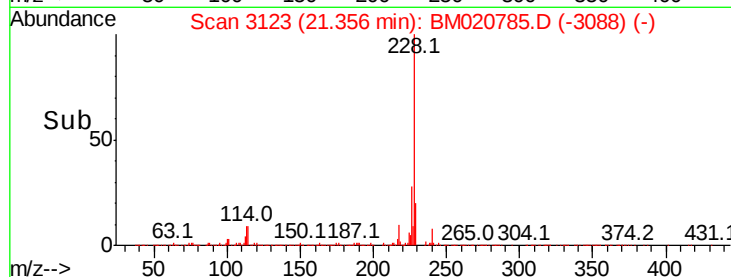
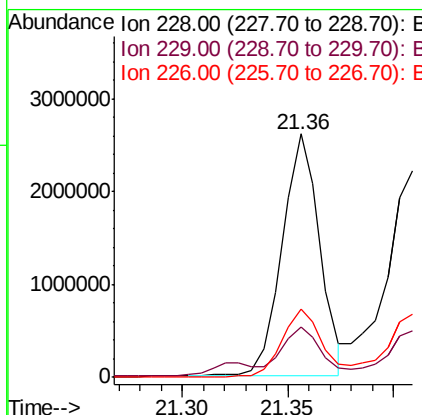
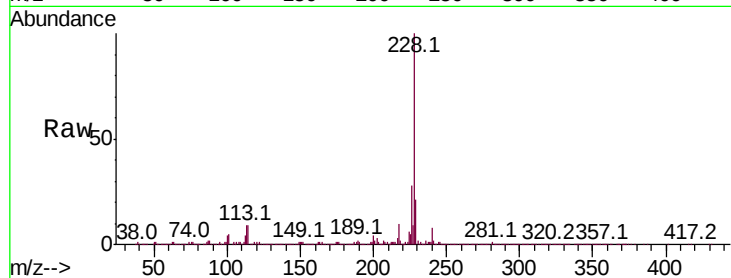




#82
Benzo(a)anthracene
Concen: 32.525 ng/ul
RT: 21.36 min Scan# 3123
Delta R.T. 0.01 min
Lab File: BM020785.D
Acq: 07 Jun 2019 04:14

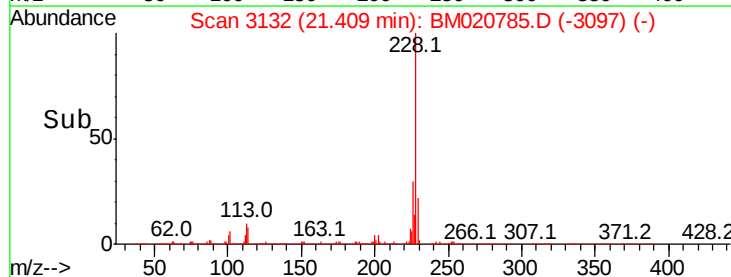
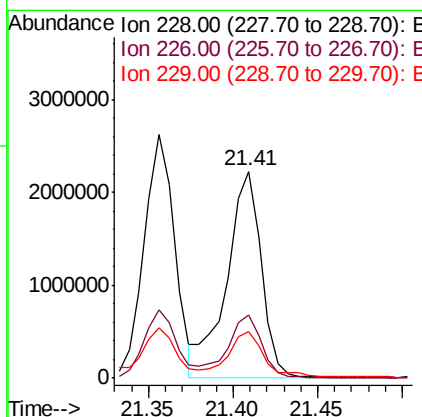
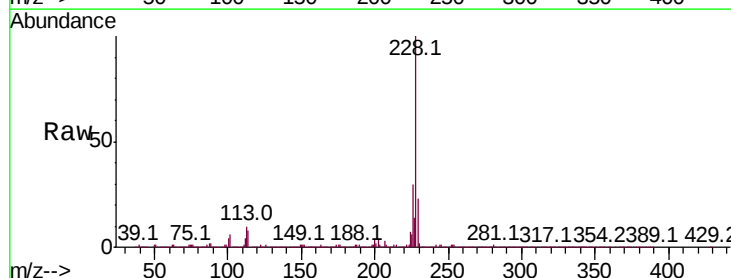
Instrument :
BNA_M
ClientSampleId :

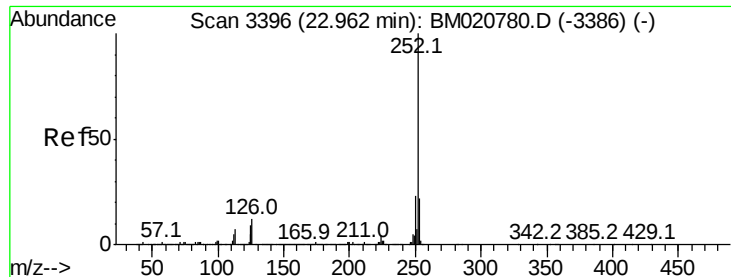
Tot Ion:228 Resp: 3226364
Ion Ratio Lower Upper
228 100
229 20.8 15.6 23.4
226 28.1 21.4 32.2



#84
Chrysene
Concen: 34.440 ng/ul
RT: 21.41 min Scan# 3132
Delta R.T. 0.01 min
Lab File: BM020785.D
Acq: 07 Jun 2019 04:14

Tgt Ion:228 Resp: 3169968
Ion Ratio Lower Upper
228 100
226 30.4 24.4 36.6
229 22.5 16.2 24.2





#87

Benzo(b)fluoranthene

Concen: 34.044 ng/ul

RT: 22.97 min Scan# 3398

Delta R.T. 0.01 min

Lab File: BM020785.D

Acq: 07 Jun 2019 04:14

Instrument :

BNA_M

ClientSampleId :

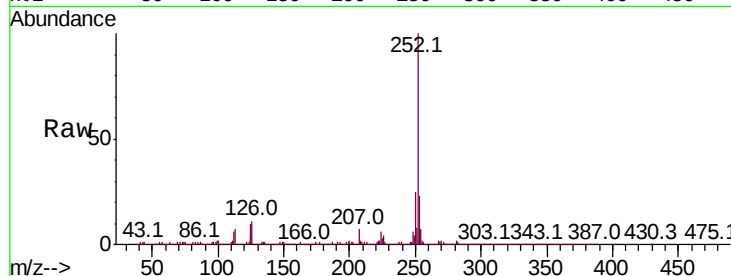
Tot Ion:252 Resp: 3609679

Ion Ratio Lower Upper

252 100

253 23.2 17.6 26.4

125 9.7 7.3 10.9

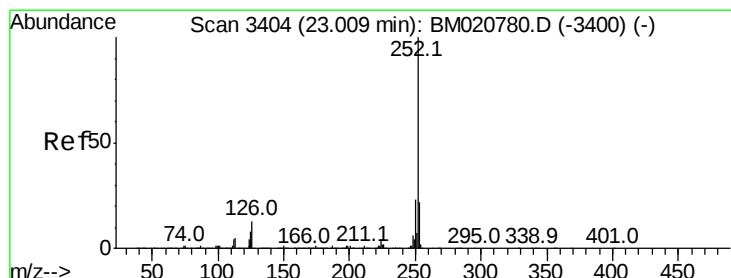
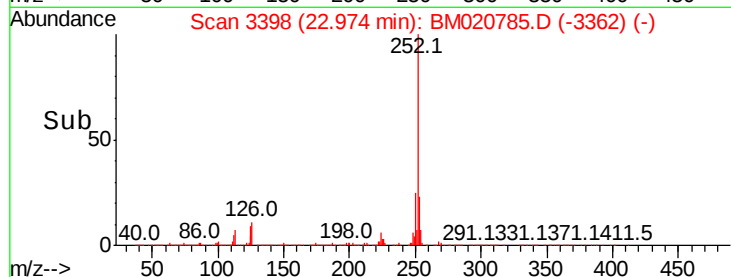
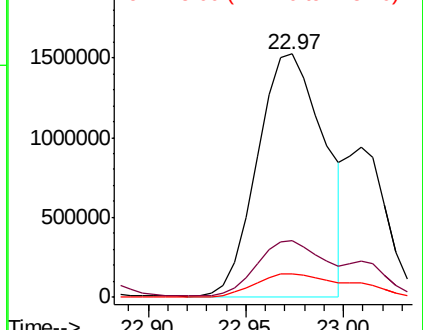


Abundance

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: 35.618 ng/ul

RT: 22.97 min Scan# 3398

Delta R.T. -0.04 min

Lab File: BM020785.D

Acq: 07 Jun 2019 04:14

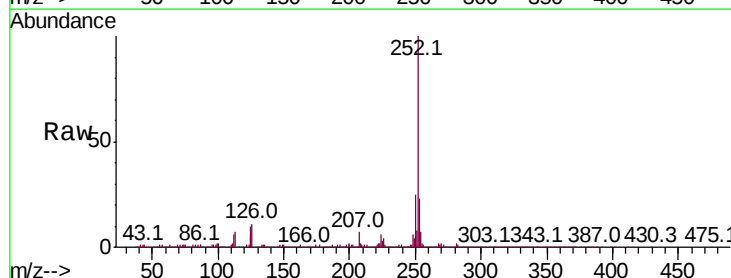
Tgt Ion:252 Resp: 3609679

Ion Ratio Lower Upper

252 100

253 23.2 17.6 26.4

125 9.7 7.3 10.9

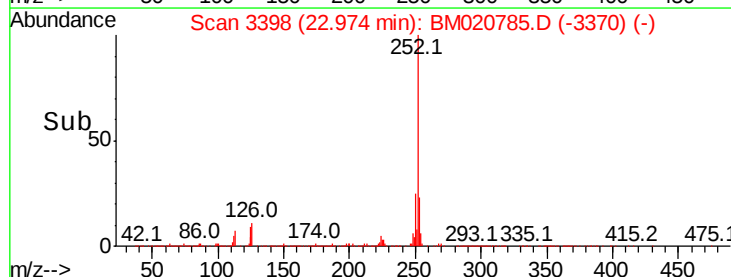
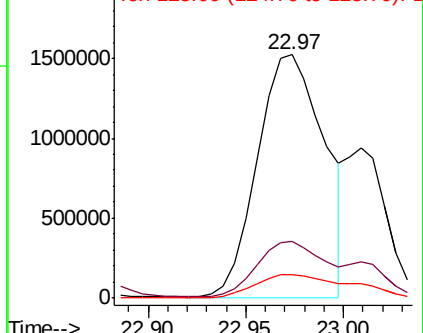


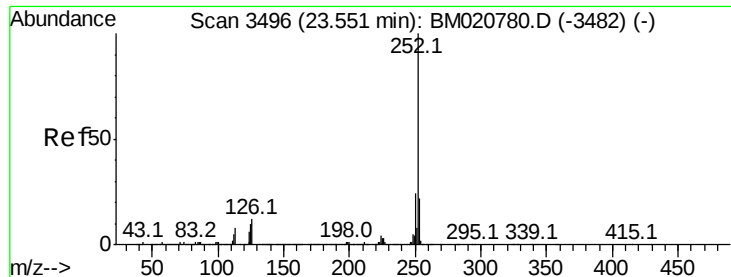
Abundance

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: 25.858 ng/ul

RT: 23.56 min Scan# 3497

Delta R.T. 0.01 min

Lab File: BM020785.D

Acq: 07 Jun 2019 04:14

Instrument :

BNA_M

ClientSampleId :

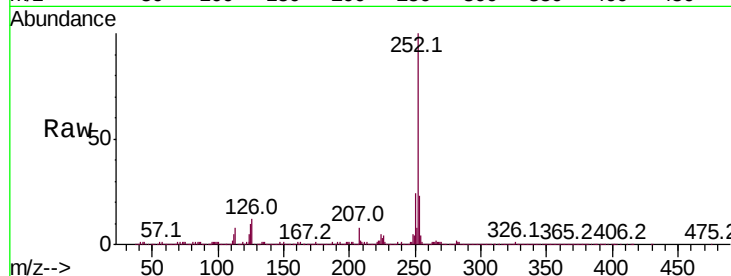
Tot Ion:252 Resp: 2608336

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	9.8	8.2	12.4

252 100

253 23.0 17.0 25.6

125 9.8 8.2 12.4

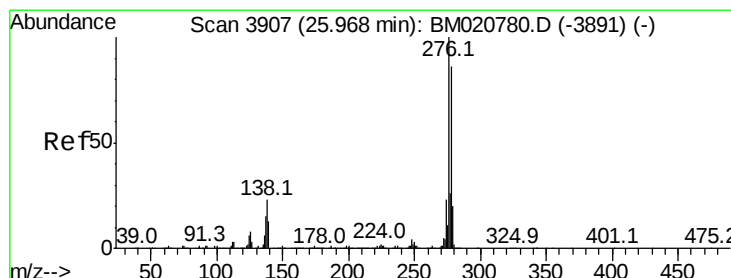
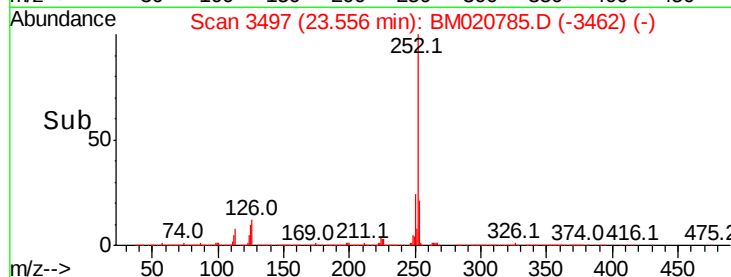
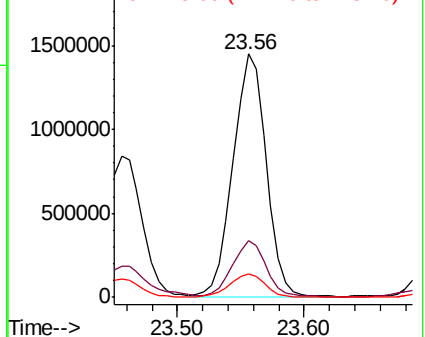


Abundance

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: 13.831 ng/ul

RT: 25.97 min Scan# 3907

Delta R.T. -0.00 min

Lab File: BM020785.D

Acq: 07 Jun 2019 04:14

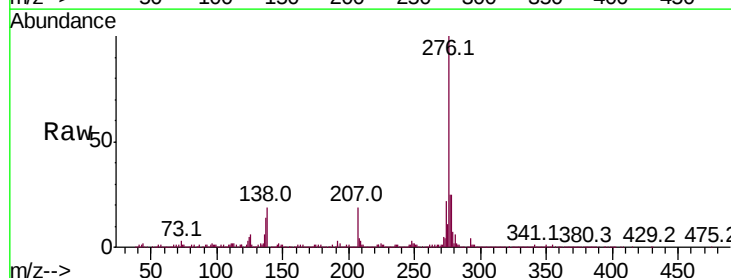
Tgt Ion:276 Resp: 1647807

Ion	Ratio	Lower	Upper
276	100		
138	18.9	17.8	26.8
277	24.7	20.0	30.0

276 100

138 18.9 17.8 26.8

277 24.7 20.0 30.0

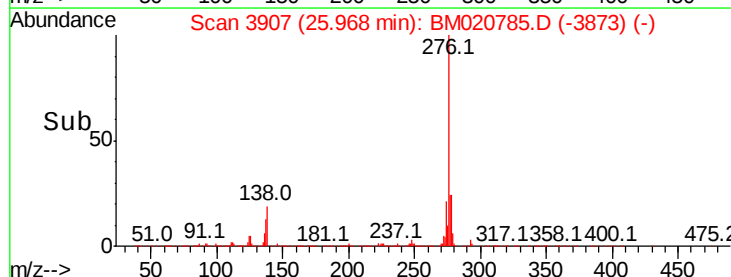
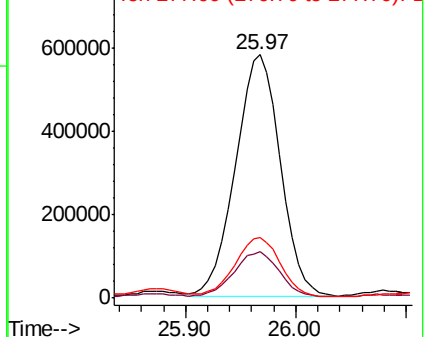


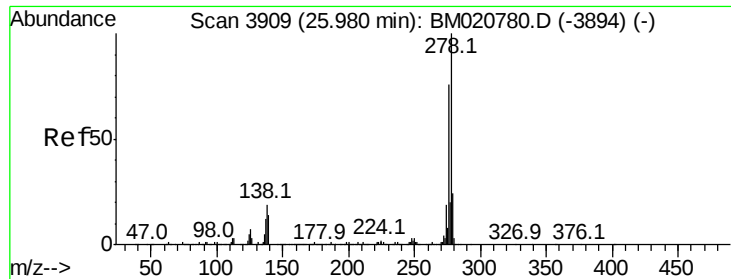
Abundance

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: 4.713 ng/ul

RT: 25.97 min Scan# 3908

Delta R.T. -0.01 min

Lab File: BM020785.D

Acq: 07 Jun 2019 04:14

Instrument :

BNA_M

ClientSampleId :

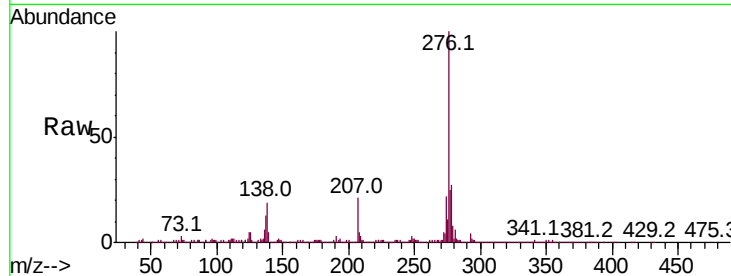
Tot Ion:278 Resp: 475815

Ion Ratio Lower Upper

278 100

139 20.1 11.6 17.4#

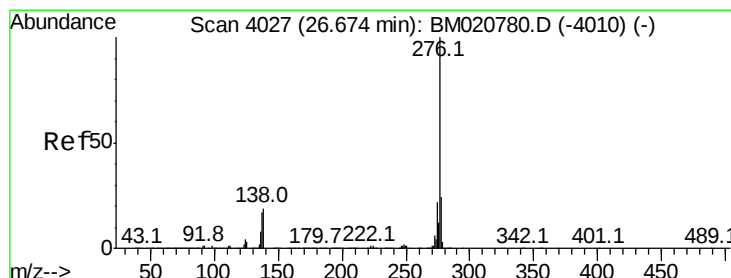
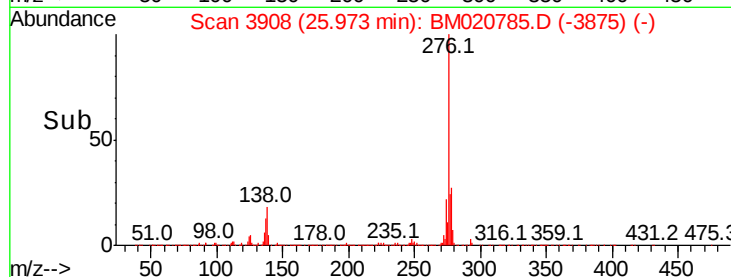
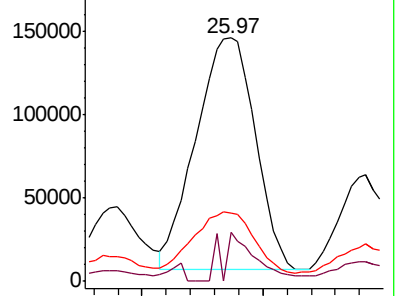
279 28.2 18.6 28.0#



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: 12.742 ng/ul

RT: 26.68 min Scan# 4028

Delta R.T. 0.01 min

Lab File: BM020785.D

Acq: 07 Jun 2019 04:14

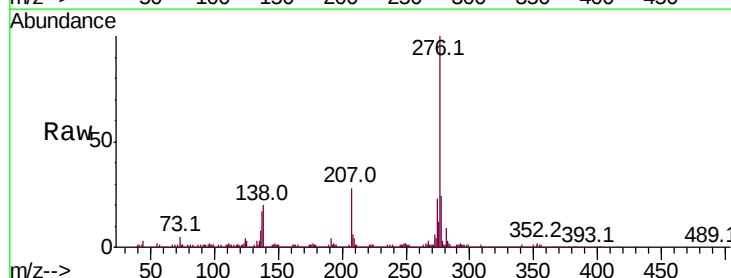
Tgt Ion:276 Resp: 1231603

Ion Ratio Lower Upper

276 100

138 19.6 16.6 25.0

277 24.0 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

