

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM013020\
 Data File : BM024664.D
 Acq On : 30 Jan 2020 18:33
 Operator : CG/JU
 Sample : PB126427BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jan 30 23:23:31 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM012320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 23 14:57:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	175603	20.00	ng	-0.02
21) Naphthalene-d8	10.19	136	644011	20.00	ng	-0.02
39) Acenaphthene-d10	14.08	164	438543	20.00	ng	-0.01
64) Phenanthrene-d10	16.83	188	1004437	20.00	ng	-0.01
76) Chrysene-d12	21.04	240	1246542	20.00	ng	-0.01
87) Perylene-d12	23.16	264	1490994	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.07	112	517119	56.00	ng	-0.01
7) Phenol-d6	6.63	99	371151	29.18	ng	-0.02
23) Nitrobenzene-d5	8.57	82	990607	75.43	ng	-0.02
42) 2,4,6-Tribromophenol	15.58	330	942790	132.16	ng	-0.01
45) 2-Fluorobiphenyl	12.69	172	2763697	85.68	ng	-0.02
79) Terphenyl-d14	19.49	244	5396968	80.83	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.08	88	226	0.062	ng	# 1
3) Pyridine	3.46	79	147	0.014	ng	# 1
4) n-Nitrosodimethylamine	3.36	42	791	0.168	ng	# 1
9) Benzaldehyde	6.60	77	738	0.098	ng	# 1
10) Phenol	6.65	94	13153	1.037	ng	94
11) bis(2-Chloroethyl)ether	6.86	93	110	0.011	ng	# 24
18) Hexachloroethane	8.53	117	126	0.025	ng	# 1
22) Acetophenone	8.24	105	10748	0.647	ng	# 90
24) Nitrobenzene	8.56	77	3887	0.309	ng	# 43
25) Isophorone	9.13	82	298	0.013	ng	# 64
31) Naphthalene	10.24	128	2747	0.084	ng	# 69
37) 2-Methylnaphthalene	11.86	142	1942	0.077	ng	90
38) 1-Methylnaphthalene	12.09	142	515	0.022	ng	# 88
46) 1,1'-Biphenyl	12.90	154	6526	0.197	ng	95
49) Acenaphthylene	13.79	152	420	0.010	ng	# 61
50) Dimethylphthalate	13.55	163	104808	2.956	ng	98
52) Acenaphthene	14.14	154	113	0.005	ng	# 5
55) Dibenzofuran	14.48	168	272	0.007	ng	# 45
58) Fluorene	15.14	166	293	0.009	ng	# 82
60) Diethylphthalate	14.93	149	750	0.021	ng	# 58
63) Azobenzene	15.46	77	291	0.009	ng	# 49
71) Phenanthrene	16.87	178	1865	0.034	ng	# 80
72) Anthracene	16.97	178	895	0.017	ng	# 61
73) Carbazole	17.25	167	920	0.019	ng	# 60
74) Di-n-butylphthalate	17.83	149	2895	0.047	ng	# 74
75) Fluoranthene	18.90	202	2627	0.039	ng	82
77) Benzidine	19.10	184	2784	0.096	ng	# 77
78) Pyrene	19.27	202	3437	0.042	ng	# 87
80) Butylbenzylphthalate	20.19	149	371	0.011	ng	# 78
81) Benzo(a)anthracene	21.08	228	2913	0.034	ng	93
82) 3,3'-Dichlorobenzidine	20.97	252	1188	0.038	ng	# 77
83) Chrysene	21.08	228	4397	0.053	ng	96
84) Bis(2-ethylhexyl)phthalate	21.00	149	7039	0.138	ng	# 96
85) Di-n-octyl phthalate	21.86	149	1342	0.016	ng	# 67

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 23 14:57:07 2020
Response via : Initial Calibration

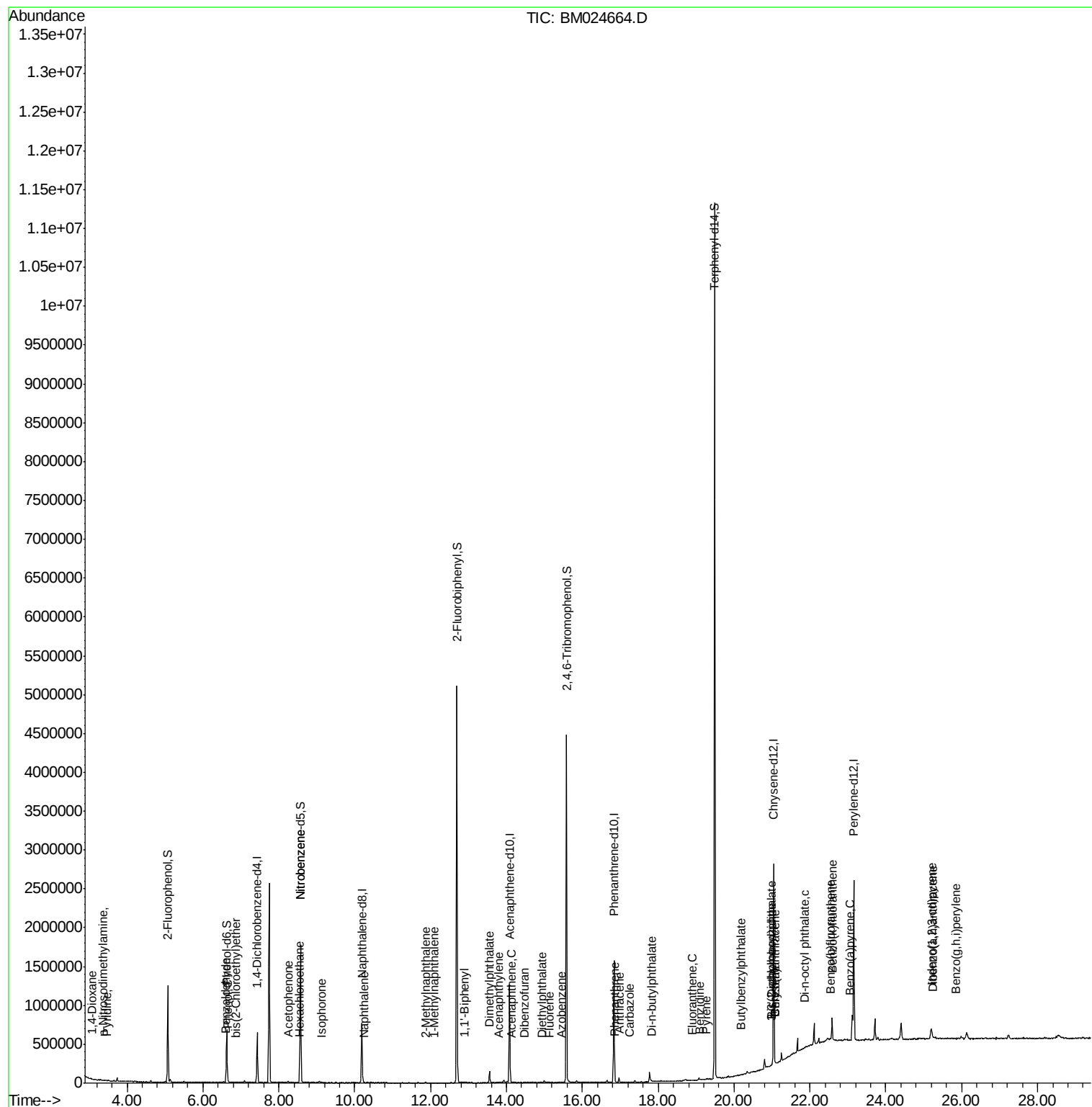
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) Indeno(1,2,3-cd)pyrene	25.22	276	3720	0.041	ng	# 92
88) Benzo(b)fluoranthene	22.54	252	3650	0.038	ng	# 13
89) Benzo(k)fluoranthene	22.59	252	3082	0.033	ng	# 1
90) Benzo(a)pyrene	23.06	252	1528	0.017	ng	# 1
91) Dibenzo(a,h)anthracene	25.24	278	665	0.008	ng	# 30
92) Benzo(a,h,i)perylene	25.84	276	2563	0.034	ng	# 57

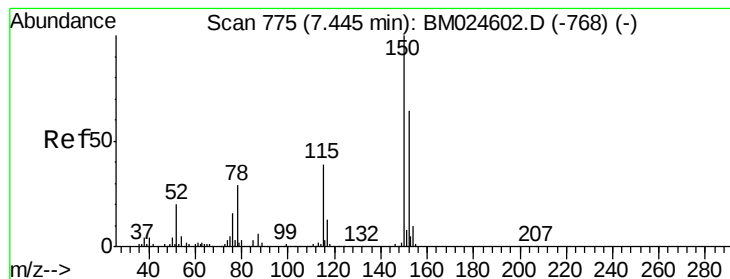
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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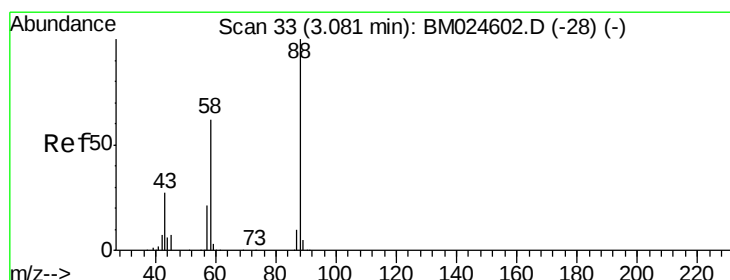
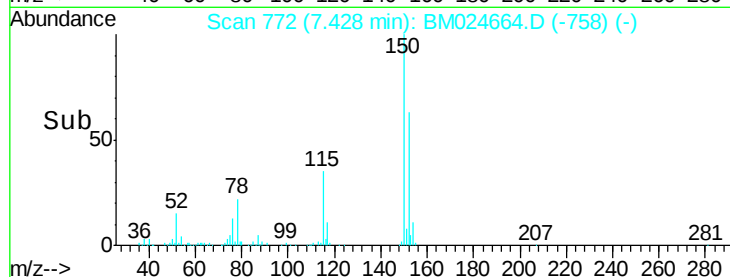
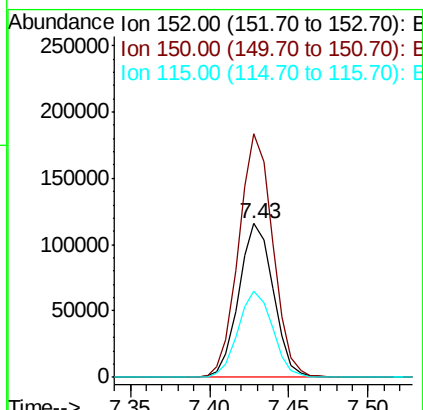
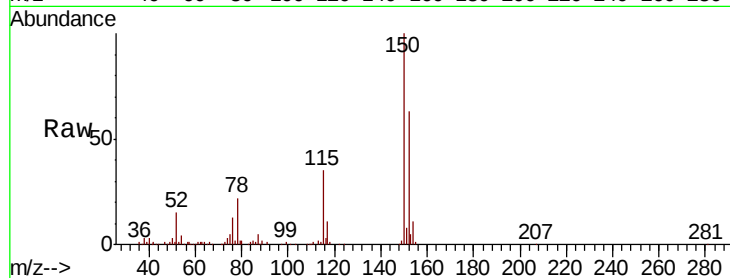


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.43 min Scan# 772
Delta R.T. -0.02 min
Lab File: BM024664.D
Acq: 30 Jan 2020 18:33

Instrument :
BNA_M
ClientSampleId :

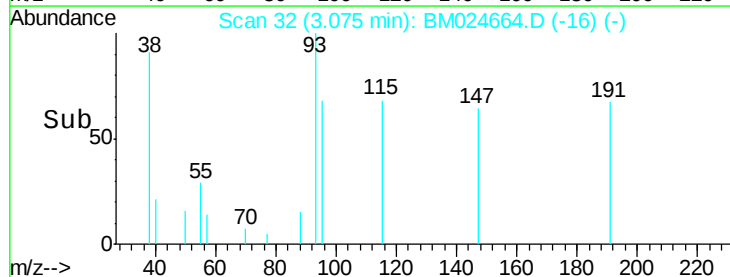
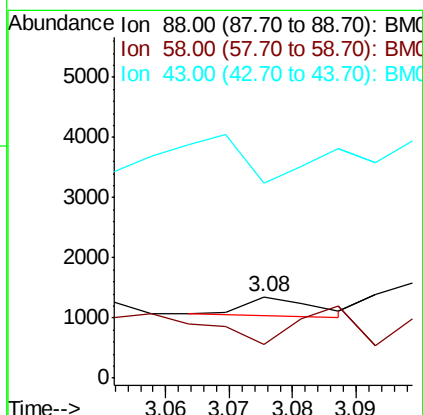
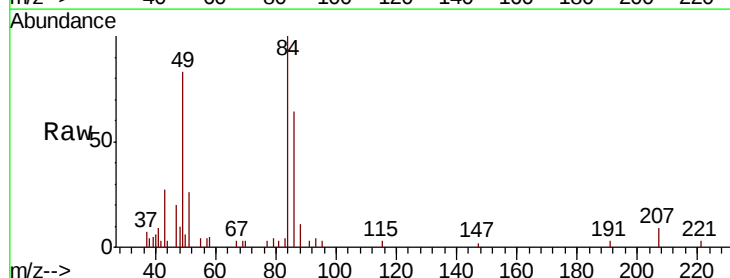
Tot Ion:152 Resp: 175603
Ion Ratio Lower Upper
152 100
150 158.6 124.2 186.4
115 55.9 48.6 72.8

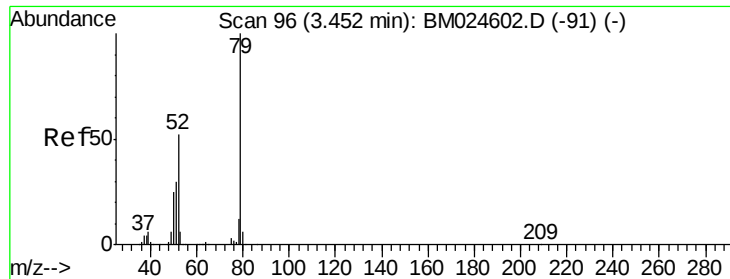


#2

1,4-Dioxane
Concen: 0.062 ng
RT: 3.08 min Scan# 32
Delta R.T. -0.01 min
Lab File: BM024664.D
Acq: 30 Jan 2020 18:33

Tgt Ion: 88 Resp: 226
Ion Ratio Lower Upper
88 100
58 175.7 50.0 75.0#
43 301.8 21.6 32.4#





#3

Pvridine

Concen: 0.014 ng

RT: 3.46 min Scan# 97

Delta R.T. 0.01 min

Lab File: BM024664.D

Acq: 30 Jan 2020 18:33

Instrument :

BNA_M

ClientSampleId :

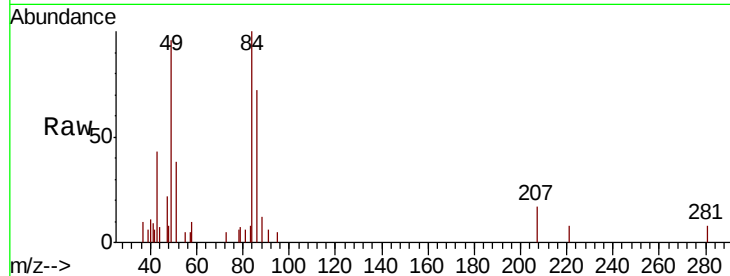
Tot Ion: 79 Resp: 147

Ion Ratio Lower Upper

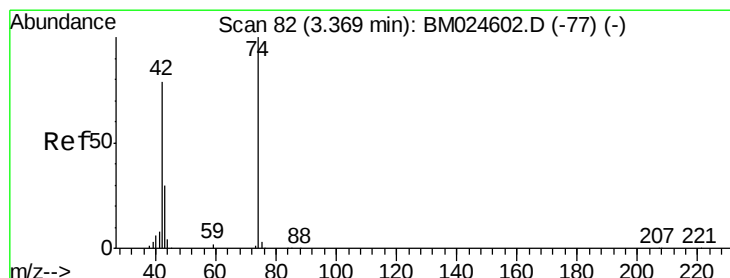
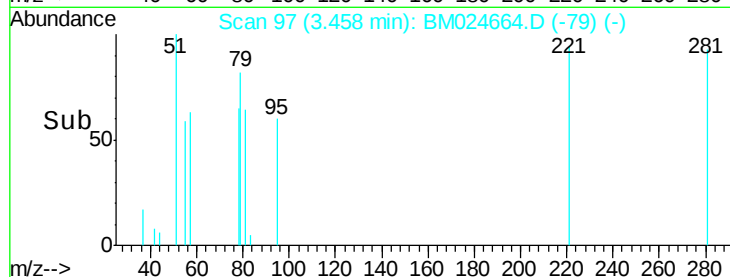
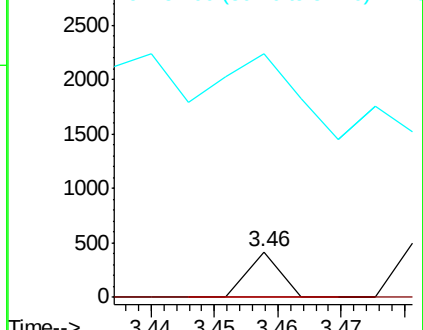
79 100

52 0.0 41.4 62.2#

51 538.2 23.8 35.8#



Abundance Ion 79.00 (78.70 to 79.70): BMO
Ion 52.00 (51.70 to 52.70): BMO
Ion 51.00 (50.70 to 51.70): BMO



#4

n-Nitrosodimethylamine

Concen: 0.168 ng

RT: 3.36 min Scan# 81

Delta R.T. -0.01 min

Lab File: BM024664.D

Acq: 30 Jan 2020 18:33

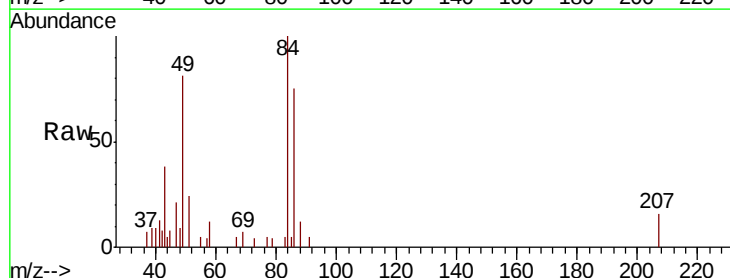
Tgt Ion: 42 Resp: 791

Ion Ratio Lower Upper

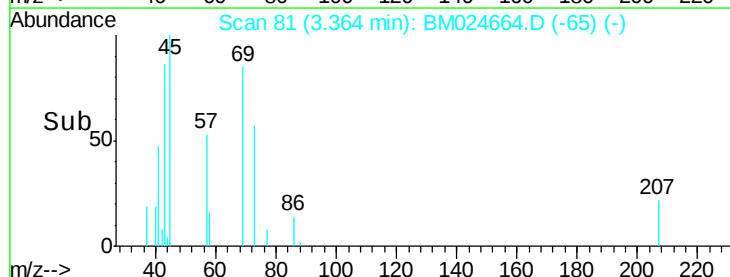
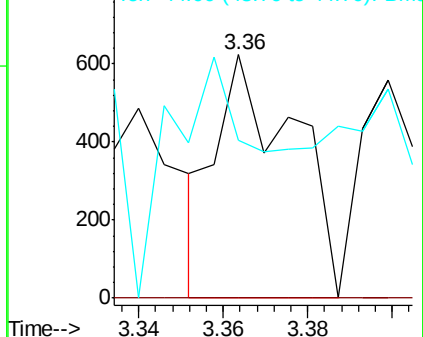
42 100

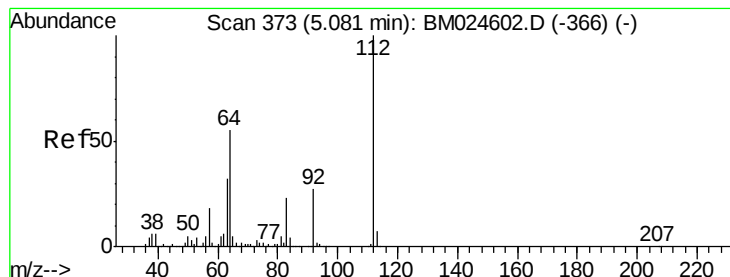
74 0.0 101.4 152.2#

44 64.9 4.6 6.8#



Abundance Ion 42.00 (41.70 to 42.70): BMO
Ion 74.00 (73.70 to 74.70): BMO
Ion 44.00 (43.70 to 44.70): BMO





#5

2-Fluorophenol

Concen: 56.003 ng

RT: 5.07 min Scan# 371

Delta R.T. -0.01 min

Lab File: BM024664.D

Acq: 30 Jan 2020 18:33

Instrument :

BNA_M

ClientSampleId :

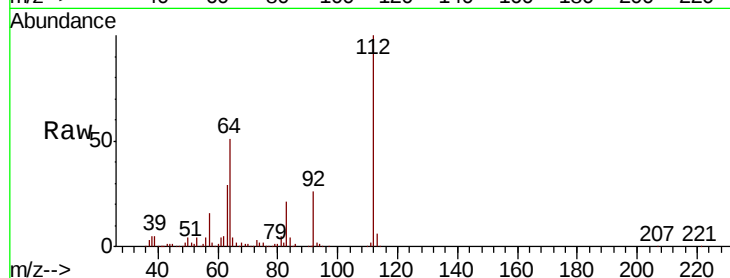
Tot Ion:112 Resp: 517119

Ion Ratio Lower Upper

112 100

64 51.4 44.2 66.4

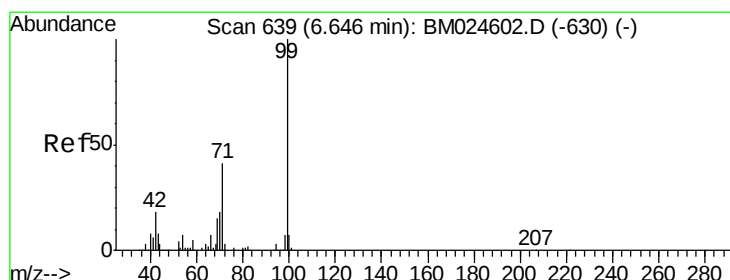
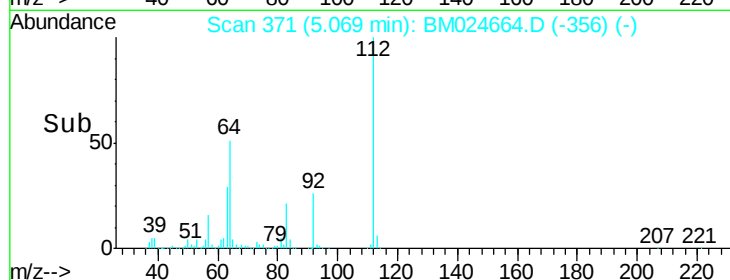
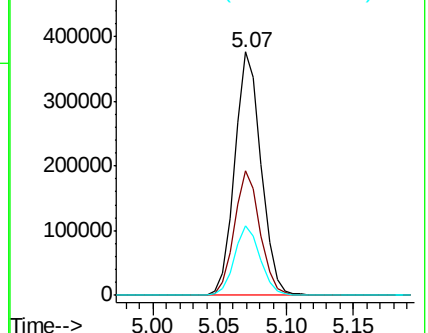
63 28.7 25.9 38.9



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BM

Ion 63.00 (62.70 to 63.70): BM



#7

Phenol-d6

Concen: 29.178 ng

RT: 6.63 min Scan# 636

Delta R.T. -0.02 min

Lab File: BM024664.D

Acq: 30 Jan 2020 18:33

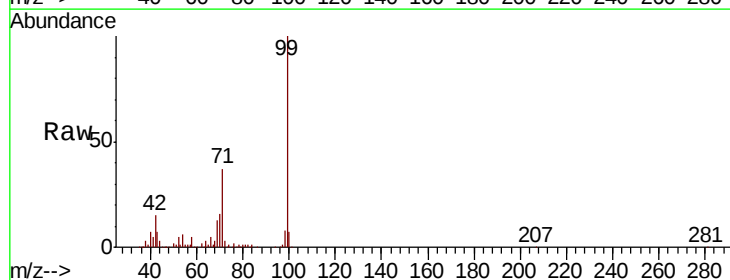
Tgt Ion: 99 Resp: 371151

Ion Ratio Lower Upper

99 100

42 15.3 14.1 21.1

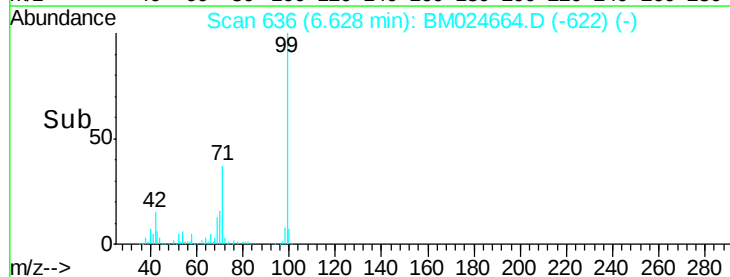
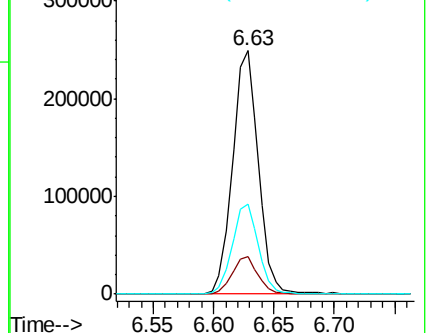
71 37.2 33.0 49.6

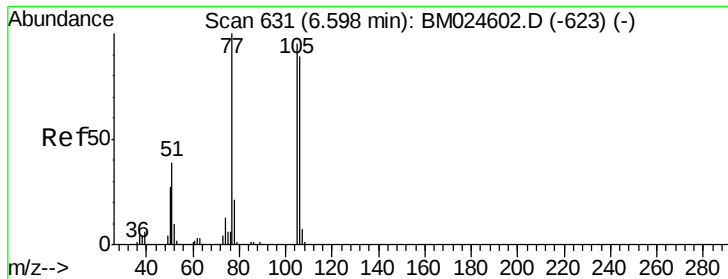


Abundance Ion 99.00 (98.70 to 99.70): BM

Ion 42.00 (41.70 to 42.70): BM

Ion 71.00 (70.70 to 71.70): BM





#9

Benzaldehyde

Concen: 0.098 ng

RT: 6.60 min Scan# 631

Delta R.T. 0.00 min

Lab File: BM024664.D

Acq: 30 Jan 2020 18:33

Instrument :

BNA_M

ClientSampled :

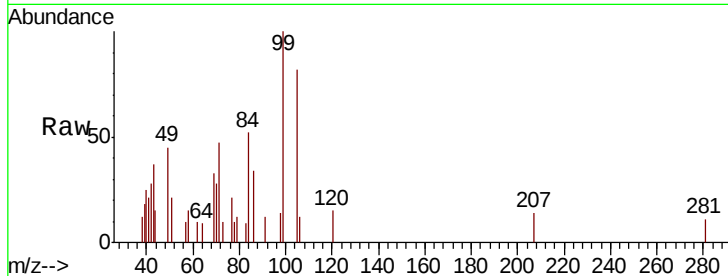
Tot Ion: 77 Resp: 738

Ion Ratio Lower Upper

77 100

105 393.5 75.2 115.2#

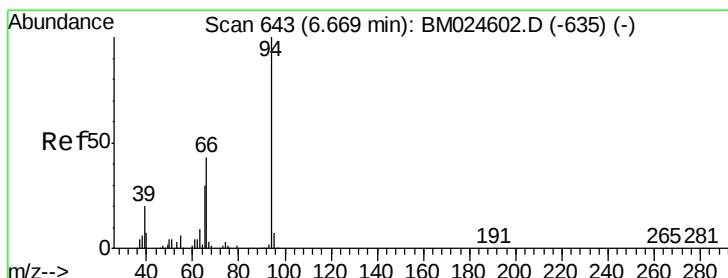
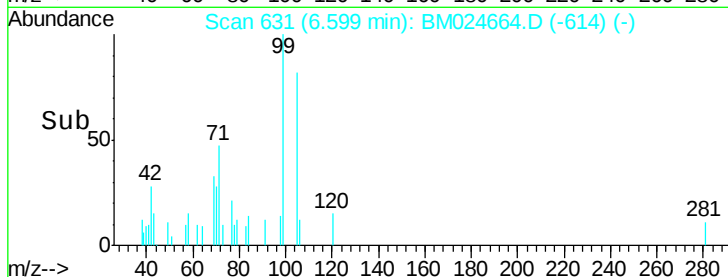
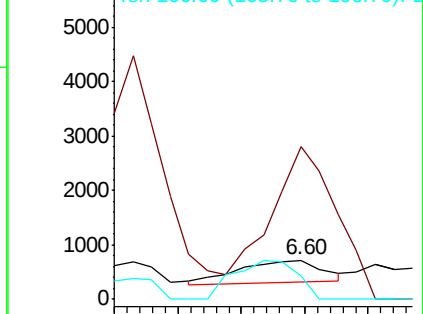
106 59.6 68.6 108.6#



Abundance Ion 77.00 (76.70 to 77.70): BM024664.D (-614) (-)

Ion 105.00 (104.70 to 105.70): BM024664.D (-614) (-)

Ion 106.00 (105.70 to 106.70): BM024664.D (-614) (-)



#10

Phenol

Concen: 1.037 ng

RT: 6.65 min Scan# 640

Delta R.T. -0.02 min

Lab File: BM024664.D

Acq: 30 Jan 2020 18:33

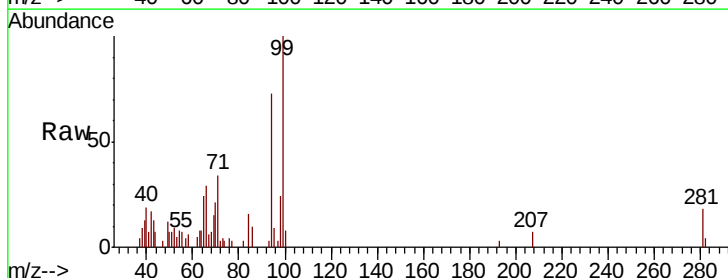
Tgt Ion: 94 Resp: 13153

Ion Ratio Lower Upper

94 100

65 33.4 10.3 50.3

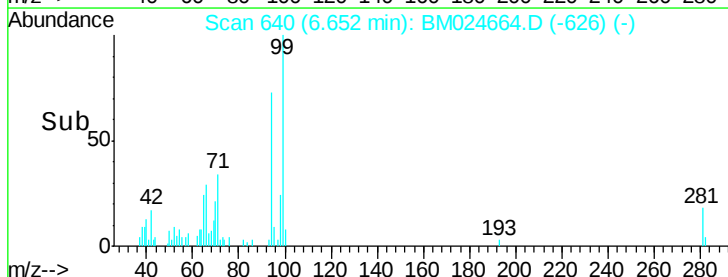
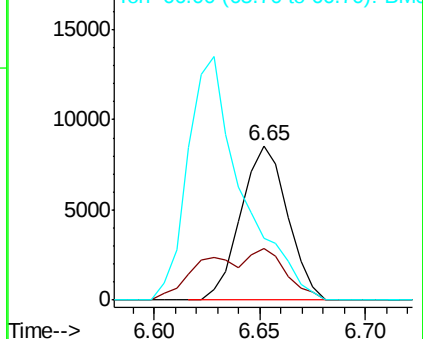
66 40.3 24.8 64.8

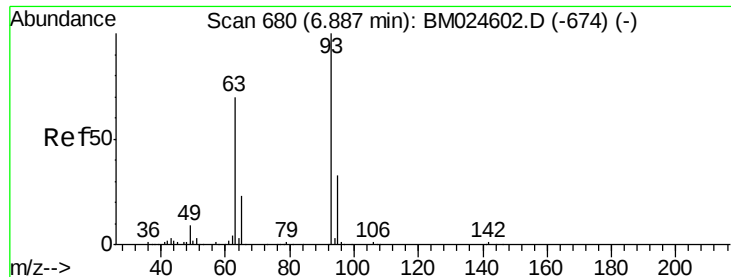


Abundance Ion 94.00 (93.70 to 94.70): BM024664.D (-626) (-)

Ion 65.00 (64.70 to 65.70): BM024664.D (-626) (-)

Ion 66.00 (65.70 to 66.70): BM024664.D (-626) (-)

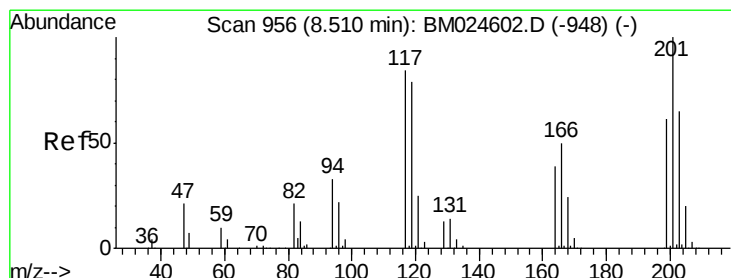
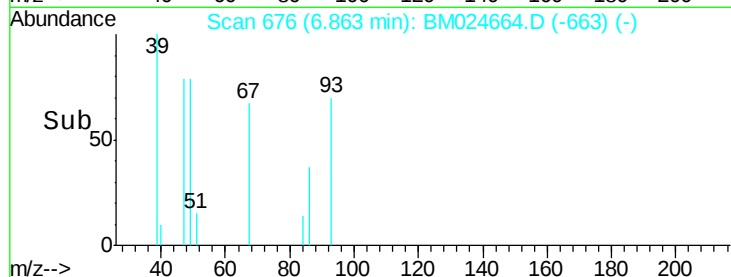
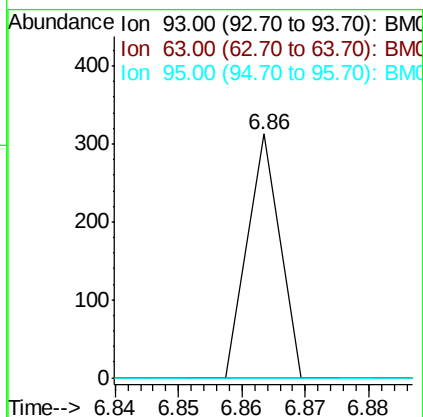
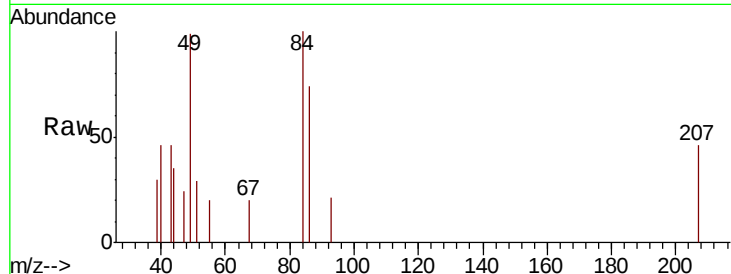




#11
bis(2-Chloroethyl)ether
Concen: 0.011 ng
RT: 6.86 min Scan# 676
Delta R.T. -0.02 min
Lab File: BM024664.D
Acq: 30 Jan 2020 18:33

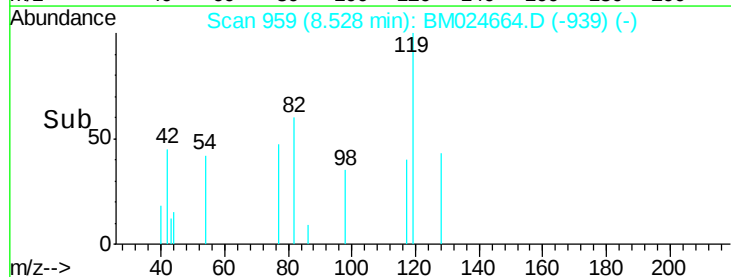
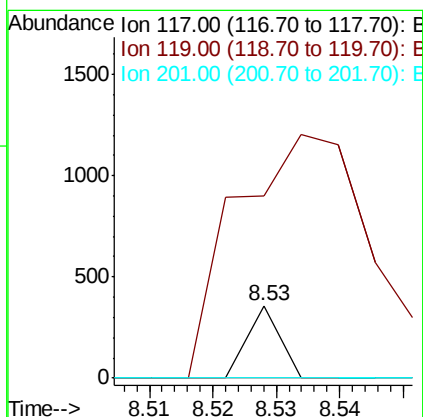
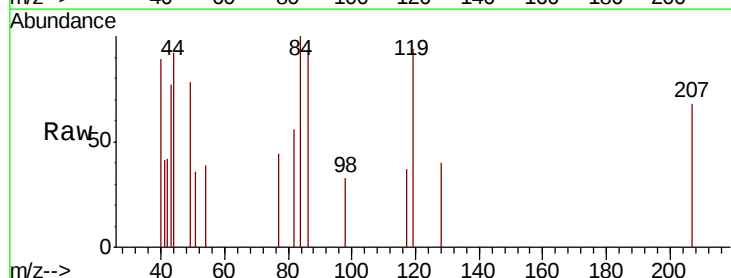
Instrument :
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ClientSampleId :

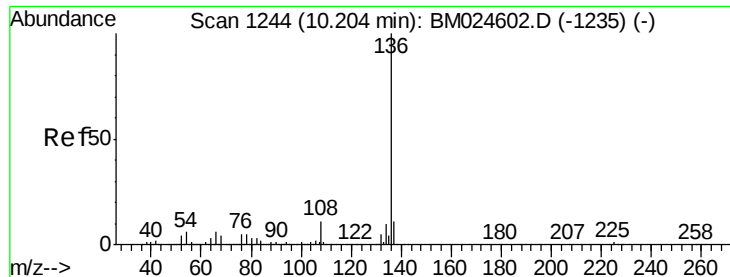
Tot Ion: 93 Resp: 110
Ion Ratio Lower Upper
93 100
63 0.0 49.6 89.6#
95 0.0 12.6 52.6#



#18
Hexachloroethane
Concen: 0.025 ng
RT: 8.53 min Scan# 959
Delta R.T. 0.02 min
Lab File: BM024664.D
Acq: 30 Jan 2020 18:33

Tgt Ion: 117 Resp: 126
Ion Ratio Lower Upper
117 100
119 252.9 75.4 113.2#
201 0.0 95.8 143.6#

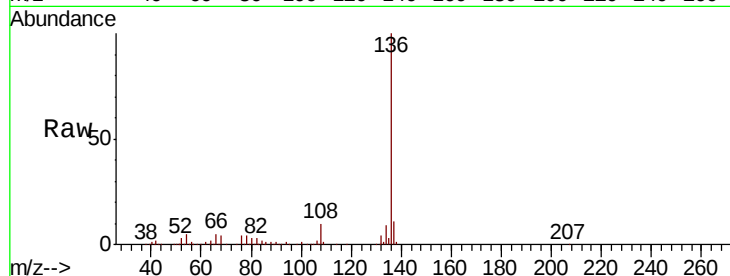




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.19 min Scan# 1241
Delta R.T. -0.02 min
Lab File: BM024664.D
Acq: 30 Jan 2020 18:33

Instrument :
BNA_M
ClientSampleId :

Tot Ion:136	Resp: 644011
Ion Ratio	Lower Upper
136 100	
137 10.7	8.6 13.0
54 4.5	4.5 6.7
68 4.0	3.4 5.0



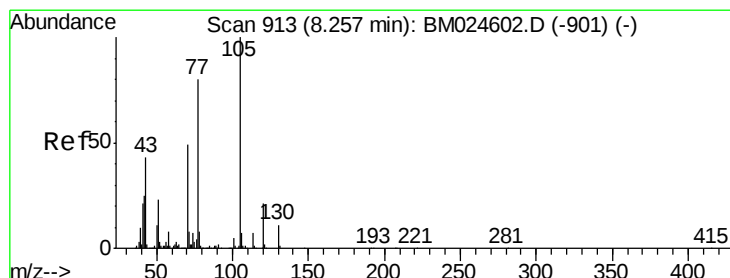
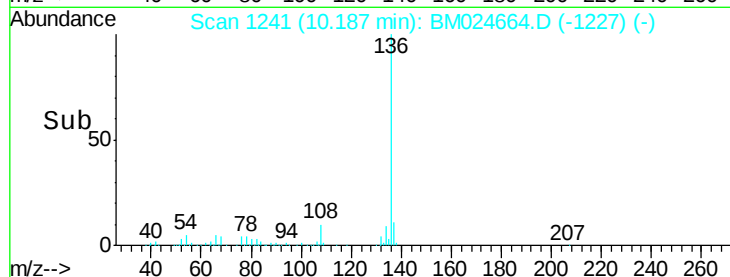
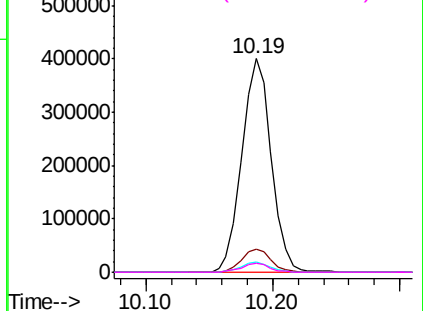
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

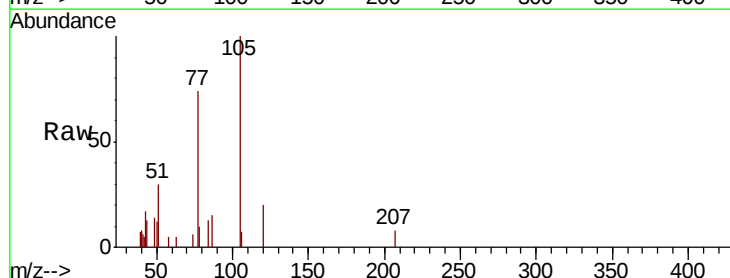
Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#22
Acetophenone
Concen: 0.647 ng
RT: 8.24 min Scan# 910
Delta R.T. -0.02 min
Lab File: BM024664.D
Acq: 30 Jan 2020 18:33

Tgt	Ion:105	Resp:	10748
Ion	Ratio	Lower	Upper
105	100		
71	0.0	6.7	10.1#
51	30.1	18.5	27.7#
120	20.4	16.6	25.0



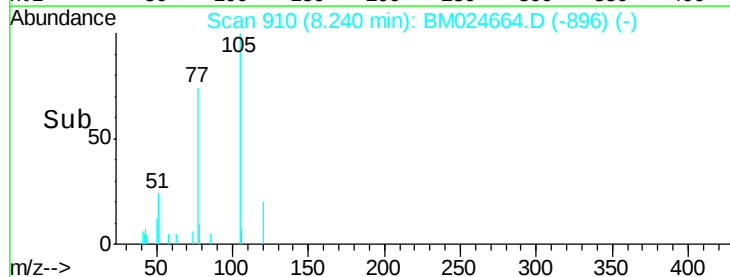
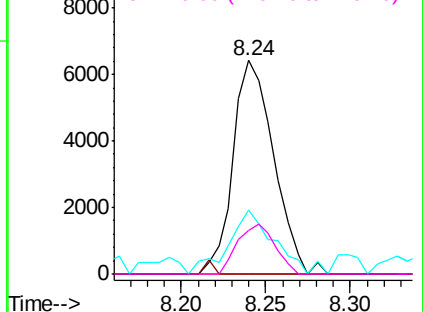
Abundance

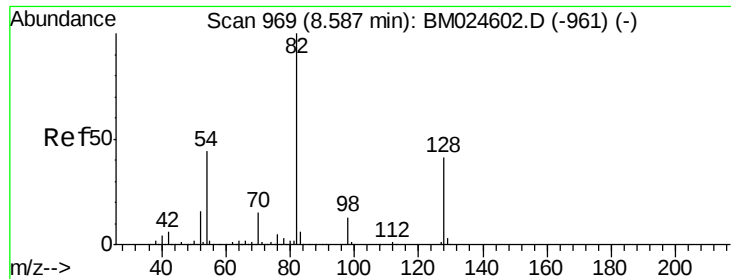
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BM

Ion 51.00 (50.70 to 51.70): BM

Ion 120.00 (119.70 to 120.70): E

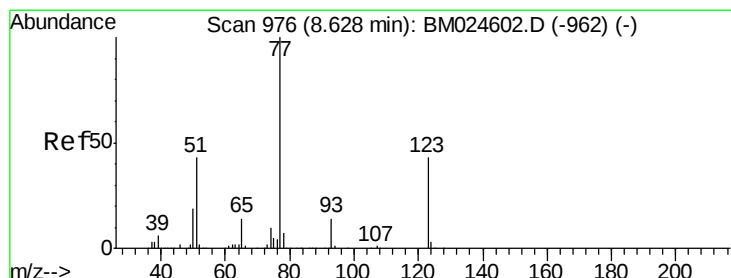
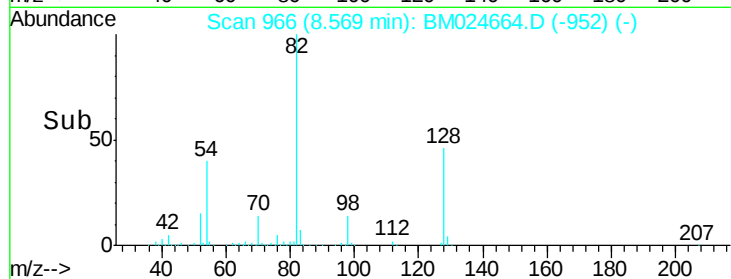
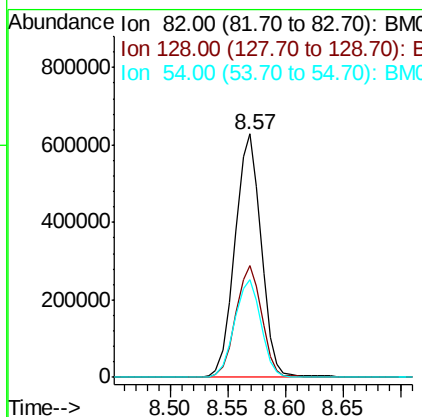
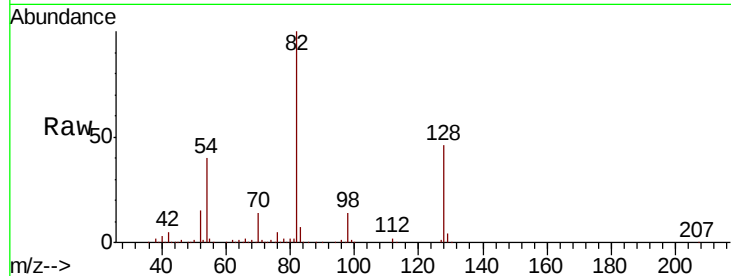




#23
 Nitrobenzene-d5
 Concen: 75.435 ng
 RT: 8.57 min Scan# 966
 Delta R.T. -0.02 min
 Lab File: BM024664.D
 Acq: 30 Jan 2020 18:33

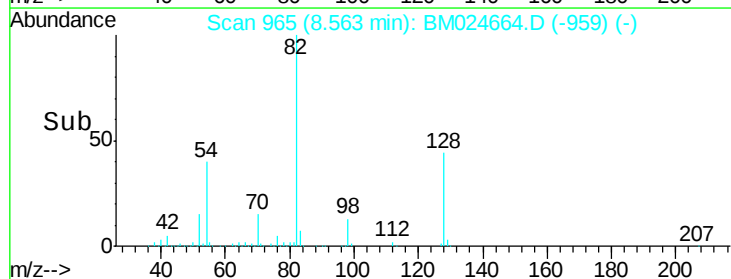
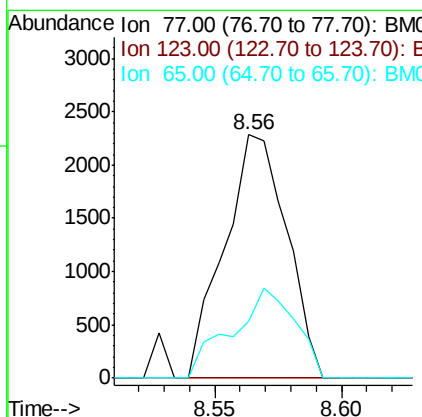
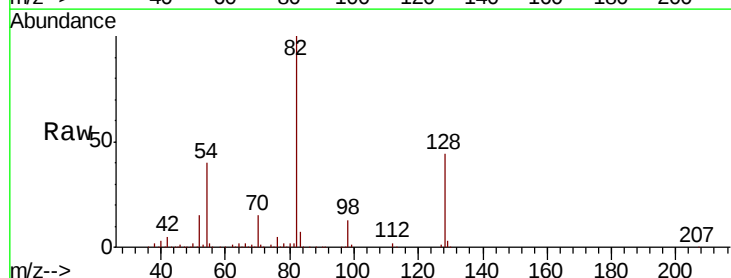
Instrument :
 BNA_M
 ClientSampled :

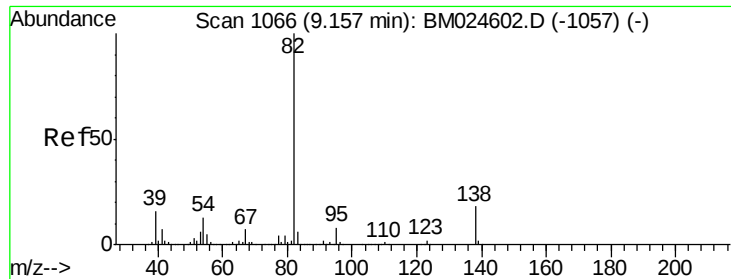
Tot Ion	Ratio	Lower	Upper
82	100		
128	45.7	32.6	48.8
54	40.1	34.8	52.2



#24
 Nitrobenzene
 Concen: 0.309 ng
 RT: 8.56 min Scan# 965
 Delta R.T. -0.06 min
 Lab File: BM024664.D
 Acq: 30 Jan 2020 18:33

Tgt Ion	Ratio	Lower	Upper
77	100		
123	0.0	34.6	52.0#
65	23.1	11.0	16.4#





#25

Isophorone

Concen: 0.013 ng

RT: 9.13 min Scan# 1061

Delta R.T. -0.03 min

Lab File: BM024664.D

Acq: 30 Jan 2020 18:33

Instrument :

BNA_M

ClientSampleId :

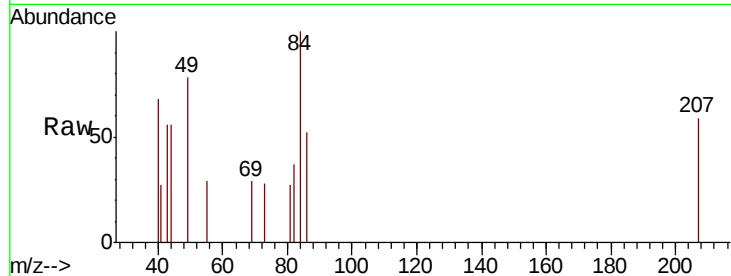
Tot Ion: 82 Resp: 298

Ion Ratio Lower Upper

82 100

95 0.0 6.7 10.1#

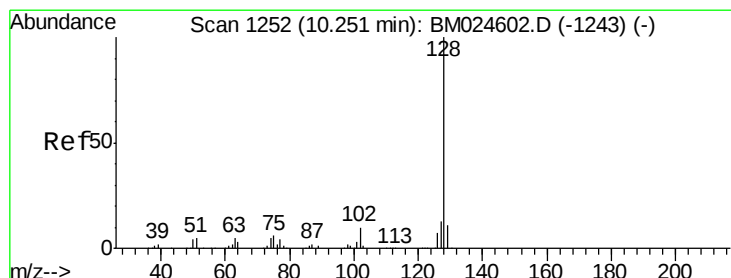
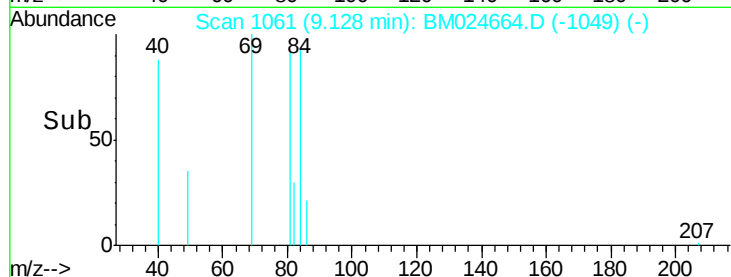
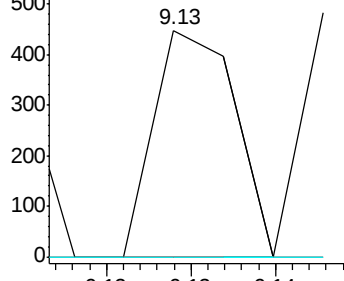
138 0.0 14.7 22.1#



Abundance Ion 82.00 (81.70 to 82.70): BM024664.D (-1049) (-)

Ion 95.00 (94.70 to 95.70): BM024664.D (-1049) (-)

Ion 138.00 (137.70 to 138.70): BM024664.D (-1049) (-)



#31

Naphthalene

Concen: 0.084 ng

RT: 10.24 min Scan# 1250

Delta R.T. -0.01 min

Lab File: BM024664.D

Acq: 30 Jan 2020 18:33

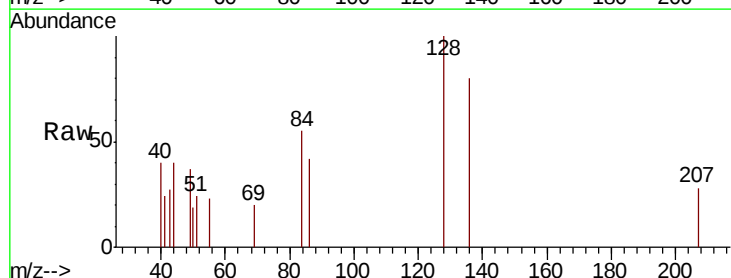
Tgt Ion: 128 Resp: 2747

Ion Ratio Lower Upper

128 100

129 0.0 8.8 13.2#

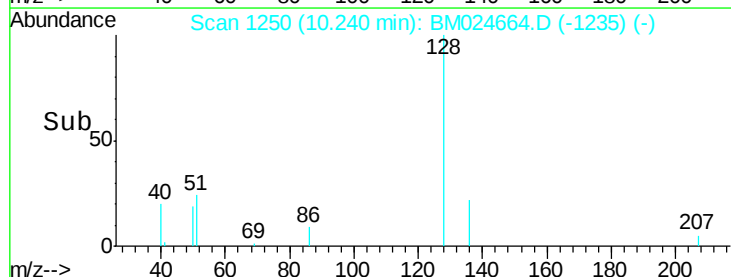
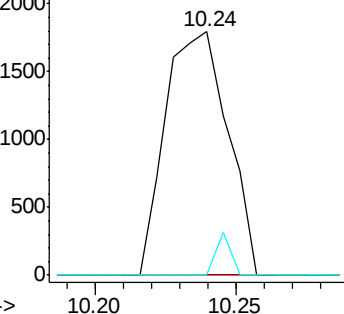
127 0.0 10.6 15.8#

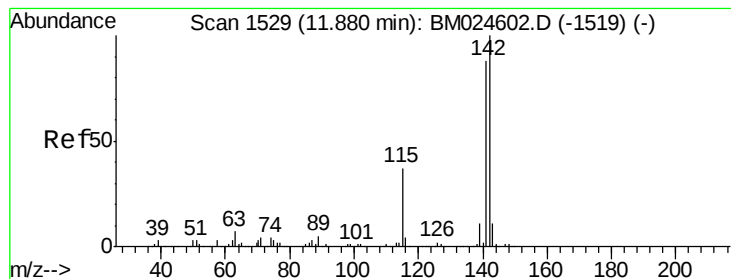


Abundance Ion 128.00 (127.70 to 128.70): BM024664.D (-1235) (-)

Ion 129.00 (128.70 to 129.70): BM024664.D (-1235) (-)

Ion 127.00 (126.70 to 127.70): BM024664.D (-1235) (-)





#37

2-Methylnaphthalene

Concen: 0.077 ng

RT: 11.86 min Scan# 1526

Delta R.T. -0.02 min

Lab File: BM024664.D

Acq: 30 Jan 2020 18:33

Instrument :

BNA_M

ClientSampleId :

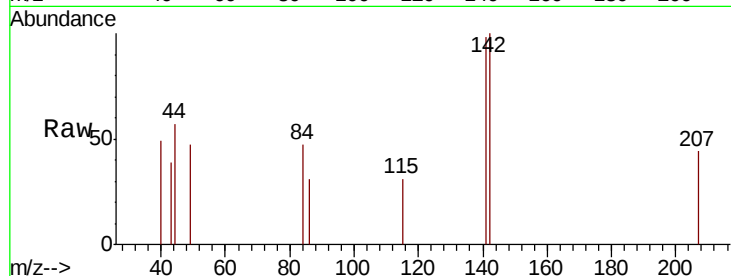
Tot Ion:142 Resp: 1942

Ion Ratio Lower Upper

142 100

141 97.6 70.2 105.2

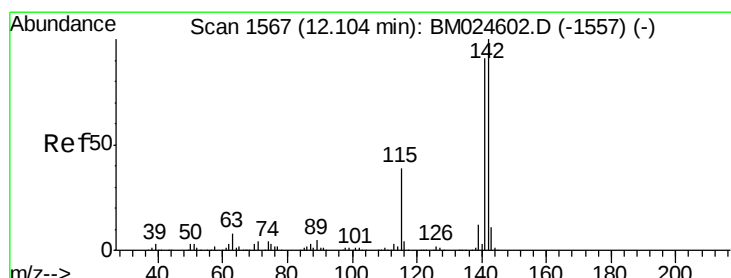
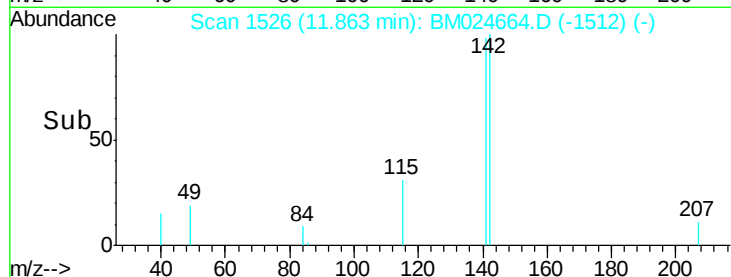
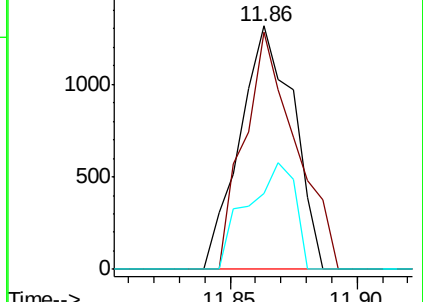
115 31.3 29.7 44.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 0.022 ng

RT: 12.09 min Scan# 1564

Delta R.T. -0.02 min

Lab File: BM024664.D

Acq: 30 Jan 2020 18:33

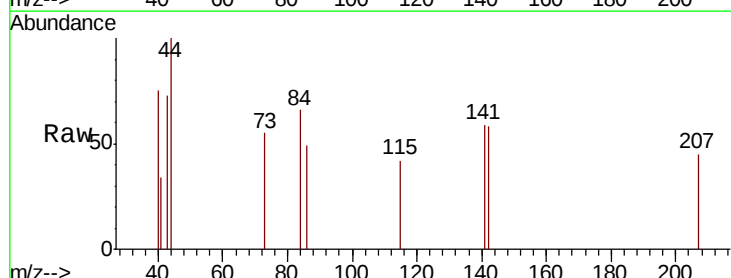
Tgt Ion:142 Resp: 515

Ion Ratio Lower Upper

142 100

141 102.0 72.8 109.2

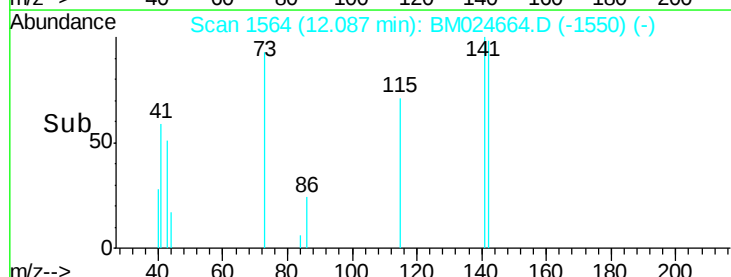
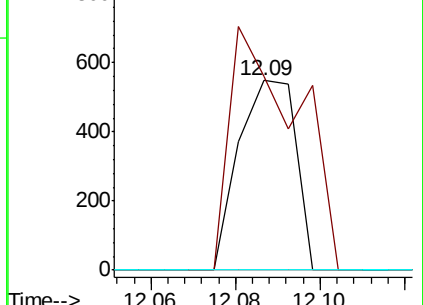
116 0.0 3.2 4.8#

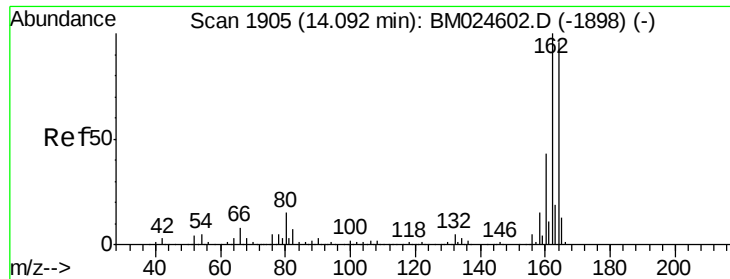


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.08 min Scan# 1903

Delta R.T. -0.01 min

Lab File: BM024664.D

Acq: 30 Jan 2020 18:33

Instrument :

BNA_M

ClientSampleId :

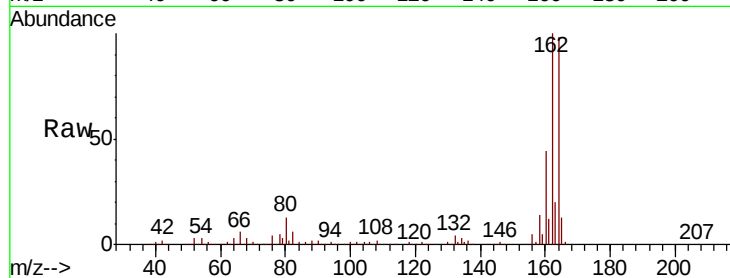
Tot Ion:164 Resp: 438543

Ion Ratio Lower Upper

164 100

162 102.4 82.9 124.3

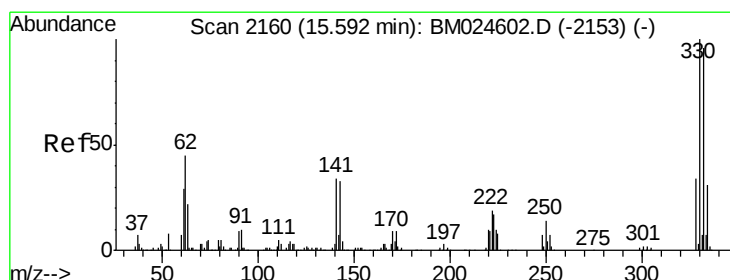
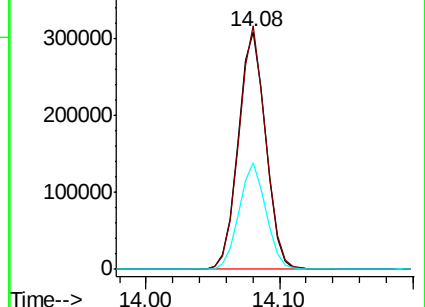
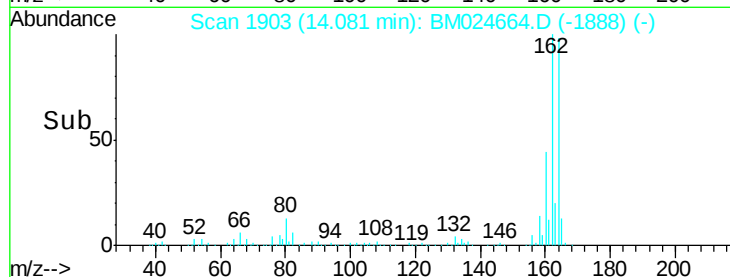
160 44.7 35.5 53.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 132.163 ng

RT: 15.58 min Scan# 2158

Delta R.T. -0.01 min

Lab File: BM024664.D

Acq: 30 Jan 2020 18:33

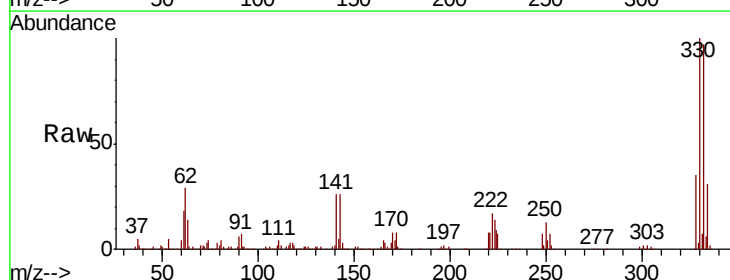
Tgt Ion:330 Resp: 942790

Ion Ratio Lower Upper

330 100

332 96.2 77.2 115.8

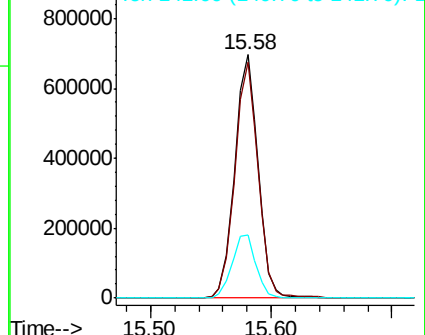
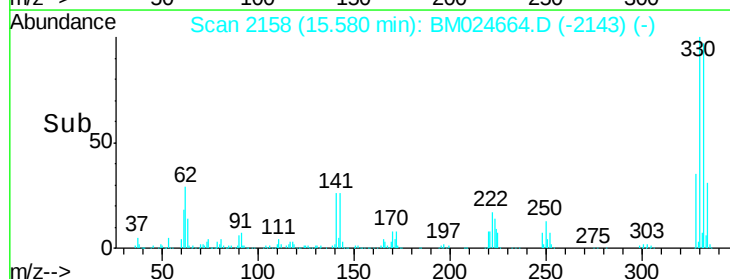
141 27.0 26.9 40.3

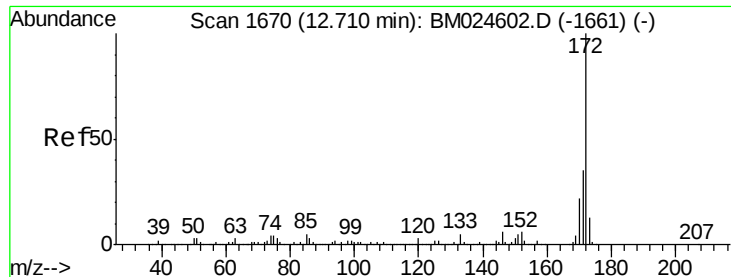


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

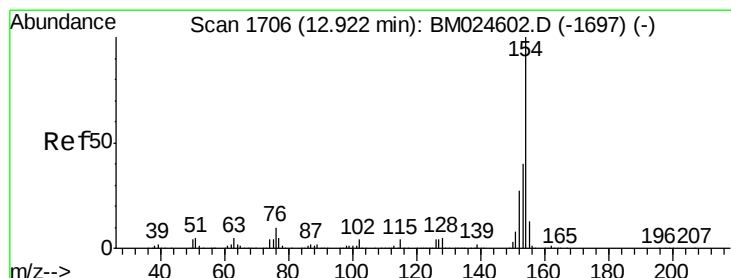
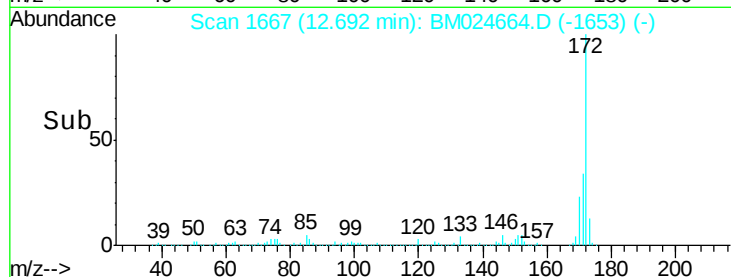
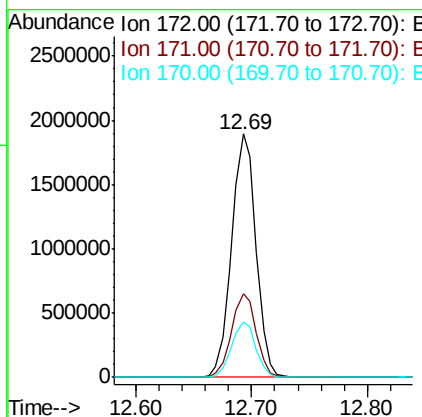
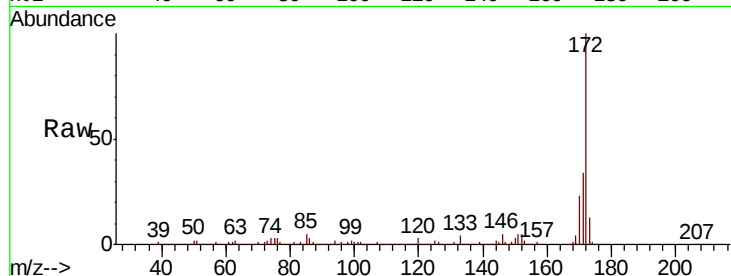




#45
2-Fluorobiphenyl
Concen: 85.676 ng
RT: 12.69 min Scan# 1667
Delta R.T. -0.02 min
Lab File: BM024664.D
Acq: 30 Jan 2020 18:33

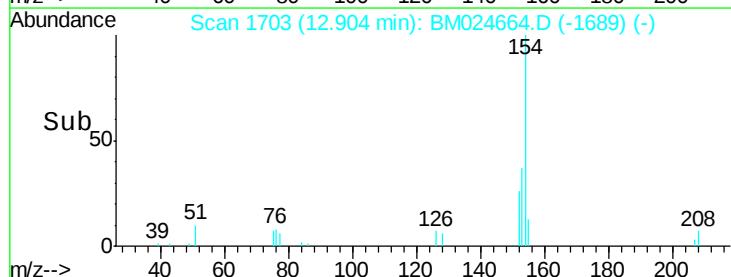
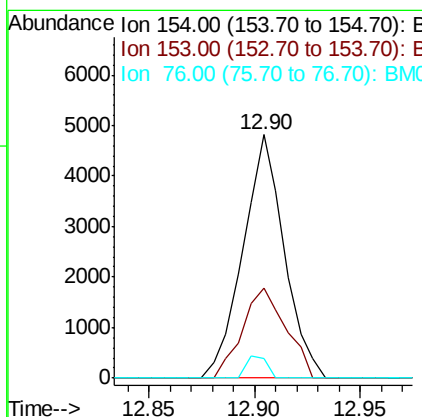
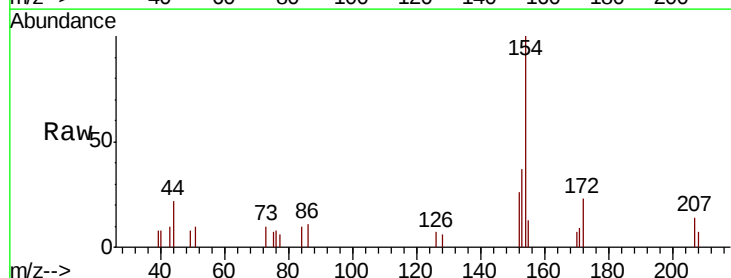
Instrument :
BNA_M
ClientSampled :

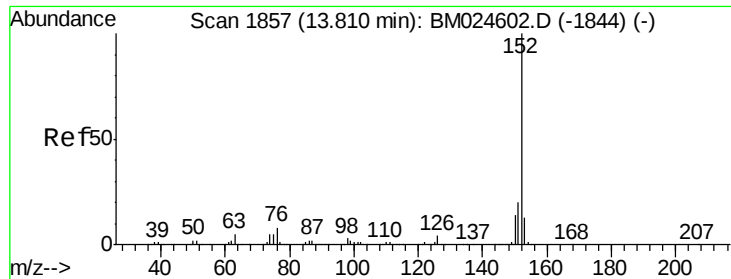
Tot Ion:172 Resp: 2763697
Ion Ratio Lower Upper
172 100
171 34.5 28.3 42.5
170 22.9 17.9 26.9



#46
1,1'-Biphenyl
Concen: 0.197 ng
RT: 12.90 min Scan# 1703
Delta R.T. -0.02 min
Lab File: BM024664.D
Acq: 30 Jan 2020 18:33

Tgt Ion:154 Resp: 6526
Ion Ratio Lower Upper
154 100
153 37.1 20.3 60.3
76 8.2 0.0 30.5





#49

Acenaphthylene

Concen: 0.010 ng

RT: 13.79 min Scan# 1854

Delta R.T. -0.02 min

Lab File: BM024664.D

Acq: 30 Jan 2020 18:33

Instrument :

BNA_M

ClientSampleId :

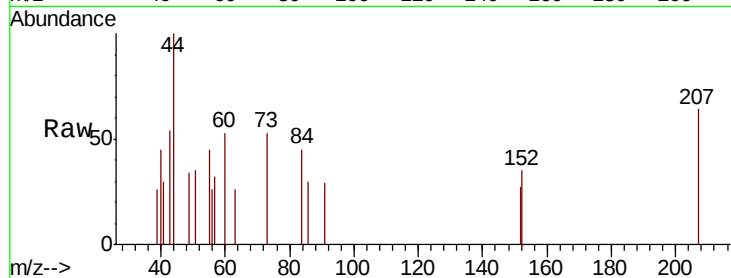
Tot Ion:152 Resp: 420

Ion Ratio Lower Upper

152 100

151 0.0 15.8 23.6#

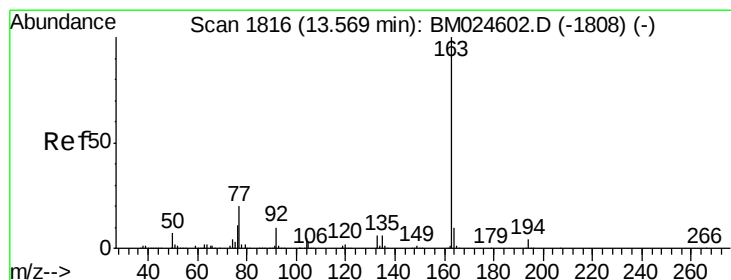
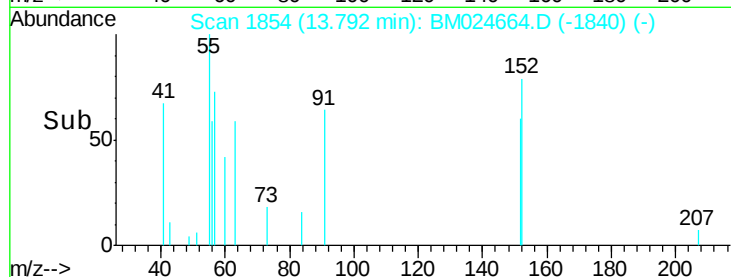
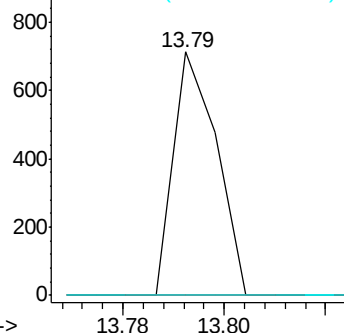
153 0.0 10.4 15.6#



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

Dimethylphthalate

Concen: 2.956 ng

RT: 13.55 min Scan# 1813

Delta R.T. -0.02 min

Lab File: BM024664.D

Acq: 30 Jan 2020 18:33

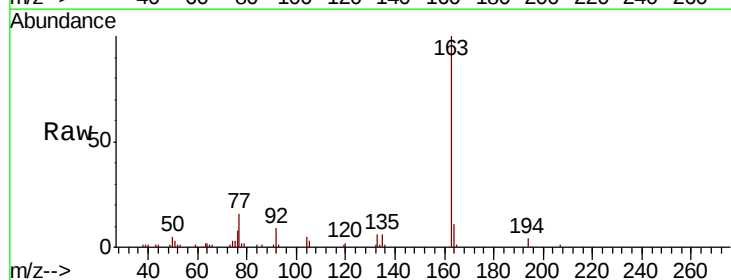
Tgt Ion:163 Resp: 104808

Ion Ratio Lower Upper

163 100

194 3.6 3.4 5.0

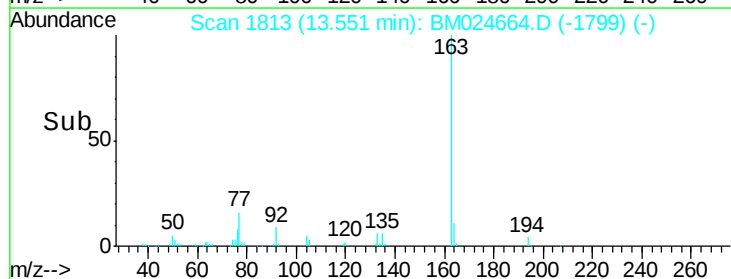
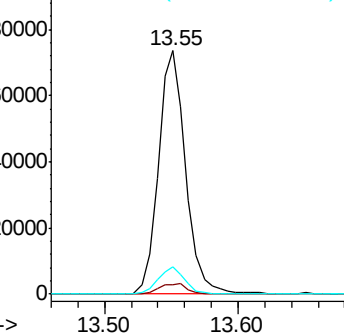
164 11.0 8.0 12.0

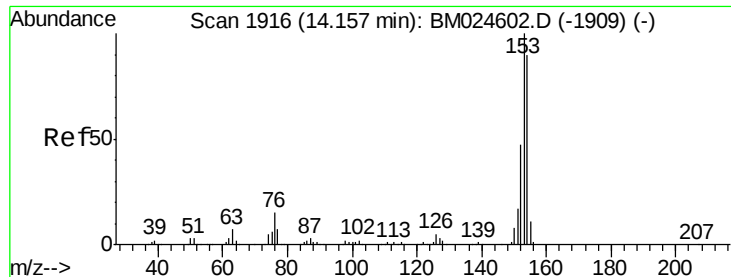


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#52

Acenaphthene

Concen: 0.005 ng

RT: 14.14 min Scan# 1913

Delta R.T. -0.02 min

Lab File: BM024664.D

Acq: 30 Jan 2020 18:33

Instrument :

BNA_M

ClientSampleId :

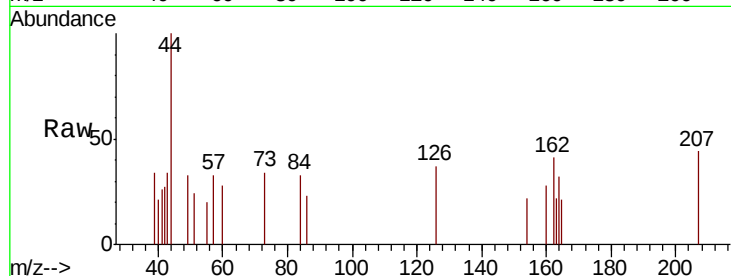
Tot Ion:154 Resp: 113

Ion Ratio Lower Upper

154 100

153 0.0 89.1 133.7#

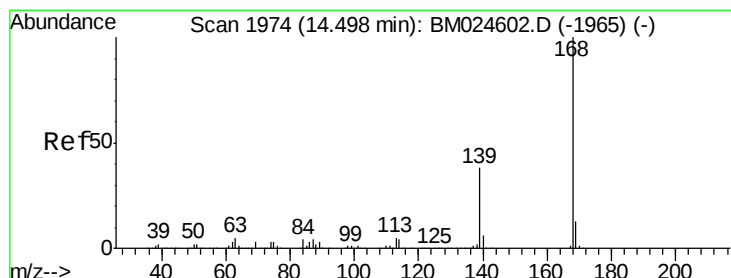
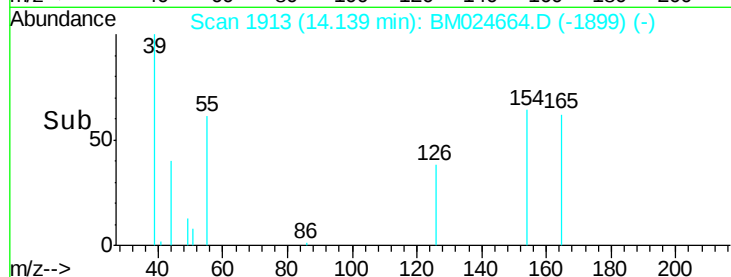
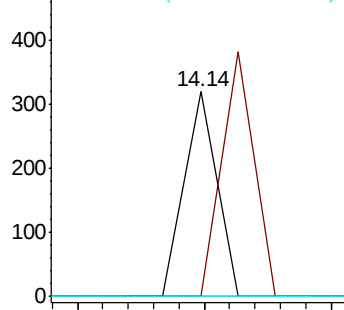
152 0.0 41.9 62.9#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 0.007 ng

RT: 14.48 min Scan# 1971

Delta R.T. -0.02 min

Lab File: BM024664.D

Acq: 30 Jan 2020 18:33

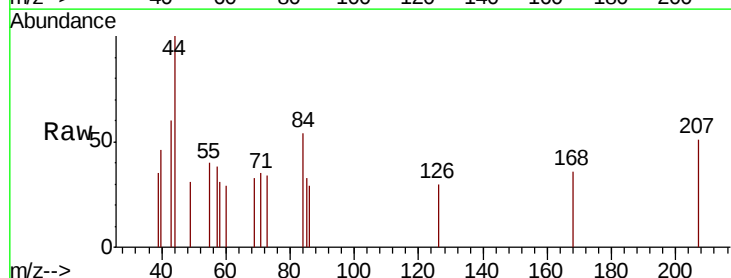
Tgt Ion:168 Resp: 272

Ion Ratio Lower Upper

168 100

139 0.0 30.2 45.4#

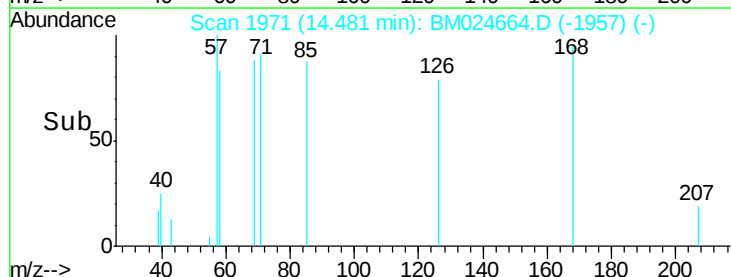
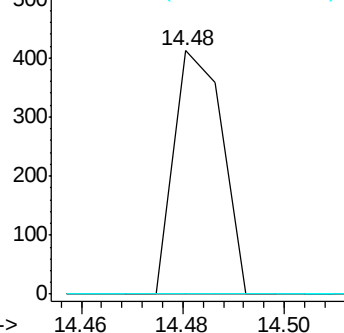
169 0.0 10.7 16.1#

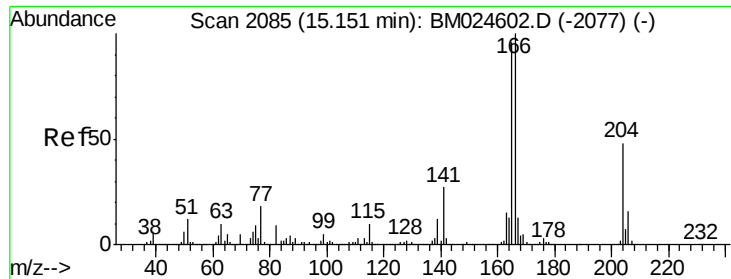


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

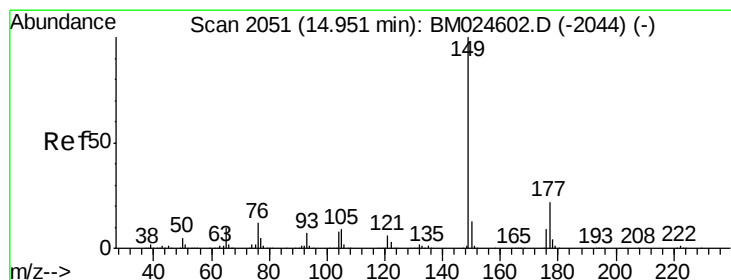
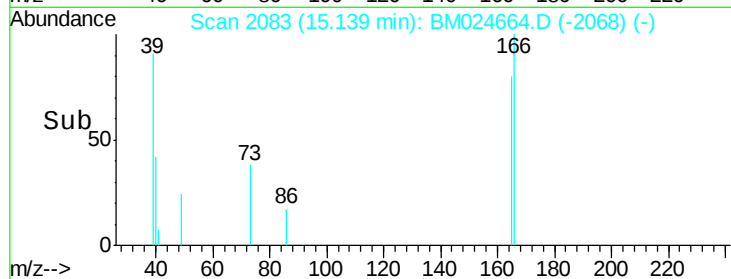
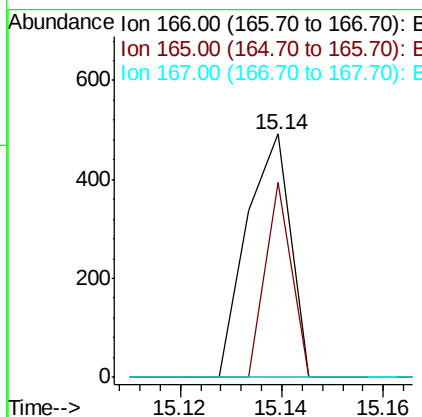
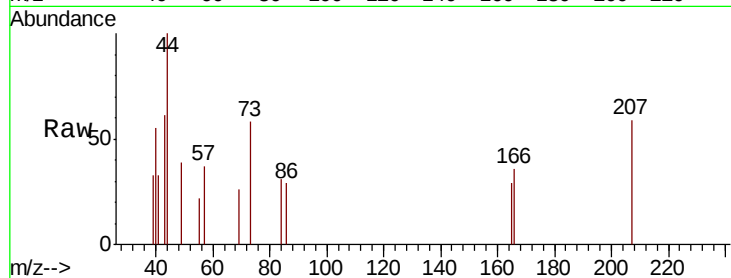




#58
 Fluorene
 Concen: 0.009 ng
 RT: 15.14 min Scan# 2083
 Delta R.T. -0.01 min
 Lab File: BM024664.D
 Acq: 30 Jan 2020 18:33

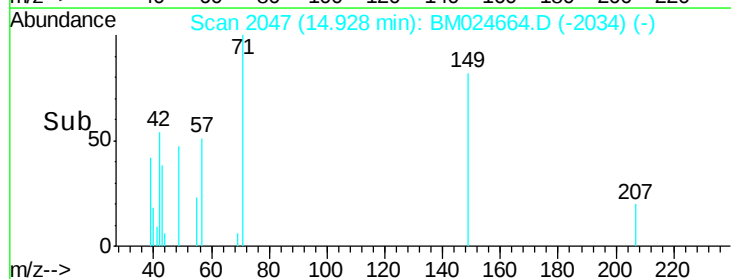
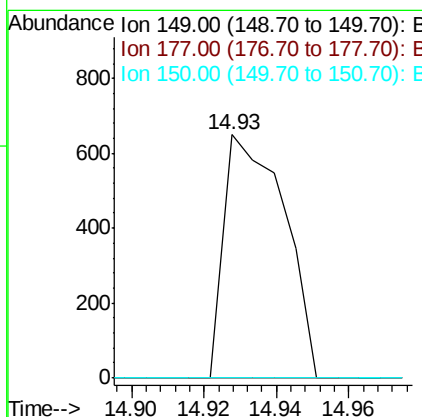
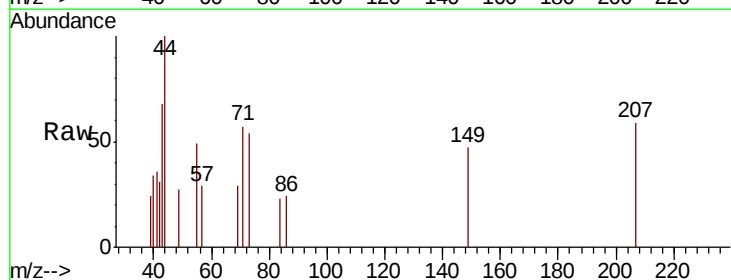
Instrument :
 BNA_M
 ClientSampleId :

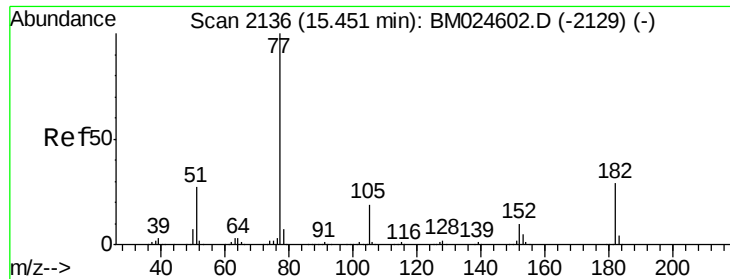
Tot Ion:166 Resp: 293
 Ion Ratio Lower Upper
 166 100
 165 80.1 76.6 114.8
 167 0.0 10.8 16.2#



#60
 Diethylphthalate
 Concen: 0.021 ng
 RT: 14.93 min Scan# 2047
 Delta R.T. -0.02 min
 Lab File: BM024664.D
 Acq: 30 Jan 2020 18:33

Tgt Ion:149 Resp: 750
 Ion Ratio Lower Upper
 149 100
 177 0.0 18.0 27.0#
 150 0.0 10.2 15.4#

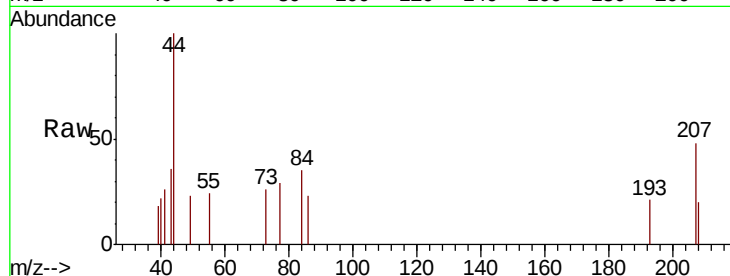




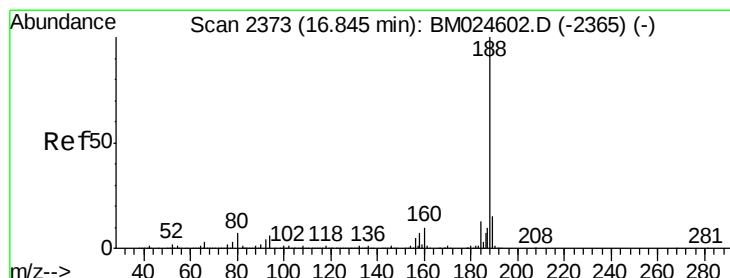
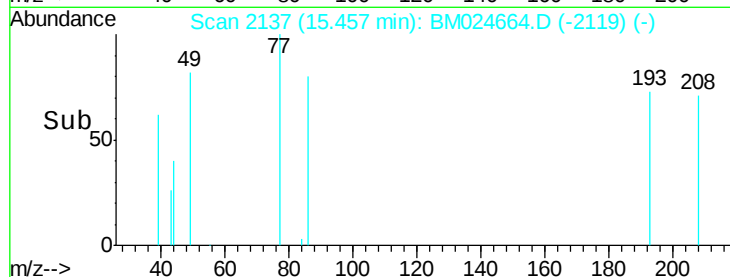
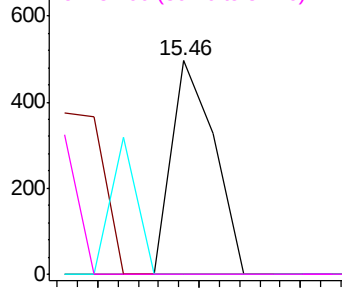
#63
Azobenzene
Concen: 0.009 ng
RT: 15.46 min Scan# 2137
Delta R.T. 0.01 min
Lab File: BM024664.D
Acq: 30 Jan 2020 18:33

Instrument :
BNA_M
ClientSampleId :

Tot Ion: 77 Resp: 291
Ion Ratio Lower Upper
77 100
182 0.0 8.7 48.7#
105 0.0 0.0 39.2
51 0.0 7.5 47.5#

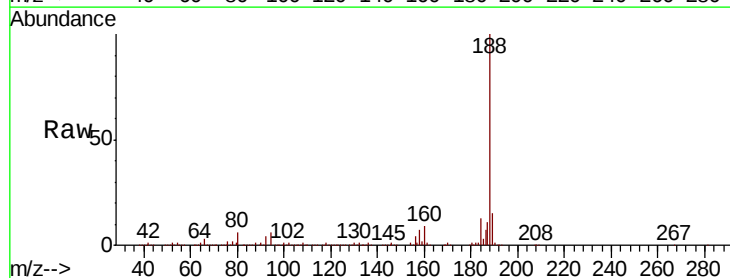


Abundance Ion 77.00 (76.70 to 77.70): BM0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BM0

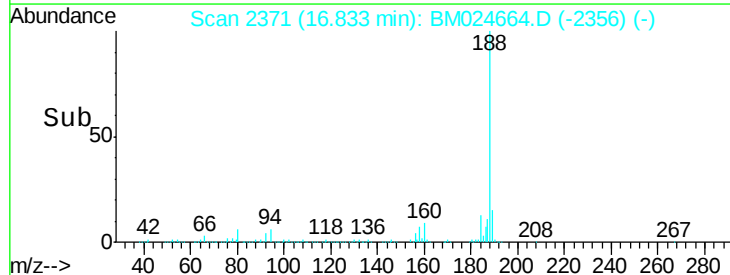
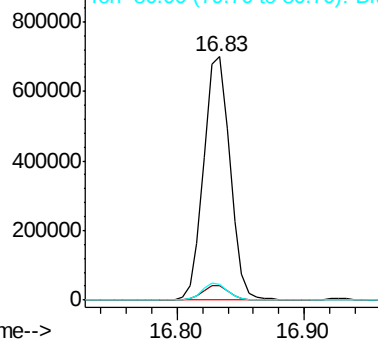


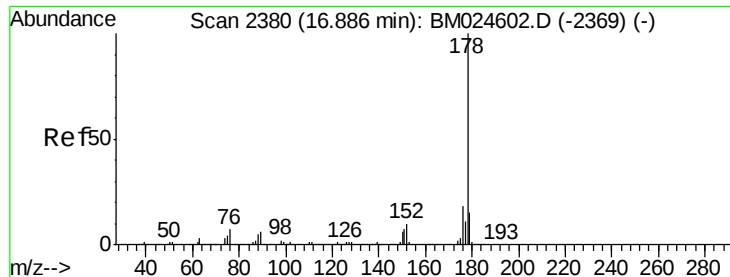
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.83 min Scan# 2371
Delta R.T. -0.01 min
Lab File: BM024664.D
Acq: 30 Jan 2020 18:33

Tgt Ion: 188 Resp: 1004437
Ion Ratio Lower Upper
188 100
94 5.9 5.0 7.6
80 6.3 5.8 8.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM0
Ion 80.00 (79.70 to 80.70): BM0





#71

Phenanthrene

Concen: 0.034 ng

RT: 16.87 min Scan# 2377

Delta R.T. -0.02 min

Lab File: BM024664.D

Acq: 30 Jan 2020 18:33

Instrument :

BNA_M

ClientSampleId :

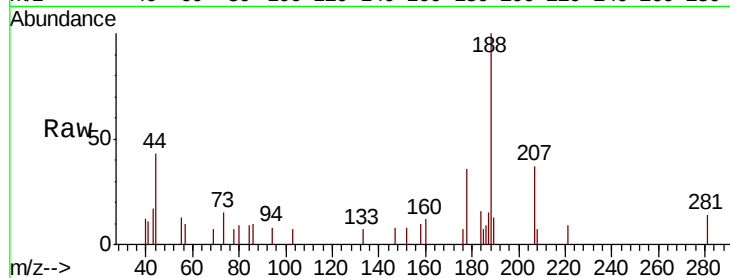
Tot Ion:178 Resp: 1865

Ion Ratio Lower Upper

178 100

176 20.8 14.5 21.7

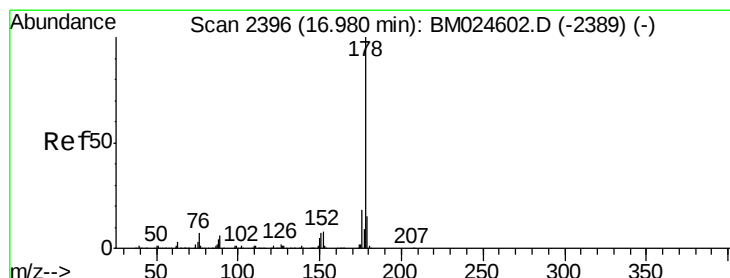
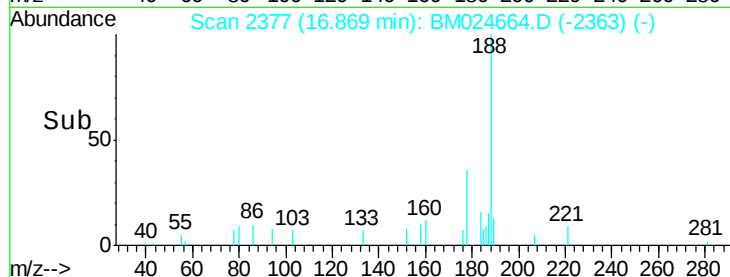
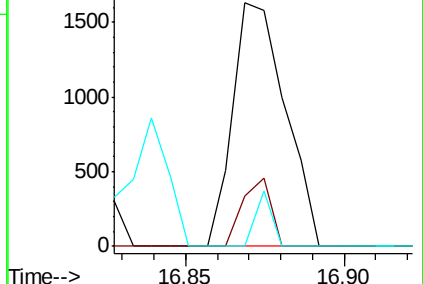
179 0.0 11.9 17.9#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 0.017 ng

RT: 16.97 min Scan# 2394

Delta R.T. -0.01 min

Lab File: BM024664.D

Acq: 30 Jan 2020 18:33

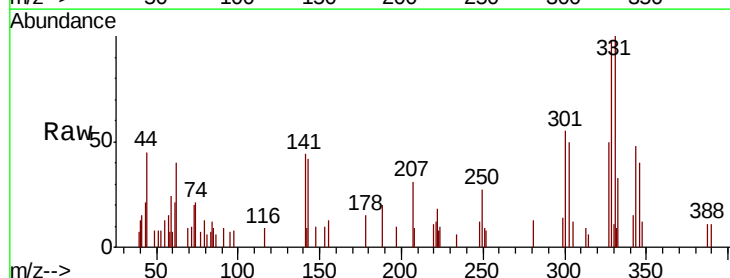
Tgt Ion:178 Resp: 895

Ion Ratio Lower Upper

178 100

176 0.0 14.3 21.5#

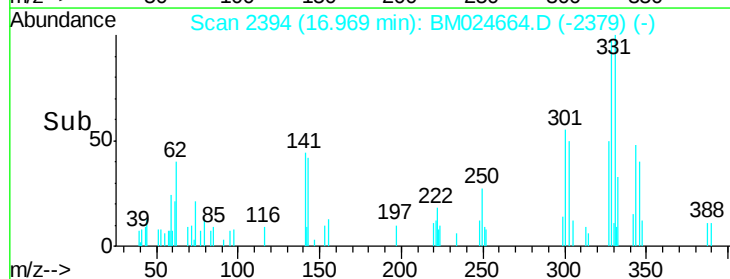
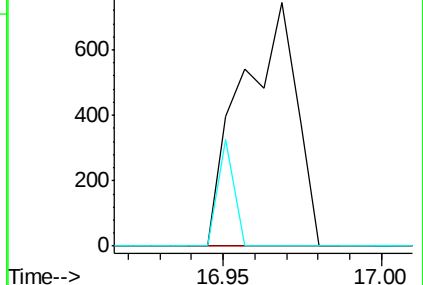
179 0.0 12.1 18.1#

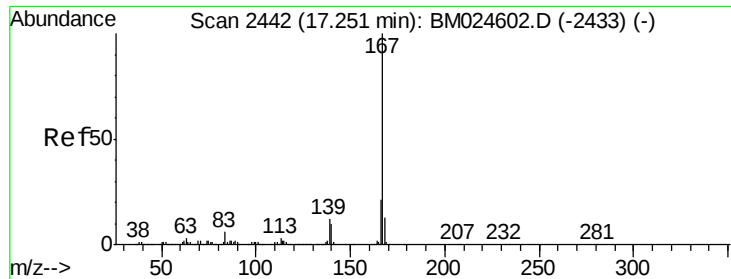


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

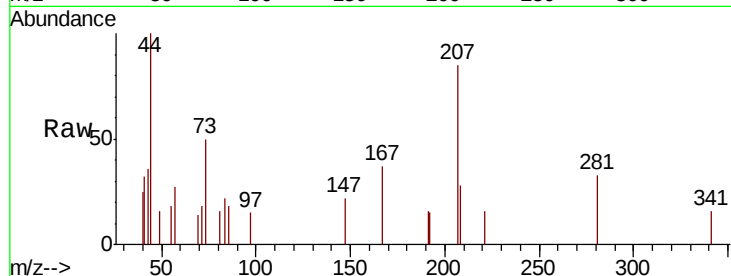




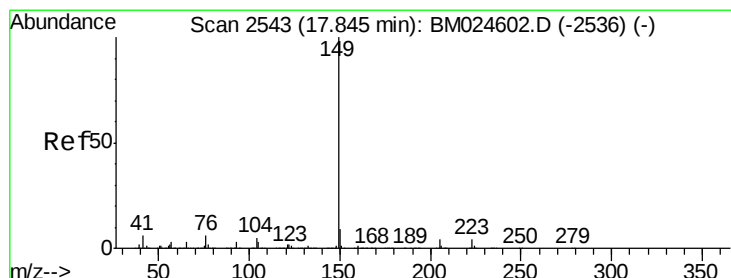
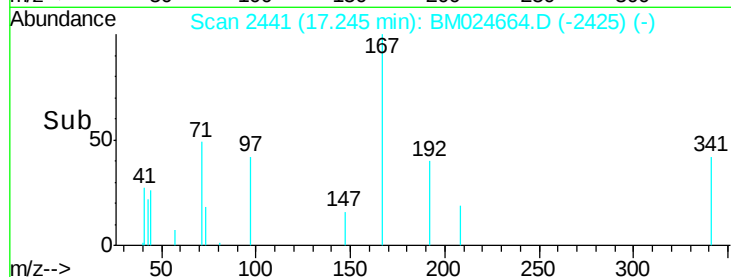
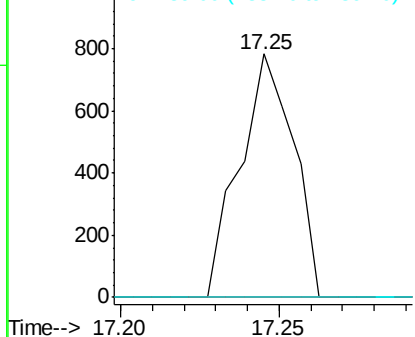
#73
 Carbazole
 Concen: 0.019 ng
 RT: 17.25 min Scan# 2441
 Delta R.T. -0.01 min
 Lab File: BM024664.D
 Acq: 30 Jan 2020 18:33

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:167 Resp: 920
 Ion Ratio Lower Upper
 167 100
 166 0.0 17.1 25.7#
 139 0.0 9.8 14.8#

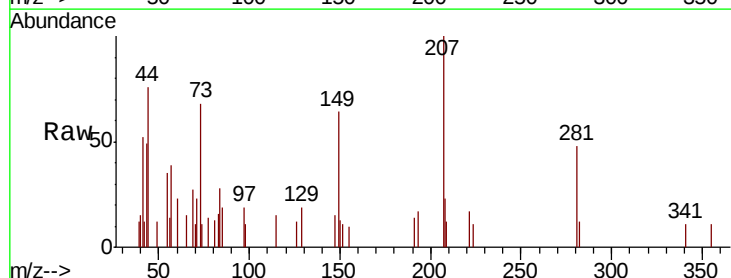


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

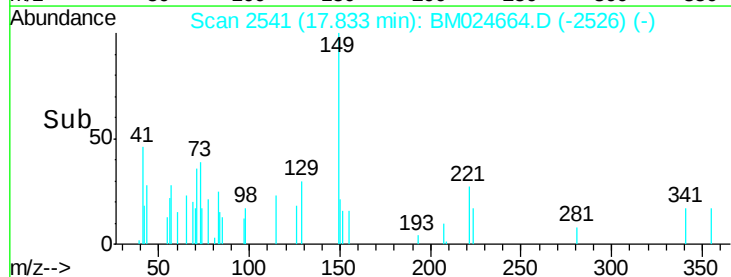
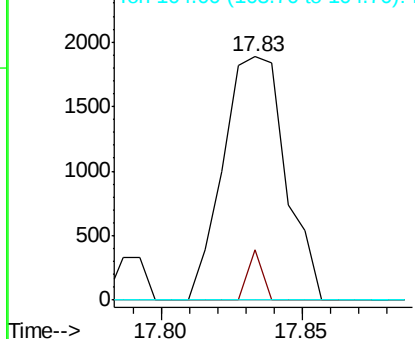


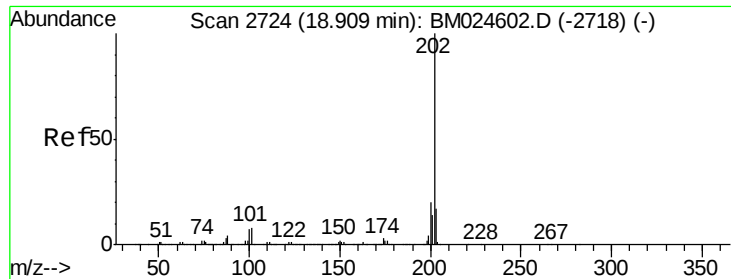
#74
 Di-n-butylphthalate
 Concen: 0.047 ng
 RT: 17.83 min Scan# 2541
 Delta R.T. -0.01 min
 Lab File: BM024664.D
 Acq: 30 Jan 2020 18:33

Tgt Ion:149 Resp: 2895
 Ion Ratio Lower Upper
 149 100
 150 20.8 7.4 11.0#
 104 0.0 4.3 6.5#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 0.039 ng

RT: 18.90 min Scan# 2723

Delta R.T. -0.01 min

Lab File: BM024664.D

Acq: 30 Jan 2020 18:33

Instrument :

BNA_M

ClientSampleId :

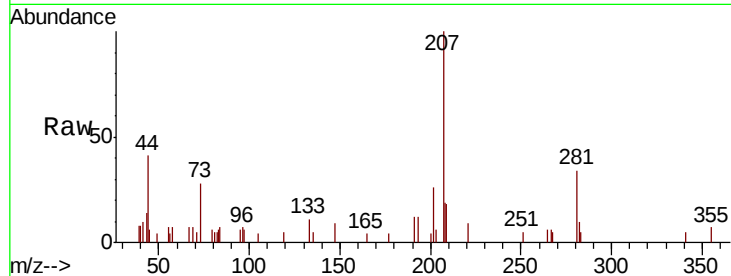
Tot Ion:202 Resp: 2627

Ion Ratio Lower Upper

202 100

101 0.0 0.0 28.4

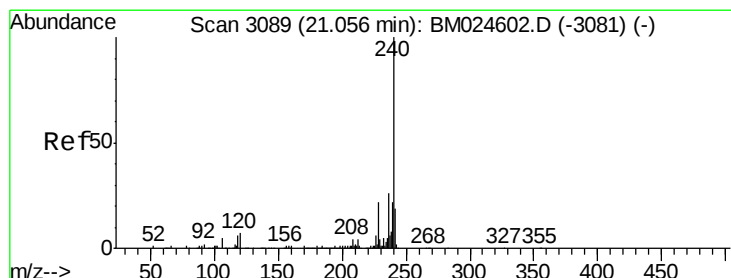
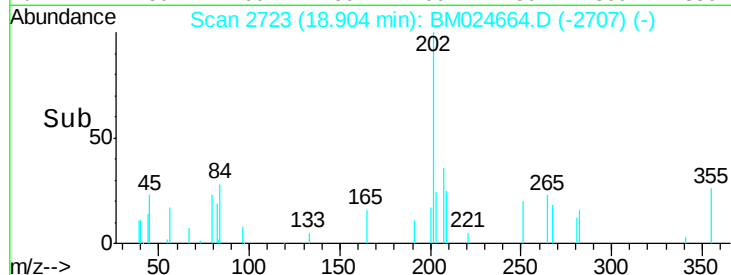
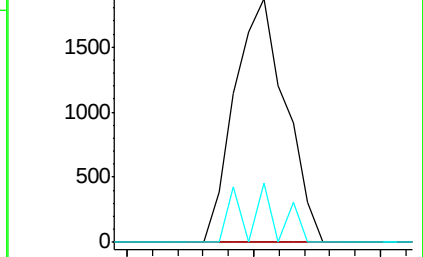
203 24.2 0.0 37.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.04 min Scan# 3087

Delta R.T. -0.01 min

Lab File: BM024664.D

Acq: 30 Jan 2020 18:33

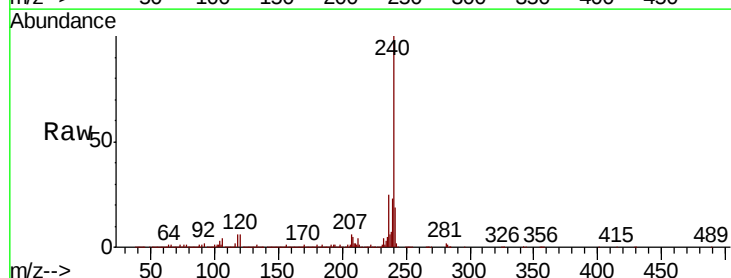
Tgt Ion:240 Resp: 1246542

Ion Ratio Lower Upper

240 100

120 6.0 5.3 7.9

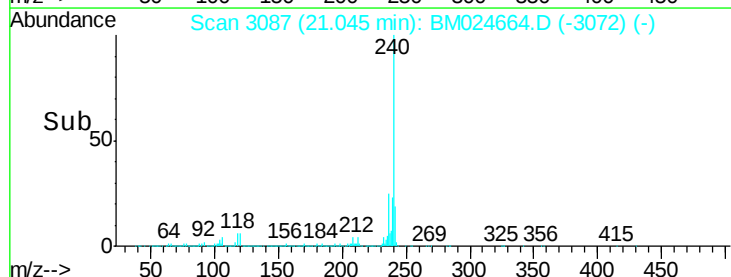
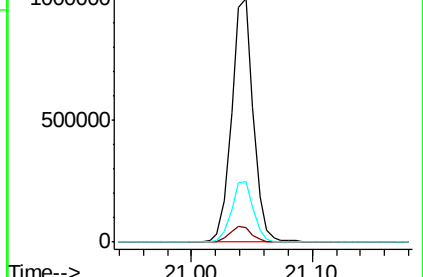
236 25.1 20.6 31.0

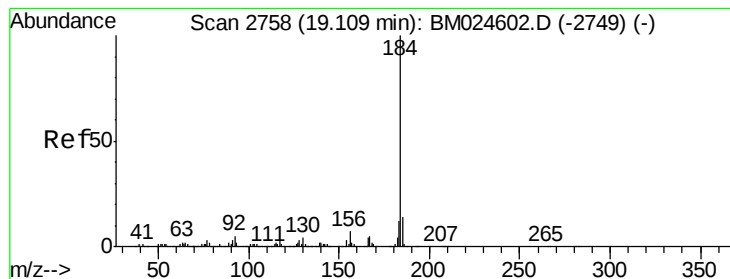


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 0.096 ng

RT: 19.10 min Scan# 2757

Delta R.T. -0.01 min

Lab File: BM024664.D

Acq: 30 Jan 2020 18:33

Instrument :

BNA_M

ClientSampleId :

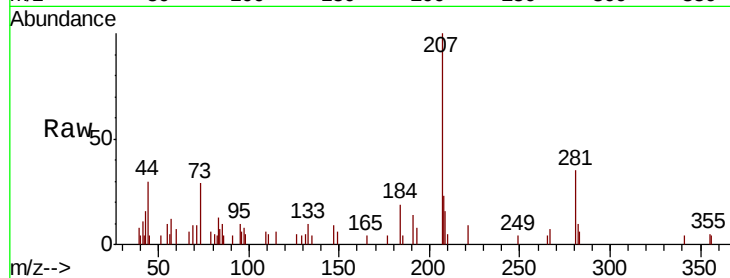
Tot Ion:184 Resp: 2784

Ion Ratio Lower Upper

184 100

185 20.6 11.3 16.9#

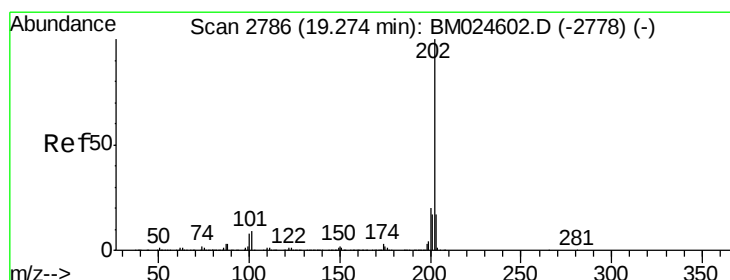
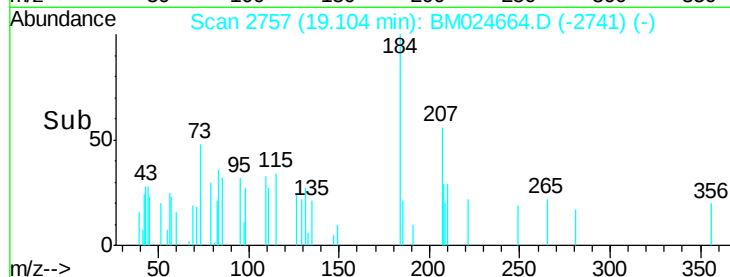
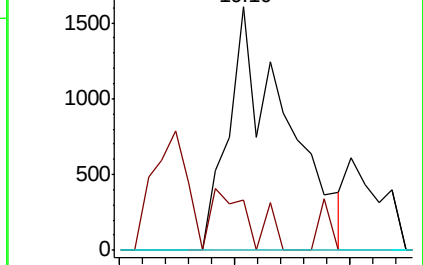
183 0.0 9.6 14.4#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 0.042 ng

RT: 19.27 min Scan# 2785

Delta R.T. -0.01 min

Lab File: BM024664.D

Acq: 30 Jan 2020 18:33

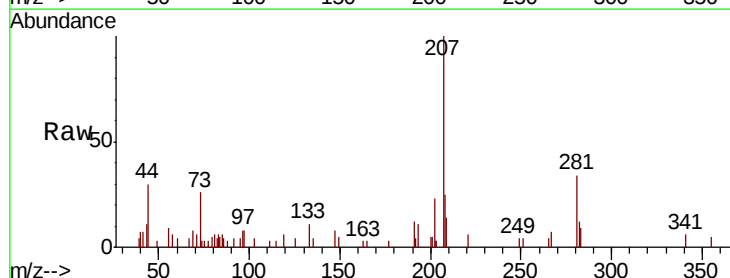
Tgt Ion:202 Resp: 3437

Ion Ratio Lower Upper

202 100

200 20.7 16.2 24.2

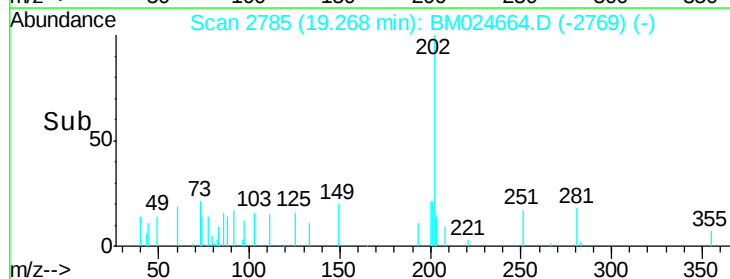
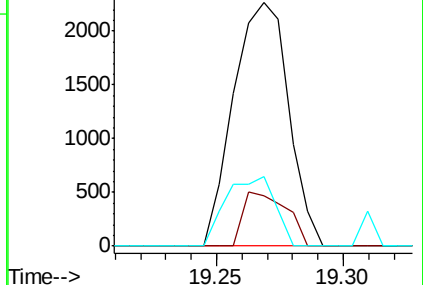
203 28.8 14.0 21.0#

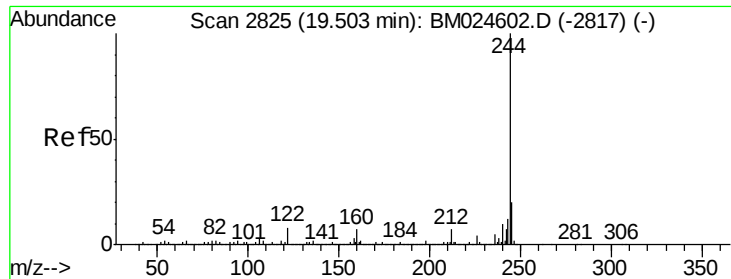


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 80.829 ng

RT: 19.49 min Scan# 2823

Delta R.T. -0.01 min

Lab File: BM024664.D

Acq: 30 Jan 2020 18:33

Instrument :

BNA_M

ClientSampled :

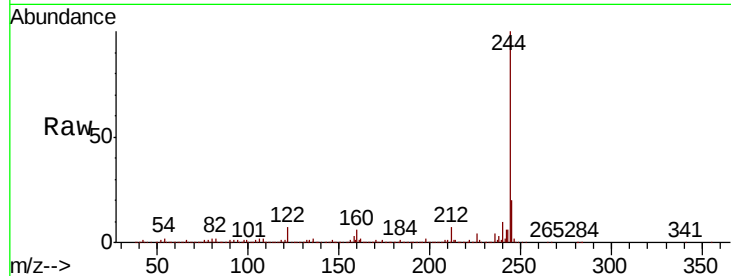
Tot Ion:244 Resp: 5396968

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.2

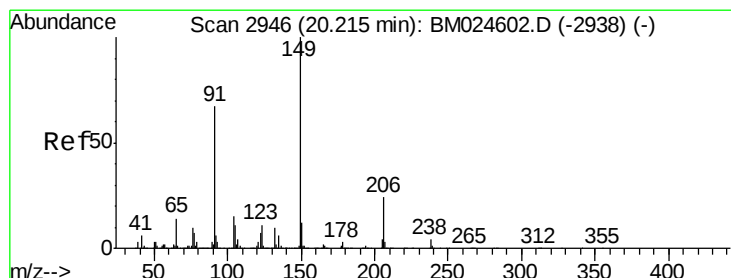
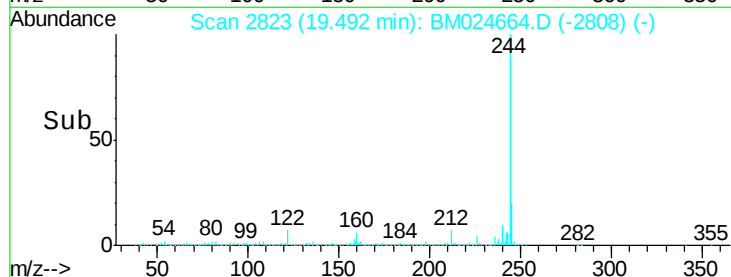
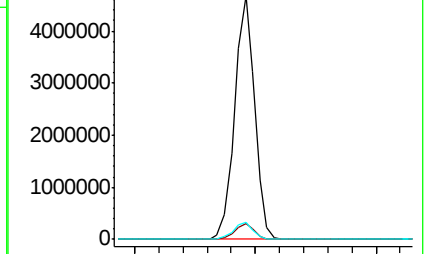
122 7.2 6.2 9.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 0.011 ng

RT: 20.19 min Scan# 2941

Delta R.T. -0.03 min

Lab File: BM024664.D

Acq: 30 Jan 2020 18:33

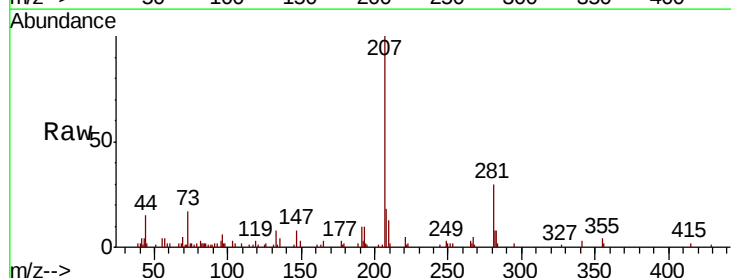
Tgt Ion:149 Resp: 371

Ion Ratio Lower Upper

149 100

91 77.9 53.9 80.9

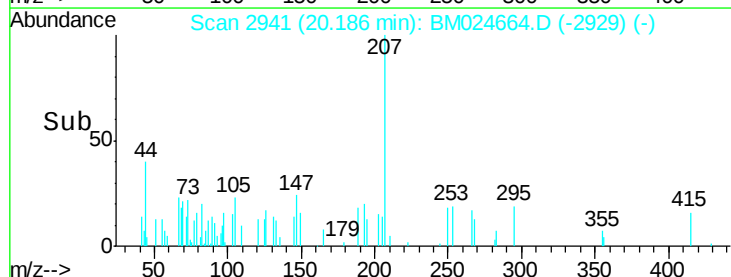
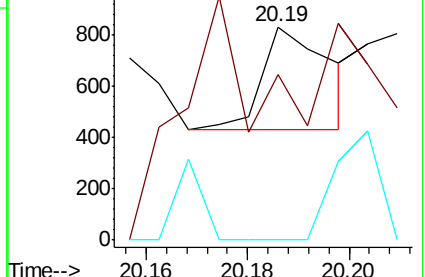
206 0.0 19.0 28.6#

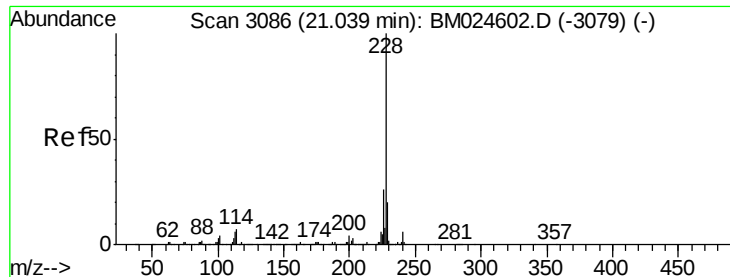


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 0.034 ng

RT: 21.08 min Scan# 3093

Delta R.T. 0.04 min

Lab File: BM024664.D

Acq: 30 Jan 2020 18:33

Instrument :

BNA_M

ClientSampleId :

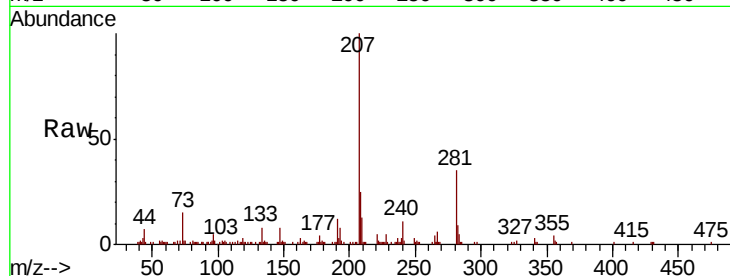
Tot Ion:228 Resp: 2913

Ion Ratio Lower Upper

228 100

226 29.5 21.1 31.7

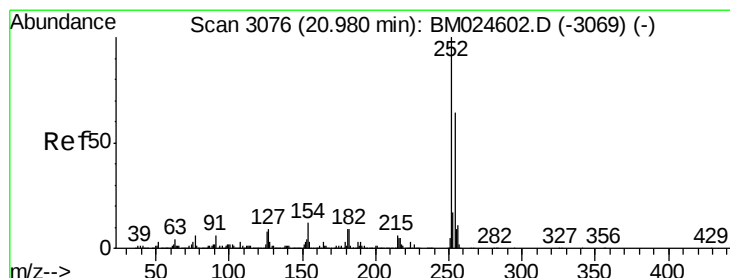
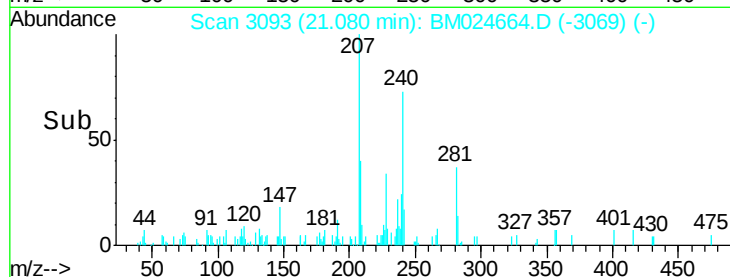
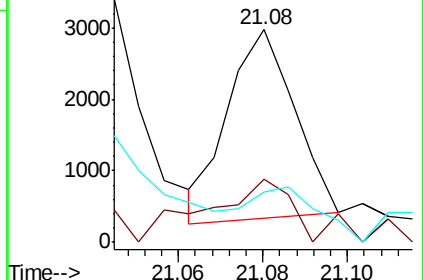
229 23.5 15.8 23.6



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



#82

3,3'-Dichlorobenzidine

Concen: 0.038 ng

RT: 20.97 min Scan# 3075

Delta R.T. -0.01 min

Lab File: BM024664.D

Acq: 30 Jan 2020 18:33

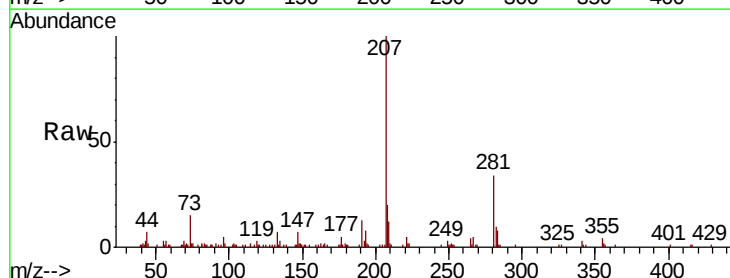
Tgt Ion:252 Resp: 1188

Ion Ratio Lower Upper

252 100

254 46.0 51.5 77.3#

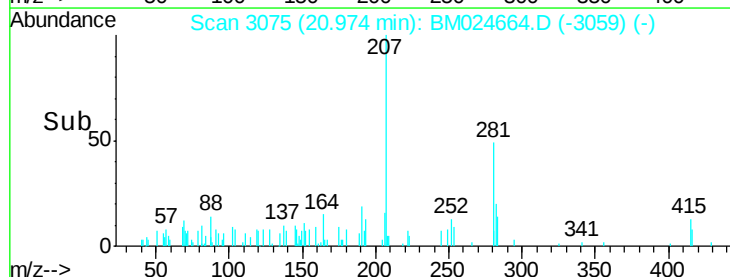
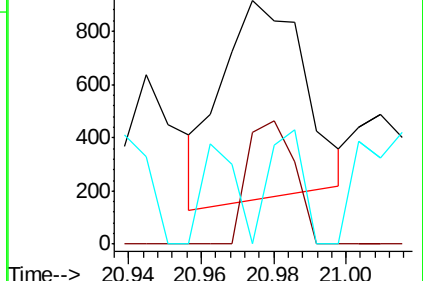
126 0.0 6.7 10.1#

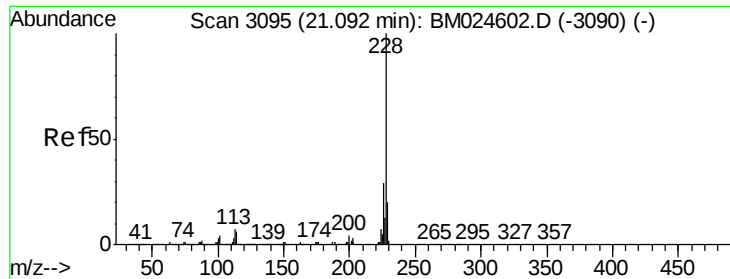


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 0.053 ng

RT: 21.08 min Scan# 3093

Delta R.T. -0.01 min

Lab File: BM024664.D

Acq: 30 Jan 2020 18:33

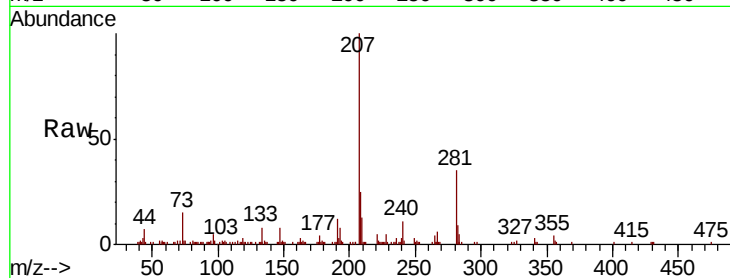
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 4397

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.2	34.8
229	23.5	15.7	23.5

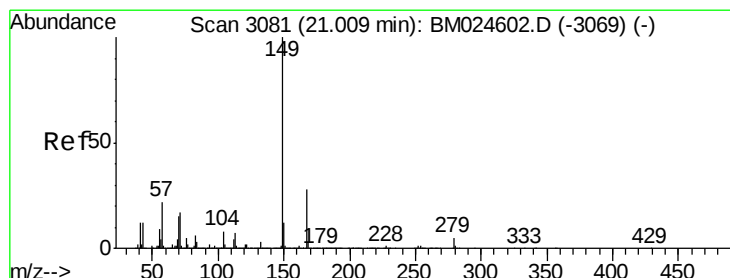
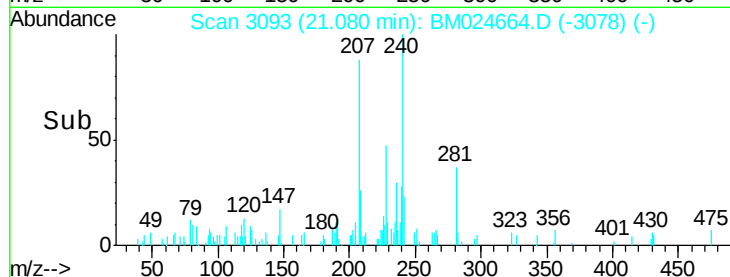
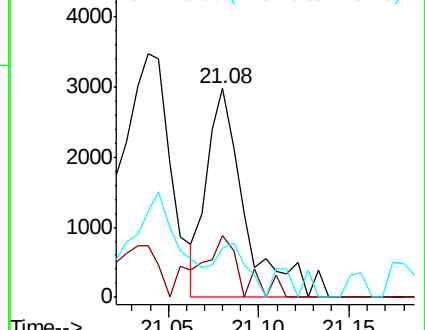


Abundance

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



#84

Bis(2-ethylhexyl)phthalate

Concen: 0.138 ng

RT: 21.00 min Scan# 3080

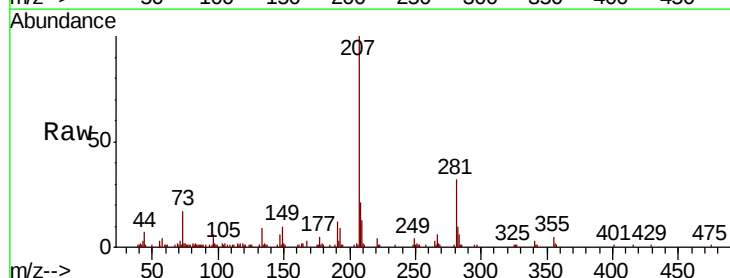
Delta R.T. -0.01 min

Lab File: BM024664.D

Acq: 30 Jan 2020 18:33

Tgt Ion:149 Resp: 7039

Ion	Ratio	Lower	Upper
149	100		
167	27.2	22.5	33.7
279	9.6	4.0	6.0

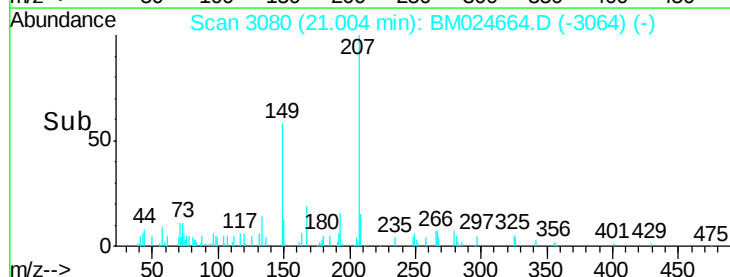
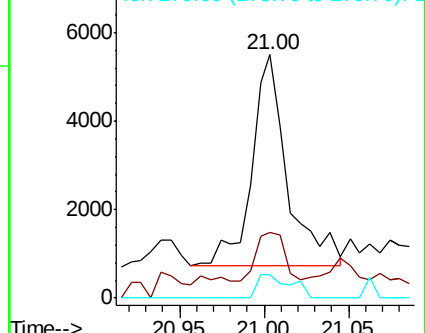


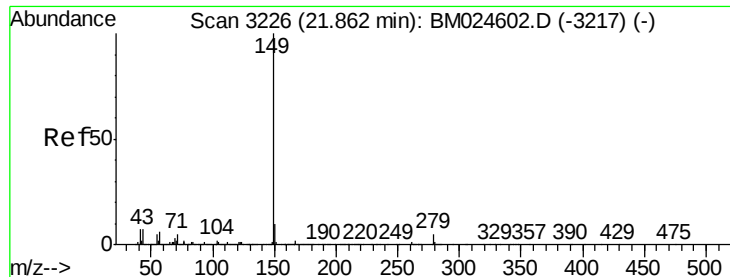
Abundance

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

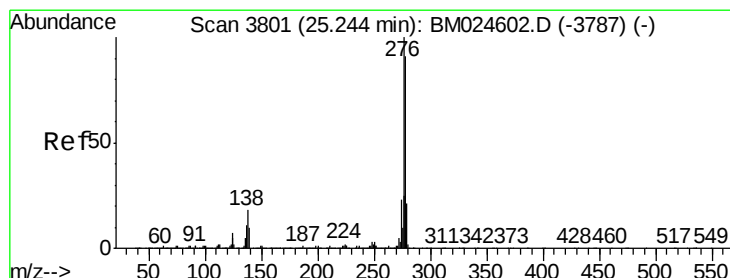
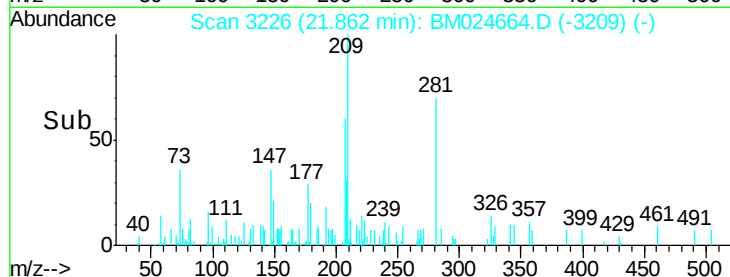
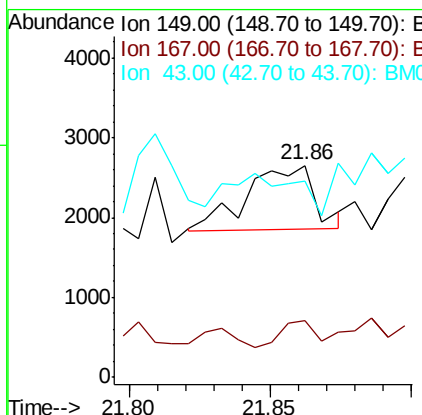
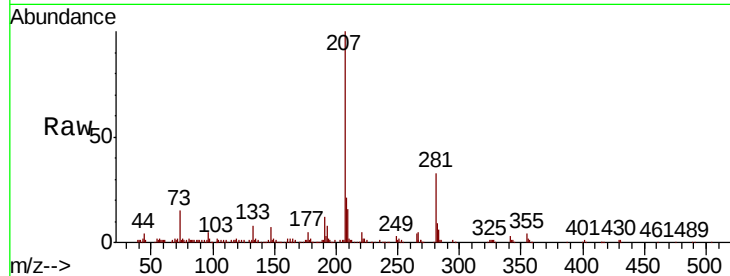




#85
Di-n-octyl phthalate
Concen: 0.016 ng
RT: 21.86 min Scan# 3226
Delta R.T. 0.00 min
Lab File: BM024664.D
Acq: 30 Jan 2020 18:33

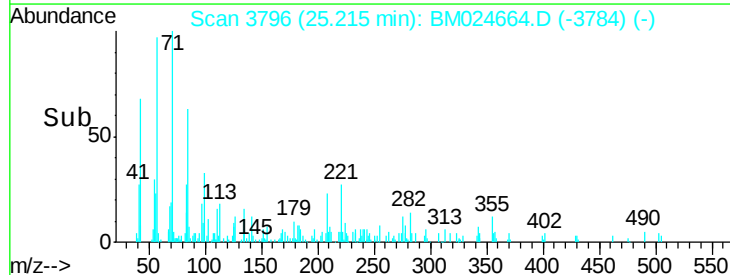
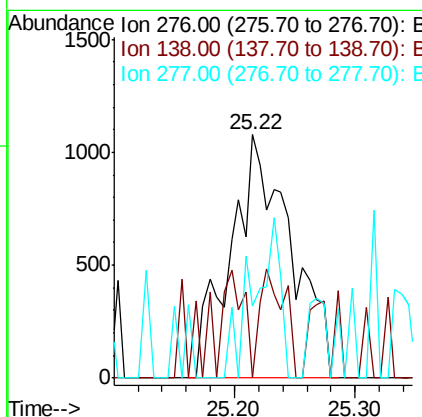
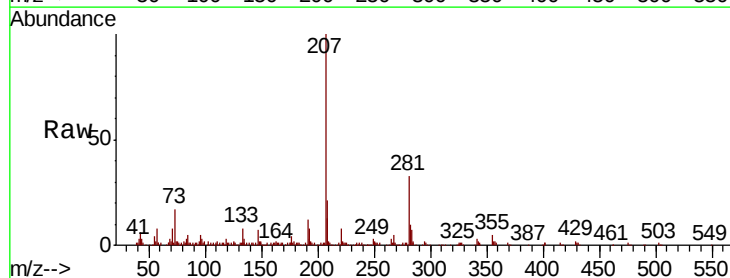
Instrument :
BNA_M
ClientSampleId :

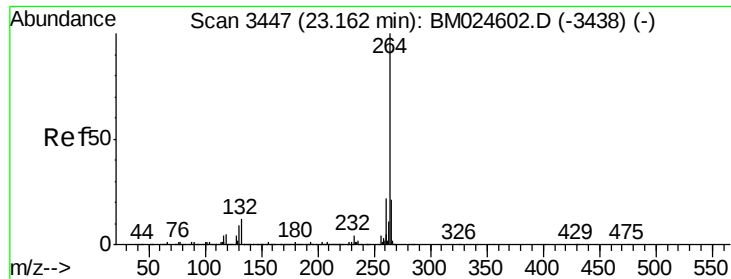
Tot Ion:149 Resp: 1342
Ion Ratio Lower Upper
149 100
167 33.6 1.3 1.9#
43 0.0 5.8 8.6#



#86
Indeno(1,2,3-cd)pyrene
Concen: 0.041 ng
RT: 25.22 min Scan# 3796
Delta R.T. -0.03 min
Lab File: BM024664.D
Acq: 30 Jan 2020 18:33

Tgt Ion:276 Resp: 3720
Ion Ratio Lower Upper
276 100
138 18.1 13.4 20.0
277 29.8 19.6 29.4#



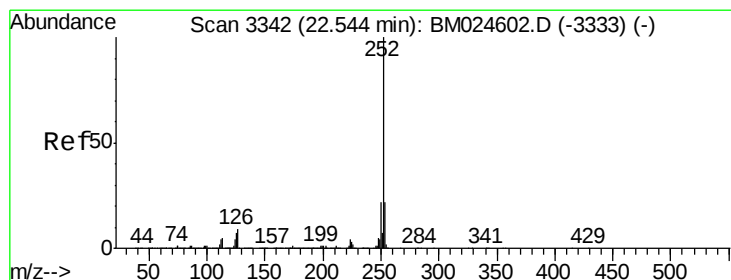
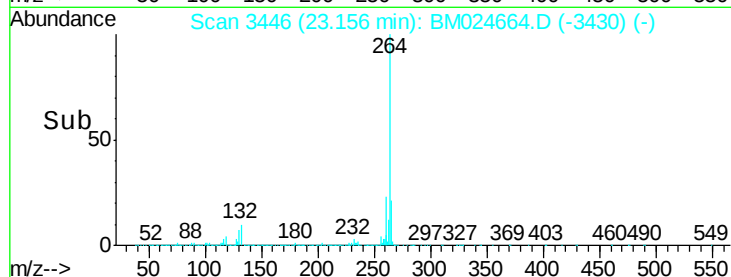
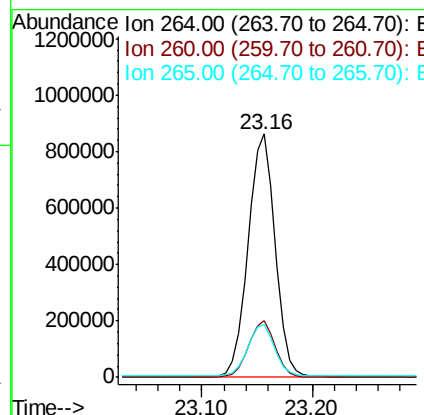
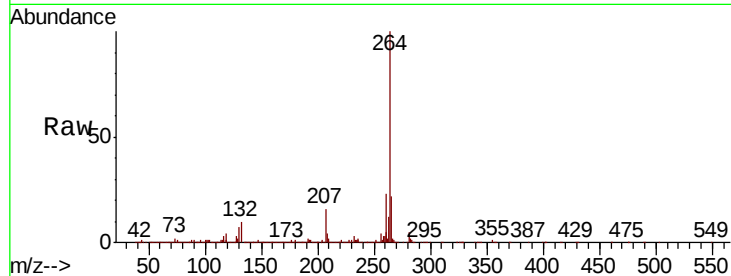


#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.16 min Scan# 3446
Delta R.T. -0.01 min
Lab File: BM024664.D
Acq: 30 Jan 2020 18:33

Instrument :
BNA_M
ClientSampled :

Tot Ion:264 Resp: 1490994

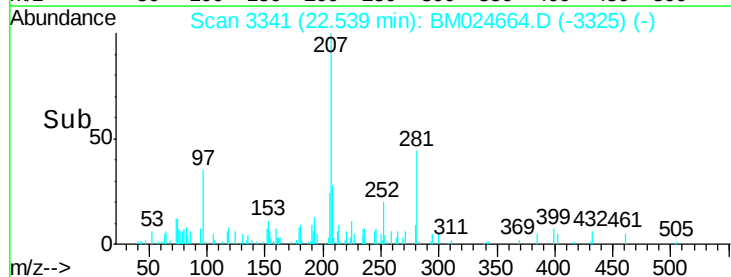
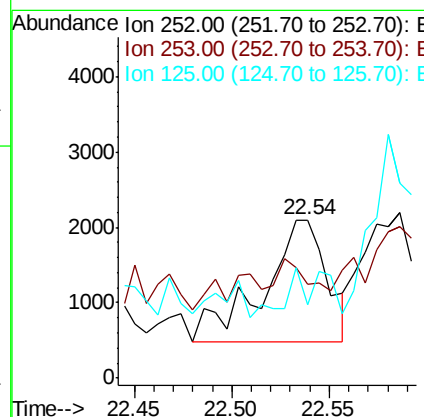
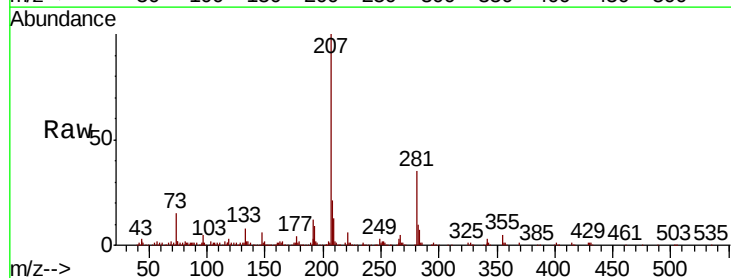
Ion	Ratio	Lower	Upper
264	100		
260	23.2	17.9	26.9
265	21.6	17.3	25.9

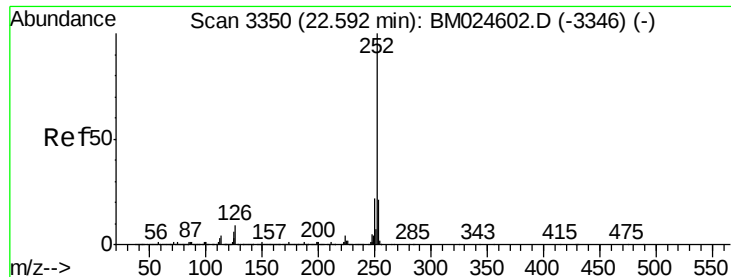


#88
Benzo(b)fluoranthene
Concen: 0.038 ng
RT: 22.54 min Scan# 3341
Delta R.T. -0.01 min
Lab File: BM024664.D
Acq: 30 Jan 2020 18:33

Tgt Ion:252 Resp: 3650

Ion	Ratio	Lower	Upper
252	100		
253	59.0	17.6	26.4#
125	46.7	5.7	8.5#





#89

Benzo(k)fluoranthene

Concen: 0.033 ng

RT: 22.59 min Scan# 3349

Delta R.T. -0.01 min

Lab File: BM024664.D

Acq: 30 Jan 2020 18:33

Instrument :

BNA_M

ClientSampleId :

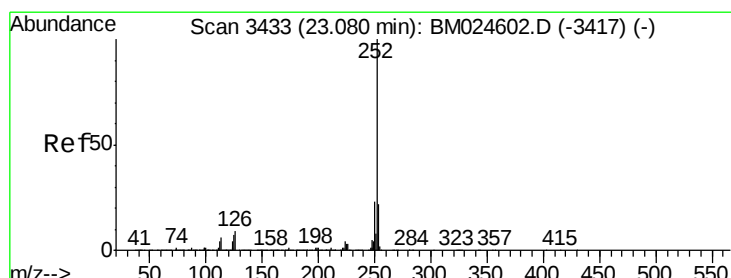
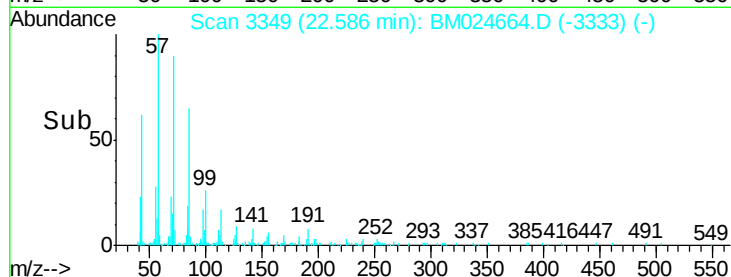
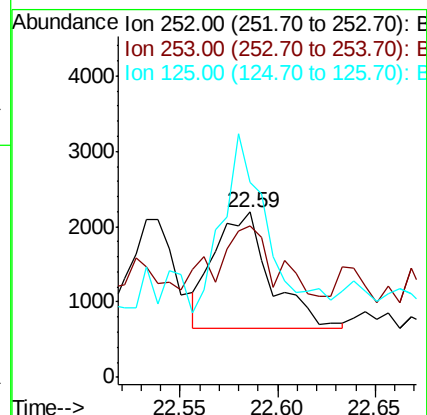
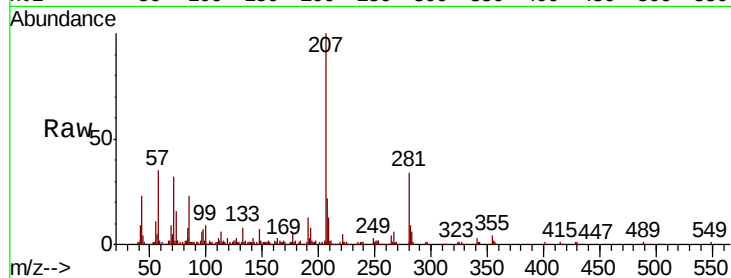
Tot Ion:252 Resp: 3082

Ion Ratio Lower Upper

252 100

253 92.1 17.3 25.9#

125 118.5 5.2 7.8#



#90

Benzo(a)pyrene

Concen: 0.017 ng

RT: 23.06 min Scan# 3430

Delta R.T. -0.02 min

Lab File: BM024664.D

Acq: 30 Jan 2020 18:33

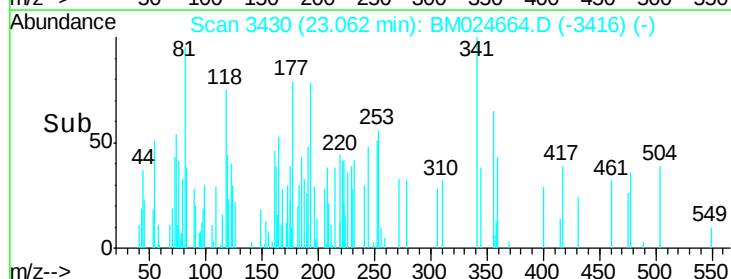
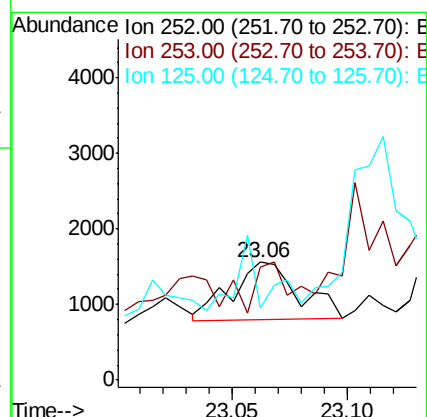
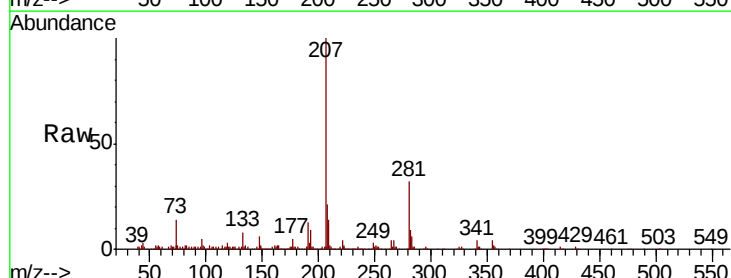
Tgt Ion:252 Resp: 1528

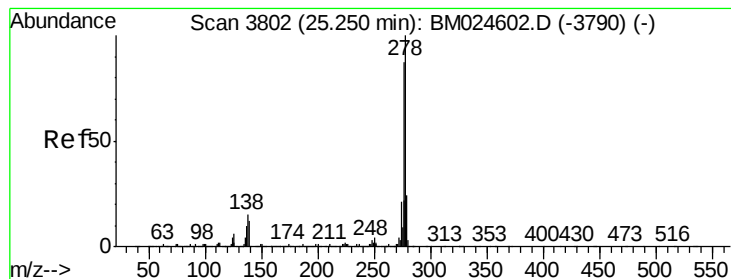
Ion Ratio Lower Upper

252 100

253 96.4 17.3 25.9#

125 61.7 5.8 8.8#





#91

Dibenzo(a,h)anthracene

Concen: 0.008 ng

RT: 25.24 min Scan# 3801

Delta R.T. -0.01 min

Lab File: BM024664.D

Acq: 30 Jan 2020 18:33

Instrument :

BNA_M

ClientSampled :

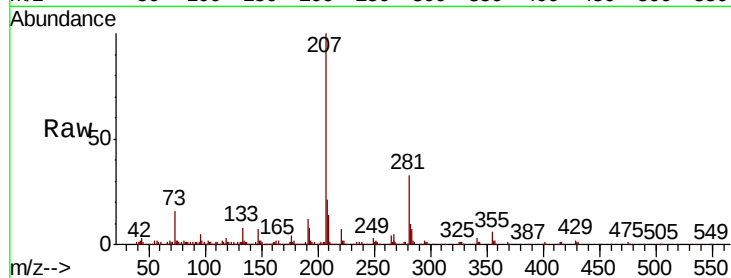
Tot Ion:278 Resp: 665

Ion Ratio Lower Upper

278 100

139 32.6 9.3 13.9#

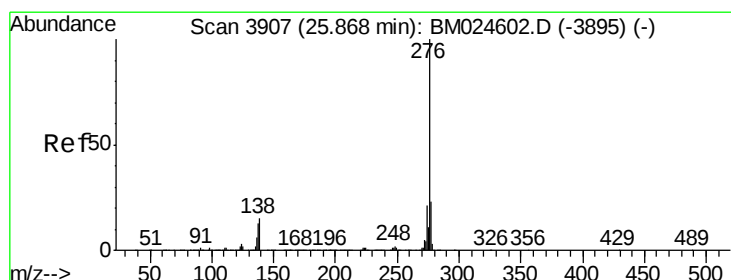
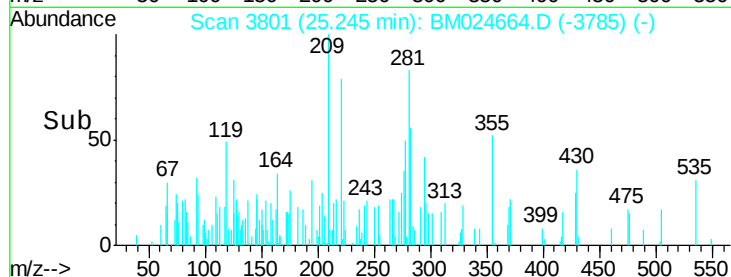
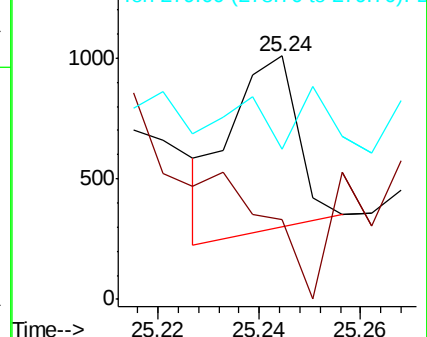
279 61.6 18.9 28.3#



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



#92

Benzo(g,h,i)perylene

Concen: 0.034 ng

RT: 25.84 min Scan# 3902

Delta R.T. -0.03 min

Lab File: BM024664.D

Acq: 30 Jan 2020 18:33

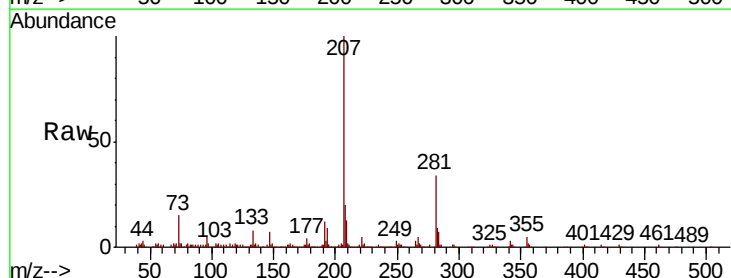
Tgt Ion:276 Resp: 2563

Ion Ratio Lower Upper

276 100

277 0.0 18.6 28.0#

138 0.0 11.9 17.9#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

