

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
 Data File : BM020782.D
 Acq On : 07 Jun 2019 02:26
 Operator : HP/JU
 Sample : K3201-14
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jun 07 06:38:31 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	295489	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	1200354	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	686172	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	1468808	20.00	ng/ul	0.00
77) Chrysene-d12	21.37	240	1428571	20.00	ng/ul	0.00
85) Perylene-d12	23.66	264	1645809	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.31	96	32550	5.25	ng/uL	0.00
5) Phenol-d5	6.97	99	648493	28.69	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	412462	30.43	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	561278	31.17	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	479912	26.38	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	272902	33.31	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	297528	35.28	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	556856	31.66	ng/ul	0.00
29) 4-Chloroaniline-d4	10.75	131	493270	23.28	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	1665463	32.81	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	2085878	32.41	ng/ul	0.00
51) 4-Nitrophenol-d4	14.64	143	222733	25.57	ng/ul	0.00
57) Fluorene-d10	15.45	176	1406395	32.61	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	144354	19.22	ng/ul	0.00
70) Anthracene-d10	17.29	188	2121065	33.06	ng/ul	0.00
78) Pyrene-d10	19.59	212	2195327	31.79	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.52	264	2376116	31.77	ng/ul	0.01

Target Compounds

					Ovalue
6) Phenol	7.00	94	50466	2.168	ng/ul 97
14) Acetophenone	8.63	105	29039	1.033	ng/ul 95
28) Naphthalene	10.65	128	162624	2.885	ng/ul 99
34) 2-Methylnaphthalene	12.26	142	70139	1.694	ng/ul 98
44) Dimethylphthalate	13.90	163	574862	11.311	ng/ul 99
47) Acenaphthylene	14.17	152	344745	5.537	ng/ul 98
49) Acenaphthene	14.51	153	257896	5.933	ng/ul 98
53) Dibenzofuran	14.85	168	212114	3.450	ng/ul 100
58) Fluorene	15.50	166	286218	5.799	ng/ul 97
69) Phenanthrene	17.24	178	5873154	79.451	ng/ul 98
71) Anthracene	17.33	178	1169896	15.440	ng/ul 99
74) Carbazole	17.60	167	483637	7.340	ng/ul 98
76) Fluoranthene	19.26	202	10521678	124.205	ng/ul 99
79) Pyrene	19.62	202	9526495	108.031	ng/ul 98
82) Benzo(a)anthracene	21.36	228	5437318	61.014	ng/ul 96
83) Bis(2-ethylhexyl)phthalate	21.29	149	251407	4.148	ng/ul 100
84) Chrysene	21.41	228	5202148	62.910	ng/ul 97
87) Benzo(b)fluoranthene	22.97	252	6860683	71.658	ng/ul 98
88) Benzo(k)fluoranthene	22.97	252	6860683	74.970	ng/ul 98
90) Benzo(a)pyrene	23.56	252	4662362	51.186	ng/ul 98
91) Indeno(1,2,3-cd)pyrene	25.97	276	3058422	28.429	ng/ul 96
92) Dibenzo(a,h)anthracene	25.98	278	867761	9.519	ng/ul# 92
93) Benzo(g,h,i)perylene	26.69	276	2346950	26.890	ng/ul 98

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

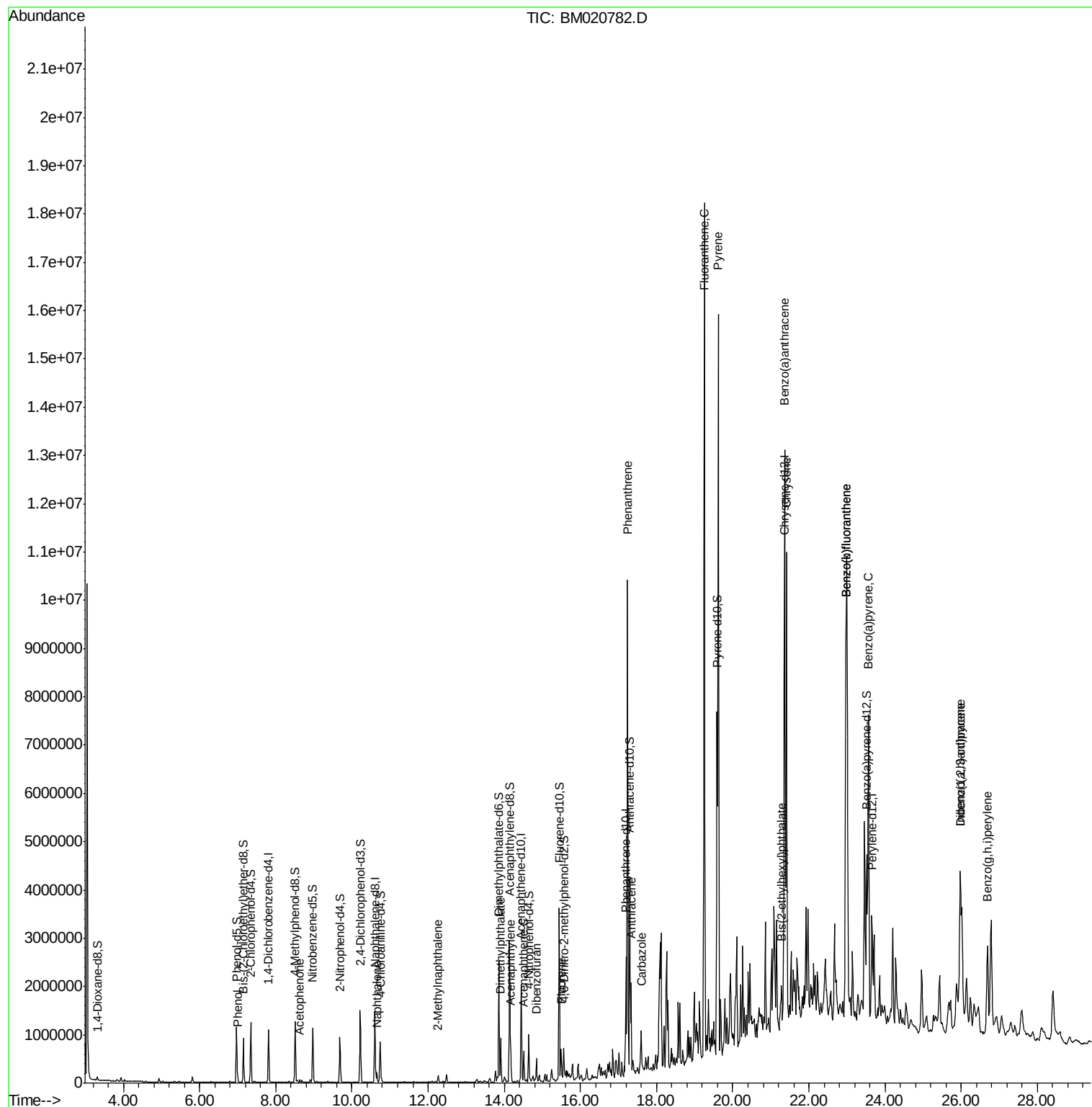
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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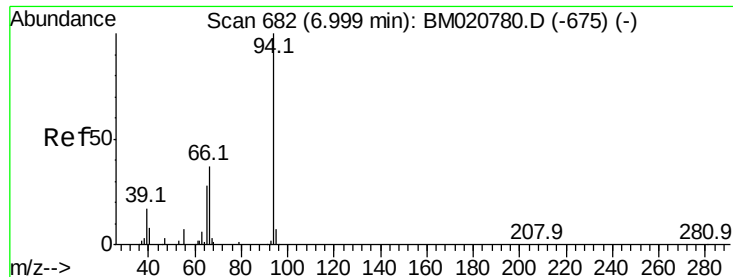
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
BNA_M
ClientSampled :

Quant Time: Jun 07 06:38:31 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
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Response via : Initial Calibration





#6

Phenol

Concen: 2.168 ng/ul

RT: 7.00 min Scan# 682

Delta R.T. -0.00 min

Lab File: BM020782.D

Acq: 07 Jun 2019 02:26

Instrument :

BNA_M

ClientSampleId :

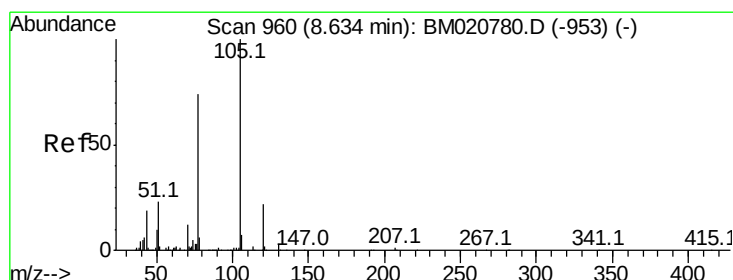
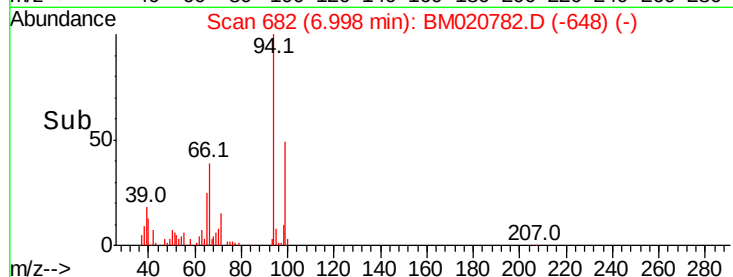
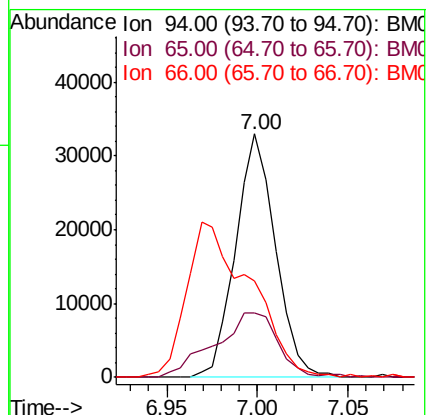
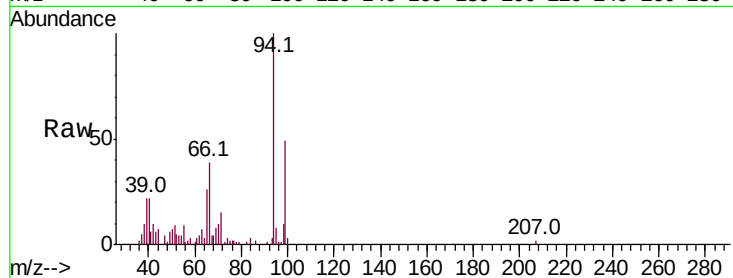
Tot Ion: 94 Resp: 50466

Ion Ratio Lower Upper

94 100

65 26.4 23.3 34.9

66 39.4 32.1 48.1



#14

Acetophenone

Concen: 1.033 ng/ul

RT: 8.63 min Scan# 960

Delta R.T. -0.00 min

Lab File: BM020782.D

Acq: 07 Jun 2019 02:26

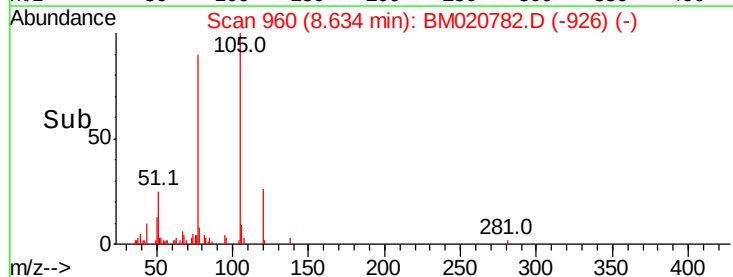
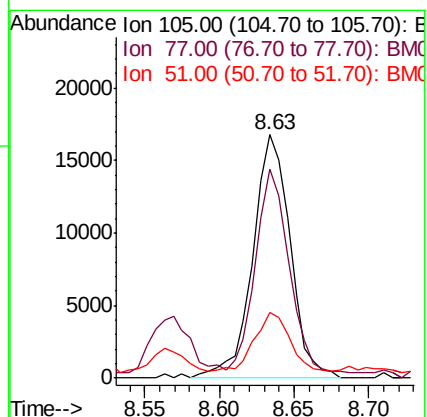
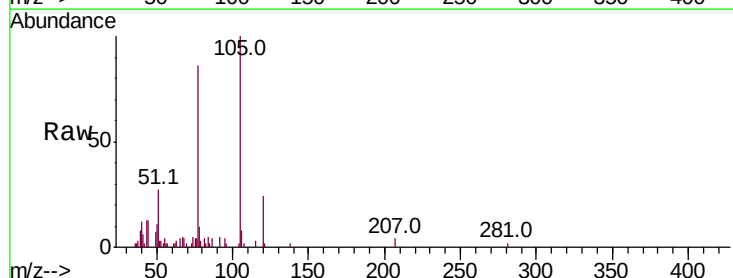
Tgt Ion: 105 Resp: 29039

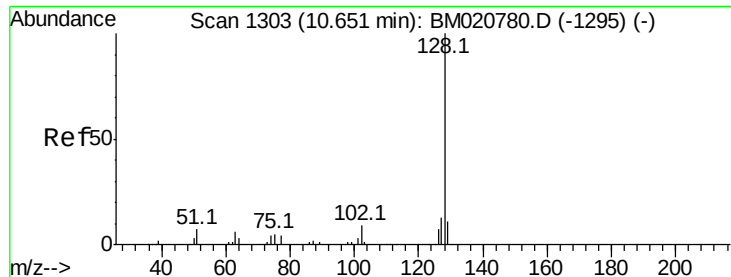
Ion Ratio Lower Upper

105 100

77 86.1 64.6 97.0

51 27.2 21.4 32.2





#28

Naphthalene

Concen: 2.885 ng/ul

RT: 10.65 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BM020782.D

Acq: 07 Jun 2019 02:26

Instrument :

BNA_M

ClientSampleId :

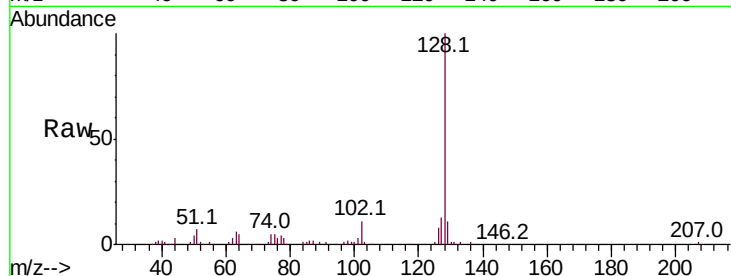
Tot Ion:128 Resp: 162624

Ion Ratio Lower Upper

128 100

129 11.3 8.6 13.0

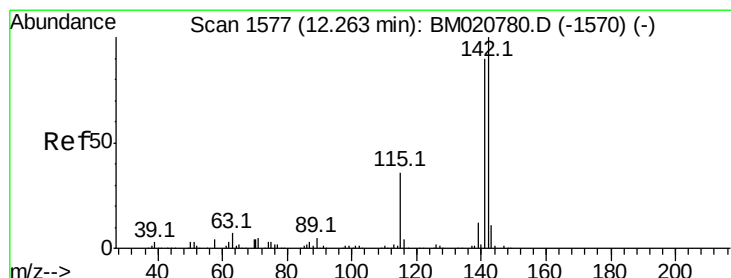
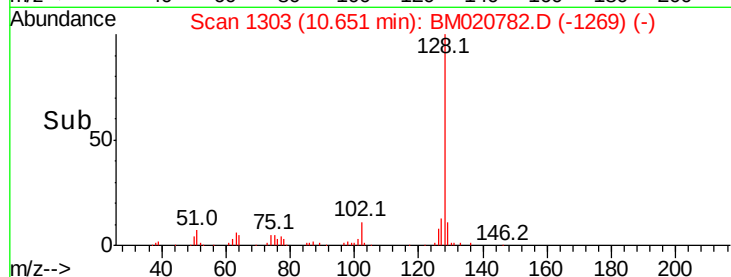
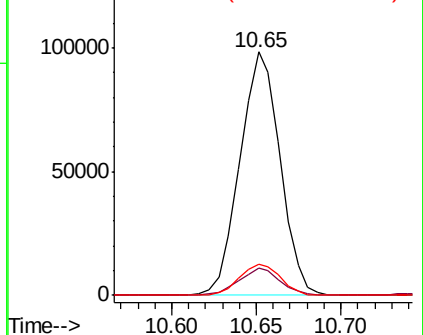
127 13.0 10.2 15.2



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: 1.694 ng/ul

RT: 12.26 min Scan# 1577

Delta R.T. -0.00 min

Lab File: BM020782.D

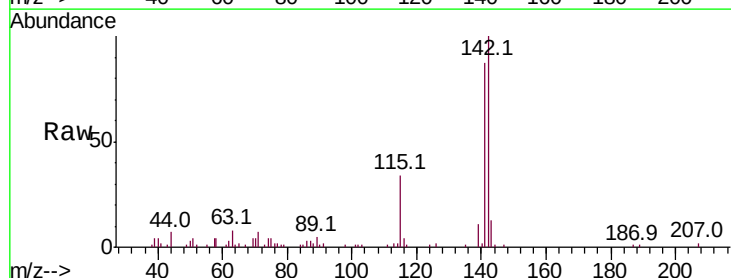
Acq: 07 Jun 2019 02:26

Tgt Ion:142 Resp: 70139

Ion Ratio Lower Upper

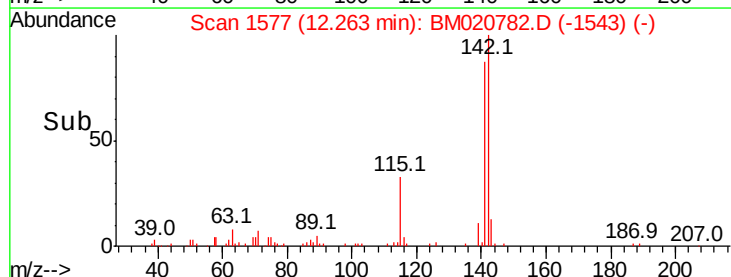
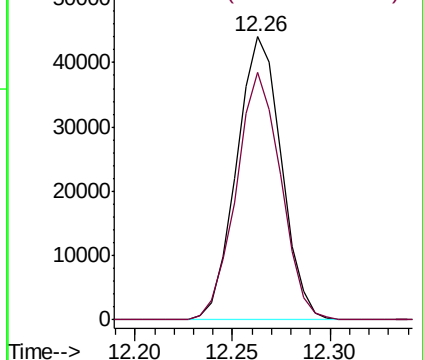
142 100

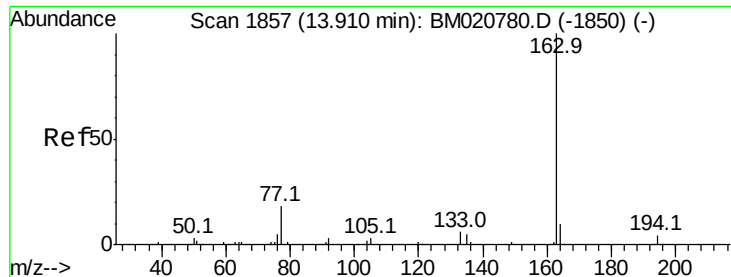
141 87.3 71.4 107.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#44

Dimethylphthalate

Concen: 11.311 ng/ul

RT: 13.90 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BM020782.D

Acq: 07 Jun 2019 02:26

Instrument :

BNA_M

ClientSampled :

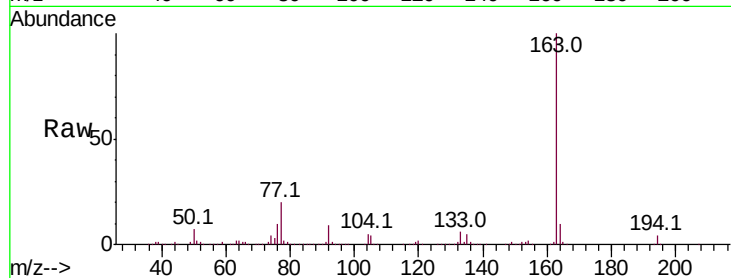
Tot Ion:163 Resp: 574862

Ion Ratio Lower Upper

163 100

194 4.3 3.2 4.8

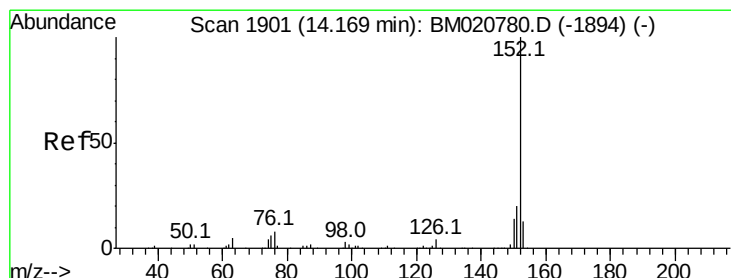
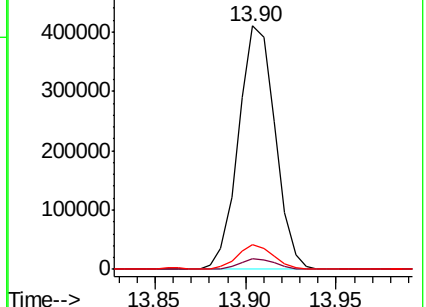
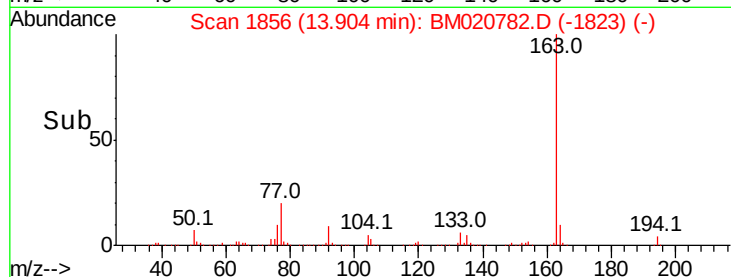
164 10.1 8.0 12.0



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: 5.537 ng/ul

RT: 14.17 min Scan# 1901

Delta R.T. -0.00 min

Lab File: BM020782.D

Acq: 07 Jun 2019 02:26

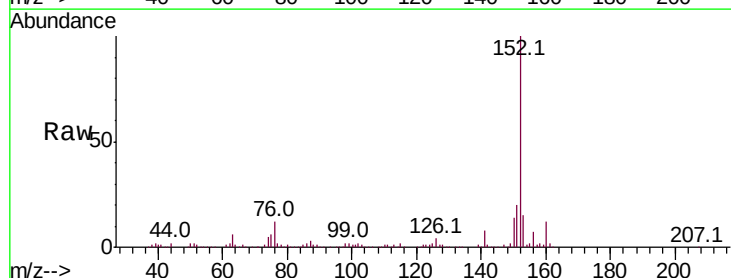
Tgt Ion:152 Resp: 344745

Ion Ratio Lower Upper

152 100

151 20.0 16.2 24.2

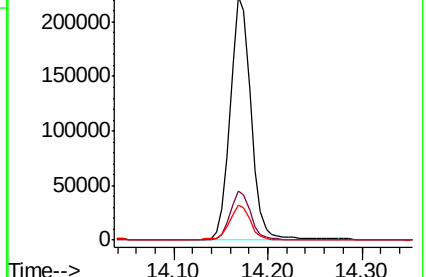
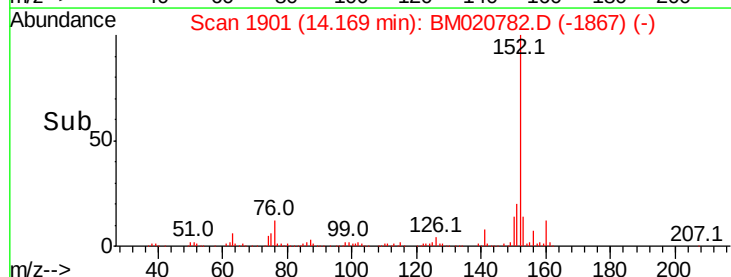
153 14.6 10.6 15.8

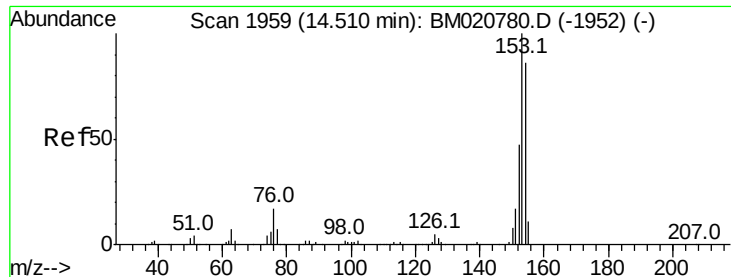


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 5.933 ng/ul

RT: 14.51 min Scan# 1959

Delta R.T. -0.00 min

Lab File: BM020782.D

Acq: 07 Jun 2019 02:26

Instrument :

BNA_M

ClientSampleId :

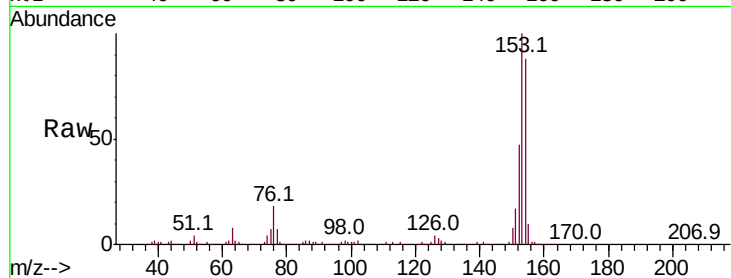
Tot Ion:153 Resp: 257896

Ion Ratio Lower Upper

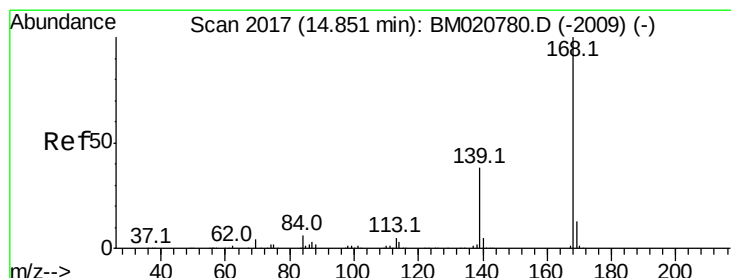
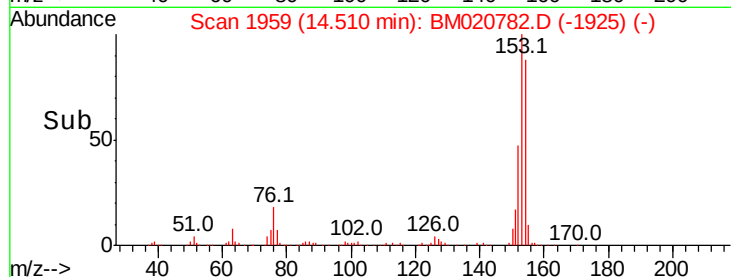
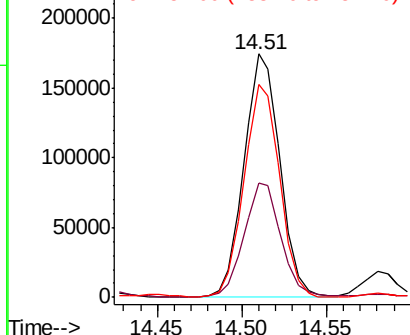
153 100

152 47.2 37.3 55.9

154 87.6 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: 3.450 ng/ul

RT: 14.85 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BM020782.D

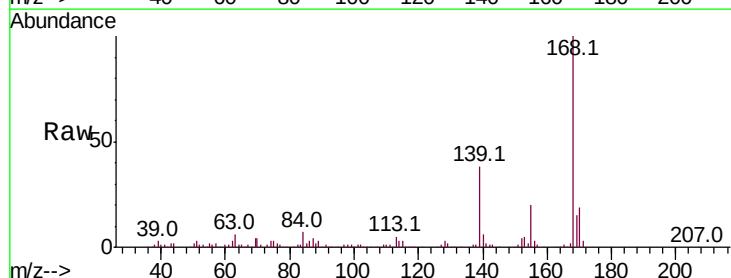
Acq: 07 Jun 2019 02:26

Tgt Ion:168 Resp: 212114

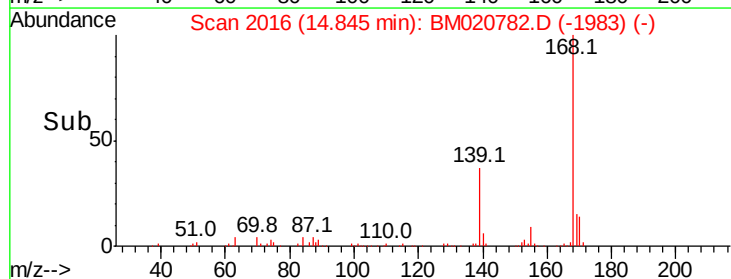
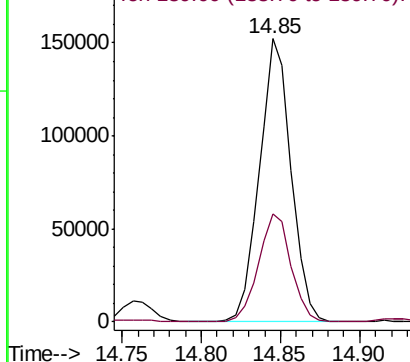
Ion Ratio Lower Upper

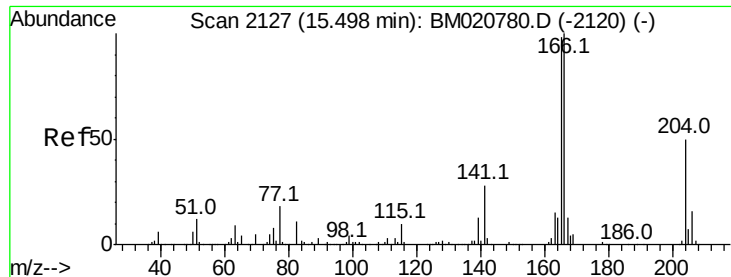
168 100

139 38.0 30.4 45.6



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E

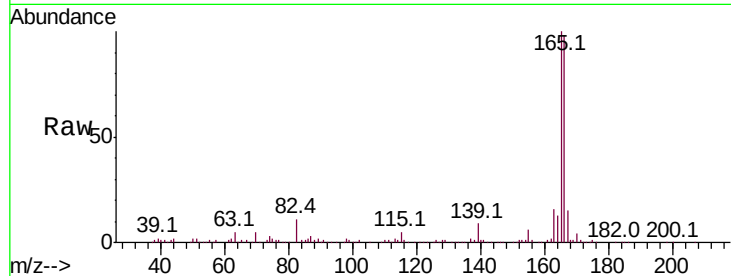




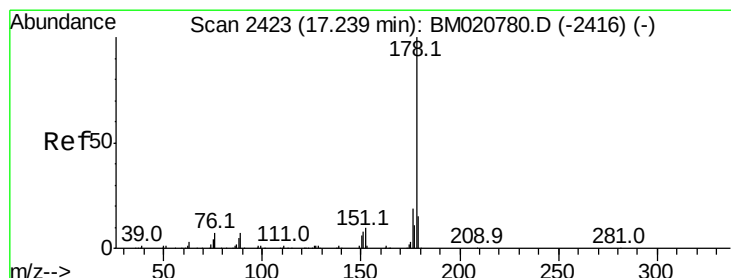
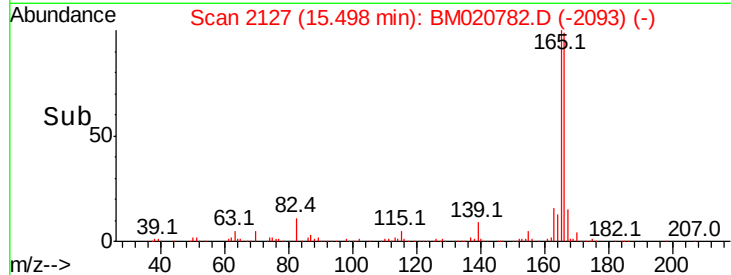
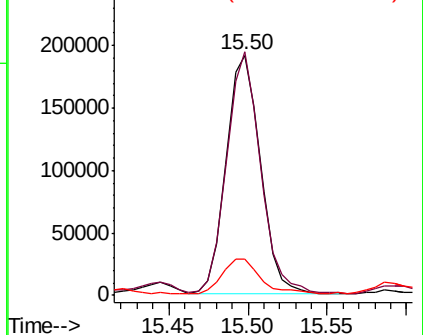
#58
Fluorene
Concen: 5.799 ng/ul
RT: 15.50 min Scan# 2127
Delta R.T. -0.00 min
Lab File: BM020782.D
Acq: 07 Jun 2019 02:26

Instrument :
BNA_M
ClientSampleId :

Tot Ion:166 Resp: 286218
Ion Ratio Lower Upper
166 100
165 101.5 78.6 117.8
167 15.0 10.8 16.2

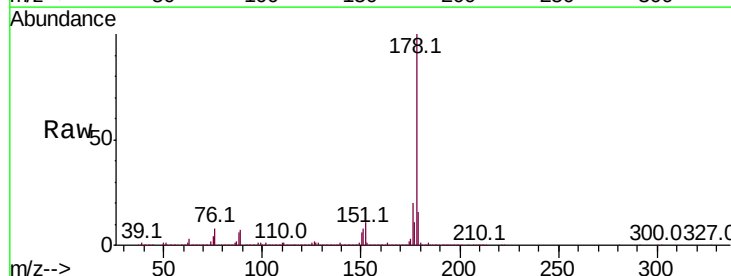


Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

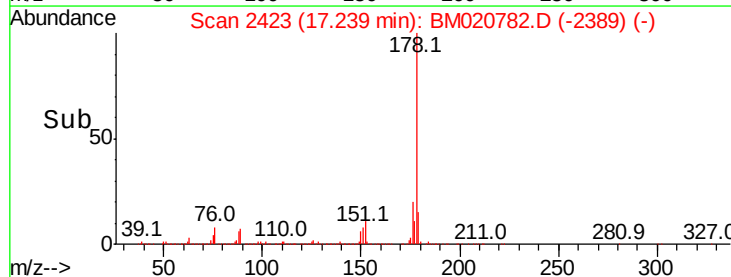
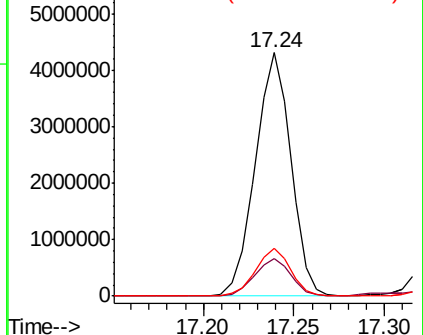


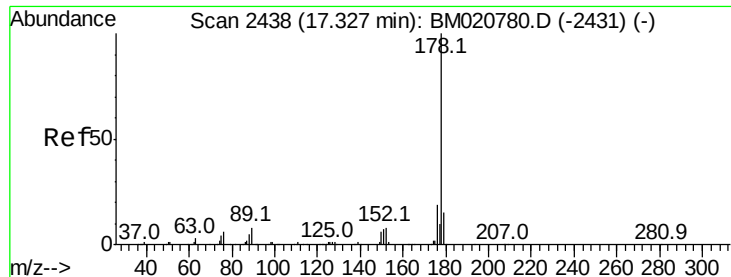
#69
Phenanthrene
Concen: 79.451 ng/ul
RT: 17.24 min Scan# 2423
Delta R.T. -0.00 min
Lab File: BM020782.D
Acq: 07 Jun 2019 02:26

Tgt Ion:178 Resp: 5873154
Ion Ratio Lower Upper
178 100
179 15.5 12.3 18.5
176 19.7 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



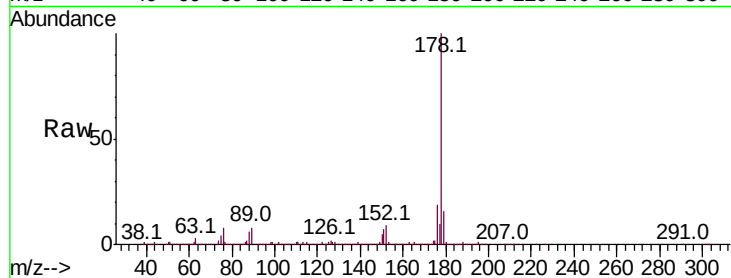


#71
 Anthracene
 Concen: 15.440 ng/ul
 RT: 17.33 min Scan# 2438
 Delta R.T. -0.00 min
 Lab File: BM020782.D
 Acq: 07 Jun 2019 02:26

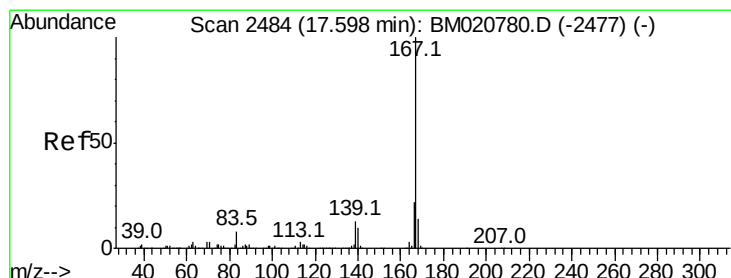
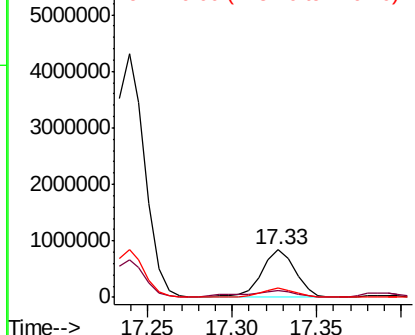
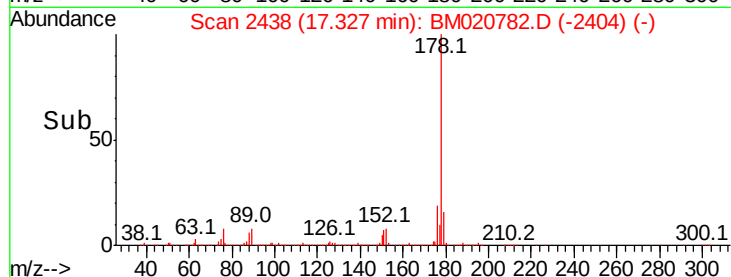
Instrument :
 BNA_M
 ClientSampled :

Tot Ion:178 Resp: 1169896

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.1	18.1
176	18.6	14.9	22.3



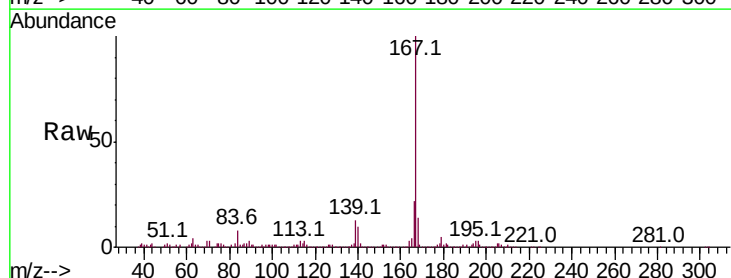
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E



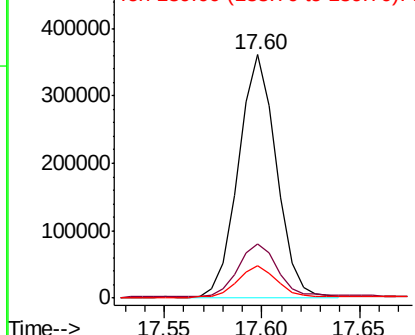
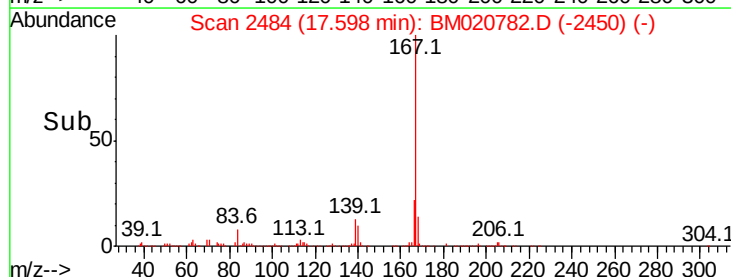
#74
 Carbazole
 Concen: 7.340 ng/ul
 RT: 17.60 min Scan# 2484
 Delta R.T. -0.00 min
 Lab File: BM020782.D
 Acq: 07 Jun 2019 02:26

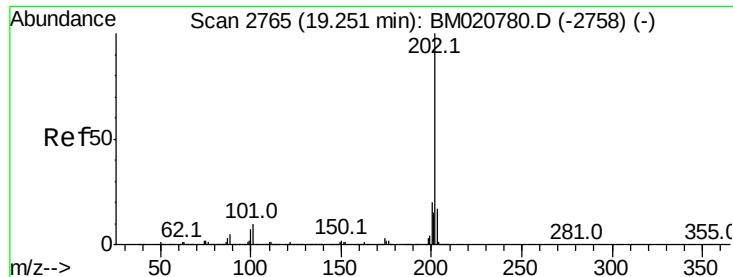
Tgt Ion:167 Resp: 483637

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: 124.205 ng/ul

RT: 19.26 min Scan# 2766

Delta R.T. 0.01 min

Lab File: BM020782.D

Acq: 07 Jun 2019 02:26

Instrument :

BNA_M

ClientSampleId :

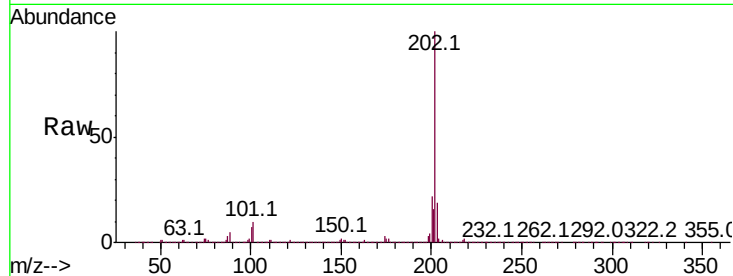
Tot Ion:202 Resp:10521678

Ion Ratio Lower Upper

202 100

101 9.5 7.9 11.9

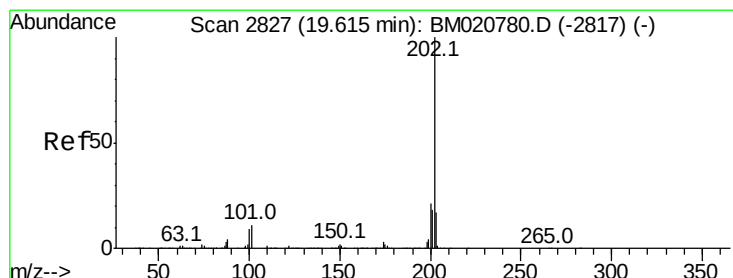
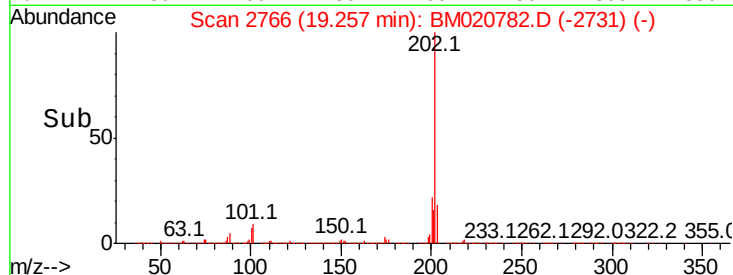
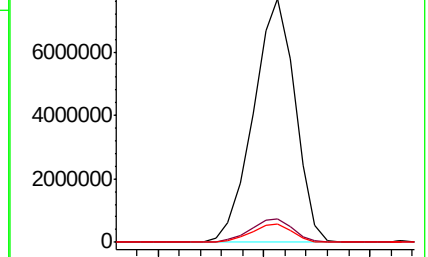
100 7.4 6.2 9.4



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: 108.031 ng/ul

RT: 19.62 min Scan# 2828

Delta R.T. 0.01 min

Lab File: BM020782.D

Acq: 07 Jun 2019 02:26

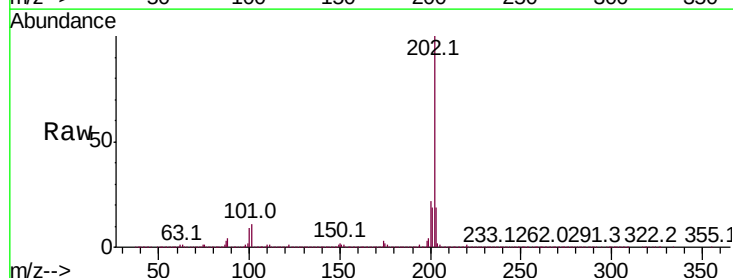
Tgt Ion:202 Resp: 9526495

Ion Ratio Lower Upper

202 100

101 11.1 9.8 14.6

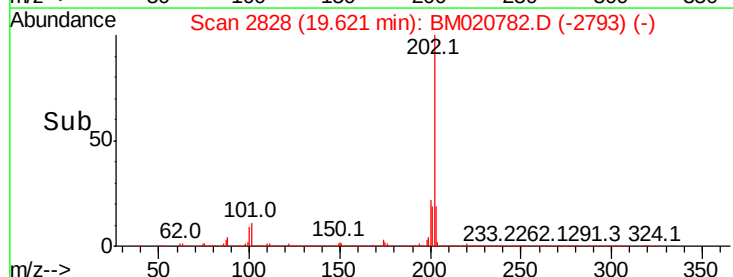
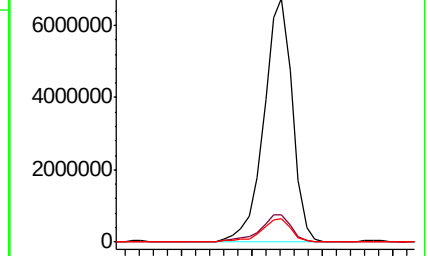
100 9.4 8.0 12.0

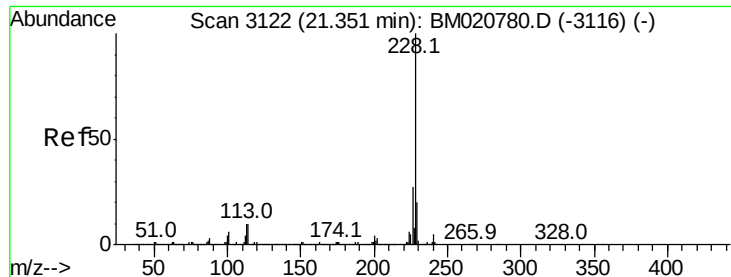


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 61.014 ng/ul

RT: 21.36 min Scan# 3123

Delta R.T. 0.01 min

Lab File: BM020782.D

Acq: 07 Jun 2019 02:26

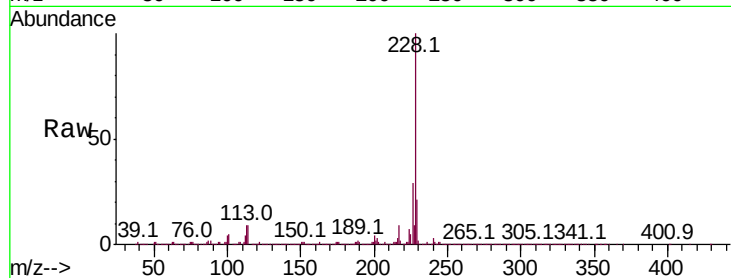
Instrument :

BNA_M

ClientSampled :

Tot Ion:228 Resp: 5437318

Ion	Ratio	Lower	Upper
228	100		
229	21.1	15.6	23.4
226	28.7	21.4	32.2

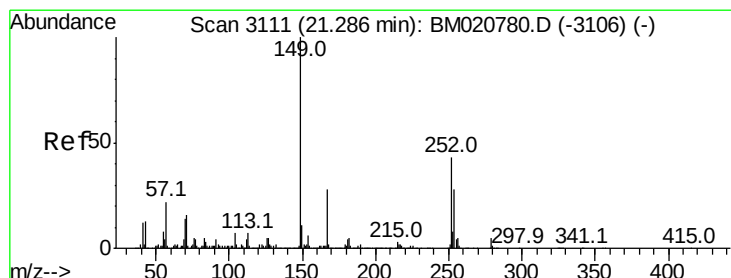
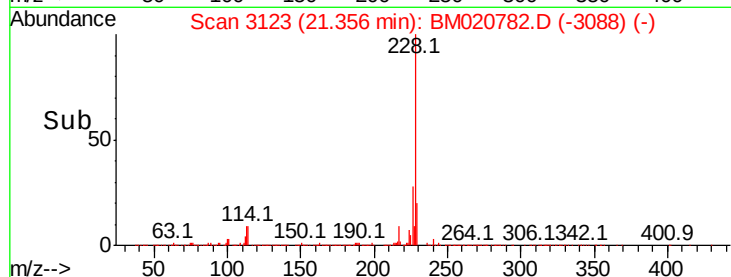
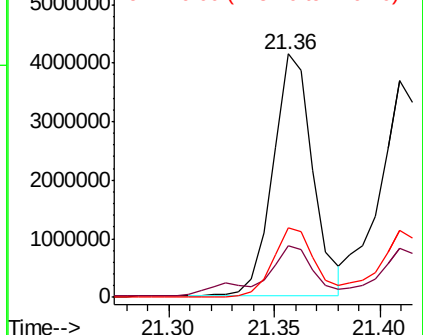


Abundance

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: 4.148 ng/ul

RT: 21.29 min Scan# 3111

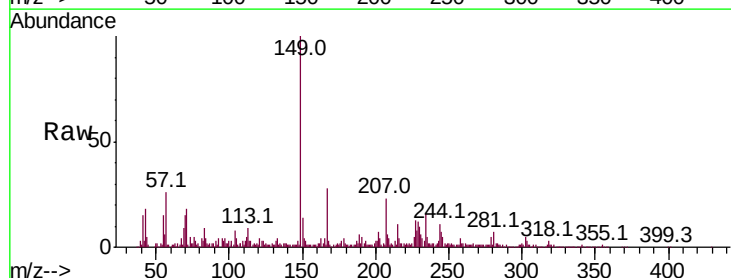
Delta R.T. -0.00 min

Lab File: BM020782.D

Acq: 07 Jun 2019 02:26

Tgt Ion:149 Resp: 251407

Ion	Ratio	Lower	Upper
149	100		
167	27.5	21.9	32.9
279	4.8	4.1	6.1

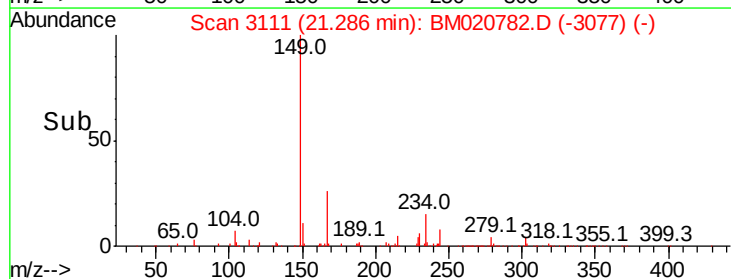
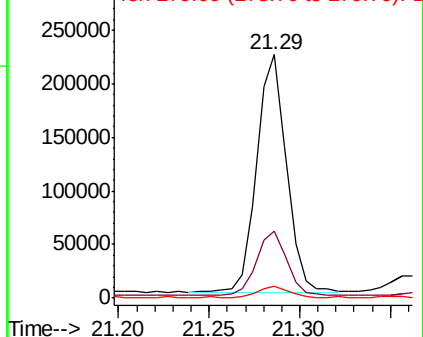


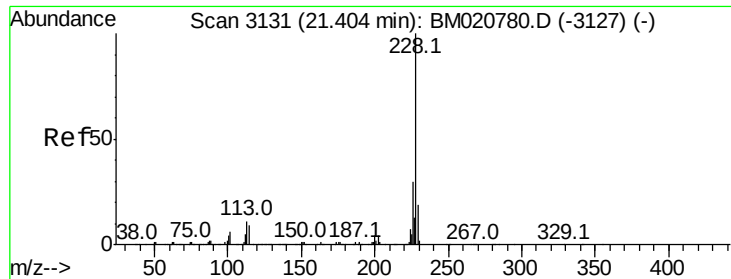
Abundance

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

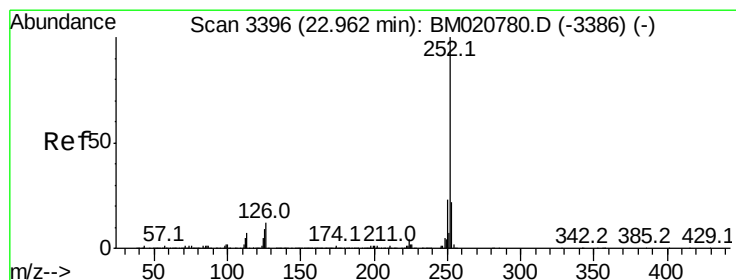
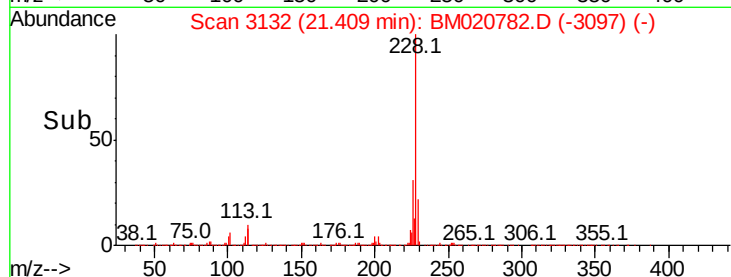
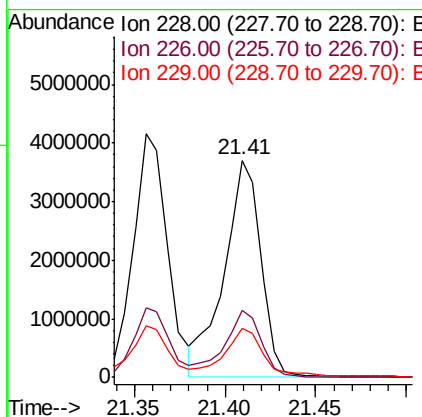
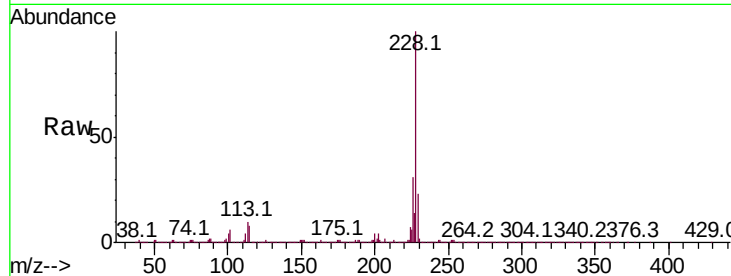




#84
 Chrysene
 Concen: 62.910 ng/ul
 RT: 21.41 min Scan# 3132
 Delta R.T. 0.01 min
 Lab File: BM020782.D
 Acq: 07 Jun 2019 02:26

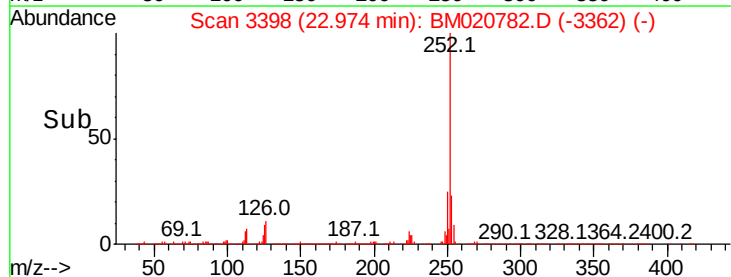
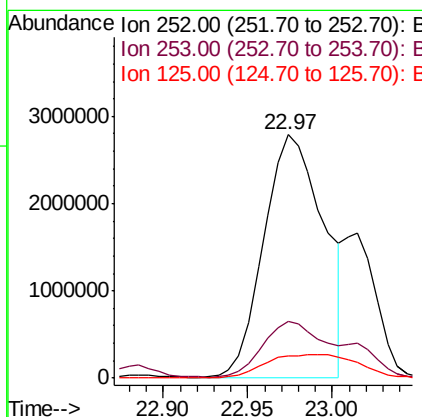
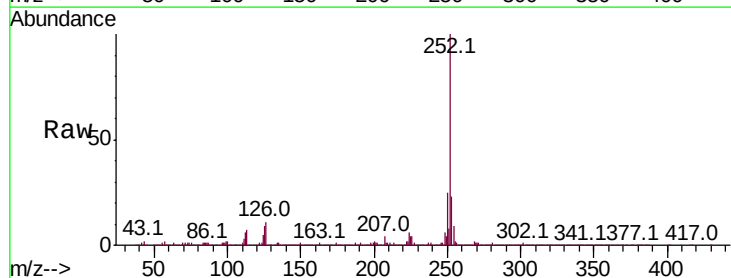
Instrument :
 BNA_M
 ClientSampleId :

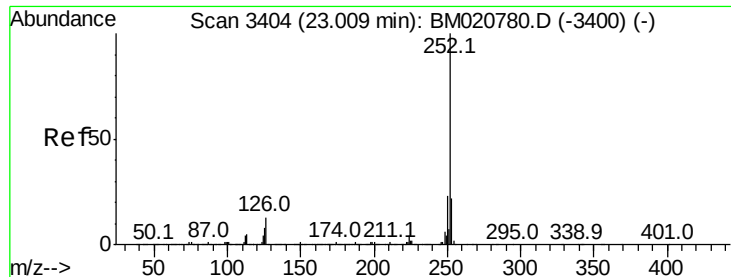
Tot Ion:228 Resp: 5202148
 Ion Ratio Lower Upper
 228 100
 226 30.7 24.4 36.6
 229 22.9 16.2 24.2



#87
 Benzo(b)fluoranthene
 Concen: 71.658 ng/ul
 RT: 22.97 min Scan# 3398
 Delta R.T. 0.01 min
 Lab File: BM020782.D
 Acq: 07 Jun 2019 02:26

Tgt Ion:252 Resp: 6860683
 Ion Ratio Lower Upper
 252 100
 253 23.4 17.6 26.4
 125 9.3 7.3 10.9





#88

Benzo(k)fluoranthene

Concen: 74.970 ng/ul

RT: 22.97 min Scan# 3398

Delta R.T. -0.04 min

Lab File: BM020782.D

Acq: 07 Jun 2019 02:26

Instrument :

BNA_M

ClientSampleId :

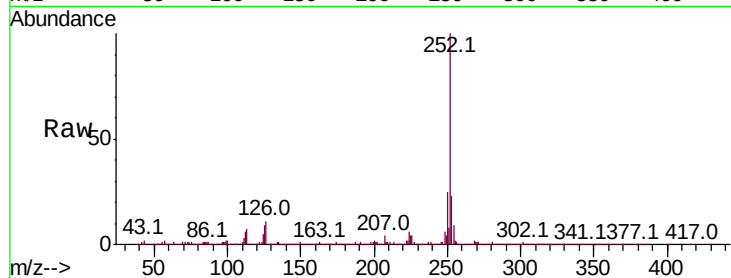
Tot Ion:252 Resp: 6860683

Ion Ratio Lower Upper

252 100

253 23.4 17.6 26.4

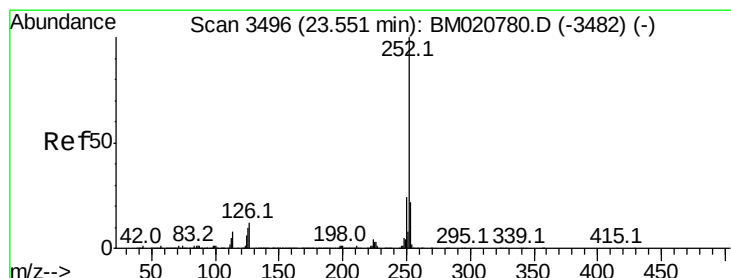
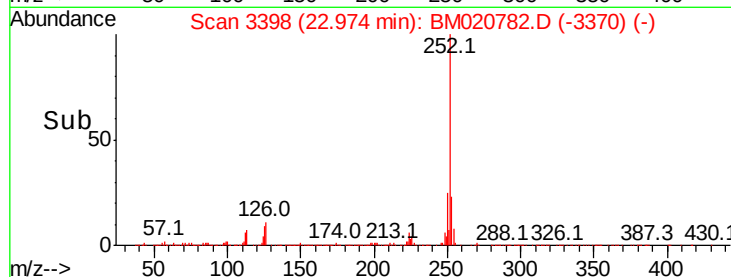
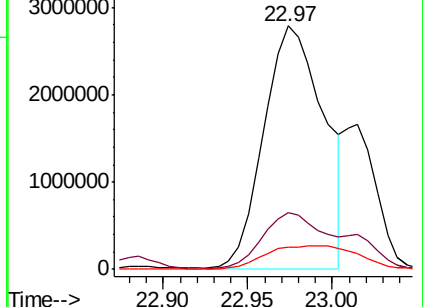
125 9.3 7.3 10.9



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: 51.186 ng/ul

RT: 23.56 min Scan# 3498

Delta R.T. 0.01 min

Lab File: BM020782.D

Acq: 07 Jun 2019 02:26

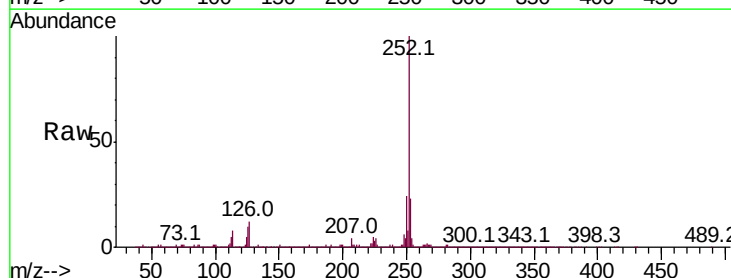
Tgt Ion:252 Resp: 4662362

Ion Ratio Lower Upper

252 100

253 22.8 17.0 25.6

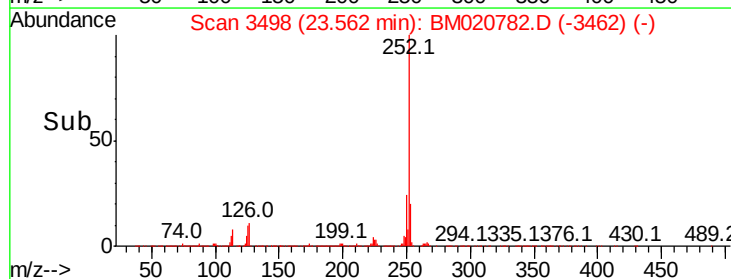
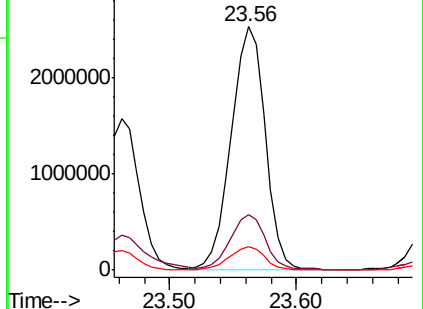
125 9.9 8.2 12.4

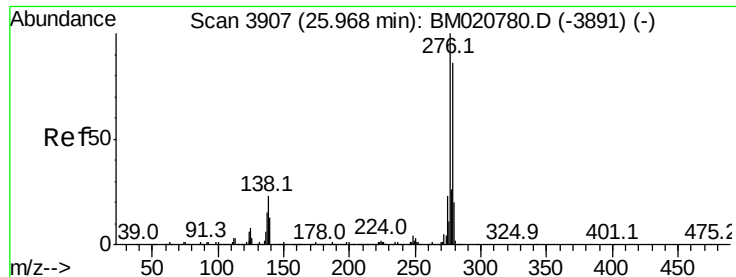


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

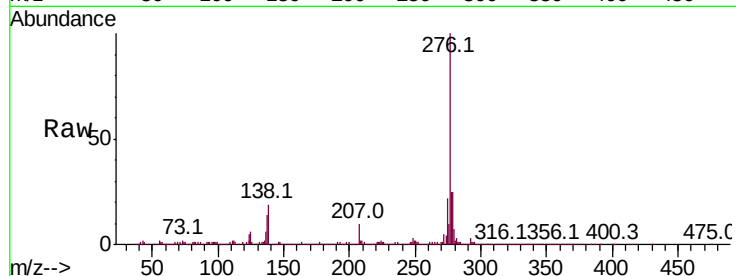




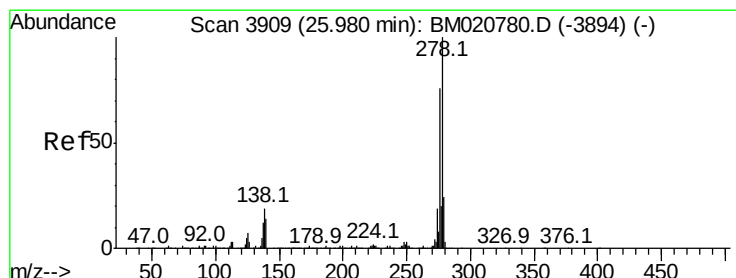
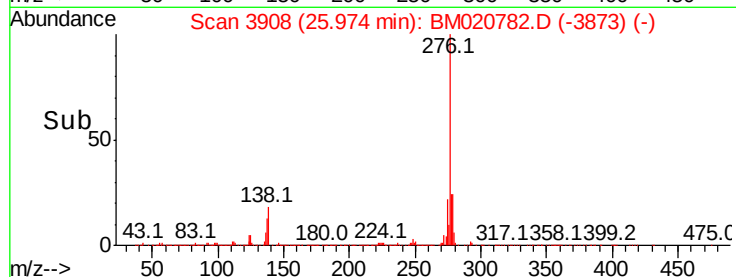
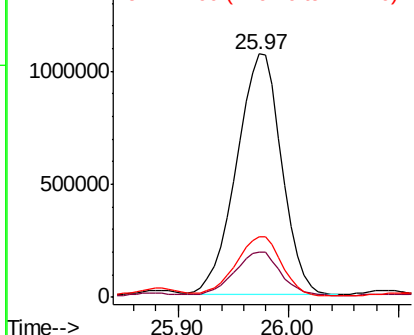
#91
Indeno(1,2,3-cd)pyrene
Concen: 28.429 ng/ul
RT: 25.97 min Scan# 3908
Delta R.T. 0.01 min
Lab File: BM020782.D
Acq: 07 Jun 2019 02:26

Instrument :
BNA_M
ClientSampleId :

Tot Ion:276 Resp: 3058422
Ion Ratio Lower Upper
276 100
138 18.7 17.8 26.8
277 24.9 20.0 30.0

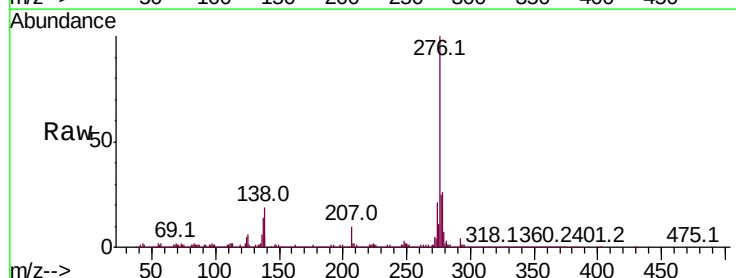


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

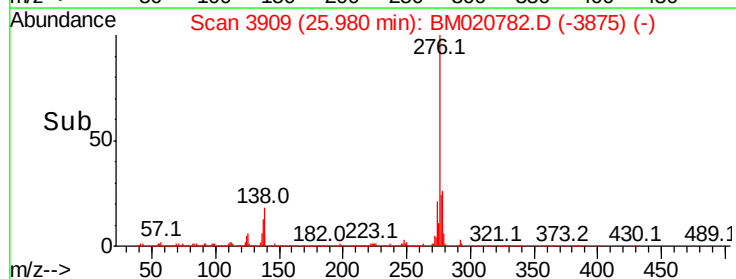
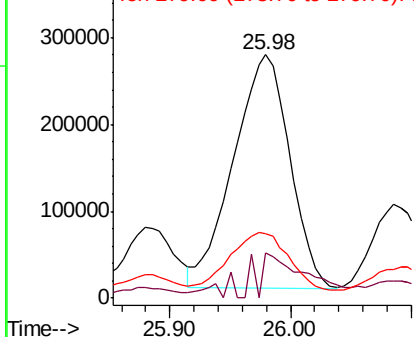


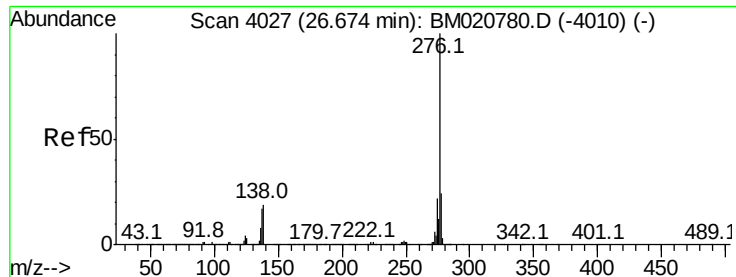
#92
Dibenzo(a,h)anthracene
Concen: 9.519 ng/ul
RT: 25.98 min Scan# 3909
Delta R.T. -0.00 min
Lab File: BM020782.D
Acq: 07 Jun 2019 02:26

Tgt Ion:278 Resp: 867761
Ion Ratio Lower Upper
278 100
139 18.3 11.6 17.4#
279 26.6 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(a,h,i)perylene

Concen: 26.890 ng/ul

RT: 26.69 min Scan# 4030

Delta R.T. 0.02 min

Lab File: BM020782.D

Acq: 07 Jun 2019 02:26

Instrument :

BNA_M

ClientSampleId :

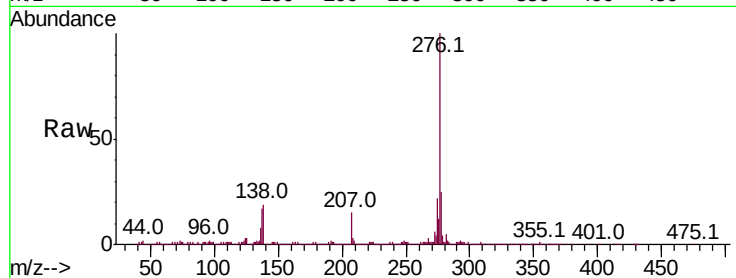
Tot Ion:276 Resp: 2346950

Ion Ratio Lower Upper

276 100

138 18.6 16.6 25.0

277 24.8 19.6 29.4



Abundance Ion 276.00 (275.70 to 276.70): E

1000000 Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

