

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061119\
 Data File : BM020877.D
 Acq On : 11 Jun 2019 16:47
 Operator : HP/JU
 Sample : K3083-12
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A51H4

Quant Time: Jun 12 15:56:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Jun 09 01:02:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	5769	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	23972	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	14315	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	32865	20.00	ng/ul	0.00
77) Chrysene-d12	21.37	240	34347	20.00	ng/ul	0.00
85) Perylene-d12	23.66	264	37929	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	417	3.45	ng/uL	-0.04
5) Phenol-d5	0.00	99	0	0.00	ng/ul	
7) Bis-(2-Chloroethyl)ether-d	7.16	67	359	1.36	ng/ul	0.01
9) 2-Chlorophenol-d4	0.00	132	0	0.00	ng/ul	
13) 4-Methylphenol-d8	0.00	113	0	0.00	ng/ul	
19) Nitrobenzene-d5	0.00	128	0	0.00	ng/ul	
22) 2-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
26) 2,4-Dichlorophenol-d3	0.00	165	0	0.00	ng/ul	
29) 4-Chloroaniline-d4	0.00	131	0	0.00	ng/ul	
43) Dimethylphthalate-d6	13.90	166	421	0.40	ng/ul	0.04
46) Acenaphthylene-d8	0.00	160	0	0.00	ng/ul	
51) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
57) Fluorene-d10	0.00	176	0	0.00	ng/ul	
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	17.30	188	606	0.42	ng/ul	0.00
78) Pyrene-d10	19.58	212	1767	1.06	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.52	264	612	0.36	ng/ul	0.00

Target Compounds

					Ovalue	
2) 1,4-Dioxane	3.35	88	479	3.769	ng/uL#	1
6) Phenol	7.00	94	55010	121.064	ng/ul	97
20) Nitrobenzene	9.02	77	886	2.151	ng/ul#	40
28) Naphthalene	10.65	128	58844	52.265	ng/ul	97
30) 4-Chloroaniline	10.65	127	7930	18.330	ng/ul#	36
44) Dimethylphthalate	13.90	163	801704	756.134	ng/ul	99
45) 2,6-Dinitrotoluene	13.97	165	1072	5.390	ng/ul#	33
47) Acenaphthylene	14.17	152	31347	24.132	ng/ul	96
49) Acenaphthene	14.51	153	26560	29.290	ng/ul	96
56) Diethylphthalate	15.27	149	1097	1.036	ng/ul#	60
58) Fluorene	15.50	166	24353	23.649	ng/ul	100
68) Pentachlorophenol	16.84	266	3596	15.662	ng/ul#	83
69) Phenanthrene	17.23	178	44534	26.925	ng/ul	95
71) Anthracene	17.33	178	42261	24.927	ng/ul	98
75) Di-n-butylphthalate	18.16	149	26409	14.328	ng/ul#	96
76) Fluoranthene	19.25	202	51594	27.220	ng/ul#	97
79) Pyrene	19.61	202	67817	31.986	ng/ul	98
80) Butylbenzylphthalate	20.52	149	2201	2.547	ng/ul#	72
82) Benzo(a)anthracene	21.36	228	52364	24.439	ng/ul	96
83) Bis(2-ethylhexyl)phthalate	21.28	149	6688	4.589	ng/ul#	96
84) Chrysene	21.36	228	52762	26.538	ng/ul	93
87) Benzo(b)fluoranthene	22.96	252	55397	25.107	ng/ul#	70
90) Benzo(a)pyrene	23.55	252	37981	18.093	ng/ul#	64

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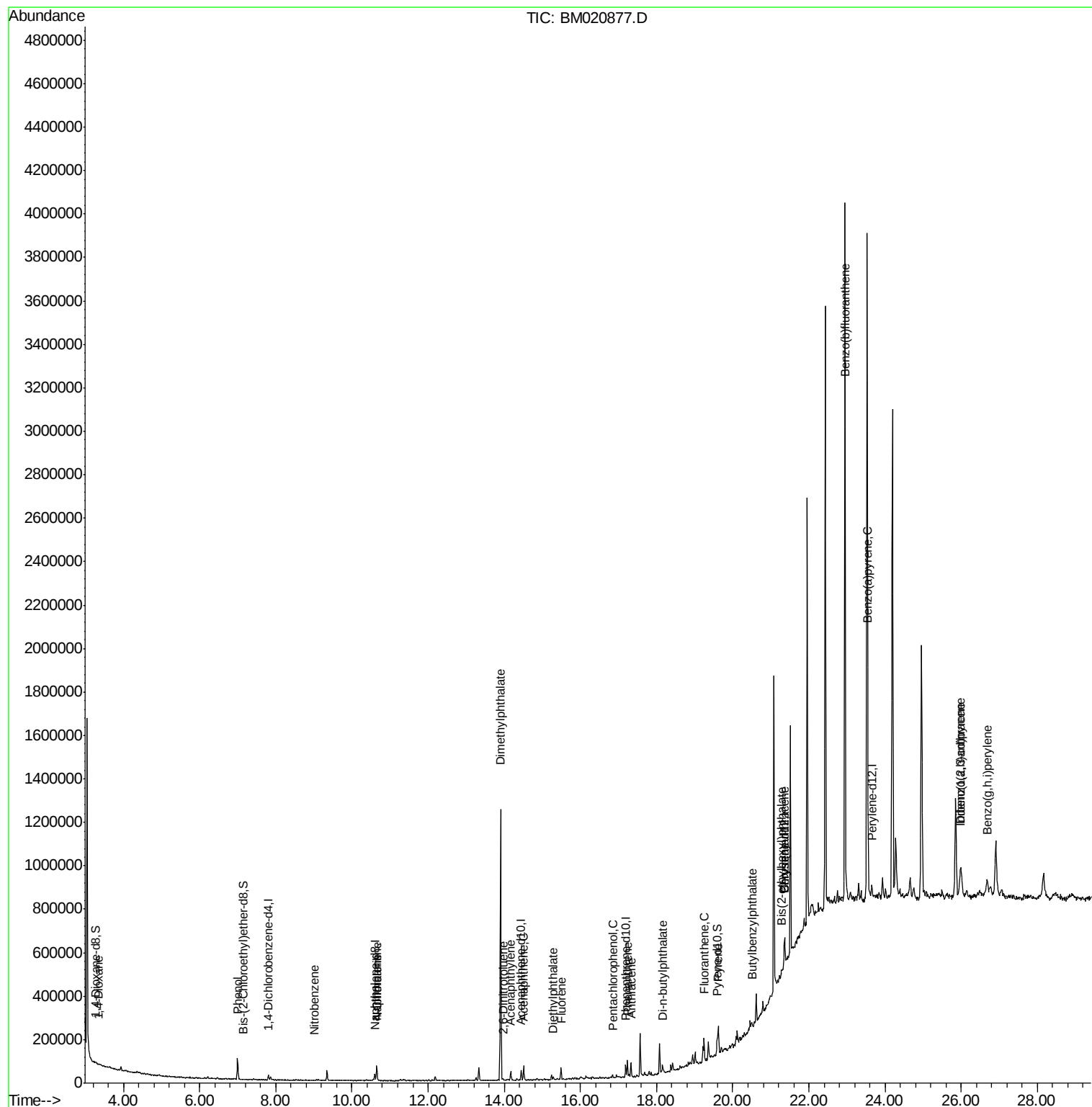
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Indeno(1,2,3-cd)pyrene	25.97	276	84157	33.944	ng/ul	97
92) Dibenzo(a,h)anthracene	25.98	278	64886	30.887	ng/ul#	95
93) Benzo(g,h,i)perylene	26.68	276	74670	37.123	ng/ul	97

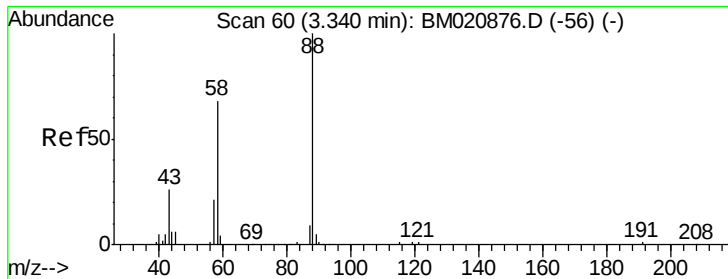
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 3.769 ng/uL

RT: 3.35 min Scan# 61

Delta R.T. 0.01 min

Lab File: BM020877.D

Acq: 11 Jun 2019 16:47

Instrument :

BNA_M

ClientSampleId :

A51H4

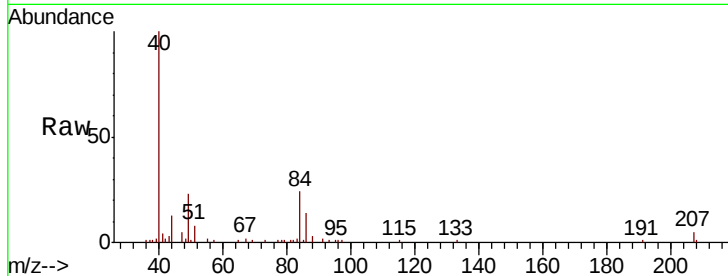
Tot Ion: 88 Resp: 479

Ion Ratio Lower Upper

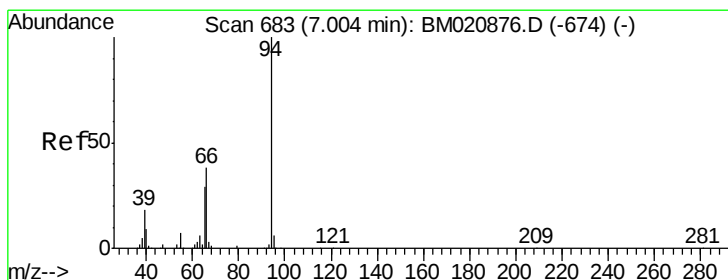
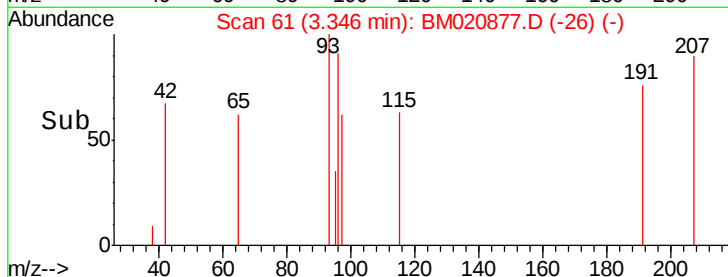
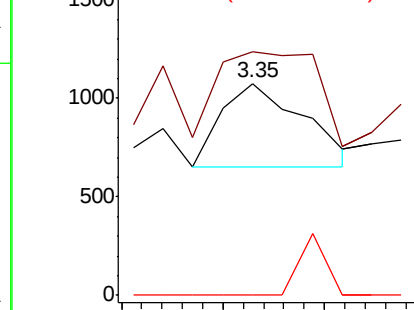
88 100

43 114.8 29.8 44.8#

58 0.0 57.2 85.8#



Abundance Ion 88.00 (87.70 to 88.70): BM0
Ion 43.00 (42.70 to 43.70): BM0
Ion 58.00 (57.70 to 58.70): BM0



#6

Phenol

Concen: 121.064 ng/uL

RT: 7.00 min Scan# 682

Delta R.T. 0.00 min

Lab File: BM020877.D

Acq: 11 Jun 2019 16:47

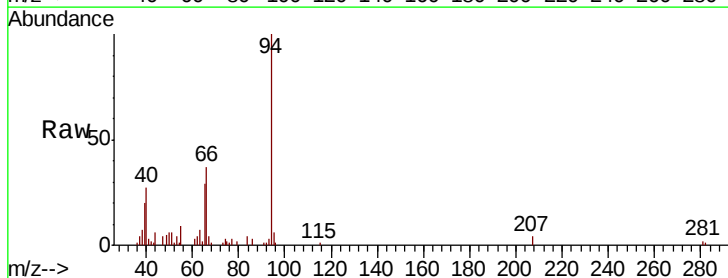
Tgt Ion: 94 Resp: 55010

Ion Ratio Lower Upper

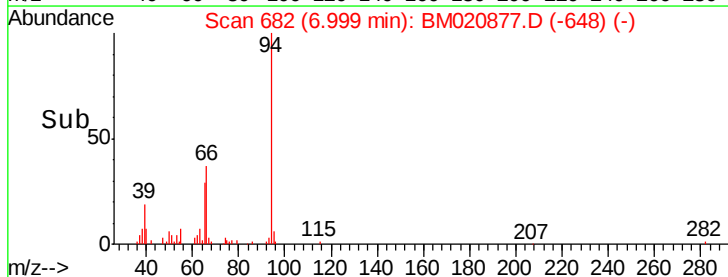
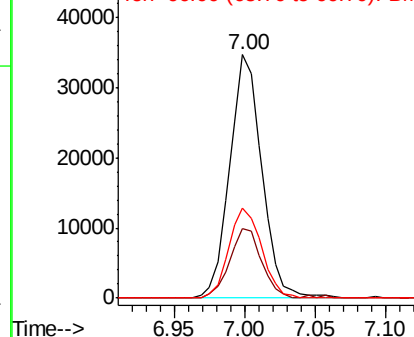
94 100

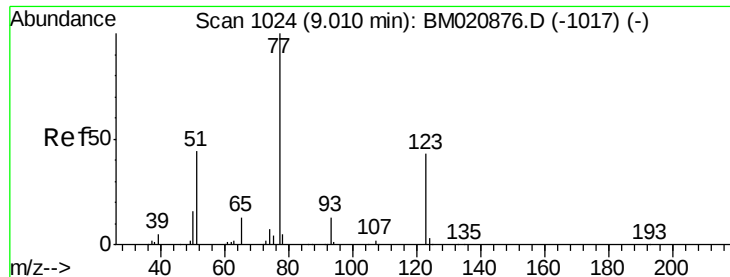
65 28.6 23.3 34.9

66 36.9 32.1 48.1



Abundance Ion 94.00 (93.70 to 94.70): BM0
Ion 65.00 (64.70 to 65.70): BM0
Ion 66.00 (65.70 to 66.70): BM0

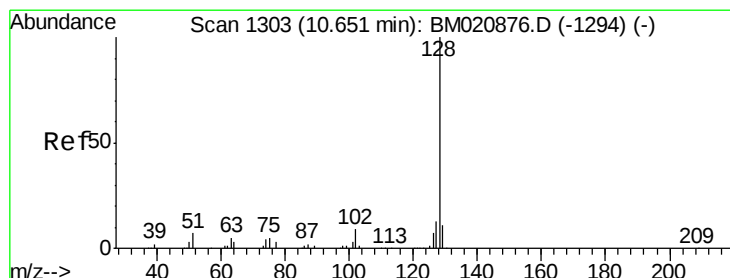
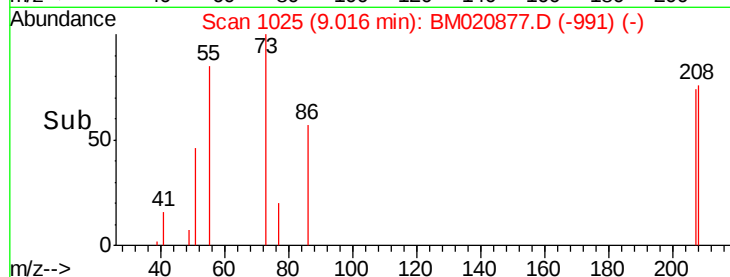
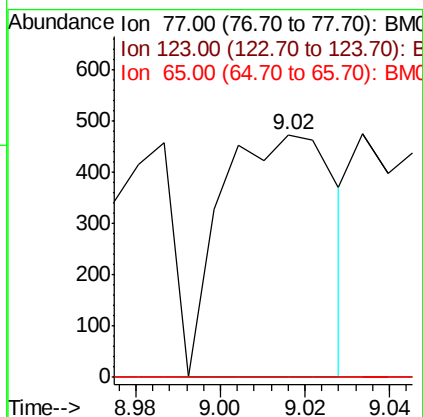
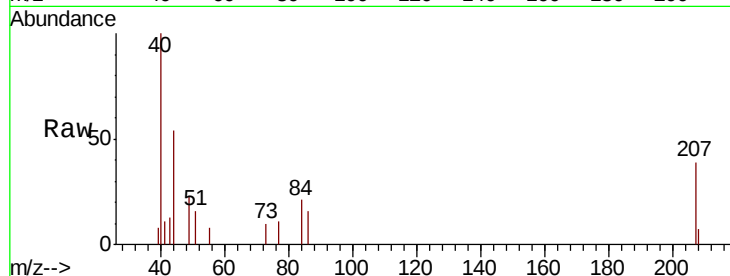




#20
Nitrobenzene
Concen: 2.151 ng/ul
RT: 9.02 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BM020877.D
Acq: 11 Jun 2019 16:47

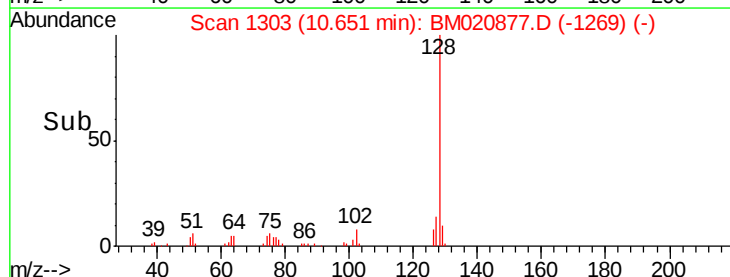
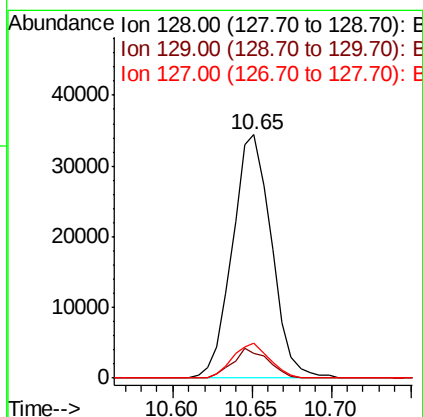
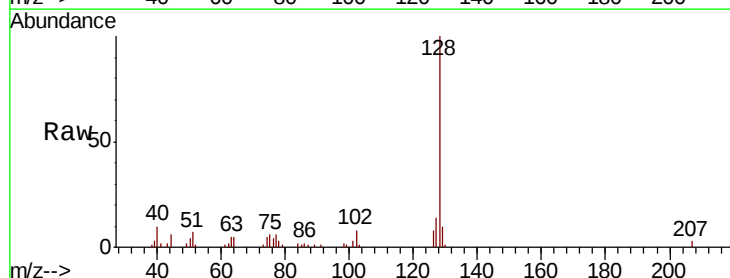
Instrument :
BNA_M
ClientSampleId :
A51H4

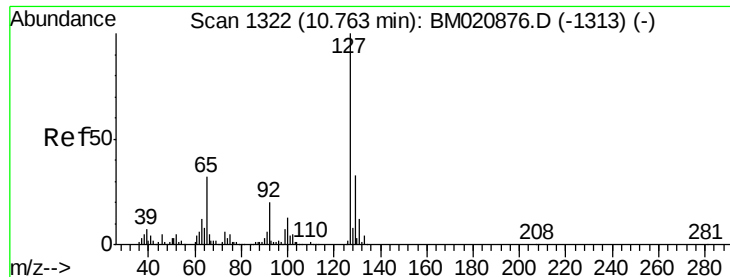
Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	35.0	52.4#
65	0.0	10.6	16.0#



#28
Naphthalene
Concen: 52.265 ng/ul
RT: 10.65 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BM020877.D
Acq: 11 Jun 2019 16:47

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.0	8.6	13.0
127	14.2	10.2	15.2

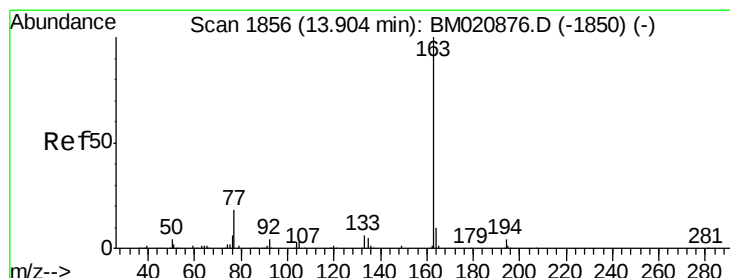
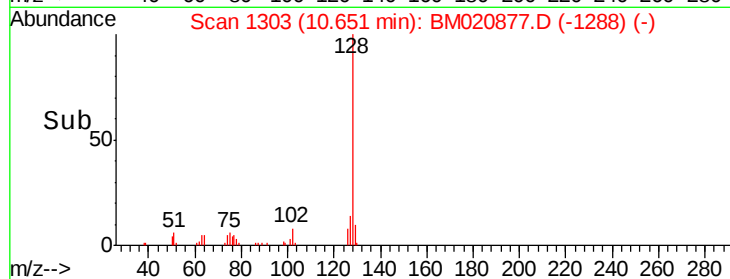
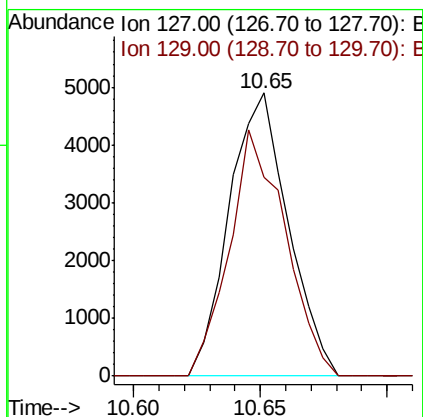
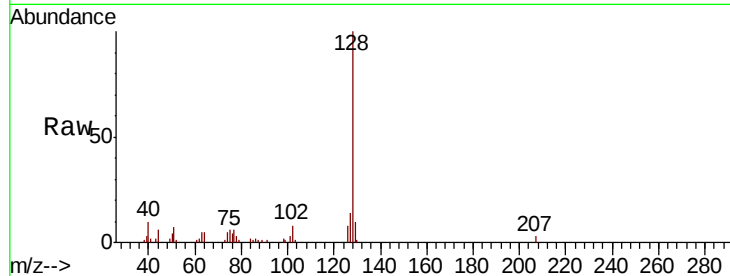




#30
4-Chloroaniline
Concen: 18.330 ng/ul
RT: 10.65 min Scan# 1303
Delta R.T. -0.11 min
Lab File: BM020877.D
Acq: 11 Jun 2019 16:47

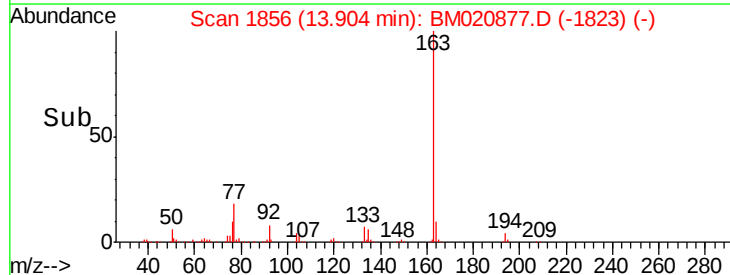
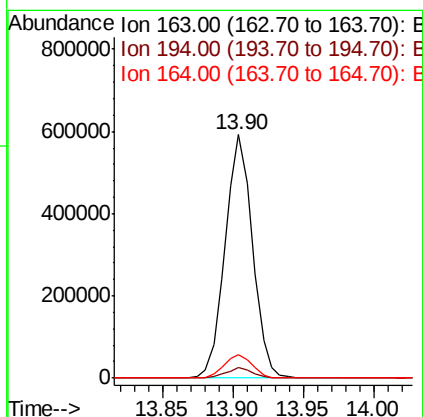
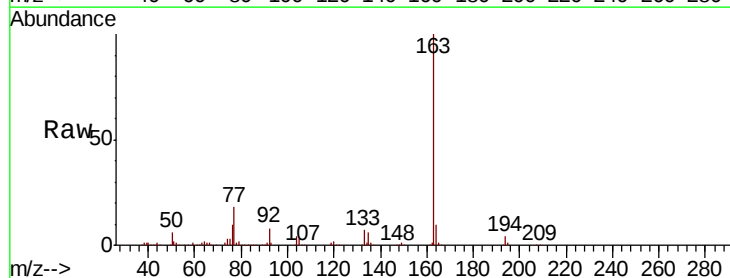
Instrument :
BNA_M
ClientSampled :
A51H4

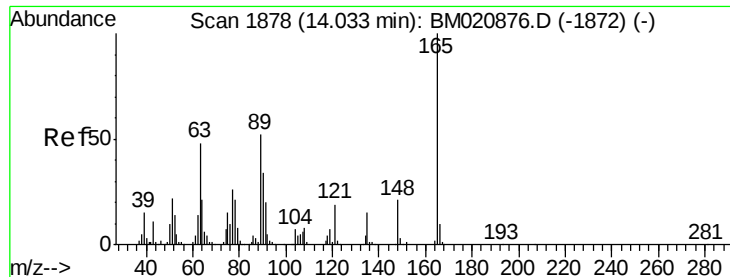
Tot Ion:127 Resp: 7930
Ion Ratio Lower Upper
127 100
129 70.2 27.0 40.4#



#44
Dimethylphthalate
Concen: 756.134 ng/ul
RT: 13.90 min Scan# 1856
Delta R.T. -0.01 min
Lab File: BM020877.D
Acq: 11 Jun 2019 16:47

Tgt Ion:163 Resp: 801704
Ion Ratio Lower Upper
163 100
194 4.3 3.2 4.8
164 9.8 8.0 12.0

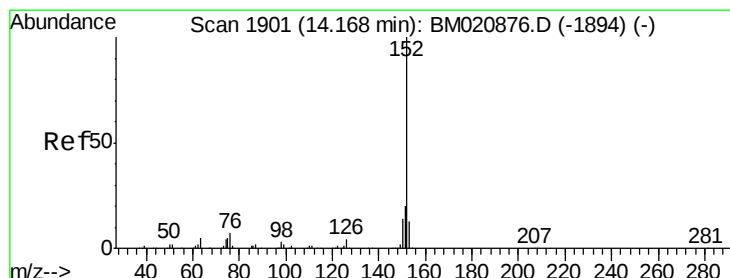
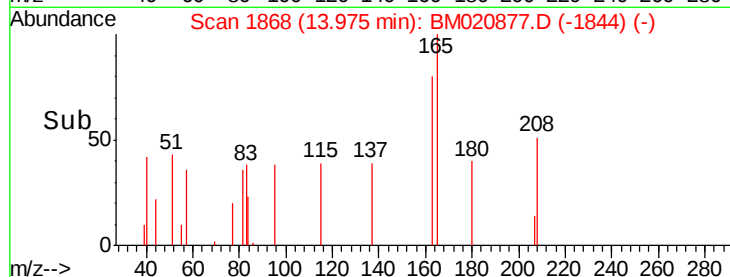
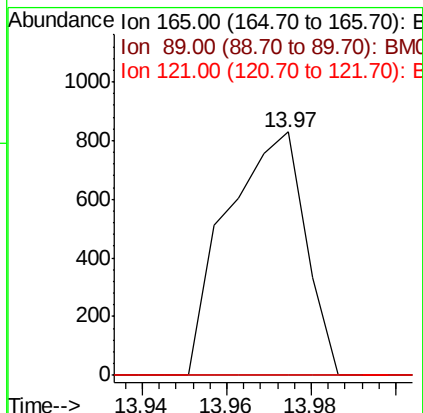
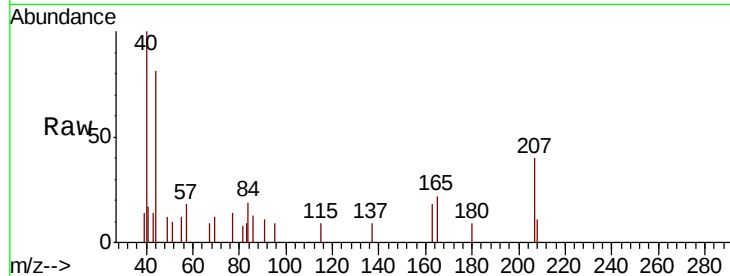




#45
 2,6-Dinitrotoluene
 Concen: 5.390 ng/ul
 RT: 13.97 min Scan# 1868
 Delta R.T. -0.06 min
 Lab File: BM020877.D
 Acq: 11 Jun 2019 16:47

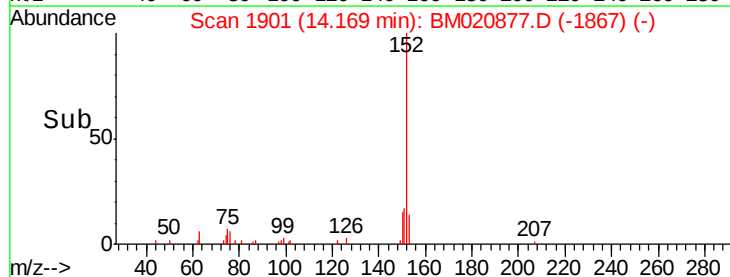
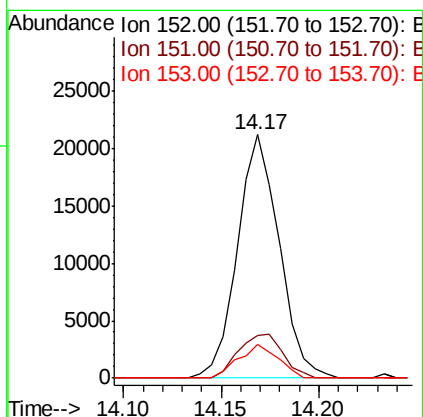
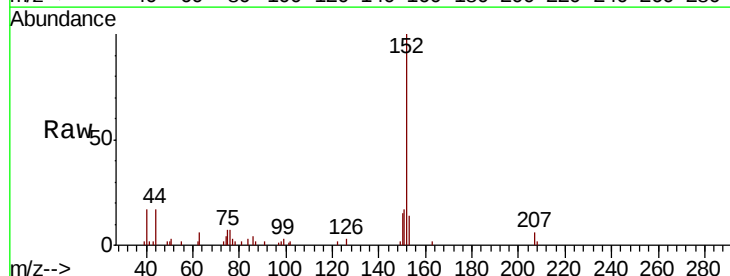
Instrument :
 BNA_M
 ClientSampleId :
 A51H4

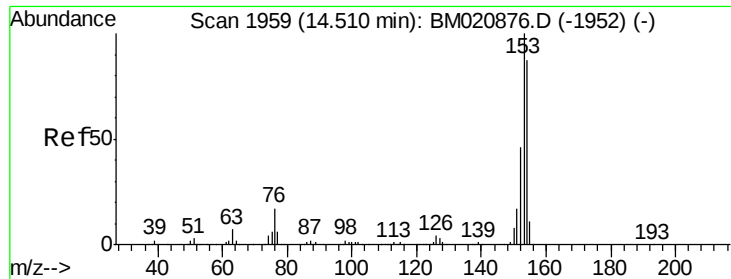
Tot Ion:165 Resp: 1072
 Ion Ratio Lower Upper
 165 100
 89 0.0 43.1 64.7#
 121 0.0 16.9 25.3#



#47
 Acenaphthylene
 Concen: 24.132 ng/ul
 RT: 14.17 min Scan# 1901
 Delta R.T. 0.00 min
 Lab File: BM020877.D
 Acq: 11 Jun 2019 16:47

Tgt Ion:152 Resp: 31347
 Ion Ratio Lower Upper
 152 100
 151 17.4 16.2 24.2
 153 13.7 10.6 15.8





#49

Acenaphthene

Concen: 29.290 ng/ul

RT: 14.51 min Scan# 1959

Delta R.T. -0.01 min

Lab File: BM020877.D

Acq: 11 Jun 2019 16:47

Instrument :

BNA_M

ClientSampleId :

A51H4

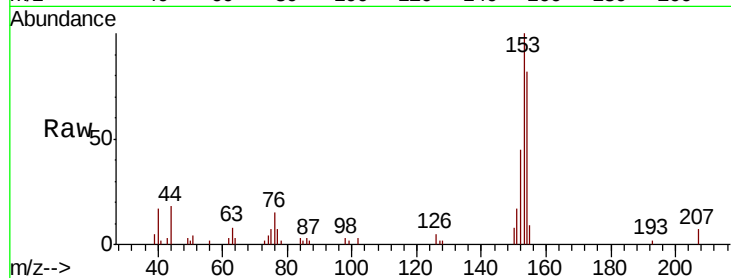
Tot Ion:153 Resp: 26560

Ion Ratio Lower Upper

153 100

152 44.8 37.3 55.9

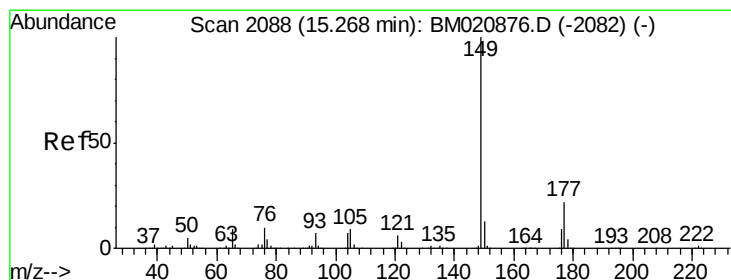
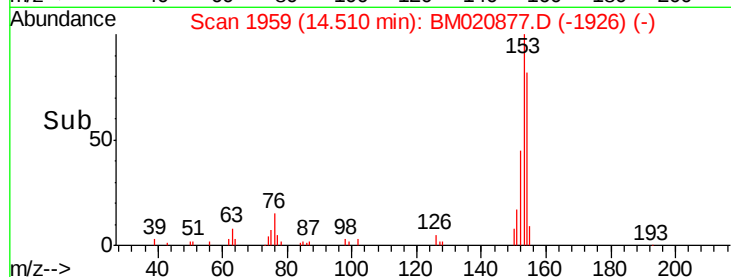
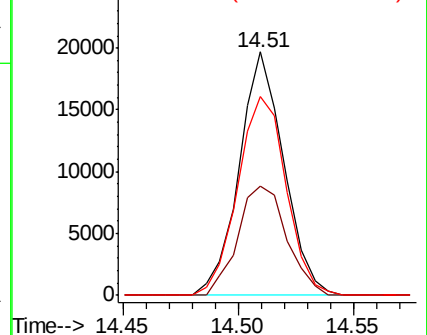
154 81.8 68.7 103.1



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



#56

Diethylphthalate

Concen: 1.036 ng/ul

RT: 15.27 min Scan# 2088

Delta R.T. -0.01 min

Lab File: BM020877.D

Acq: 11 Jun 2019 16:47

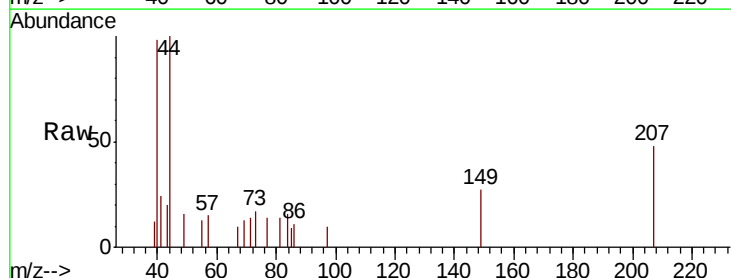
Tgt Ion:149 Resp: 1097

Ion Ratio Lower Upper

149 100

177 0.0 17.3 25.9#

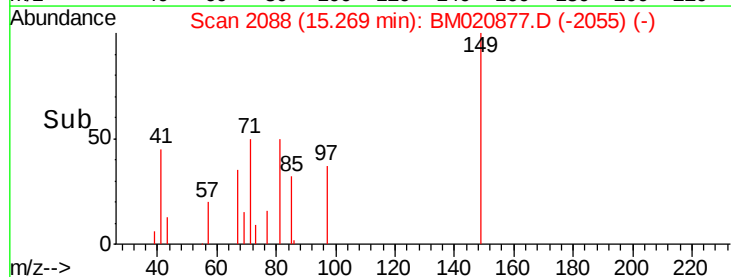
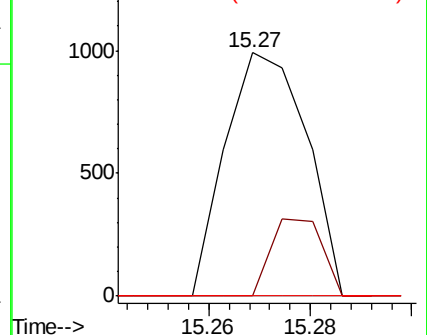
150 0.0 9.8 14.8#

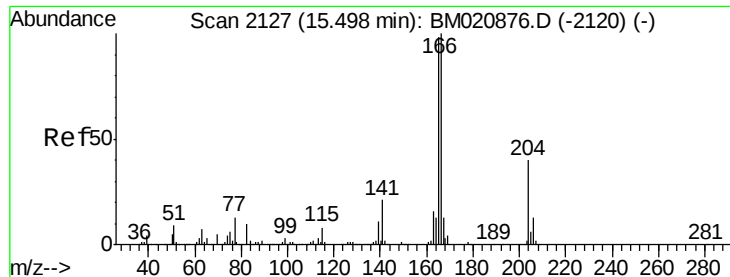


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#58

Fluorene

Concen: 23.649 ng/ul

RT: 15.50 min Scan# 2127

Delta R.T. 0.00 min

Lab File: BM020877.D

Acq: 11 Jun 2019 16:47

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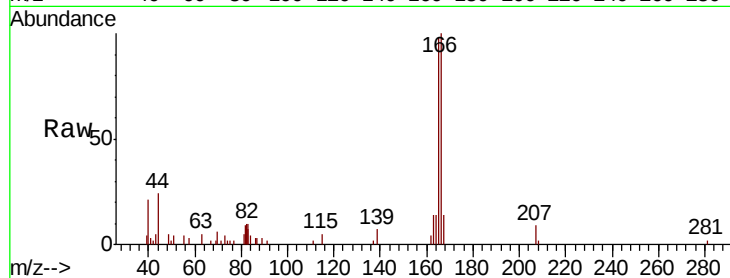
Tot Ion:166 Resp: 24353

Ion Ratio Lower Upper

166 100

165 98.0 78.6 117.8

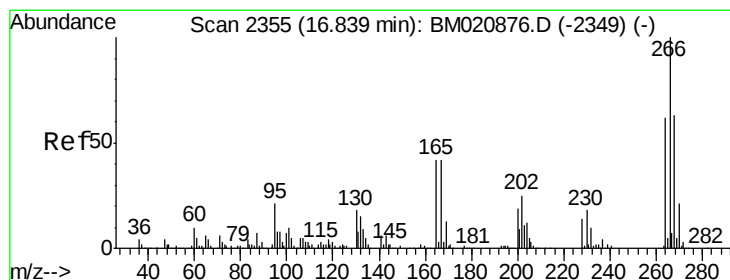
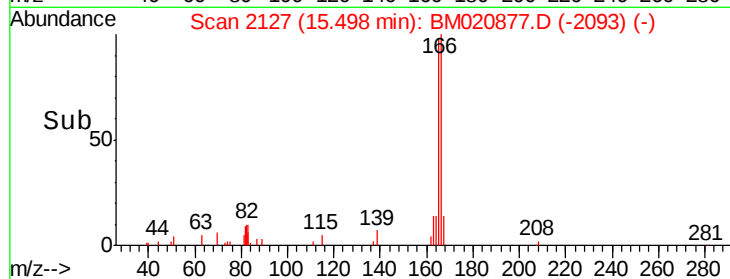
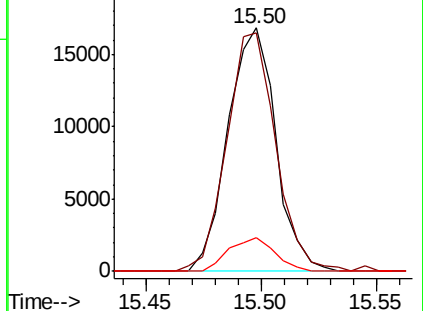
167 13.9 10.8 16.2



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



#68

Pentachlorophenol

Concen: 15.662 ng/ul

RT: 16.84 min Scan# 2355

Delta R.T. 0.00 min

Lab File: BM020877.D

Acq: 11 Jun 2019 16:47

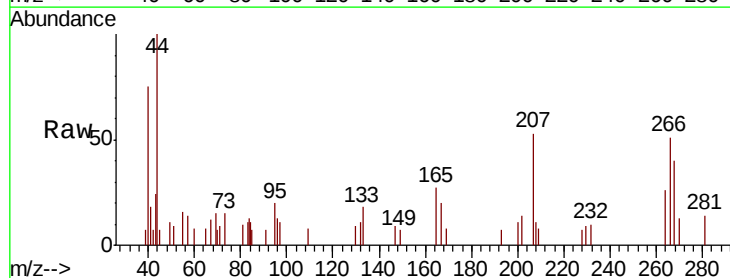
Tgt Ion:266 Resp: 3596

Ion Ratio Lower Upper

266 100

264 51.3 50.3 75.5

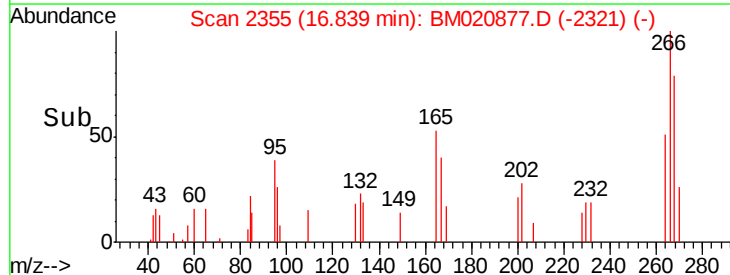
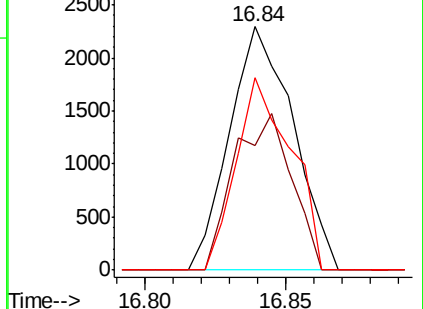
268 79.3 51.2 76.8#

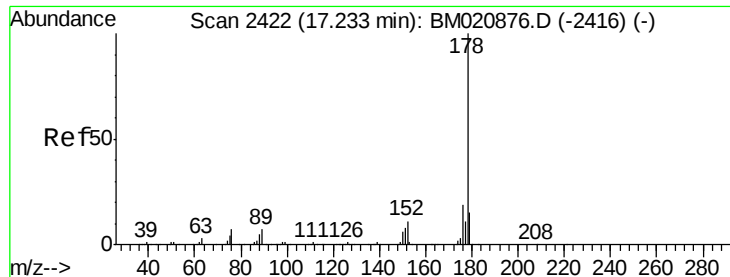


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#69

Phenanthrene

Concen: 26.925 ng/ul

RT: 17.23 min Scan# 2422

Delta R.T. -0.01 min

Lab File: BM020877.D

Acq: 11 Jun 2019 16:47

Instrument :

BNA_M

ClientSampleId :

A51H4

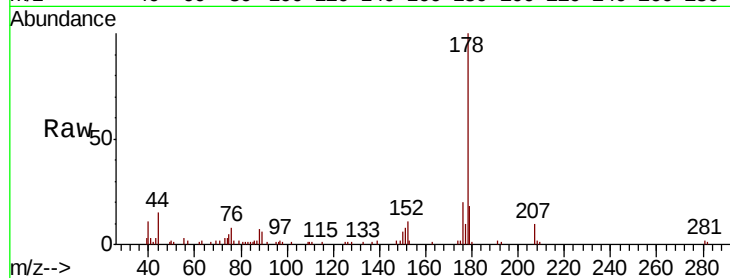
Tot Ion:178 Resp: 44534

Ion Ratio Lower Upper

178 100

179 18.3 12.3 18.5

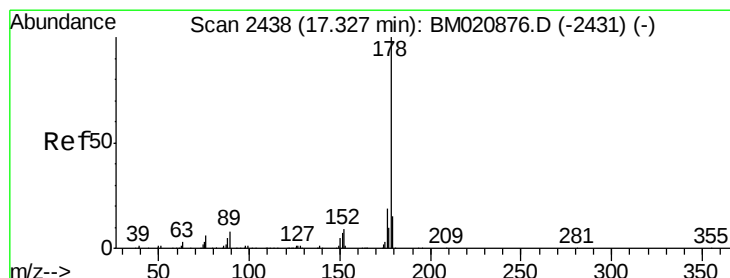
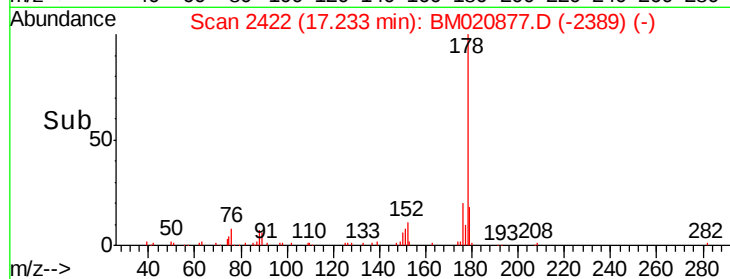
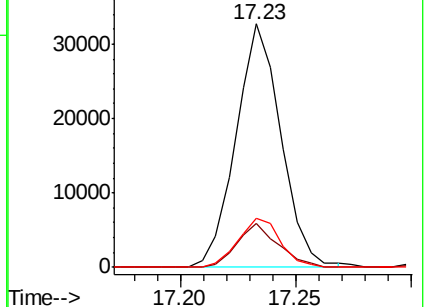
176 20.1 14.8 22.2



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: 24.927 ng/ul

RT: 17.33 min Scan# 2438

Delta R.T. 0.00 min

Lab File: BM020877.D

Acq: 11 Jun 2019 16:47

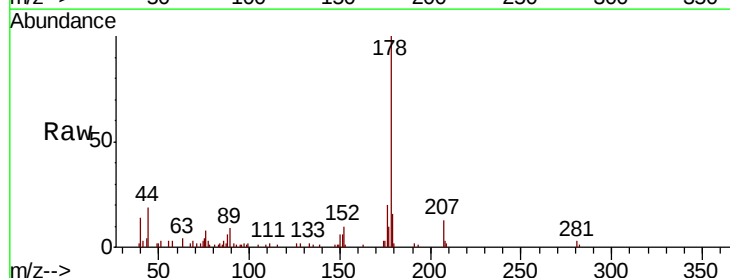
Tgt Ion:178 Resp: 42261

Ion Ratio Lower Upper

178 100

179 15.5 12.1 18.1

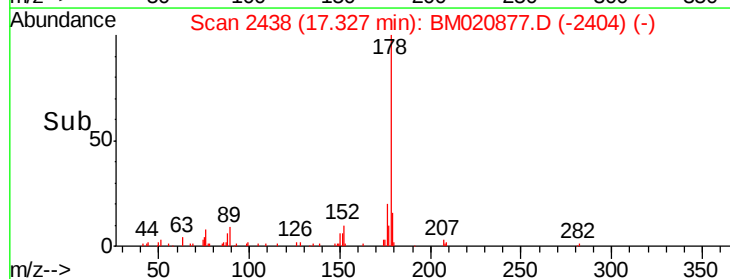
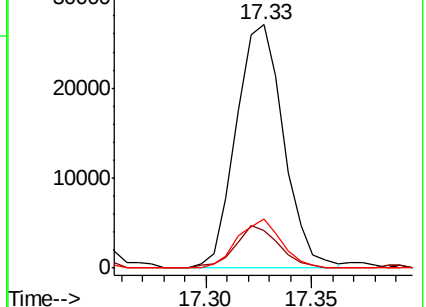
176 20.1 14.9 22.3

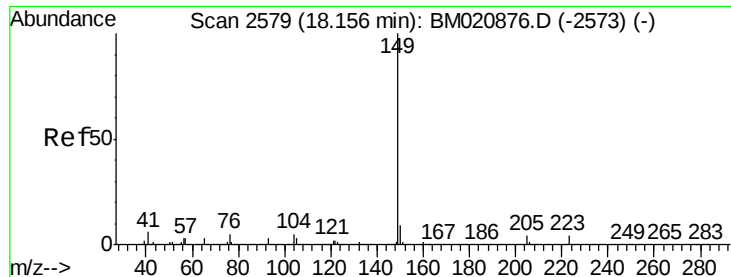


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

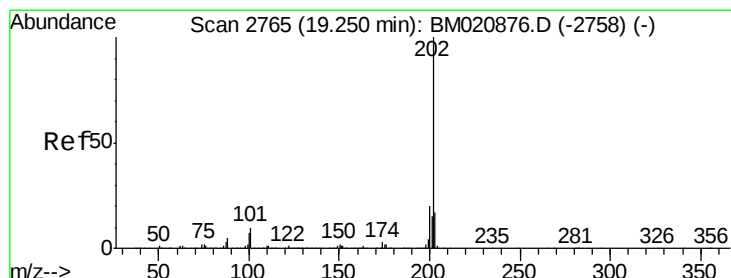
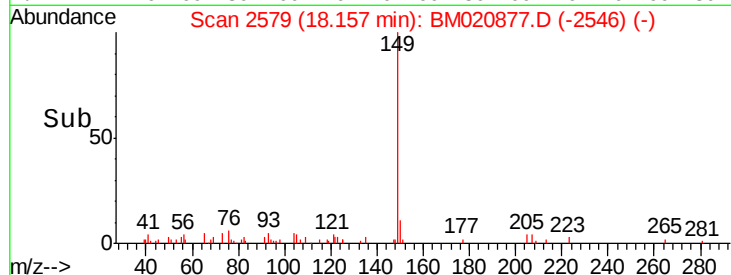
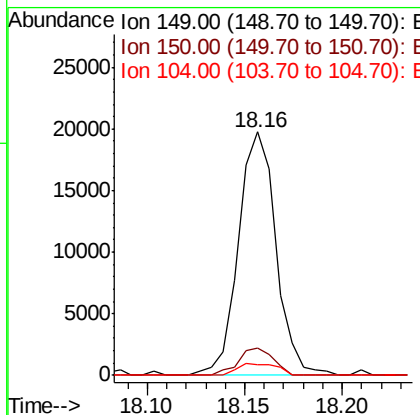
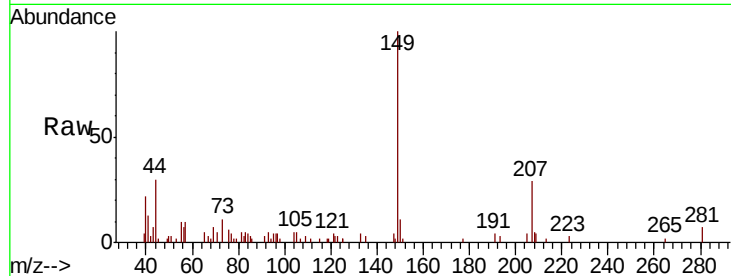




#75
Di-n-butylphthalate
Concen: 14.328 ng/ul
RT: 18.16 min Scan# 2579
Delta R.T. -0.01 min
Lab File: BM020877.D
Acq: 11 Jun 2019 16:47

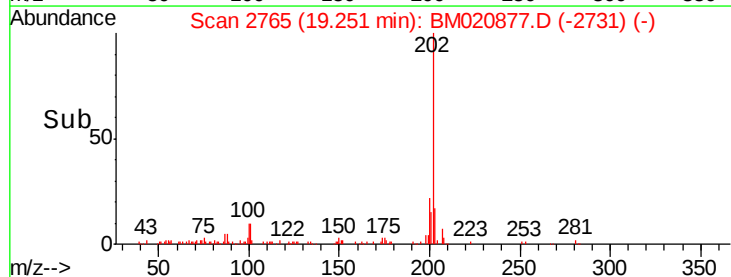
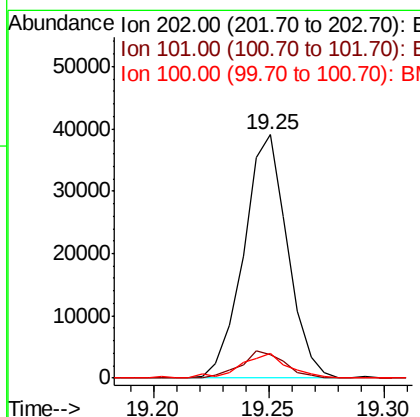
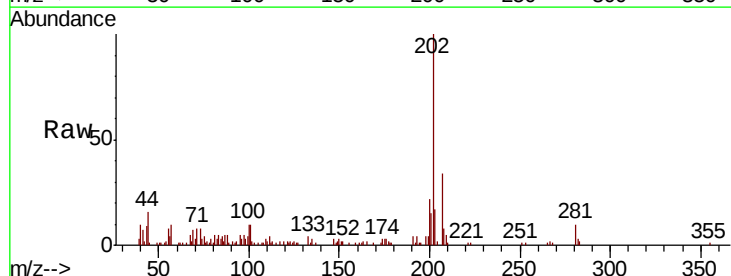
Instrument :
BNA_M
ClientSampleId :
A51H4

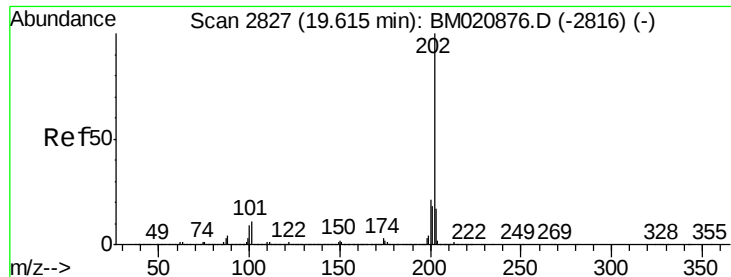
Tot Ion:149 Resp: 26409
Ion Ratio Lower Upper
149 100
150 11.2 7.3 10.9#
104 4.6 4.0 6.0



#76
Fluoranthene
Concen: 27.220 ng/ul
RT: 19.25 min Scan# 2765
Delta R.T. 0.00 min
Lab File: BM020877.D
Acq: 11 Jun 2019 16:47

Tgt Ion:202 Resp: 51594
Ion Ratio Lower Upper
202 100
101 9.7 7.9 11.9
100 10.3 6.2 9.4#

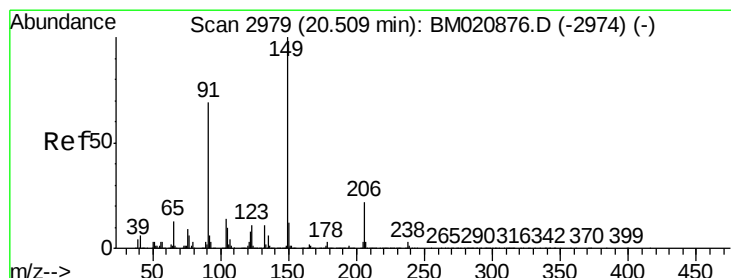
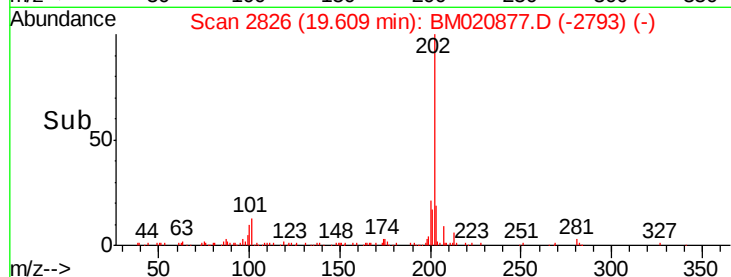
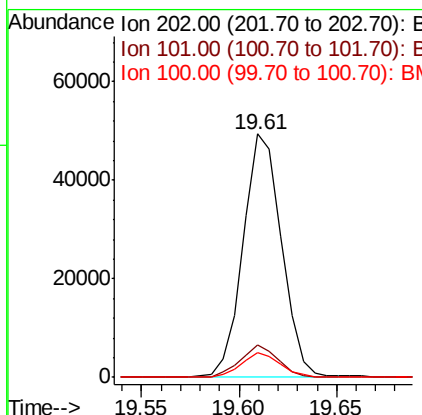
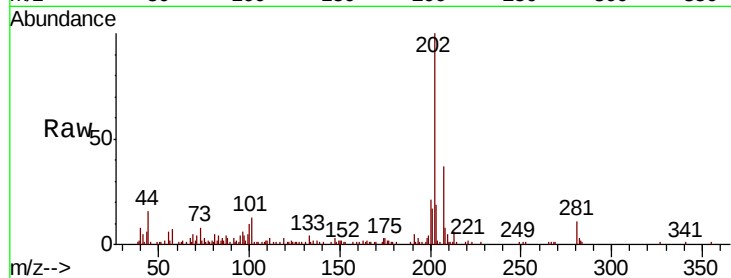




#79
Pvrene
Concen: 31.986 ng/ul
RT: 19.61 min Scan# 2826
Delta R.T. -0.01 min
Lab File: BM020877.D
Acq: 11 Jun 2019 16:47

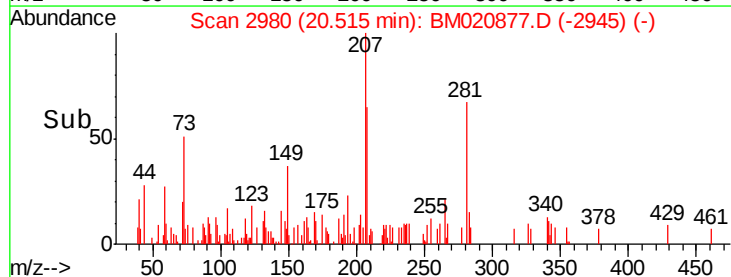
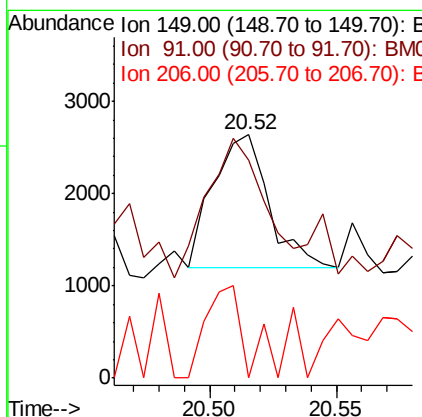
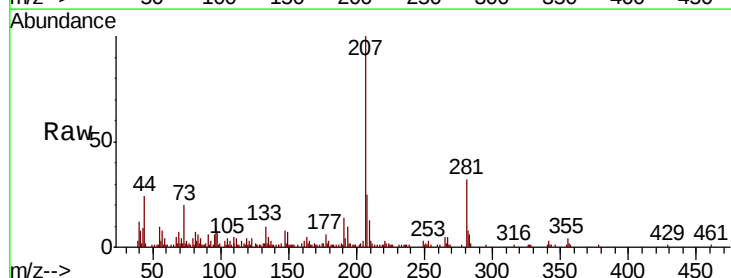
Instrument :
BNA_M
ClientSampleId :
A51H4

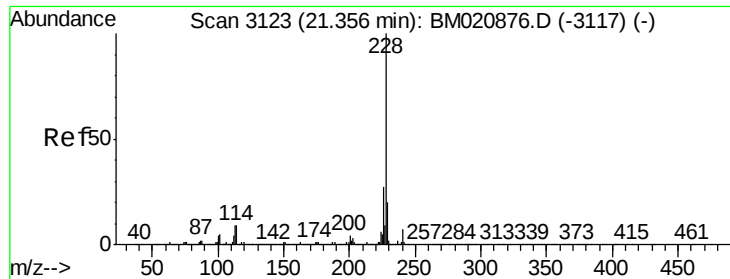
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.3	9.8	14.6
100	10.1	8.0	12.0



#80
Butylbenzylphthalate
Concen: 2.547 ng/ul
RT: 20.52 min Scan# 2980
Delta R.T. 0.01 min
Lab File: BM020877.D
Acq: 11 Jun 2019 16:47

Tgt Ion	Ratio	Lower	Upper
149	100		
91	89.3	55.8	83.6#
206	0.0	16.2	24.4#





#82

Benzo(a)anthracene

Concen: 24.439 ng/ul

RT: 21.36 min Scan# 3123

Delta R.T. 0.00 min

Lab File: BM020877.D

Acq: 11 Jun 2019 16:47

Instrument :

BNA_M

ClientSampled :

A51H4

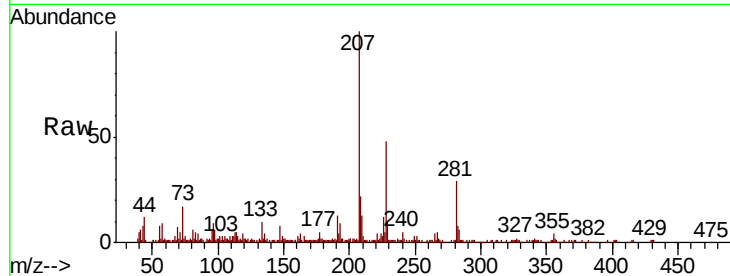
Tot Ion:228 Resp: 52364

Ion Ratio Lower Upper

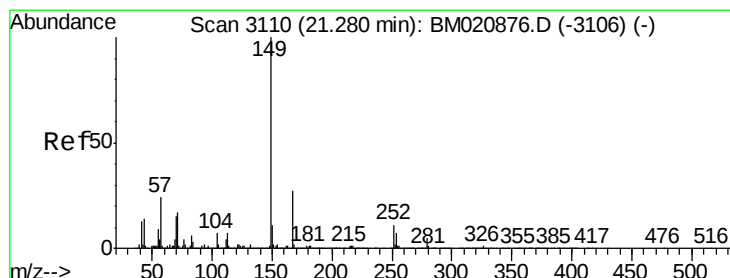
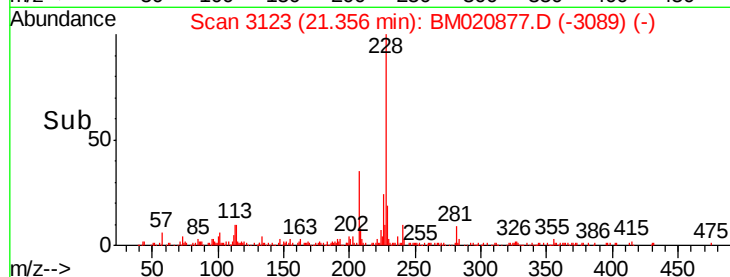
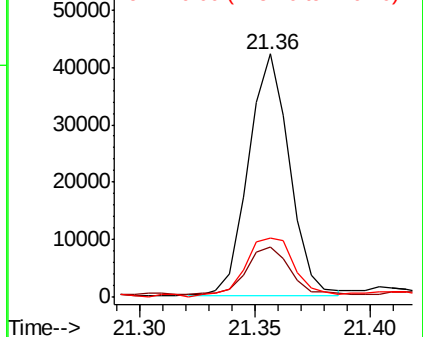
228 100

229 20.6 15.6 23.4

226 24.6 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: 4.589 ng/ul

RT: 21.28 min Scan# 3110

Delta R.T. -0.01 min

Lab File: BM020877.D

Acq: 11 Jun 2019 16:47

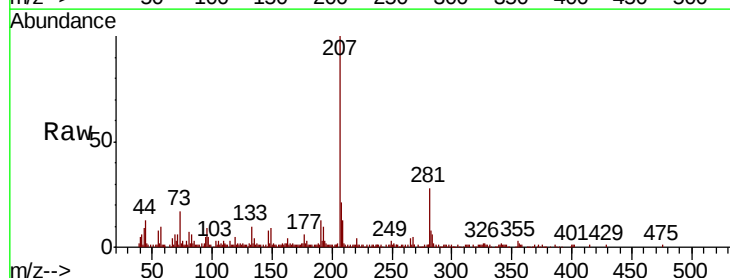
Tgt Ion:149 Resp: 6688

Ion Ratio Lower Upper

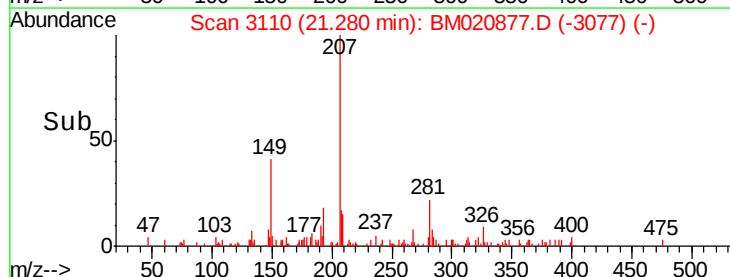
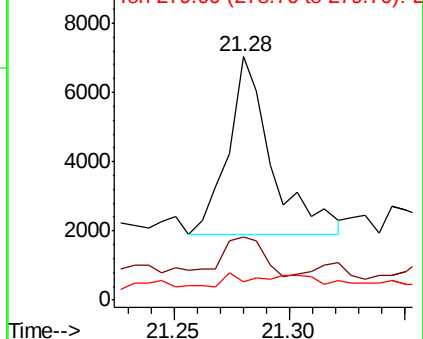
149 100

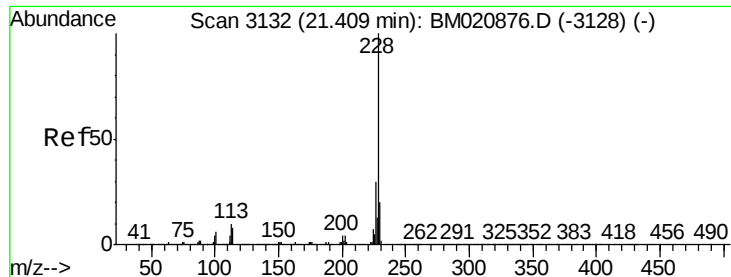
167 25.9 21.9 32.9

279 7.5 4.1 6.1#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





#84

Chrysene

Concen: 26.538 ng/ul

RT: 21.36 min Scan# 3123

Delta R.T. -0.05 min

Lab File: BM020877.D

Acq: 11 Jun 2019 16:47

Instrument :

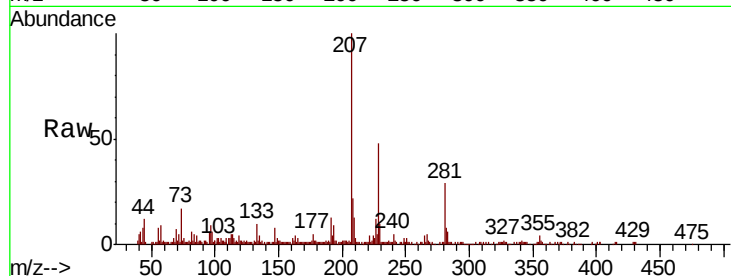
BNA_M

ClientSampled :

A51H4

Tot Ion:228 Resp: 52762

Ion	Ratio	Lower	Upper
228	100		
226	24.6	24.4	36.6
229	20.6	16.2	24.2

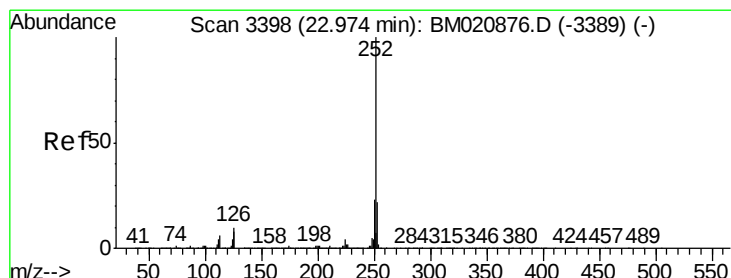
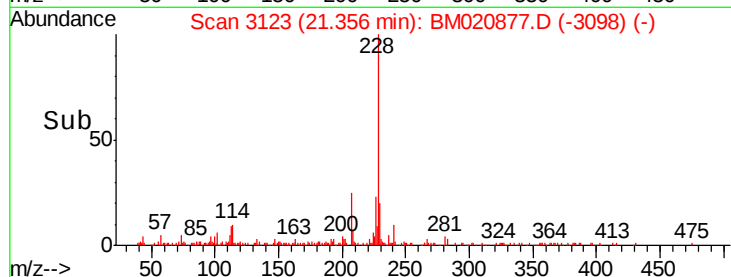
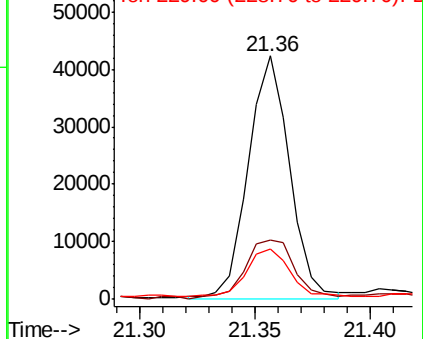


Abundance

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: 25.107 ng/ul

RT: 22.96 min Scan# 3396

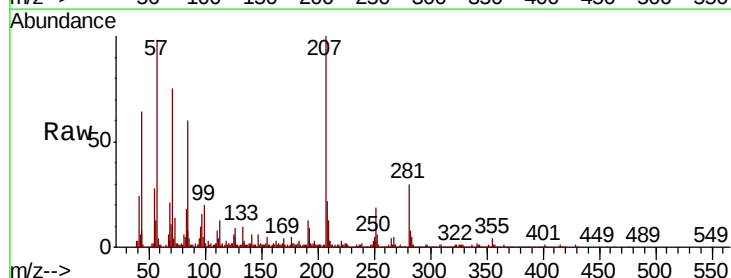
Delta R.T. -0.01 min

Lab File: BM020877.D

Acq: 11 Jun 2019 16:47

Tgt Ion:252 Resp: 55397

Ion	Ratio	Lower	Upper
252	100		
253	29.1	17.6	26.4#
125	32.7	7.3	10.9#

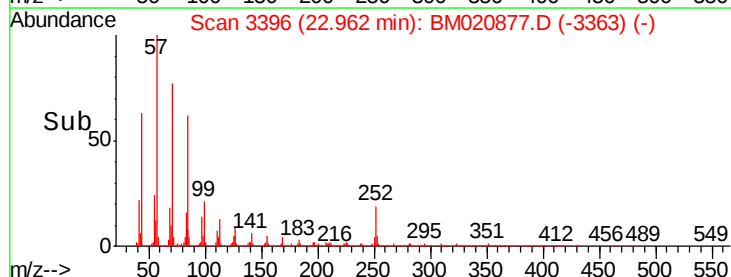
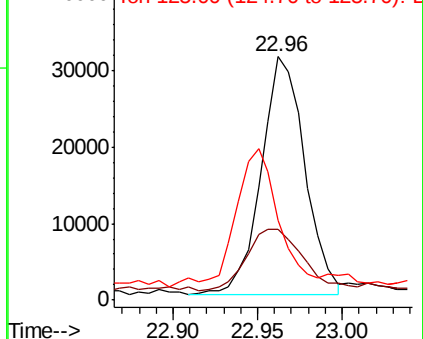


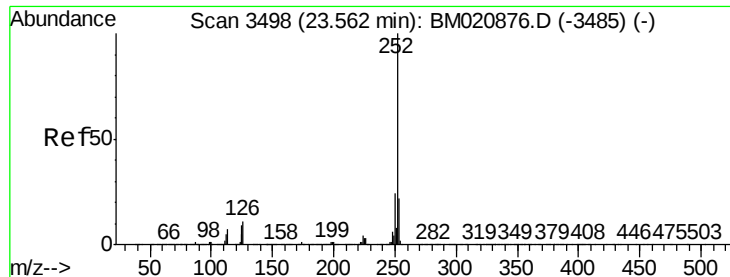
Abundance

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: 18.093 ng/ul

RT: 23.55 min Scan# 3496

Delta R.T. -0.01 min

Lab File: BM020877.D

Acq: 11 Jun 2019 16:47

Instrument :

BNA_M

ClientSampleId :

A51H4

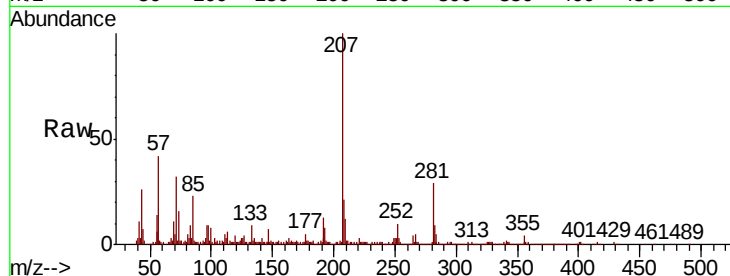
Tot Ion:252 Resp: 37981

Ion Ratio Lower Upper

252 100

253 32.3 17.0 25.6#

125 33.3 8.2 12.4#

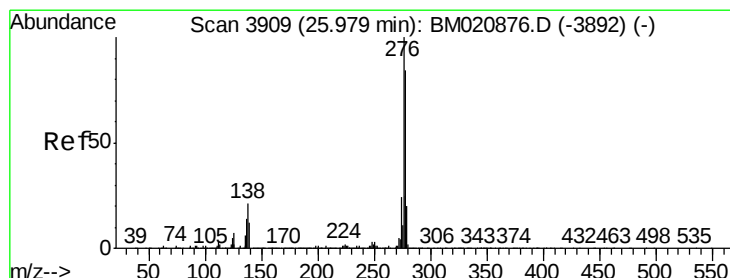
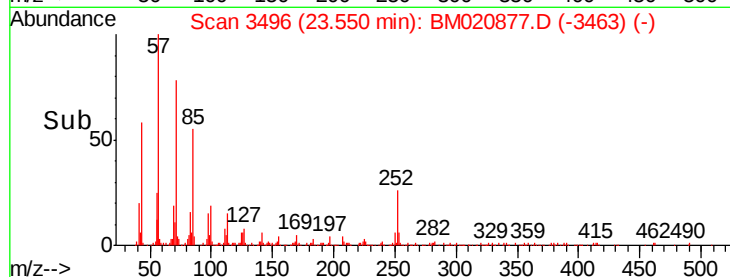
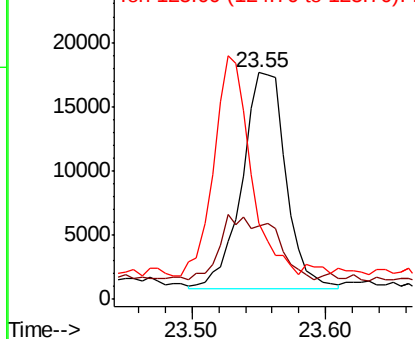


Abundance

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: 33.944 ng/ul

RT: 25.97 min Scan# 3907

Delta R.T. 0.00 min

Lab File: BM020877.D

Acq: 11 Jun 2019 16:47

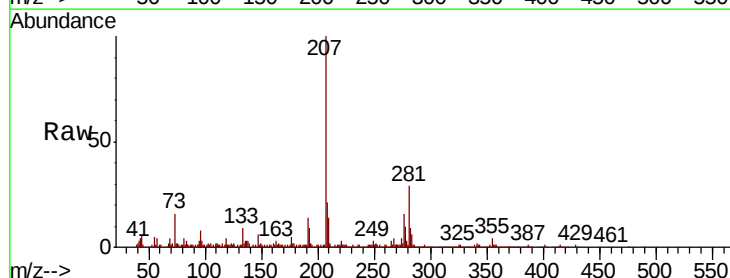
Tgt Ion:276 Resp: 84157

Ion Ratio Lower Upper

276 100

138 20.6 17.8 26.8

277 23.7 20.0 30.0

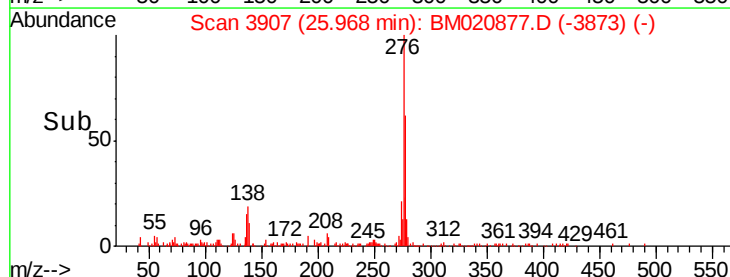
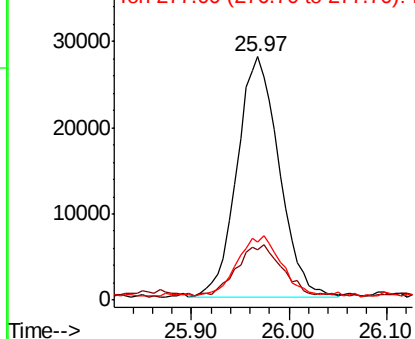


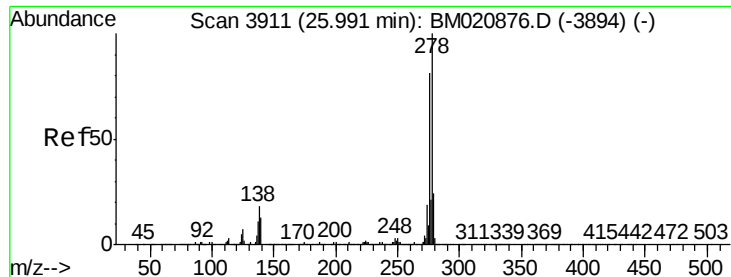
Abundance

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: 30.887 ng/ul

RT: 25.98 min Scan# 3909

Delta R.T. -0.01 min

Lab File: BM020877.D

Acq: 11 Jun 2019 16:47

Instrument :

BNA_M

ClientSampleId :

A51H4

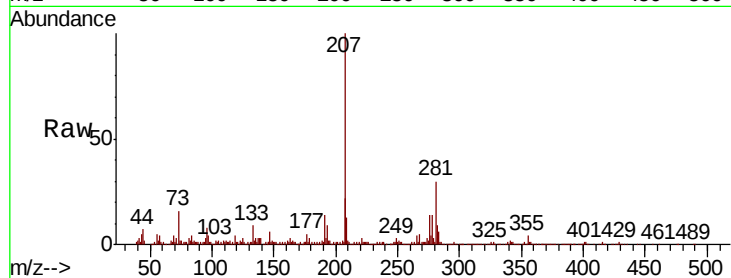
Tot Ion:278 Resp: 64886

Ion Ratio Lower Upper

278 100

139 18.4 11.6 17.4#

279 24.3 18.6 28.0

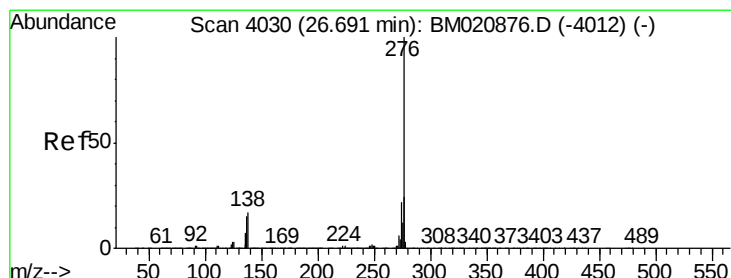
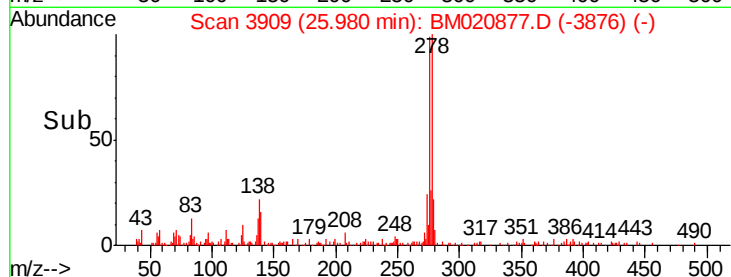
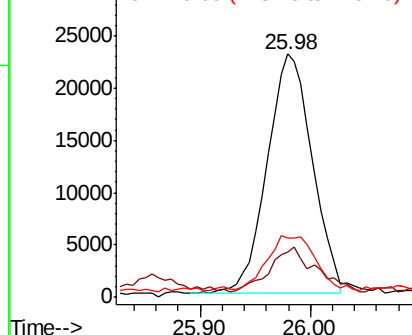


Abundance

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: 37.123 ng/ul

RT: 26.68 min Scan# 4028

Delta R.T. -0.01 min

Lab File: BM020877.D

Acq: 11 Jun 2019 16:47

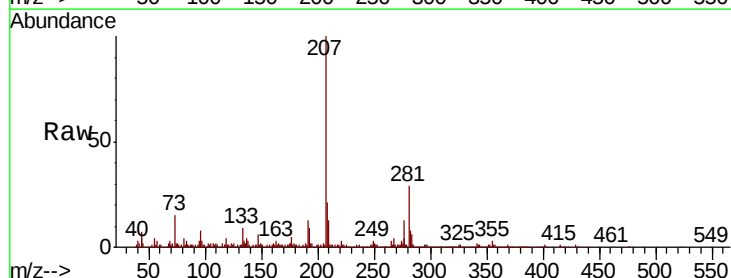
Tgt Ion:276 Resp: 74670

Ion Ratio Lower Upper

276 100

138 19.9 16.6 25.0

277 26.8 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

