

Data File : BM025020.D
Acq On : 22 Feb 2020 11:08
Operator : CG/JU
Sample : L1507-17
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DBD15

Quant Time: Feb 24 06:01:49 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Feb 24 05:59:54 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.33	152	239058	20.00	ng/ul	0.00
18) Naphthalene-d8	10.10	136	971832	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.01	164	799441	20.00	ng/ul	0.02
62) Phenanthrene-d10	16.80	188	1355131	20.00	ng/ul	0.05
78) Chrysene-d12	21.00	240	1510187	20.00	ng/ul	0.04
86) Perylene-d12	23.06	264	1863856	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.96	96	2564	0.52	ng/uL	0.02
5) Phenol-d5	6.54	99	44696	2.81	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.69	67	30183	3.37	ng/ul	0.00
9) 2-Chlorophenol-d4	6.88	132	39793	2.80	ng/ul	0.00
13) 4-Methylphenol-d8	8.06	113	38508	2.87	ng/ul	0.00
19) Nitrobenzene-d5	8.48	128	15458	2.20	ng/ul	0.00
22) 2-Nitrophenol-d4	9.19	143	20911	2.52	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.75	165	44911	2.68	ng/ul	0.02
29) 4-Chloroaniline-d4	10.25	131	66145	4.22	ng/ul	0.01
44) Dimethylphthalate-d6	13.44	166	150470	2.49	ng/ul	0.02
47) Acenaphthylene-d8	13.68	160	190814	2.71	ng/ul	0.00
52) 4-Nitrophenol-d4	14.26	143	11335	1.16	ng/ul	0.03
58) Fluorene-d10	15.01	176	175596	3.29	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.21	200	10184	1.15	ng/ul	0.08
71) Anthracene-d10	16.92	188	217350	3.51	ng/ul	0.07
79) Pyrene-d10	19.19	212	279059	3.69	ng/ul	0.04
90) Benzo(a)pyrene-d12	22.93	264	303927	3.25	ng/ul	0.02

Target Compounds

					Qvalue	
4) Benzaldehyde	6.50	77	12684	1.214	ng/ul#	1
14) Acetophenone	8.15	105	54086	2.561	ng/ul	99
20) Nitrobenzene	8.50	77	17994	1.078	ng/ul#	2
30) 4-Chloroaniline	10.17	127	7703166	492.554	ng/ul#	12
34) 2-Methylnaphthalene	11.91	142	70651	1.932	ng/ul#	32
35) 1-Methylnaphthalene	11.91	142	70651	1.937	ng/ul#	26
41) 1,1'-Biphenyl	12.82	154	14426585	244.450	ng/ul#	92
43) 2-Nitroaniline	13.02	65	77928	7.670	ng/ul#	19
48) Acenaphthylene	13.71	152	1229860	16.848	ng/ul#	90
50) Acenaphthene	14.07	153	3856138	78.221	ng/ul#	88
54) Dibenzofuran	14.32	168	1372029	18.671	ng/ul#	53
55) 2,4-Dinitrotoluene	14.39	165	84467	4.649	ng/ul#	27
59) Fluorene	15.07	166	3457508	57.089	ng/ul#	94
61) 4-Nitroaniline	15.10	138	611552	51.502	ng/ul#	21
65) N-Nitrosodiphenylamine	15.32	169	419705	11.088	ng/ul#	1
70) Phenanthrene	16.93	178	2795896	37.840	ng/ul#	68
72) Anthracene	16.93	178	2795896	37.311	ng/ul#	67
75) Carbazole	17.17	167	15572583	249.447	ng/ul	96
77) Fluoranthene	18.96	202	423826	4.673	ng/ul#	64
80) Pyrene	19.20	202	3445933	34.472	ng/ul#	78
83) Benzo(a)anthracene	21.02	228	1087850	10.694	ng/ul#	89
84) Bis(2-ethylhexyl)phthalate	20.99	149	159278	2.691	ng/ul#	67
85) Chrysene	21.02	228	1087850	10.862	ng/ul	92

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM022120\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Benzo(k)fluoranthene	22.61	252	4615893	40.463	ng/ul#	93
91) Benzo(a)pyrene	22.90	252	13777916	129.666	ng/ul#	95
92) Indeno(1,2,3-cd)pyrene	25.08	276	7344850	55.523	ng/ul	99
93) Dibenzo(a,h)anthracene	25.08	278	2060844	18.285	ng/ul#	93
94) Benzo(g,h,i)perylene	25.69	276	5268235	47.884	ng/ul	98

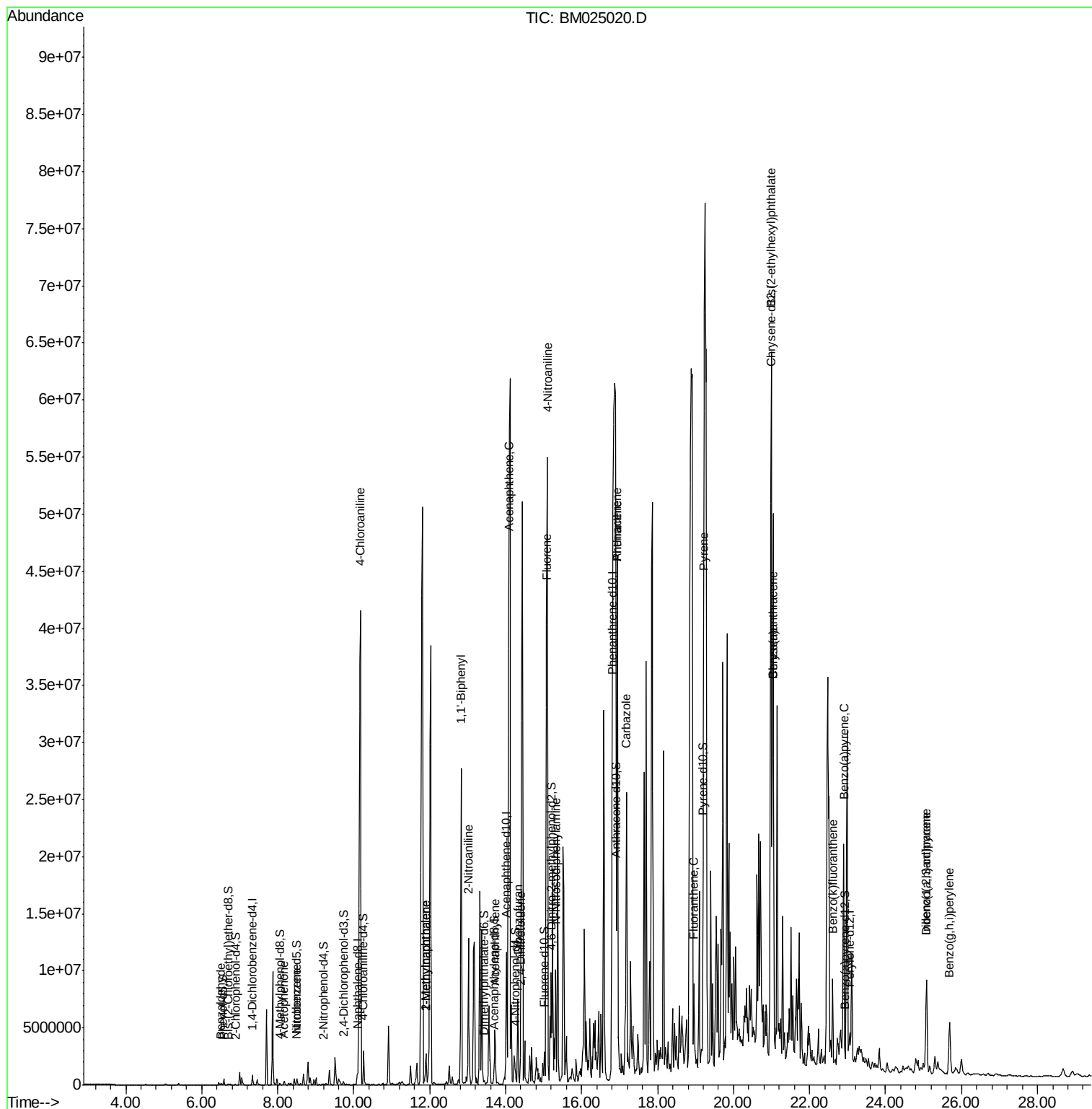
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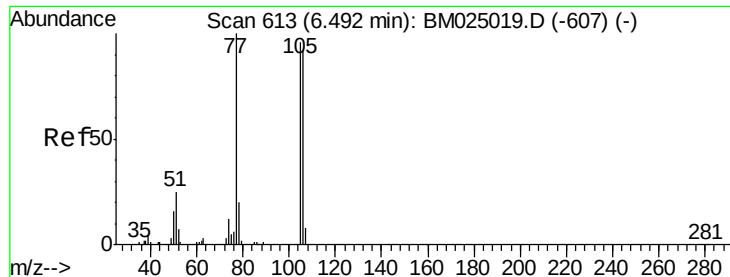
Data File : BM025020.D

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Acq On       : 22 Feb 2020   11:08
Operator    : CG/JU
Sample      : L1507-17
Misc        :
ALS Vial     : 32      Sample Multip
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Instrument :
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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#4

Benzaldehyde

Concen: 1.214 ng/ul

RT: 6.50 min Scan# 615

Delta R.T. 0.01 min

Lab File: BM025020.D

Acq: 22 Feb 2020 11:08

Instrument :

BNA_M

ClientSampleId :

DBD15

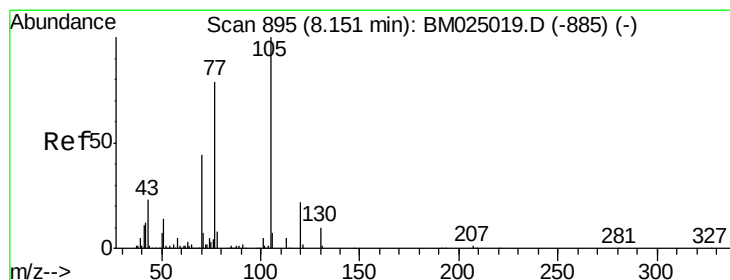
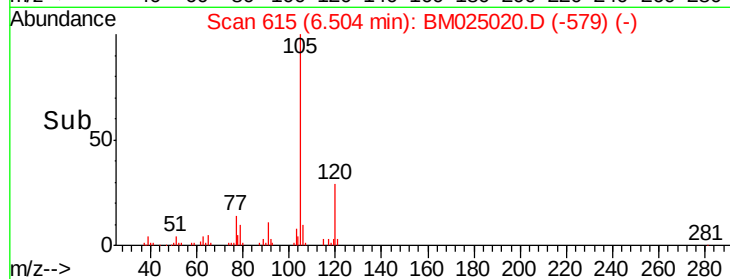
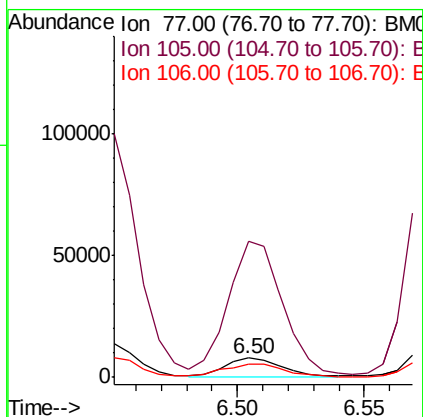
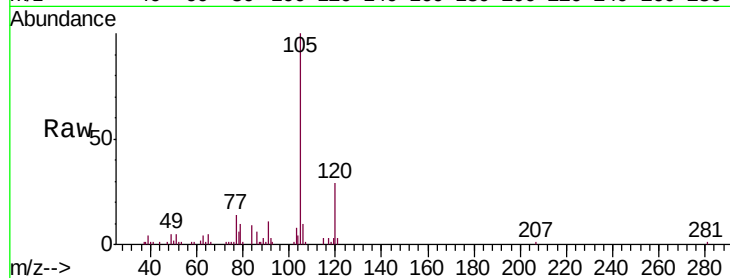
Tgt Ion: 77 Resp: 12684

Ion Ratio Lower Upper

77 100

105 700.2 76.2 114.2#

106 68.2 75.4 113.2#



#14

Acetophenone

Concen: 2.561 ng/ul

RT: 8.15 min Scan# 895

Delta R.T. 0.00 min

Lab File: BM025020.D

Acq: 22 Feb 2020 11:08

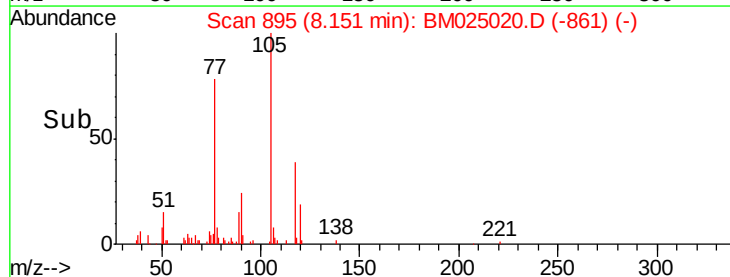
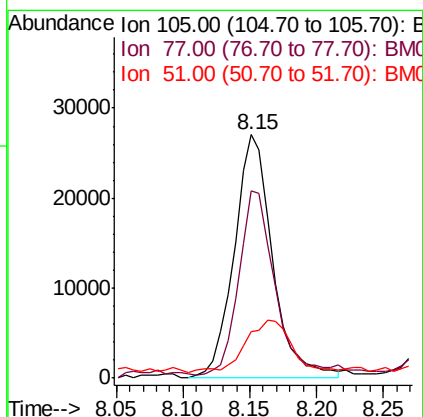
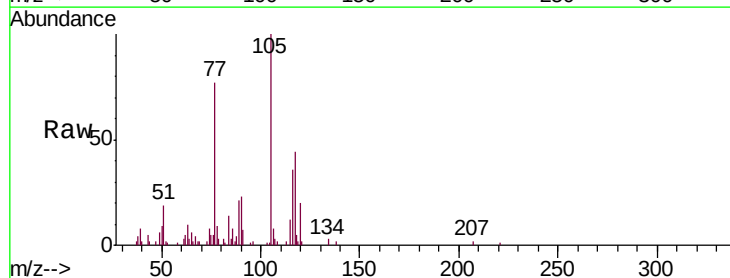
Tgt Ion: 105 Resp: 54086

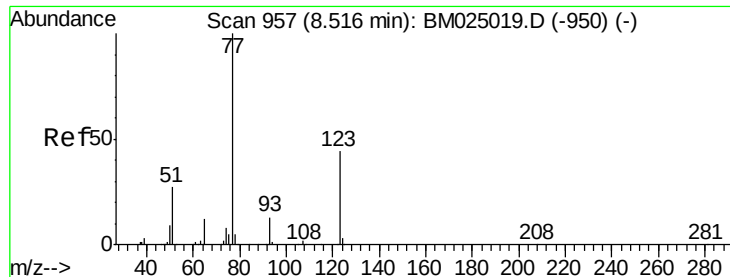
Ion Ratio Lower Upper

105 100

77 77.2 61.6 92.4

51 19.2 16.7 25.1

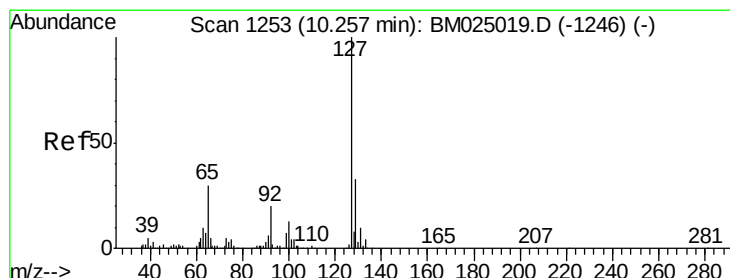
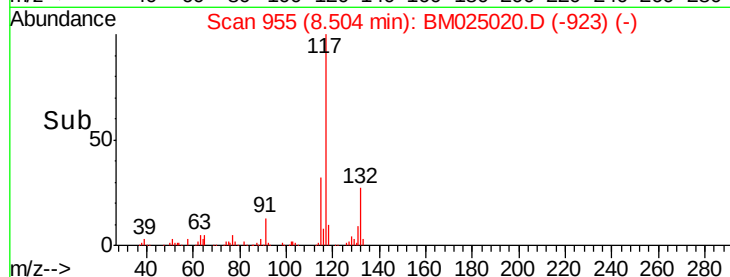
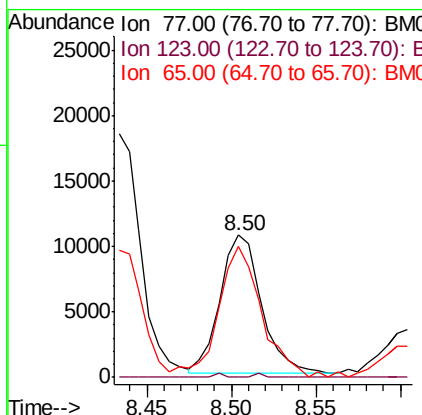
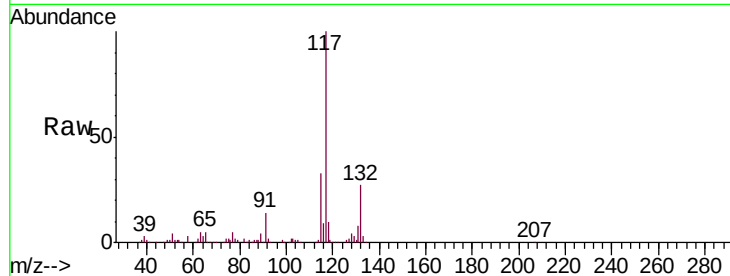




#20
 Nitrobenzene
 Concen: 1.078 ng/ul
 RT: 8.50 min Scan# 955
 Delta R.T. -0.01 min
 Lab File: BM025020.D
 Acq: 22 Feb 2020 11:08

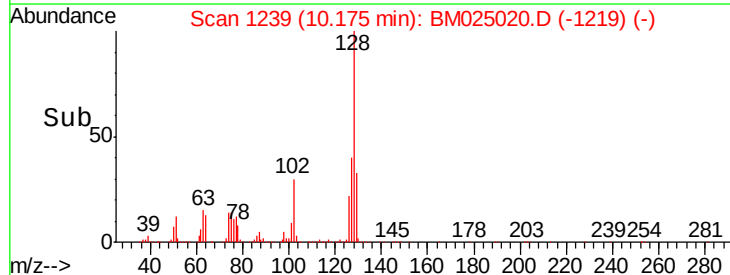
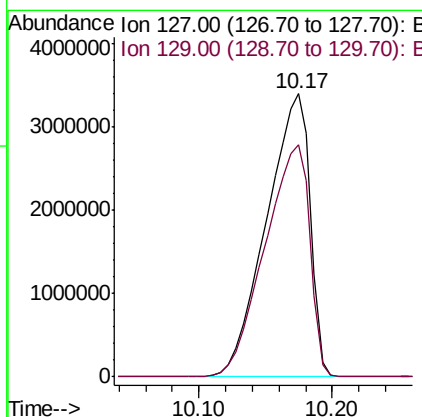
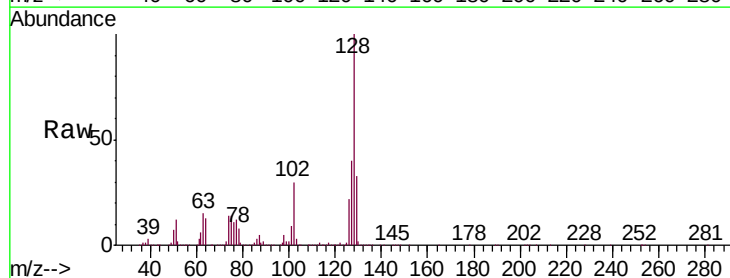
Instrument :
 BNA_M
 ClientSampleId :
 DBD15

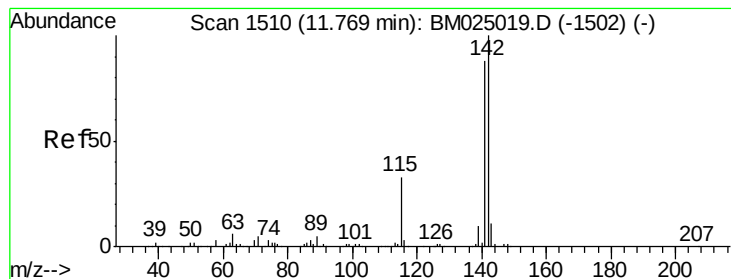
Tgt Ion	Ratio	Lower	Upper
77	100		
123	0.0	38.8	58.2#
65	92.0	9.9	14.9#



#30
 4-Chloroaniline
 Concen: 492.554 ng/ul
 RT: 10.17 min Scan# 1239
 Delta R.T. -0.08 min
 Lab File: BM025020.D
 Acq: 22 Feb 2020 11:08

Tgt Ion	Ratio	Lower	Upper
127	100		
129	81.8	25.8	38.8#





#34

2-Methylnaphthalene

Concen: 1.932 ng/ul

RT: 11.91 min Scan# 1534

Delta R.T. 0.14 min

Lab File: BM025020.D

Acq: 22 Feb 2020 11:08

Instrument :

BNA_M

ClientSampleId :

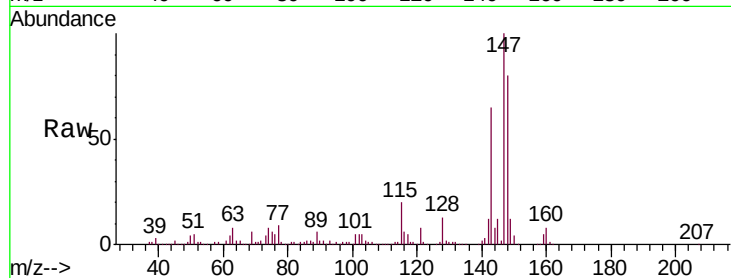
DBD15

Tgt Ion:142 Resp: 70651

Ion Ratio Lower Upper

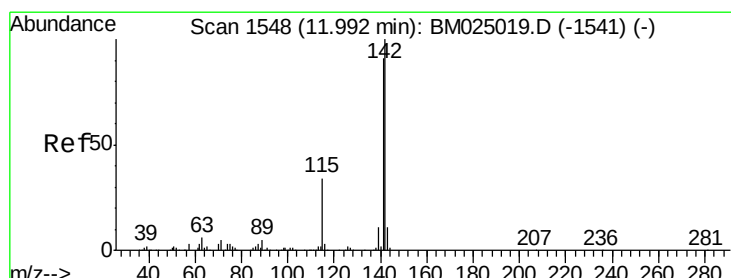
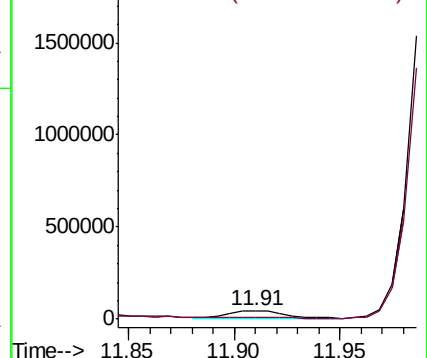
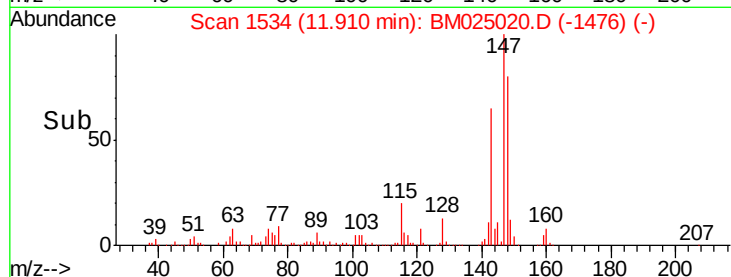
142 100

141 25.1 70.5 105.7#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#35

1-Methylnaphthalene

Concen: 1.937 ng/ul

RT: 11.91 min Scan# 1534

Delta R.T. -0.08 min

Lab File: BM025020.D

Acq: 22 Feb 2020 11:08

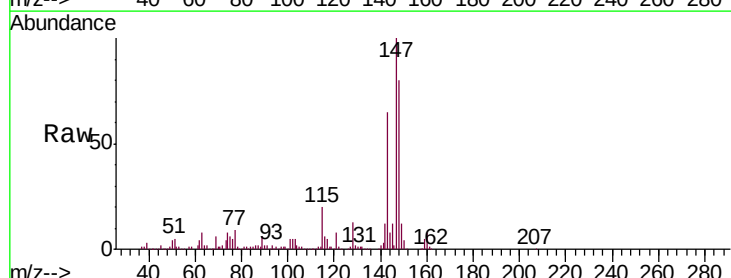
Tgt Ion:142 Resp: 70651

Ion Ratio Lower Upper

142 100

141 25.1 74.1 111.1#

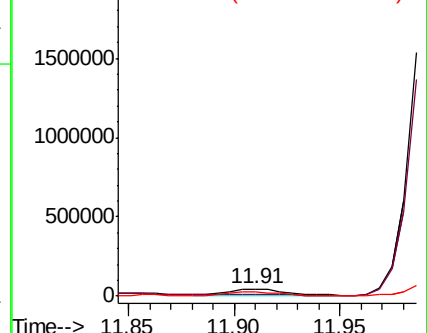
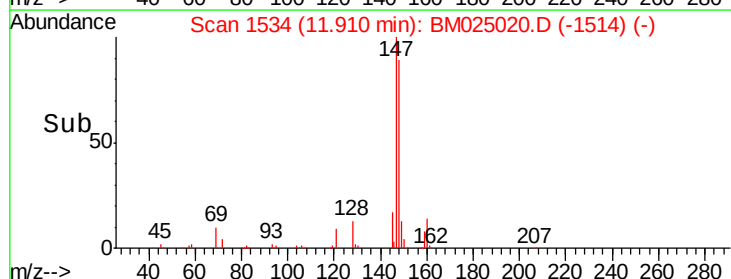
116 52.3 3.0 4.4#

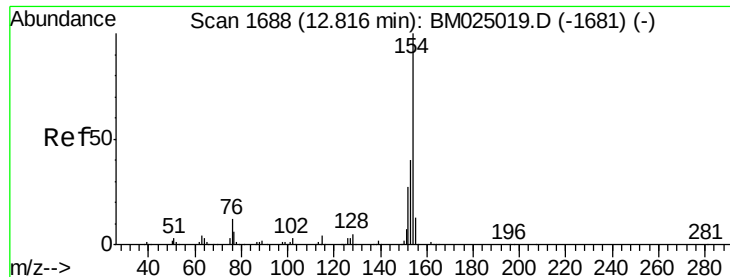


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

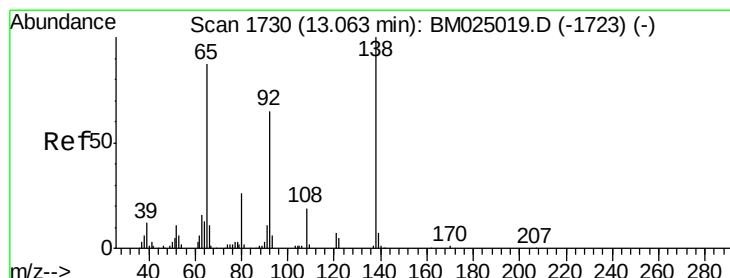
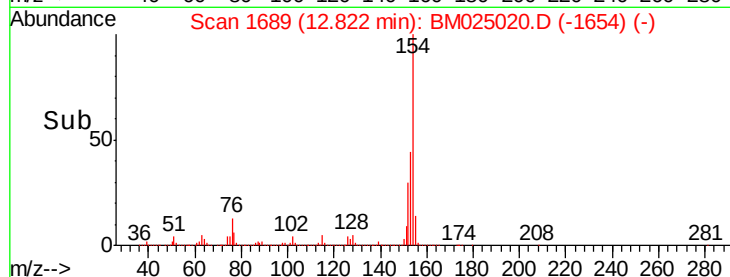
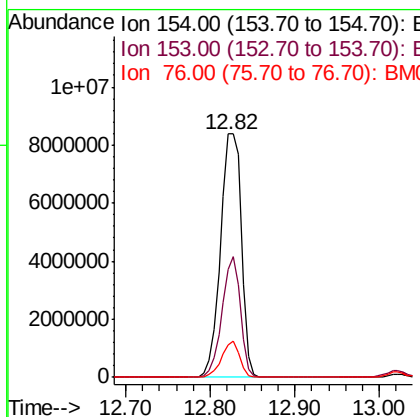
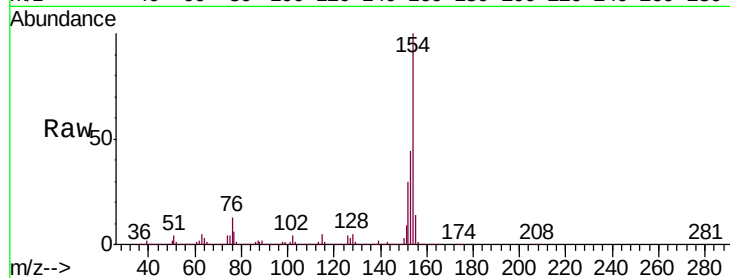




#41
 1,1'-Biphenyl
 Concen: 244.450 ng/ul
 RT: 12.82 min Scan# 1689
 Delta R.T. 0.01 min
 Lab File: BM025020.D
 Acq: 22 Feb 2020 11:08

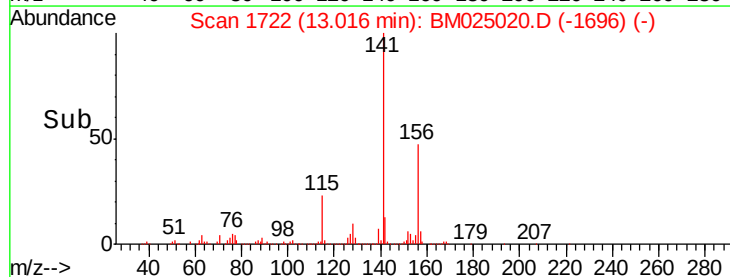
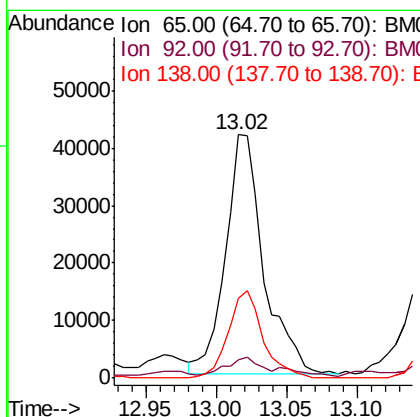
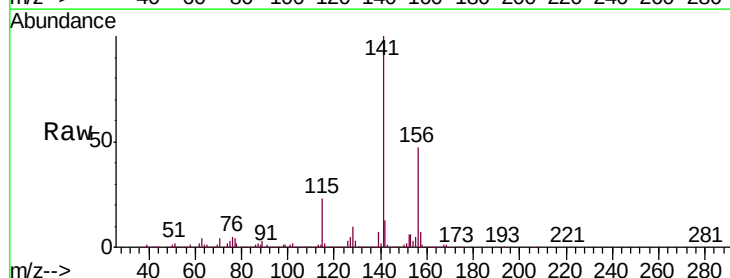
Instrument :
 BNA_M
 ClientSampleId :
 DBD15

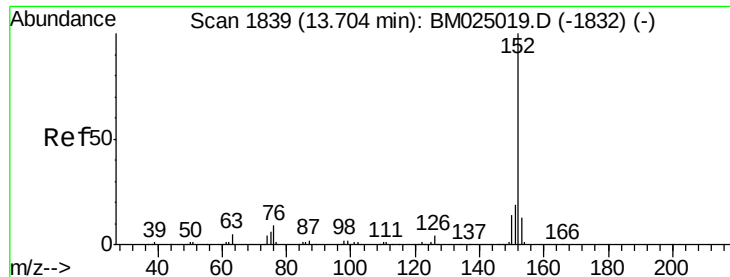
Tgt Ion:154 Resp:14426585
 Ion Ratio Lower Upper
 154 100
 153 44.1 31.4 47.2
 76 13.5 7.5 11.3#



#43
 2-Nitroaniline
 Concen: 7.670 ng/ul
 RT: 13.02 min Scan# 1722
 Delta R.T. -0.05 min
 Lab File: BM025020.D
 Acq: 22 Feb 2020 11:08

Tgt Ion: 65 Resp: 77928
 Ion Ratio Lower Upper
 65 100
 92 7.4 60.2 90.4#
 138 33.0 101.8 152.6#





#48

Acenaphthylene

Concen: 16.848 ng/ul

RT: 13.71 min Scan# 1840

Delta R.T. 0.01 min

Lab File: BM025020.D

Acq: 22 Feb 2020 11:08

Instrument :

BNA_M

ClientSampleId :

DBD15

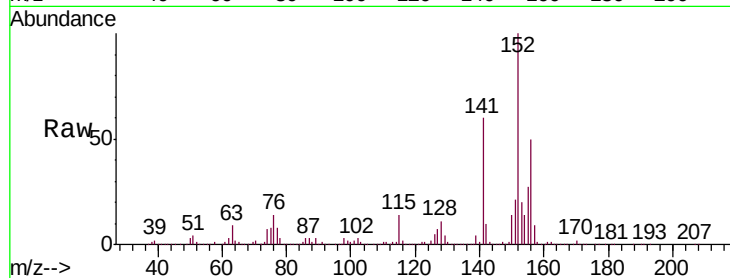
Tgt Ion:152 Resp: 1229860

Ion Ratio Lower Upper

152 100

151 20.7 15.1 22.7

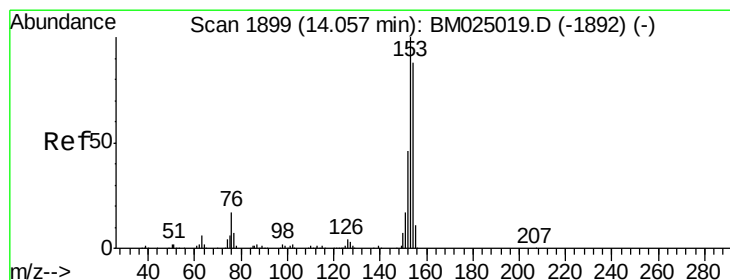
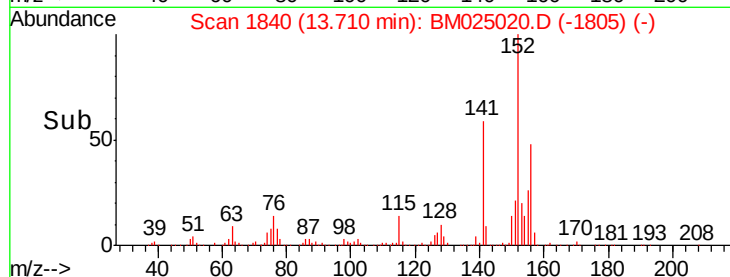
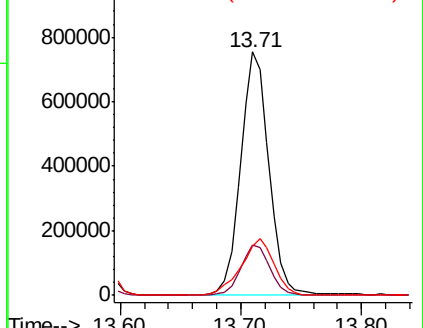
153 20.3 10.1 15.1#



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: 78.221 ng/ul

RT: 14.07 min Scan# 1902

Delta R.T. 0.02 min

Lab File: BM025020.D

Acq: 22 Feb 2020 11:08

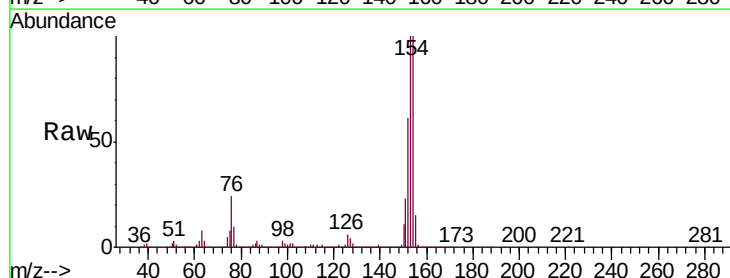
Tgt Ion:153 Resp: 3856138

Ion Ratio Lower Upper

153 100

152 60.7 37.3 55.9#

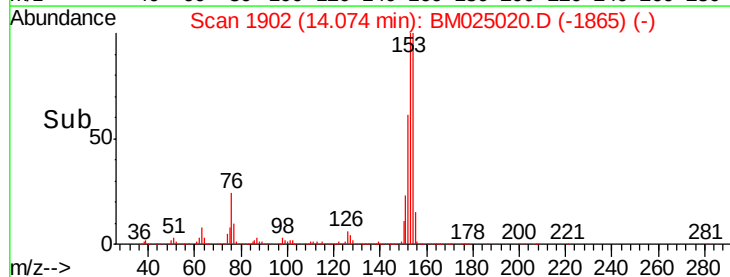
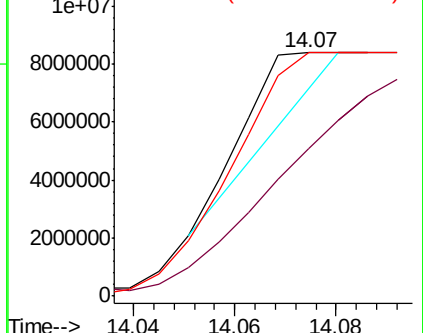
154 100.0 74.1 111.1

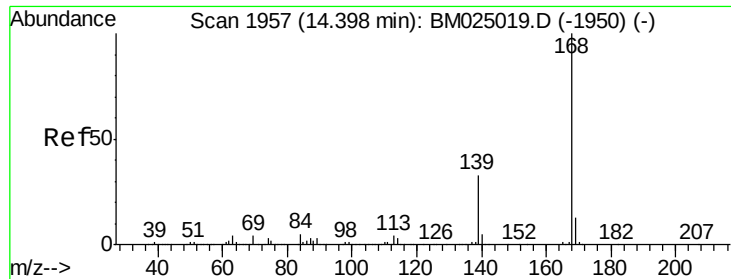


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 18.671 ng/ul

RT: 14.32 min Scan# 1944

Delta R.T. -0.08 min

Lab File: BM025020.D

Acq: 22 Feb 2020 11:08

Instrument :

BNA_M

ClientSampleId :

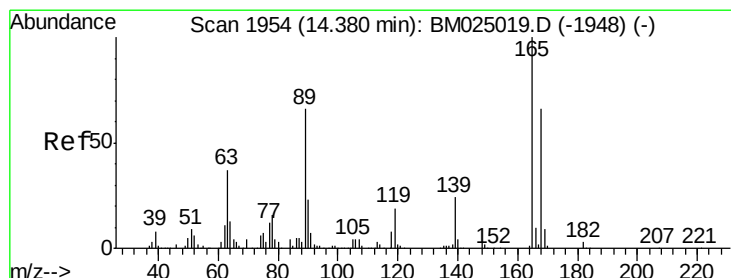
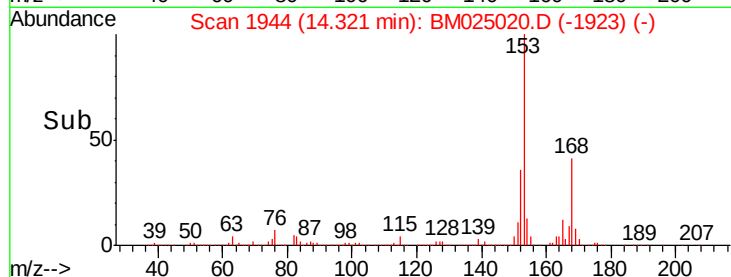
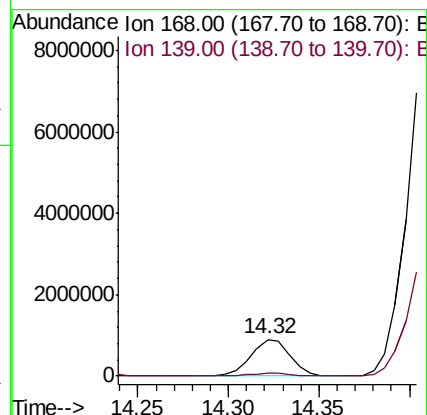
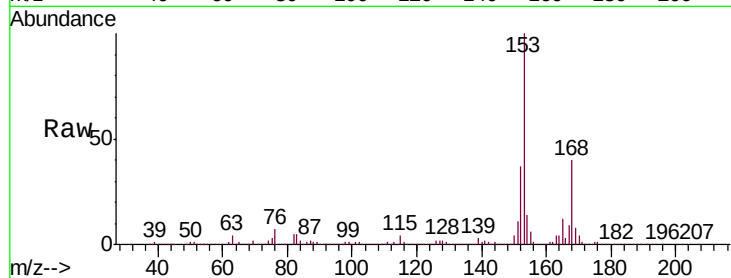
DBD15

Tgt Ion:168 Resp: 1372029

Ion Ratio Lower Upper

168 100

139 7.7 27.8 41.8#



#55

2,4-Dinitrotoluene

Concen: 4.649 ng/ul

RT: 14.39 min Scan# 1955

Delta R.T. 0.01 min

Lab File: BM025020.D

Acq: 22 Feb 2020 11:08

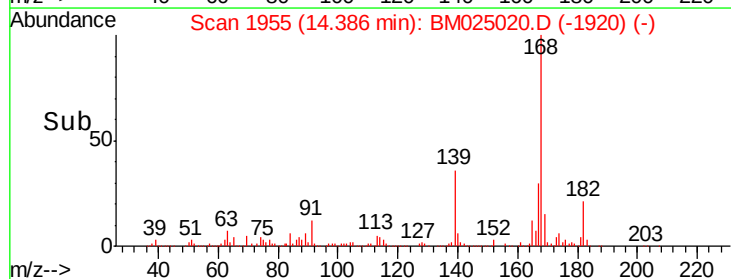
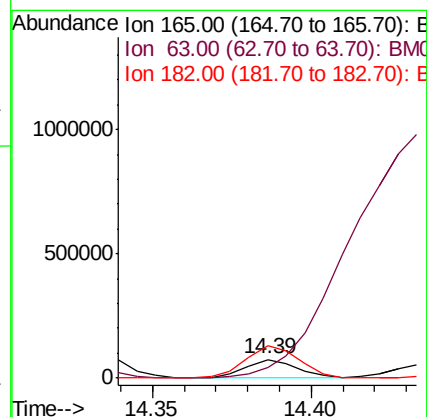
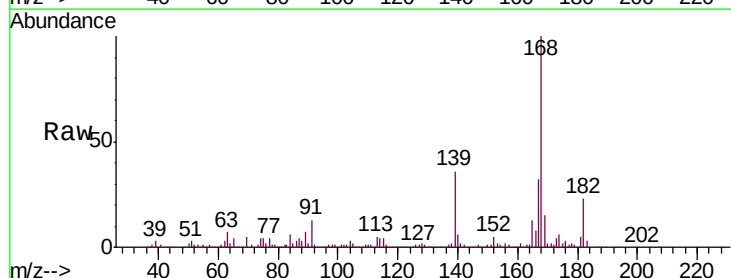
Tgt Ion:165 Resp: 84467

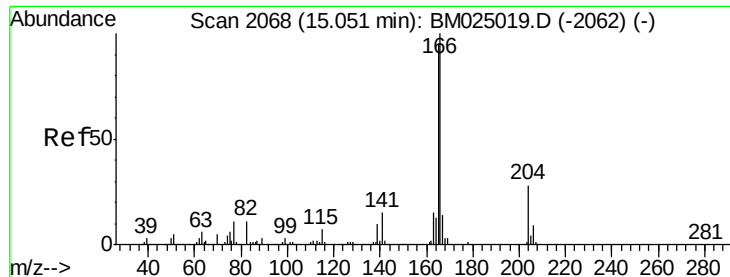
Ion Ratio Lower Upper

165 100

63 55.0 29.0 43.4#

182 173.1 2.7 4.1#

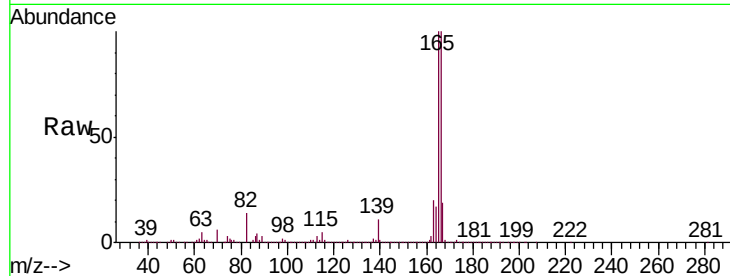




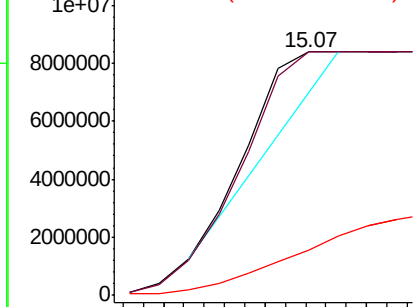
#59
Fluorene
Concen: 57.089 ng/ul
RT: 15.07 min Scan# 2071
Delta R.T. 0.02 min
Lab File: BM025020.D
Acq: 22 Feb 2020 11:08

Instrument :
BNA_M
ClientSampled :
DBD15

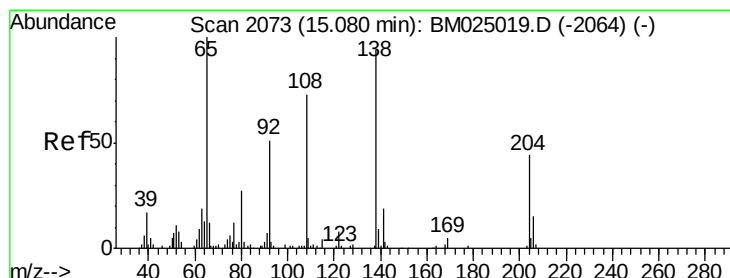
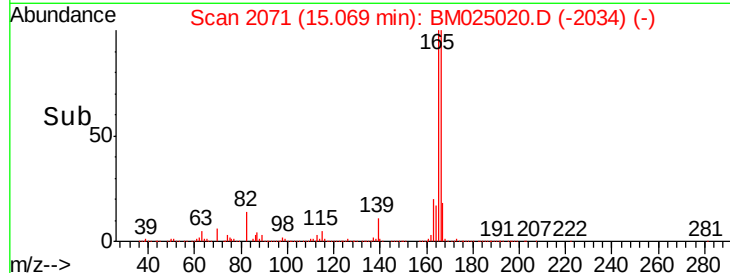
Tgt Ion:166 Resp: 3457508
Ion Ratio Lower Upper
166 100
165 100.0 75.8 113.8
167 18.7 10.6 16.0#



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

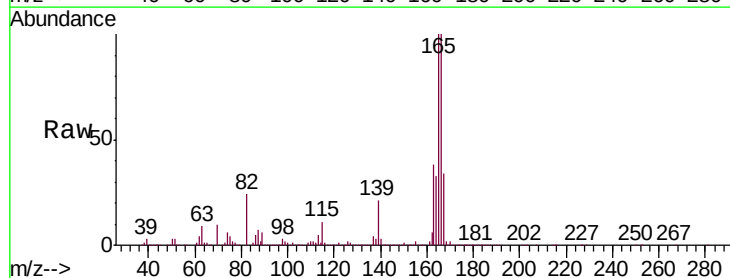


Time-->

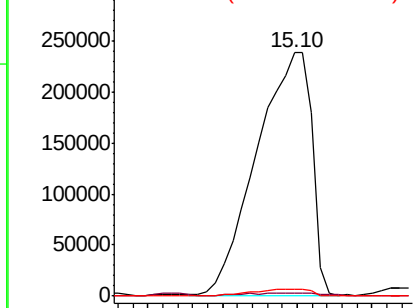


#61
4-Nitroaniline
Concen: 51.502 ng/ul
RT: 15.10 min Scan# 2076
Delta R.T. 0.02 min
Lab File: BM025020.D
Acq: 22 Feb 2020 11:08

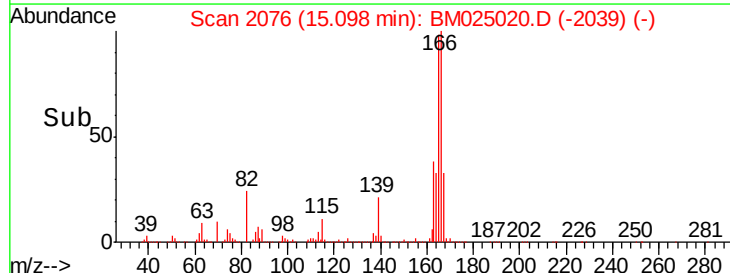
Tgt Ion:138 Resp: 611552
Ion Ratio Lower Upper
138 100
92 1.3 38.0 57.0#
108 3.0 62.1 93.1#

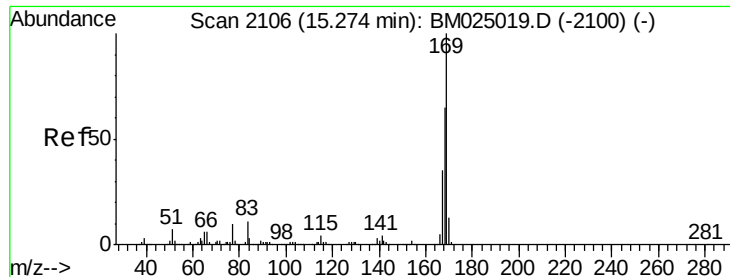


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BM0
Ion 108.00 (107.70 to 108.70): E



Time-->





#65

N-Nitrosodiphenylamine

Concen: 11.088 ng/ul

RT: 15.32 min Scan# 2113

Delta R.T. 0.04 min

Lab File: BM025020.D

Acq: 22 Feb 2020 11:08

Instrument :

BNA_M

ClientSampleId :

DBD15

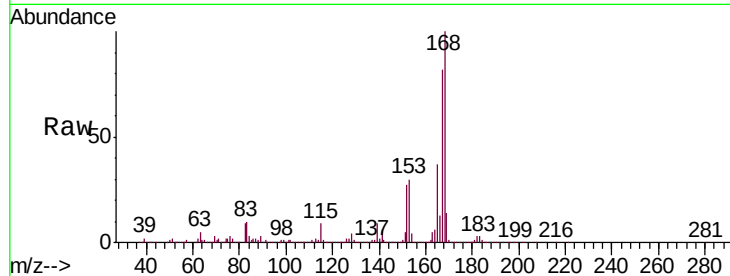
Tgt Ion:169 Resp: 419705

Ion Ratio Lower Upper

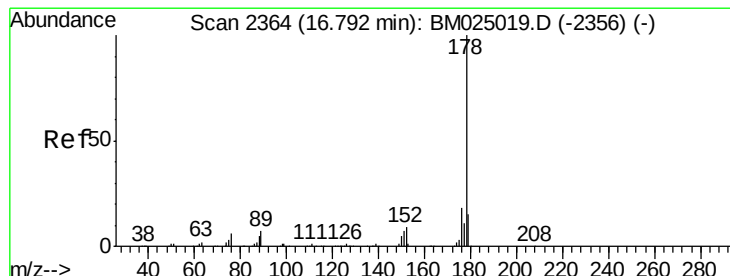
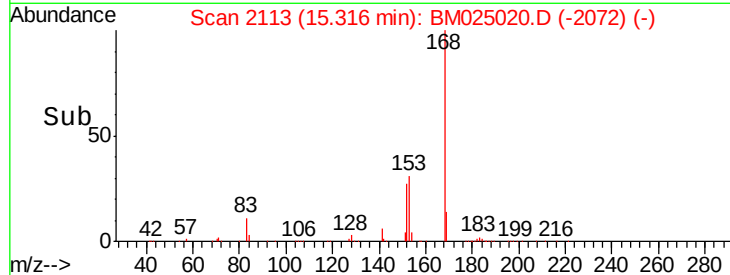
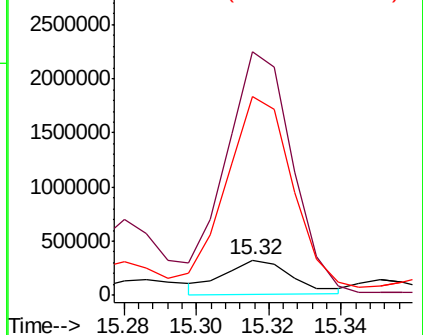
169 100

168 694.8 51.2 76.8#

167 568.9 27.9 41.9#



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: 37.840 ng/ul

RT: 16.93 min Scan# 2388

Delta R.T. 0.14 min

Lab File: BM025020.D

Acq: 22 Feb 2020 11:08

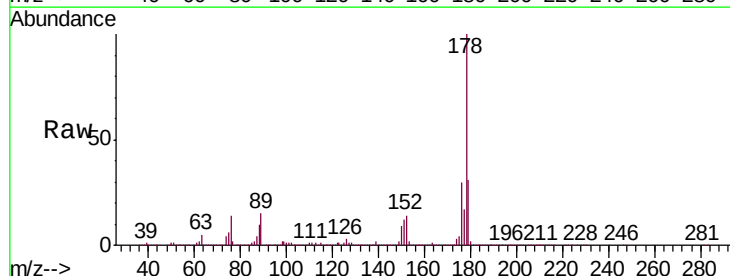
Tgt Ion:178 Resp: 2795896

Ion Ratio Lower Upper

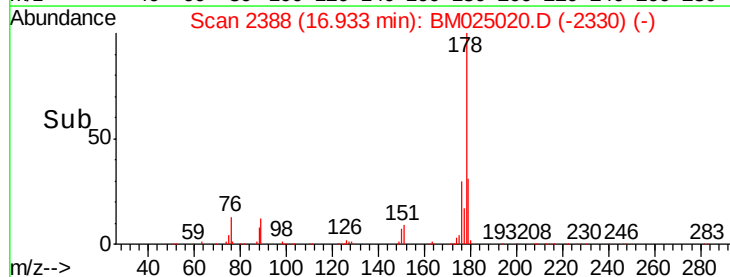
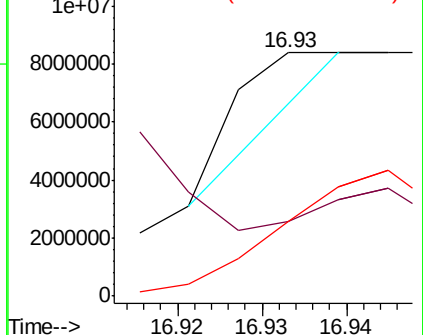
178 100

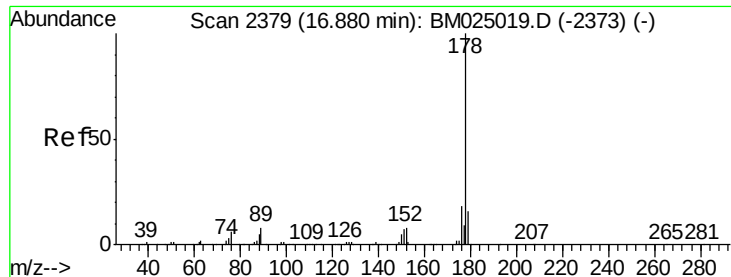
179 30.7 12.2 18.2#

176 30.5 14.5 21.7#



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: 37.311 ng/ul

RT: 16.93 min Scan# 2388

Delta R.T. 0.05 min

Lab File: BM025020.D

Acq: 22 Feb 2020 11:08

Instrument :

BNA_M

ClientSampleId :

DBD15

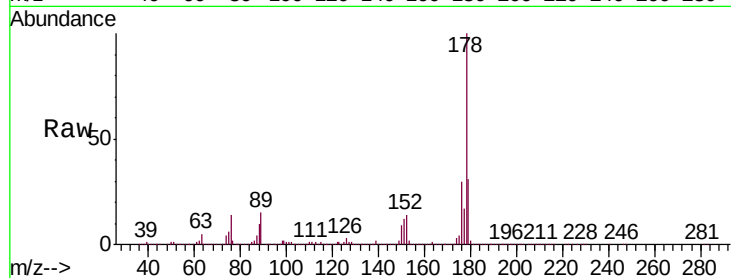
Tgt Ion:178 Resp: 2795896

Ion Ratio Lower Upper

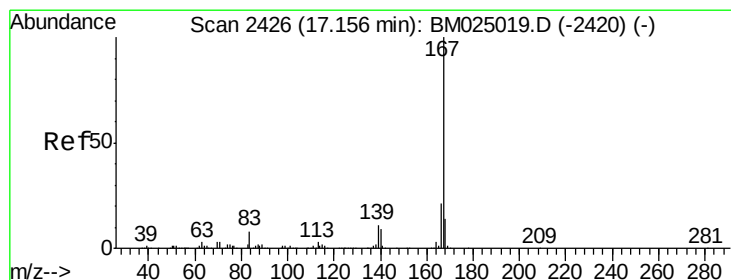
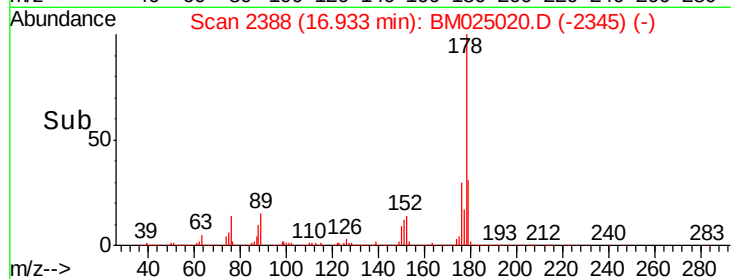
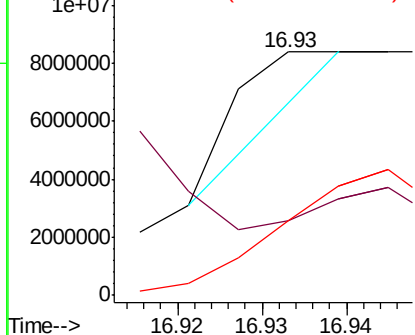
178 100

179 30.7 12.3 18.5#

176 30.5 14.1 21.1#



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

Carbazole

Concen: 249.447 ng/ul

RT: 17.17 min Scan# 2429

Delta R.T. 0.02 min

Lab File: BM025020.D

Acq: 22 Feb 2020 11:08

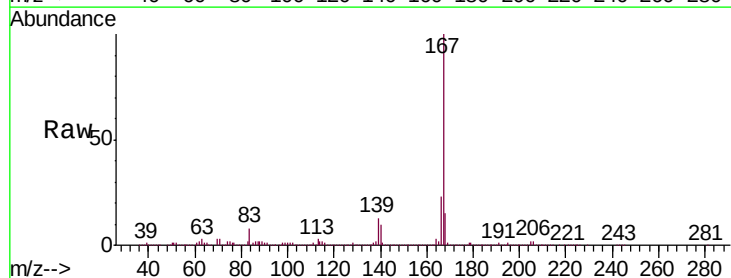
Tgt Ion:167 Resp:15572583

Ion Ratio Lower Upper

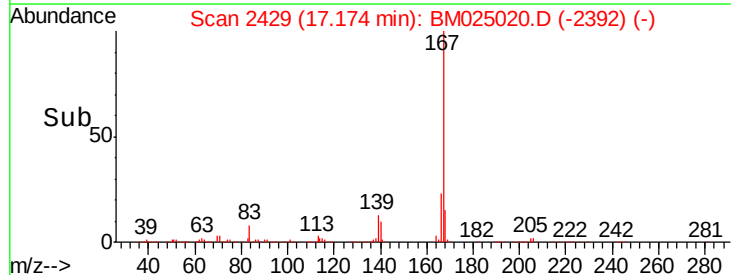
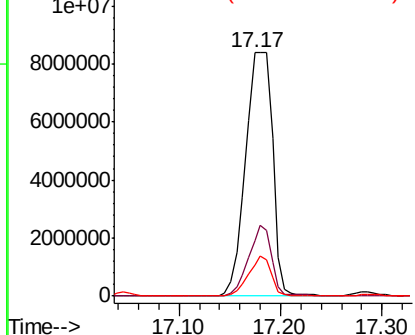
167 100

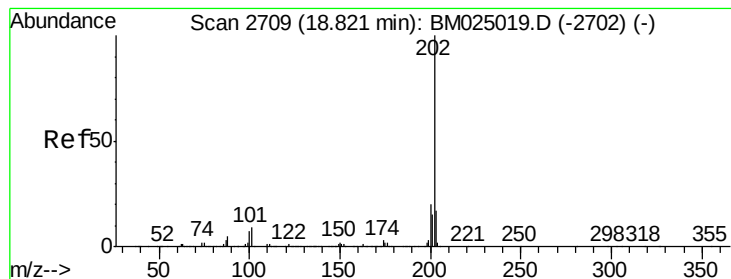
166 22.7 16.6 24.8

139 13.0 9.3 13.9



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





#77

Fluoranthene

Concen: 4.673 ng/ul

RT: 18.96 min Scan# 2732

Delta R.T. 0.14 min

Lab File: BM025020.D

Acq: 22 Feb 2020 11:08

Instrument :

BNA_M

ClientSampleId :

DBD15

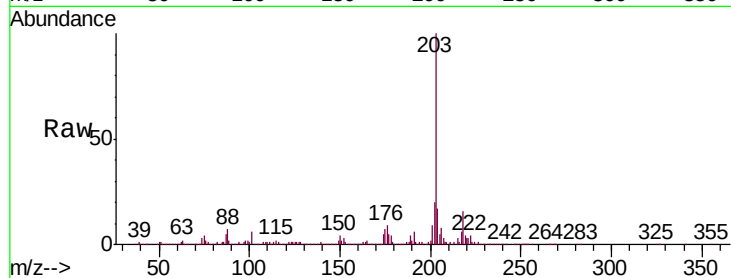
Tgt Ion:202 Resp: 423826

Ion Ratio Lower Upper

202 100

101 29.4 6.1 9.1#

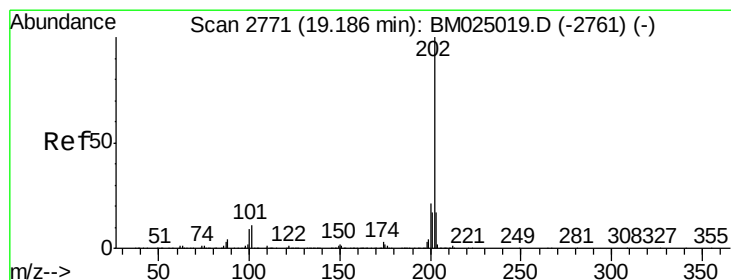
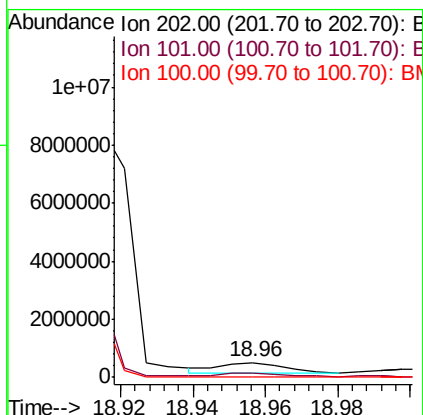
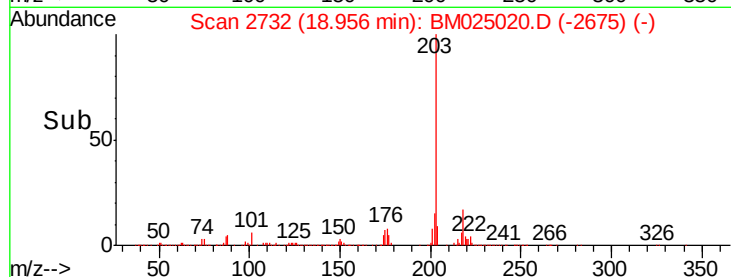
100 7.2 4.8 7.2



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



#80

Pyrene

Concen: 34.472 ng/ul

RT: 19.20 min Scan# 2774

Delta R.T. 0.02 min

Lab File: BM025020.D

Acq: 22 Feb 2020 11:08

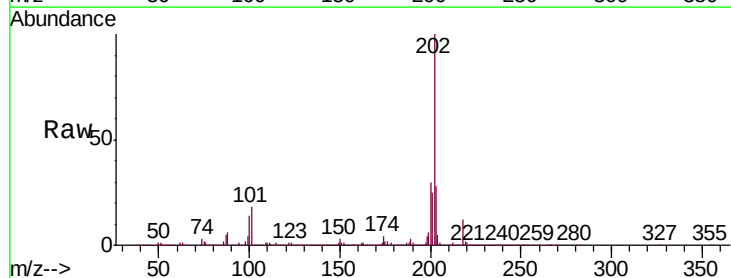
Tgt Ion:202 Resp: 3445933

Ion Ratio Lower Upper

202 100

101 17.5 7.0 10.4#

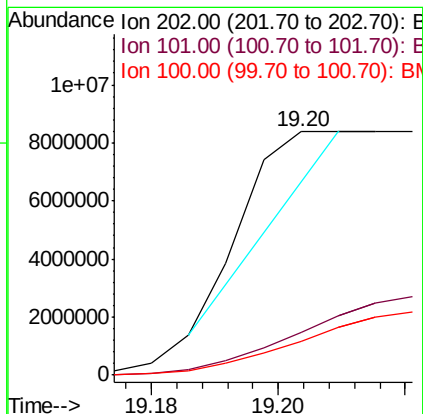
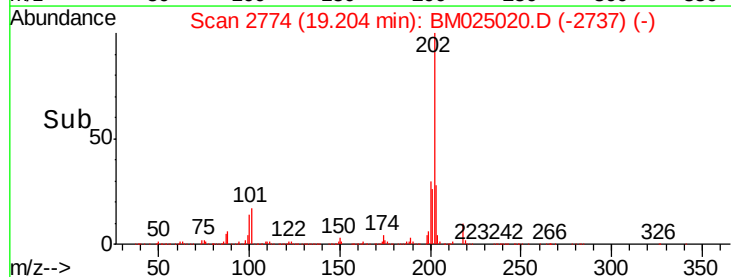
100 14.1 5.8 8.8#

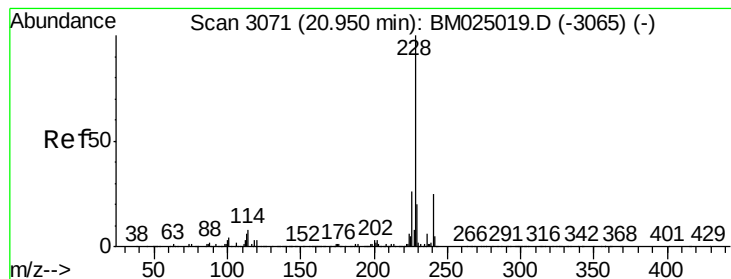


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#83

Benzo(a)anthracene

Concen: 10.694 ng/ul

RT: 21.02 min Scan# 3083

Delta R.T. 0.07 min

Lab File: BM025020.D

Acq: 22 Feb 2020 11:08

Instrument :

BNA_M

ClientSampleId :

DBD15

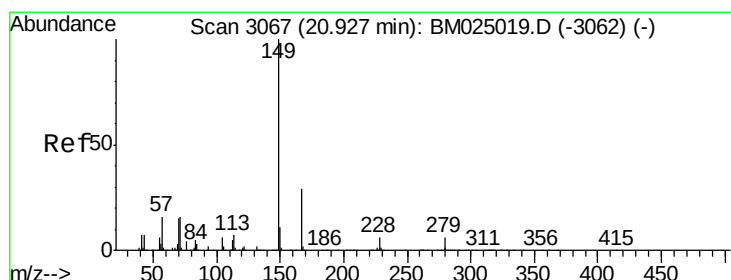
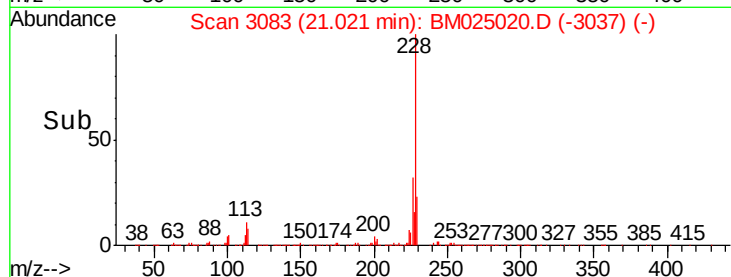
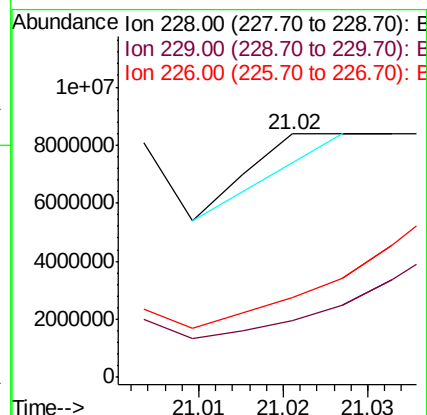
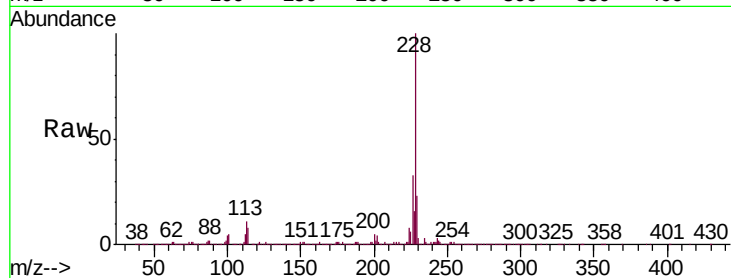
Tgt Ion:228 Resp: 1087850

Ion Ratio Lower Upper

228 100

229 23.4 15.9 23.9

226 32.7 20.8 31.2#



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.691 ng/ul

RT: 20.99 min Scan# 3078

Delta R.T. 0.06 min

Lab File: BM025020.D

Acq: 22 Feb 2020 11:08

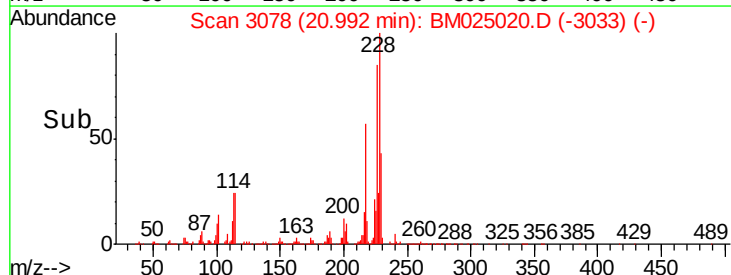
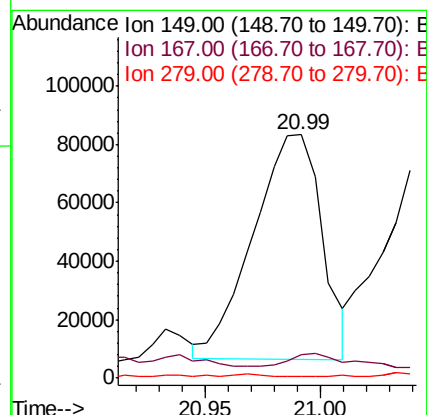
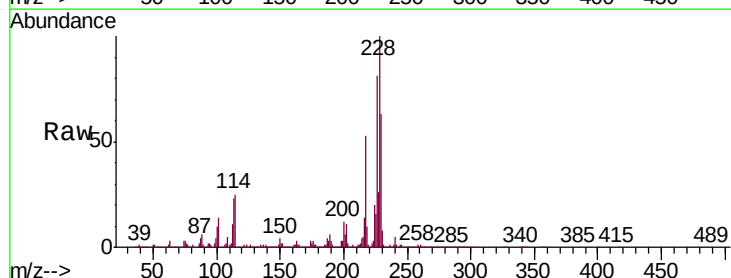
Tgt Ion:149 Resp: 159278

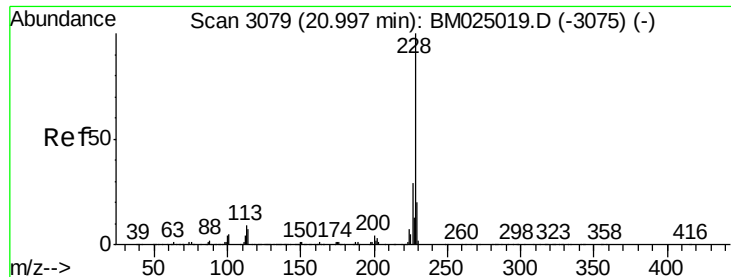
Ion Ratio Lower Upper

149 100

167 9.7 23.4 35.2#

279 0.7 4.7 7.1#





#85

Chrysene

Concen: 10.862 ng/ul

RT: 21.02 min Scan# 3083

Delta R.T. 0.02 min

Lab File: BM025020.D

Acq: 22 Feb 2020 11:08

Instrument :

BNA_M

ClientSampleId :

DBD15

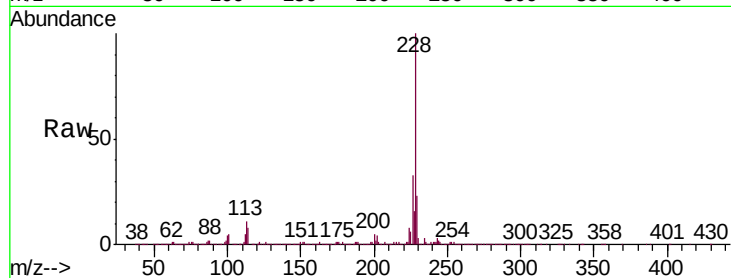
Tgt Ion:228 Resp: 1087850

Ion Ratio Lower Upper

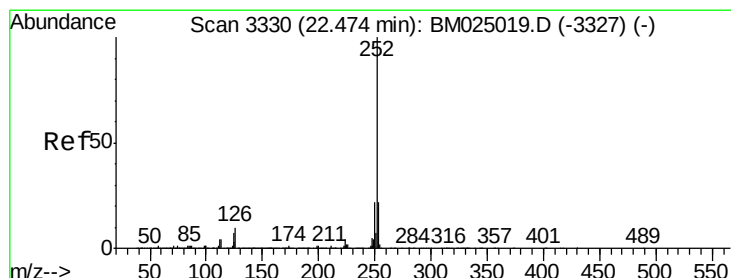
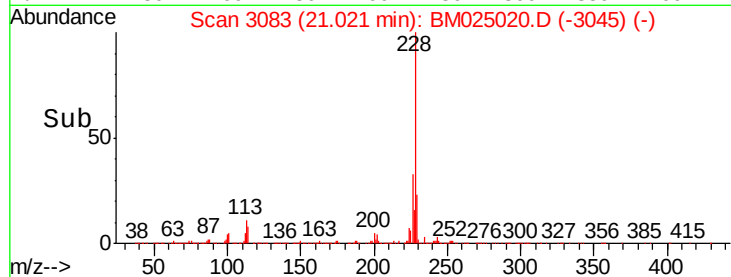
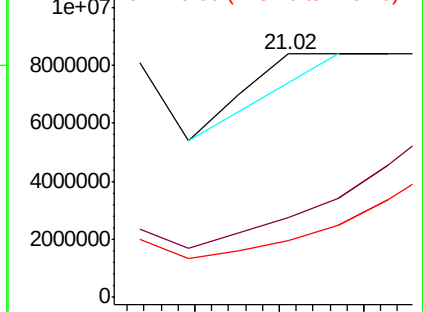
228 100

226 32.7 23.0 34.4

229 23.4 15.8 23.8



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



#89

Benzo(k)fluoranthene

Concen: 40.463 ng/ul

RT: 22.61 min Scan# 3353

Delta R.T. 0.14 min

Lab File: BM025020.D

Acq: 22 Feb 2020 11:08

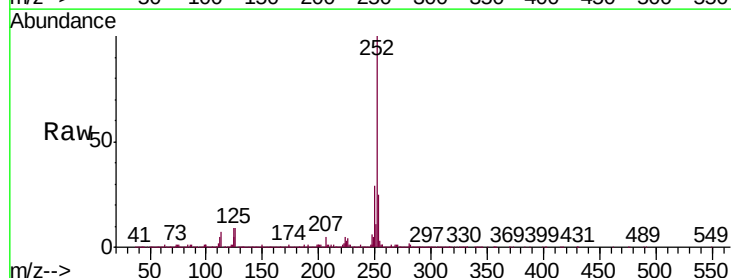
Tgt Ion:252 Resp: 4615893

Ion Ratio Lower Upper

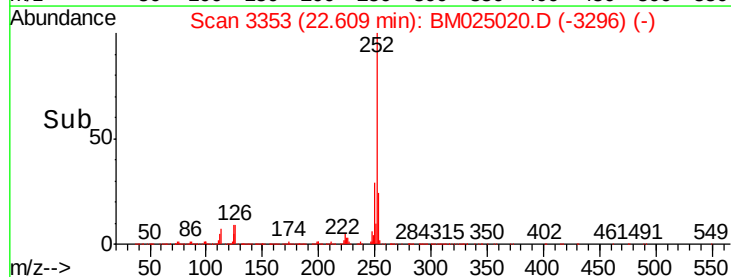
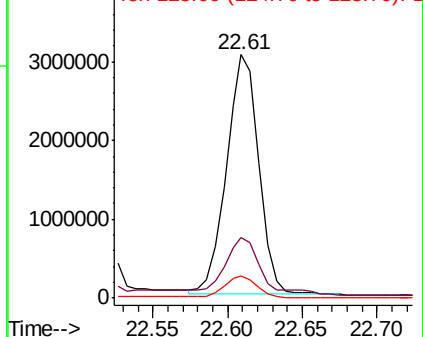
252 100

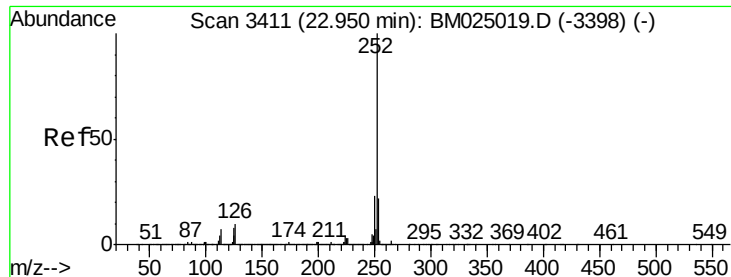
253 24.8 17.4 26.0

125 9.3 5.1 7.7#



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

Benzo(a)pyrene

Concen: 129.666 ng/ul

RT: 22.90 min Scan# 3402

Delta R.T. -0.05 min

Lab File: BM025020.D

Acq: 22 Feb 2020 11:08

Instrument :

BNA_M

ClientSampleId :

DBD15

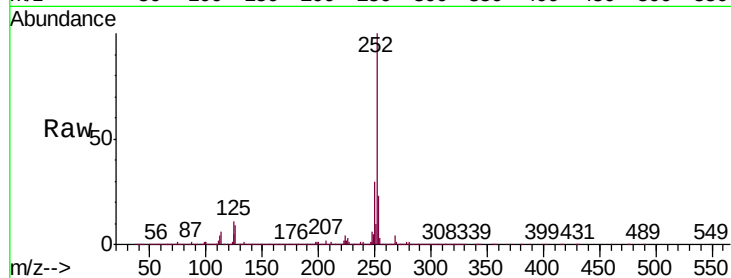
Tgt Ion:252 Resp:13777916

Ion Ratio Lower Upper

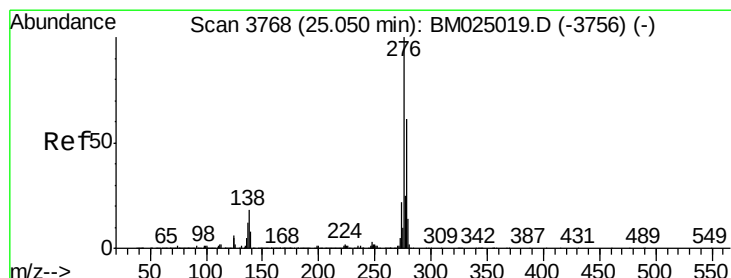
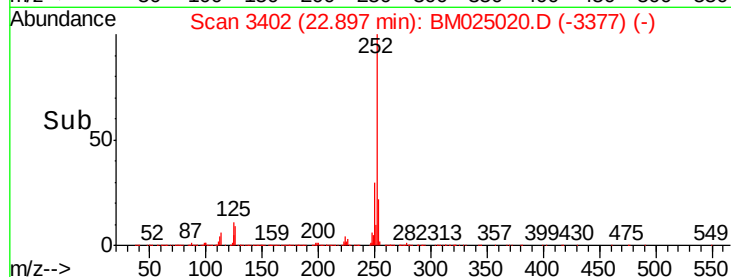
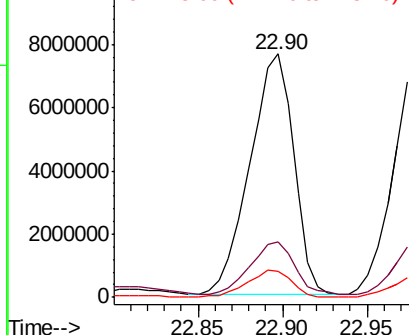
252 100

253 23.0 17.5 26.3

125 11.0 5.6 8.4#



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



#92

Indeno(1,2,3-cd)pyrene

Concen: 55.523 ng/ul

RT: 25.08 min Scan# 3773

Delta R.T. 0.03 min

Lab File: BM025020.D

Acq: 22 Feb 2020 11:08

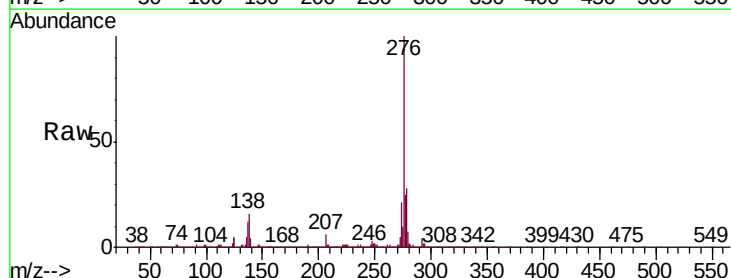
Tgt Ion:276 Resp: 7344850

Ion Ratio Lower Upper

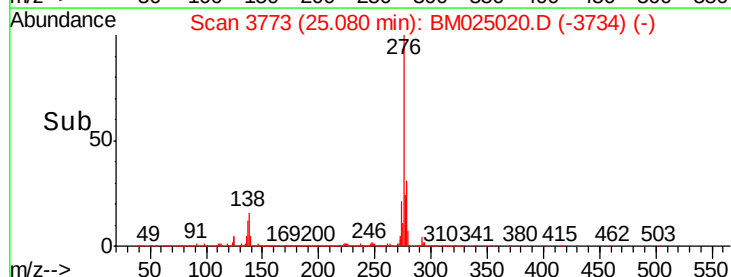
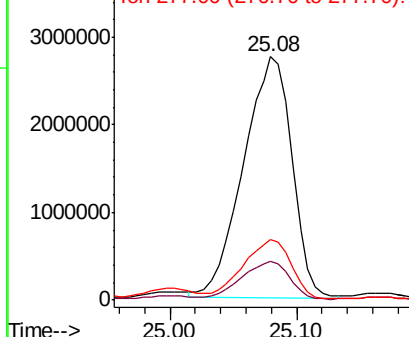
276 100

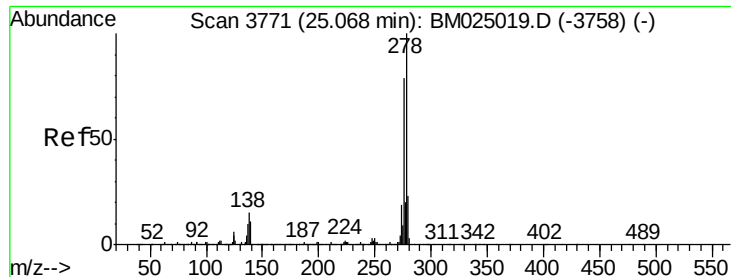
138 15.9 12.8 19.2

277 24.7 19.3 28.9



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





#93

Dibenzo(a,h)anthracene

Concen: 18.285 ng/ul

RT: 25.08 min Scan# 3773

Delta R.T. 0.01 min

Lab File: BM025020.D

Acq: 22 Feb 2020 11:08

Instrument :

BNA_M

ClientSampleId :

DBD15

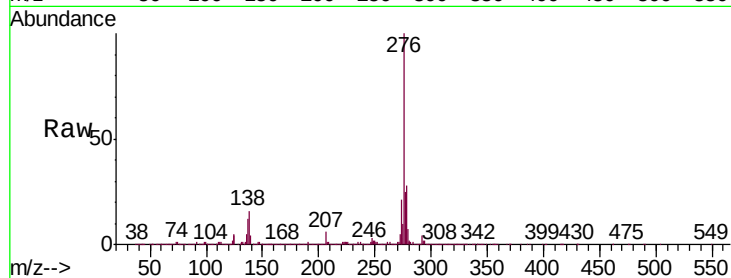
Tgt Ion:278 Resp: 2060844

Ion Ratio Lower Upper

278 100

139 15.2 8.4 12.6#

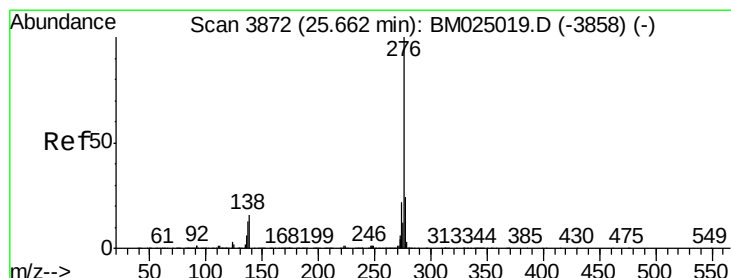
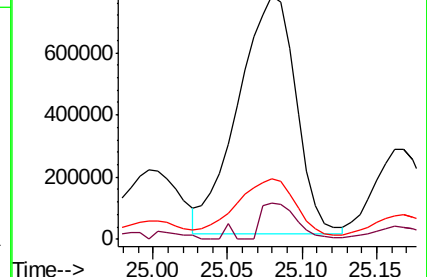
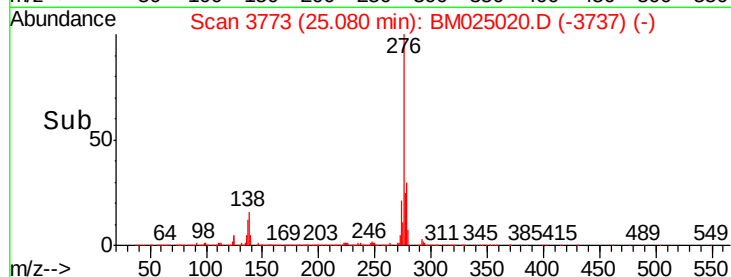
279 25.0 18.5 27.7



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



#94

Benzo(g,h,i)perylene

Concen: 47.884 ng/ul

RT: 25.69 min Scan# 3876

Delta R.T. 0.02 min

Lab File: BM025020.D

Acq: 22 Feb 2020 11:08

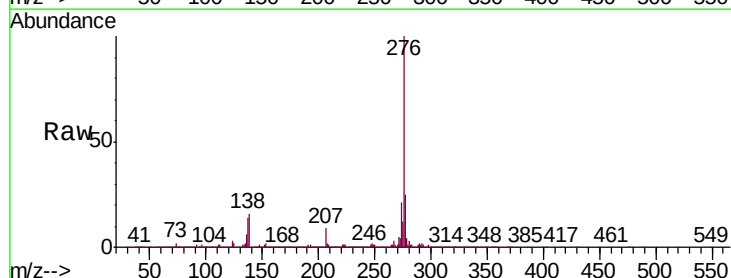
Tgt Ion:276 Resp: 5268235

Ion Ratio Lower Upper

276 100

138 15.7 11.8 17.6

277 24.7 19.0 28.6



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

