

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052220\
 Data File : BM026101.D
 Acq On : 23 May 2020 04:53
 Operator : MA/SJ
 Sample : L2737-13
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: May 23 05:41:18 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 22 13:18:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.49	152	221714	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	845927	20.00	ng/ul	0.04
36) Acenaphthene-d10	14.14	164	528661	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.89	188	1080082	20.00	ng/ul	0.00
78) Chrysene-d12	21.09	240	1074759	20.00	ng/ul	0.00
86) Perylene-d12	23.21	264	1119005	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.07	96	29573	4.02	ng/uL	0.00
5) Phenol-d5	6.69	99	132391	6.58	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.85	67	342027	24.58	ng/ul	0.00
9) 2-Chlorophenol-d4	7.03	132	334542	21.25	ng/ul	0.00
13) 4-Methylphenol-d8	8.22	113	236264	15.59	ng/ul	0.01
19) Nitrobenzene-d5	8.64	128	208039	30.17	ng/ul	0.00
22) 2-Nitrophenol-d4	9.36	143	228345	33.47	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.92	165	388705	28.38	ng/ul	0.04
29) 4-Chloroaniline-d4	10.46	131	27779	2.00	ng/ul	0.06
44) Dimethylphthalate-d6	13.57	166	1231280	29.04	ng/ul	0.01
47) Acenaphthylene-d8	13.82	160	1473690	29.34	ng/ul	0.00
52) 4-Nitrophenol-d4	14.35	143	50186	6.68	ng/ul	-0.01
58) Fluorene-d10	15.14	176	1071462	29.06	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.28	200	177601	28.20	ng/ul	0.01
71) Anthracene-d10	16.99	188	1638179	30.78	ng/ul	0.01
79) Pyrene-d10	19.29	212	1774519	32.14	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.07	264	1698118	28.51	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	6.72	94	1025330	45.476	ng/ul	98
11) 2-Methylphenol	7.96	108	3199976	205.989	ng/ul	99
14) Acetophenone	8.33	105	170192	6.693	ng/ul#	79
16) 4-Methylphenol	8.28	108	3256075	192.731	ng/ul	88
17) Hexachloroethane	8.59	117	18723	2.543	ng/ul#	10
20) Nitrobenzene	8.73	77	42622	2.012	ng/ul#	32
24) 2,4-Dimethylphenol	9.50	107	5190243	273.982	ng/ul	97
25) Bis(2-Chloroethoxy)methane	9.73	93	248969	11.205	ng/ul#	1
30) 4-Chloroaniline	10.39	127	16010050	1103.226	ng/ul#	17
33) 4-Chloro-3-methylphenol	11.63	107	21634	1.315	ng/ul#	26
34) 2-Methylnaphthalene	11.93	142	3852143	110.731	ng/ul	99
35) 1-Methylnaphthalene	12.16	142	3855520	119.457	ng/ul	100
41) 1,1'-Biphenyl	12.96	154	750433	15.997	ng/ul	98
45) Dimethylphthalate	13.61	163	159385	3.581	ng/ul	97
48) Acenaphthylene	13.85	152	142323	2.581	ng/ul#	83
50) Acenaphthene	14.22	153	8790087	226.035	ng/ul	98
54) Dibenzofuran	14.55	168	5375599	98.362	ng/ul	100
59) Fluorene	15.20	166	4639345	104.941	ng/ul	99
65) N-Nitrosodiphenylamine	15.45	169	52557	1.452	ng/ul#	1
70) Phenanthrene	16.94	178	10032715	147.464	ng/ul	98
72) Anthracene	17.02	178	976782	14.310	ng/ul	98
75) Carbazole	17.32	167	12383453	219.295	ng/ul	97
77) Fluoranthene	18.96	202	2570534	36.019	ng/ul	99

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QLast Update : Fri May 22 13:18:41 2020
Response via : Initial Calibration

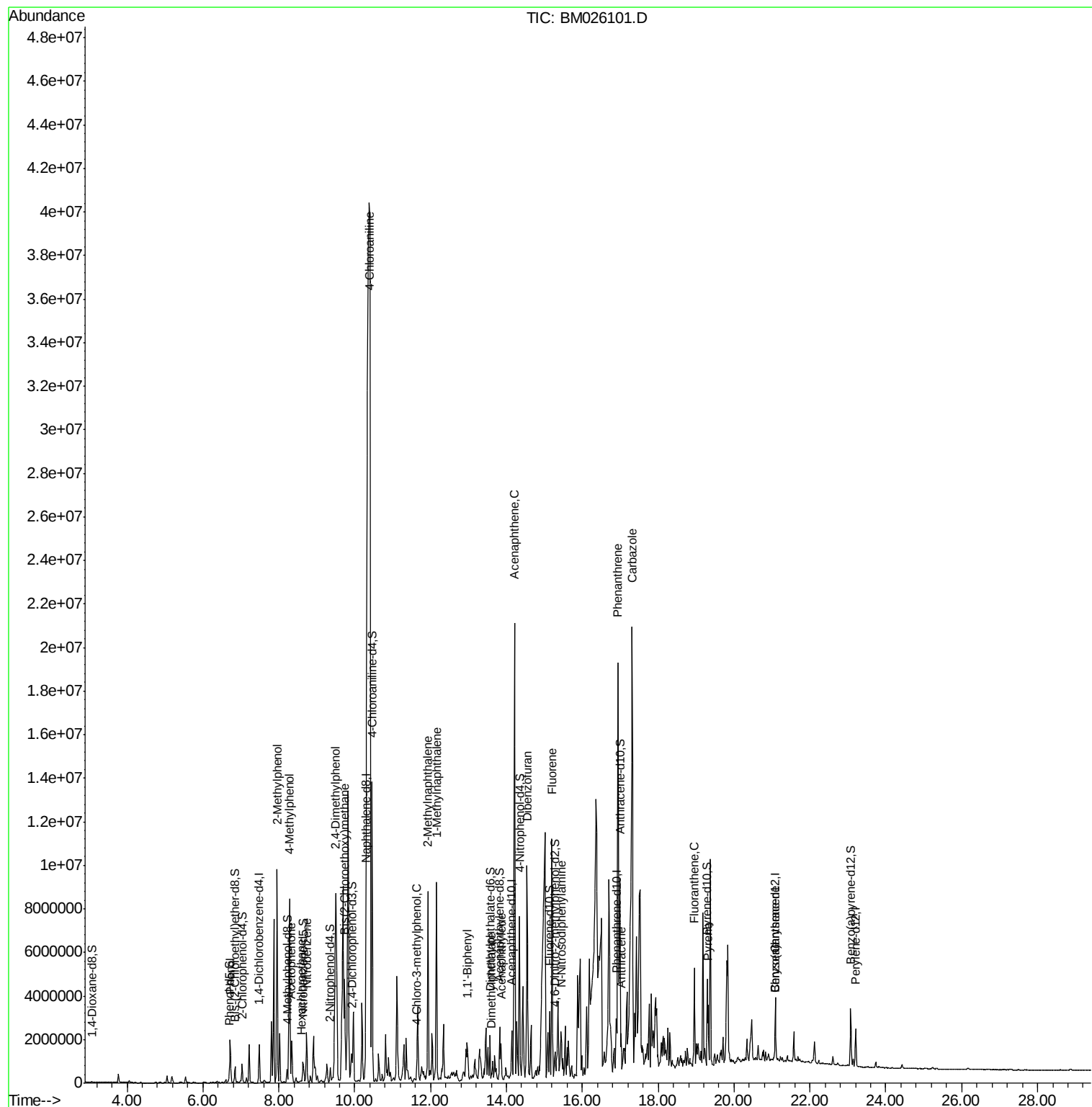
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Pyrene	19.32	202	1592945	21.112	ng/ul	98
83) Benzo(a)anthracene	21.07	228	108780	1.468	ng/ul	94
85) Chrysene	21.07	228	112929	1.534	ng/ul	96

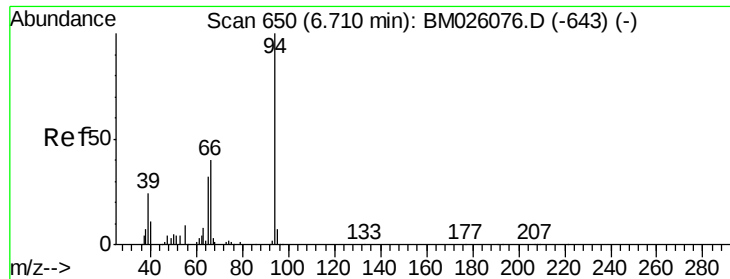
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 45.476 ng/ul

RT: 6.72 min Scan# 651

Delta R.T. 0.01 min

Lab File: BM026101.D

Acq: 23 May 2020 04:53

Instrument :

BNA_M

ClientSampleId :

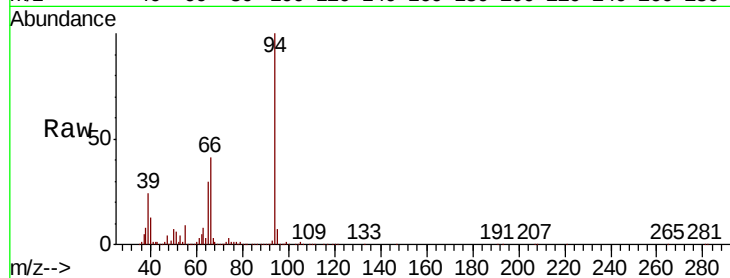
Tot Ion: 94 Resp: 1025330

Ion Ratio Lower Upper

94 100

65 30.3 25.8 38.8

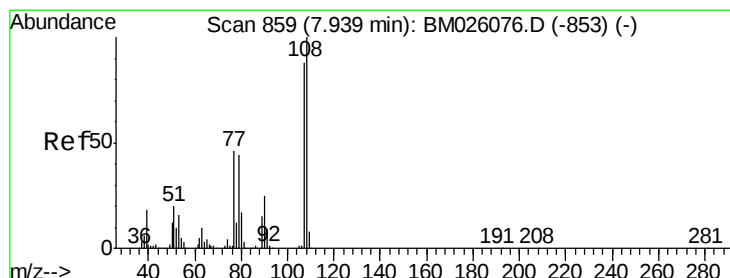
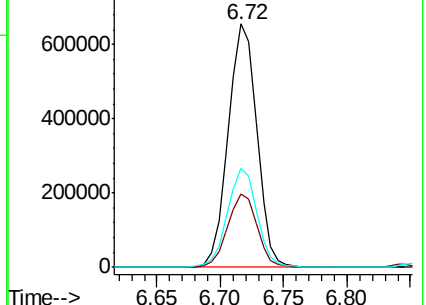
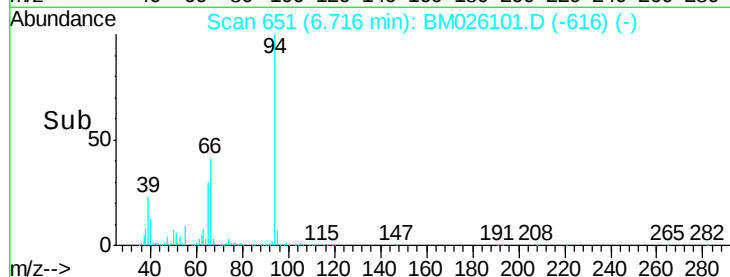
66 40.8 33.3 49.9



Abundance Ion 94.00 (93.70 to 94.70): BM026101.D (-643) (-)

Ion 65.00 (64.70 to 65.70): BM026101.D (-643) (-)

Ion 66.00 (65.70 to 66.70): BM026101.D (-643) (-)



#11

2-Methylphenol

Concen: 205.989 ng/ul

RT: 7.96 min Scan# 862

Delta R.T. 0.02 min

Lab File: BM026101.D

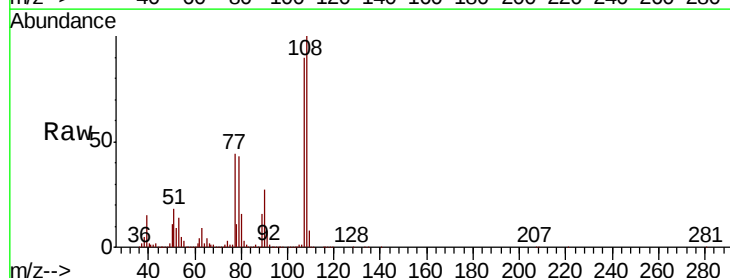
Acq: 23 May 2020 04:53

Tgt Ion: 108 Resp: 3199976

Ion Ratio Lower Upper

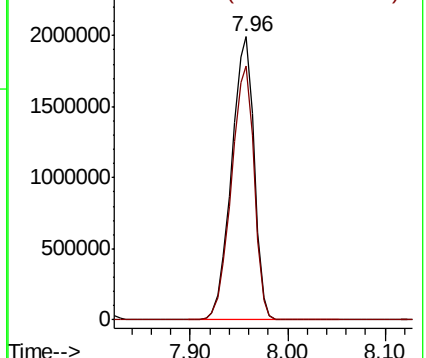
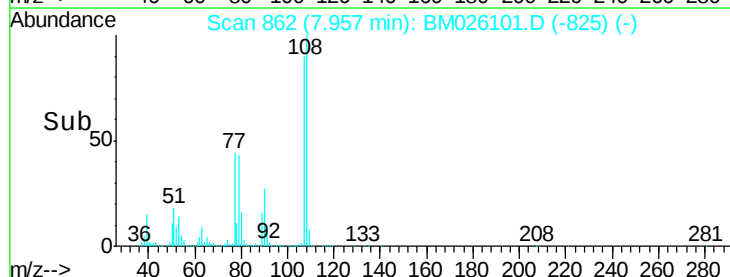
108 100

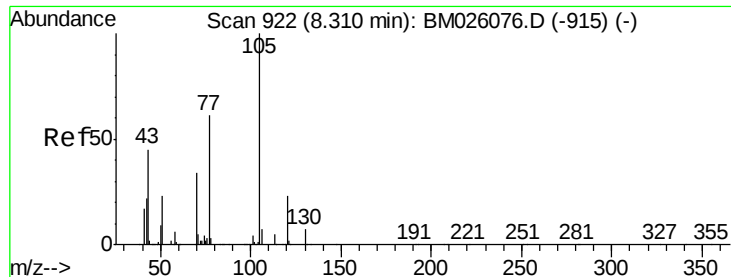
107 89.7 72.3 108.5



Abundance Ion 108.00 (107.70 to 108.70): BM026101.D (-853) (-)

Ion 107.00 (106.70 to 107.70): BM026101.D (-853) (-)





#14

Acetophenone

Concen: 6.693 ng/ul

RT: 8.33 min Scan# 925

Delta R.T. 0.02 min

Lab File: BM026101.D

Acq: 23 May 2020 04:53

Instrument :

BNA_M

ClientSampled :

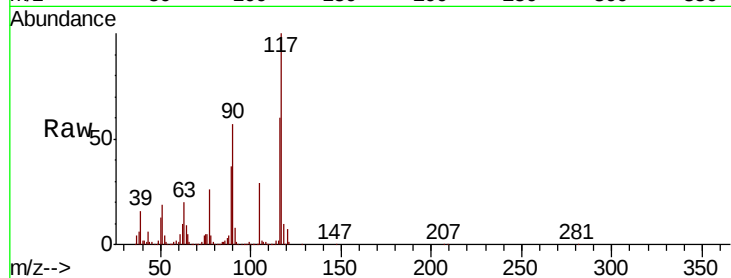
Tot Ion:105 Resp: 170192

Ion Ratio Lower Upper

105 100

77 90.0 67.2 100.8

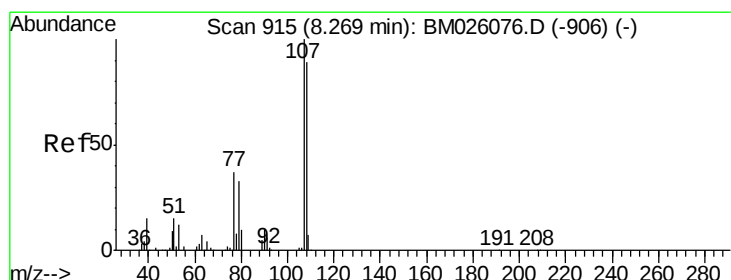
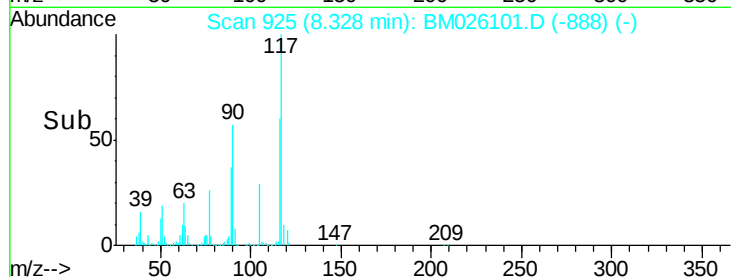
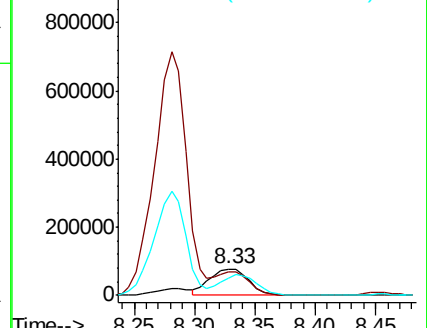
51 66.6 27.4 41.0#



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 51.00 (50.70 to 51.70): BM0



#16

4-Methylphenol

Concen: 192.731 ng/ul

RT: 8.28 min Scan# 917

Delta R.T. 0.01 min

Lab File: BM026101.D

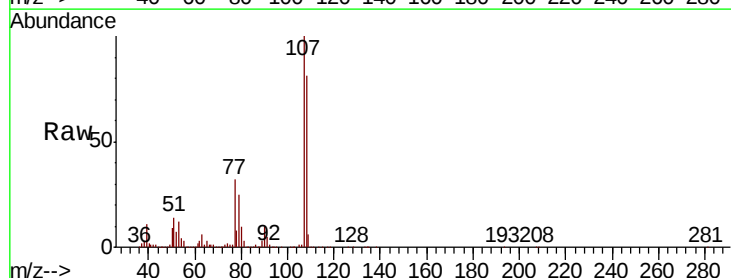
Acq: 23 May 2020 04:53

Tgt Ion:108 Resp: 3256075

Ion Ratio Lower Upper

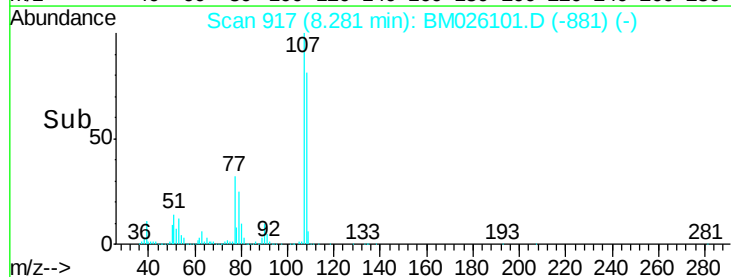
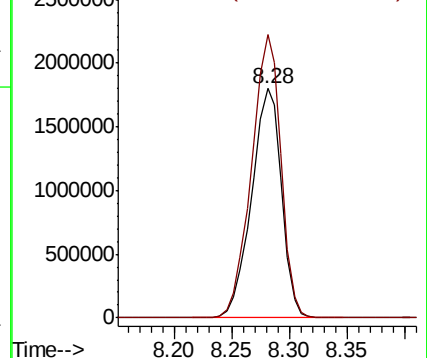
108 100

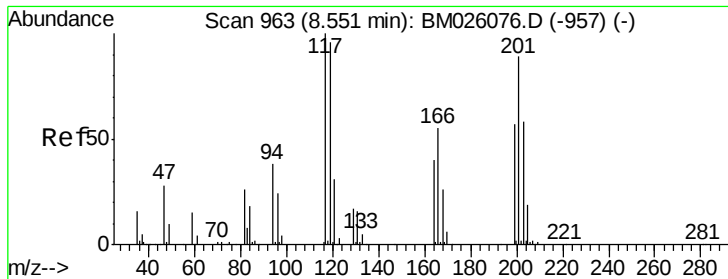
107 123.3 88.6 132.8



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E





#17

Hexachloroethane

Concen: 2.543 ng/ul

RT: 8.59 min Scan# 970

Delta R.T. 0.04 min

Lab File: BM026101.D

Acq: 23 May 2020 04:53

Instrument :

BNA_M

ClientSampleId :

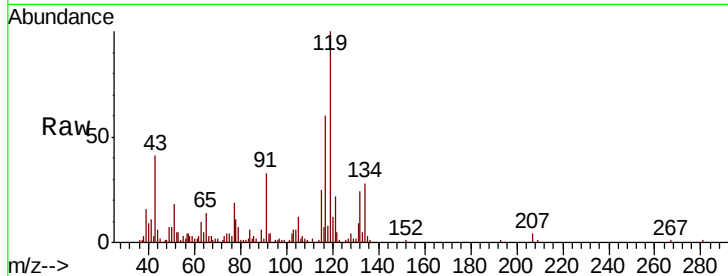
Tot Ion:117 Resp: 18723

Ion Ratio Lower Upper

117 100

201 0.0 74.5 111.7#

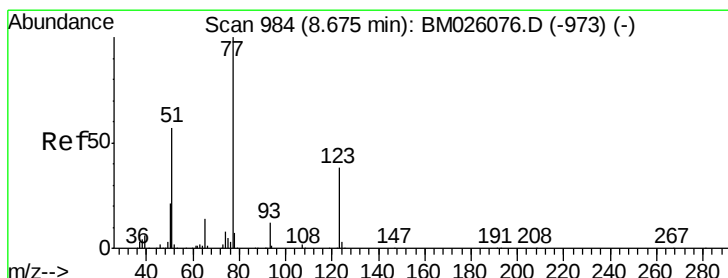
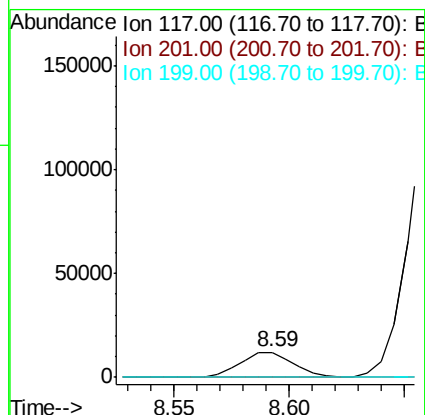
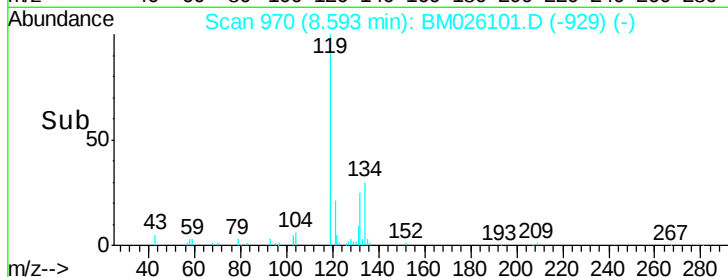
199 0.0 45.9 68.9#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#20

Nitrobenzene

Concen: 2.012 ng/ul

RT: 8.73 min Scan# 994

Delta R.T. 0.06 min

Lab File: BM026101.D

Acq: 23 May 2020 04:53

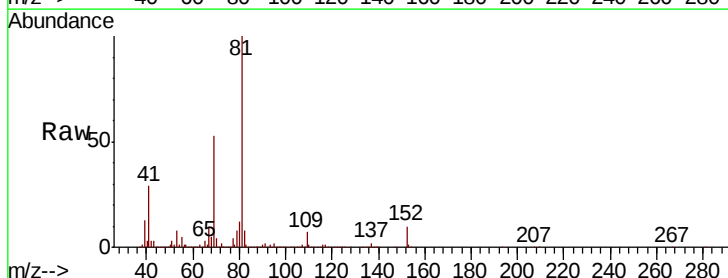
Tgt Ion: 77 Resp: 42622

Ion Ratio Lower Upper

77 100

123 11.2 29.5 44.3#

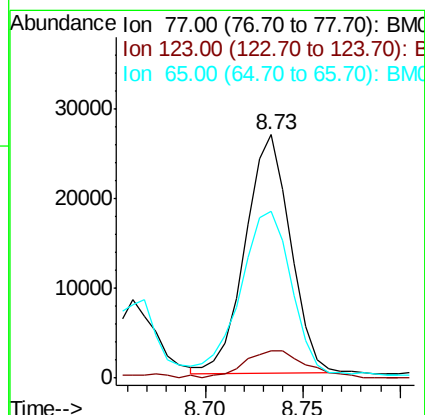
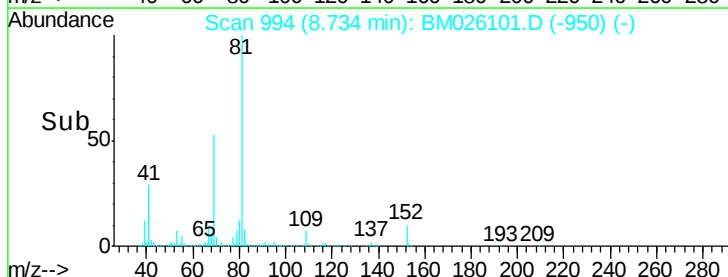
65 68.8 11.0 16.4#

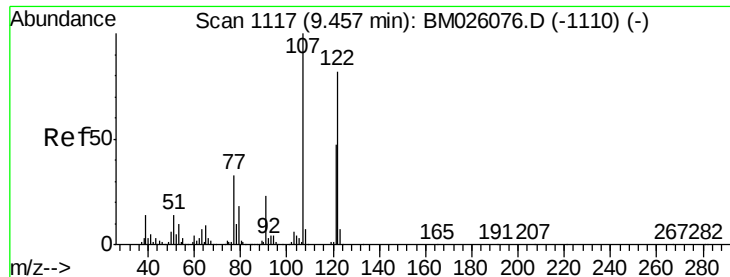


Abundance Ion 77.00 (76.70 to 77.70): BM0

Ion 123.00 (122.70 to 123.70): E

Ion 65.00 (64.70 to 65.70): BM0

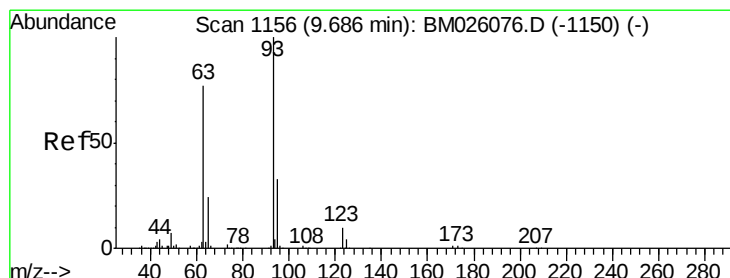
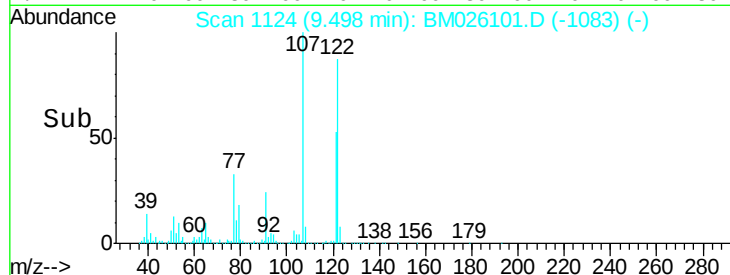
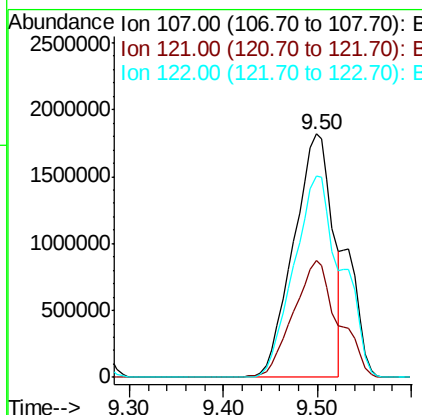
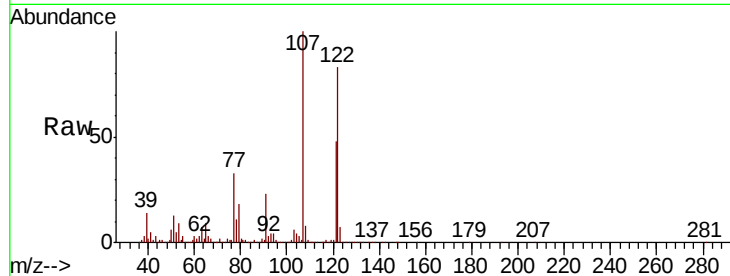




#24
 2,4-Dimethylphenol
 Concen: 273.982 ng/ul
 RT: 9.50 min Scan# 1124
 Delta R.T. 0.04 min
 Lab File: BM026101.D
 Acq: 23 May 2020 04:53

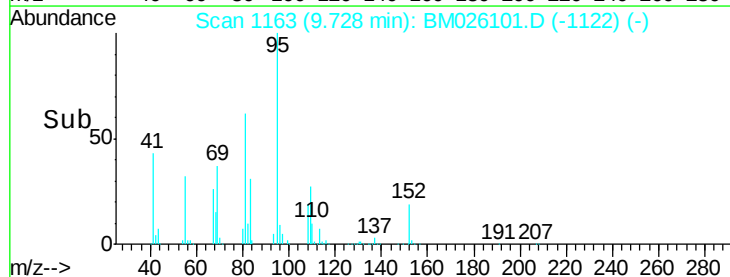
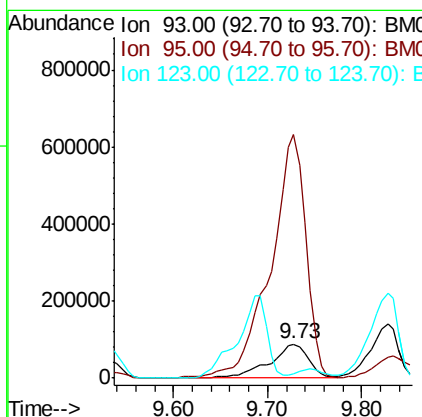
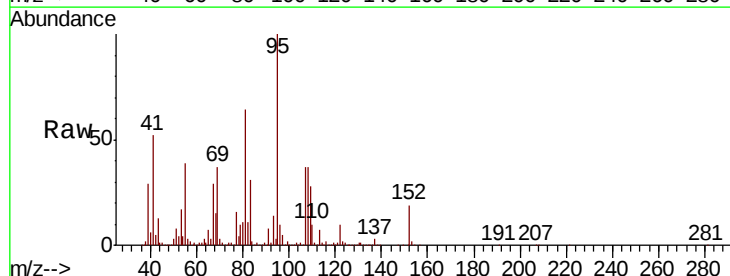
Instrument :
 BNA_M
 ClientSampled :

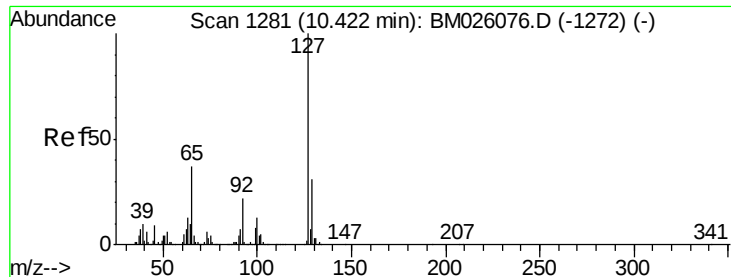
Tot Ion:107 Resp: 5190243
 Ion Ratio Lower Upper
 107 100
 121 47.8 37.5 56.3
 122 82.7 63.8 95.6



#25
 Bis(2-Chloroethoxy)methane
 Concen: 11.205 ng/ul
 RT: 9.73 min Scan# 1163
 Delta R.T. 0.04 min
 Lab File: BM026101.D
 Acq: 23 May 2020 04:53

Tgt Ion: 93 Resp: 248969
 Ion Ratio Lower Upper
 93 100
 95 713.6 25.5 38.3#
 123 14.3 8.6 12.8#

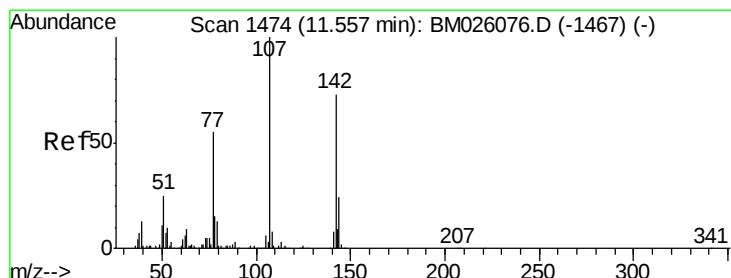
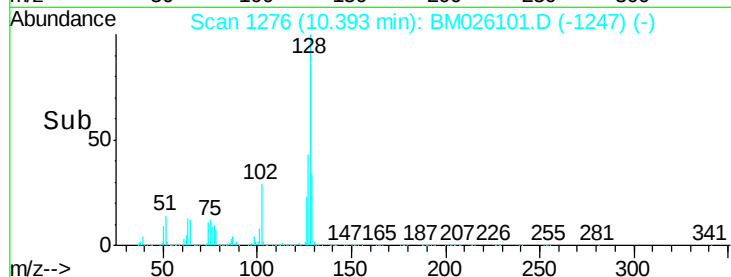
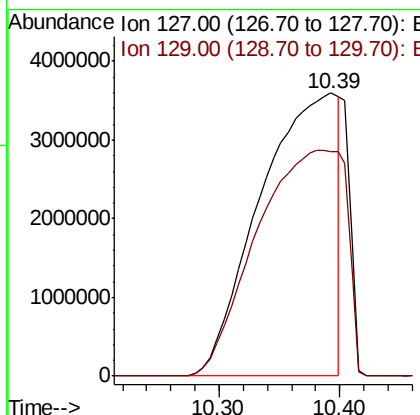
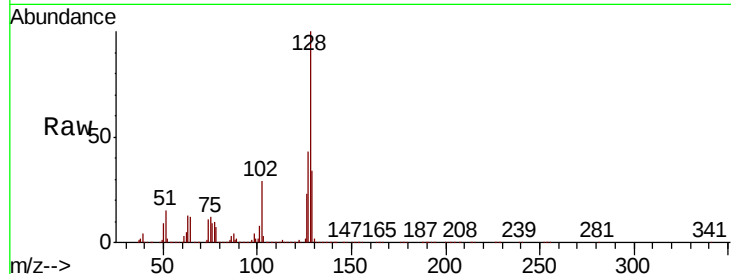




#30
4-Chloroaniline
Concen: 1103.226 ng/ul
RT: 10.39 min Scan# 1276
Delta R.T. -0.03 min
Lab File: BM026101.D
Acq: 23 May 2020 04:53

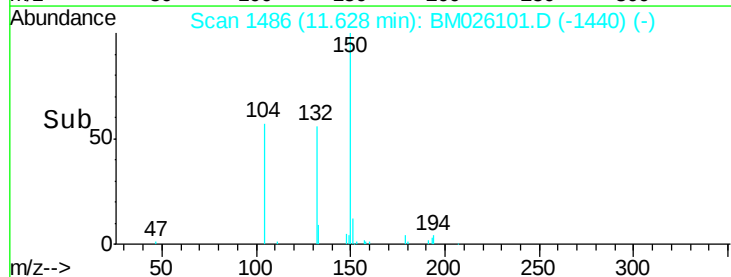
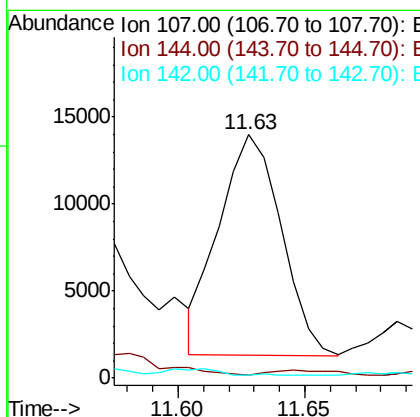
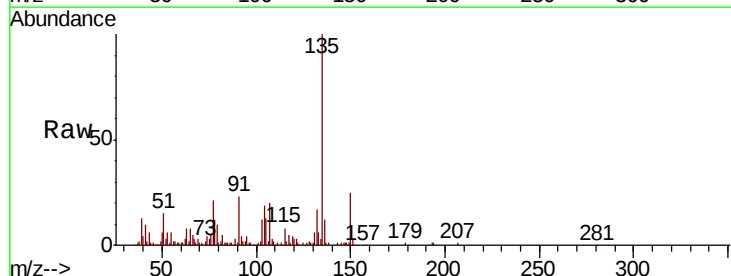
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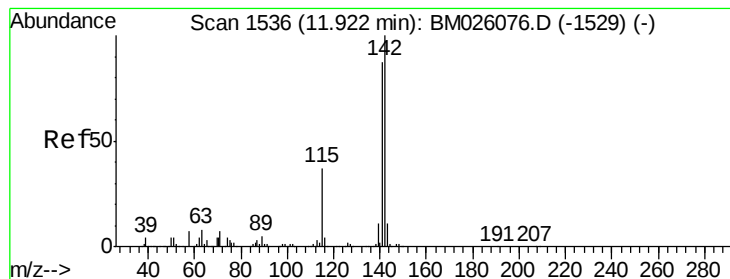
Tot Ion:127 Resp:16010050
Ion Ratio Lower Upper
127 100
129 79.4 26.2 39.2#



#33
4-Chloro-3-methylphenol
Concen: 1.315 ng/ul
RT: 11.63 min Scan# 1486
Delta R.T. 0.07 min
Lab File: BM026101.D
Acq: 23 May 2020 04:53

Tgt Ion:107 Resp: 21634
Ion Ratio Lower Upper
107 100
144 1.3 18.1 27.1#
142 1.3 56.0 84.0#





#34

2-Methylnaphthalene

Concen: 110.731 ng/ul

RT: 11.93 min Scan# 1538

Delta R.T. 0.01 min

Lab File: BM026101.D

Acq: 23 May 2020 04:53

Instrument :

BNA_M

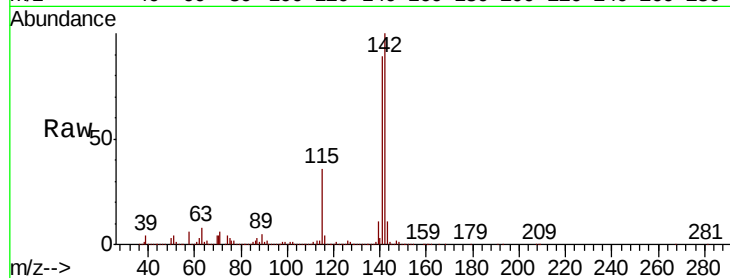
ClientSampleId :

Tot Ion:142 Resp: 3852143

Ion Ratio Lower Upper

142 100

141 88.8 71.8 107.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

2500000

2000000

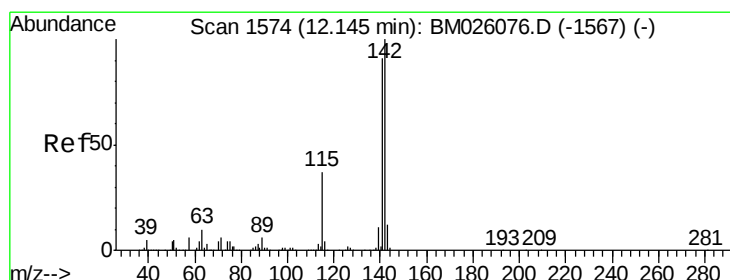
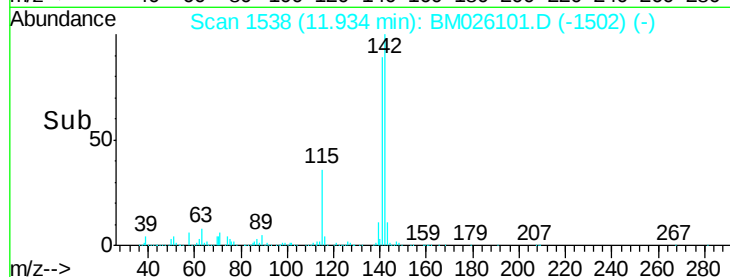
1500000

1000000

500000

0

Time--> 11.80 11.90 12.00



#35

1-Methylnaphthalene

Concen: 119.457 ng/ul

RT: 12.16 min Scan# 1576

Delta R.T. 0.01 min

Lab File: BM026101.D

Acq: 23 May 2020 04:53

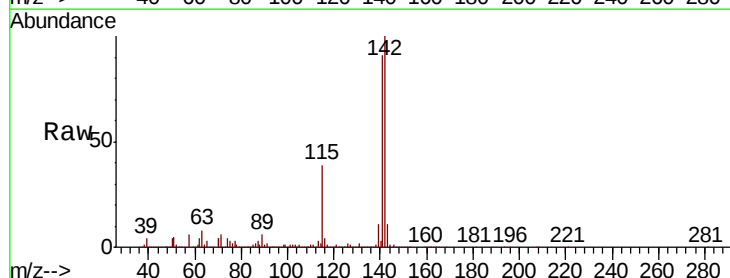
Tgt Ion:142 Resp: 3855520

Ion Ratio Lower Upper

142 100

141 91.5 73.0 109.4

116 4.2 3.3 4.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

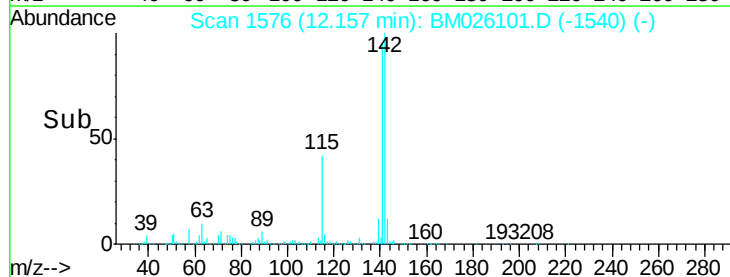
3000000

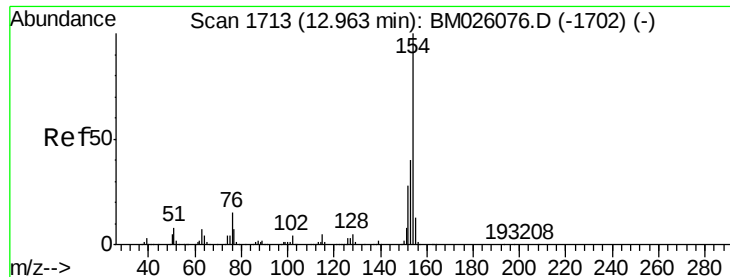
2000000

1000000

0

Time--> 12.10 12.15 12.20 12.25

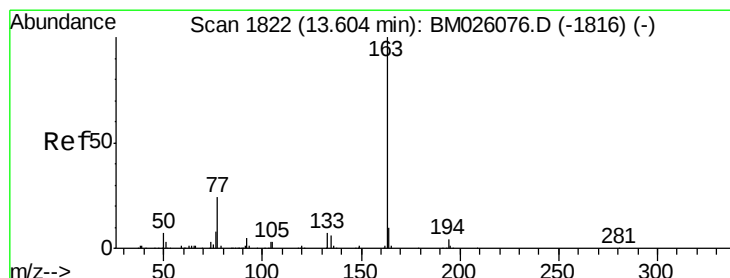
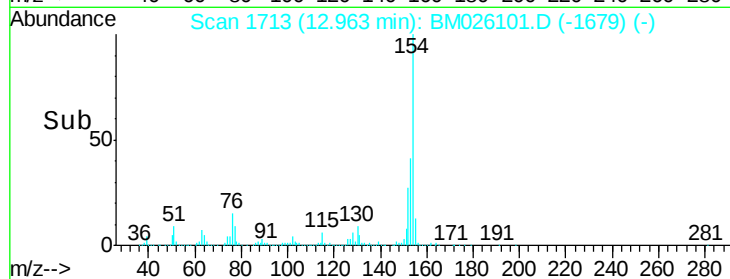
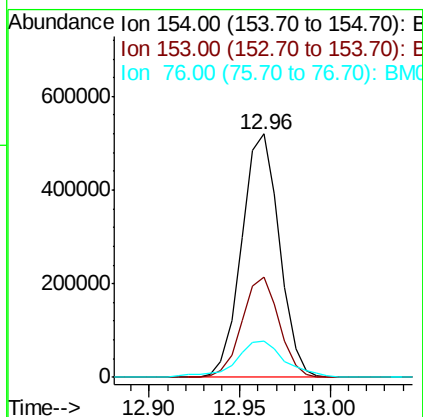
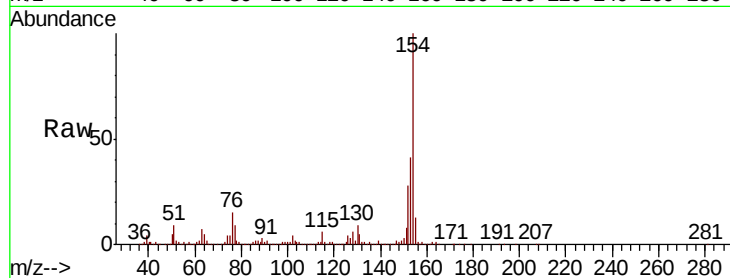




#41
 1,1'-Biphenyl
 Concen: 15.997 ng/ul
 RT: 12.96 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: BM026101.D
 Acq: 23 May 2020 04:53

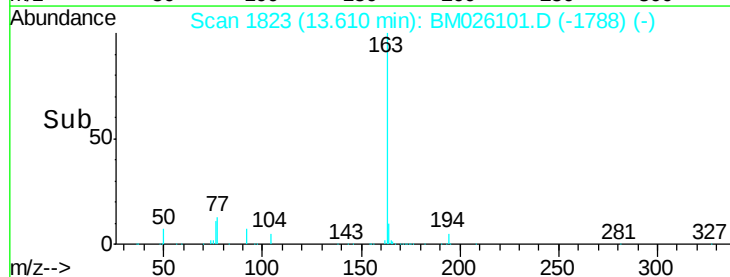
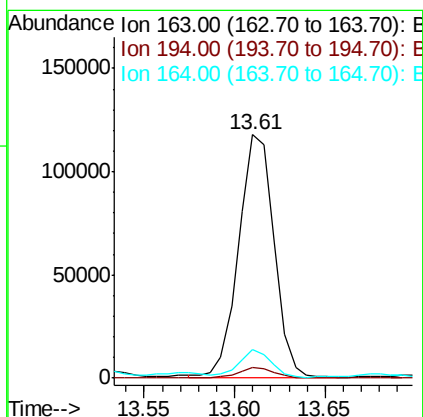
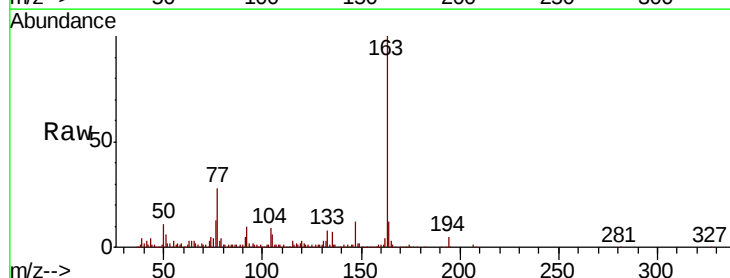
Instrument :
 BNA_M
 ClientSampleId :

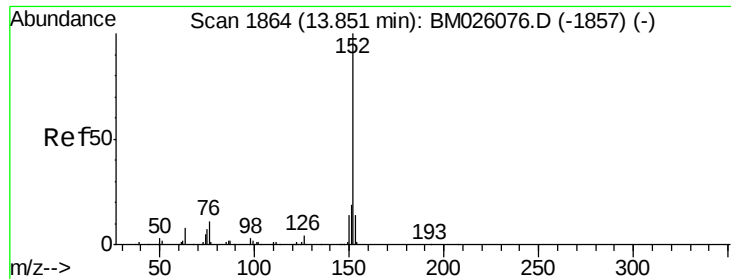
Tot Ion	Ratio	Lower	Upper
154	100		
153	41.2	32.3	48.5
76	15.0	13.0	19.6



#45
 Dimethylphthalate
 Concen: 3.581 ng/ul
 RT: 13.61 min Scan# 1823
 Delta R.T. 0.01 min
 Lab File: BM026101.D
 Acq: 23 May 2020 04:53

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.2	4.8
164	11.5	8.0	12.0





#48

Acenaphthylene

Concen: 2.581 ng/ul

RT: 13.85 min Scan# 1864

Delta R.T. 0.00 min

Lab File: BM026101.D

Acq: 23 May 2020 04:53

Instrument :

BNA_M

ClientSampleId :

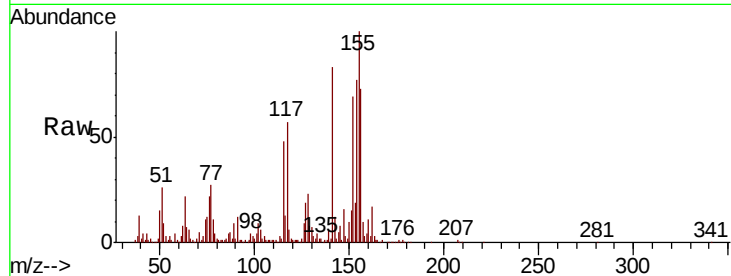
Tot Ion:152 Resp: 142323

Ion Ratio Lower Upper

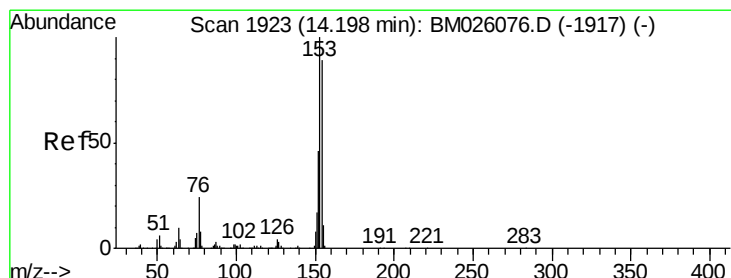
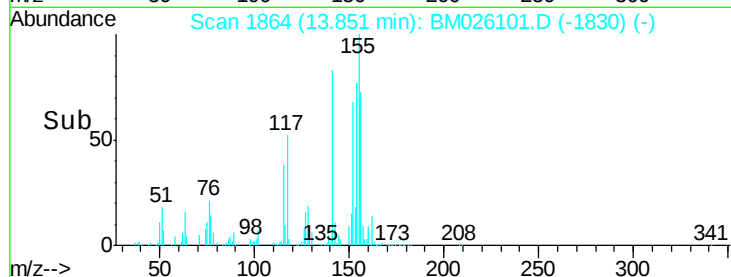
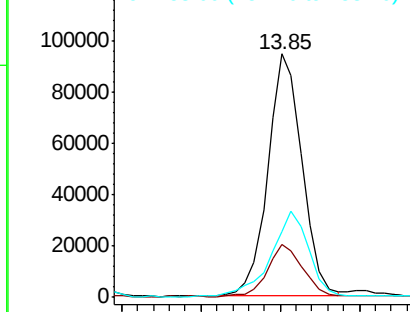
152 100

151 21.8 15.7 23.5

153 27.1 10.2 15.2#



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



#50

Acenaphthene

Concen: 226.035 ng/ul

RT: 14.22 min Scan# 1926

Delta R.T. 0.02 min

Lab File: BM026101.D

Acq: 23 May 2020 04:53

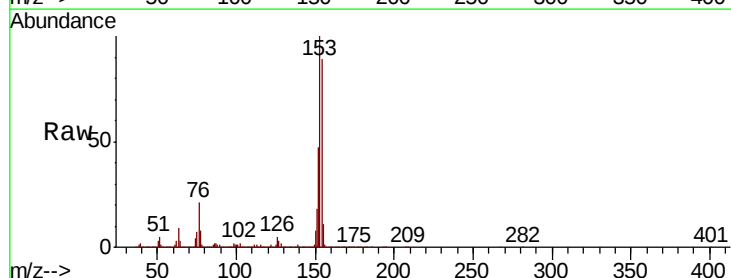
Tgt Ion:153 Resp: 8790087

Ion Ratio Lower Upper

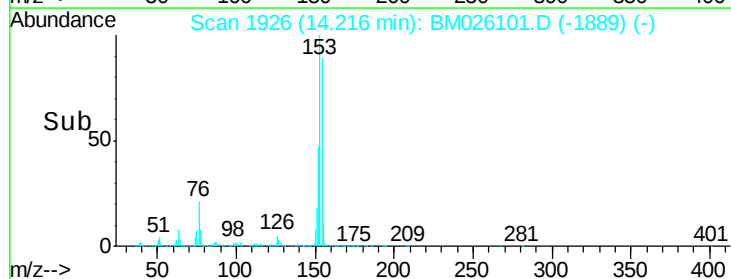
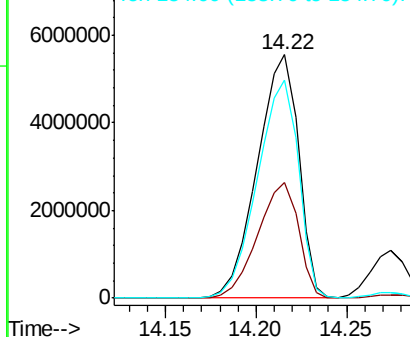
153 100

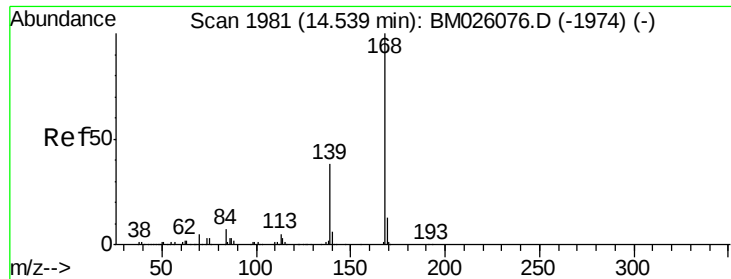
152 47.3 37.2 55.8

154 89.5 69.8 104.8



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





#54

Dibenzofuran

Concen: 98.362 ng/ul

RT: 14.55 min Scan# 1982

Delta R.T. 0.01 min

Lab File: BM026101.D

Acq: 23 May 2020 04:53

Instrument :

BNA_M

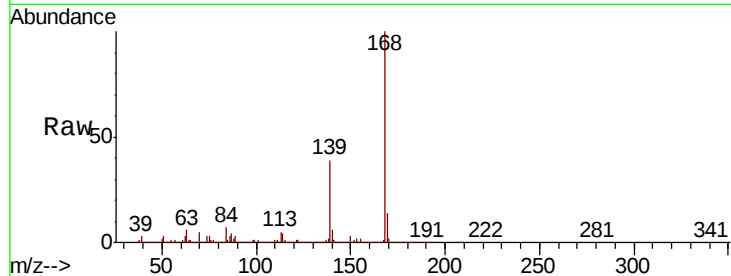
ClientSampleId :

Tot Ion:168 Resp: 5375599

Ion Ratio Lower Upper

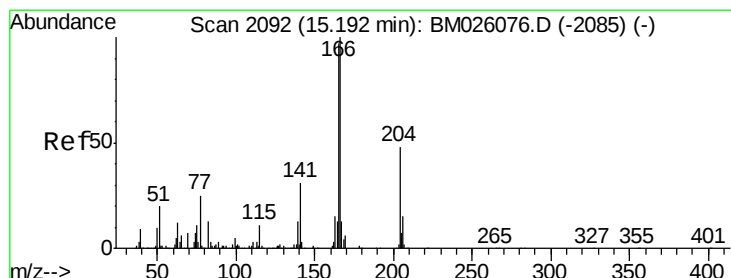
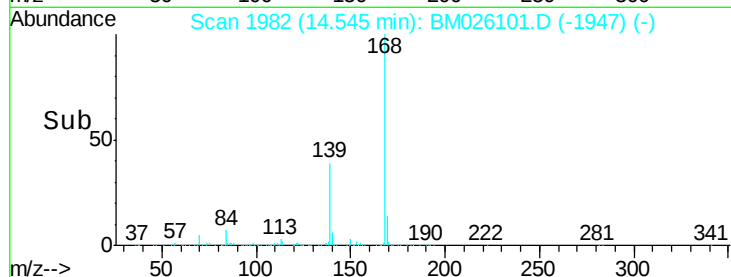
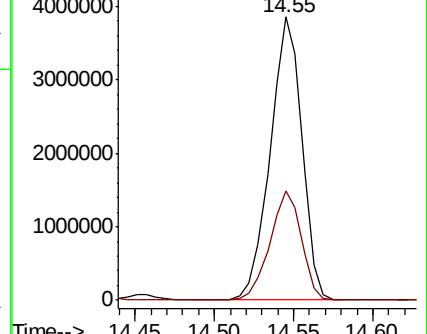
168 100

139 38.6 30.7 46.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 104.941 ng/ul

RT: 15.20 min Scan# 2093

Delta R.T. 0.01 min

Lab File: BM026101.D

Acq: 23 May 2020 04:53

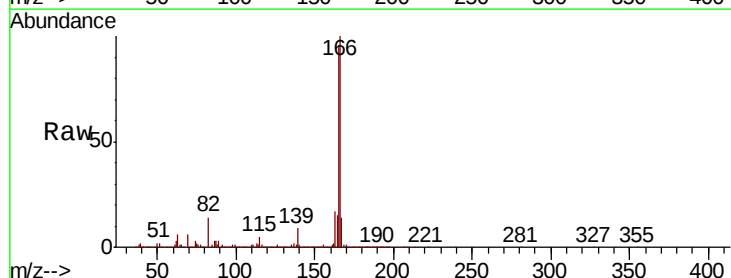
Tgt Ion:166 Resp: 4639345

Ion Ratio Lower Upper

166 100

165 95.6 77.3 115.9

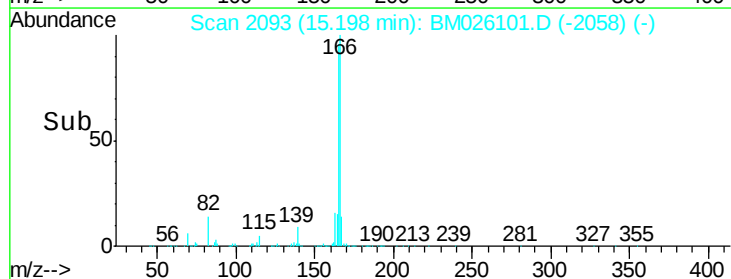
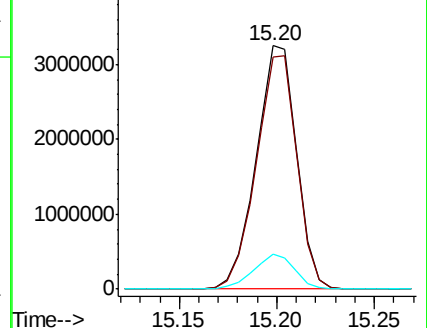
167 14.1 10.6 16.0

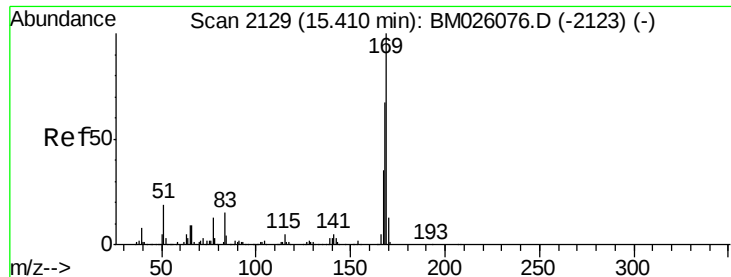


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#65

N-Nitrosodiphenylamine

Concen: 1.452 ng/ul

RT: 15.45 min Scan# 2135

Delta R.T. 0.04 min

Lab File: BM026101.D

Acq: 23 May 2020 04:53

Instrument :

BNA_M

ClientSampleId :

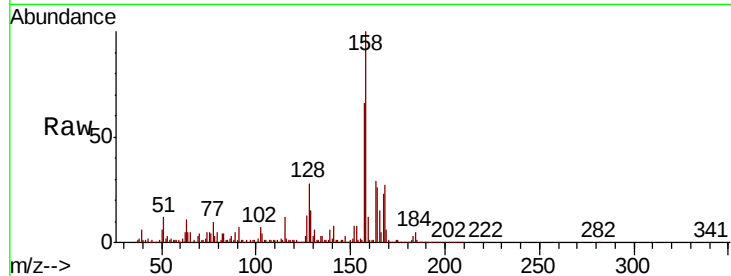
Tot Ion:169 Resp: 52557

Ion Ratio Lower Upper

169 100

168 470.9 52.6 78.8#

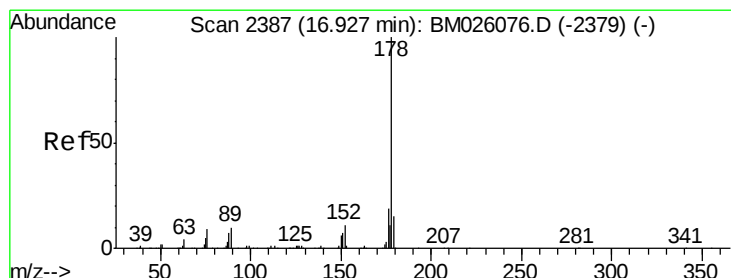
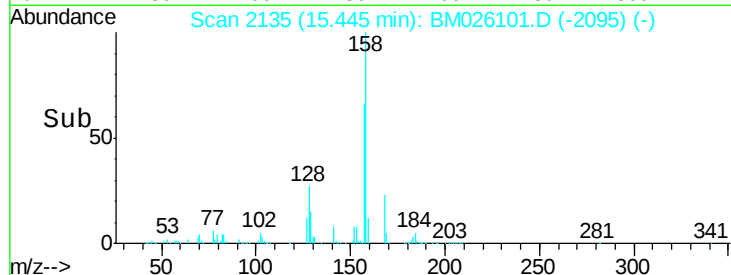
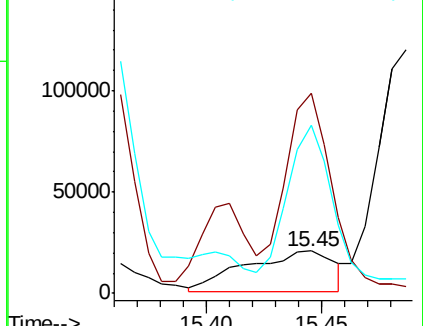
167 394.8 27.7 41.5#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 147.464 ng/ul

RT: 16.94 min Scan# 2389

Delta R.T. 0.01 min

Lab File: BM026101.D

Acq: 23 May 2020 04:53

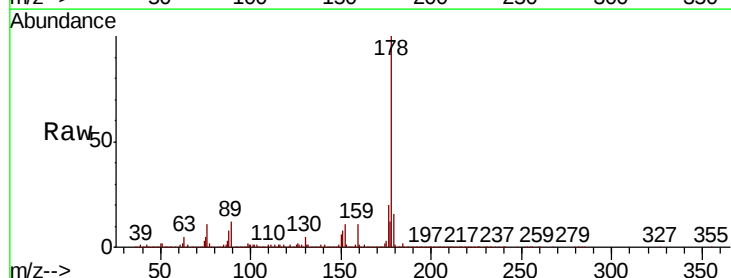
Tgt Ion:178 Resp:10032715

Ion Ratio Lower Upper

178 100

179 16.0 11.9 17.9

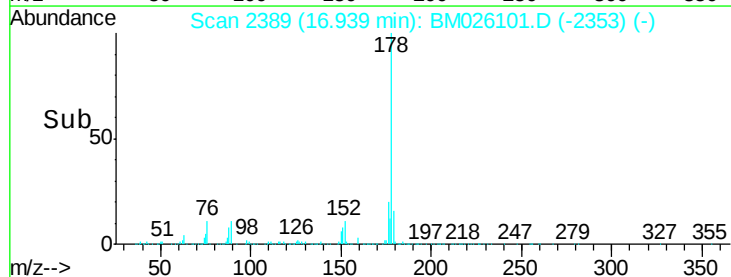
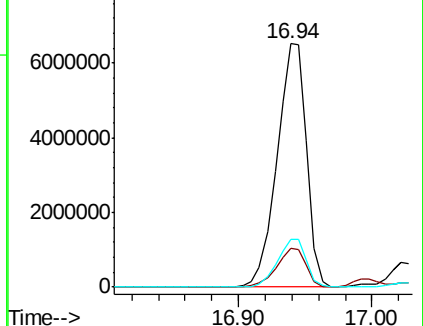
176 19.6 14.9 22.3

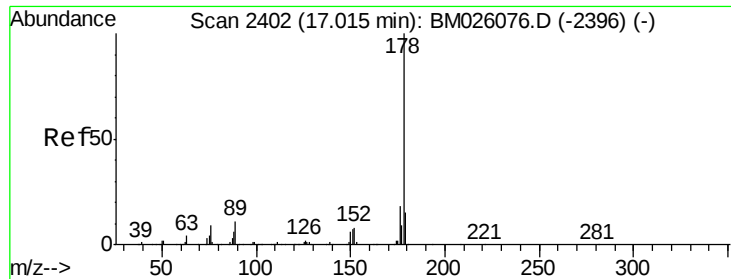


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

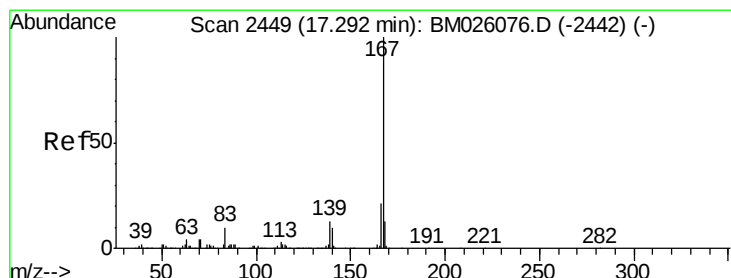
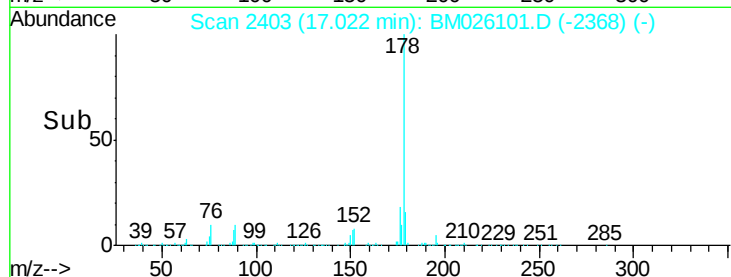
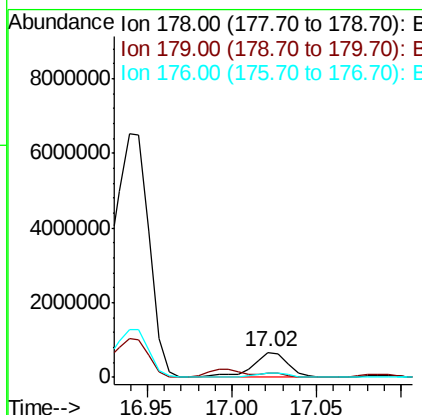
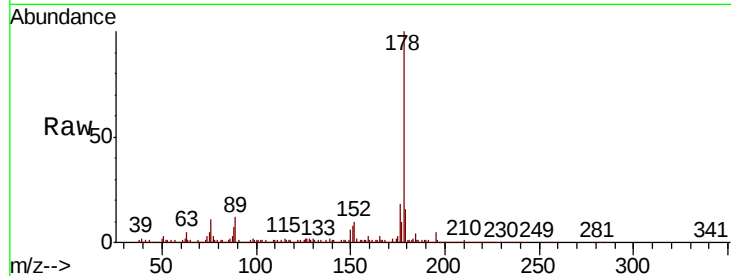




#72
 Anthracene
 Concen: 14.310 ng/ul
 RT: 17.02 min Scan# 2403
 Delta R.T. 0.01 min
 Lab File: BM026101.D
 Acq: 23 May 2020 04:53

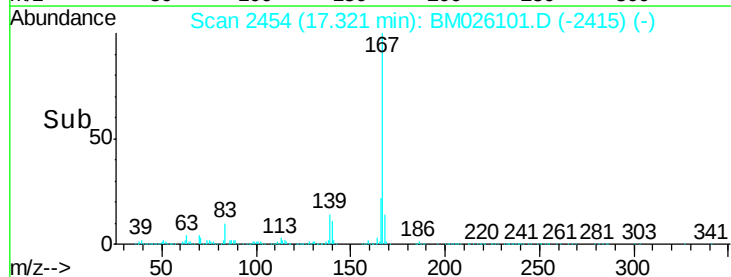
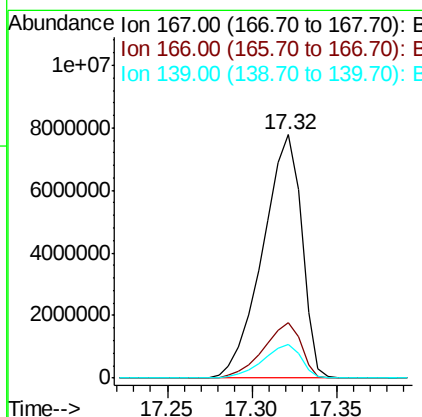
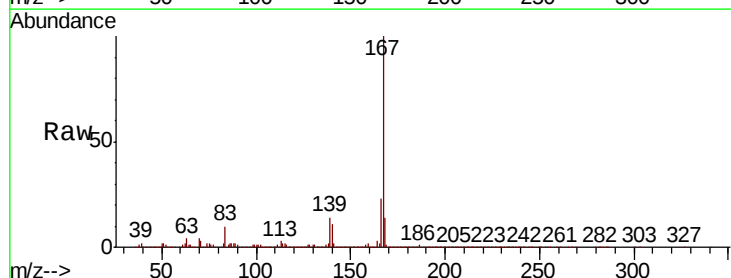
Instrument :
 BNA_M
 ClientSampleId :

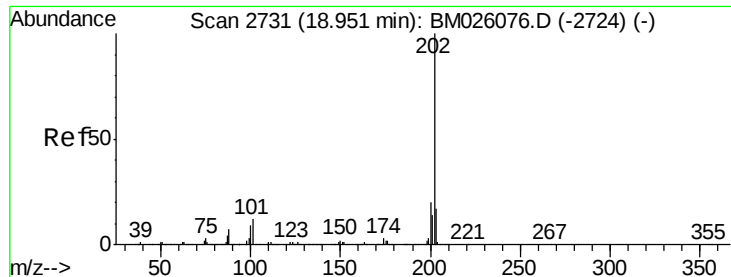
Tot Ion:178 Resp: 976782
 Ion Ratio Lower Upper
 178 100
 179 16.3 12.2 18.4
 176 18.1 14.9 22.3



#75
 Carbazole
 Concen: 219.295 ng/ul
 RT: 17.32 min Scan# 2454
 Delta R.T. 0.03 min
 Lab File: BM026101.D
 Acq: 23 May 2020 04:53

Tgt Ion:167 Resp:12383453
 Ion Ratio Lower Upper
 167 100
 166 22.5 16.6 25.0
 139 13.9 10.8 16.2

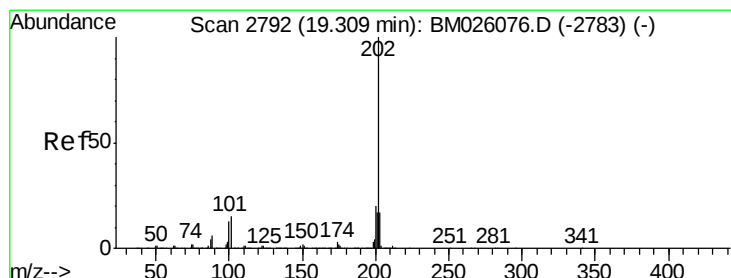
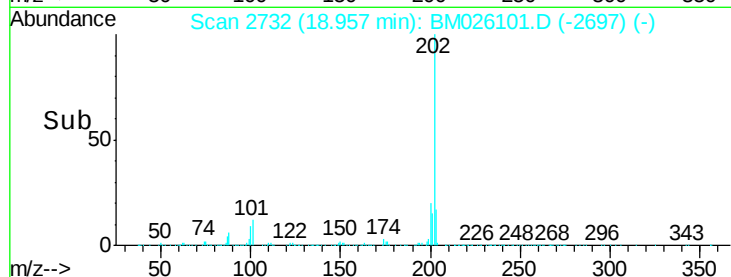
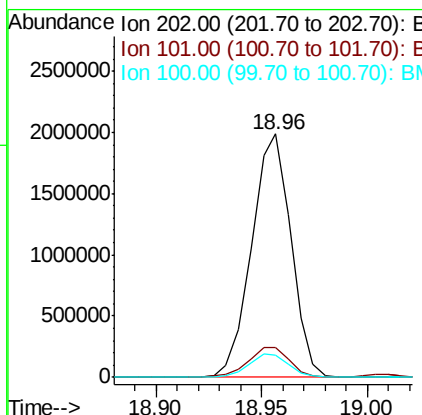
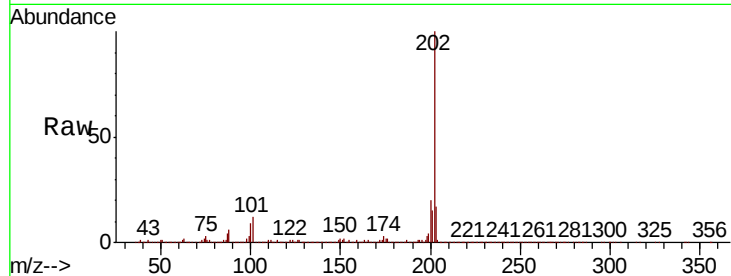




#77
 Fluoranthene
 Concen: 36.019 ng/ul
 RT: 18.96 min Scan# 2732
 Delta R.T. 0.01 min
 Lab File: BM026101.D
 Acq: 23 May 2020 04:53

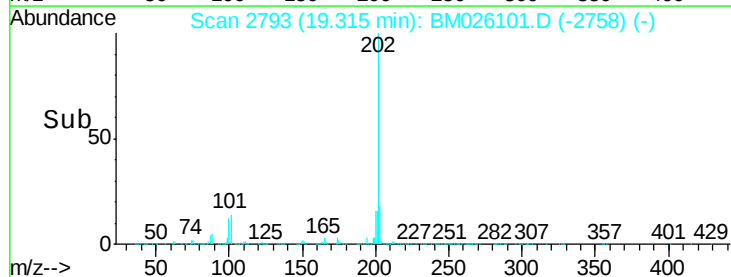
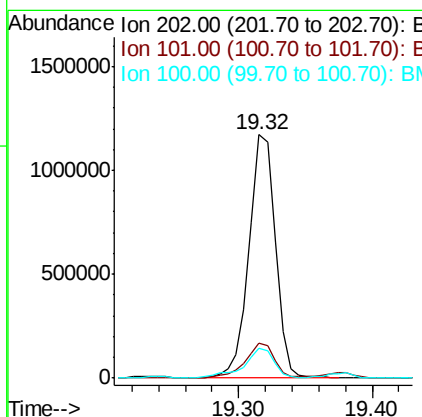
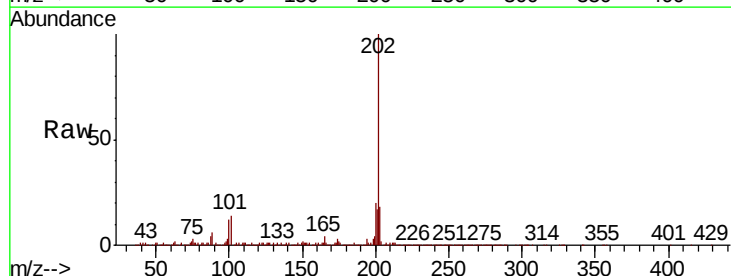
Instrument :
 BNA_M
 ClientSampleId :

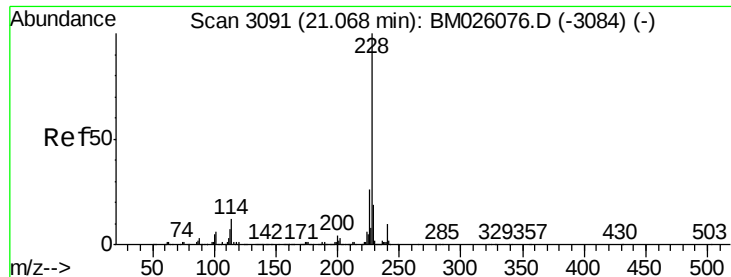
Tot Ion:202 Resp: 2570534
 Ion Ratio Lower Upper
 202 100
 101 12.2 9.5 14.3
 100 9.3 7.6 11.4



#80
 Pyrene
 Concen: 21.112 ng/ul
 RT: 19.32 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: BM026101.D
 Acq: 23 May 2020 04:53

Tgt Ion:202 Resp: 1592945
 Ion Ratio Lower Upper
 202 100
 101 14.3 12.2 18.4
 100 12.1 10.2 15.4





#83

Benzo(a)anthracene

Concen: 1.468 ng/ul

RT: 21.07 min Scan# 3091

Delta R.T. 0.00 min

Lab File: BM026101.D

Acq: 23 May 2020 04:53

Instrument :

BNA_M

ClientSampled :

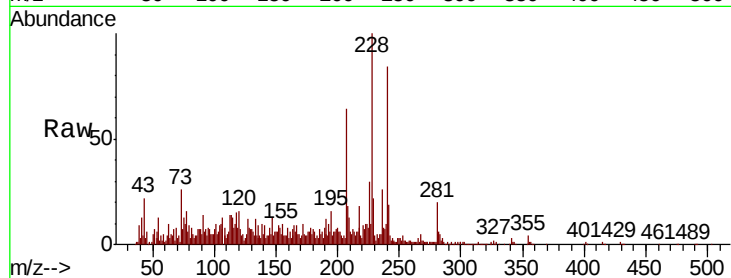
Tot Ion:228 Resp: 108780

Ion Ratio Lower Upper

228 100

229 22.3 15.5 23.3

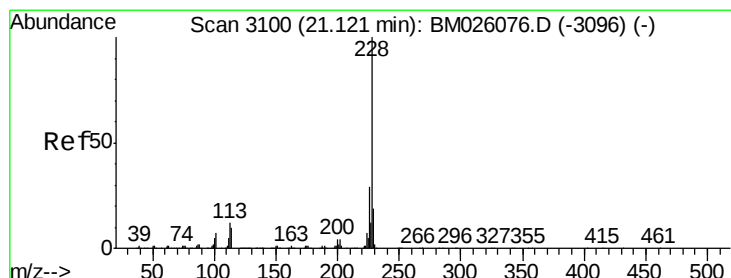
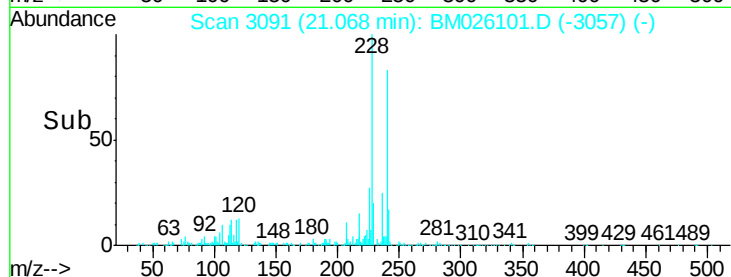
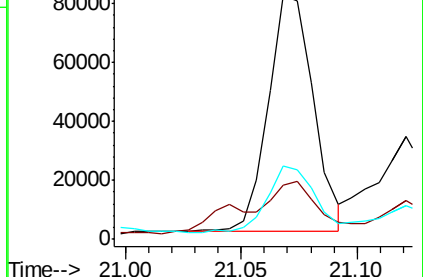
226 29.9 21.2 31.8



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



#85

Chrysene

Concen: 1.534 ng/ul

RT: 21.07 min Scan# 3091

Delta R.T. -0.05 min

Lab File: BM026101.D

Acq: 23 May 2020 04:53

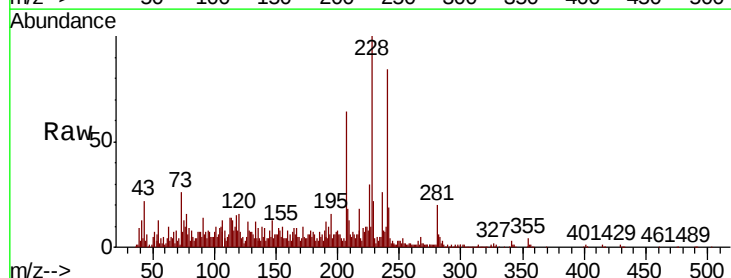
Tgt Ion:228 Resp: 112929

Ion Ratio Lower Upper

228 100

226 29.9 23.0 34.6

229 22.3 15.5 23.3



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

