

Data File : BM024996.D
Acq On : 21 Feb 2020 20:46
Operator : CG/JU
Sample : L1582-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DBDJ7

Quant Time: Feb 22 01:18:51 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 22 01:15:56 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.34	152	177936	20.00	ng/ul	0.00
18) Naphthalene-d8	10.03	136	4769	20.00	ng/ul	-0.06
36) Acenaphthene-d10	14.00	164	535878	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.75	188	1185540	20.00	ng/ul	0.00
78) Chrysene-d12	20.96	240	1268970	20.00	ng/ul	0.00
86) Perylene-d12	23.04	264	1500583	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.94	96	24776	6.70	ng/uL	0.00
5) Phenol-d5	6.55	99	87951	7.44	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.69	67	252506	37.82	ng/ul	0.00
9) 2-Chlorophenol-d4	6.88	132	286739	27.08	ng/ul	0.00
13) 4-Methylphenol-d8	8.06	113	172770	17.32	ng/ul	0.00
19) Nitrobenzene-d5	8.49	128	194283	5633.71	ng/ul	0.00
22) 2-Nitrophenol-d4	9.21	143	215947	5299.53	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	9.77	165	372499	4531.71	ng/ul	0.05
29) 4-Chloroaniline-d4	10.16	131	64518	839.08	ng/ul	-0.08
44) Dimethylphthalate-d6	13.43	166	1323060	32.71	ng/ul	0.00
47) Acenaphthylene-d8	13.68	160	1652321	34.98	ng/ul	0.00
52) 4-Nitrophenol-d4	14.24	143	26230	3.99	ng/ul	0.00
58) Fluorene-d10	15.00	176	1251165	34.93	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.14	200	229411	29.69	ng/ul	0.00
71) Anthracene-d10	16.85	188	2005334	37.05	ng/ul	0.00
79) Pyrene-d10	19.16	212	2331840	36.74	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.92	264	2756449	36.57	ng/ul	0.00

Target Compounds

					Qvalue	
4) Benzaldehyde	6.51	77	50076	6.441	ng/ul#	1
17) Hexachloroethane	8.37	117	21749	4.467	ng/ul#	1
20) Nitrobenzene	8.44	77	27120	331.220	ng/ul#	20
21) Isophorone	9.04	82	4015	27.040	ng/ul#	39
23) 2-Nitrophenol	9.10	139	2047	46.674	ng/ul#	1
24) 2,4-Dimethylphenol	9.25	107	14155	172.759	ng/ul#	1
25) Bis(2-Chloroethoxy)methane	9.47	93	121965	1309.529	ng/ul#	5
30) 4-Chloroaniline	10.22	127	23323889	303913.241	ng/ul#	8
33) 4-Chloro-3-methylphenol	11.37	107	1040	13.807	ng/ul#	17
35) 1-Methylnaphthalene	12.02	142	15797229	88250.057	ng/ul	97
41) 1,1'-Biphenyl	12.82	154	6613556	167.179	ng/ul#	97
48) Acenaphthylene	13.71	152	396145	8.096	ng/ul#	93
50) Acenaphthene	14.07	153	17539155	530.765	ng/ul	90
54) Dibenzofuran	14.41	168	15759975	319.944	ng/ul#	82
59) Fluorene	15.07	166	10336867	254.624	ng/ul	98
70) Phenanthrene	16.80	178	12705813	196.559	ng/ul	96
72) Anthracene	16.89	178	437375	6.672	ng/ul	98
75) Carbazole	17.27	167	806779	14.772	ng/ul#	80
77) Fluoranthene	18.82	202	1146753	14.451	ng/ul	96
80) Pyrene	19.19	202	702264	8.361	ng/ul#	96

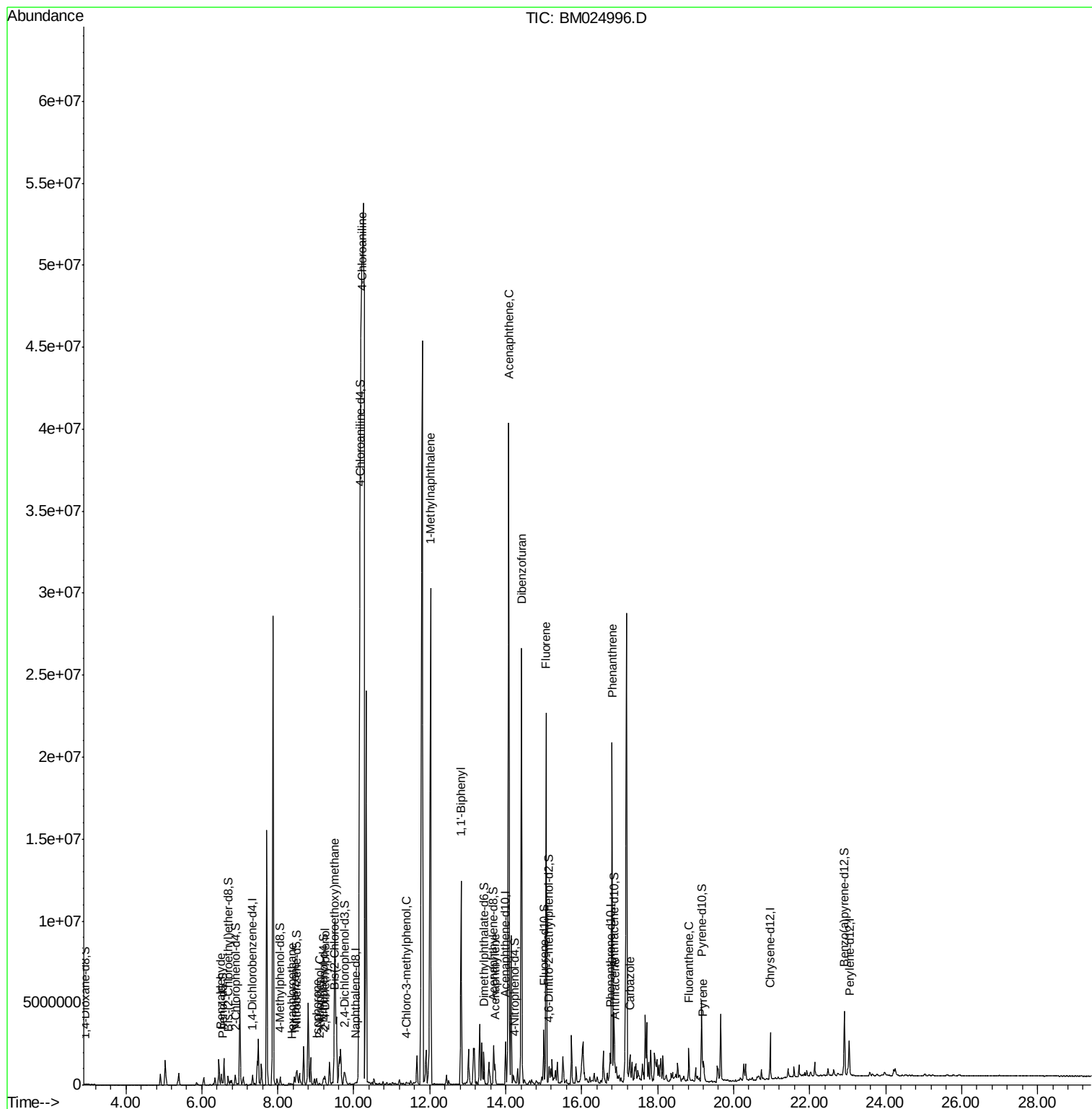
(#) = qualifier out of range (m) = manual integration (+) = signals summed

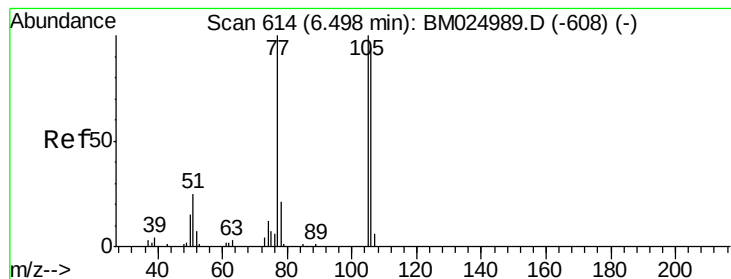
Data File : BM024996.D

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#4

Benzaldehyde

Concen: 6.441 ng/ul

RT: 6.51 min Scan# 616

Delta R.T. 0.01 min

Lab File: BM024996.D

Acq: 21 Feb 2020 20:46

Instrument :

BNA_M

ClientSampleId :

DBDJ7

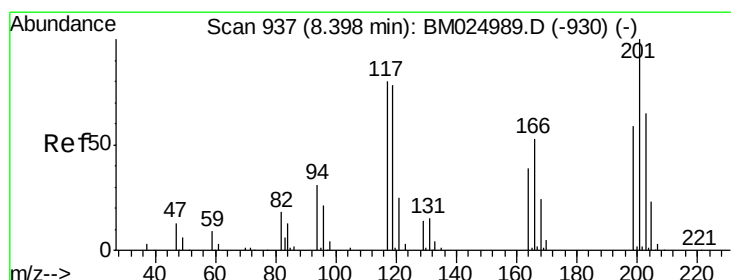
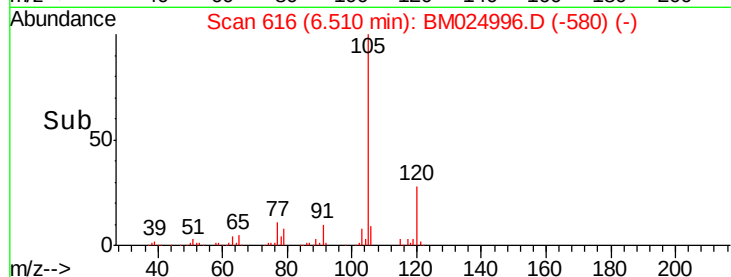
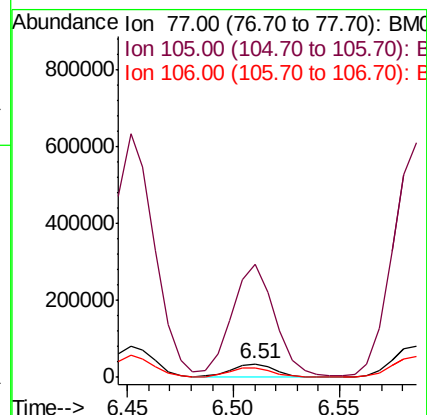
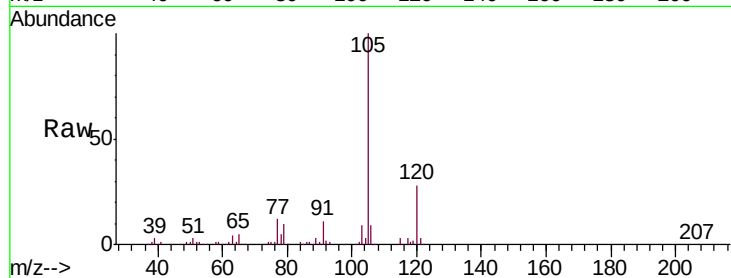
Tgt Ion: 77 Resp: 50076

Ion Ratio Lower Upper

77 100

105 852.1 76.2 114.2#

106 75.2 75.4 113.2#



#17

Hexachloroethane

Concen: 4.467 ng/ul

RT: 8.37 min Scan# 933

Delta R.T. -0.02 min

Lab File: BM024996.D

Acq: 21 Feb 2020 20:46

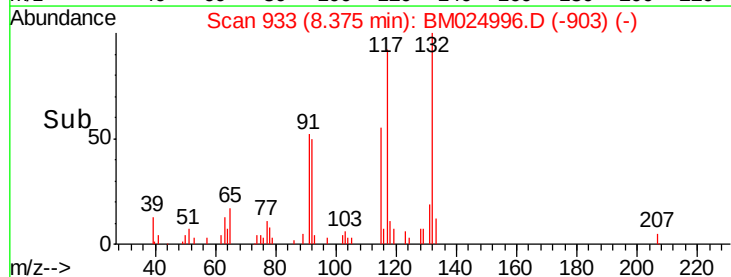
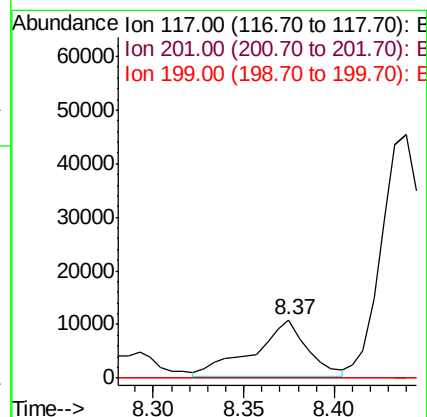
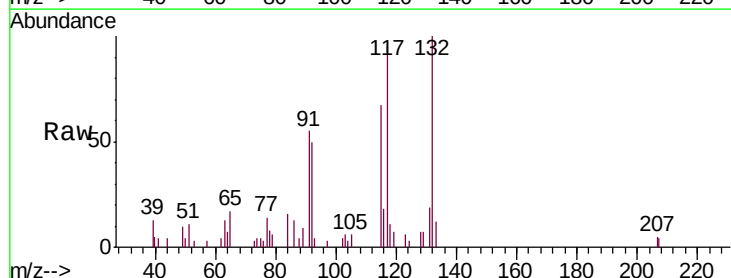
Tgt Ion: 117 Resp: 21749

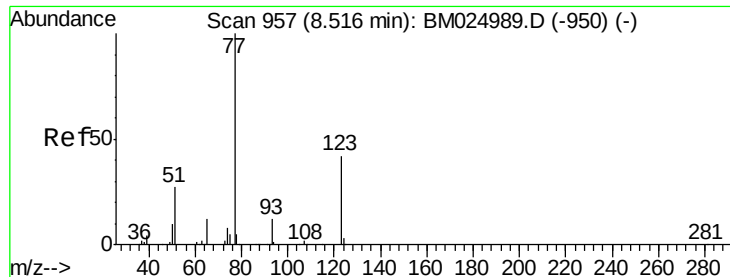
Ion Ratio Lower Upper

117 100

201 0.0 106.6 160.0#

199 0.0 68.0 102.0#





#20

Nitrobenzene

Concen: 331.220 ng/ul

RT: 8.44 min Scan# 944

Delta R.T. -0.08 min

Lab File: BM024996.D

Acq: 21 Feb 2020 20:46

Instrument :

BNA_M

ClientSampleId :

DBDJ7

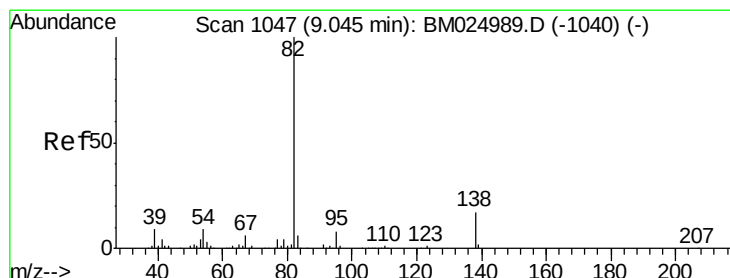
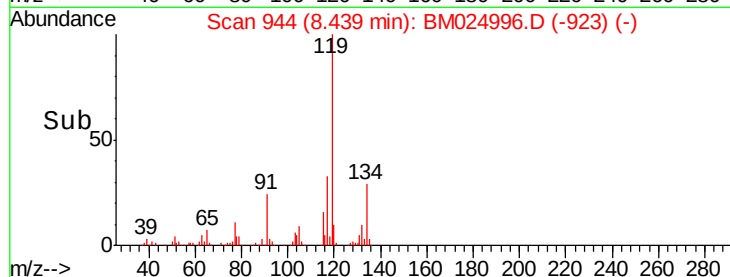
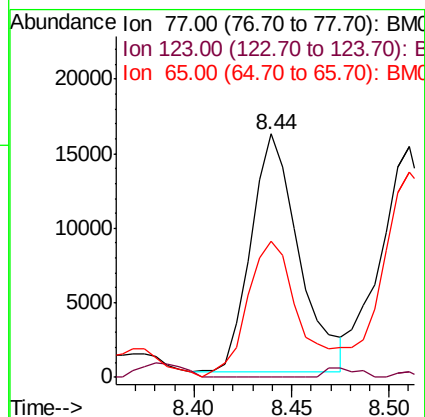
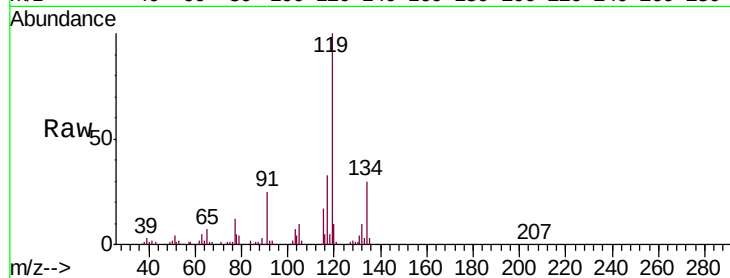
Tgt Ion: 77 Resp: 27120

Ion Ratio Lower Upper

77 100

123 0.0 38.8 58.2#

65 55.9 9.9 14.9#



#21

Isophorone

Concen: 27.040 ng/ul

RT: 9.04 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BM024996.D

Acq: 21 Feb 2020 20:46

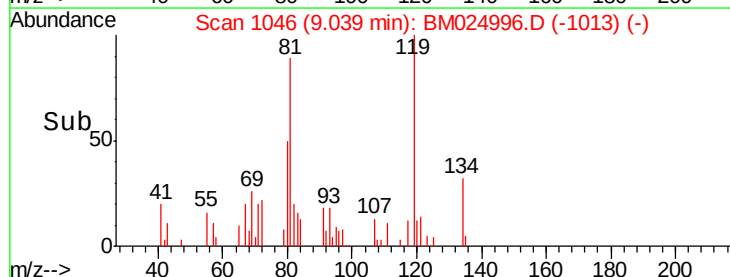
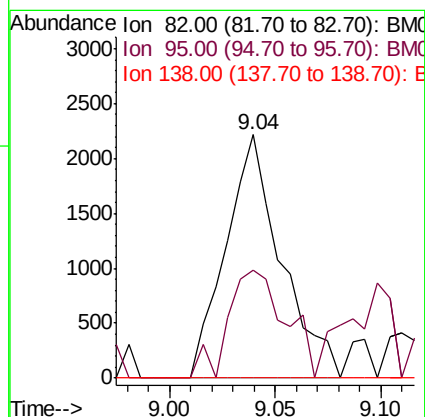
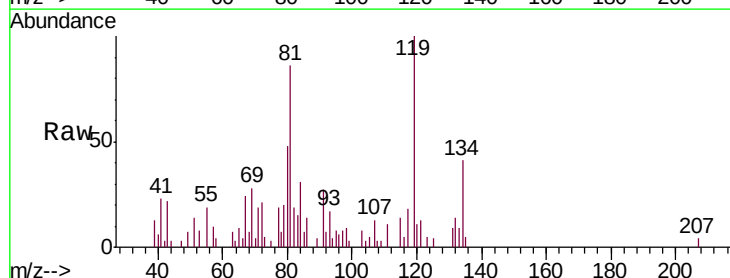
Tgt Ion: 82 Resp: 4015

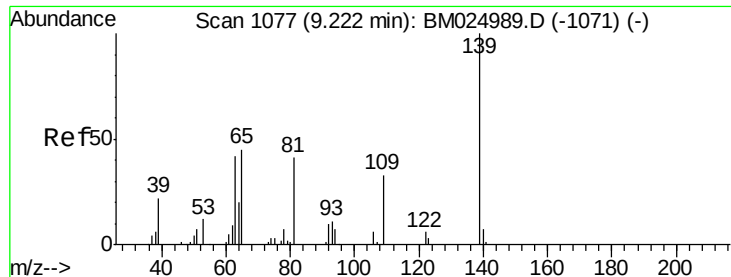
Ion Ratio Lower Upper

82 100

95 44.2 6.6 10.0#

138 0.0 16.9 25.3#

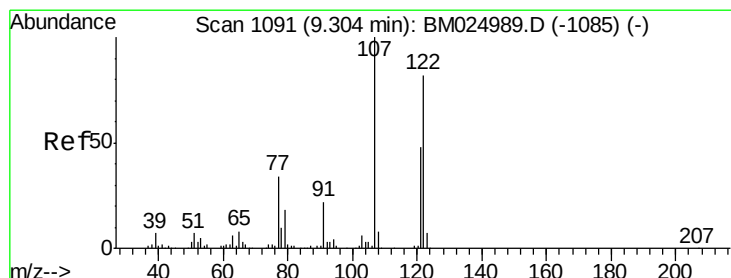
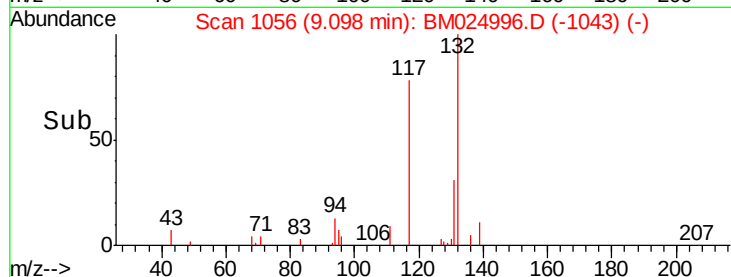
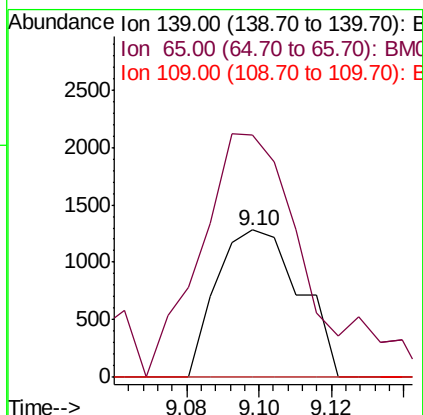
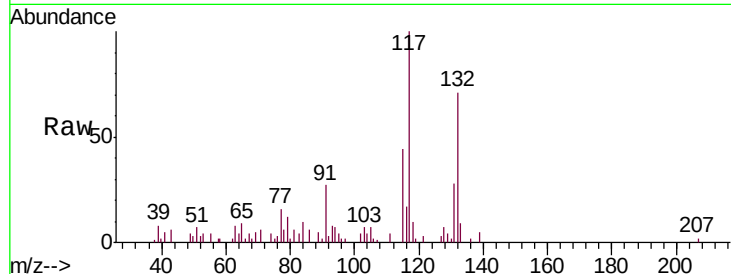




#23
2-Nitrophenol
Concen: 46.674 ng/ul
RT: 9.10 min Scan# 1056
Delta R.T. -0.12 min
Lab File: BM024996.D
Acq: 21 Feb 2020 20:46

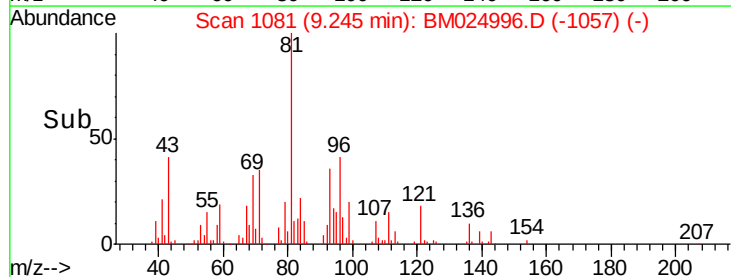
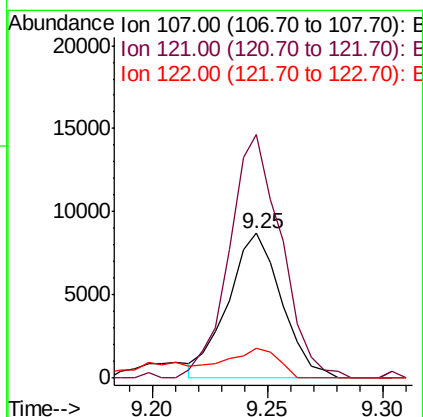
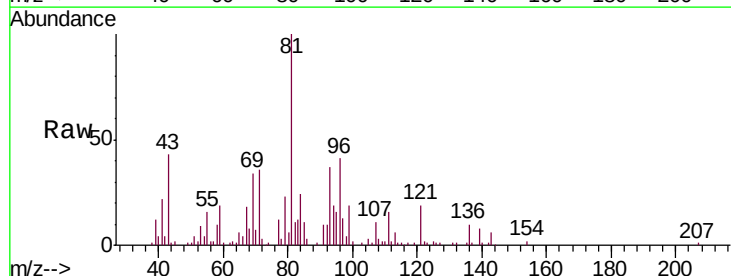
Instrument :
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DBDJ7

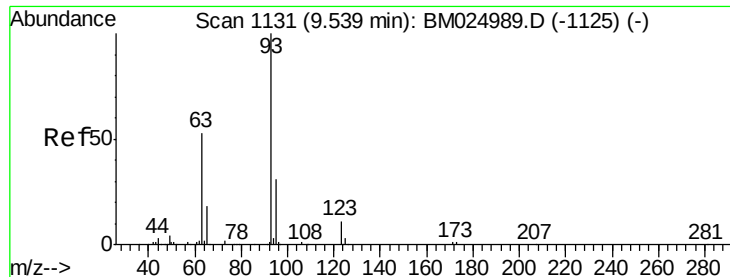
Tgt Ion:139 Resp: 2047
Ion Ratio Lower Upper
139 100
65 163.8 33.0 49.6#
109 0.0 25.4 38.0#



#24
2,4-Dimethylphenol
Concen: 172.759 ng/ul
RT: 9.25 min Scan# 1081
Delta R.T. -0.06 min
Lab File: BM024996.D
Acq: 21 Feb 2020 20:46

Tgt Ion:107 Resp: 14155
Ion Ratio Lower Upper
107 100
121 168.2 41.9 62.9#
122 20.7 70.2 105.4#





#25

Bis(2-Chloroethoxy)methane

Concen: 1309.529 ng/ul

RT: 9.47 min Scan# 1120

Delta R.T. -0.06 min

Lab File: BM024996.D

Acq: 21 Feb 2020 20:46

Instrument :

BNA_M

ClientSampleId :

DBDJ7

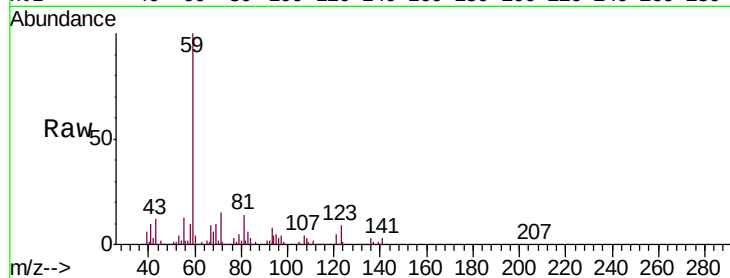
Tgt Ion: 93 Resp: 121965

Ion Ratio Lower Upper

93 100

95 56.5 26.1 39.1#

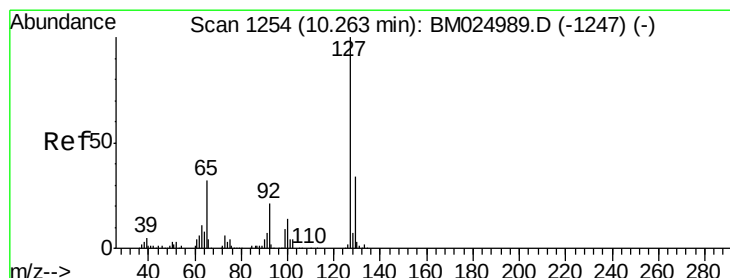
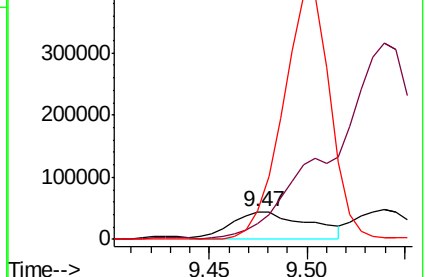
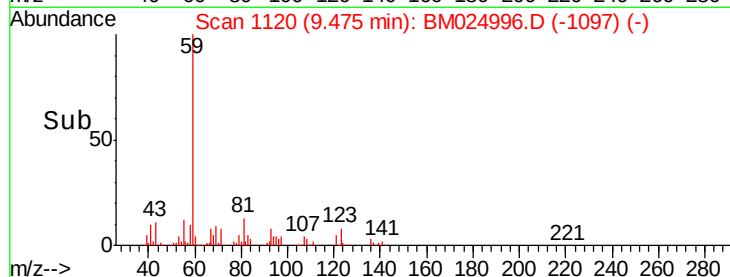
123 103.4 10.2 15.4#



Abundance Ion 93.00 (92.70 to 93.70): BM024989.D (-1125) (-)

Ion 95.00 (94.70 to 95.70): BM024989.D (-1125) (-)

Ion 123.00 (122.70 to 123.70): BM024989.D (-1125) (-)



#30

4-Chloroaniline

Concen: 303913.241 ng/ul

RT: 10.22 min Scan# 1247

Delta R.T. -0.04 min

Lab File: BM024996.D

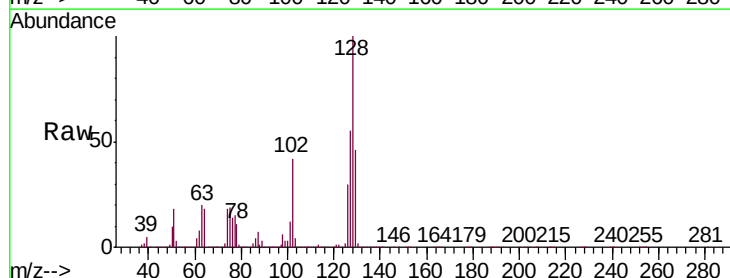
Acq: 21 Feb 2020 20:46

Tgt Ion: 127 Resp: 23323889

Ion Ratio Lower Upper

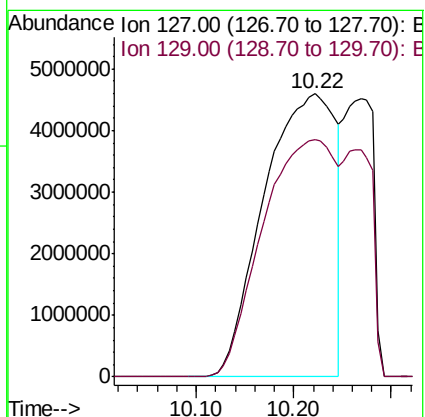
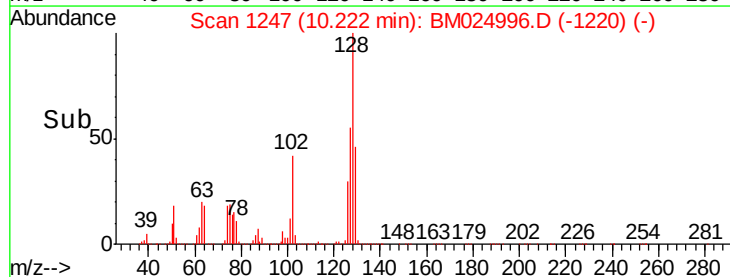
127 100

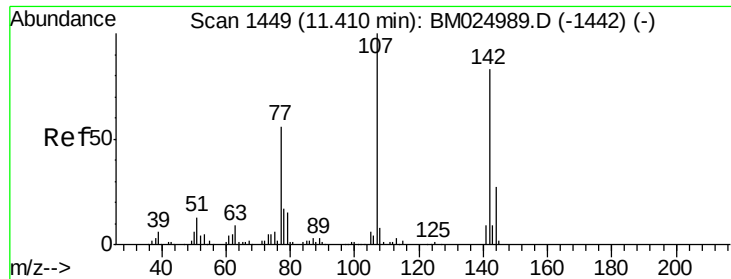
129 83.7 25.8 38.8#



Abundance Ion 127.00 (126.70 to 127.70): BM024989.D (-1247) (-)

Ion 129.00 (128.70 to 129.70): BM024989.D (-1247) (-)

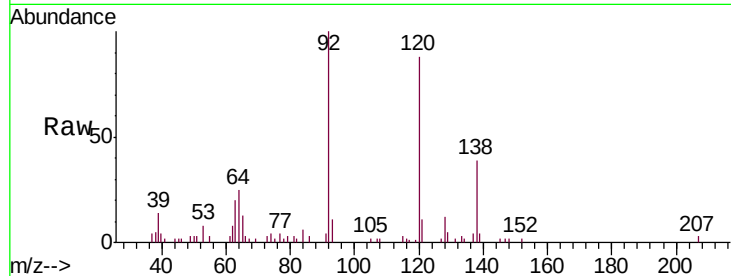




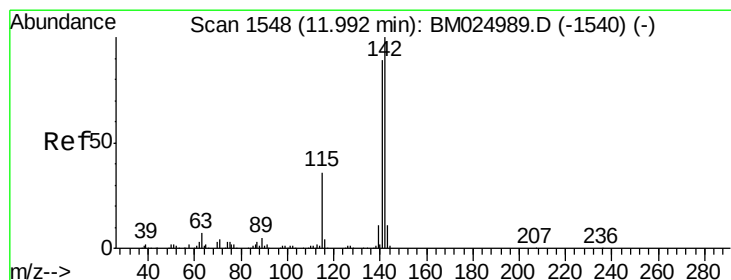
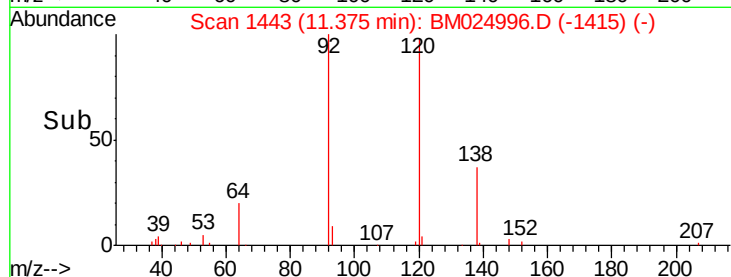
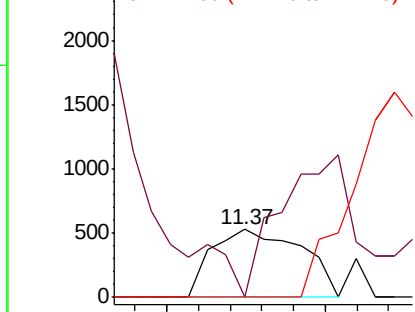
#33
 4-Chloro-3-methylphenol
 Concen: 13.807 ng/ul
 RT: 11.37 min Scan# 1443
 Delta R.T. -0.04 min
 Lab File: BM024996.D
 Acq: 21 Feb 2020 20:46

Instrument :
 BNA_M
 ClientSampleId :
 DBDJ7

Tgt Ion:107 Resp: 1040
 Ion Ratio Lower Upper
 107 100
 144 0.0 22.8 34.2#
 142 0.0 68.2 102.2#

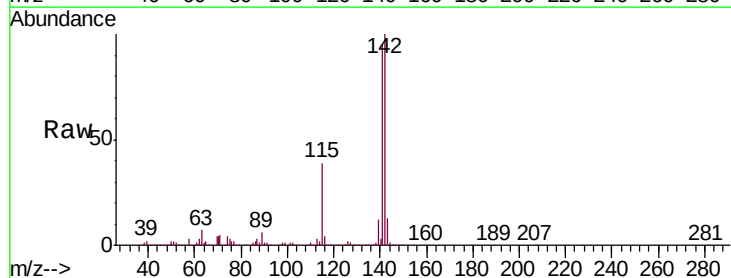


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

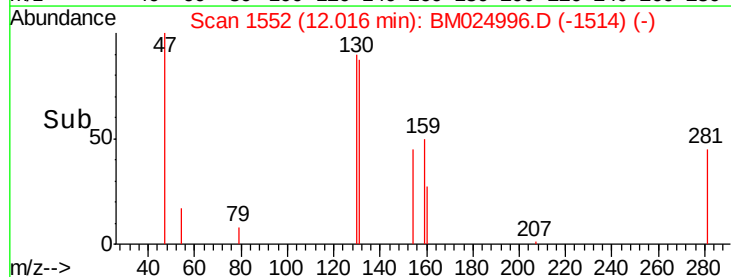
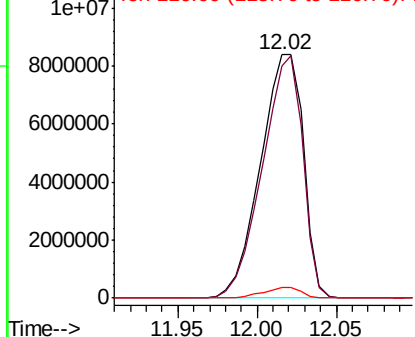


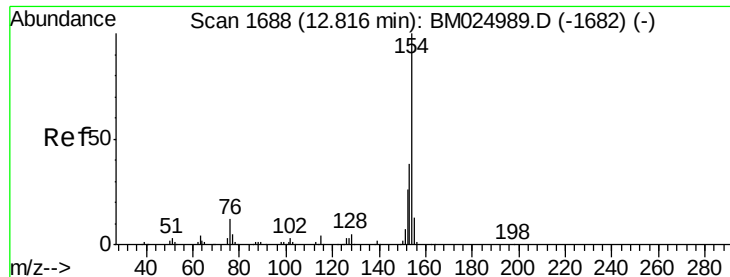
#35
 1-Methylnaphthalene
 Concen: 88250.057 ng/ul
 RT: 12.02 min Scan# 1552
 Delta R.T. 0.02 min
 Lab File: BM024996.D
 Acq: 21 Feb 2020 20:46

Tgt Ion:142 Resp:15797229
 Ion Ratio Lower Upper
 142 100
 141 95.3 74.1 111.1
 116 4.2 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

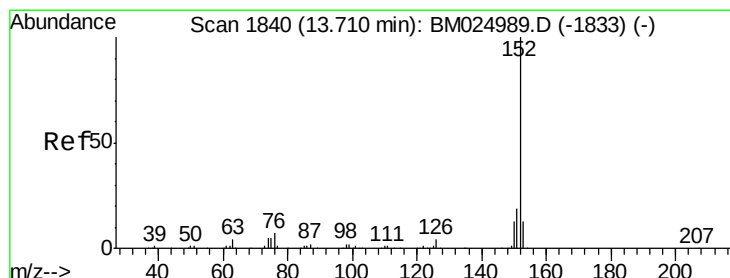
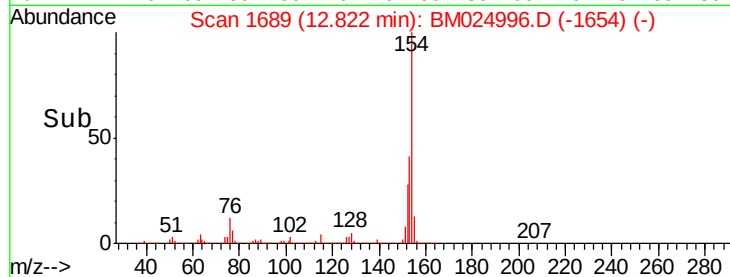
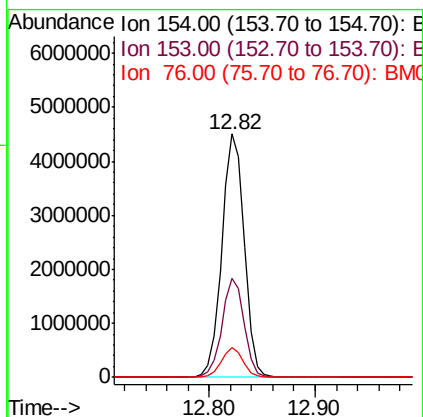
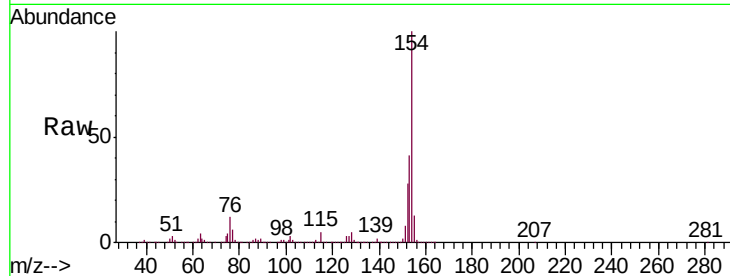




#41
 1,1'-Biphenyl
 Concen: 167.179 ng/ul
 RT: 12.82 min Scan# 1689
 Delta R.T. 0.01 min
 Lab File: BM024996.D
 Acq: 21 Feb 2020 20:46

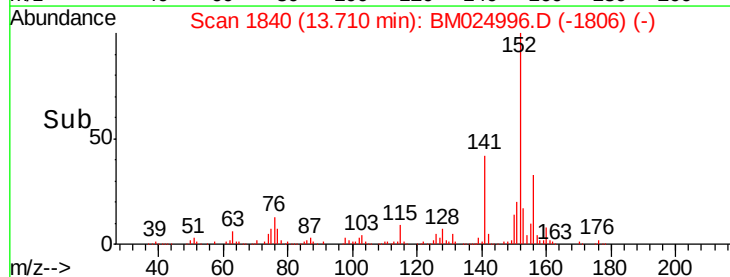
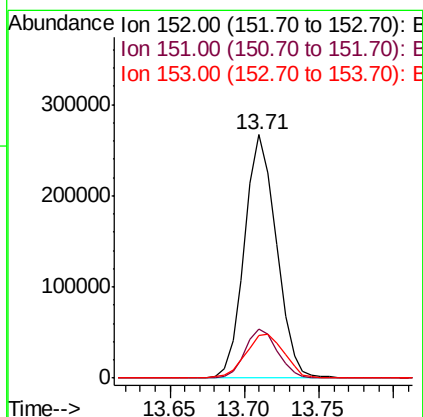
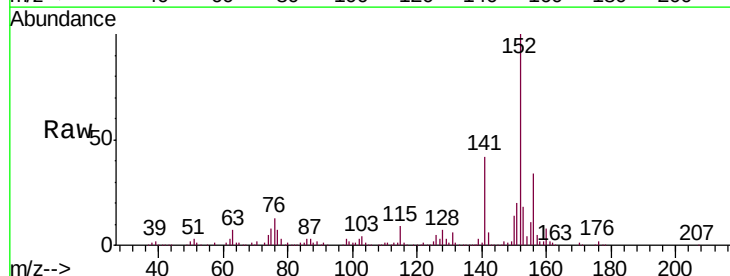
Instrument :
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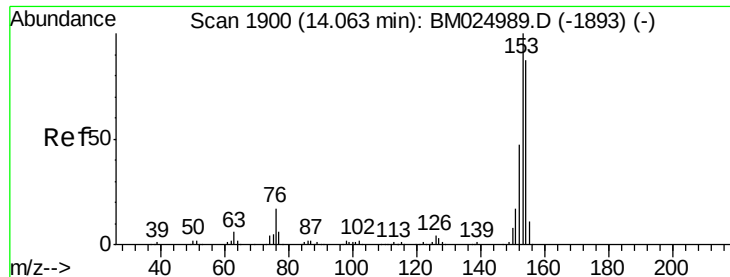
Tgt Ion:154 Resp: 6613556
 Ion Ratio Lower Upper
 154 100
 153 40.7 31.4 47.2
 76 12.4 7.5 11.3#



#48
 Acenaphthylene
 Concen: 8.096 ng/ul
 RT: 13.71 min Scan# 1840
 Delta R.T. 0.00 min
 Lab File: BM024996.D
 Acq: 21 Feb 2020 20:46

Tgt Ion:152 Resp: 396145
 Ion Ratio Lower Upper
 152 100
 151 20.1 15.1 22.7
 153 17.5 10.1 15.1#





#50

Acenaphthene

Concen: 530.765 ng/ul

RT: 14.07 min Scan# 1902

Delta R.T. 0.01 min

Lab File: BM024996.D

Acq: 21 Feb 2020 20:46

Instrument :

BNA_M

ClientSampleId :

DBDJ7

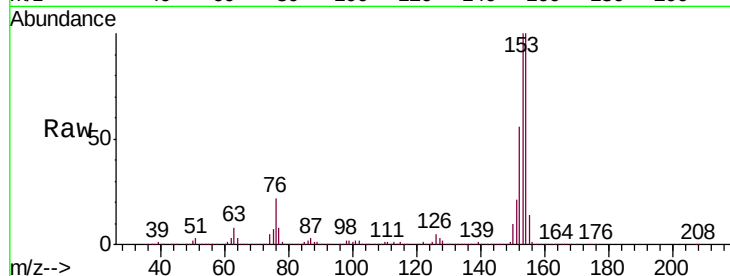
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Ion Ratio Lower Upper

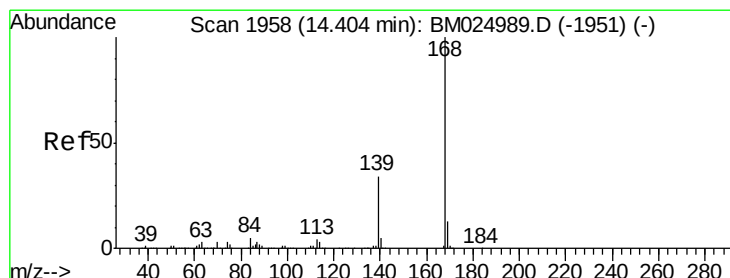
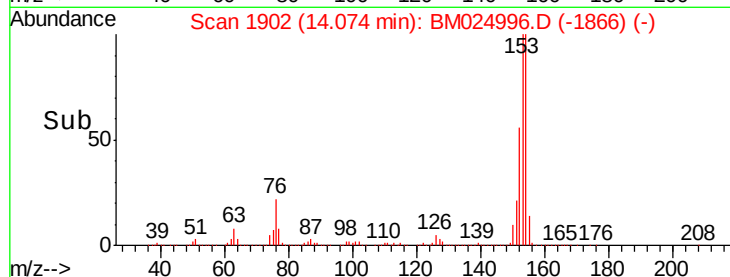
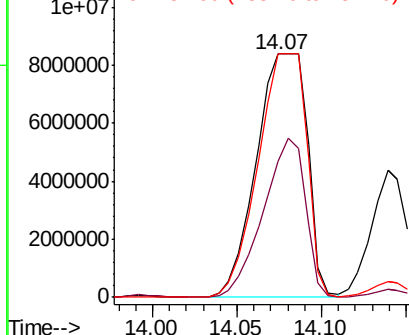
153 100

152 55.8 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: 319.944 ng/ul

RT: 14.41 min Scan# 1959

Delta R.T. 0.01 min

Lab File: BM024996.D

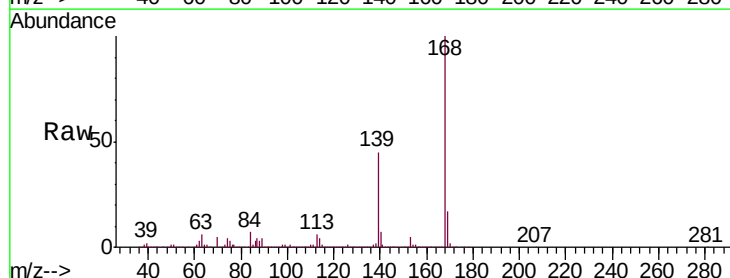
Acq: 21 Feb 2020 20:46

Tgt Ion:168 Resp:15759975

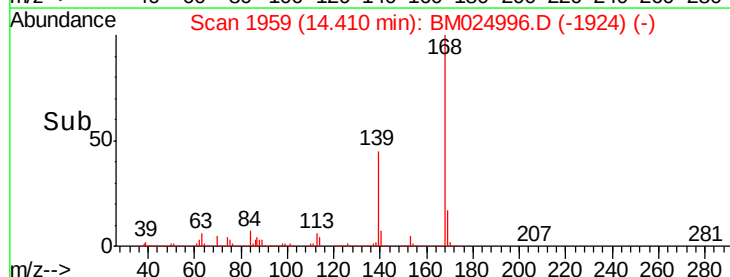
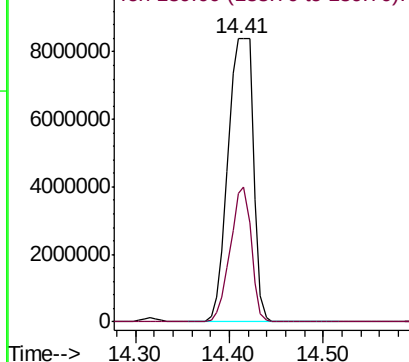
Ion Ratio Lower Upper

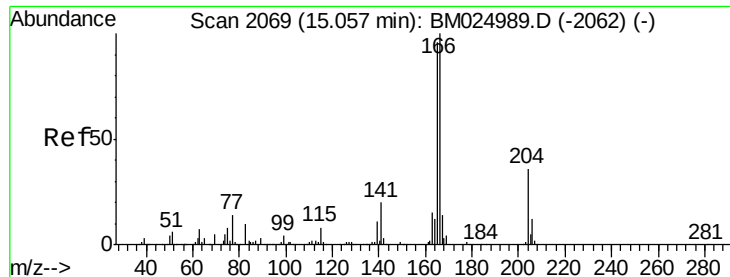
168 100

139 45.2 27.8 41.8#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E

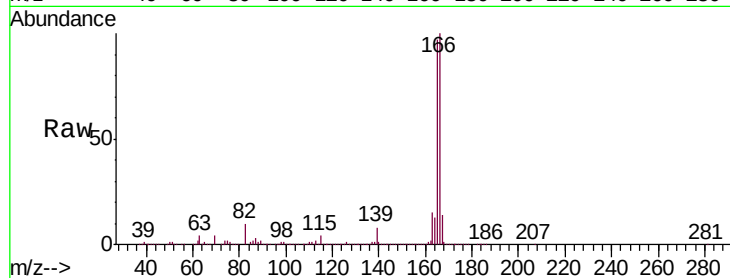




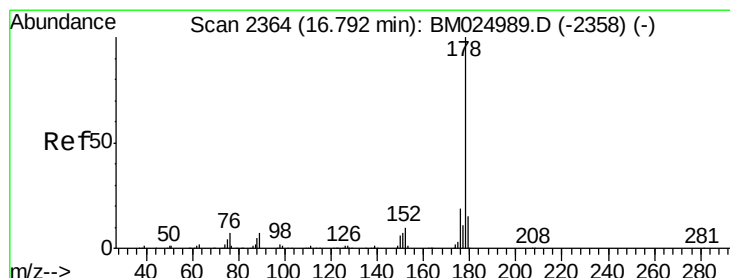
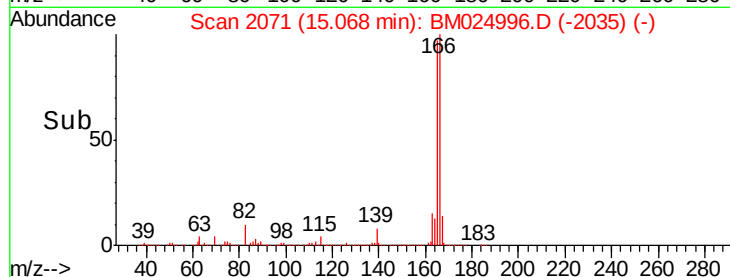
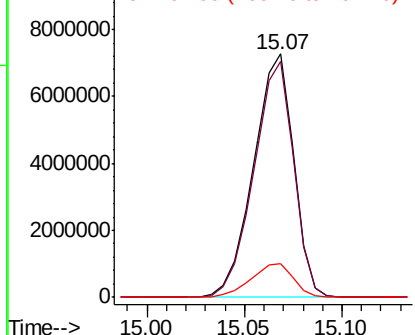
#59
Fluorene
Concen: 254.624 ng/ul
RT: 15.07 min Scan# 2071
Delta R.T. 0.01 min
Lab File: BM024996.D
Acq: 21 Feb 2020 20:46

Instrument :
BNA_M
ClientSampleId :
DBDJ7

Tgt Ion:166 Resp:10336867
Ion Ratio Lower Upper
166 100
165 96.8 75.8 113.8
167 13.8 10.6 16.0

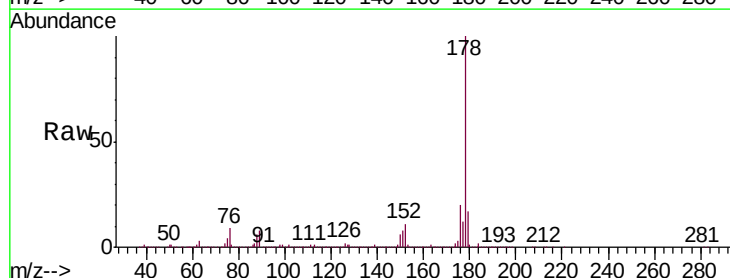


Abundance Ion 166.00 (165.70 to 166.70): E
1e+07 Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

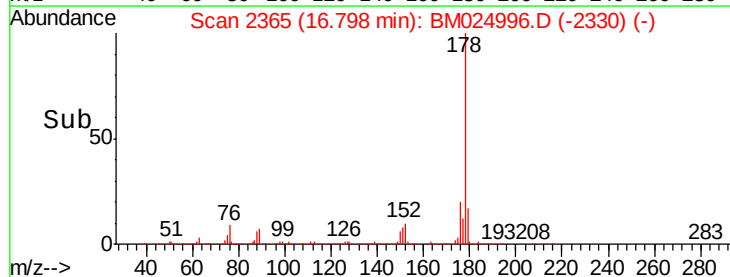
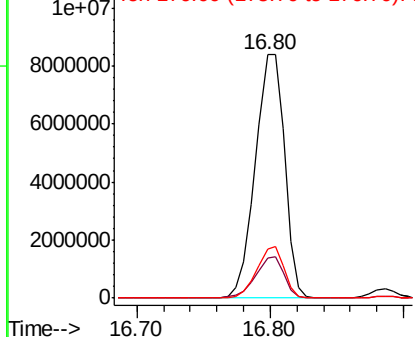


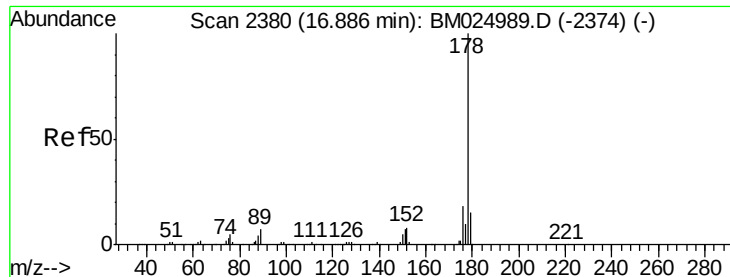
#70
Phenanthrene
Concen: 196.559 ng/ul
RT: 16.80 min Scan# 2365
Delta R.T. 0.01 min
Lab File: BM024996.D
Acq: 21 Feb 2020 20:46

Tgt Ion:178 Resp:12705813
Ion Ratio Lower Upper
178 100
179 16.5 12.2 18.2
176 19.9 14.5 21.7



Abundance Ion 178.00 (177.70 to 178.70): E
1e+07 Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 6.672 ng/ul

RT: 16.89 min Scan# 2380

Delta R.T. 0.00 min

Lab File: BM024996.D

Acq: 21 Feb 2020 20:46

Instrument :

BNA_M

ClientSampleId :

DBDJ7

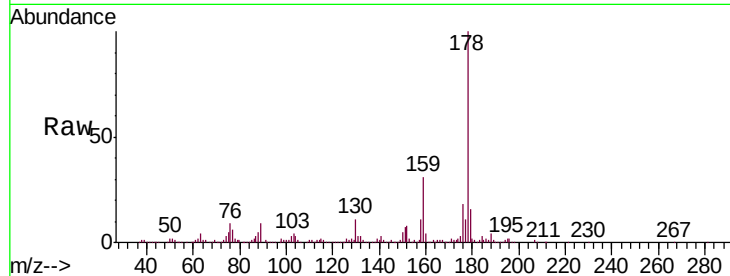
Tgt Ion:178 Resp: 437375

Ion Ratio Lower Upper

178 100

179 16.0 12.3 18.5

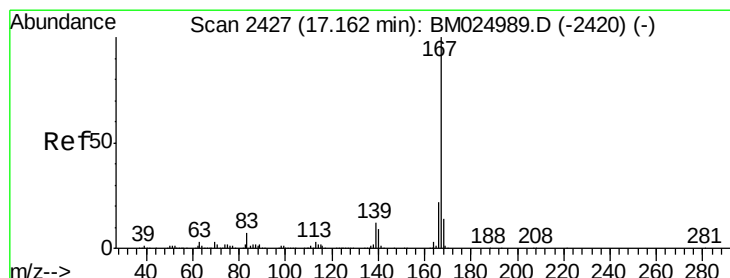
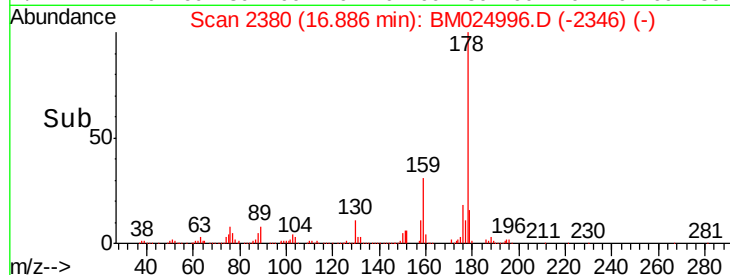
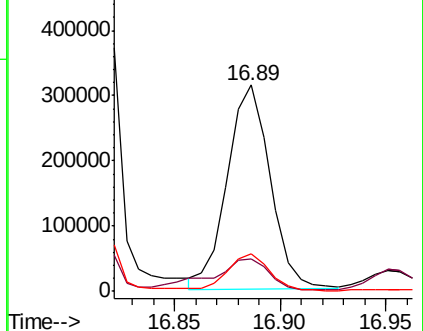
176 18.3 14.1 21.1



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: 14.772 ng/ul

RT: 17.27 min Scan# 2446

Delta R.T. 0.11 min

Lab File: BM024996.D

Acq: 21 Feb 2020 20:46

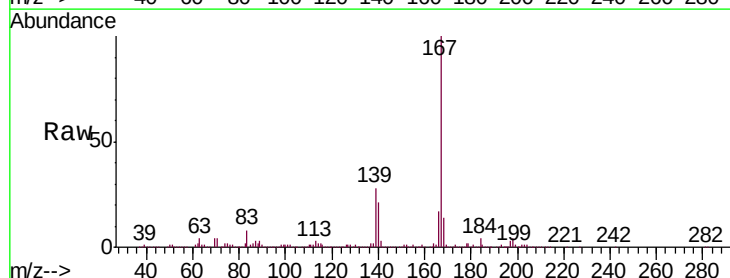
Tgt Ion:167 Resp: 806779

Ion Ratio Lower Upper

167 100

166 17.2 16.6 24.8

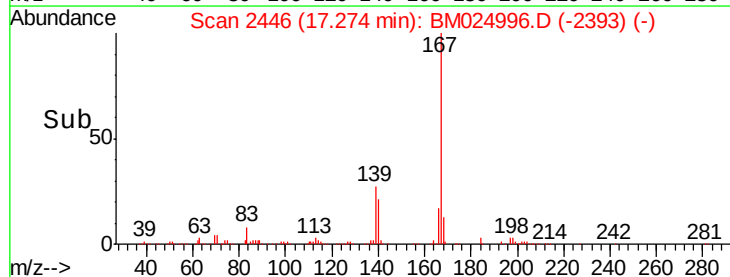
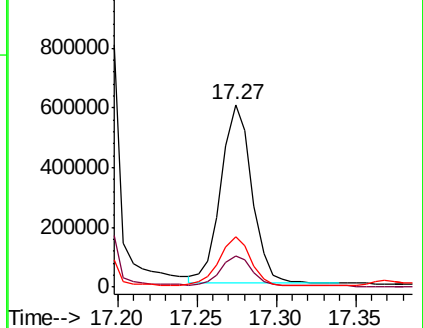
139 27.8 9.3 13.9#

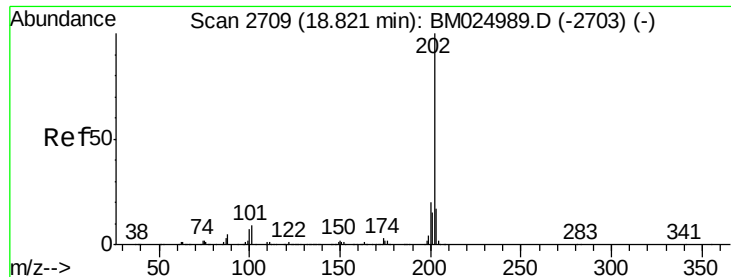


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

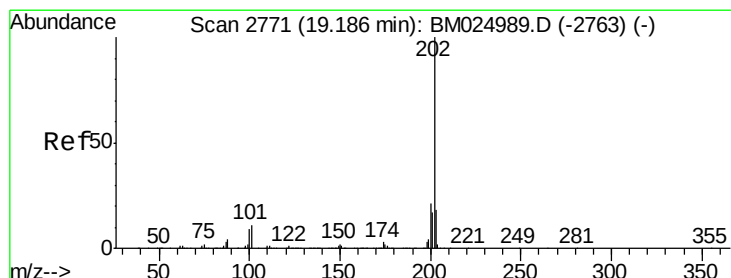
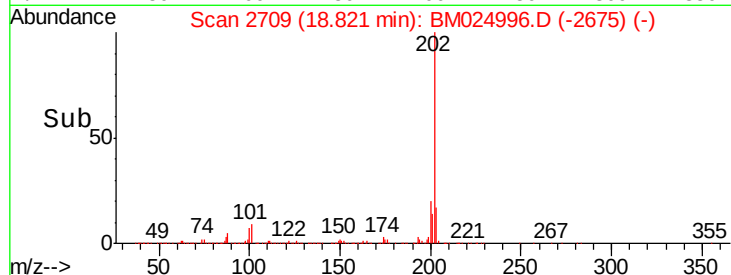
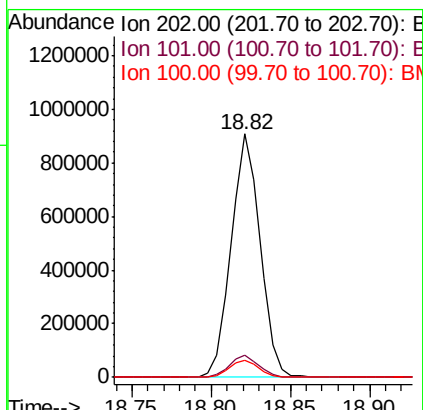
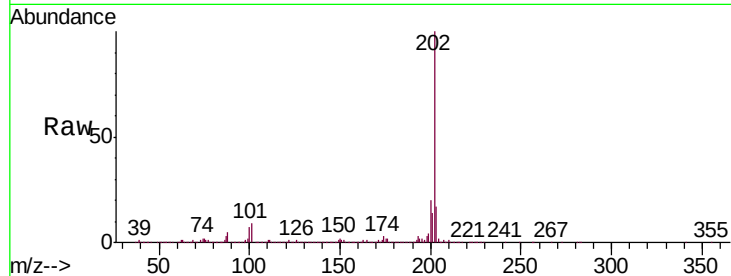




#77
Fluoranthene
 Concen: 14.451 ng/ul
 RT: 18.82 min Scan# 2709
 Delta R.T. 0.00 min
 Lab File: BM024996.D
 Acq: 21 Feb 2020 20:46

Instrument :
 BNA_M
 ClientSampleId :
 DBDJ7

Tgt Ion:202 Resp: 1146753
 Ion Ratio Lower Upper
 202 100
 101 9.1 6.1 9.1
 100 7.0 4.8 7.2



#80
Pyrene
 Concen: 8.361 ng/ul
 RT: 19.19 min Scan# 2771
 Delta R.T. 0.00 min
 Lab File: BM024996.D
 Acq: 21 Feb 2020 20:46

Tgt Ion:202 Resp: 702264
 Ion Ratio Lower Upper
 202 100
 101 10.1 7.0 10.4
 100 8.9 5.8 8.8#

