

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
 Data File : BM020788.D
 Acq On : 07 Jun 2019 06:02
 Operator : HP/JU
 Sample : K3201-07
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jun 07 06:40:56 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	337566	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	1351162	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	761264	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.20	188	1631705	20.00	ng/ul	0.00
77) Chrysene-d12	21.38	240	1624707	20.00	ng/ul	0.01
85) Perylene-d12	23.67	264	1897033	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.31	96	46056	6.50	ng/uL	0.00
5) Phenol-d5	6.97	99	715077	27.69	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	547128	35.33	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	692947	33.68	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	369672	17.79	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	369460	40.06	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	414152	43.63	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	706959	35.70	ng/ul	0.00
29) 4-Chloroaniline-d4	10.75	131	598043	25.08	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	2241857	39.81	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	2786234	39.02	ng/ul	0.00
51) 4-Nitrophenol-d4	14.65	143	260299	26.94	ng/ul	0.00
57) Fluorene-d10	15.44	176	1862122	38.91	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.57	200	149457	17.91	ng/ul	0.00
70) Anthracene-d10	17.30	188	2779583	39.00	ng/ul	0.00
78) Pyrene-d10	19.59	212	2944538	37.49	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.53	264	3205360	37.18	ng/ul	0.02

Target Compounds

					Ovalue
6) Phenol	7.00	94	31481	1.184	ng/ul 99
14) Acetophenone	8.64	105	35935	1.119	ng/ul 99
28) Naphthalene	10.65	128	414640	6.534	ng/ul 99
34) 2-Methylnaphthalene	12.26	142	251966	5.406	ng/ul 98
40) 1,1'-Biphenyl	13.28	154	110578	1.872	ng/ul 96
44) Dimethylphthalate	13.91	163	1003370	17.795	ng/ul 100
47) Acenaphthylene	14.17	152	317466	4.596	ng/ul# 96
49) Acenaphthene	14.52	153	1284733	26.642	ng/ul 99
53) Dibenzofuran	14.85	168	1054675	15.462	ng/ul 99
58) Fluorene	15.50	166	1242632	22.692	ng/ul 99
60) 4-Nitroaniline	15.50	138	15305	1.324	ng/ul# 19
69) Phenanthrene	17.33	178	4370731	53.224	ng/ul 100
71) Anthracene	17.33	178	4370731	51.924	ng/ul 100
74) Carbazole	17.60	167	1686354	23.037	ng/ul 99
76) Fluoranthene	19.40	202	111795	1.188	ng/ul 97
79) Pyrene	19.62	202	15032839	149.893	ng/ul# 94
82) Benzo(a)anthracene	21.36	228	9450962	93.249	ng/ul 94
83) Bis(2-ethylhexyl)phthalate	21.28	149	92871	1.347	ng/ul 93
84) Chrysene	21.36	228	9632942	102.429	ng/ul 97
87) Benzo(b)fluoranthene	22.99	252	9666375	87.592	ng/ul 97
88) Benzo(k)fluoranthene	22.99	252	9666375	91.641	ng/ul 97
90) Benzo(a)pyrene	23.57	252	7569819	72.100	ng/ul 96
91) Indeno(1,2,3-cd)pyrene	25.99	276	4353564	35.108	ng/ul 97

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QLast Update : Fri Jun 07 06:35:27 2019
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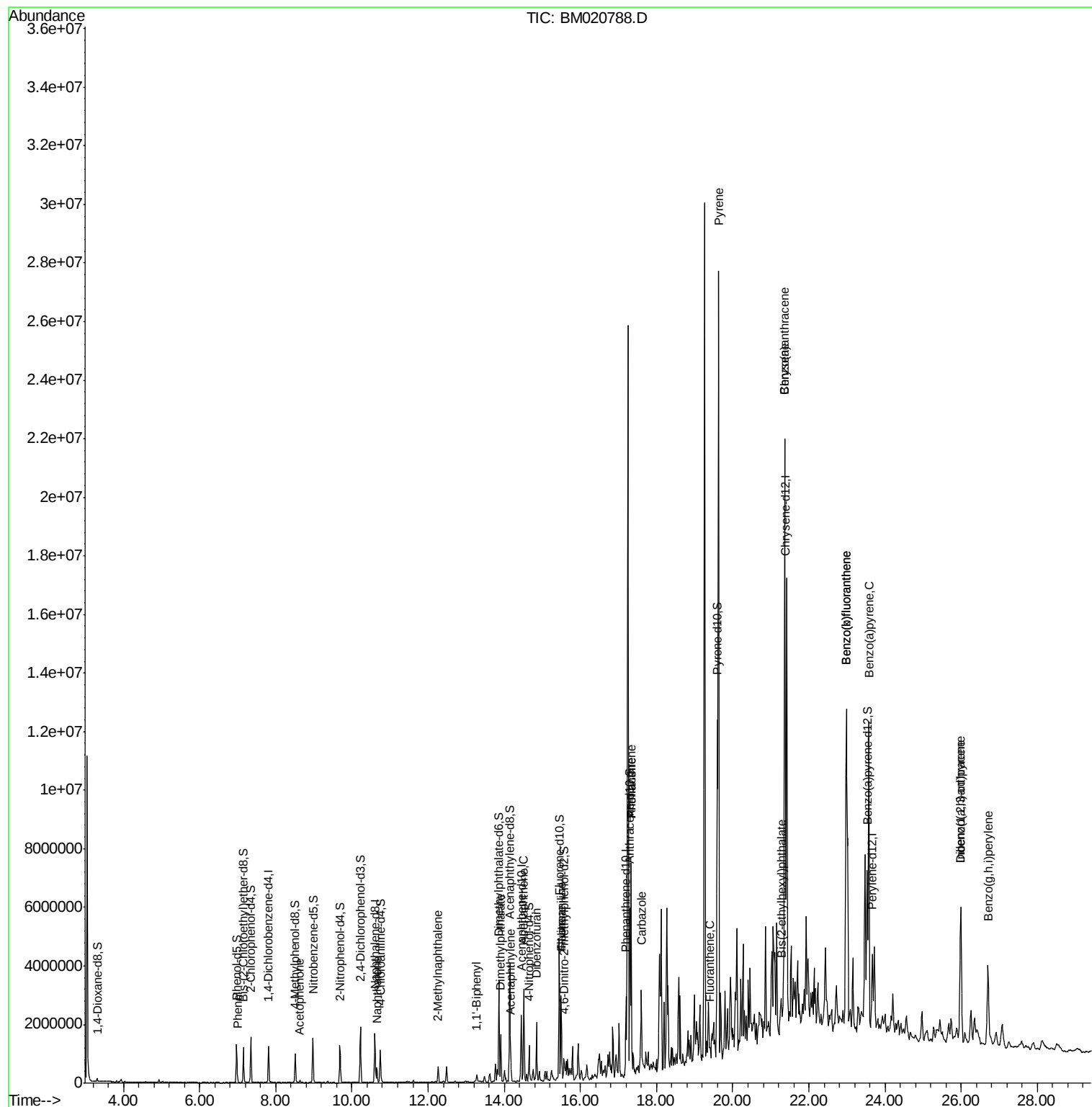
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) Dibenzo(a,h)anthracene	25.99	278	1303312	12.404	ng/ul#	92
93) Benzo(g,h,i)perylene	26.70	276	3309277	32.894	ng/ul	98

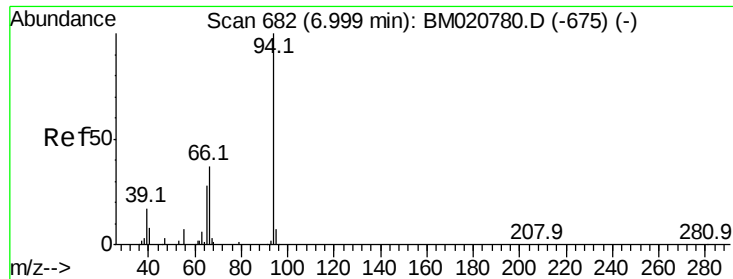
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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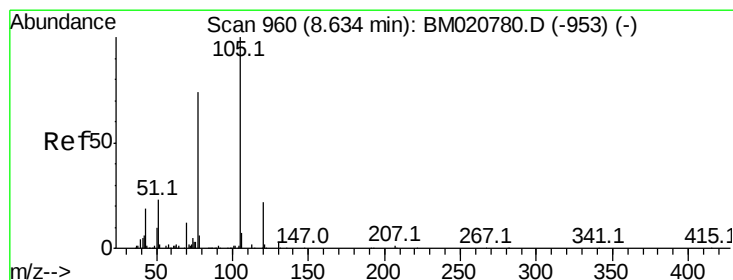
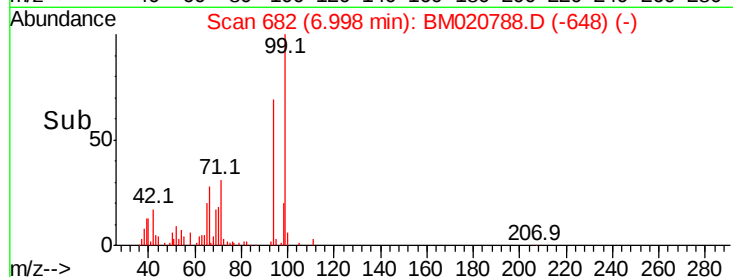
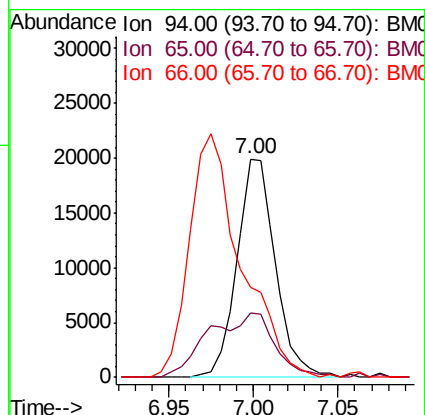
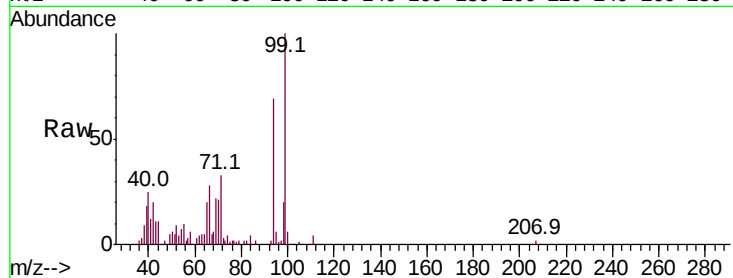
#6

Phenol

Concen: 1.184 ng/ul
 RT: 7.00 min Scan# 682
 Delta R.T. -0.00 min
 Lab File: BM020788.D
 Acq: 07 Jun 2019 06:02

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion: 94 Resp: 31481
 Ion Ratio Lower Upper
 94 100
 65 29.8 23.3 34.9
 66 41.0 32.1 48.1

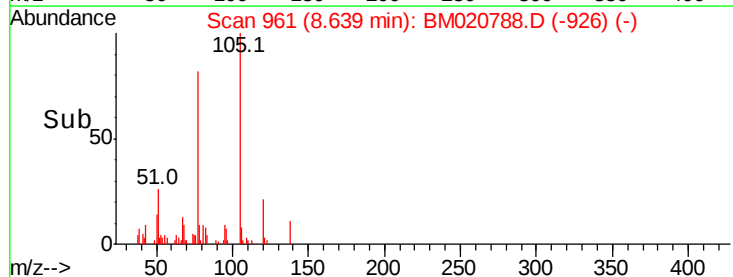
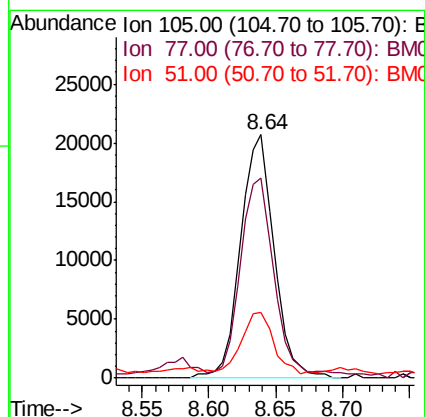
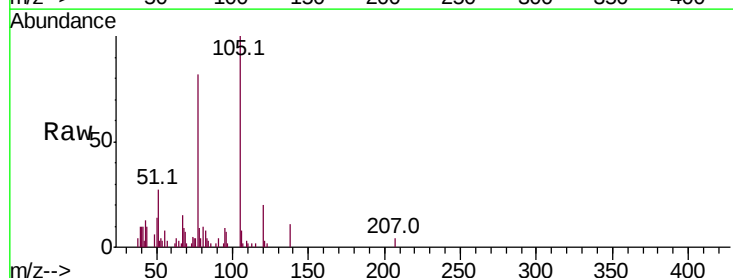


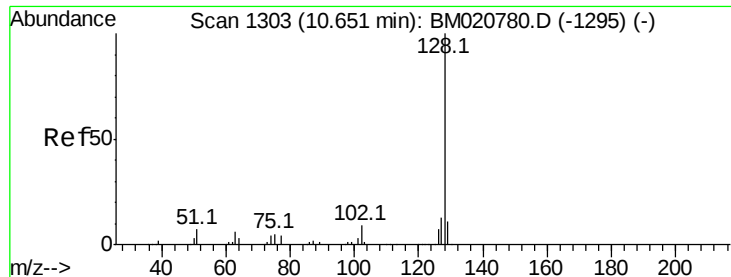
#14

Acetophenone

Concen: 1.119 ng/ul
 RT: 8.64 min Scan# 961
 Delta R.T. 0.01 min
 Lab File: BM020788.D
 Acq: 07 Jun 2019 06:02

Tgt Ion: 105 Resp: 35935
 Ion Ratio Lower Upper
 105 100
 77 82.1 64.6 97.0
 51 27.2 21.4 32.2





#28

Naphthalene

Concen: 6.534 ng/ul

RT: 10.65 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BM020788.D

Acq: 07 Jun 2019 06:02

Instrument :

BNA_M

ClientSampleId :

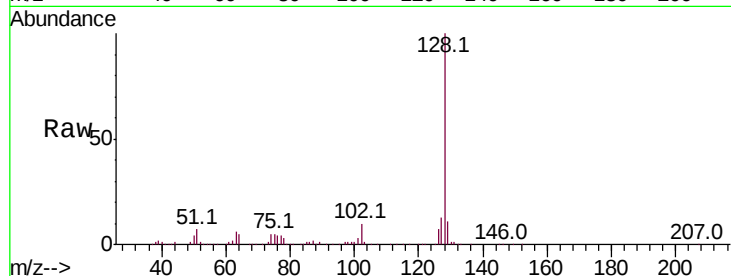
Tot Ion:128 Resp: 414640

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

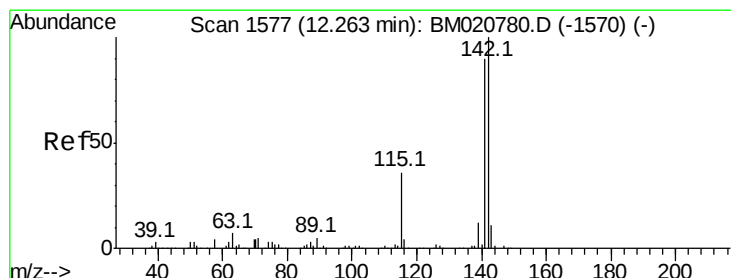
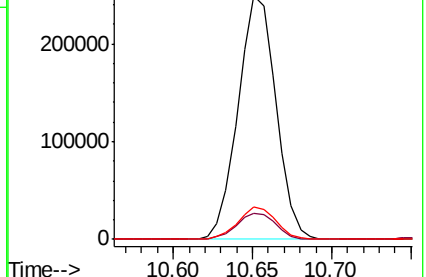
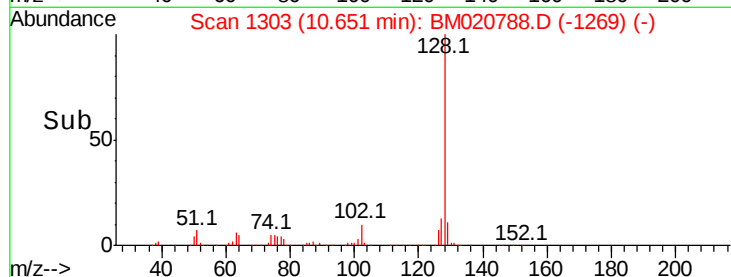
127 13.1 10.2 15.2



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: 5.406 ng/ul

RT: 12.26 min Scan# 1577

Delta R.T. -0.00 min

Lab File: BM020788.D

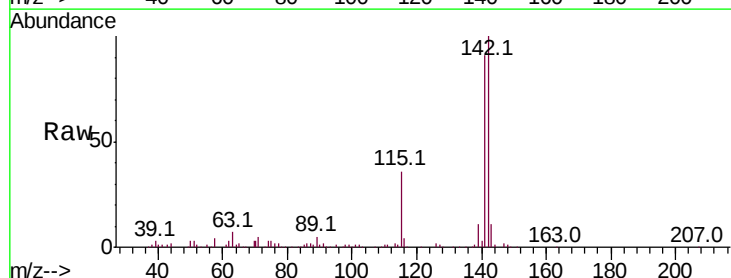
Acq: 07 Jun 2019 06:02

Tgt Ion:142 Resp: 251966

Ion Ratio Lower Upper

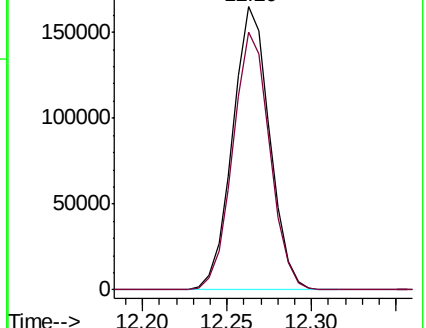
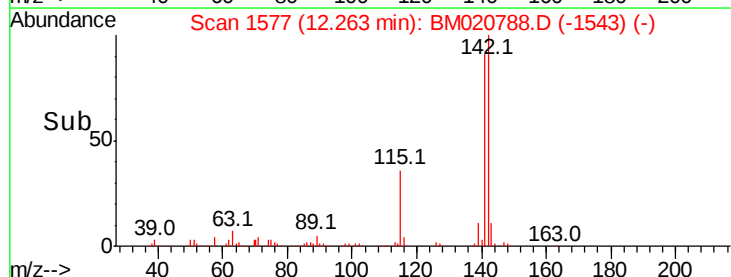
142 100

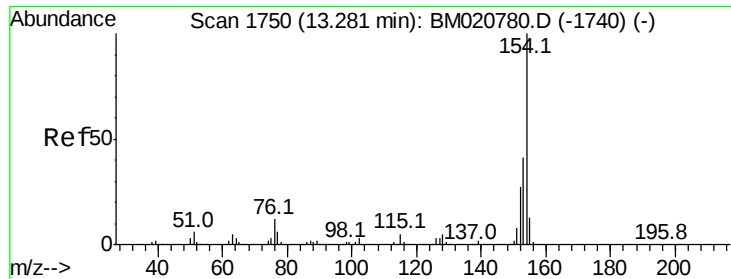
141 91.0 71.4 107.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



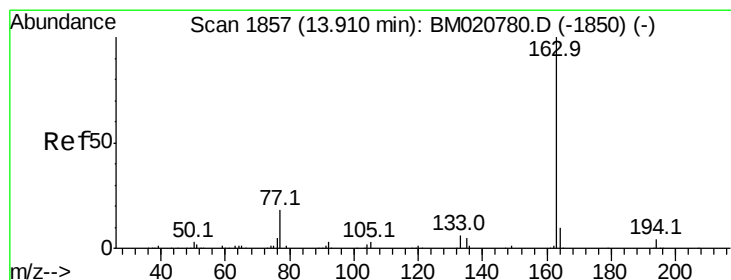
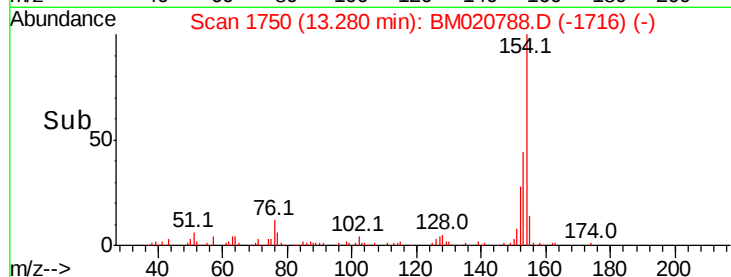
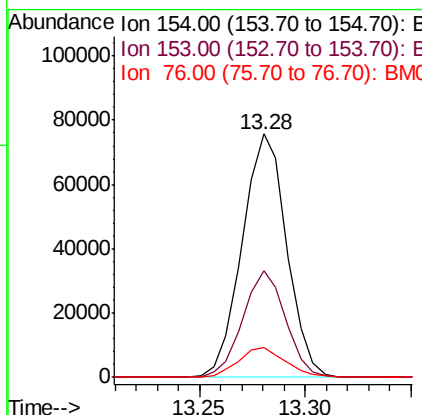
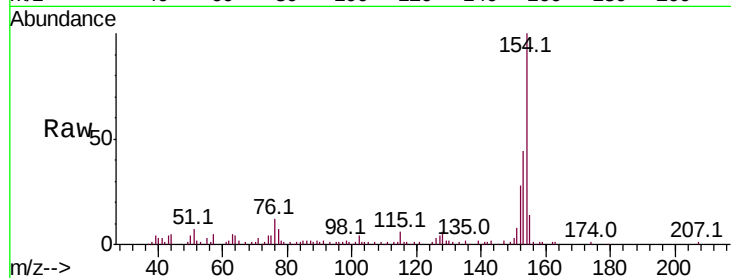


#40
 1,1'-Biphenyl
 Concen: 1.872 ng/ul
 RT: 13.28 min Scan# 1750
 Delta R.T. -0.00 min
 Lab File: BM020788.D
 Acq: 07 Jun 2019 06:02

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:154 Resp: 110578

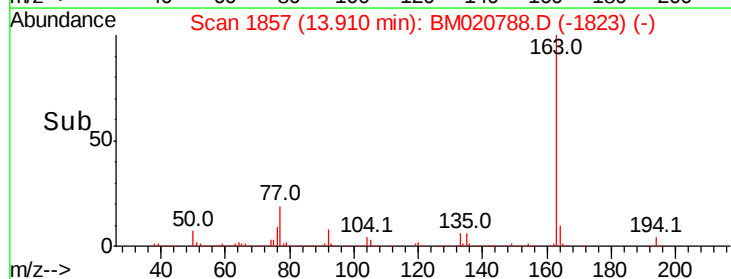
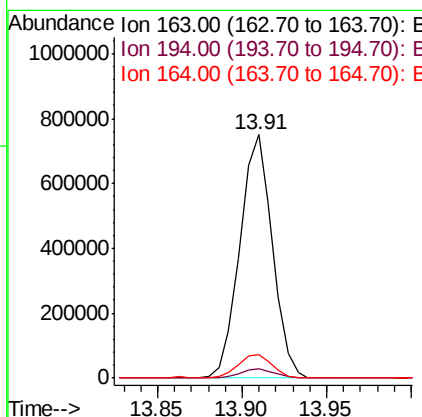
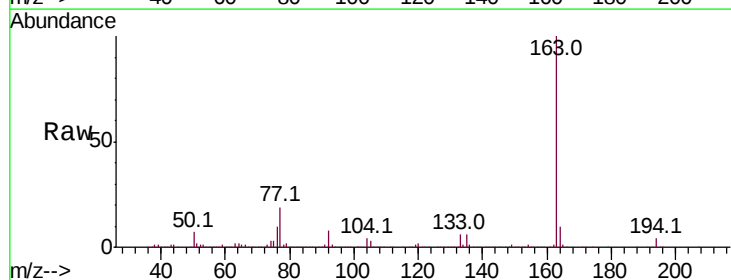
Ion	Ratio	Lower	Upper
154	100		
153	43.7	32.4	48.6
76	12.3	9.8	14.6

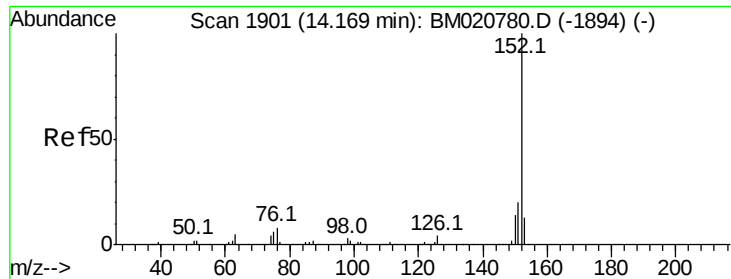


#44
 Dimethylphthalate
 Concen: 17.795 ng/ul
 RT: 13.91 min Scan# 1857
 Delta R.T. -0.00 min
 Lab File: BM020788.D
 Acq: 07 Jun 2019 06:02

Tgt Ion:163 Resp: 1003370

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	9.8	8.0	12.0

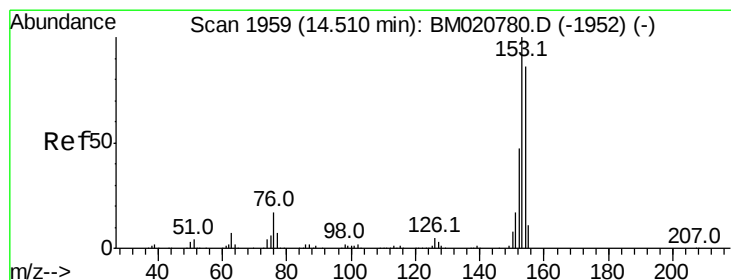
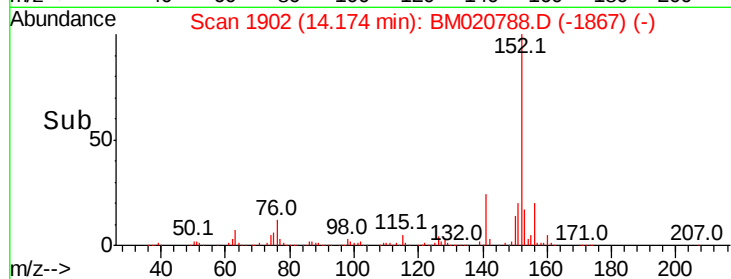
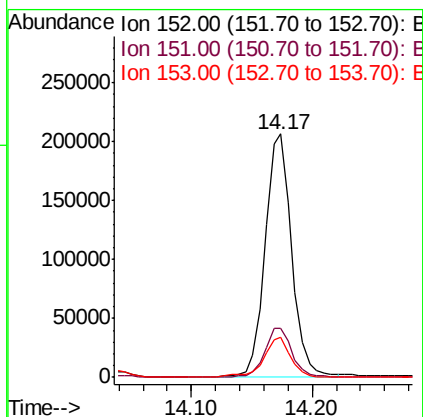
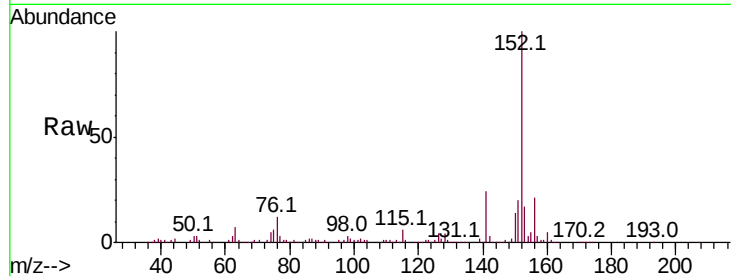




#47
Acenaphthylene
Concen: 4.596 ng/ul
RT: 14.17 min Scan# 1902
Delta R.T. 0.01 min
Lab File: BM020788.D
Acq: 07 Jun 2019 06:02

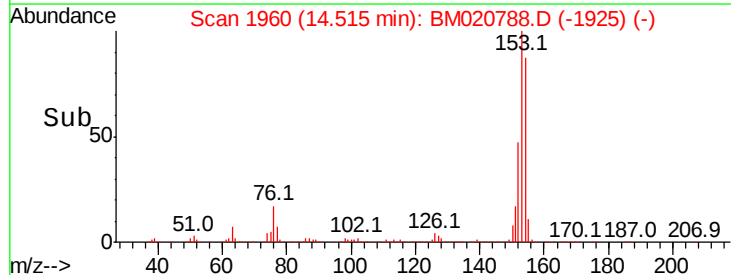
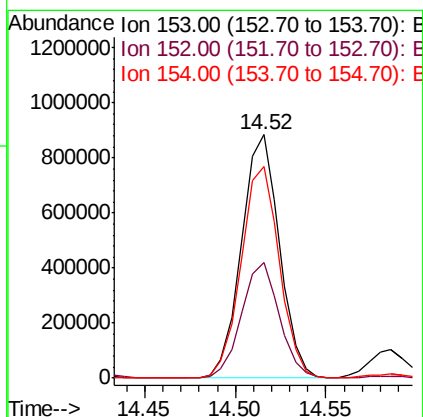
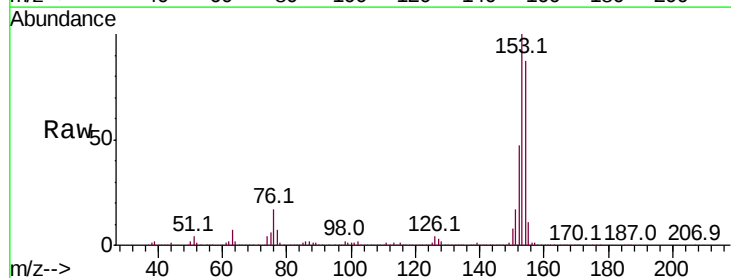
Instrument :
BNA_M
ClientSampled :

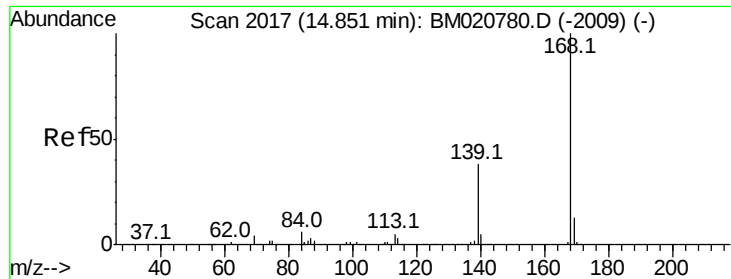
Tot Ion:152 Resp: 317466
Ion Ratio Lower Upper
152 100
151 20.0 16.2 24.2
153 16.6 10.6 15.8#



#49
Acenaphthene
Concen: 26.642 ng/ul
RT: 14.52 min Scan# 1960
Delta R.T. 0.01 min
Lab File: BM020788.D
Acq: 07 Jun 2019 06:02

Tgt Ion:153 Resp: 1284733
Ion Ratio Lower Upper
153 100
152 47.2 37.3 55.9
154 86.9 68.7 103.1





#53

Dibenzenofuran

Concen: 15.462 ng/ul

RT: 14.85 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BM020788.D

Acq: 07 Jun 2019 06:02

Instrument :

BNA_M

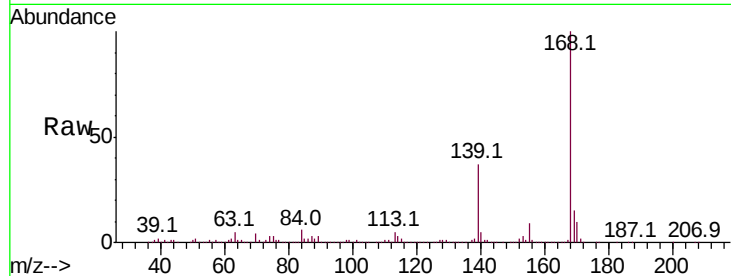
ClientSampleId :

Tot Ion:168 Resp: 1054675

Ion Ratio Lower Upper

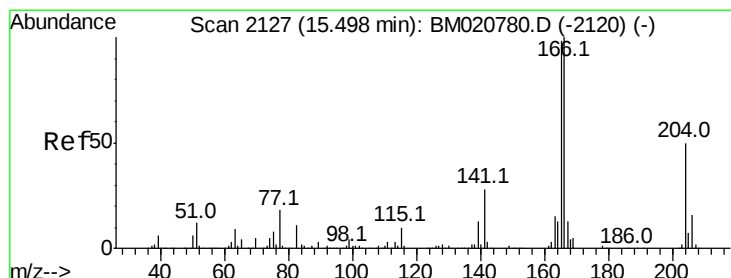
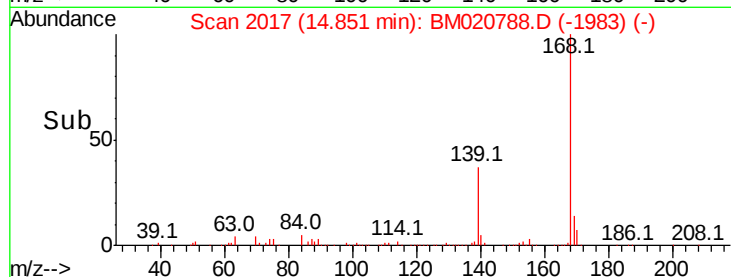
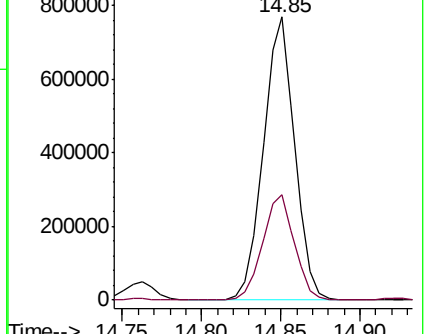
168 100

139 37.4 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: 22.692 ng/ul

RT: 15.50 min Scan# 2127

Delta R.T. -0.00 min

Lab File: BM020788.D

Acq: 07 Jun 2019 06:02

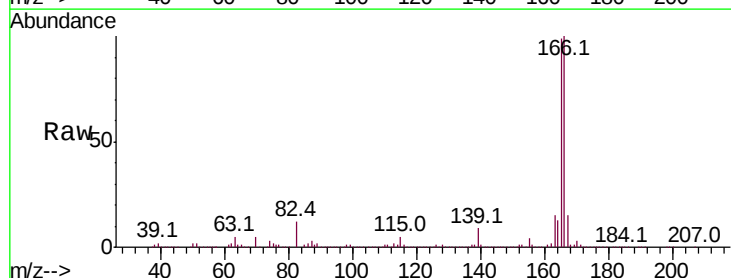
Tgt Ion:166 Resp: 1242632

Ion Ratio Lower Upper

166 100

165 98.8 78.6 117.8

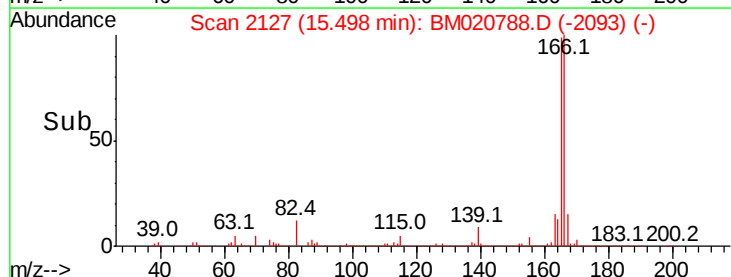
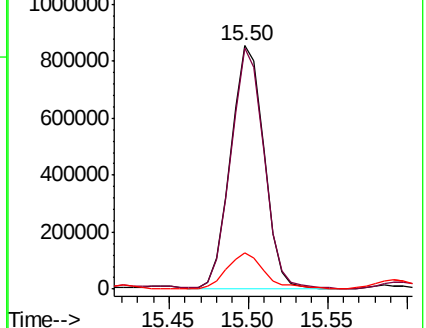
167 14.8 10.8 16.2

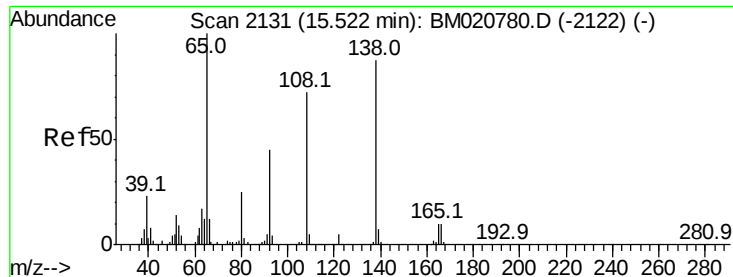


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

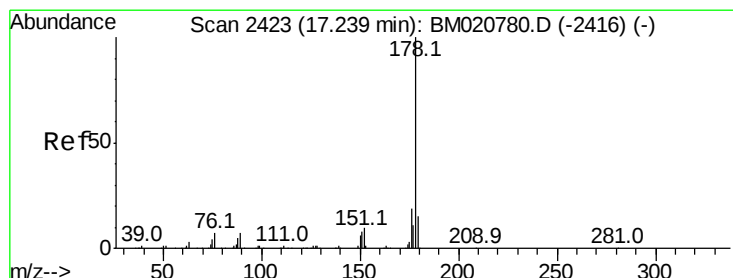
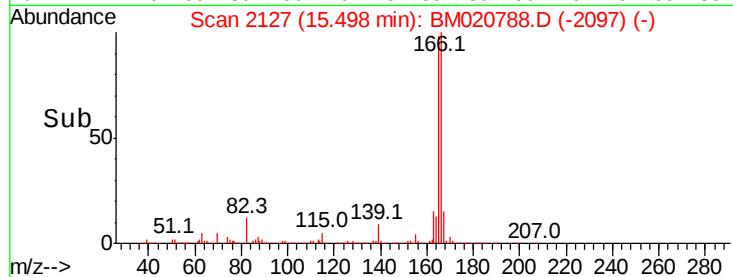
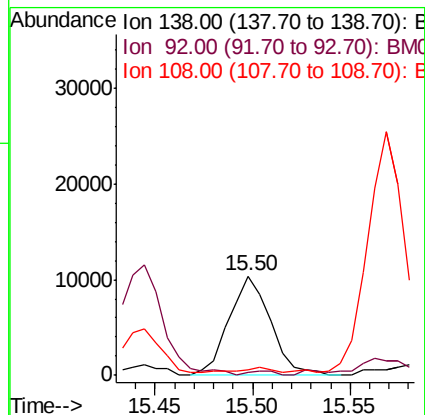
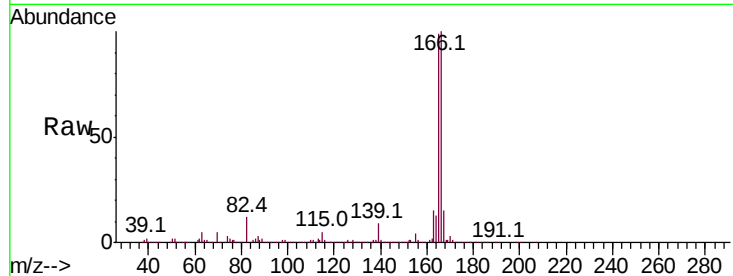




#60
4-Nitroaniline
Concen: 1.324 ng/ul
RT: 15.50 min Scan# 2127
Delta R.T. -0.02 min
Lab File: BM020788.D
Acq: 07 Jun 2019 06:02

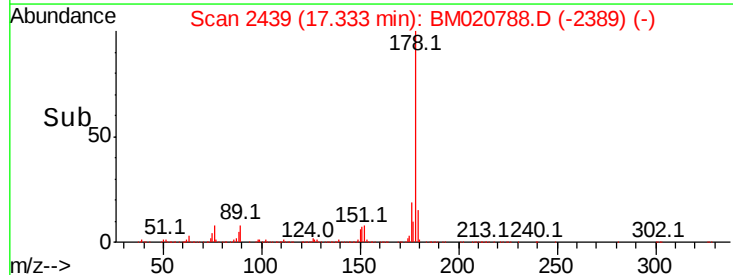
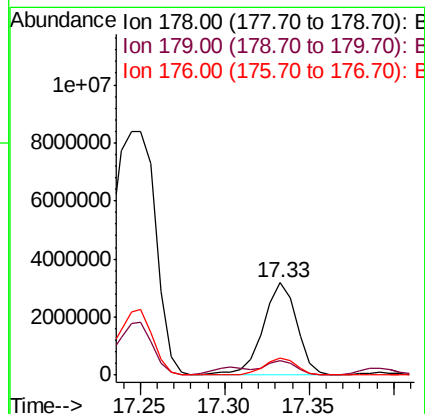
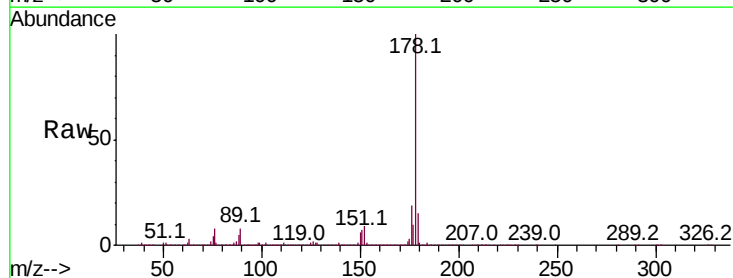
Instrument :
BNA_M
ClientSampleId :

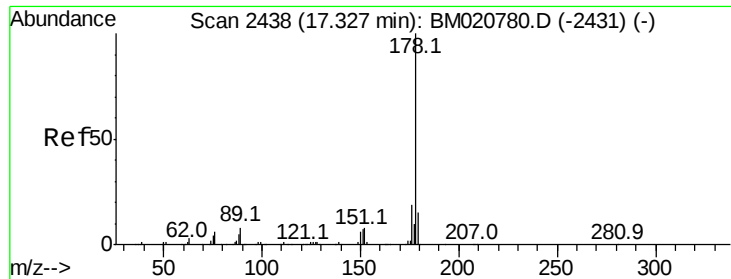
Tot Ion:138 Resp: 15305
Ion Ratio Lower Upper
138 100
92 3.4 43.6 65.4#
108 5.3 67.8 101.6#



#69
Phenanthrene
Concen: 53.224 ng/ul
RT: 17.33 min Scan# 2439
Delta R.T. 0.09 min
Lab File: BM020788.D
Acq: 07 Jun 2019 06:02

Tgt Ion:178 Resp: 4370731
Ion Ratio Lower Upper
178 100
179 15.5 12.3 18.5
176 18.7 14.8 22.2

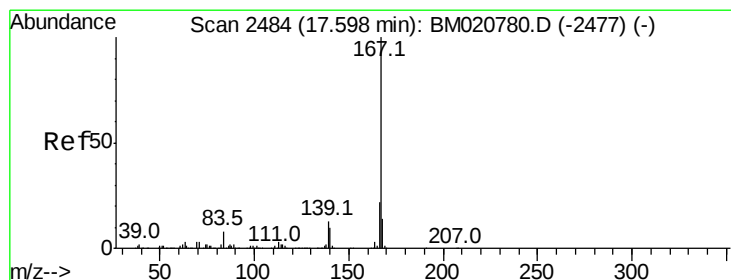
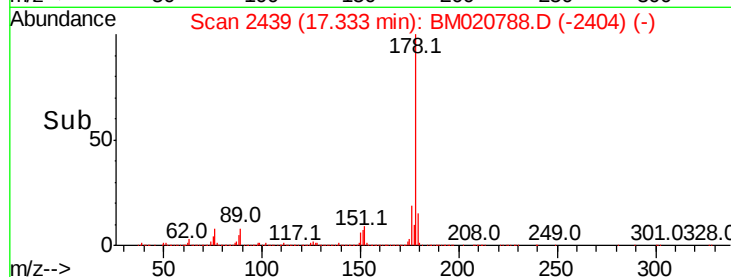
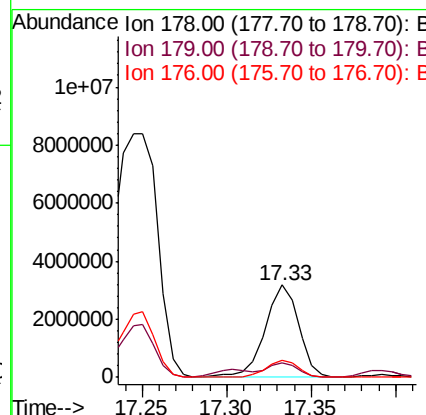
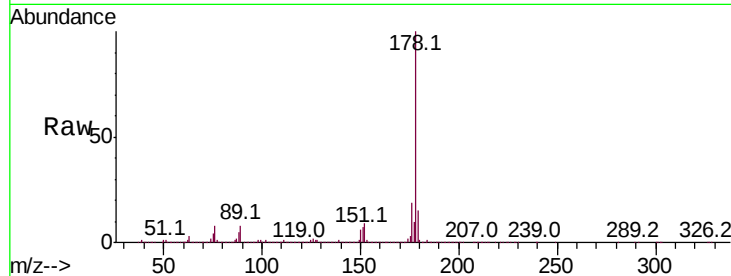




#71
 Anthracene
 Concen: 51.924 ng/ul
 RT: 17.33 min Scan# 2439
 Delta R.T. 0.01 min
 Lab File: BM020788.D
 Acq: 07 Jun 2019 06:02

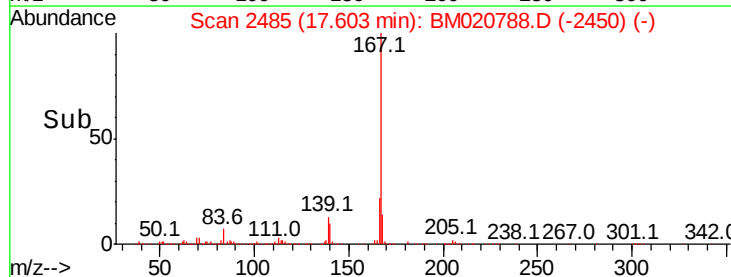
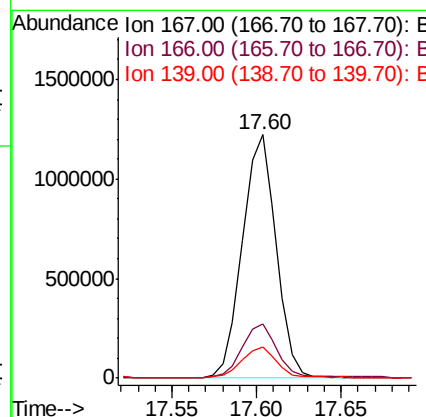
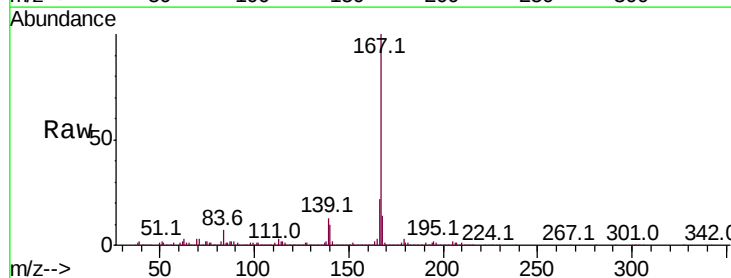
Instrument :
 BNA_M
 ClientSampleId :

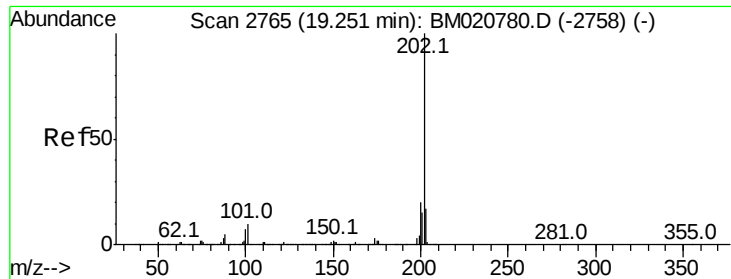
Tot Ion:178 Resp: 4370731
 Ion Ratio Lower Upper
 178 100
 179 15.5 12.1 18.1
 176 18.7 14.9 22.3



#74
 Carbazole
 Concen: 23.037 ng/ul
 RT: 17.60 min Scan# 2485
 Delta R.T. 0.01 min
 Lab File: BM020788.D
 Acq: 07 Jun 2019 06:02

Tgt Ion:167 Resp: 1686354
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.0 25.6
 139 12.9 10.5 15.7





#76

Fluoranthene

Concen: 1.188 ng/ul

RT: 19.40 min Scan# 2791

Delta R.T. 0.15 min

Lab File: BM020788.D

Acq: 07 Jun 2019 06:02

Instrument :

BNA_M

ClientSampleId :

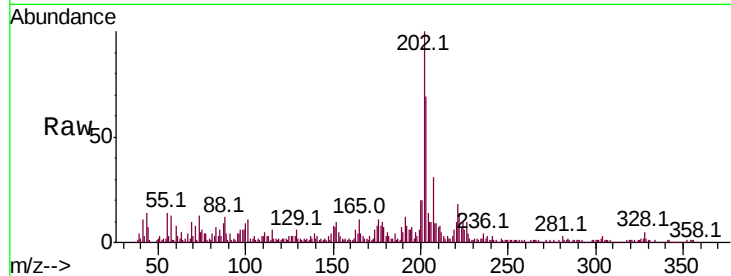
Tot Ion:202 Resp: 111795

Ion Ratio Lower Upper

202 100

101 10.9 7.9 11.9

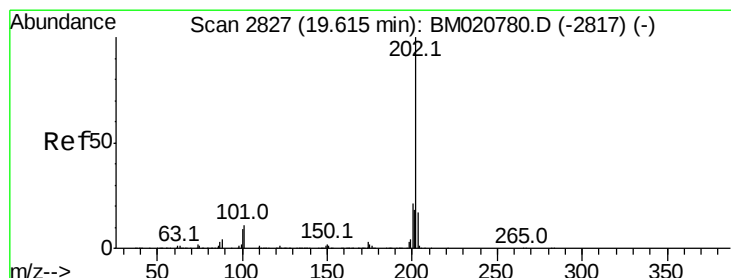
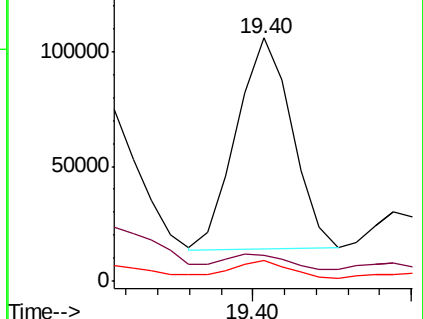
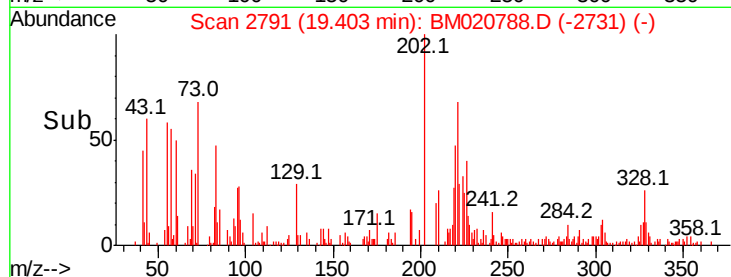
100 8.8 6.2 9.4



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: 149.893 ng/ul

RT: 19.62 min Scan# 2828

Delta R.T. 0.01 min

Lab File: BM020788.D

Acq: 07 Jun 2019 06:02

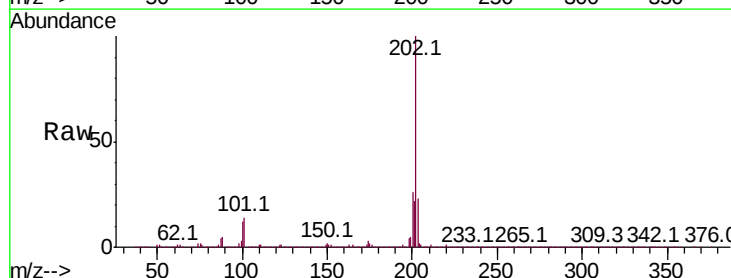
Tgt Ion:202 Resp:15032839

Ion Ratio Lower Upper

202 100

101 14.5 9.8 14.6

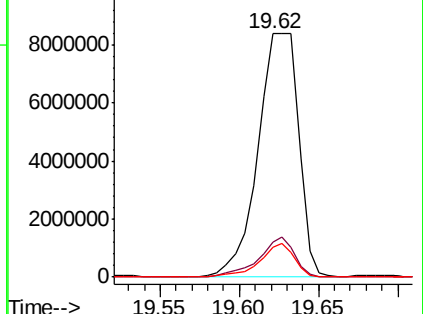
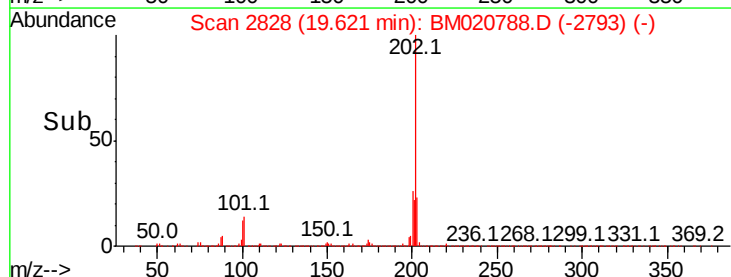
100 12.1 8.0 12.0#

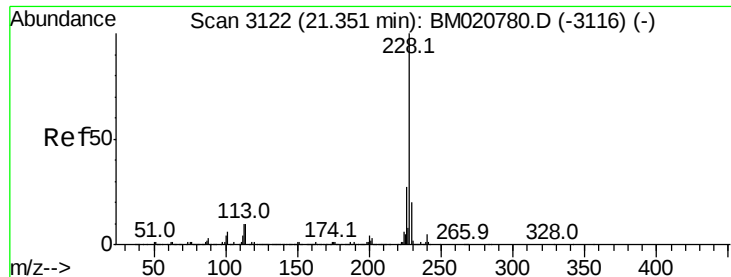


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 93.249 ng/ul

RT: 21.36 min Scan# 3124

Delta R.T. 0.01 min

Lab File: BM020788.D

Acq: 07 Jun 2019 06:02

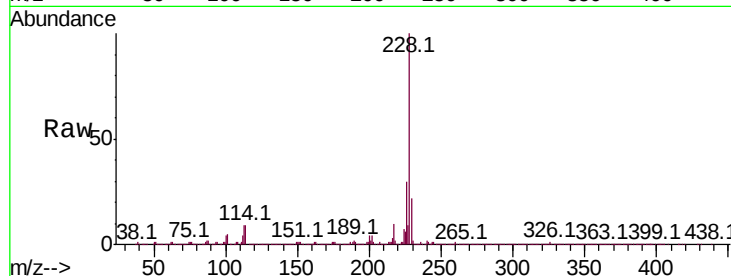
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 9450962

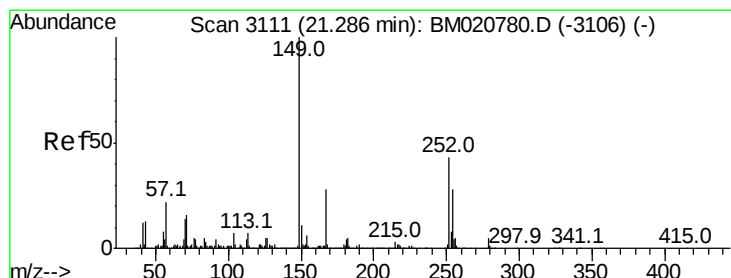
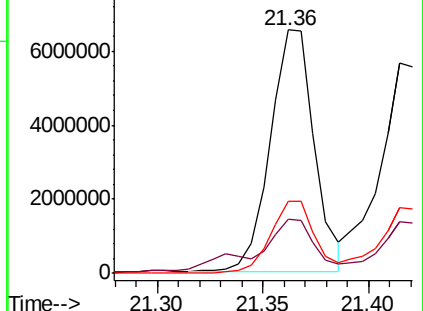
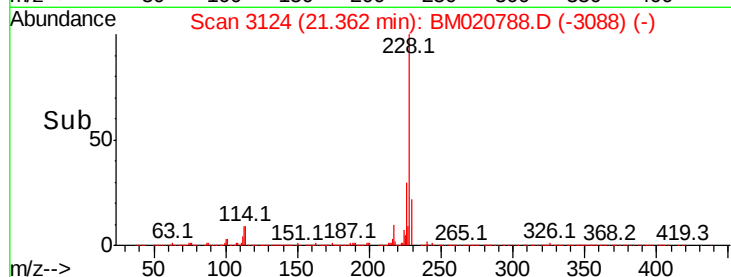
Ion	Ratio	Lower	Upper
228	100		
229	22.1	15.6	23.4
226	29.7	21.4	32.2



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: 1.347 ng/ul

RT: 21.28 min Scan# 3110

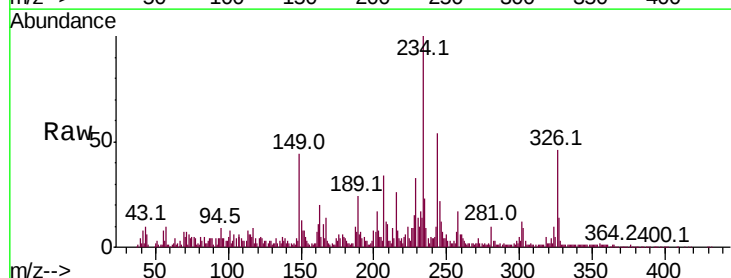
Delta R.T. -0.01 min

Lab File: BM020788.D

Acq: 07 Jun 2019 06:02

Tgt Ion:149 Resp: 92871

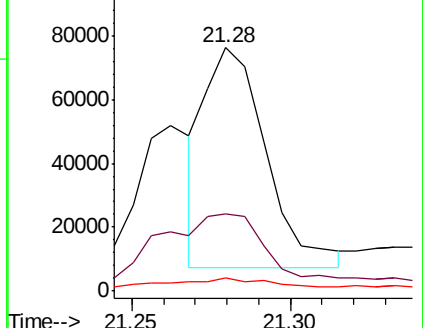
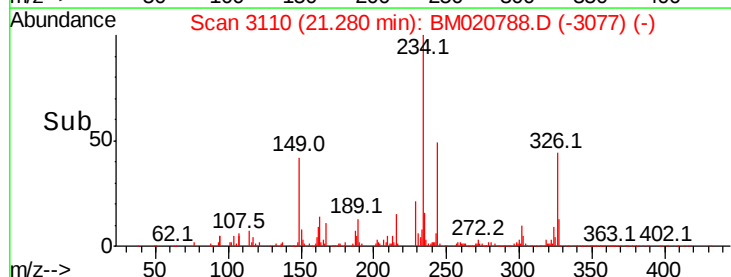
Ion	Ratio	Lower	Upper
149	100		
167	31.9	21.9	32.9
279	5.2	4.1	6.1

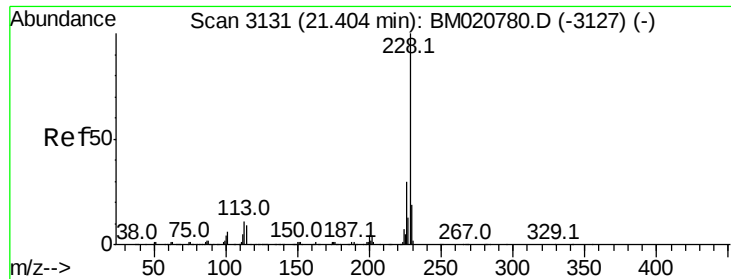


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Chrysene

Concen: 102.429 ng/ul

RT: 21.36 min Scan# 3124

Delta R.T. -0.04 min

Lab File: BM020788.D

Acq: 07 Jun 2019 06:02

Instrument :

BNA_M

ClientSampleId :

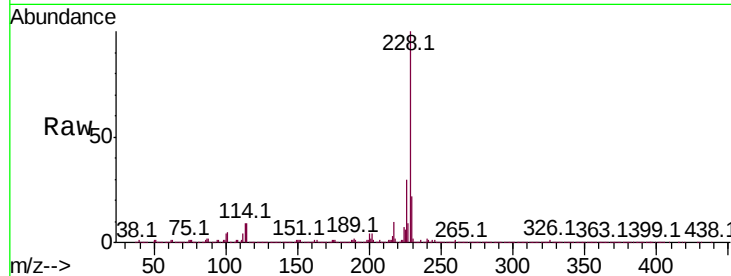
Tot Ion:228 Resp: 9632942

Ion Ratio Lower Upper

228 100

226 29.7 24.4 36.6

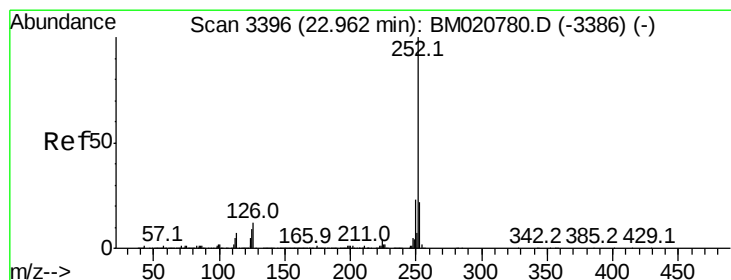
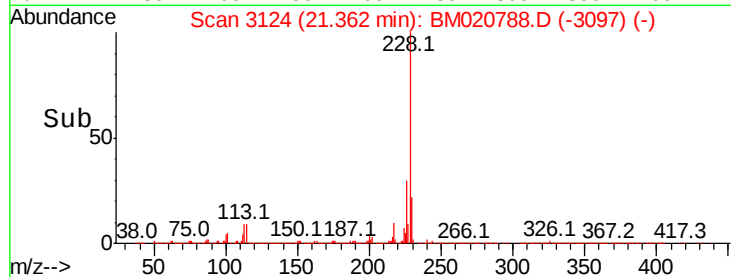
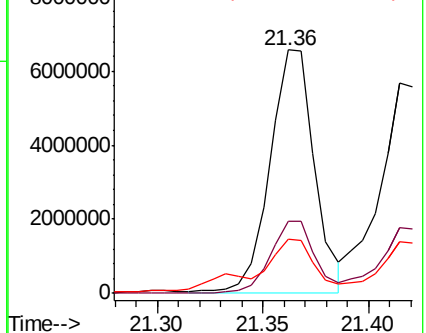
229 22.1 16.2 24.2



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: 87.592 ng/ul

RT: 22.99 min Scan# 3400

Delta R.T. 0.02 min

Lab File: BM020788.D

Acq: 07 Jun 2019 06:02

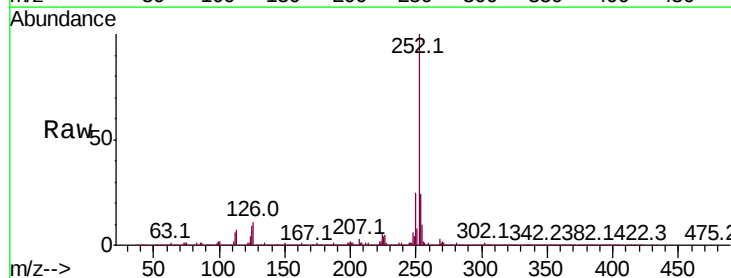
Tgt Ion:252 Resp: 9666375

Ion Ratio Lower Upper

252 100

253 23.7 17.6 26.4

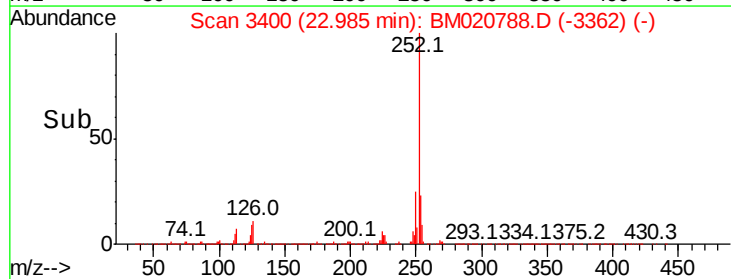
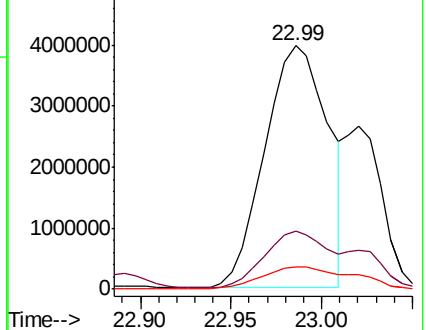
125 9.2 7.3 10.9

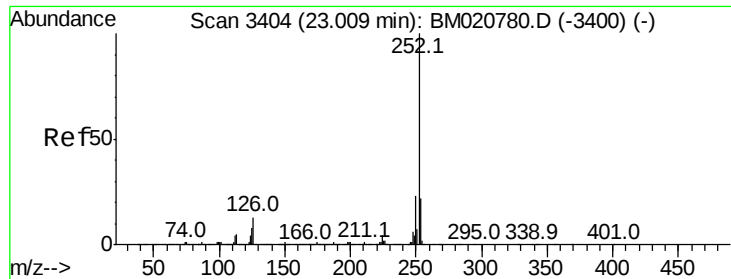


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

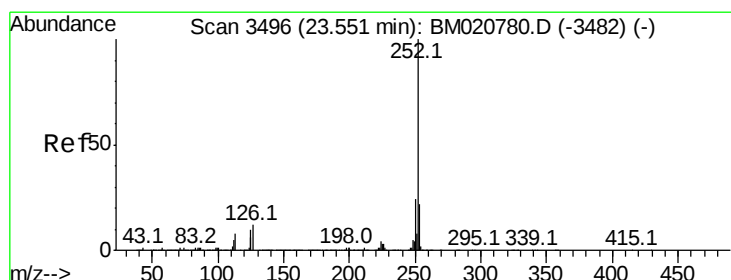
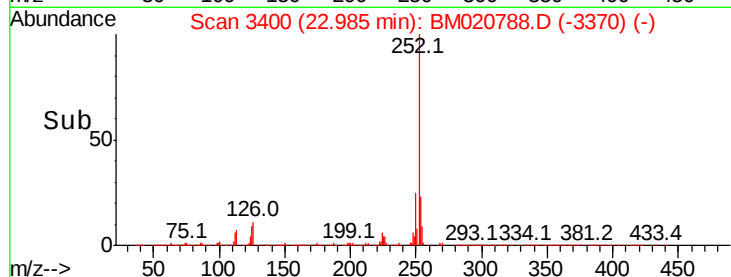
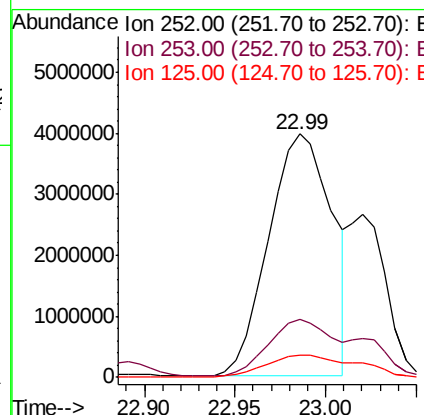
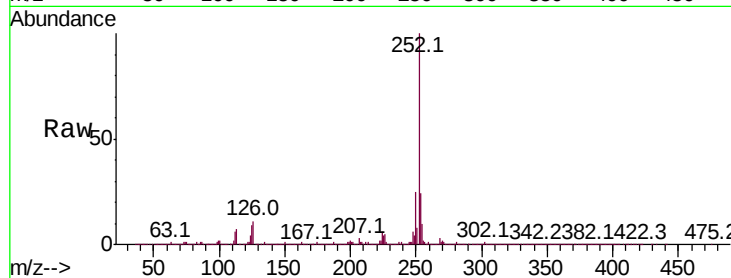




#88
Benzo(k)fluoranthene
Concen: 91.641 ng/ul
RT: 22.99 min Scan# 3400
Delta R.T. -0.02 min
Lab File: BM020788.D
Acq: 07 Jun 2019 06:02

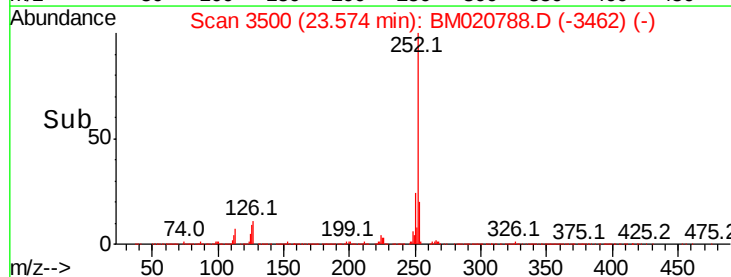
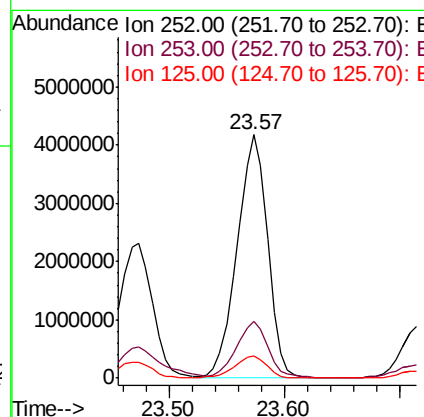
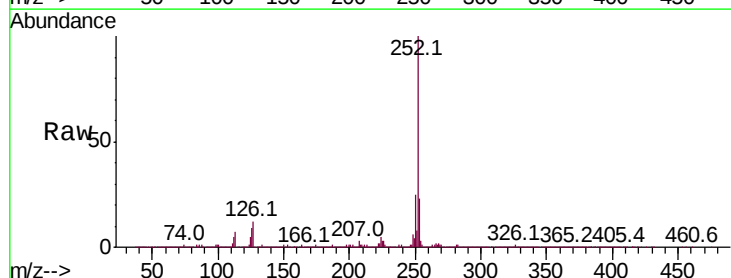
Instrument :
BNA_M
ClientSampleId :

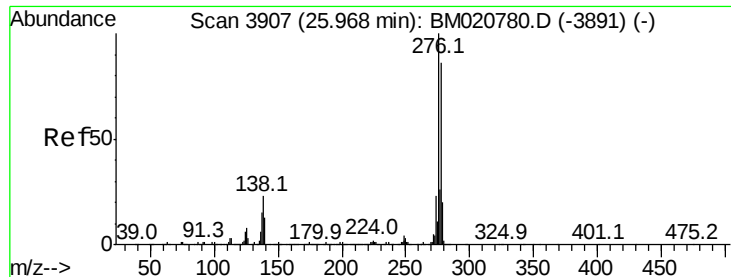
Tot Ion:252 Resp: 9666375
Ion Ratio Lower Upper
252 100
253 23.7 17.6 26.4
125 9.2 7.3 10.9



#90
Benzo(a)pyrene
Concen: 72.100 ng/ul
RT: 23.57 min Scan# 3500
Delta R.T. 0.02 min
Lab File: BM020788.D
Acq: 07 Jun 2019 06:02

Tgt Ion:252 Resp: 7569819
Ion Ratio Lower Upper
252 100
253 23.4 17.0 25.6
125 9.2 8.2 12.4



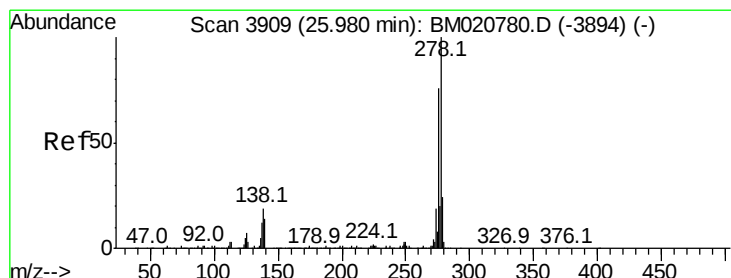
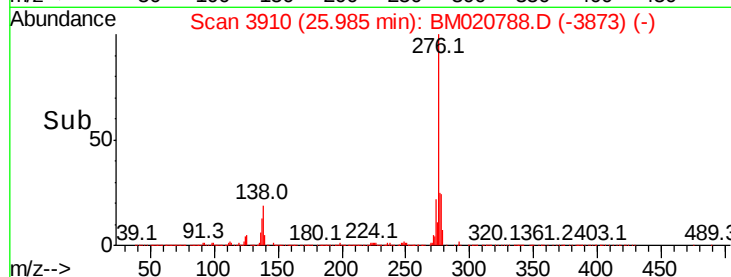
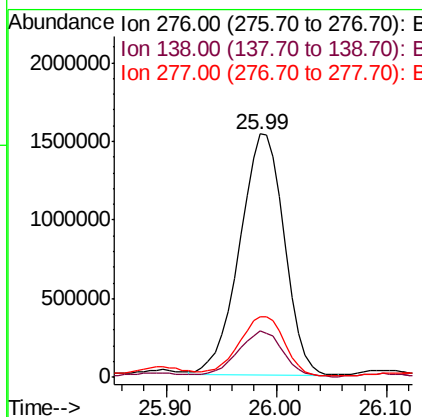
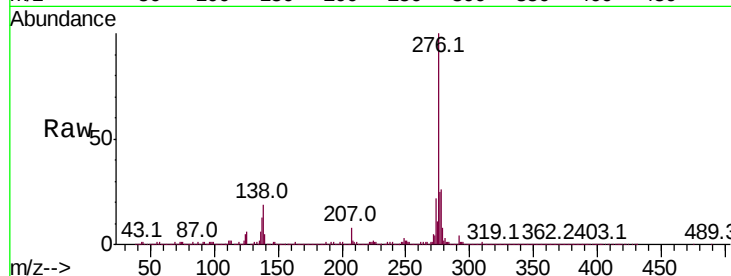


#91
 Indeno(1,2,3-cd)pyrene
 Concen: 35.108 ng/ul
 RT: 25.99 min Scan# 3910
 Delta R.T. 0.02 min
 Lab File: BM020788.D
 Acq: 07 Jun 2019 06:02

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:276 Resp: 4353564

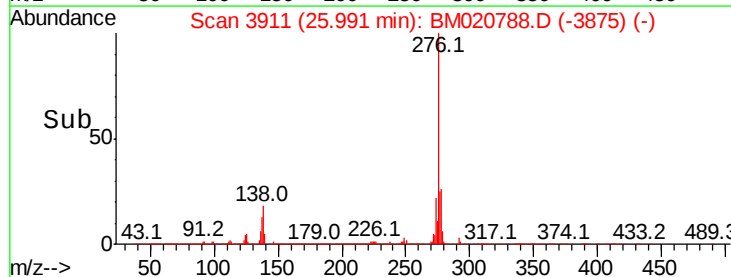
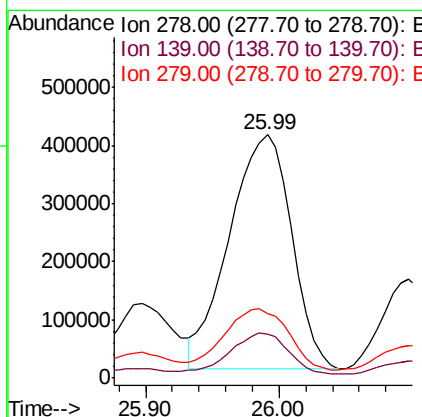
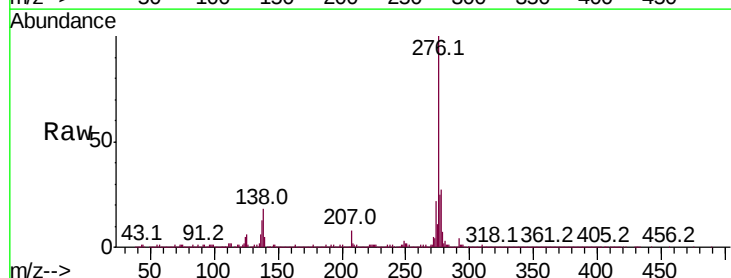
Ion	Ratio	Lower	Upper
276	100		
138	19.0	17.8	26.8
277	25.0	20.0	30.0

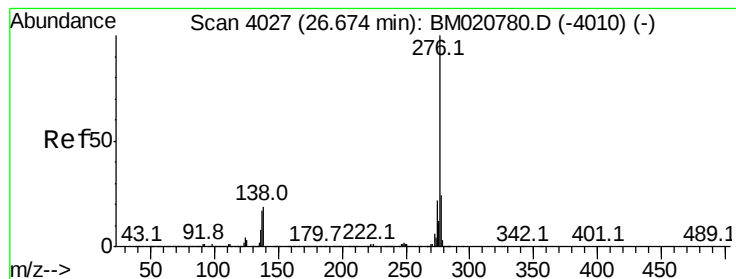


#92
 Dibenzo(a,h)anthracene
 Concen: 12.404 ng/ul
 RT: 25.99 min Scan# 3911
 Delta R.T. 0.01 min
 Lab File: BM020788.D
 Acq: 07 Jun 2019 06:02

Tgt Ion:278 Resp: 1303312

Ion	Ratio	Lower	Upper
278	100		
139	18.2	11.6	17.4#
279	26.6	18.6	28.0





#93

Benzo(a,h,i)perylene

Concen: 32.894 ng/ul

RT: 26.70 min Scan# 4032

Delta R.T. 0.03 min

Lab File: BM020788.D

Acq: 07 Jun 2019 06:02

Instrument :

BNA_M

ClientSampleId :

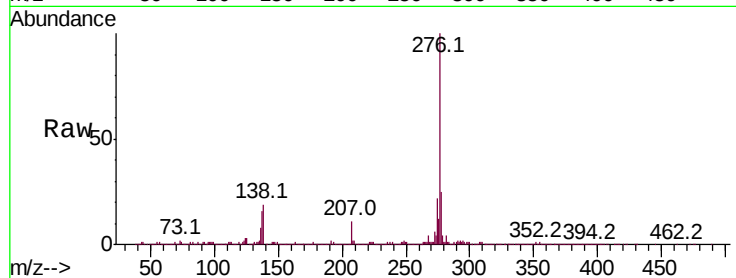
Tot Ion:276 Resp: 3309277

Ion Ratio Lower Upper

276 100

138 19.1 16.6 25.0

277 24.7 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

