

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
 Data File : BM020787.D
 Acq On : 07 Jun 2019 05:26
 Operator : HP/JU
 Sample : K3201-06
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jun 07 06:40:45 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	344953	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	1418939	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	788499	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.20	188	1689858	20.00	ng/ul	0.00
77) Chrysene-d12	21.37	240	1552455	20.00	ng/ul	0.00
85) Perylene-d12	23.66	264	1790273	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.30	96	33014	4.56	ng/uL	0.00
5) Phenol-d5	6.97	99	616658	23.37	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	407426	25.75	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	551539	26.24	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	447246	21.06	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	274822	28.38	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	302578	30.35	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	551634	26.53	ng/ul	0.00
29) 4-Chloroaniline-d4	10.74	131	540196	21.57	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	1679860	28.80	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	2085387	28.20	ng/ul	0.00
51) 4-Nitrophenol-d4	14.64	143	200844	20.07	ng/ul	0.00
57) Fluorene-d10	15.44	176	1401237	28.27	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	124161	14.37	ng/ul	0.00
70) Anthracene-d10	17.29	188	2073831	28.10	ng/ul	0.00
78) Pyrene-d10	19.59	212	2099582	27.98	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.51	264	2235775	27.48	ng/ul	0.01

Target Compounds

					Ovalue
28) Naphthalene	10.65	128	114619	1.720	ng/ul 98
34) 2-Methylnaphthalene	12.26	142	56041	1.145	ng/ul 98
44) Dimethylphthalate	13.91	163	726151	12.434	ng/ul 99
47) Acenaphthylene	14.17	152	304523	4.256	ng/ul 99
49) Acenaphthene	14.51	153	190144	3.807	ng/ul 99
53) Dibenzofuran	14.85	168	150821	2.135	ng/ul 98
58) Fluorene	15.50	166	196579	3.466	ng/ul 98
69) Phenanthrene	17.24	178	4580531	53.859	ng/ul 99
71) Anthracene	17.33	178	902611	10.354	ng/ul 99
74) Carbazole	17.60	167	346397	4.569	ng/ul 97
76) Fluoranthene	19.26	202	9038665	92.741	ng/ul 99
79) Pyrene	19.62	202	8015393	83.641	ng/ul 97
82) Benzo(a)anthracene	21.36	228	4749792	49.045	ng/ul 97
83) Bis(2-ethylhexyl)phthalate	21.29	149	101465	1.540	ng/ul 100
84) Chrysene	21.42	228	4675219	52.026	ng/ul 98
87) Benzo(b)fluoranthene	22.97	252	5989785	57.513	ng/ul 98
88) Benzo(k)fluoranthene	22.97	252	5989785	60.172	ng/ul 98
90) Benzo(a)pyrene	23.56	252	4134836	41.732	ng/ul 97
91) Indeno(1,2,3-cd)pyrene	25.98	276	2798894	23.917	ng/ul 96
92) Dibenz(a,h)anthracene	25.98	278	795038	8.018	ng/ul# 91
93) Benzo(a,h,i)perylene	26.69	276	2112926	22.255	ng/ul 98

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

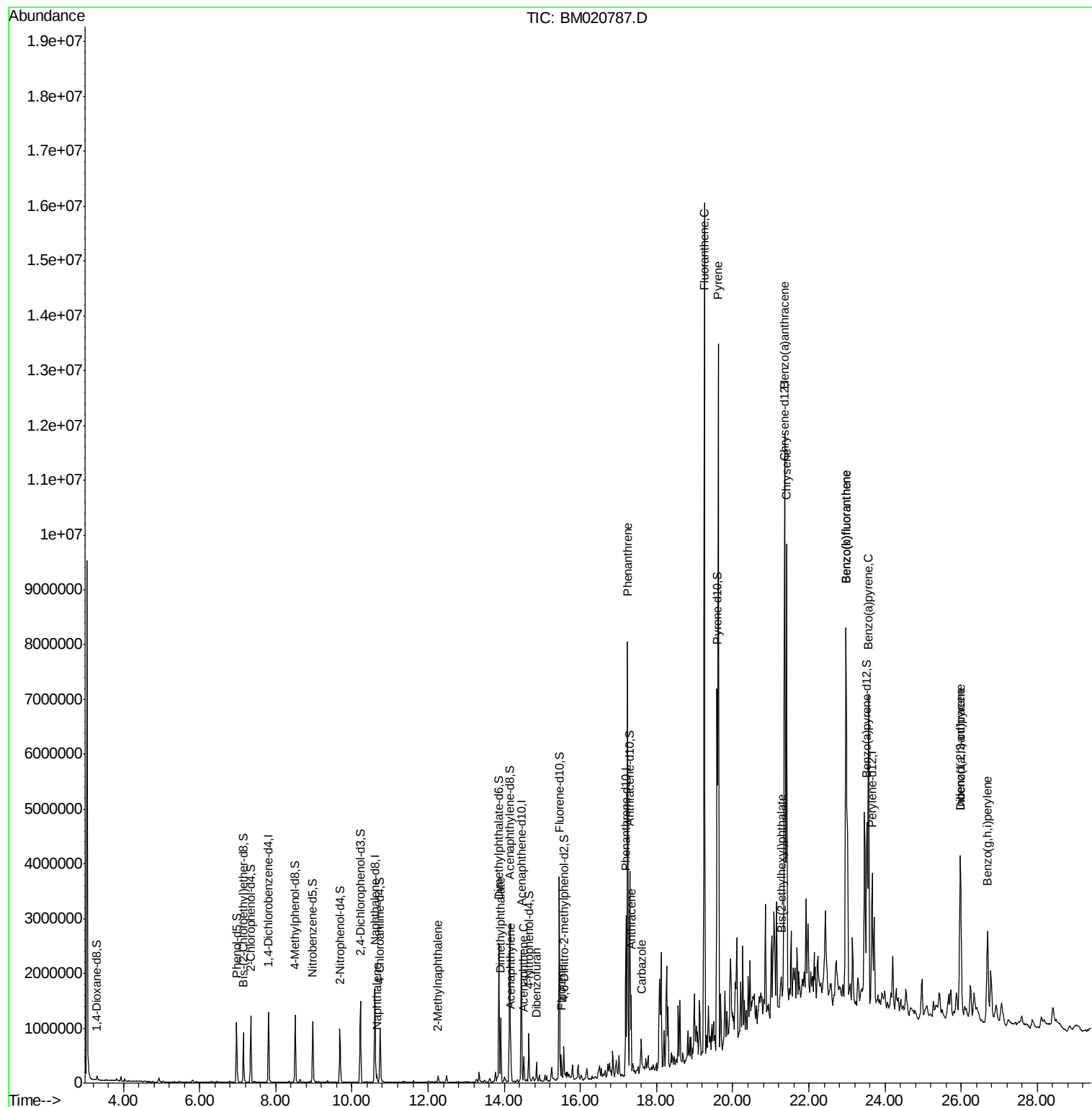
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

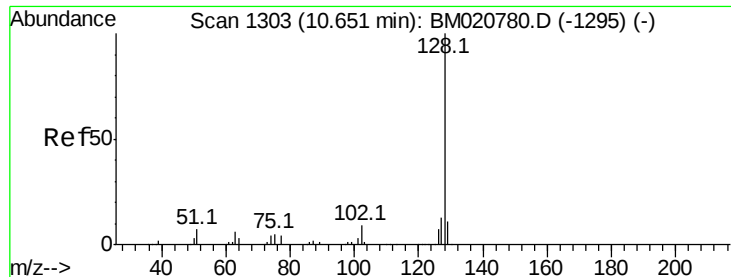
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#28

Naphthalene

Concen: 1.720 ng/ul

RT: 10.65 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BM020787.D

Acq: 07 Jun 2019 05:26

Instrument :

BNA_M

ClientSampleId :

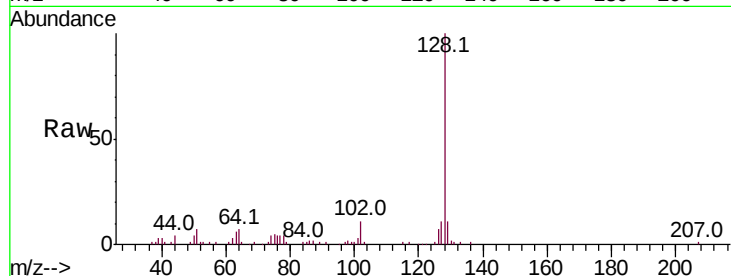
Tot Ion:128 Resp: 114619

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	13.0
127	11.4	10.2	15.2

128 100

129 10.7 8.6 13.0

127 11.4 10.2 15.2

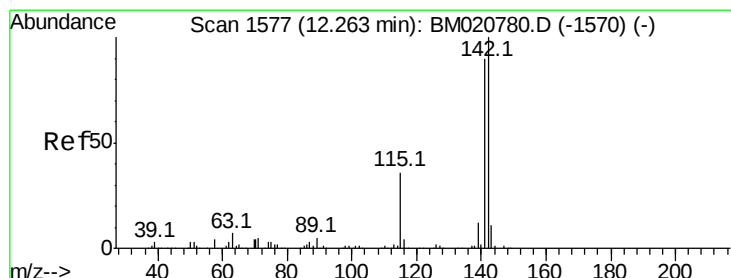
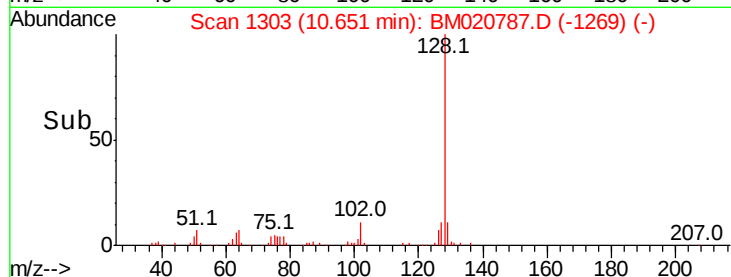
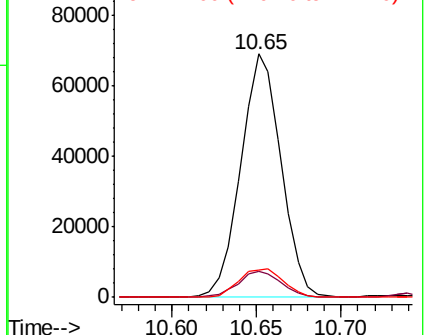


Abundance

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: 1.145 ng/ul

RT: 12.26 min Scan# 1577

Delta R.T. -0.00 min

Lab File: BM020787.D

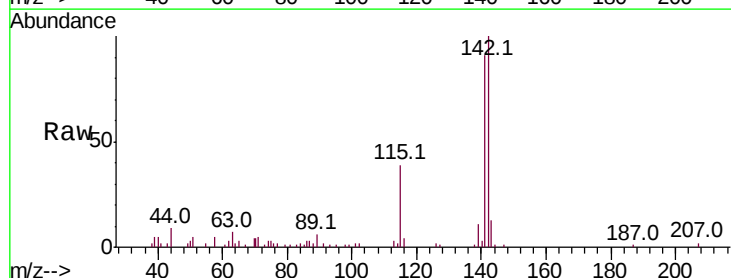
Acq: 07 Jun 2019 05:26

Tgt Ion:142 Resp: 56041

Ion	Ratio	Lower	Upper
142	100		
141	91.1	71.4	107.0

142 100

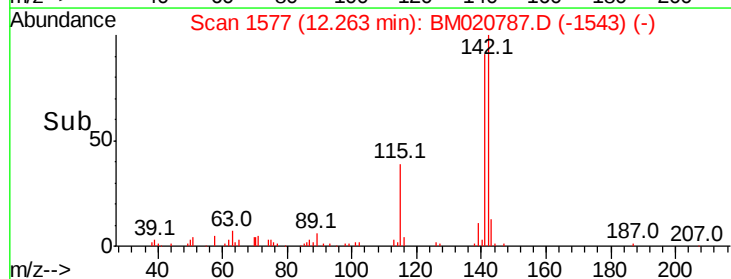
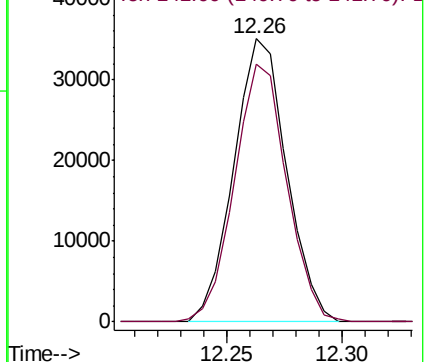
141 91.1 71.4 107.0

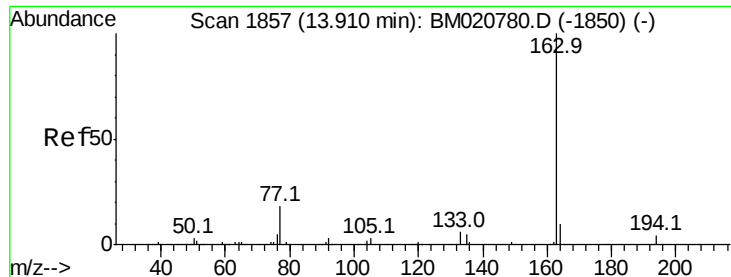


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#44

Dimethylphthalate

Concen: 12.434 ng/ul

RT: 13.91 min Scan# 1857

Delta R.T. -0.00 min

Lab File: BM020787.D

Acq: 07 Jun 2019 05:26

Instrument :

BNA_M

ClientSampleId :

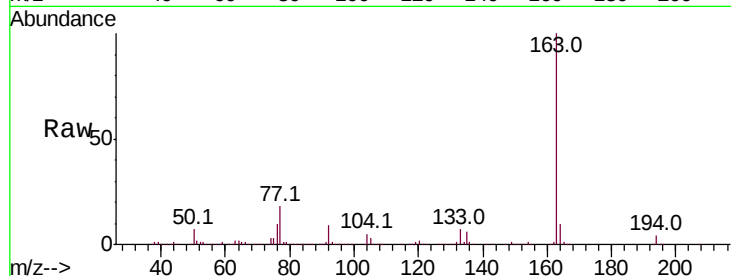
Tot Ion:163 Resp: 726151

Ion Ratio Lower Upper

163 100

194 4.3 3.2 4.8

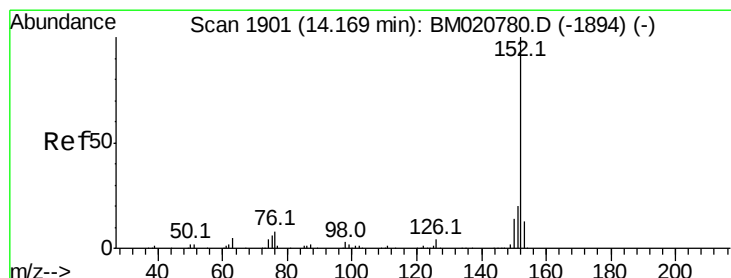
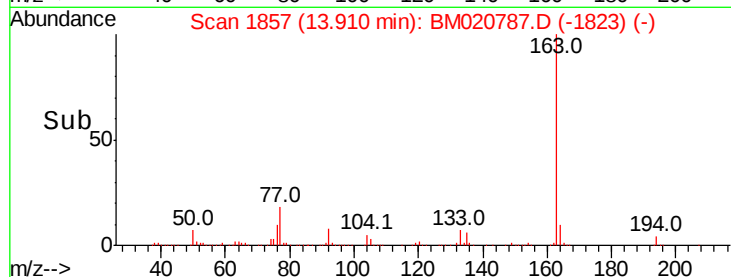
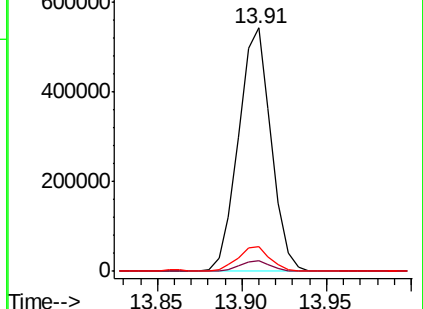
164 10.4 8.0 12.0



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: 4.256 ng/ul

RT: 14.17 min Scan# 1902

Delta R.T. 0.01 min

Lab File: BM020787.D

Acq: 07 Jun 2019 05:26

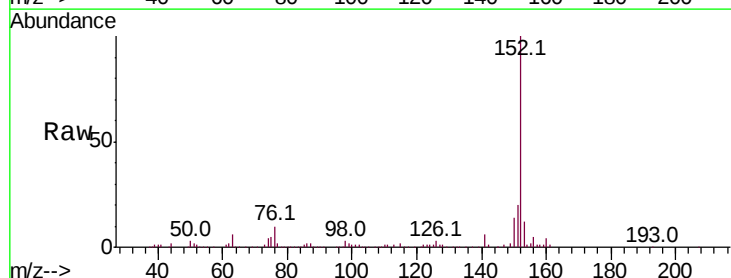
Tgt Ion:152 Resp: 304523

Ion Ratio Lower Upper

152 100

151 19.8 16.2 24.2

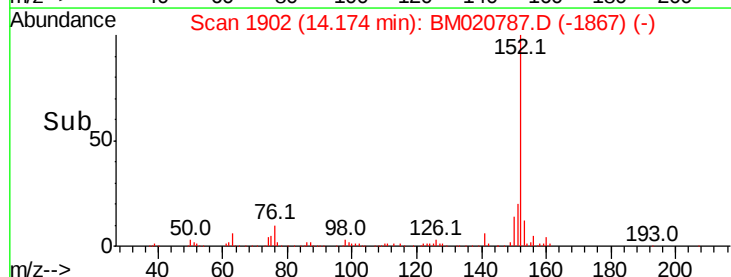
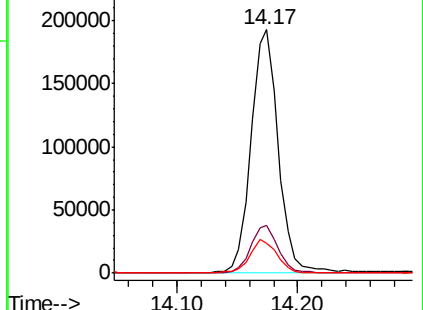
153 12.5 10.6 15.8

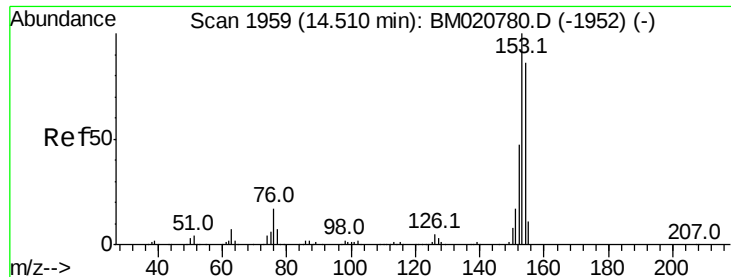


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 3.807 ng/ul

RT: 14.51 min Scan# 1959

Delta R.T. -0.00 min

Lab File: BM020787.D

Acq: 07 Jun 2019 05:26

Instrument :

BNA_M

ClientSampleId :

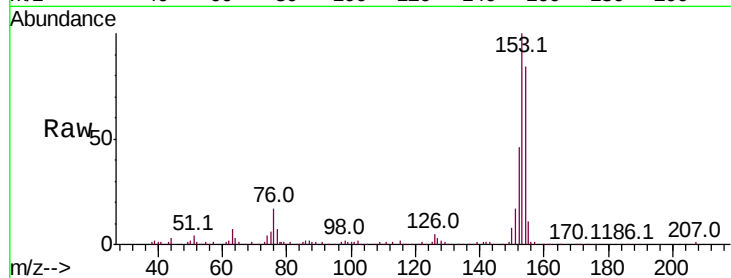
Tot Ion:153 Resp: 190144

Ion Ratio Lower Upper

153 100

152 46.1 37.3 55.9

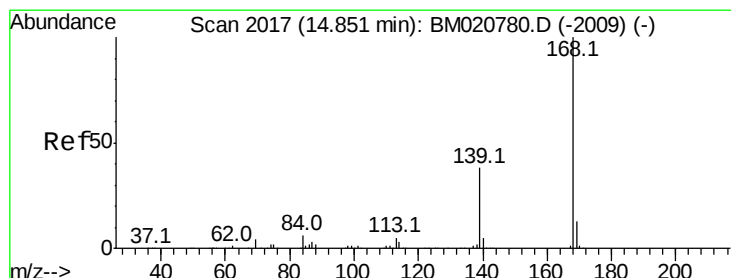
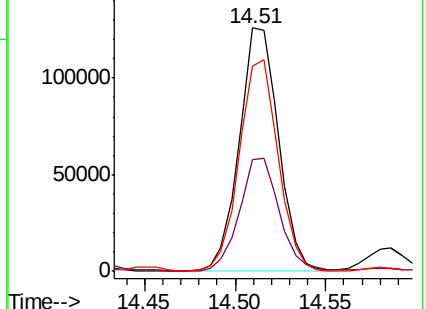
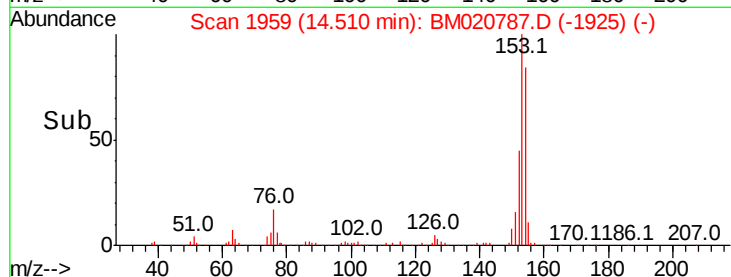
154 84.5 68.7 103.1



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 2.135 ng/ul

RT: 14.85 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BM020787.D

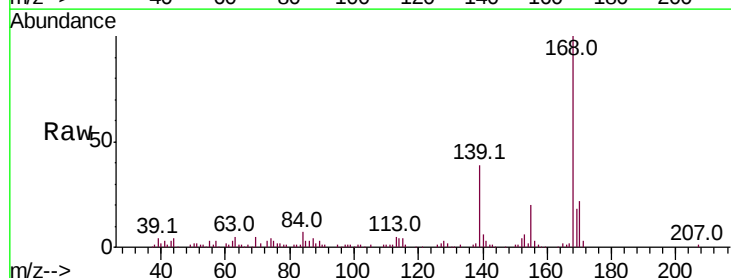
Acq: 07 Jun 2019 05:26

Tgt Ion:168 Resp: 150821

Ion Ratio Lower Upper

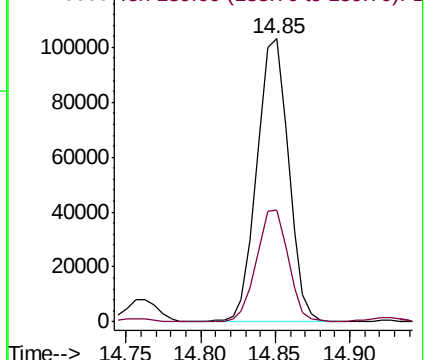
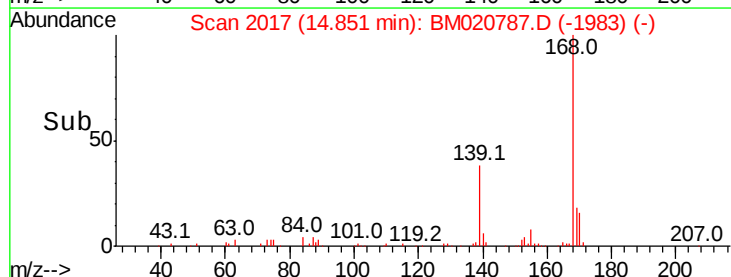
168 100

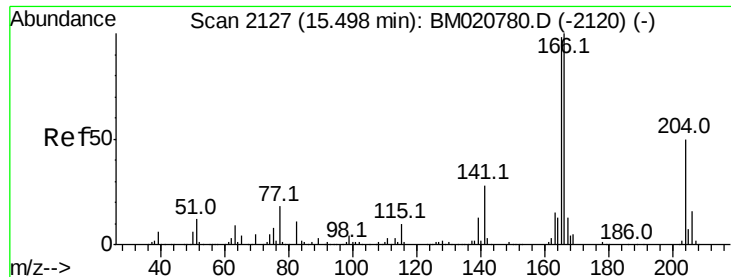
139 39.4 30.4 45.6



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 3.466 ng/ul

RT: 15.50 min Scan# 2127

Delta R.T. -0.00 min

Lab File: BM020787.D

Acq: 07 Jun 2019 05:26

Instrument :

BNA_M

ClientSampleId :

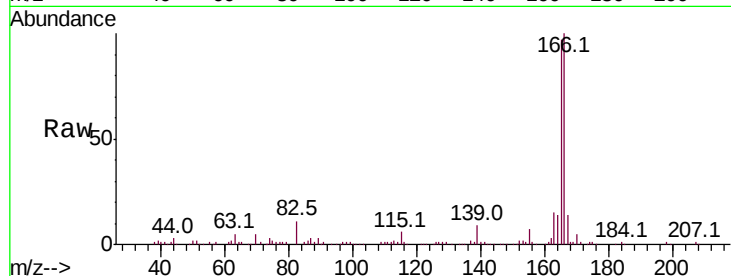
Tot Ion:166 Resp: 196579

Ion Ratio Lower Upper

166 100

165 96.8 78.6 117.8

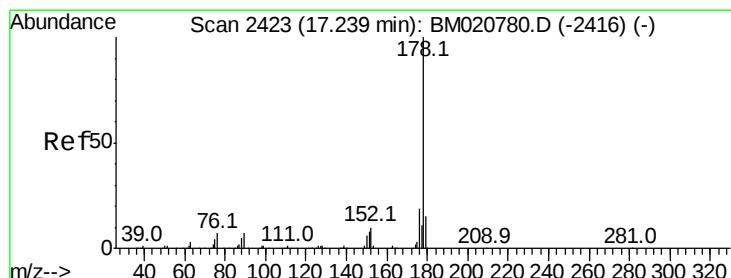
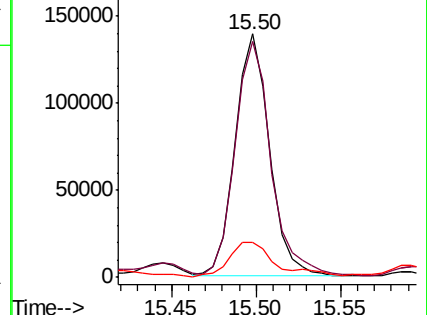
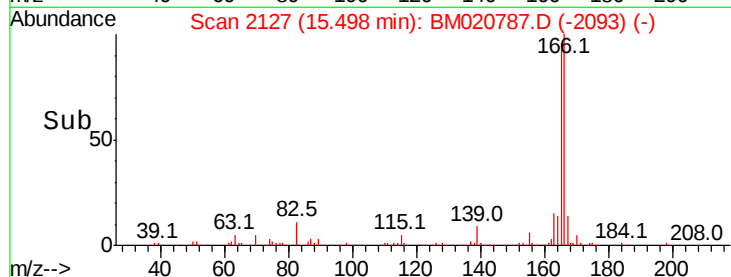
167 14.4 10.8 16.2



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: 53.859 ng/ul

RT: 17.24 min Scan# 2423

Delta R.T. -0.00 min

Lab File: BM020787.D

Acq: 07 Jun 2019 05:26

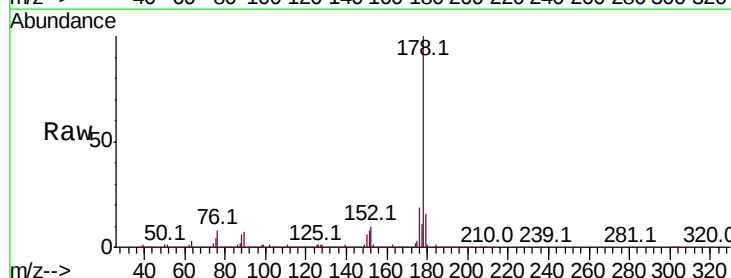
Tgt Ion:178 Resp: 4580531

Ion Ratio Lower Upper

178 100

179 15.6 12.3 18.5

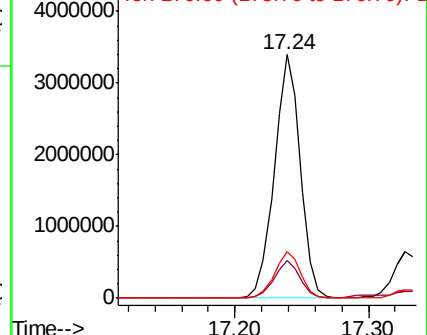
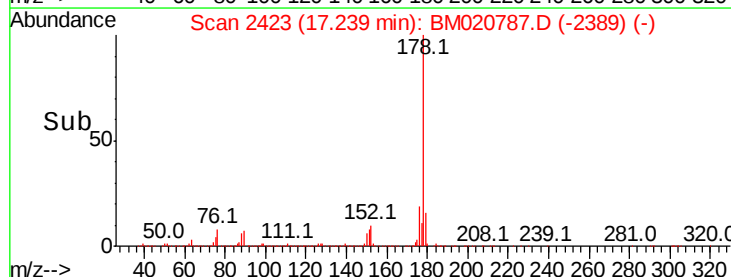
176 19.1 14.8 22.2

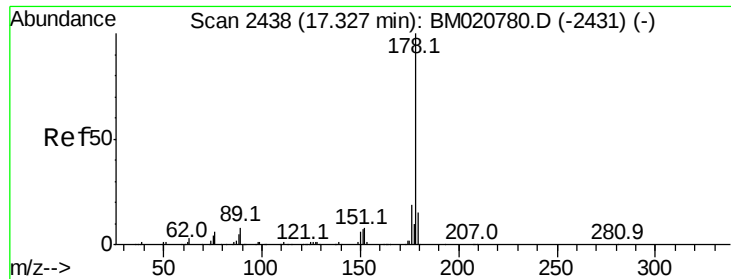


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 10.354 ng/ul

RT: 17.33 min Scan# 2438

Delta R.T. -0.00 min

Lab File: BM020787.D

Acq: 07 Jun 2019 05:26

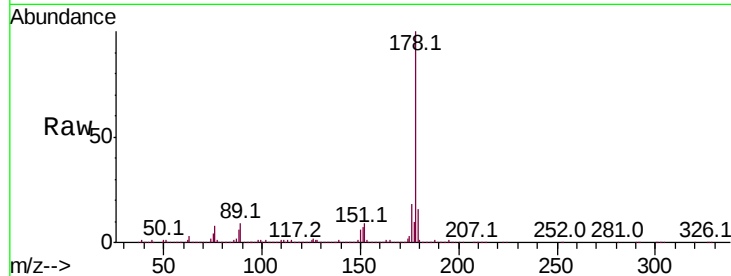
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 902611

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.1	18.1
176	18.2	14.9	22.3

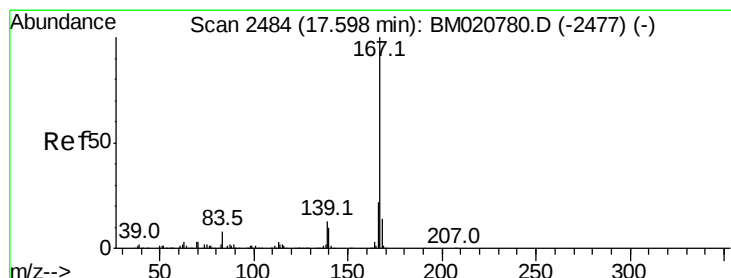
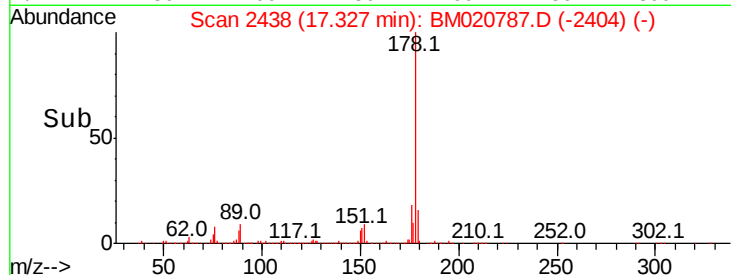
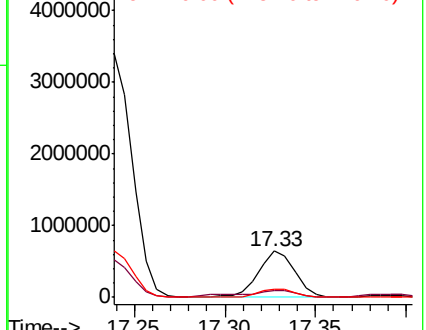


Abundance

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: 4.569 ng/ul

RT: 17.60 min Scan# 2484

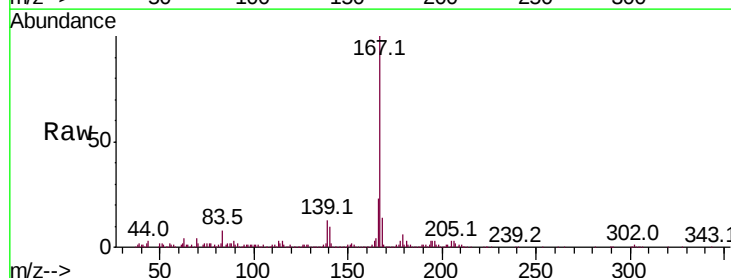
Delta R.T. -0.00 min

Lab File: BM020787.D

Acq: 07 Jun 2019 05:26

Tgt Ion:167 Resp: 346397

Ion	Ratio	Lower	Upper
167	100		
166	23.2	17.0	25.6
139	13.2	10.5	15.7

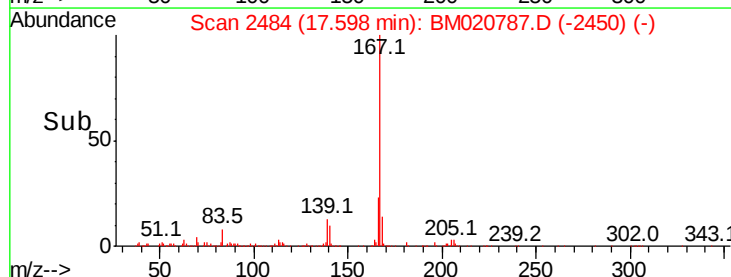
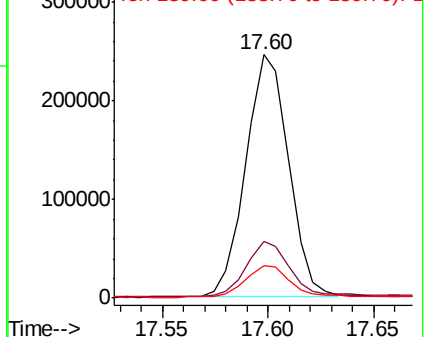


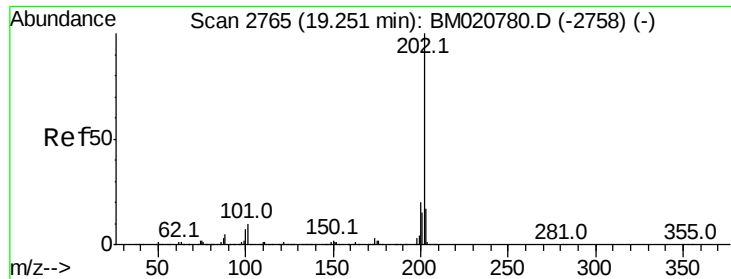
Abundance

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

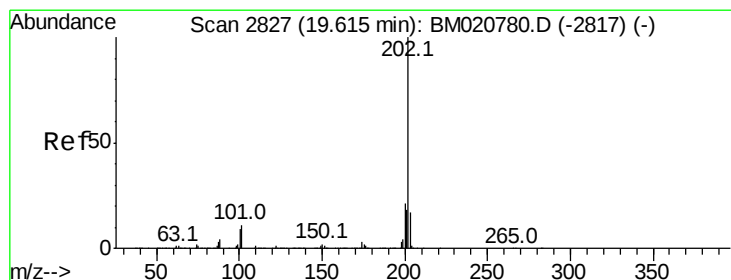
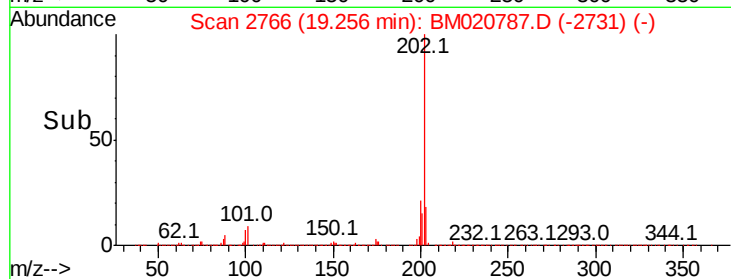
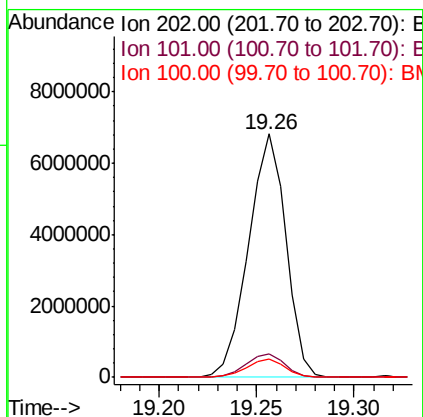
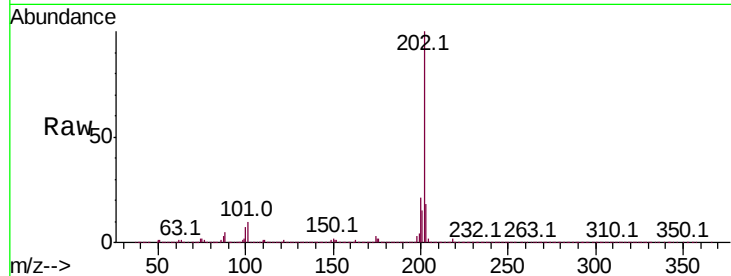




#76
 Fluoranthene
 Concen: 92.741 ng/ul
 RT: 19.26 min Scan# 2766
 Delta R.T. 0.01 min
 Lab File: BM020787.D
 Acq: 07 Jun 2019 05:26

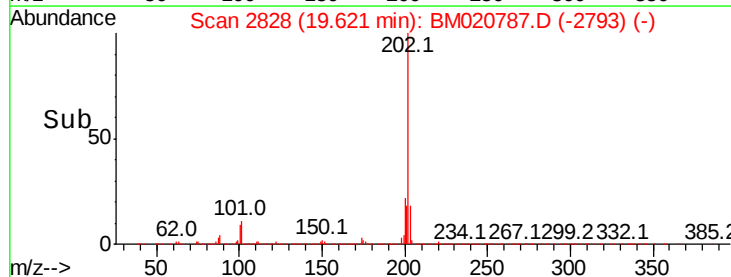
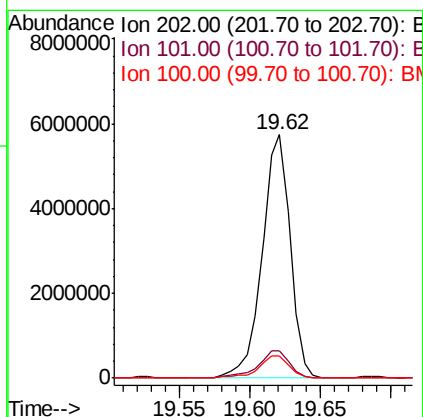
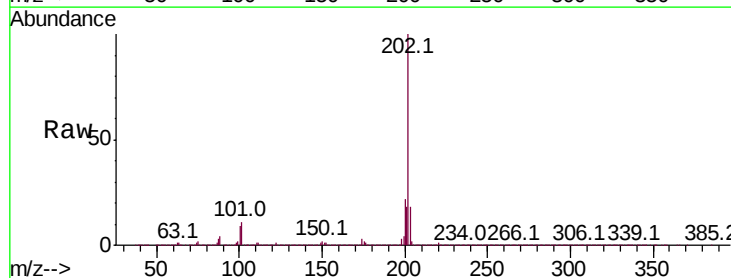
Instrument :
 BNA_M
 ClientSampleId :

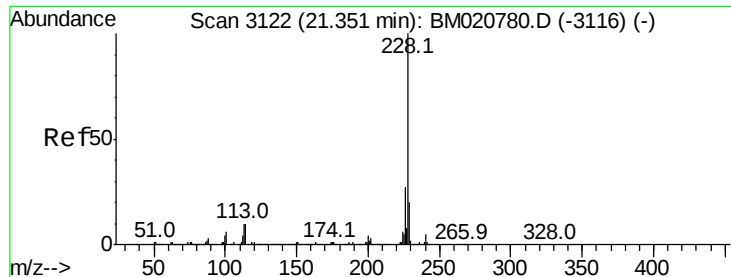
Tot Ion:202 Resp: 9038665
 Ion Ratio Lower Upper
 202 100
 101 9.6 7.9 11.9
 100 7.4 6.2 9.4



#79
 Pyrene
 Concen: 83.641 ng/ul
 RT: 19.62 min Scan# 2828
 Delta R.T. 0.01 min
 Lab File: BM020787.D
 Acq: 07 Jun 2019 05:26

Tgt Ion:202 Resp: 8015393
 Ion Ratio Lower Upper
 202 100
 101 11.0 9.8 14.6
 100 9.1 8.0 12.0

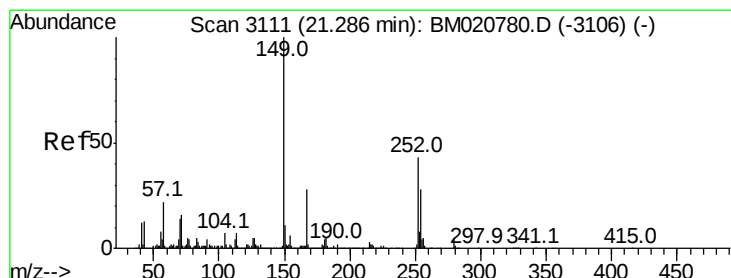
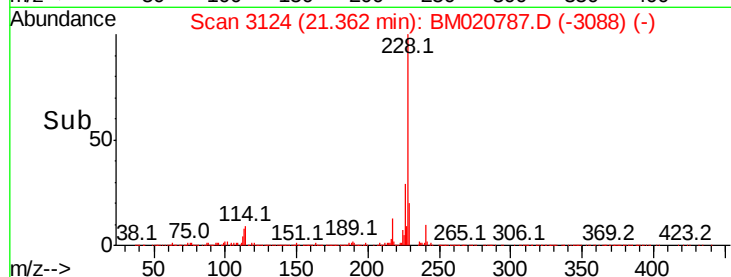
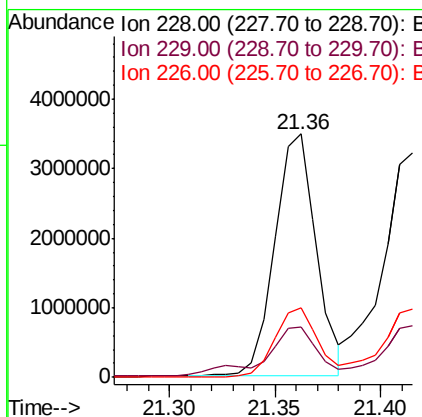
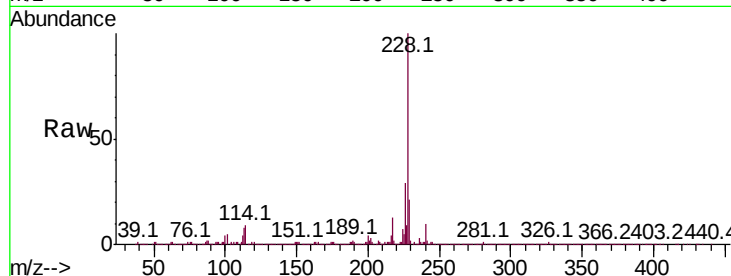




#82
Benzo(a)anthracene
Concen: 49.045 ng/ul
RT: 21.36 min Scan# 3124
Delta R.T. 0.01 min
Lab File: BM020787.D
Acq: 07 Jun 2019 05:26

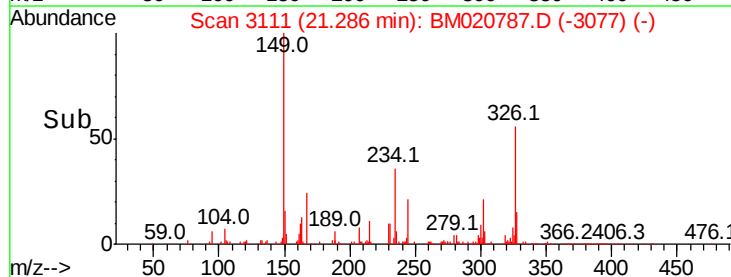
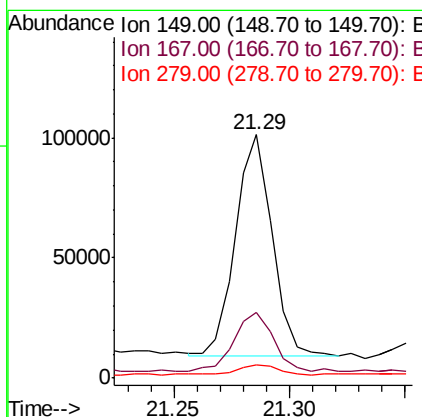
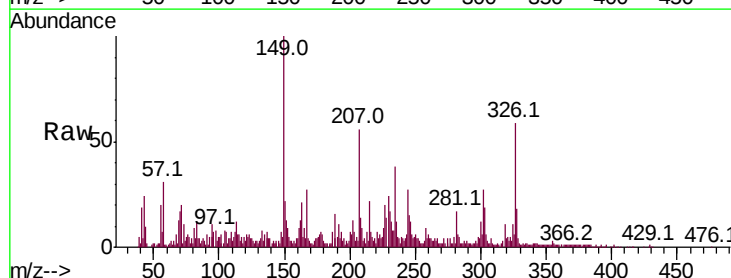
Instrument :
BNA_M
ClientSampleId :

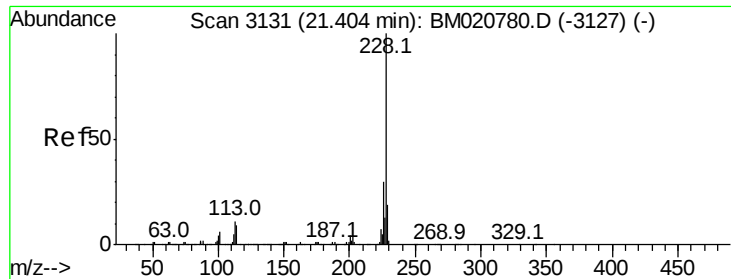
Tot Ion:228 Resp: 4749792
Ion Ratio Lower Upper
228 100
229 20.7 15.6 23.4
226 28.8 21.4 32.2



#83
Bis(2-ethylhexyl)phthalate
Concen: 1.540 ng/ul
RT: 21.29 min Scan# 3111
Delta R.T. -0.00 min
Lab File: BM020787.D
Acq: 07 Jun 2019 05:26

Tgt Ion:149 Resp: 101465
Ion Ratio Lower Upper
149 100
167 27.2 21.9 32.9
279 5.4 4.1 6.1





#84

Chrysene

Concen: 52.026 ng/ul

RT: 21.42 min Scan# 3133

Delta R.T. 0.01 min

Lab File: BM020787.D

Acq: 07 Jun 2019 05:26

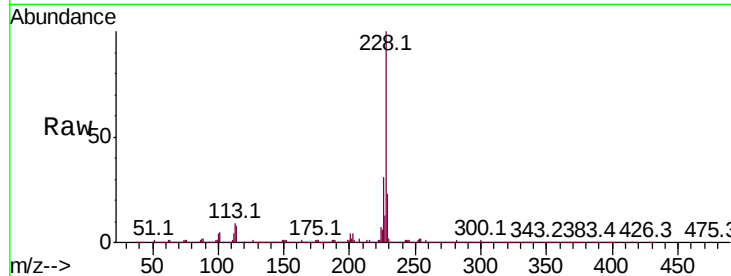
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 4675219

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.4	36.6
229	22.7	16.2	24.2

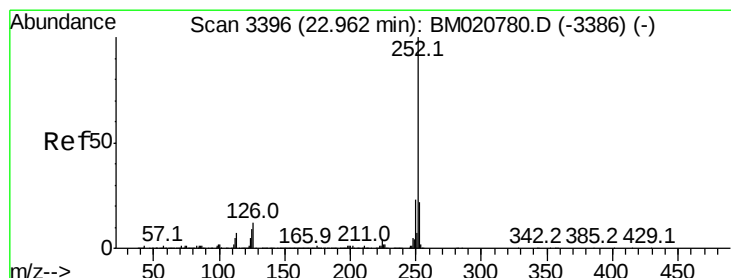
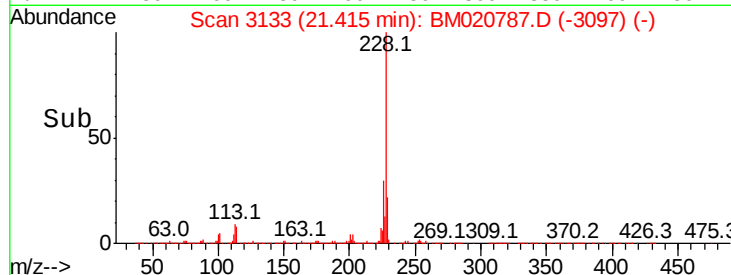
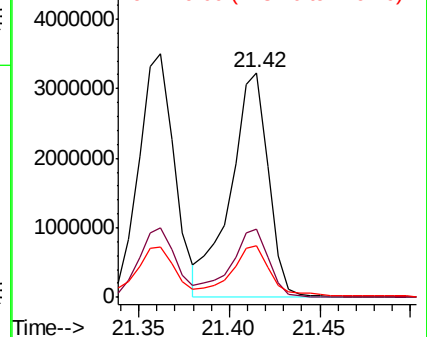


Abundance

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: 57.513 ng/ul

RT: 22.97 min Scan# 3398

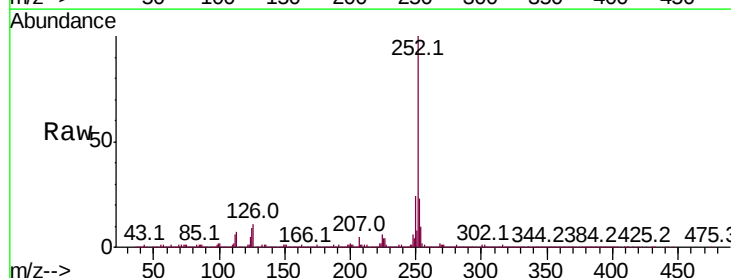
Delta R.T. 0.01 min

Lab File: BM020787.D

Acq: 07 Jun 2019 05:26

Tgt Ion:252 Resp: 5989785

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.6	26.4
125	9.3	7.3	10.9

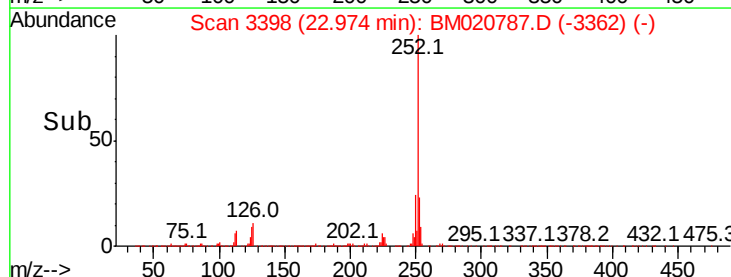
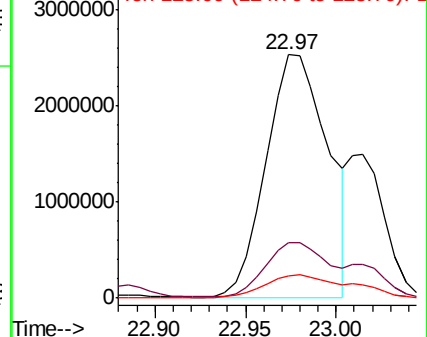


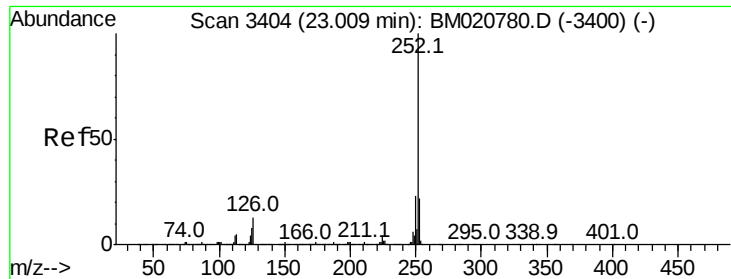
Abundance

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





#88

Benzo(k)fluoranthene

Concen: 60.172 ng/ul

RT: 22.97 min Scan# 3398

Delta R.T. -0.04 min

Lab File: BM020787.D

Acq: 07 Jun 2019 05:26

Instrument :

BNA_M

ClientSampleId :

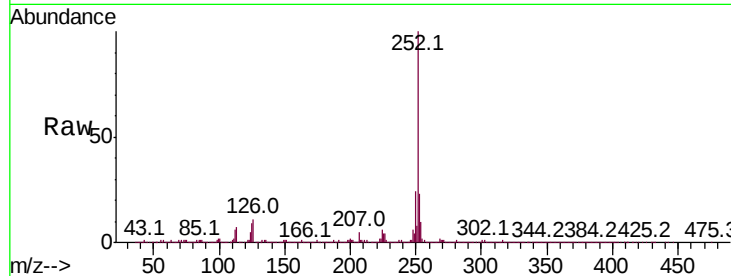
Tot Ion:252 Resp: 5989785

Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

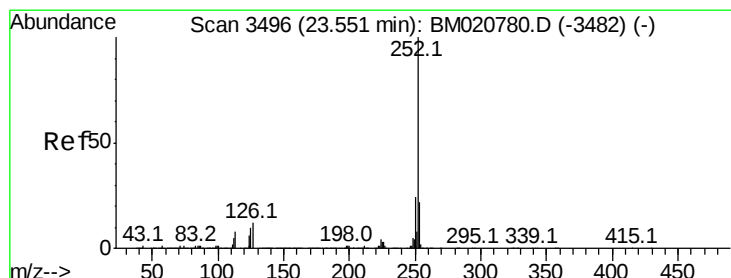
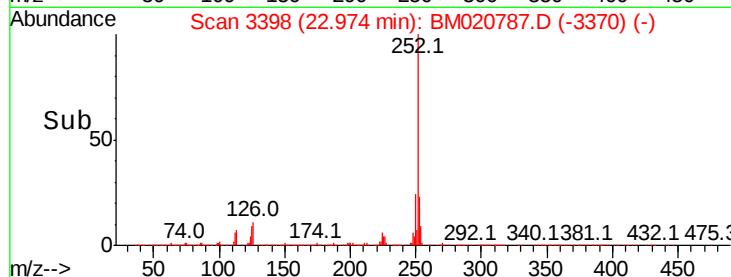
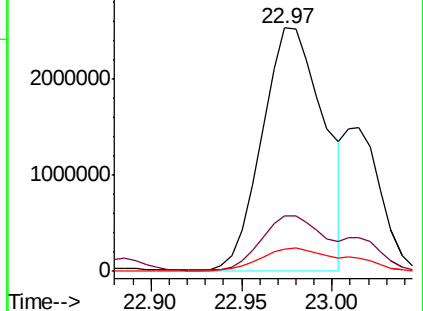
125 9.3 7.3 10.9



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: 41.732 ng/ul

RT: 23.56 min Scan# 3498

Delta R.T. 0.01 min

Lab File: BM020787.D

Acq: 07 Jun 2019 05:26

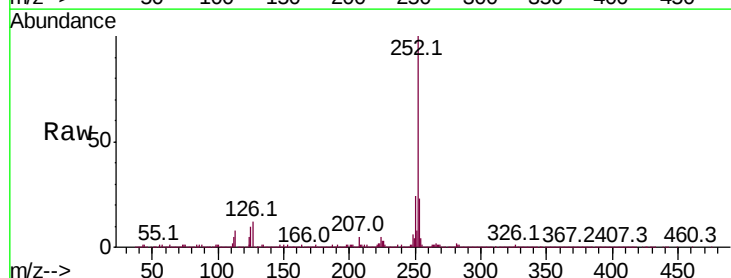
Tgt Ion:252 Resp: 4134836

Ion Ratio Lower Upper

252 100

253 23.0 17.0 25.6

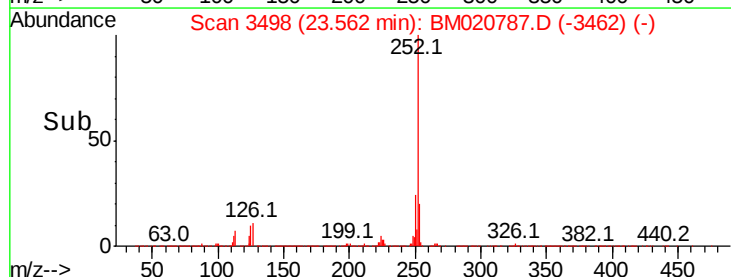
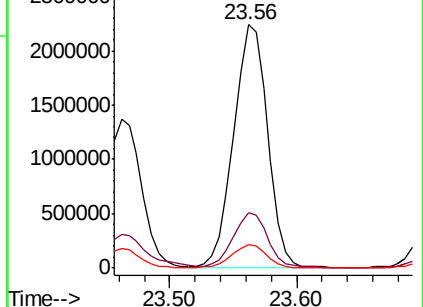
125 9.8 8.2 12.4

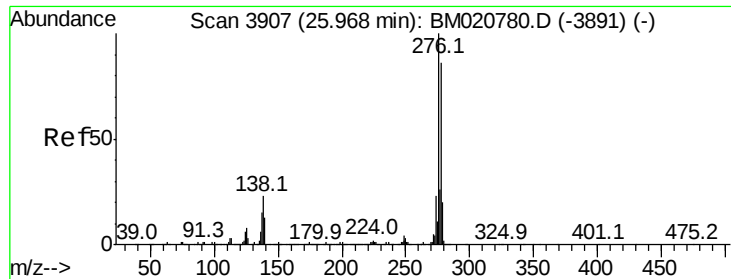


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



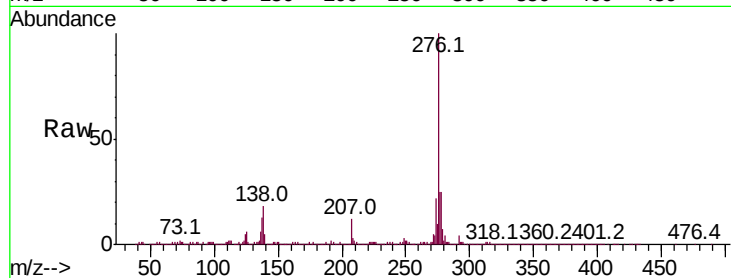


#91

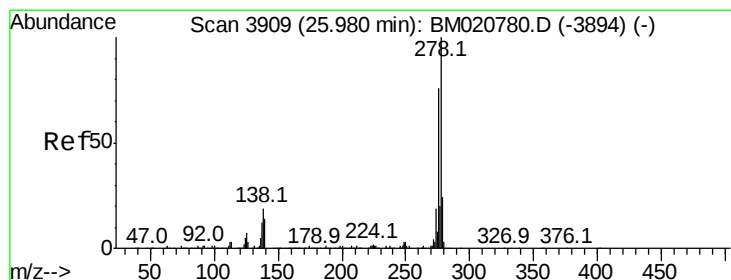
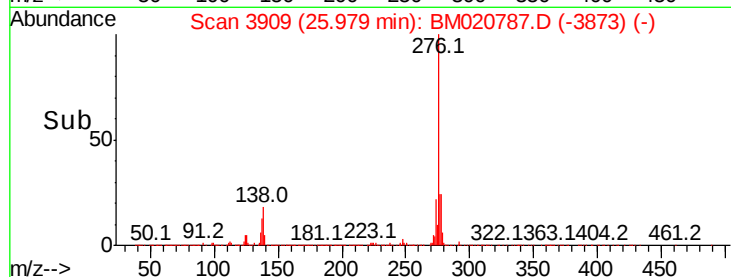
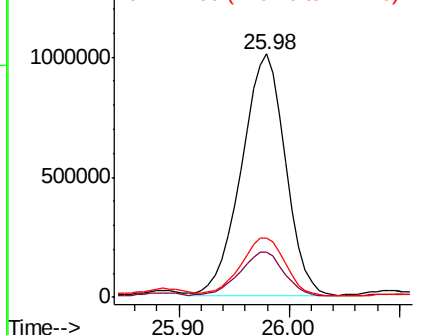
Indeno(1,2,3-cd)pyrene
Concen: 23.917 ng/ul
RT: 25.98 min Scan# 3909
Delta R.T. 0.01 min
Lab File: BM020787.D
Acq: 07 Jun 2019 05:26

Instrument :
BNA_M
ClientSampleId :

Tot Ion:276 Resp: 2798894
Ion Ratio Lower Upper
276 100
138 18.5 17.8 26.8
277 24.5 20.0 30.0



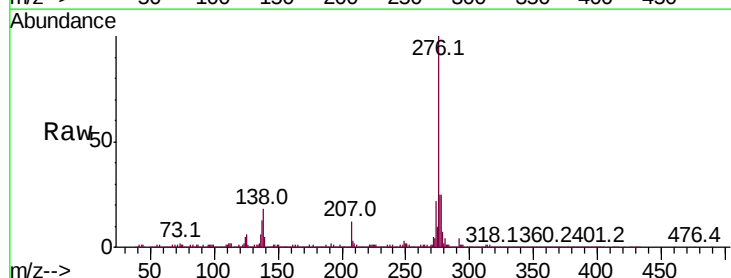
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



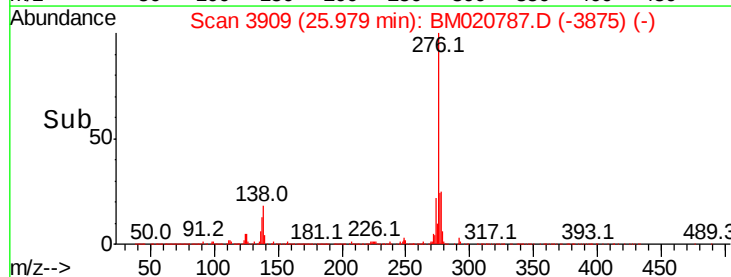
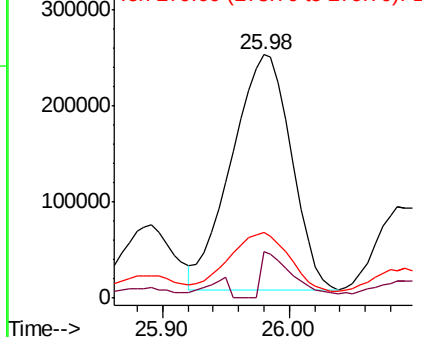
#92

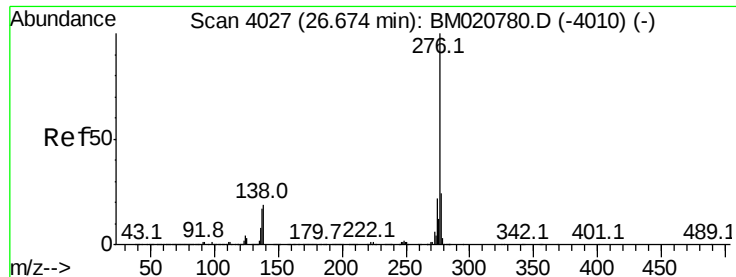
Dibenzo(a,h)anthracene
Concen: 8.018 ng/ul
RT: 25.98 min Scan# 3909
Delta R.T. -0.00 min
Lab File: BM020787.D
Acq: 07 Jun 2019 05:26

Tgt Ion:278 Resp: 795038
Ion Ratio Lower Upper
278 100
139 19.1 11.6 17.4#
279 26.8 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: 22.255 ng/ul

RT: 26.69 min Scan# 4030

Delta R.T. 0.02 min

Lab File: BM020787.D

Acq: 07 Jun 2019 05:26

Instrument :

BNA_M

ClientSampleId :

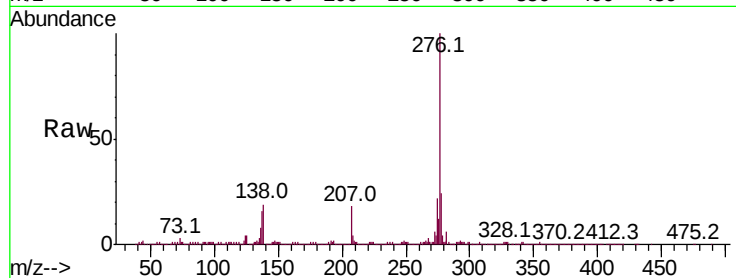
Tot Ion:276 Resp: 2112926

Ion Ratio Lower Upper

276 100

138 19.2 16.6 25.0

277 24.3 19.6 29.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

