

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM013020\
 Data File : BM024667.D
 Acq On : 30 Jan 2020 20:20
 Operator : CG/JU
 Sample : L1318-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jan 30 23:24:30 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	162290	20.00	ng	-0.02
21) Naphthalene-d8	10.19	136	585106	20.00	ng	-0.02
39) Acenaphthene-d10	14.08	164	388343	20.00	ng	-0.01
64) Phenanthrene-d10	16.83	188	906065	20.00	ng	-0.01
76) Chrysene-d12	21.04	240	1089265	20.00	ng	-0.02
87) Perylene-d12	23.15	264	1307355	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.07	112	785874	92.09	ng	-0.01
7) Phenol-d6	6.63	99	982370	83.57	ng	-0.02
23) Nitrobenzene-d5	8.56	82	634627	53.19	ng	-0.02
42) 2,4,6-Tribromophenol	15.58	330	594645	94.13	ng	-0.01
45) 2-Fluorobiphenyl	12.69	172	1631723	57.12	ng	-0.02
79) Terphenyl-d14	19.49	244	3123099	53.53	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.08	88	119	0.035	ng	# 1
3) Pyridine	3.44	79	422	0.043	ng	# 8
4) n-Nitrosodimethylamine	3.36	42	165	0.038	ng	# 1
9) Benzaldehyde	6.63	77	2332	0.336	ng	# 4
10) Phenol	6.65	94	10734	0.916	ng	# 86
13) 1,4-Dichlorobenzene	7.46	146	112	0.009	ng	# 24
24) Nitrobenzene	8.60	77	113	0.010	ng	# 41
25) Isophorone	9.19	82	242	0.012	ng	# 64
31) Naphthalene	10.24	128	544	0.018	ng	# 69
46) 1,1'-Biphenyl	12.90	154	3719	0.127	ng	# 80
49) Acenaphthylene	13.79	152	1295	0.036	ng	# 61
50) Dimethylphthalate	13.55	163	73962	2.355	ng	# 99
52) Acenaphthene	14.14	154	242	0.011	ng	# 74
55) Dibenzofuran	14.47	168	118	0.003	ng	# 45
58) Fluorene	15.14	166	451	0.015	ng	# 77
60) Diethylphthalate	14.94	149	114	0.004	ng	# 58
63) Azobenzene	15.49	77	229	0.008	ng	# 49
71) Phenanthrene	16.87	178	14186	0.289	ng	# 95
72) Anthracene	16.96	178	3379	0.070	ng	# 91
73) Carbazole	17.24	167	1713	0.039	ng	# 60
74) Di-n-butylphthalate	17.83	149	2543	0.046	ng	# 70
75) Fluoranthene	18.90	202	34544	0.564	ng	# 96
78) Pyrene	19.26	202	34305	0.478	ng	# 98
80) Butylbenzylphthalate	20.20	149	1793	0.060	ng	# 45
81) Benzo(a)anthracene	21.03	228	28700	0.380	ng	# 98
82) 3,3'-Dichlorobenzidine	20.98	252	584	0.021	ng	# 69
83) Chrysene	21.08	228	23041	0.319	ng	# 95
84) Bis(2-ethylhexyl)phthalate	21.00	149	7223	0.162	ng	# 93
85) Di-n-octyl phthalate	21.84	149	1326	0.018	ng	# 75
86) Indeno(1,2,3-cd)pyrene	25.21	276	17162	0.218	ng	# 55
88) Benzo(b)fluoranthene	22.53	252	29282	0.345	ng	# 84
89) Benzo(k)fluoranthene	22.53	252	29282	0.354	ng	# 83
90) Benzo(a)pyrene	23.06	252	22586	0.293	ng	# 92
91) Dibenzo(a,h)anthracene	25.21	278	5399	0.074	ng	# 48

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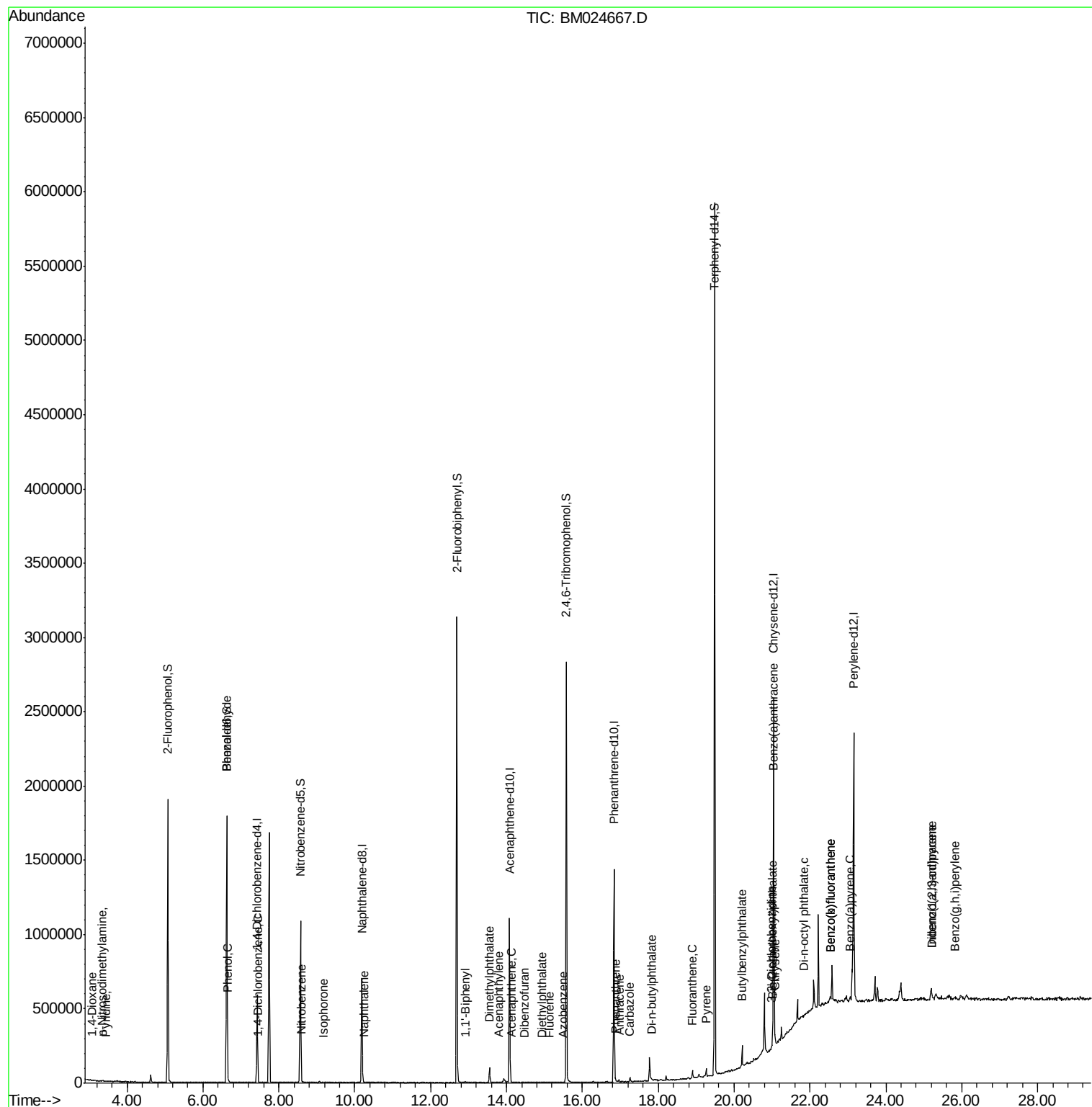
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) Benzo(q,h,i)perylene	25.83	276	17127	0.258	ng	97

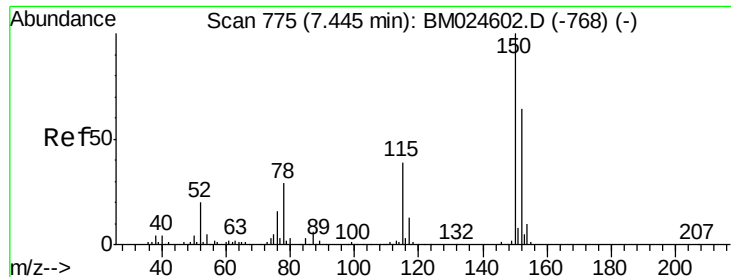
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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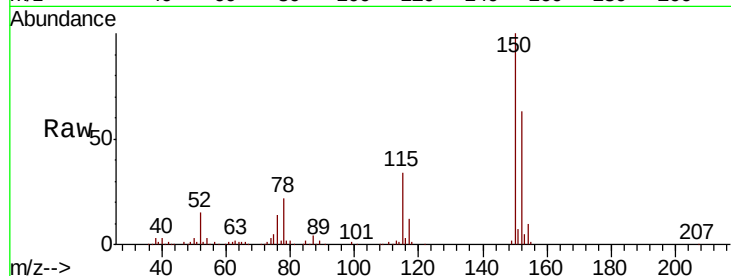


#1

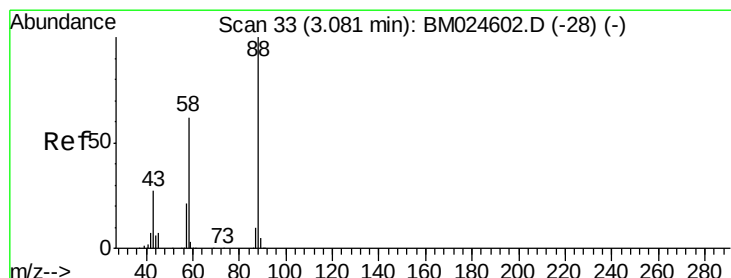
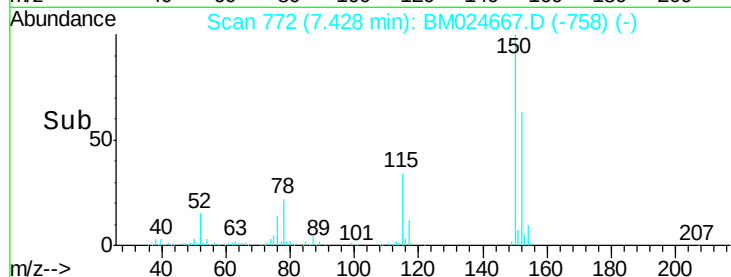
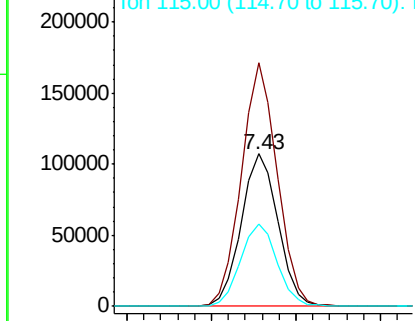
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.43 min Scan# 772
Delta R.T. -0.02 min
Lab File: BM024667.D
Acq: 30 Jan 2020 20:20

Instrument :
BNA_M
ClientSampleId :

Tot Ion:152 Resp: 162290
Ion Ratio Lower Upper
152 100
150 159.9 124.2 186.4
115 53.7 48.6 72.8



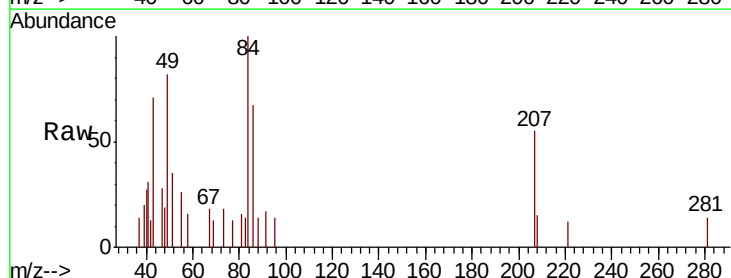
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



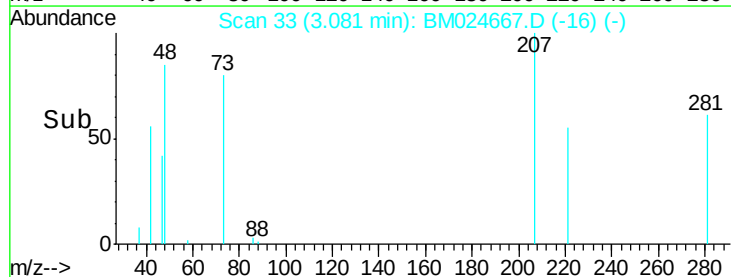
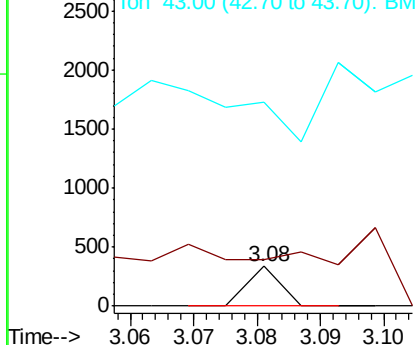
#2

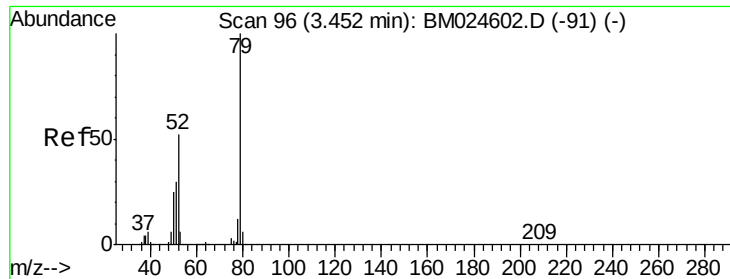
1,4-Dioxane
Concen: 0.035 ng
RT: 3.08 min Scan# 33
Delta R.T. -0.00 min
Lab File: BM024667.D
Acq: 30 Jan 2020 20:20

Tgt Ion: 88 Resp: 119
Ion Ratio Lower Upper
88 100
58 0.0 50.0 75.0#
43 786.6 21.6 32.4#



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





#3

Pvridine

Concen: 0.043 ng

RT: 3.44 min Scan# 94

Delta R.T. -0.01 min

Lab File: BM024667.D

Acq: 30 Jan 2020 20:20

Instrument :

BNA_M

ClientSampleId :

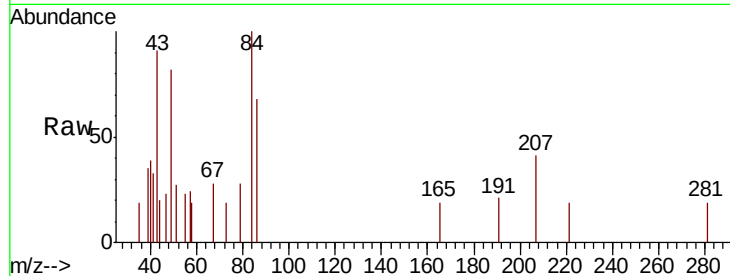
Tot Ion: 79 Resp: 422

Ion Ratio Lower Upper

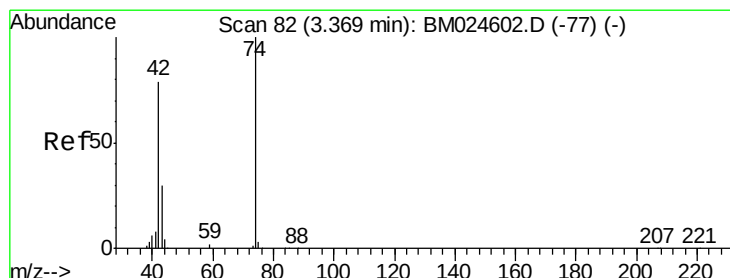
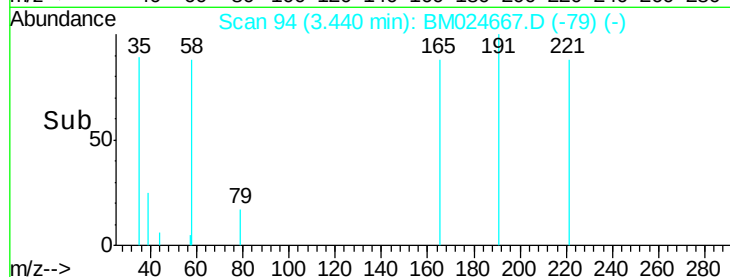
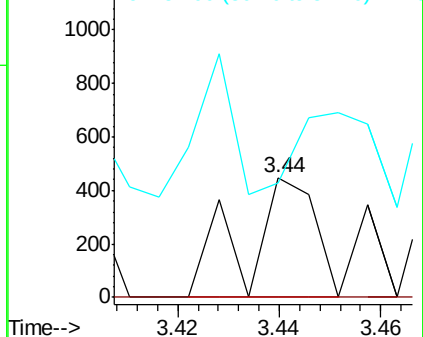
79 100

52 0.0 41.4 62.2#

51 96.2 23.8 35.8#



Abundance Ion 79.00 (78.70 to 79.70): BM0
Ion 52.00 (51.70 to 52.70): BM0
Ion 51.00 (50.70 to 51.70): BM0



#4

n-Nitrosodimethylamine

Concen: 0.038 ng

RT: 3.36 min Scan# 80

Delta R.T. -0.01 min

Lab File: BM024667.D

Acq: 30 Jan 2020 20:20

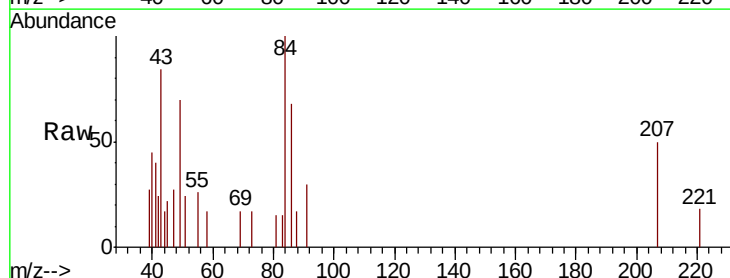
Tgt Ion: 42 Resp: 165

Ion Ratio Lower Upper

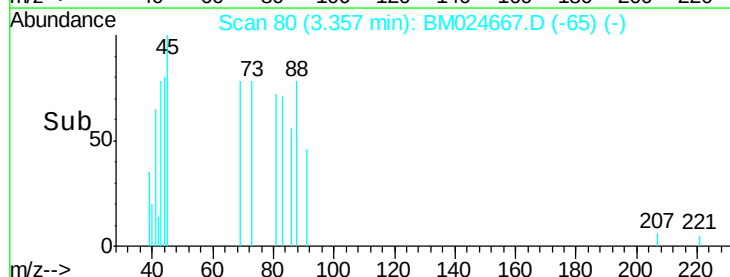
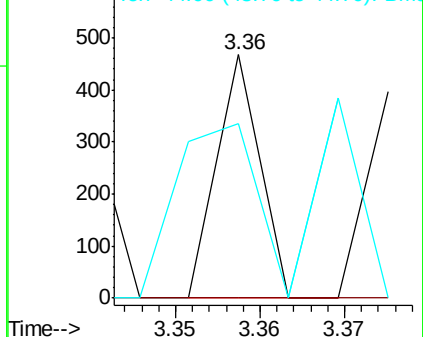
42 100

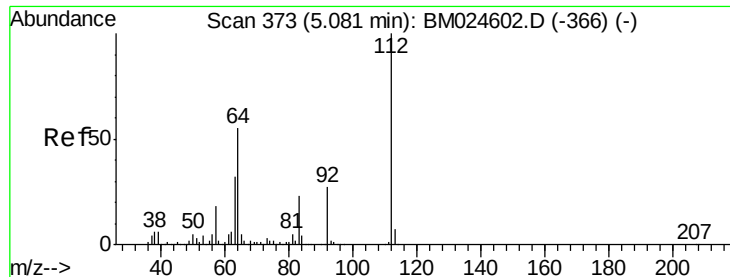
74 0.0 101.4 152.2#

44 71.6 4.6 6.8#



Abundance Ion 42.00 (41.70 to 42.70): BM0
Ion 74.00 (73.70 to 74.70): BM0
Ion 44.00 (43.70 to 44.70): BM0





#5

2-Fluorophenol

Concen: 92.091 ng

RT: 5.07 min Scan# 371

Delta R.T. -0.01 min

Lab File: BM024667.D

Acq: 30 Jan 2020 20:20

Instrument :

BNA_M

ClientSampleId :

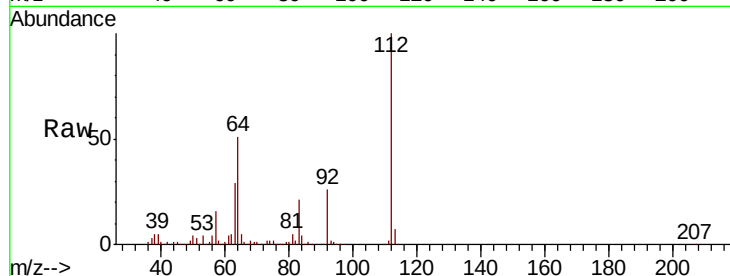
Tot Ion:112 Resp: 785874

Ion Ratio Lower Upper

112 100

64 51.2 44.2 66.4

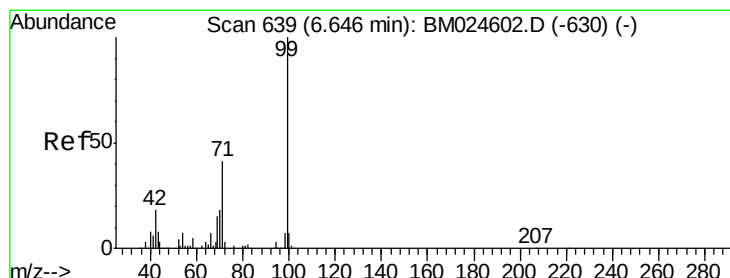
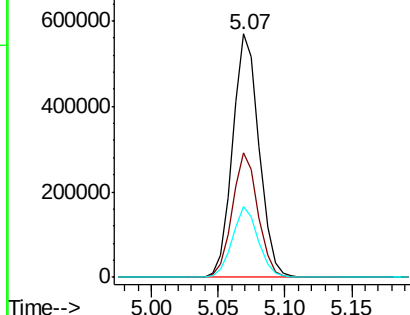
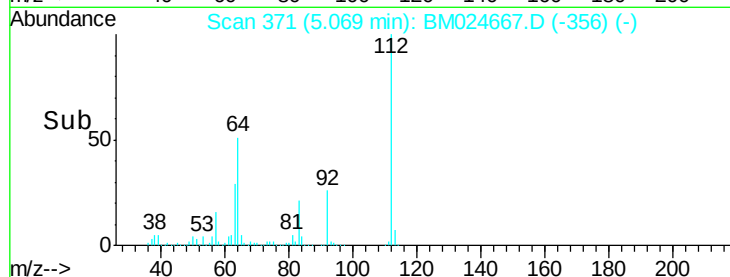
63 29.0 25.9 38.9



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#7

Phenol-d6

Concen: 83.565 ng

RT: 6.63 min Scan# 636

Delta R.T. -0.02 min

Lab File: BM024667.D

Acq: 30 Jan 2020 20:20

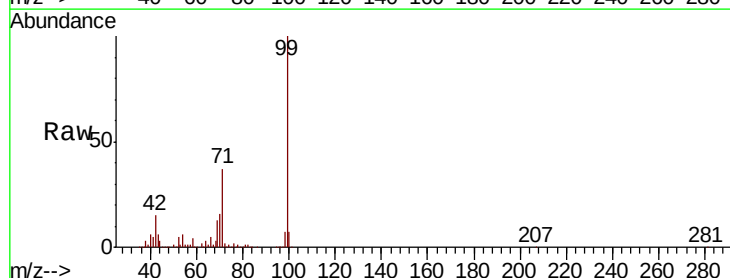
Tgt Ion: 99 Resp: 982370

Ion Ratio Lower Upper

99 100

42 14.6 14.1 21.1

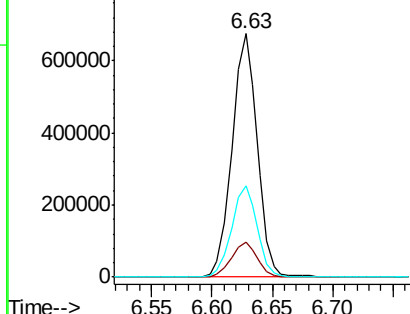
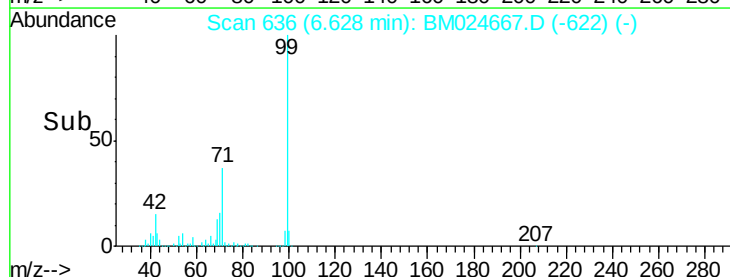
71 37.4 33.0 49.6

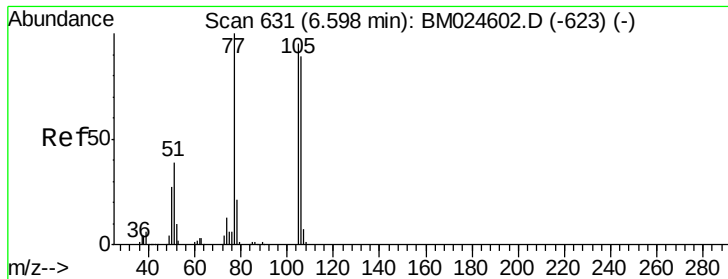


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B





#9

Benzaldehyde

Concen: 0.336 ng

RT: 6.63 min Scan# 637

Delta R.T. 0.04 min

Lab File: BM024667.D

Acq: 30 Jan 2020 20:20

Instrument :

BNA_M

ClientSampleId :

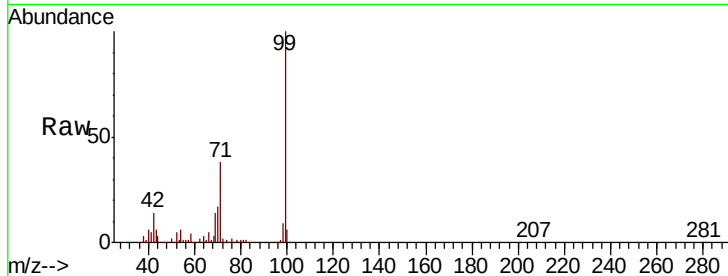
Tot Ion: 77 Resp: 2332

Ion Ratio Lower Upper

77 100

105 0.0 75.2 115.2#

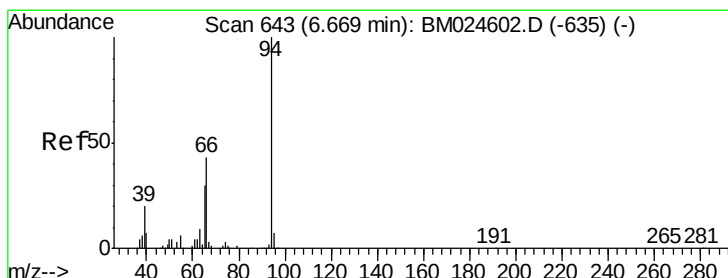
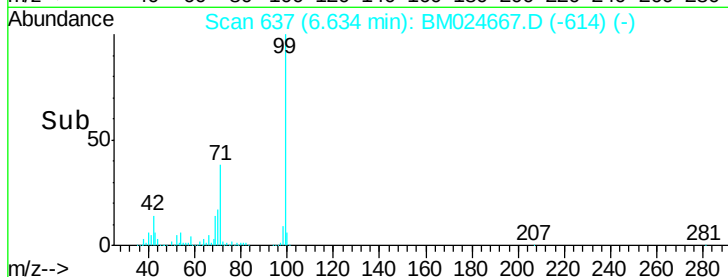
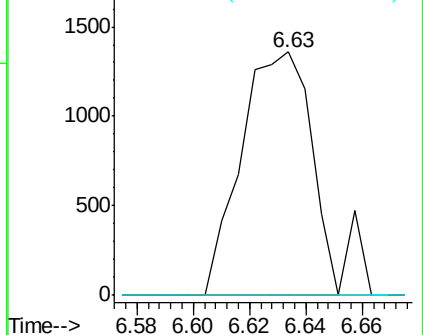
106 0.0 68.6 108.6#



Abundance Ion 77.00 (76.70 to 77.70): BM024667.D (-614) (-)

Ion 105.00 (104.70 to 105.70): BM024667.D (-614) (-)

Ion 106.00 (105.70 to 106.70): BM024667.D (-614) (-)



#10

Phenol

Concen: 0.916 ng

RT: 6.65 min Scan# 640

Delta R.T. -0.02 min

Lab File: BM024667.D

Acq: 30 Jan 2020 20:20

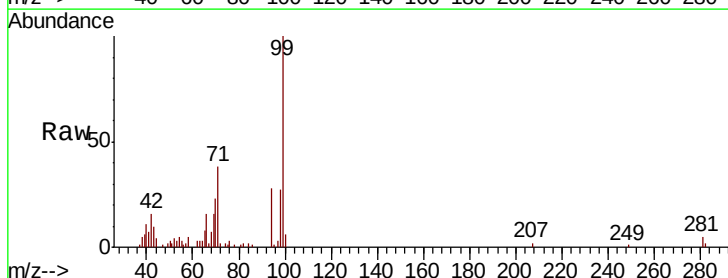
Tgt Ion: 94 Resp: 10734

Ion Ratio Lower Upper

94 100

65 28.1 10.3 50.3

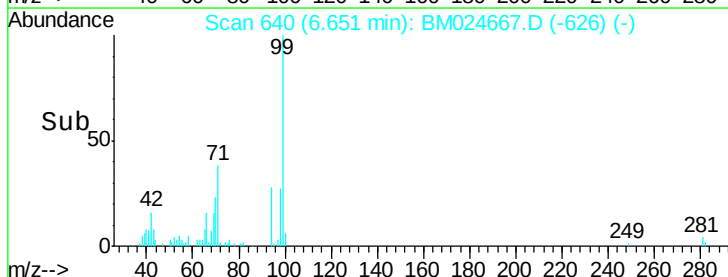
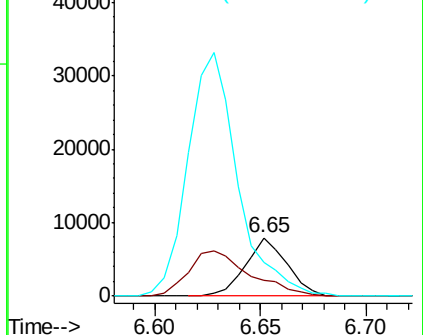
66 58.0 24.8 64.8

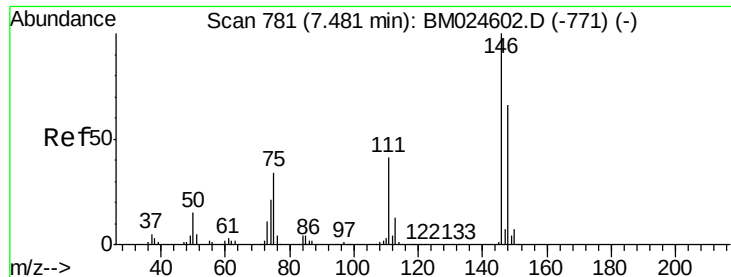


Abundance Ion 94.00 (93.70 to 94.70): BM024667.D (-626) (-)

Ion 65.00 (64.70 to 65.70): BM024667.D (-626) (-)

Ion 66.00 (65.70 to 66.70): BM024667.D (-626) (-)

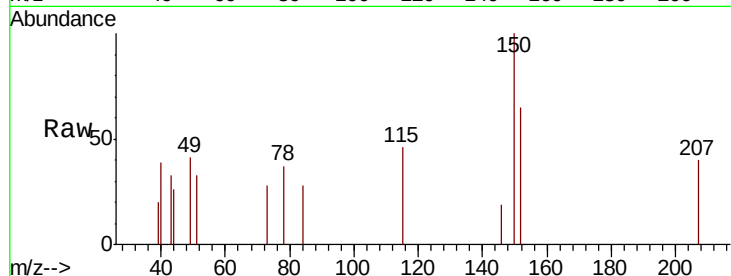




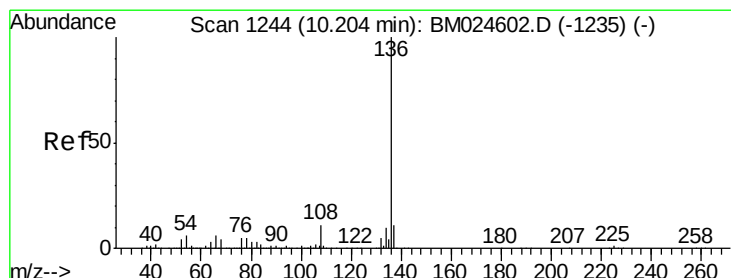
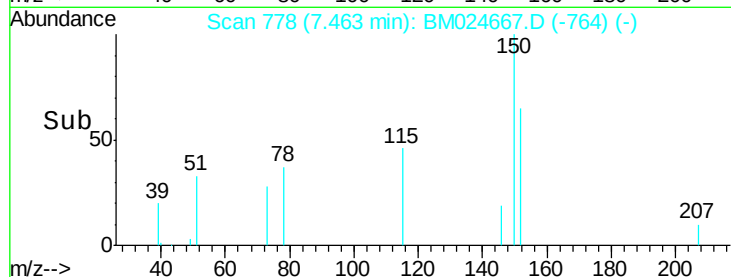
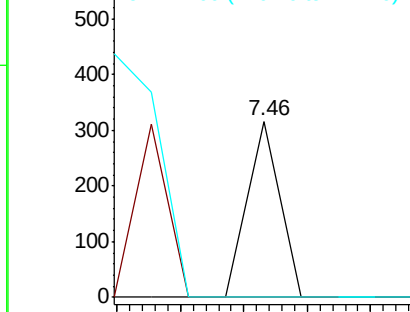
#13
1,4-Dichlorobenzene
Concen: 0.009 ng
RT: 7.46 min Scan# 778
Delta R.T. -0.02 min
Lab File: BM024667.D
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Tot Ion:146 Resp: 112
Ion Ratio Lower Upper
146 100
148 0.0 52.5 78.7#
111 0.0 33.0 49.4#

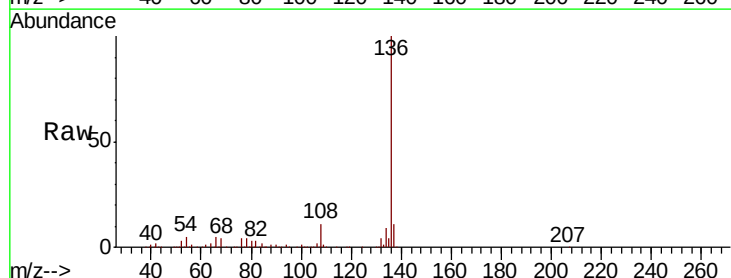


Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E

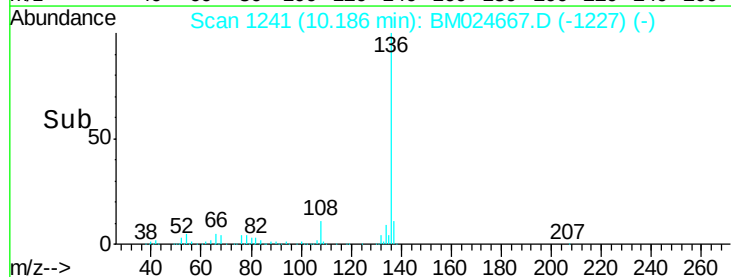
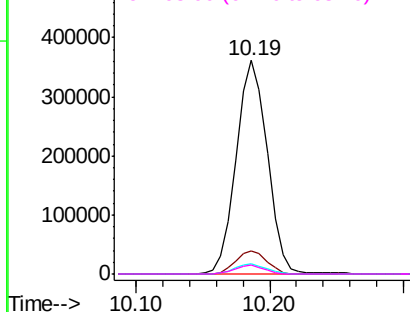


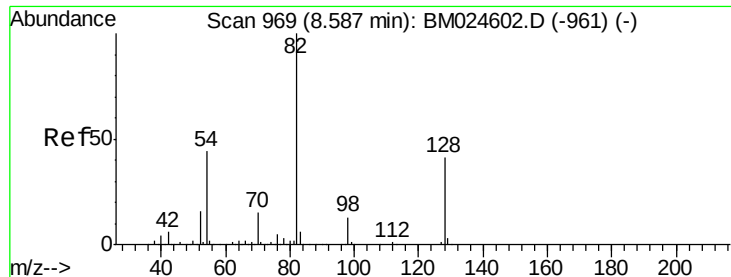
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.19 min Scan# 1241
Delta R.T. -0.02 min
Lab File: BM024667.D
Acq: 30 Jan 2020 20:20

Tgt Ion:136 Resp: 585106
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 4.9 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): BM0
Ion 68.00 (67.70 to 68.70): BM0

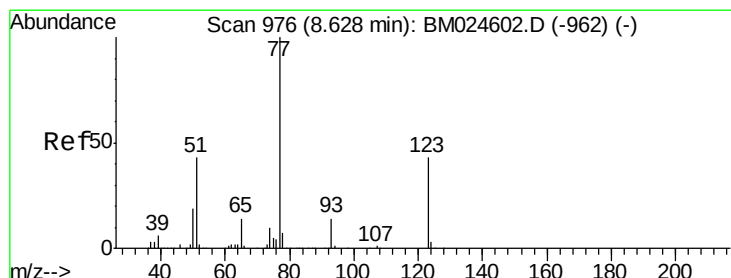
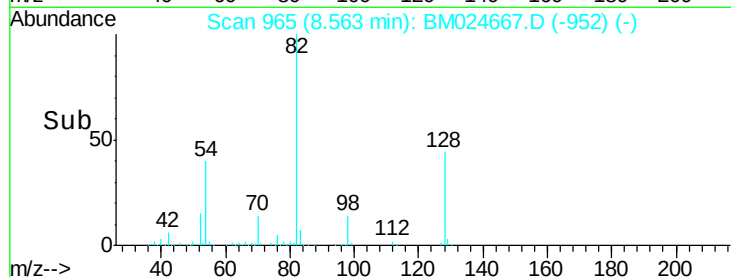
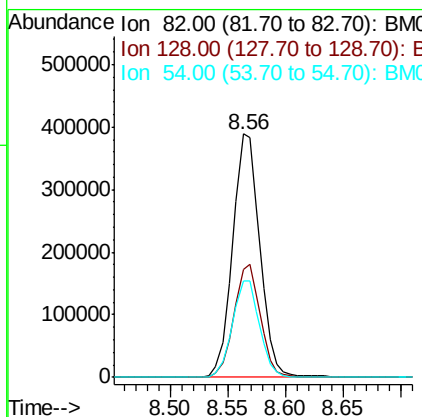
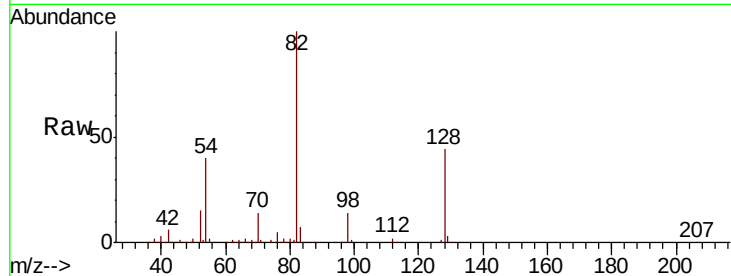




#23
 Nitrobenzene-d5
 Concen: 53.192 ng
 RT: 8.56 min Scan# 965
 Delta R.T. -0.02 min
 Lab File: BM024667.D
 Acq: 30 Jan 2020 20:20

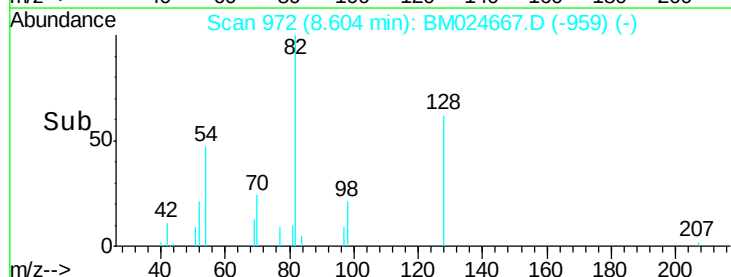
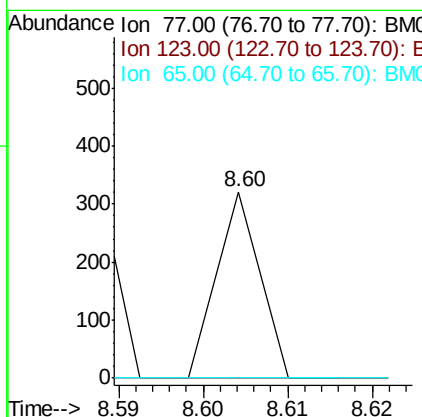
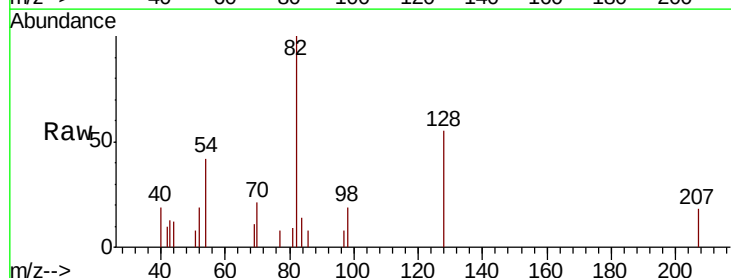
Instrument :
 BNA_M
 ClientSampleId :

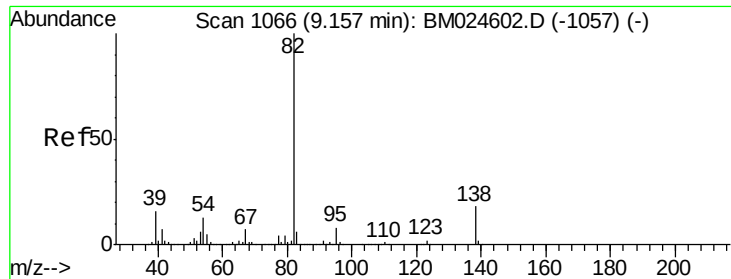
Tot Ion	82	Resp	634627
Ion Ratio	Lower	Upper	
82	100		
128	44.4	32.6	48.8
54	39.7	34.8	52.2



#24
 Nitrobenzene
 Concen: 0.010 ng
 RT: 8.60 min Scan# 972
 Delta R.T. -0.02 min
 Lab File: BM024667.D
 Acq: 30 Jan 2020 20:20

Tgt Ion	77	Resp	113
Ion Ratio	Lower	Upper	
77	100		
123	0.0	34.6	52.0#
65	0.0	11.0	16.4#





#25

Isophorone

Concen: 0.012 ng

RT: 9.19 min Scan# 1071

Delta R.T. 0.03 min

Lab File: BM024667.D

Acq: 30 Jan 2020 20:20

Instrument :

BNA_M

ClientSampleId :

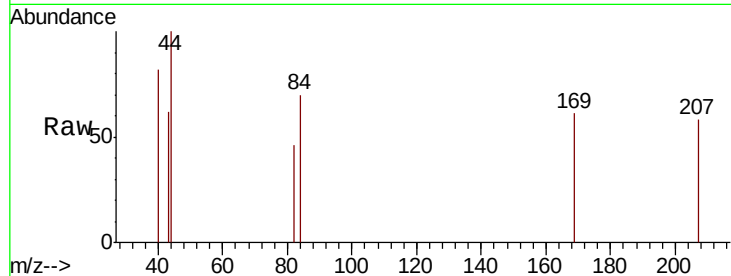
Tot Ion: 82 Resp: 242

Ion Ratio Lower Upper

82 100

95 0.0 6.7 10.1#

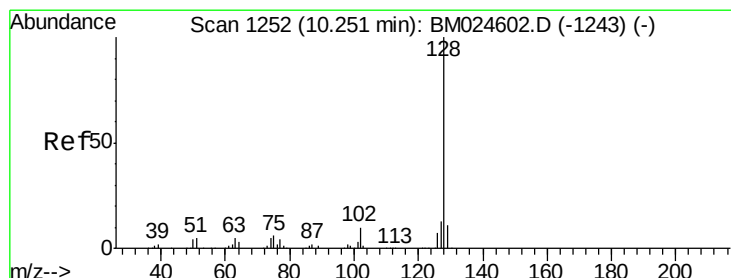
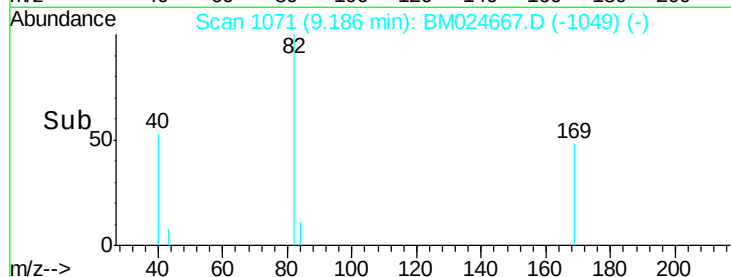
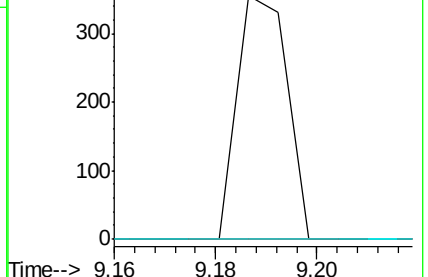
138 0.0 14.7 22.1#



Abundance Ion 82.00 (81.70 to 82.70): BM024667.D (-1049) (-)

Ion 95.00 (94.70 to 95.70): BM024667.D (-1049) (-)

Ion 138.00 (137.70 to 138.70): BM024667.D (-1049) (-)



#31

Naphthalene

Concen: 0.018 ng

RT: 10.24 min Scan# 1250

Delta R.T. -0.01 min

Lab File: BM024667.D

Acq: 30 Jan 2020 20:20

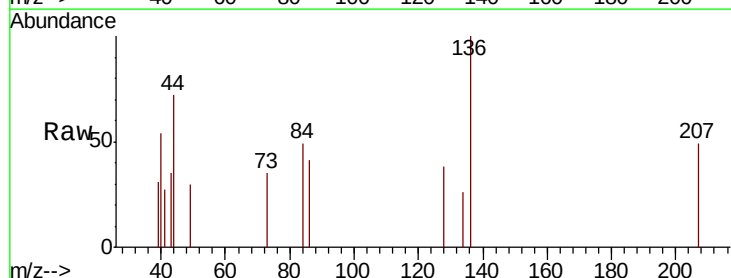
Tgt Ion: 128 Resp: 544

Ion Ratio Lower Upper

128 100

129 0.0 8.8 13.2#

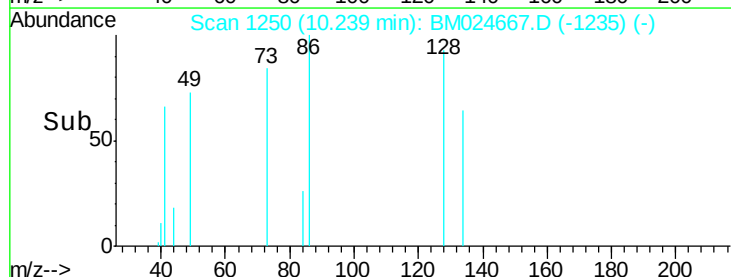
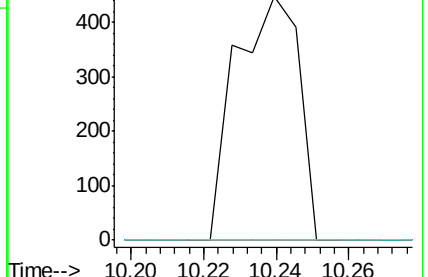
127 0.0 10.6 15.8#

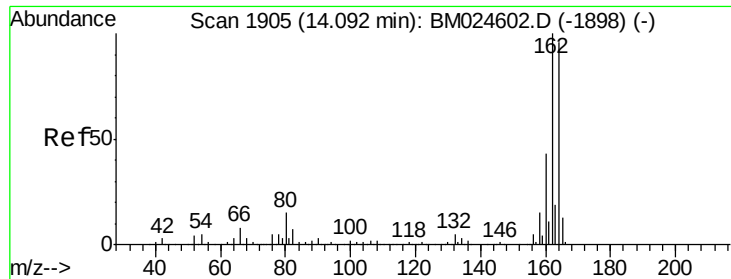


Abundance Ion 128.00 (127.70 to 128.70): BM024667.D (-1235) (-)

Ion 129.00 (128.70 to 129.70): BM024667.D (-1235) (-)

Ion 127.00 (126.70 to 127.70): BM024667.D (-1235) (-)





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.08 min Scan# 1903

Delta R.T. -0.01 min

Lab File: BM024667.D

Acq: 30 Jan 2020 20:20

Instrument :

BNA_M

ClientSampleId :

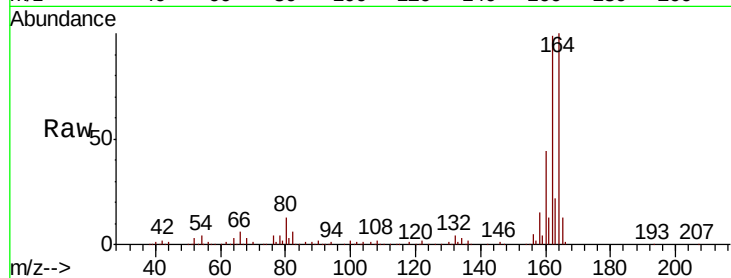
Tot Ion:164 Resp: 388343

Ion Ratio Lower Upper

164 100

162 98.5 82.9 124.3

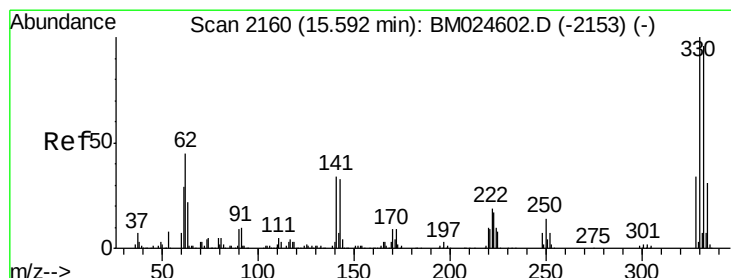
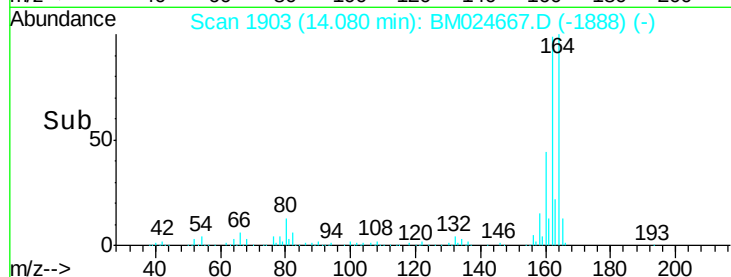
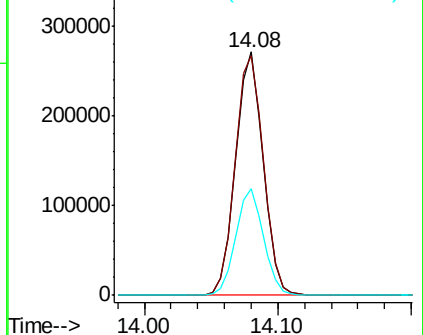
160 43.8 35.5 53.3



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: 94.135 ng

RT: 15.58 min Scan# 2158

Delta R.T. -0.01 min

Lab File: BM024667.D

Acq: 30 Jan 2020 20:20

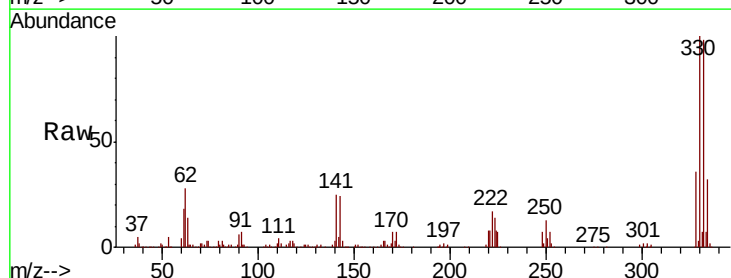
Tgt Ion:330 Resp: 594645

Ion Ratio Lower Upper

330 100

332 97.0 77.2 115.8

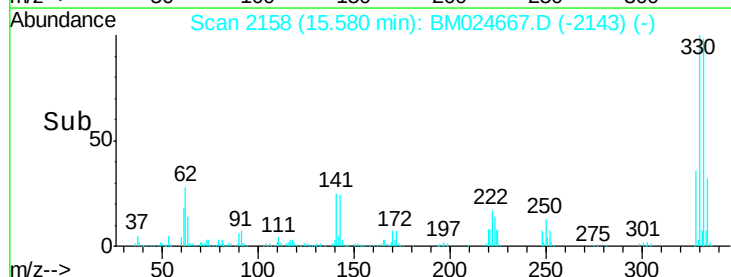
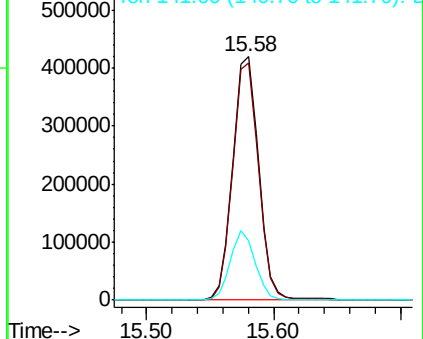
141 27.2 26.9 40.3

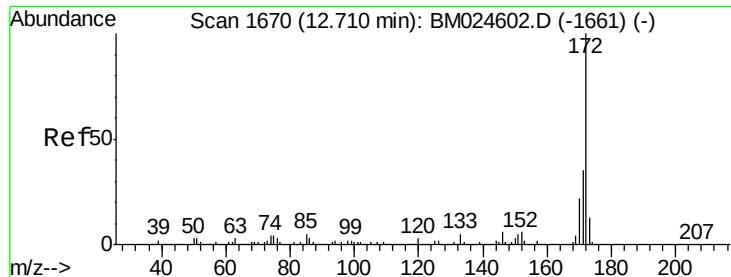


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

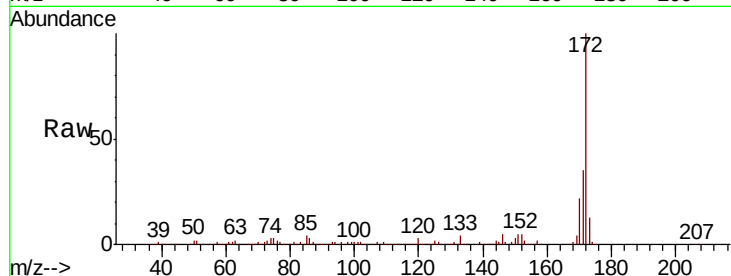




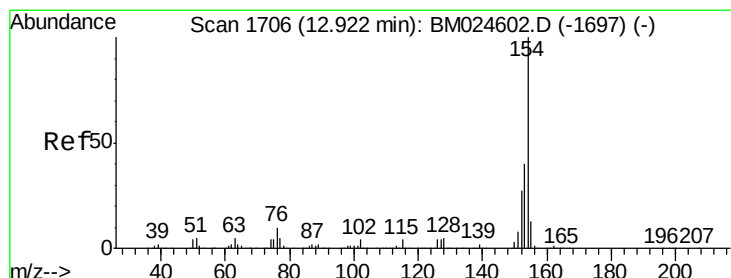
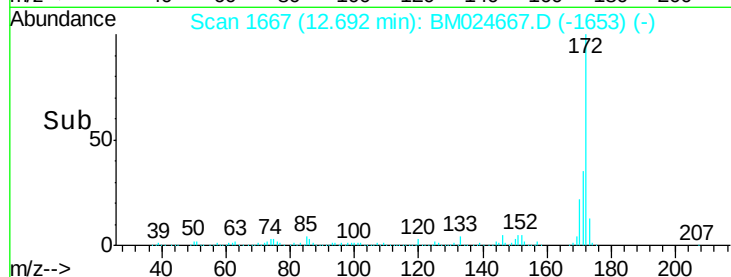
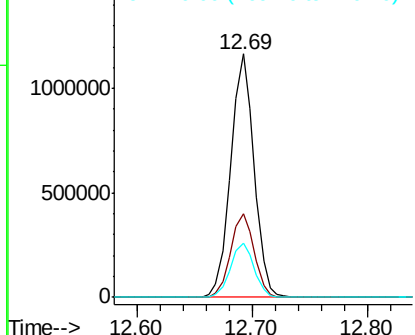
#45
2-Fluorobiphenyl
Concen: 57.123 ng
RT: 12.69 min Scan# 1667
Delta R.T. -0.02 min
Lab File: BM024667.D
Acq: 30 Jan 2020 20:20

Instrument :
BNA_M
ClientSampleId :

Tot Ion:172 Resp: 1631723
Ion Ratio Lower Upper
172 100
171 34.6 28.3 42.5
170 22.5 17.9 26.9

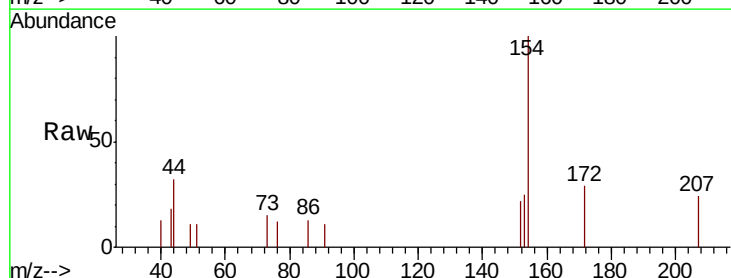


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

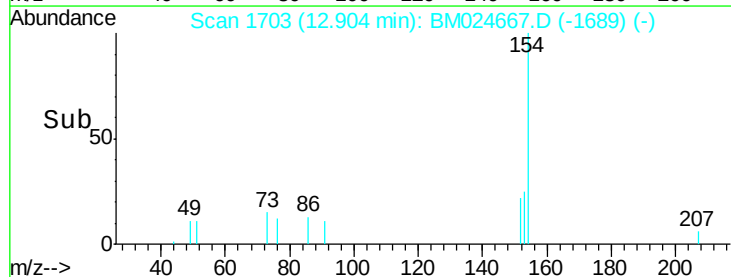
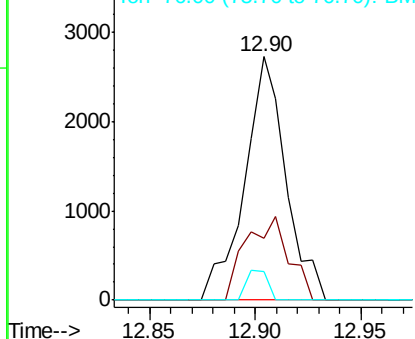


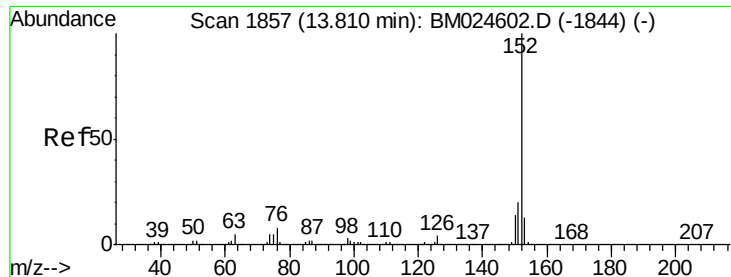
#46
1,1'-Biphenyl
Concen: 0.127 ng
RT: 12.90 min Scan# 1703
Delta R.T. -0.02 min
Lab File: BM024667.D
Acq: 30 Jan 2020 20:20

Tgt Ion:154 Resp: 3719
Ion Ratio Lower Upper
154 100
153 25.3 20.3 60.3
76 11.8 0.0 30.5



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BM0





#49

Acenaphthylene

Concen: 0.036 ng

RT: 13.79 min Scan# 1854

Delta R.T. -0.02 min

Lab File: BM024667.D

Acq: 30 Jan 2020 20:20

Instrument :

BNA_M

ClientSampleId :

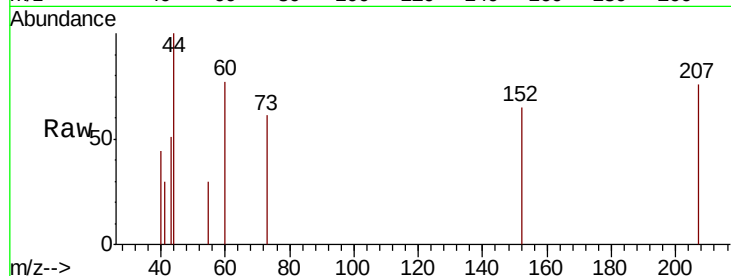
Tot Ion:152 Resp: 1295

Ion Ratio Lower Upper

152 100

151 0.0 15.8 23.6#

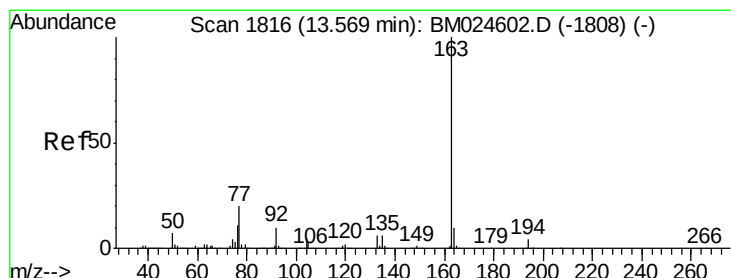
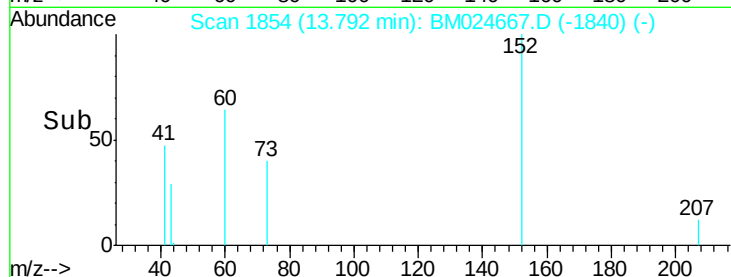
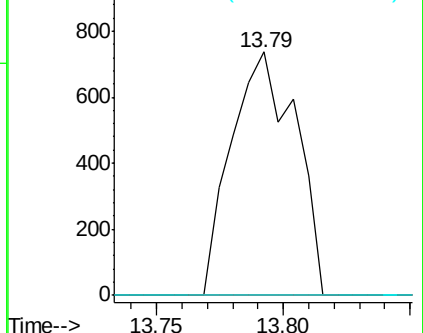
153 0.0 10.4 15.6#



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: 2.355 ng

RT: 13.55 min Scan# 1813

Delta R.T. -0.02 min

Lab File: BM024667.D

Acq: 30 Jan 2020 20:20

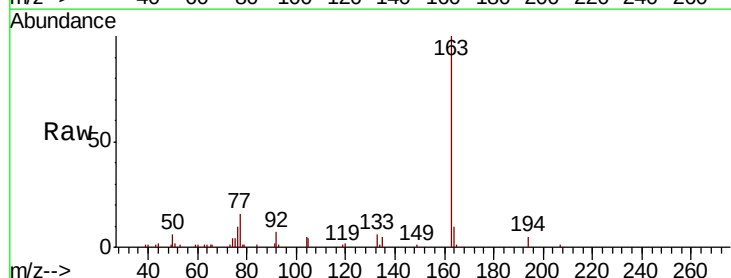
Tgt Ion:163 Resp: 73962

Ion Ratio Lower Upper

163 100

194 5.1 3.4 5.0#

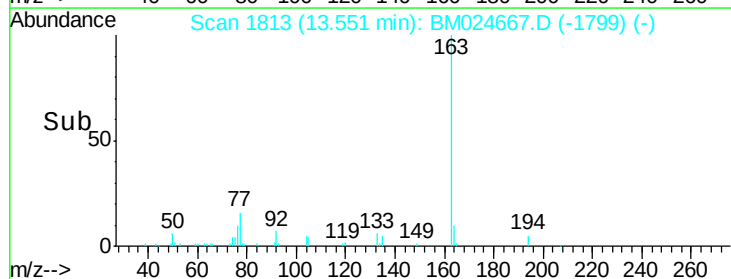
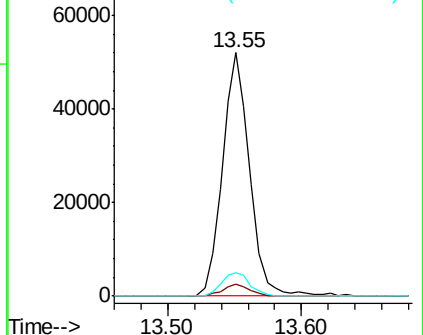
164 9.8 8.0 12.0

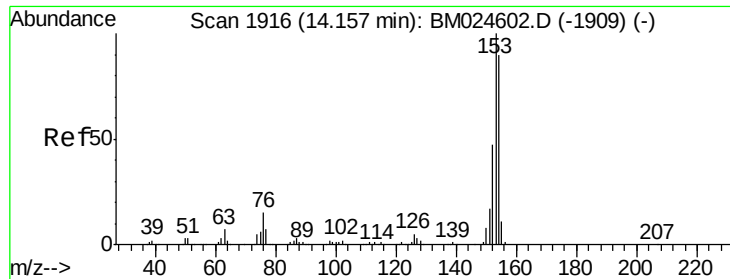


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#52

Acenaphthene

Concen: 0.011 ng

RT: 14.14 min Scan# 1914

Delta R.T. -0.01 min

Lab File: BM024667.D

Acq: 30 Jan 2020 20:20

Instrument :

BNA_M

ClientSampleId :

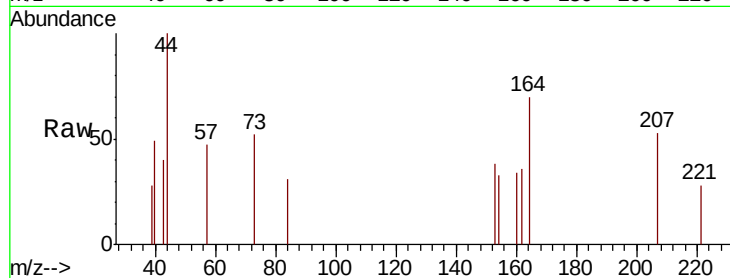
Tot Ion:154 Resp: 242

Ion Ratio Lower Upper

154 100

153 115.1 89.1 133.7

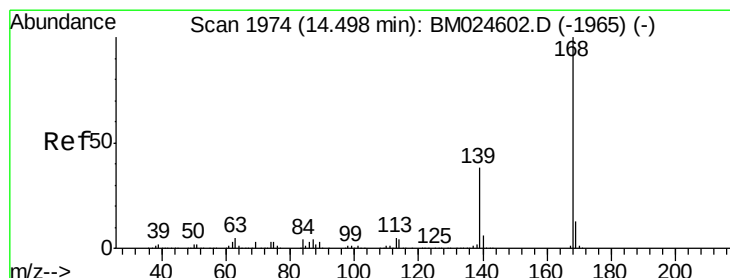
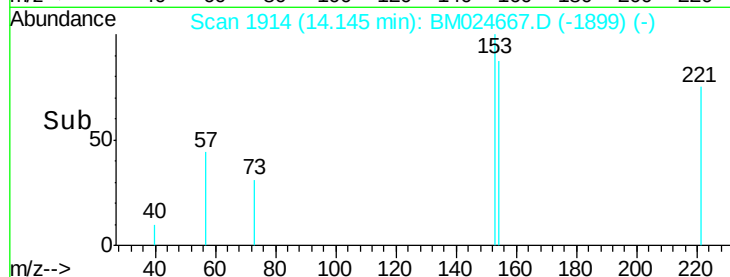
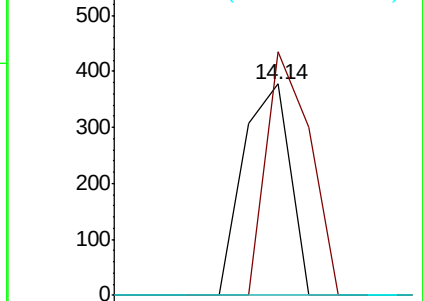
152 0.0 41.9 62.9#



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: 0.003 ng

RT: 14.47 min Scan# 1970

Delta R.T. -0.02 min

Lab File: BM024667.D

Acq: 30 Jan 2020 20:20

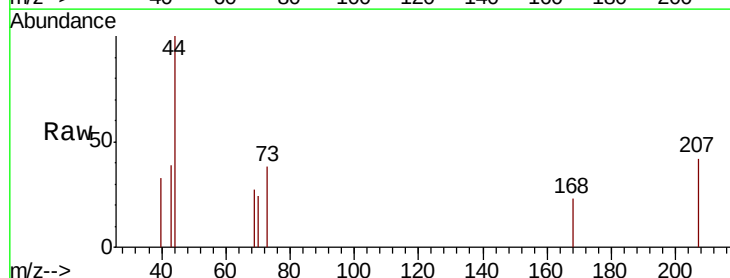
Tgt Ion:168 Resp: 118

Ion Ratio Lower Upper

168 100

139 0.0 30.2 45.4#

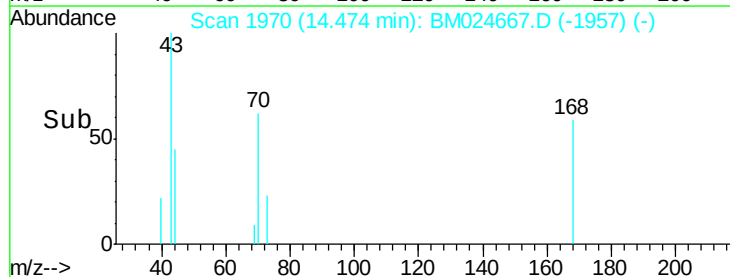
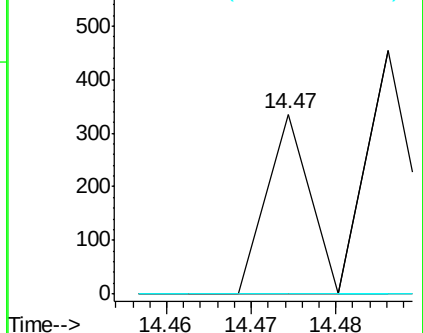
169 0.0 10.7 16.1#

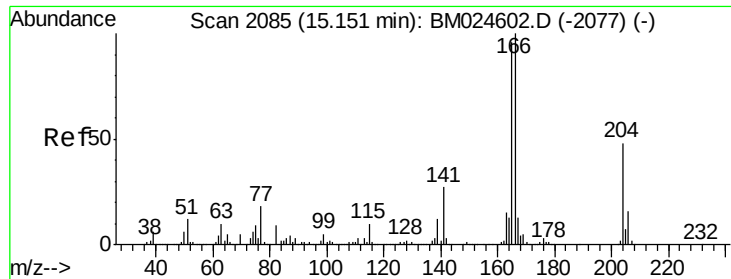


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#58

Fluorene

Concen: 0.015 ng

RT: 15.14 min Scan# 2083

Delta R.T. -0.01 min

Lab File: BM024667.D

Acq: 30 Jan 2020 20:20

Instrument :

BNA_M

ClientSampleId :

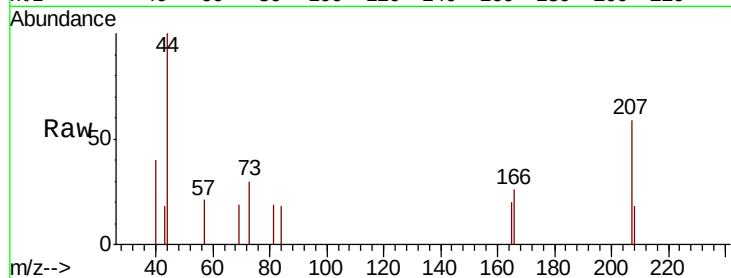
Tot Ion:166 Resp: 451

Ion Ratio Lower Upper

166 100

165 74.4 76.6 114.8#

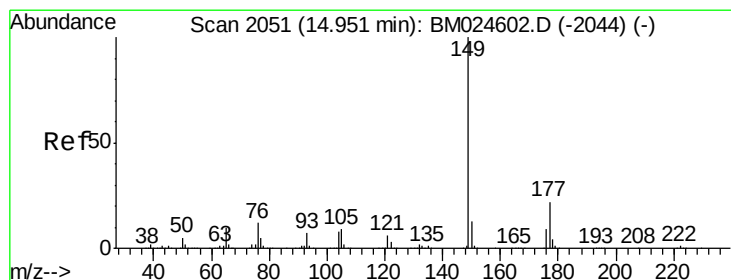
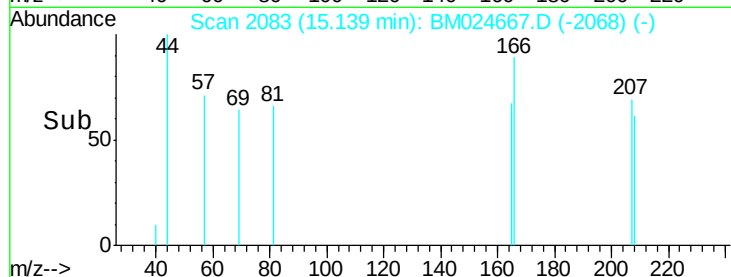
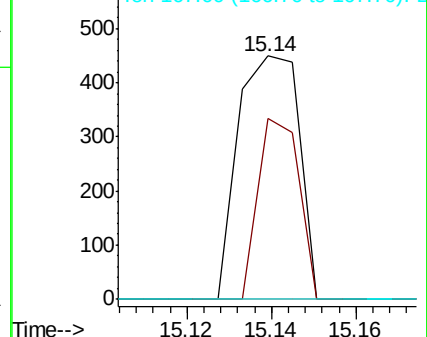
167 0.0 10.8 16.2#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#60

Diethylphthalate

Concen: 0.004 ng

RT: 14.94 min Scan# 2049

Delta R.T. -0.01 min

Lab File: BM024667.D

Acq: 30 Jan 2020 20:20

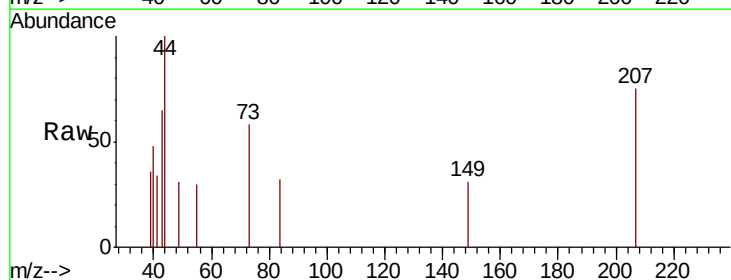
Tgt Ion:149 Resp: 114

Ion Ratio Lower Upper

149 100

177 0.0 18.0 27.0#

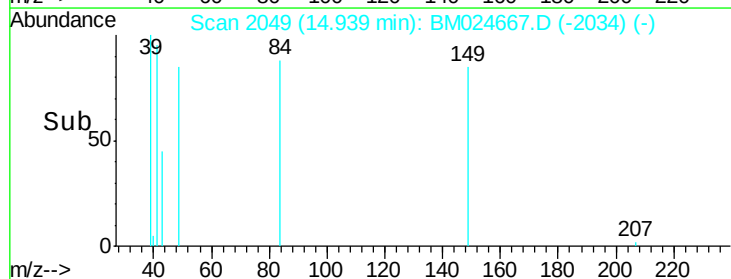
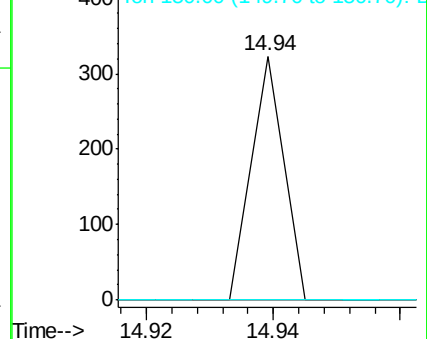
150 0.0 10.2 15.4#

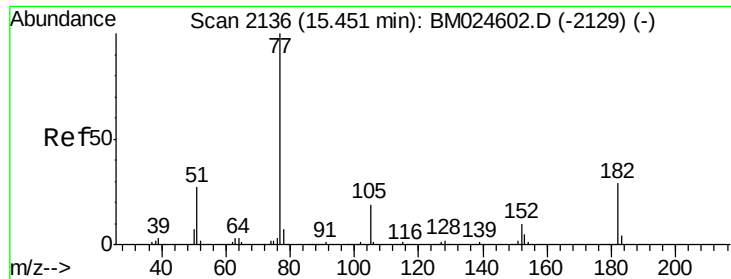


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#63

Azobenzene

Concen: 0.008 ng

RT: 15.49 min Scan# 2143

Delta R.T. 0.04 min

Lab File: BM024667.D

Acq: 30 Jan 2020 20:20

Instrument :

BNA_M

ClientSampleId :

Tot Ion: 77 Resp: 229

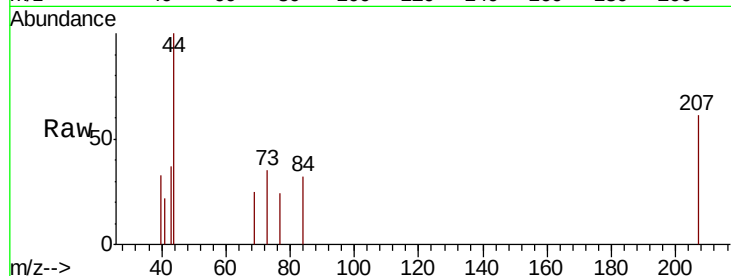
Ion Ratio Lower Upper

77 100

182 0.0 8.7 48.7#

105 0.0 0.0 39.2

51 0.0 7.5 47.5#

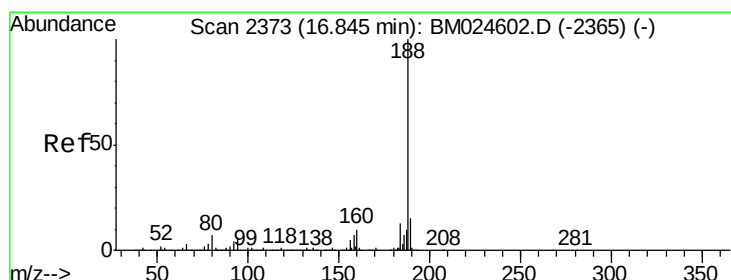
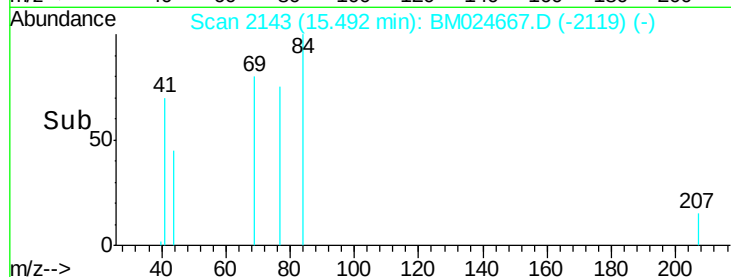
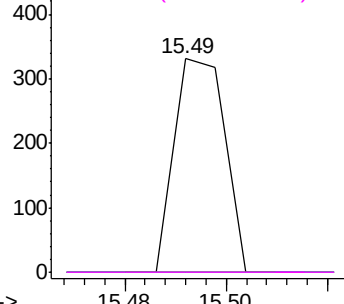


Abundance Ion 77.00 (76.70 to 77.70): BM0

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: BM024667.D

Acq: 30 Jan 2020 20:20

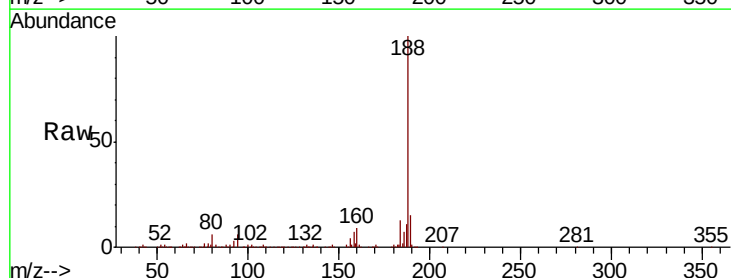
Tgt Ion: 188 Resp: 906065

Ion Ratio Lower Upper

188 100

94 5.6 5.0 7.6

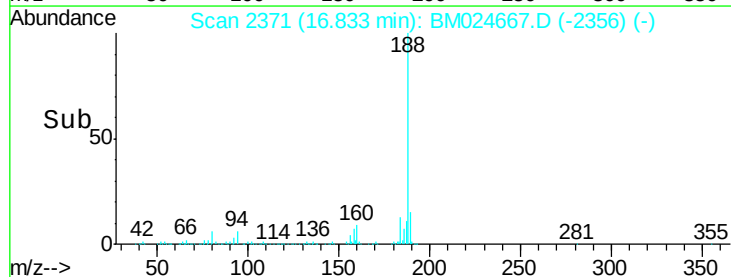
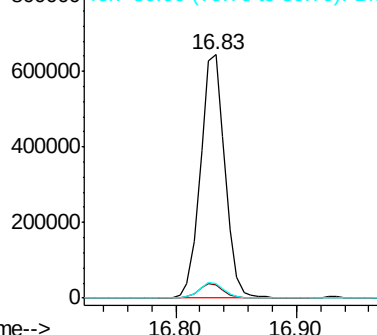
80 6.2 5.8 8.8

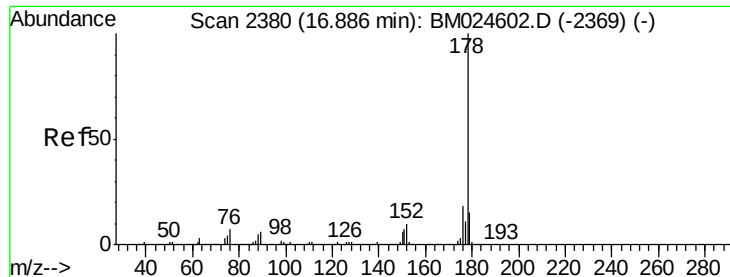


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

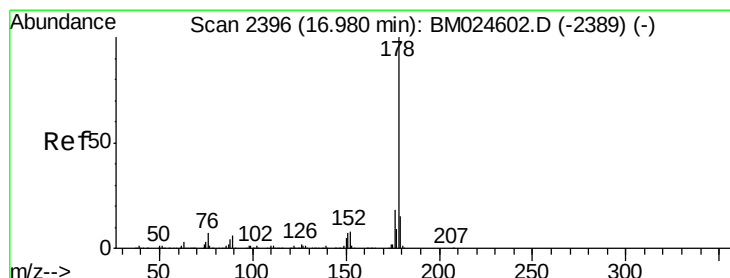
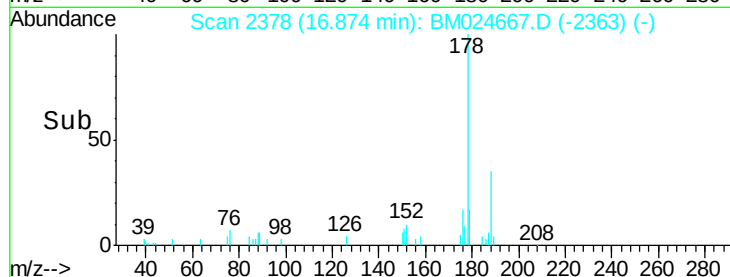
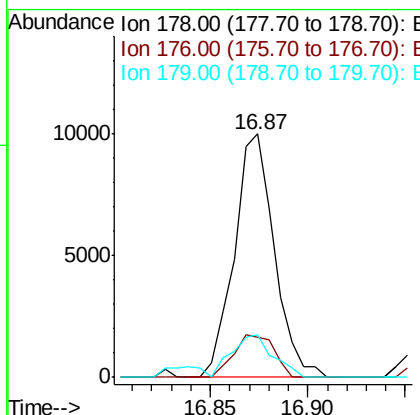
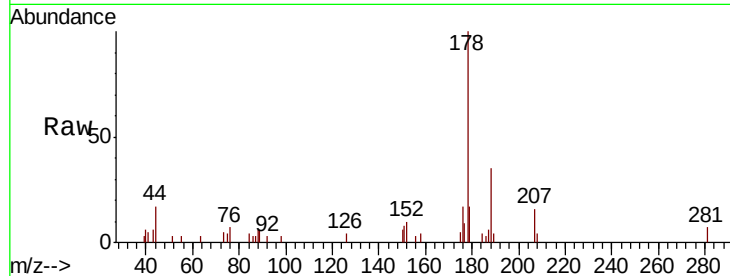




#71
Phenanthrene
Concen: 0.289 ng
RT: 16.87 min Scan# 2378
Delta R.T. -0.01 min
Lab File: BM024667.D
Acq: 30 Jan 2020 20:20

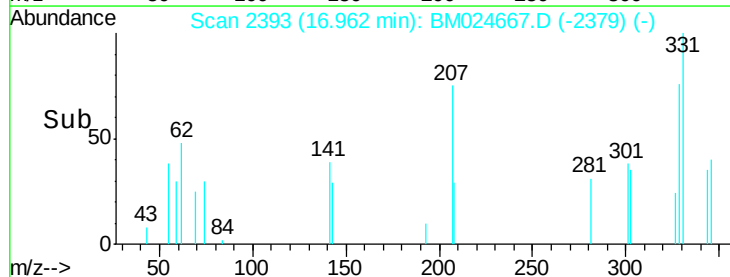
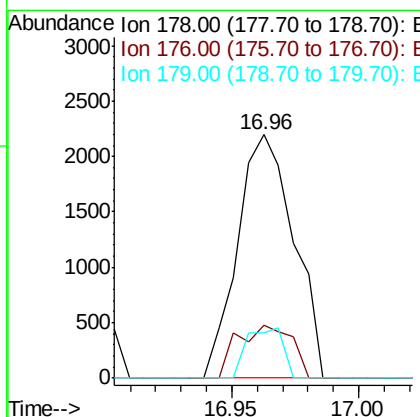
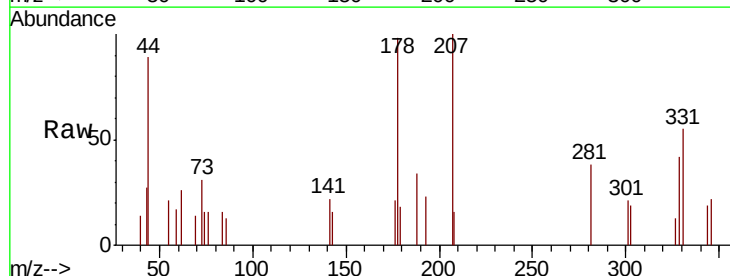
Instrument :
BNA_M
ClientSampled :

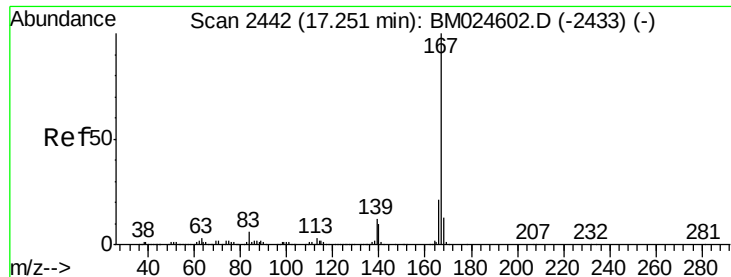
Tot Ion:178 Resp: 14186
Ion Ratio Lower Upper
178 100
176 16.6 14.5 21.7
179 17.5 11.9 17.9



#72
Anthracene
Concen: 0.070 ng
RT: 16.96 min Scan# 2393
Delta R.T. -0.02 min
Lab File: BM024667.D
Acq: 30 Jan 2020 20:20

Tgt Ion:178 Resp: 3379
Ion Ratio Lower Upper
178 100
176 21.7 14.3 21.5#
179 18.7 12.1 18.1#





#73

Carbazole

Concen: 0.039 ng

RT: 17.24 min Scan# 2440

Delta R.T. -0.01 min

Lab File: BM024667.D

Acq: 30 Jan 2020 20:20

Instrument :

BNA_M

ClientSampleId :

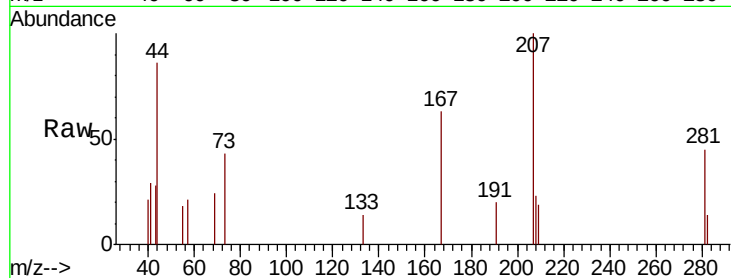
Tot Ion:167 Resp: 1713

Ion Ratio Lower Upper

167 100

166 0.0 17.1 25.7#

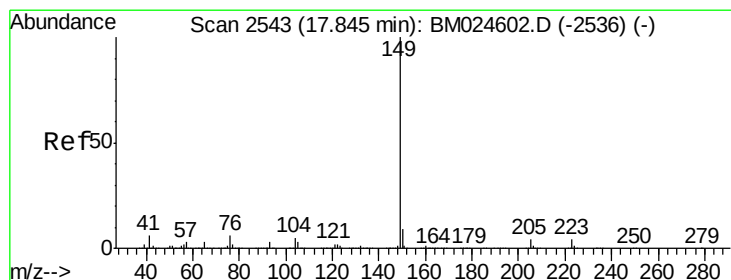
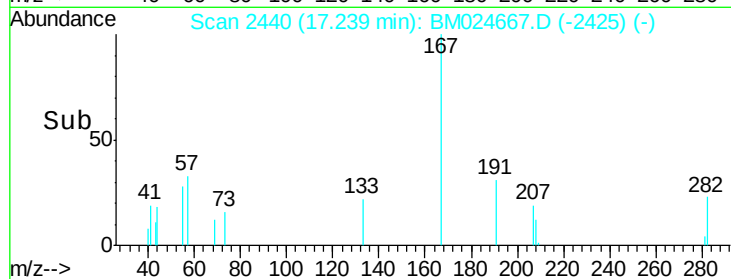
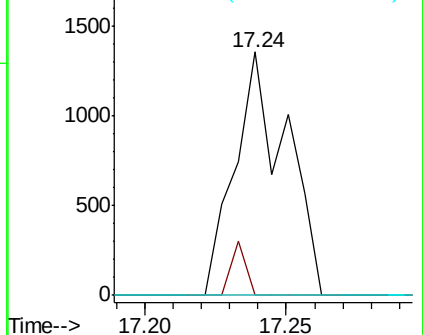
139 0.0 9.8 14.8#



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: 0.046 ng

RT: 17.83 min Scan# 2541

Delta R.T. -0.01 min

Lab File: BM024667.D

Acq: 30 Jan 2020 20:20

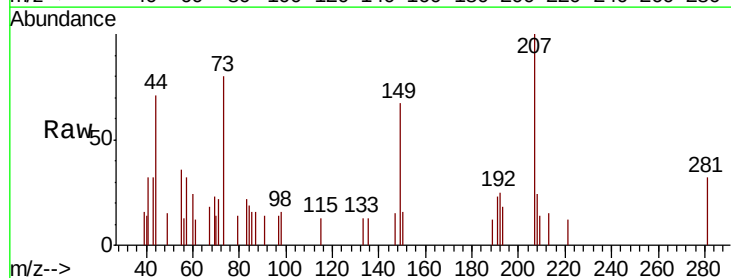
Tgt Ion:149 Resp: 2543

Ion Ratio Lower Upper

149 100

150 23.1 7.4 11.0#

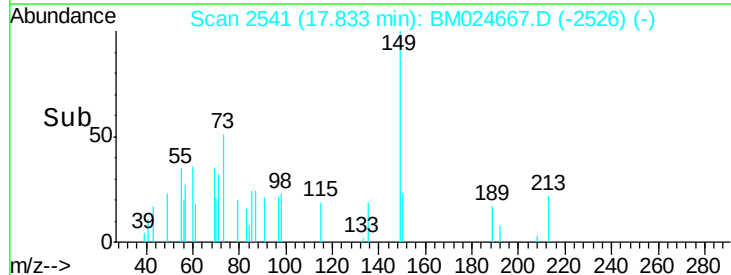
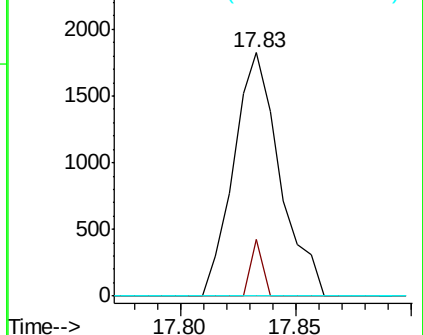
104 0.0 4.3 6.5#

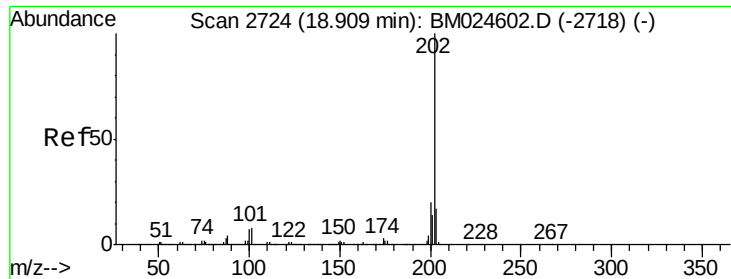


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 0.564 ng

RT: 18.90 min Scan# 2722

Delta R.T. -0.01 min

Lab File: BM024667.D

Acq: 30 Jan 2020 20:20

Instrument :

BNA_M

ClientSampleId :

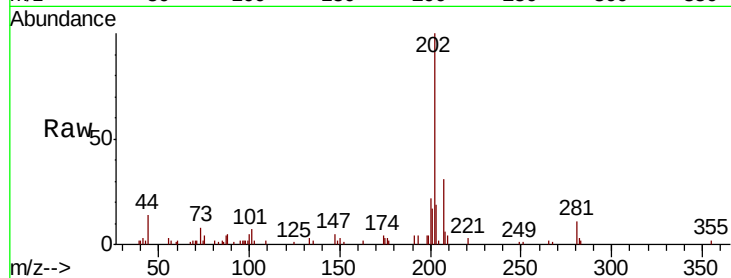
Tot Ion:202 Resp: 34544

Ion Ratio Lower Upper

202 100

101 7.3 0.0 28.4

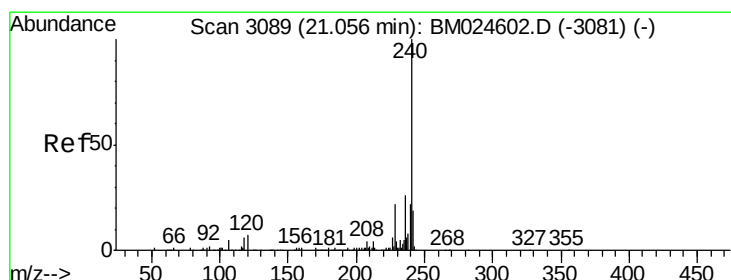
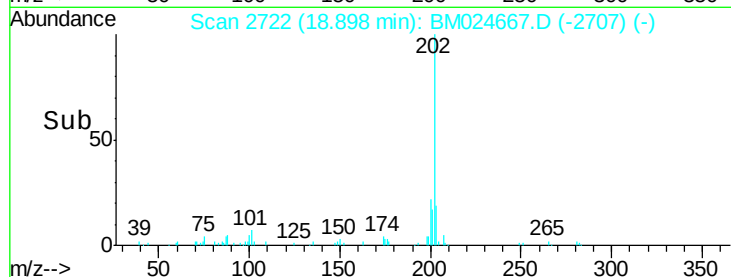
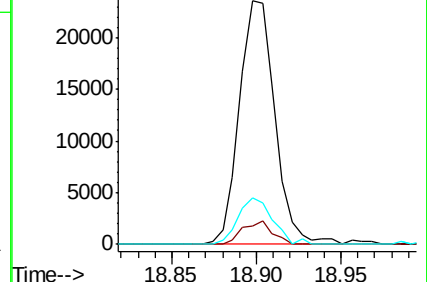
203 19.2 0.0 37.5



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# 3086

Delta R.T. -0.02 min

Lab File: BM024667.D

Acq: 30 Jan 2020 20:20

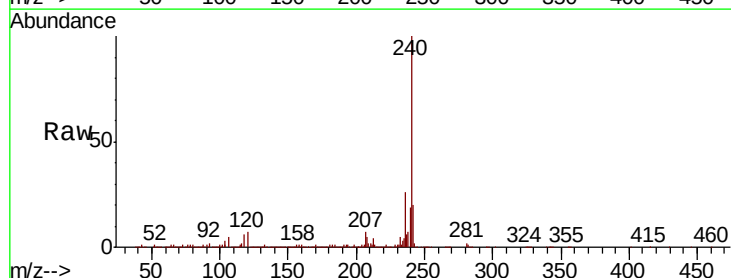
Tgt Ion:240 Resp: 1089265

Ion Ratio Lower Upper

240 100

120 7.1 5.3 7.9

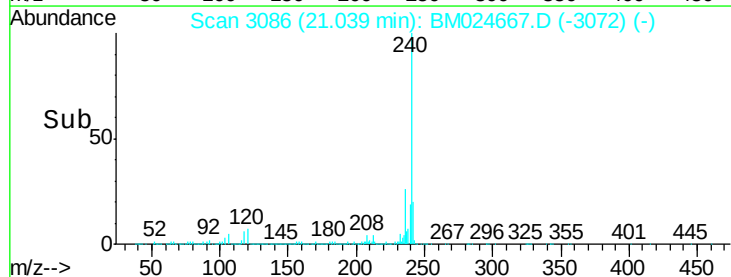
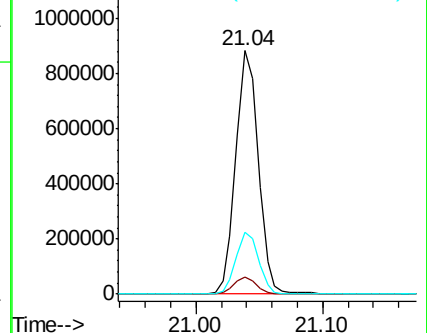
236 25.6 20.6 31.0

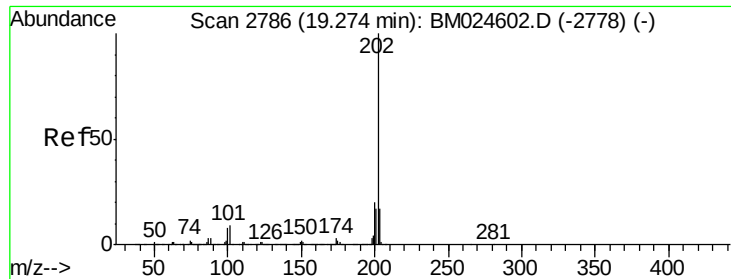


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

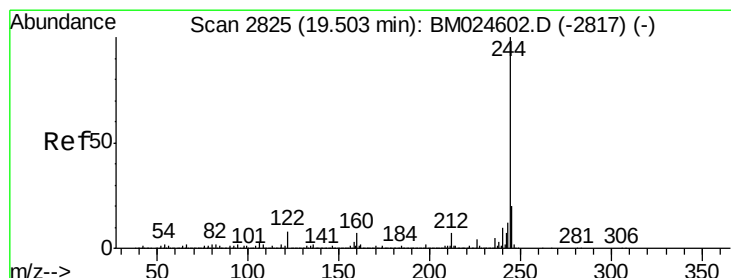
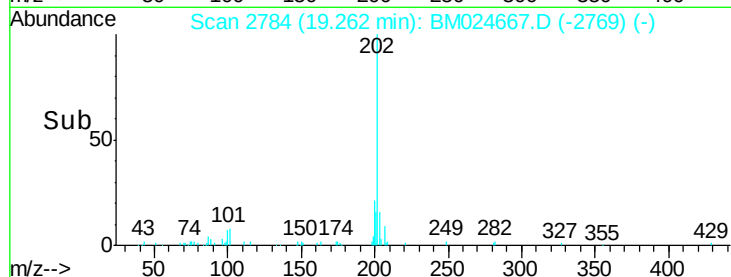
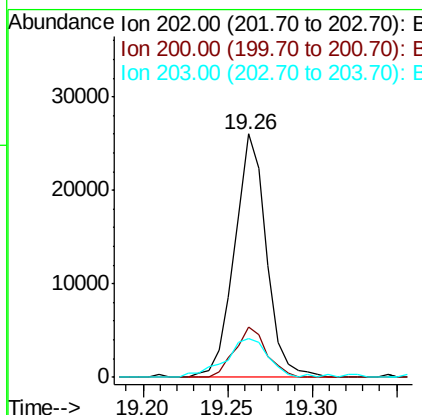
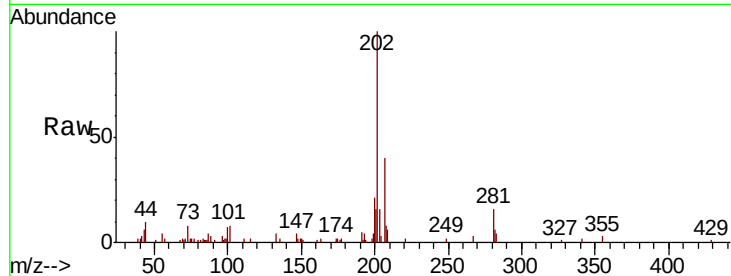




#78
 Pvrene
 Concen: 0.478 ng
 RT: 19.26 min Scan# 2784
 Delta R.T. -0.01 min
 Lab File: BM024667.D
 Acq: 30 Jan 2020 20:20

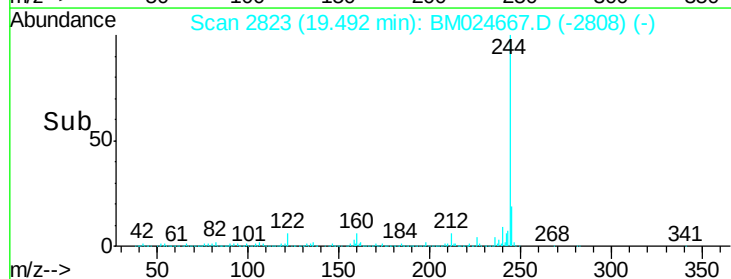
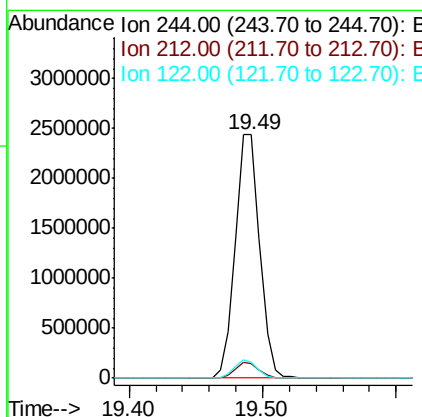
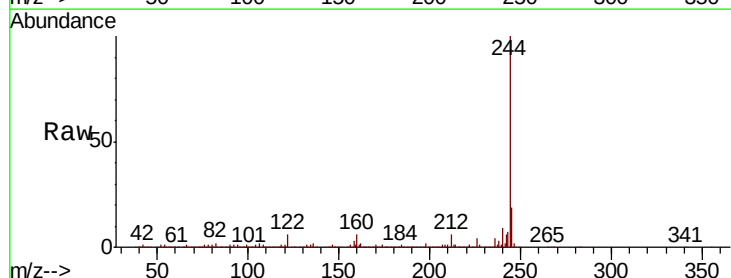
Instrument :
 BNA_M
 ClientSampleId :

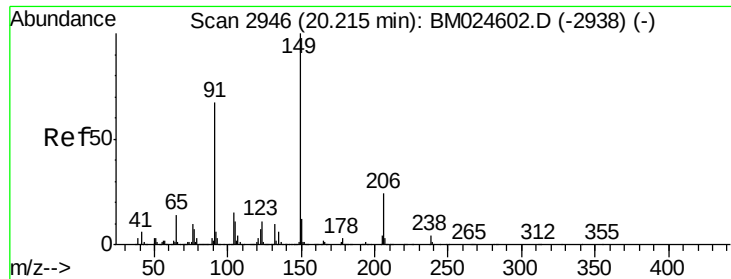
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.2	24.2
203	16.0	14.0	21.0



#79
 Terphenyl-d14
 Concen: 53.527 ng
 RT: 19.49 min Scan# 2823
 Delta R.T. -0.01 min
 Lab File: BM024667.D
 Acq: 30 Jan 2020 20:20

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.4	8.2
122	6.5	6.2	9.4

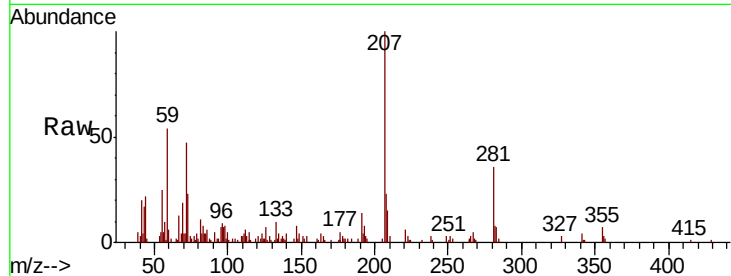




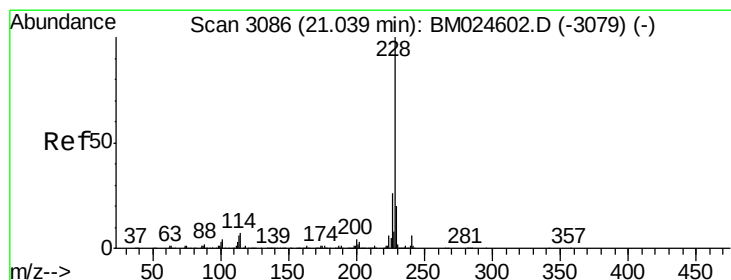
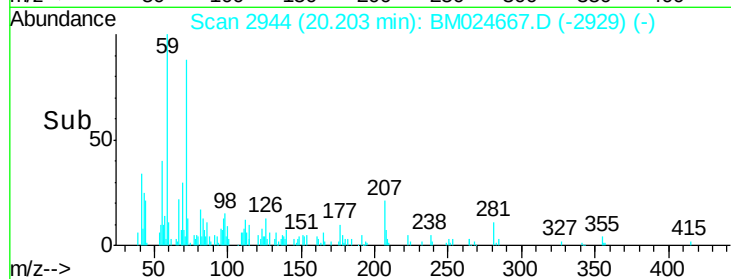
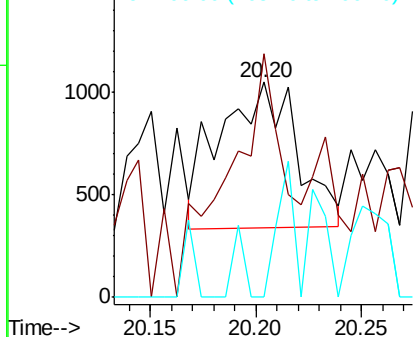
#80
Butylbenzylphthalate
Concen: 0.060 ng
RT: 20.20 min Scan# 2944
Delta R.T. -0.01 min
Lab File: BM024667.D
Acq: 30 Jan 2020 20:20

Instrument :
BNA_M
ClientSampled :

Tot Ion:149 Resp: 1793
Ion Ratio Lower Upper
149 100
91 113.0 53.9 80.9#
206 0.0 19.0 28.6#

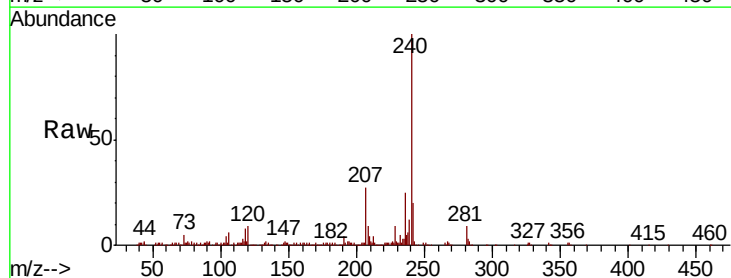


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BM0
Ion 206.00 (205.70 to 206.70): E

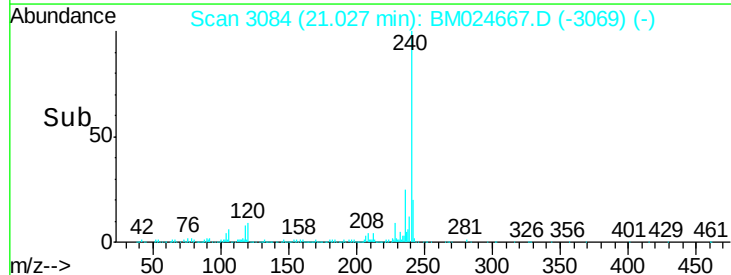
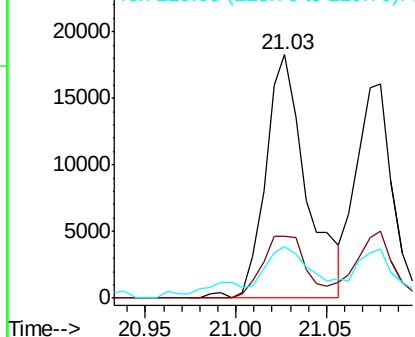


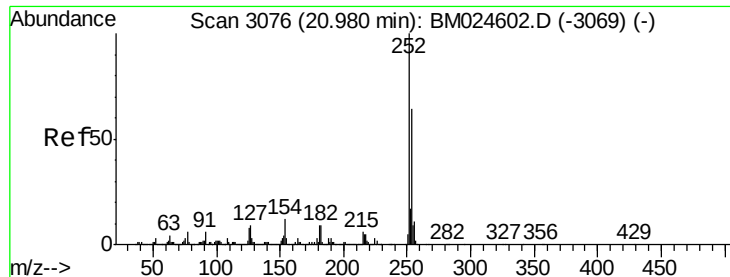
#81
Benzo(a)anthracene
Concen: 0.380 ng
RT: 21.03 min Scan# 3084
Delta R.T. -0.01 min
Lab File: BM024667.D
Acq: 30 Jan 2020 20:20

Tgt Ion:228 Resp: 28700
Ion Ratio Lower Upper
228 100
226 25.5 21.1 31.7
229 21.2 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

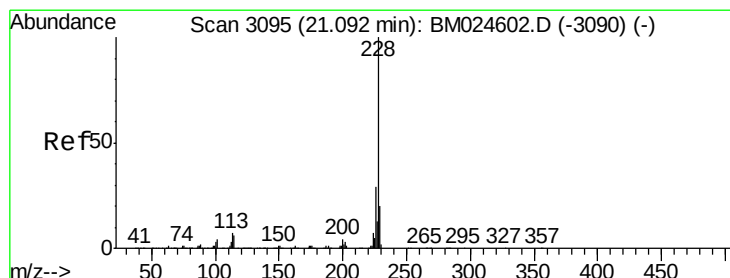
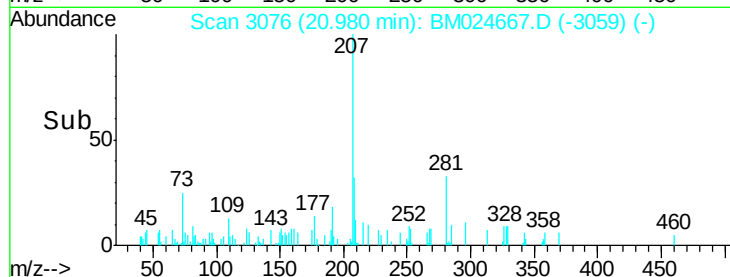
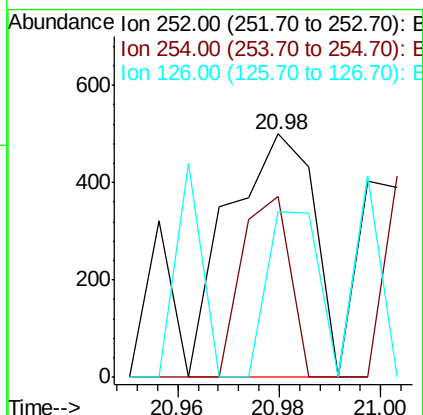
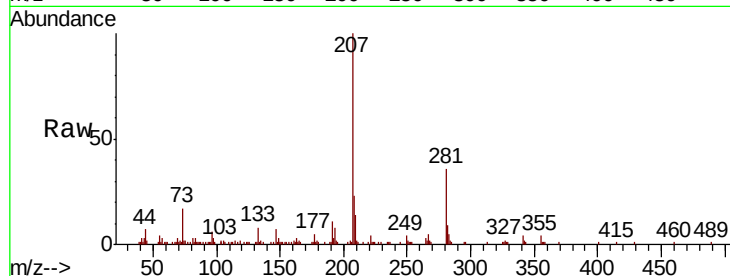




#82
 3,3'-Dichlorobenzidine
 Concen: 0.021 ng
 RT: 20.98 min Scan# 3076
 Delta R.T. -0.00 min
 Lab File: BM024667.D
 Acq: 30 Jan 2020 20:20

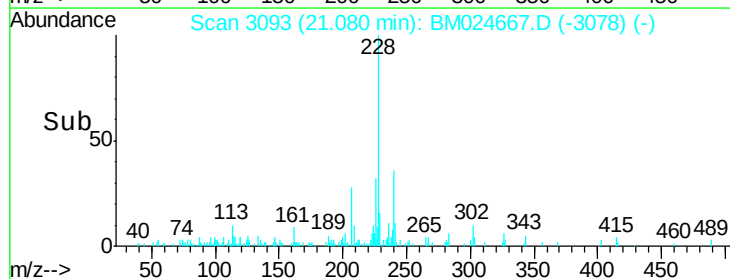
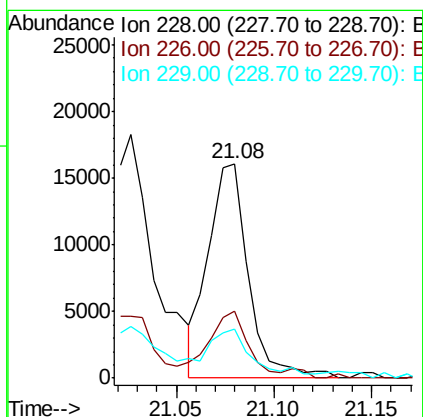
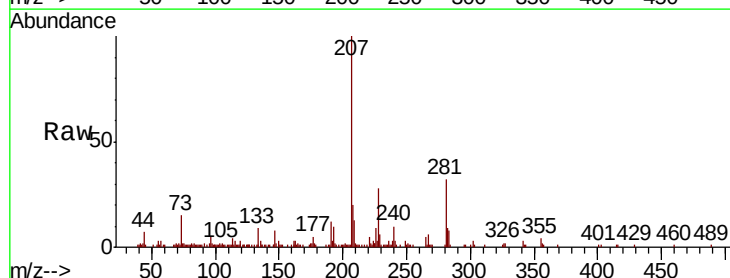
Instrument :
 BNA_M
 ClientSampleId :

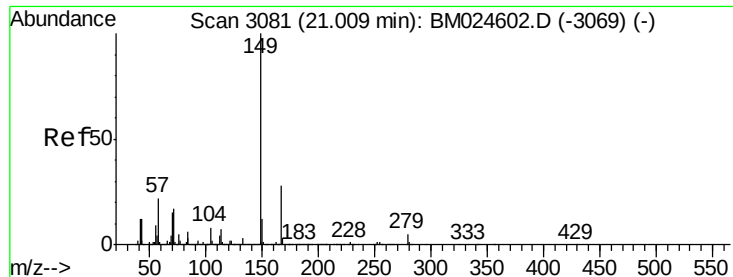
Tot Ion:252 Resp: 584
 Ion Ratio Lower Upper
 252 100
 254 74.4 51.5 77.3
 126 67.8 6.7 10.1#



#83
 Chrysene
 Concen: 0.319 ng
 RT: 21.08 min Scan# 3093
 Delta R.T. -0.01 min
 Lab File: BM024667.D
 Acq: 30 Jan 2020 20:20

Tgt Ion:228 Resp: 23041
 Ion Ratio Lower Upper
 228 100
 226 31.0 23.2 34.8
 229 22.7 15.7 23.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.162 ng

RT: 21.00 min Scan# 3080

Delta R.T. -0.01 min

Lab File: BM024667.D

Acq: 30 Jan 2020 20:20

Instrument :

BNA_M

ClientSampleId :

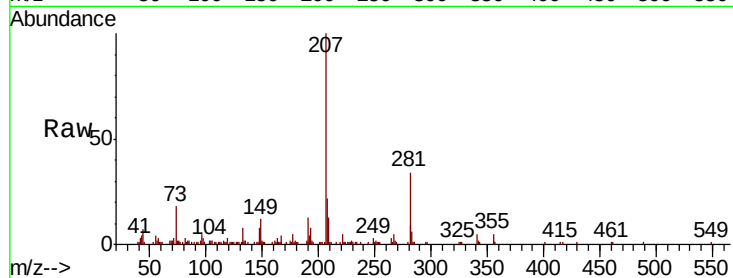
Tot Ion:149 Resp: 7223

Ion Ratio Lower Upper

149 100

167 31.6 22.5 33.7

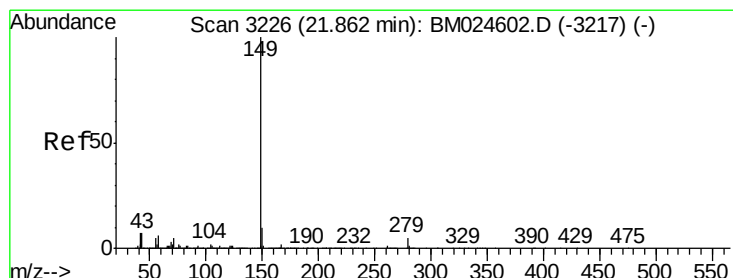
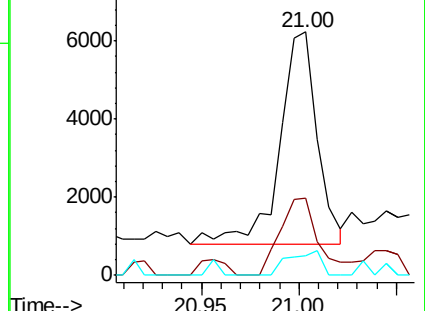
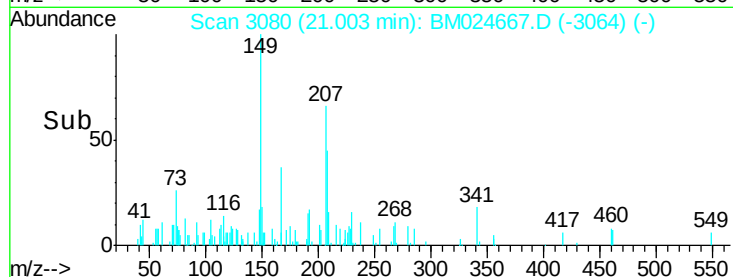
279 7.8 4.0 6.0#



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: 0.018 ng

RT: 21.84 min Scan# 3223

Delta R.T. -0.02 min

Lab File: BM024667.D

Acq: 30 Jan 2020 20:20

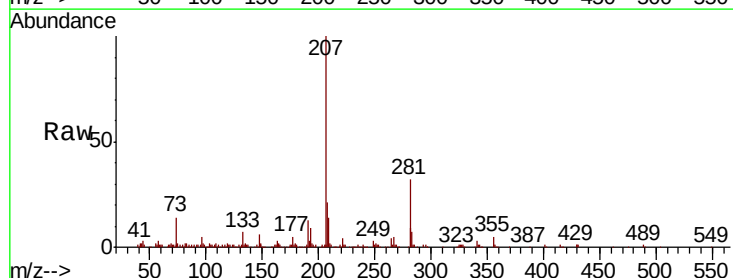
Tgt Ion:149 Resp: 1326

Ion Ratio Lower Upper

149 100

167 10.1 1.3 1.9#

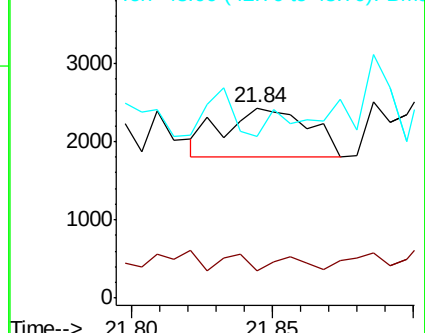
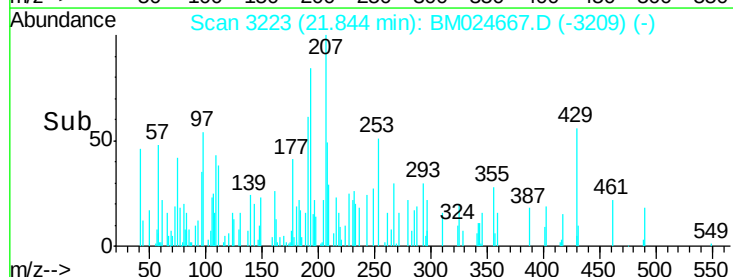
43 16.2 5.8 8.6#

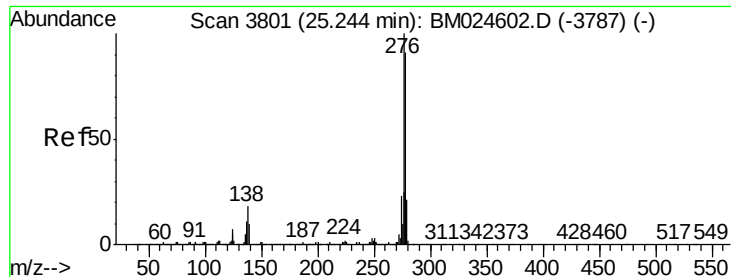


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM0





#86

Indeno(1,2,3-cd)pyrene

Concen: 0.218 ng

RT: 25.21 min Scan# 3796

Delta R.T. -0.03 min

Lab File: BM024667.D

Acq: 30 Jan 2020 20:20

Instrument :

BNA_M

ClientSampleId :

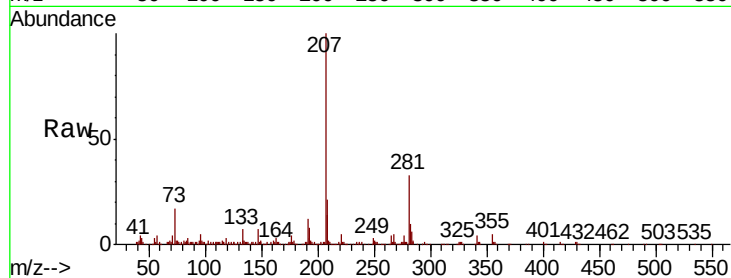
Tot Ion:276 Resp: 17162

Ion Ratio Lower Upper

276 100

138 0.0 13.4 20.0#

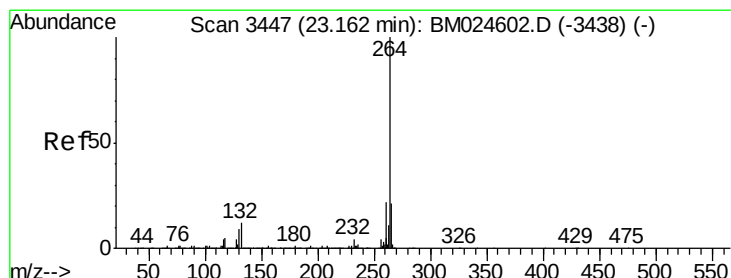
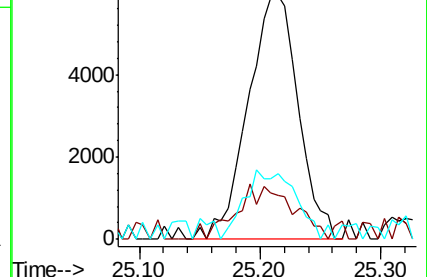
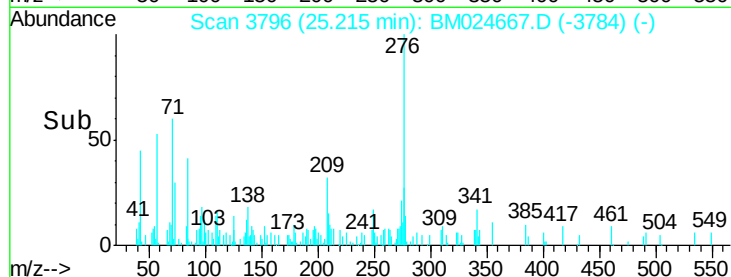
277 0.0 19.6 29.4#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.15 min Scan# 3445

Delta R.T. -0.01 min

Lab File: BM024667.D

Acq: 30 Jan 2020 20:20

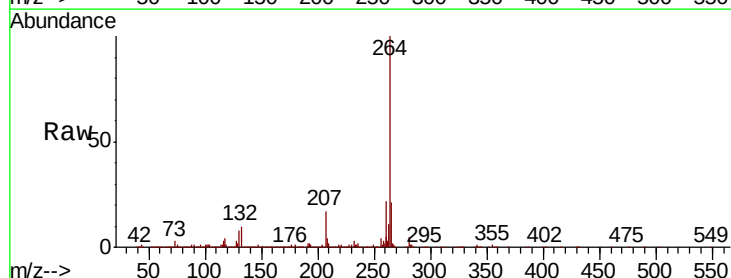
Tgt Ion:264 Resp: 1307355

Ion Ratio Lower Upper

264 100

260 21.8 17.9 26.9

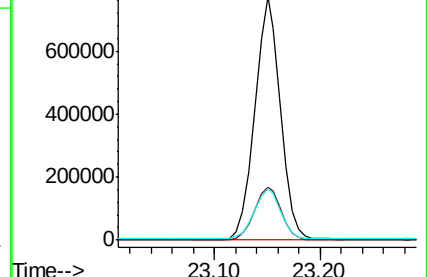
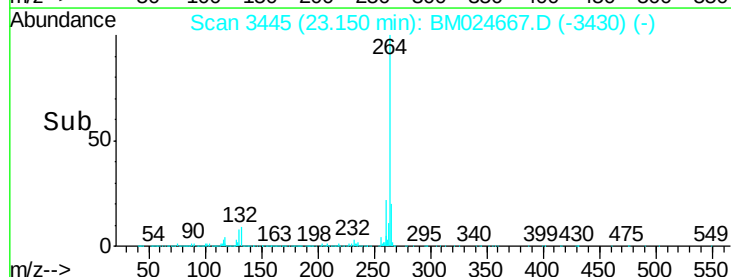
265 21.0 17.3 25.9

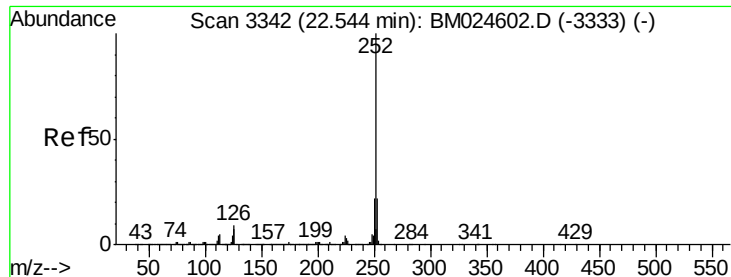


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 0.345 ng

RT: 22.53 min Scan# 3340

Delta R.T. -0.01 min

Lab File: BM024667.D

Acq: 30 Jan 2020 20:20

Instrument :

BNA_M

ClientSampleId :

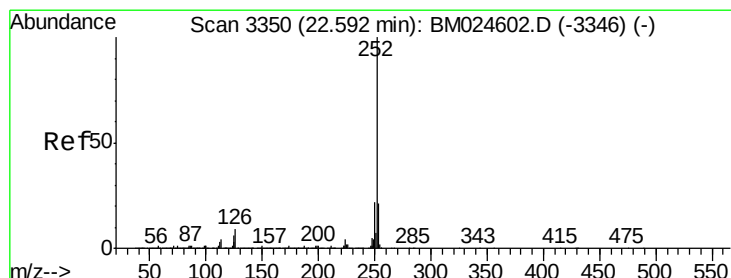
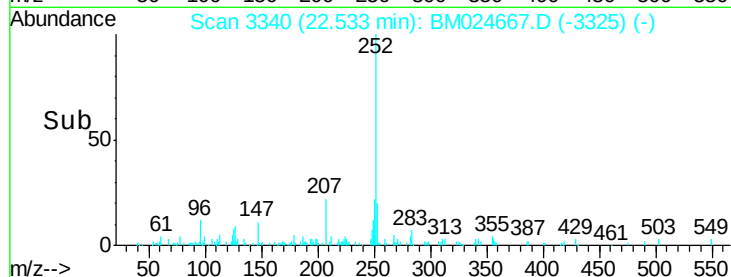
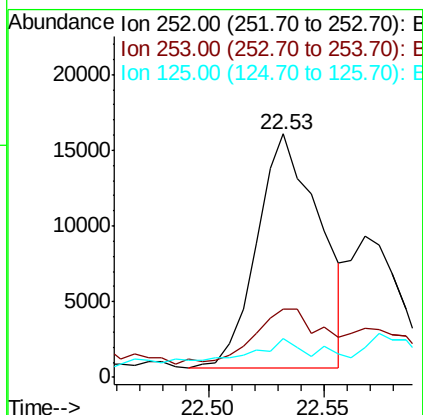
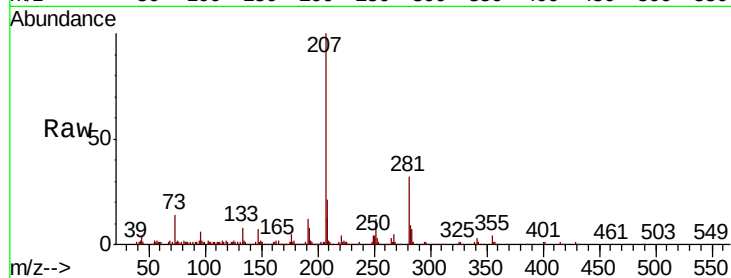
Tot Ion:252 Resp: 29282

Ion Ratio Lower Upper

252 100

253 28.2 17.6 26.4#

125 15.7 5.7 8.5#



#89

Benzo(k)fluoranthene

Concen: 0.354 ng

RT: 22.53 min Scan# 3340

Delta R.T. -0.06 min

Lab File: BM024667.D

Acq: 30 Jan 2020 20:20

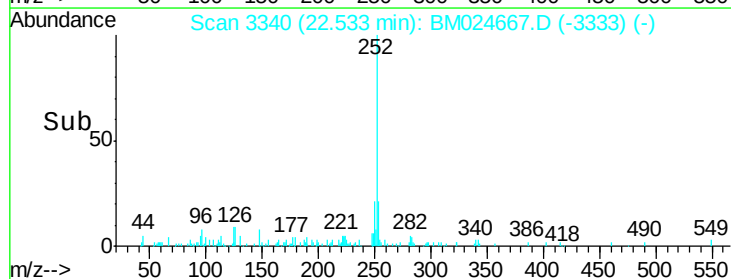
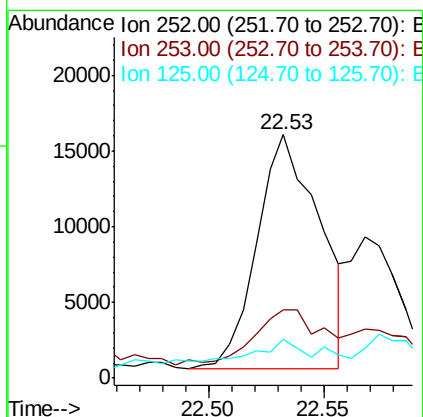
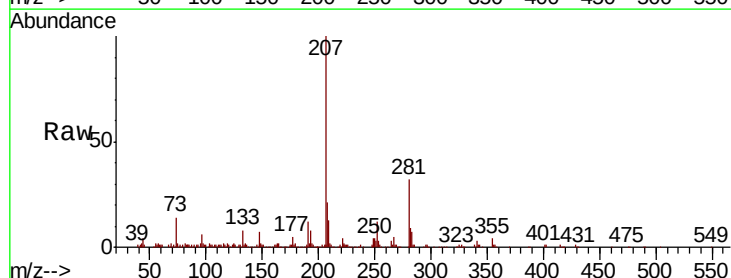
Tgt Ion:252 Resp: 29282

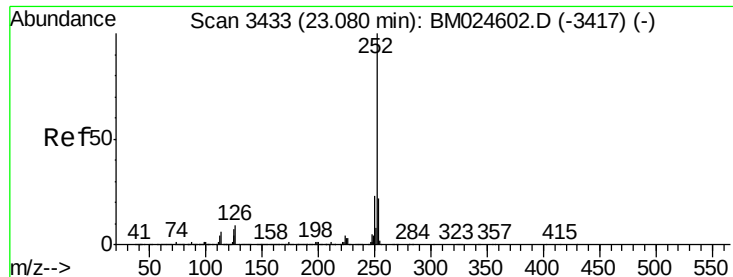
Ion Ratio Lower Upper

252 100

253 28.2 17.3 25.9#

125 15.7 5.2 7.8#





#90

Benzo(a)pyrene

Concen: 0.293 ng

RT: 23.06 min Scan# 3429

Delta R.T. -0.02 min

Lab File: BM024667.D

Acq: 30 Jan 2020 20:20

Instrument :

BNA_M

ClientSampleId :

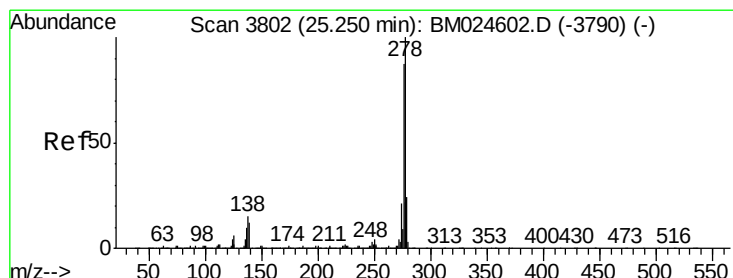
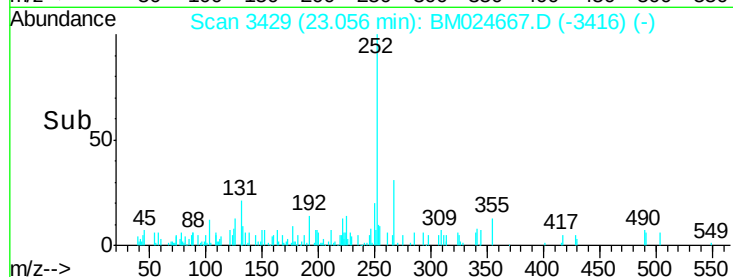
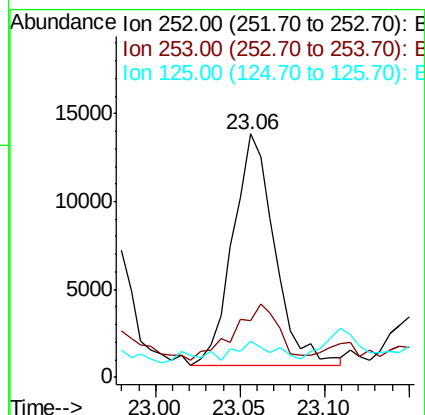
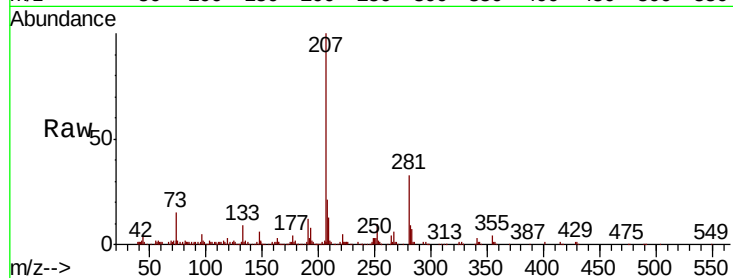
Tot Ion:252 Resp: 22586

Ion Ratio Lower Upper

252 100

253 23.6 17.3 25.9

125 14.7 5.8 8.8#



#91

Dibenzo(a,h)anthracene

Concen: 0.074 ng

RT: 25.21 min Scan# 3796

Delta R.T. -0.04 min

Lab File: BM024667.D

Acq: 30 Jan 2020 20:20

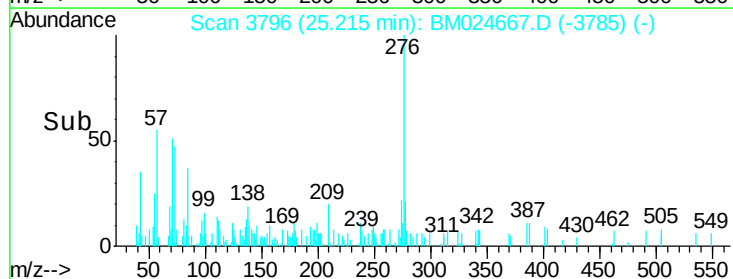
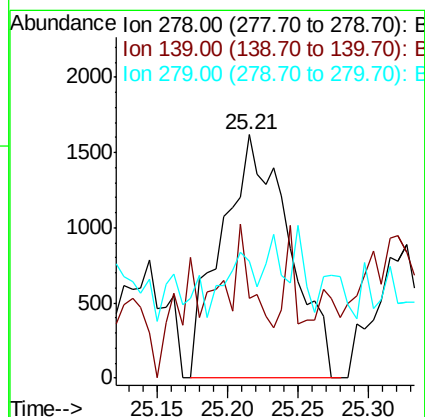
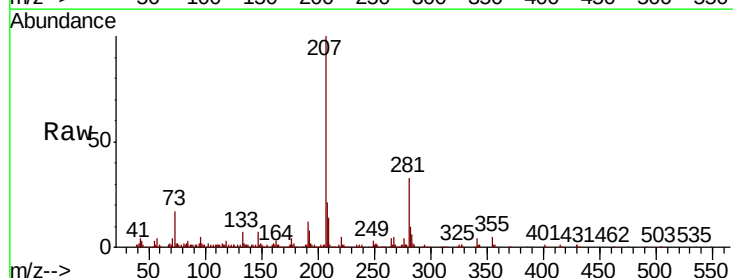
Tgt Ion:278 Resp: 5399

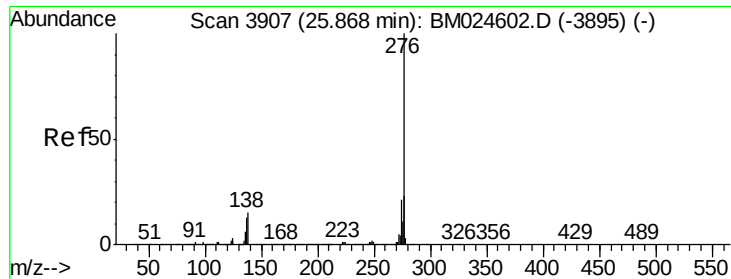
Ion Ratio Lower Upper

278 100

139 33.0 9.3 13.9#

279 48.1 18.9 28.3#

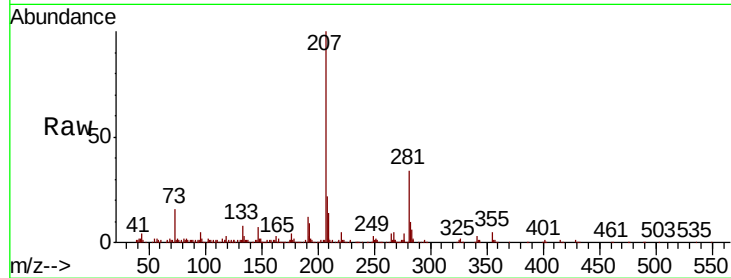




#92
 Benzo(a,h,i)perylene
 Concen: 0.258 ng
 RT: 25.83 min Scan# 3901
 Delta R.T. -0.04 min
 Lab File: BM024667.D
 Acq: 30 Jan 2020 20:20

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.6	28.0
138	16.3	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

