

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040624\
 Data File : BM044973.D
 Acq On : 06 Apr 2024 16:40
 Operator : MA/JU
 Sample : P2018-08MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Apr 08 01:51:25 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM040524.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Apr 08 01:45:36 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.634	152	93868	20.000	ng/ul	0.00
20) Naphthalene-d8	10.410	136	397665	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.280	164	239481	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.045	188	489308	20.000	ng/ul	0.00
79) Chrysene-d12	21.250	240	478655	20.000	ng/ul	0.00
88) Perylene-d12	23.474	264	547202	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.210	96	13613	5.415	ng/uL	0.00
4) Pyridine-d5	3.610	84	116566	17.052	ng/ul	0.00
7) Phenol-d5	6.816	99	179866	22.603	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.987	67	114847	24.224	ng/ul	0.00
11) 2-Chlorophenol-d4	7.169	132	155944	25.013	ng/ul	0.00
15) 4-Methylphenol-d8	8.345	113	145782	23.404	ng/ul	0.00
21) Nitrobenzene-d5	8.792	128	76660	25.097	ng/ul	0.00
24) 2-Nitrophenol-d4	9.504	143	84257	26.134	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.039	165	147563	24.963	ng/ul	0.00
31) 4-Chloroaniline-d4	10.569	131	103556	11.003	ng/ul	0.00
46) Dimethylphthalate-d6	13.710	166	398059	23.872	ng/ul	0.00
49) Acenaphthylene-d8	13.974	160	473609	24.043	ng/ul	0.00
54) 4-Nitrophenol-d4	14.522	143	61635	17.711	ng/ul	0.00
60) Fluorene-d10	15.286	176	346927	23.338	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.427	200	62694	21.610	ng/ul	0.00
73) Anthracene-d10	17.145	188	541012	24.578	ng/ul	0.00
81) Pyrene-d10	19.451	212	637780	27.060	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.333	264	670861	25.131	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.240	88	22770	8.674	ng/uL#	83
5) Pyridine	3.622	79	156807	21.649	ng/ul	99
6) Benzaldehyde	6.798	77	124466	33.741	ng/ul	96
8) Phenol	6.840	94	239523	29.066	ng/ul	97
10) Bis(2-Chloroethyl)ether	7.081	93	205203	31.907	ng/ul	93
12) 2-Chlorophenol	7.198	128	180407	27.577	ng/ul	97
13) 2-Methylphenol	8.081	108	164962	27.121	ng/ul	98
14) 2,2'-oxybis(1-Chloropr...	8.157	45	202203	26.360	ng/ul	99
16) Acetophenone	8.463	105	276812	27.335	ng/ul	95
17) N-Nitroso-di-n-propyla...	8.445	70	128132	26.798	ng/ul#	97
18) 4-Methylphenol	8.404	108	180066	27.466	ng/ul	100
19) Hexachloroethane	8.687	117	77951	27.092	ng/ul	97
22) Nitrobenzene	8.840	77	198126	26.437	ng/ul	98
23) Isophorone	9.357	82	357376	25.955	ng/ul	99
25) 2-Nitrophenol	9.539	139	101014	28.228	ng/ul	94
26) 2,4-Dimethylphenol	9.598	107	186252	26.997	ng/ul	99
27) Bis(2-Chloroethoxy)met...	9.845	93	216014	26.463	ng/ul	98
29) 2,4-Dichlorophenol	10.063	162	164397	27.527	ng/ul	99
30) Naphthalene	10.457	128	535956	25.460	ng/ul	100
32) 4-Chloroaniline	10.592	127	116618	12.735	ng/ul	97
33) Hexachlorobutadiene	10.722	225	94235	25.378	ng/ul	94
34) Caprolactam	11.386	113	52299	25.939	ng/ul	99
35) 4-Chloro-3-methylphenol	11.716	107	165778	27.923	ng/ul	96
36) 2-Methylnaphthalene	12.080	142	347601	25.289	ng/ul	98

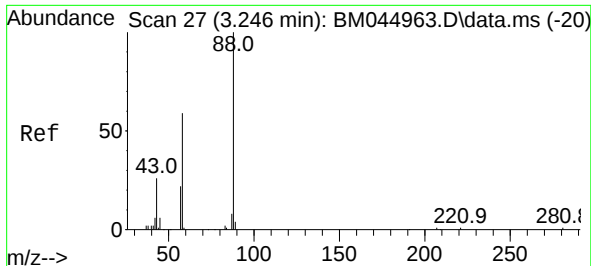
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 Quant Title : SVOA CALIBRATION
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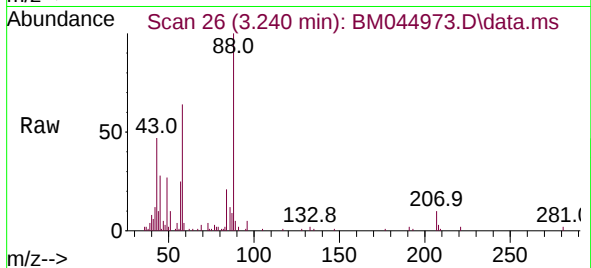
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.304	142	353333	25.403	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.451	216	175227	26.755	ng/ul	97
40) Hexachlorocyclopentadiene	12.416	237	80109	20.206	ng/ul	95
41) 2,4,6-Trichlorophenol	12.704	196	125534	29.383	ng/ul	96
42) 2,4,5-Trichlorophenol	12.780	196	134341	28.538	ng/ul	98
43) 1,1'-Biphenyl	13.110	154	447976	26.490	ng/ul	97
44) 2-Chloronaphthalene	13.151	162	355589	25.882	ng/ul	100
45) 2-Nitroaniline	13.375	65	108638	28.645	ng/ul	96
47) Dimethylphthalate	13.757	163	435383	24.981	ng/ul	100
48) 2,6-Dinitrotoluene	13.886	165	90069	26.366	ng/ul	94
50) Acenaphthylene	14.004	152	576688	25.066	ng/ul	100
51) 3-Nitroaniline	14.233	138	13271	3.562	ng/ul#	81
52) Acenaphthene	14.345	153	382078	24.888	ng/ul	99
53) 2,4-Dinitrophenol	14.427	184	49698	24.470	ng/ul	89
55) 4-Nitrophenol	14.533	109	77070	25.182	ng/ul	93
56) Dibenzofuran	14.686	168	527615	25.115	ng/ul	98
57) 2,4-Dinitrotoluene	14.674	165	134771	26.357	ng/ul#	95
58) 2,3,4,6-Tetrachlorophenol	14.916	232	111038	27.561	ng/ul	98
59) Diethylphthalate	15.127	149	472025	26.547	ng/ul	99
61) Fluorene	15.339	166	440329	24.869	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.339	204	204490	24.640	ng/ul	95
63) 4-Nitroaniline	15.404	138	20707	6.112	ng/ul#	72
66) 4,6-Dinitro-2-methylph...	15.439	198	74777	24.067	ng/ul	97
67) N-Nitrosodiphenylamine	15.563	169	355824	26.957	ng/ul	99
68) 4-Bromophenyl-phenylether	16.239	248	126018	26.444	ng/ul	97
69) Hexachlorobenzene	16.339	284	157494	25.406	ng/ul	97
70) Atrazine	16.533	200	127639	26.288	ng/ul	98
71) Pentachlorophenol	16.692	266	106757	28.351	ng/ul	98
72) Phenanthrene	17.086	178	683023	25.939	ng/ul	98
74) Anthracene	17.174	178	685073	25.434	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.069	216	174303	28.263	ng/uL	97
76) Pentachlorobenzene	14.598	250	174625	26.613	ng/uL	97
77) Carbazole	17.457	167	653376	25.157	ng/ul	99
78) Di-n-butylphthalate	18.027	149	879765	30.037	ng/ul	99
80) Fluoranthene	19.109	202	852125	30.654	ng/ul	97
82) Pyrene	19.480	202	884386	29.481	ng/ul	99
83) Butylbenzylphthalate	20.403	149	444764	35.388	ng/ul	99
85) Benzo(a)anthracene	21.239	228	867382	26.707	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.180	149	674568	34.336	ng/ul	100
87) Chrysene	21.292	228	814184	26.892	ng/ul	99
89) Di-n-octyl phthalate	22.062	149	1118439	32.486	ng/ul	100
90) Benzo(b)fluoranthene	22.809	252	901235	28.258	ng/ul	98
91) Benzo(k)fluoranthene	22.856	252	871172	27.138	ng/ul	100
93) Benzo(a)pyrene	23.380	252	735896	23.708	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	25.715	276	1069526	26.600	ng/ul	99
95) Dibenzo(a,h)anthracene	25.733	278	877282	26.097	ng/ul	99
96) Benzo(g,h,i)perylene	26.397	276	495326	15.616	ng/ul	99

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

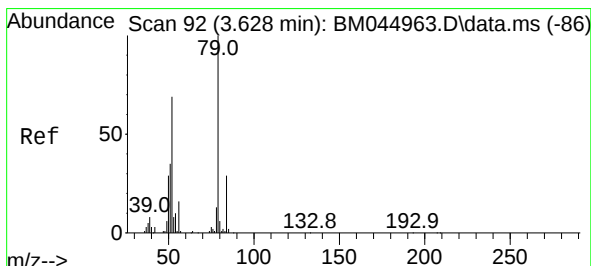
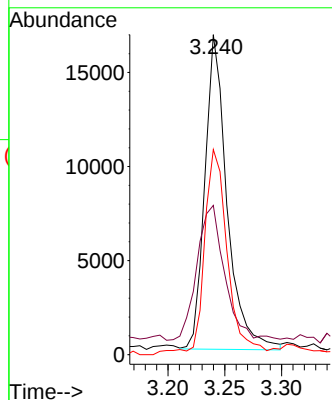
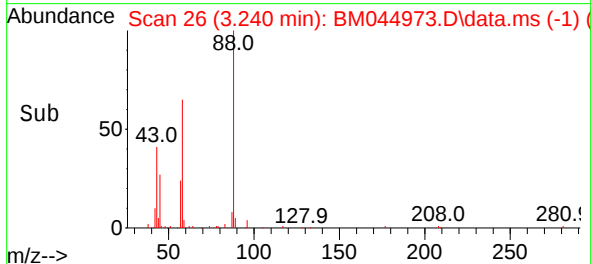


#2
1,4-Dioxane
Concen: 8.674 ng/uL
RT: 3.240 min Scan# 20
Delta R.T. -0.006 min
Lab File: BM044973.D
Acq: 06 Apr 2024 16:40

Instrument :
BNA_M
ClientSampleId :

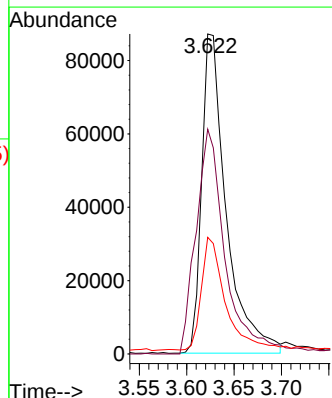
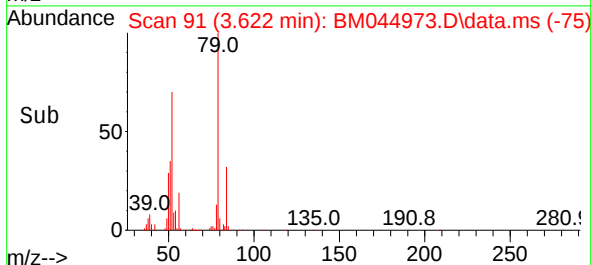
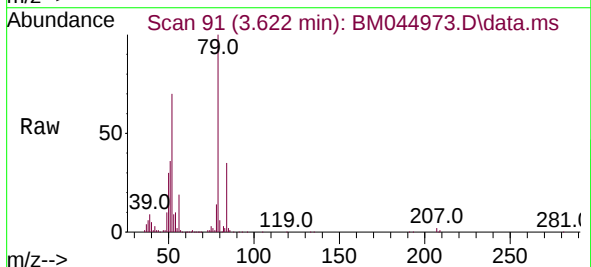


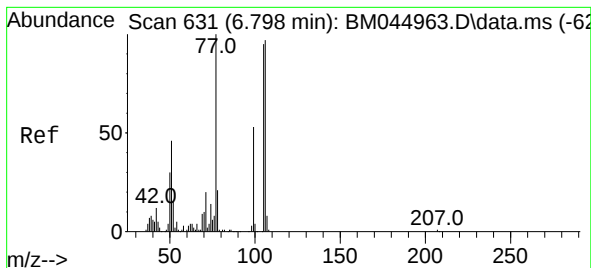
Tgt Ion: 88 Resp: 22770
Ion Ratio Lower Upper
88 100
43 46.6 24.0 36.0#
58 64.1 45.4 68.2



#5
Pyridine
Concen: 21.649 ng/uL
RT: 3.622 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM044973.D
Acq: 06 Apr 2024 16:40

Tgt Ion: 79 Resp: 156807
Ion Ratio Lower Upper
79 100
52 70.3 56.0 84.0
51 36.4 27.6 41.4





#6

Benzaldehyde

Concen: 33.741 ng/ul

RT: 6.798 min Scan# 631

Delta R.T. -0.000 min

Lab File: BM044973.D

Acq: 06 Apr 2024 16:40

Instrument :

BNA_M

ClientSampleId :

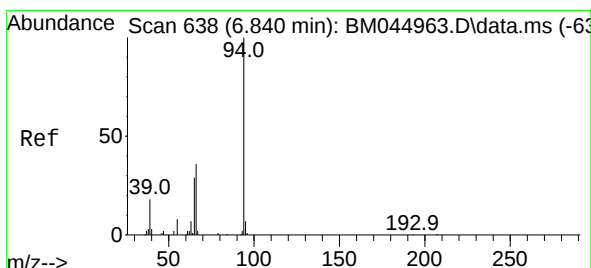
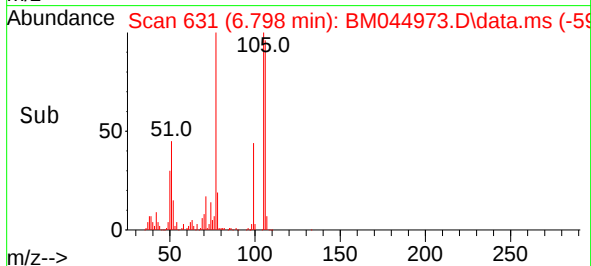
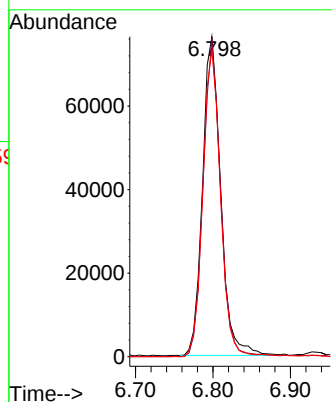
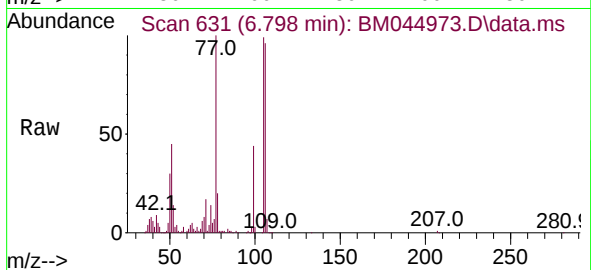
Tgt Ion: 77 Resp: 124466

Ion Ratio Lower Upper

77 100

105 99.5 75.8 113.6

106 95.7 74.6 112.0



#8

Phenol

Concen: 29.066 ng/ul

RT: 6.840 min Scan# 638

Delta R.T. 0.000 min

Lab File: BM044973.D

Acq: 06 Apr 2024 16:40

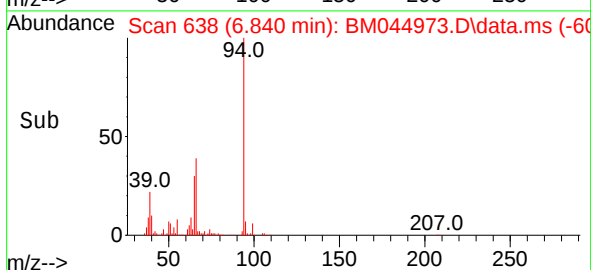
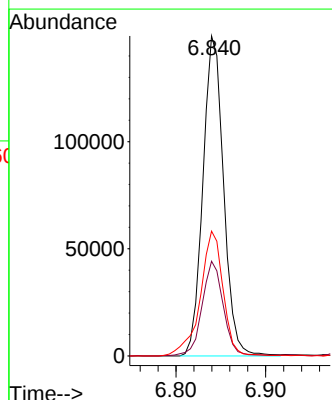
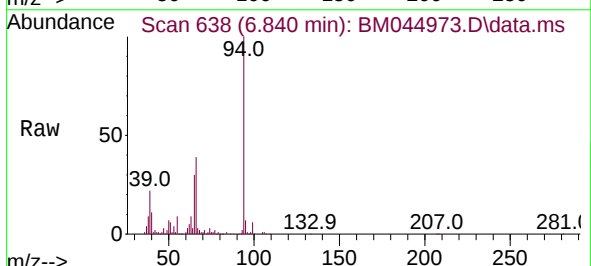
Tgt Ion: 94 Resp: 239523

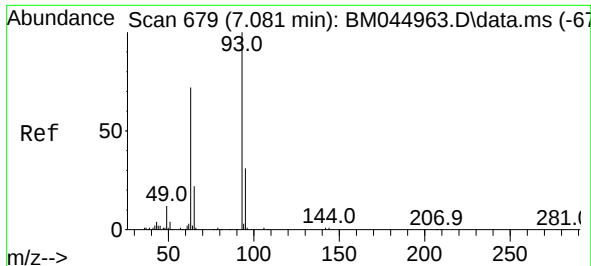
Ion Ratio Lower Upper

94 100

65 29.6 21.7 32.5

66 39.0 31.9 47.9





#10

Bis(2-Chloroethyl)ether

Concen: 31.907 ng/ul

RT: 7.081 min Scan# 610

Delta R.T. -0.000 min

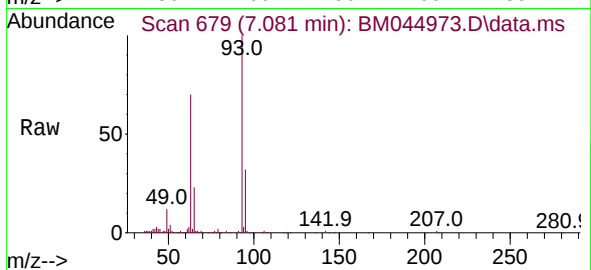
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Acq: 06 Apr 2024 16:40

Instrument :

BNA_M

ClientSampleId :



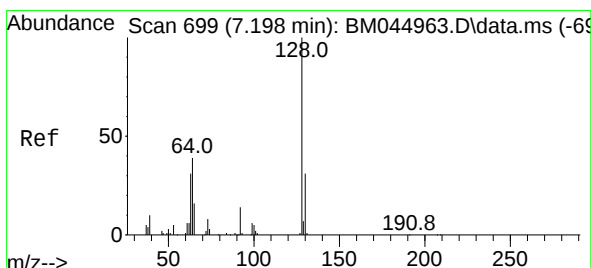
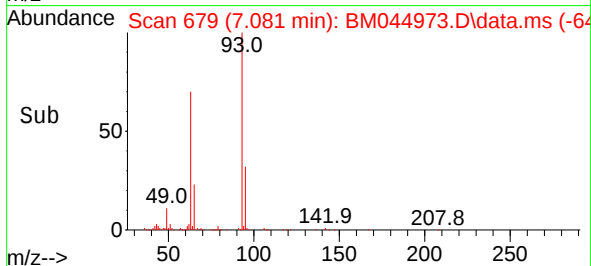
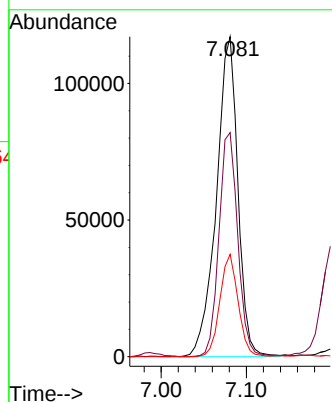
Tgt Ion: 93 Resp: 205203

Ion Ratio Lower Upper

93 100

63 70.1 61.3 91.9

95 32.0 27.6 41.4



#12

2-Chlorophenol

Concen: 27.577 ng/ul

RT: 7.198 min Scan# 699

Delta R.T. 0.000 min

Lab File: BM044973.D

Acq: 06 Apr 2024 16:40

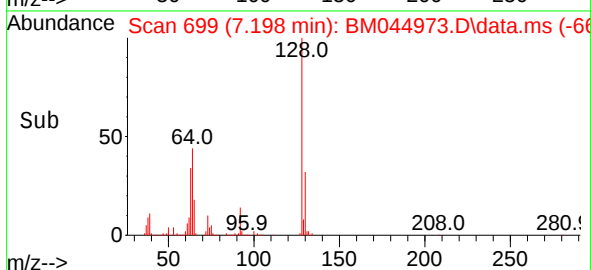
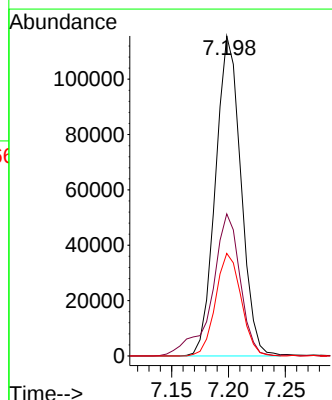
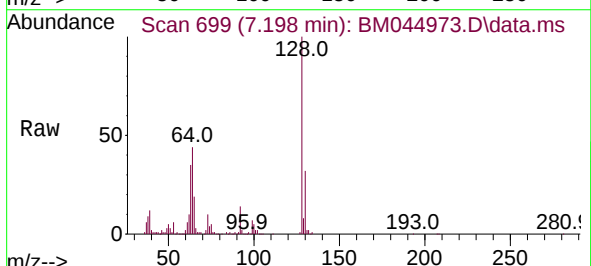
Tgt Ion: 128 Resp: 180407

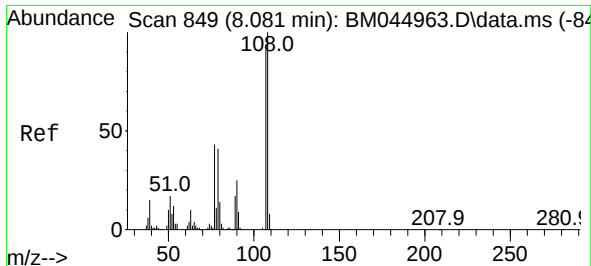
Ion Ratio Lower Upper

128 100

64 44.4 33.3 49.9

130 32.1 26.2 39.4





#13

2-Methylphenol

Concen: 27.121 ng/ul

RT: 8.081 min Scan# 849

Delta R.T. -0.000 min

Lab File: BM044973.D

Acq: 06 Apr 2024 16:40

Instrument :

BNA_M

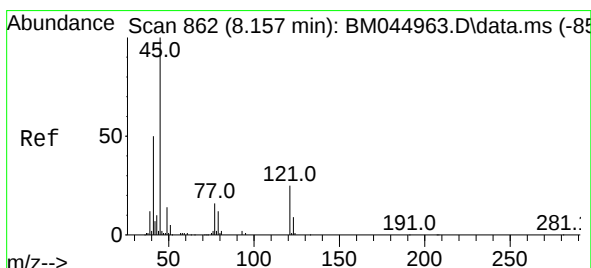
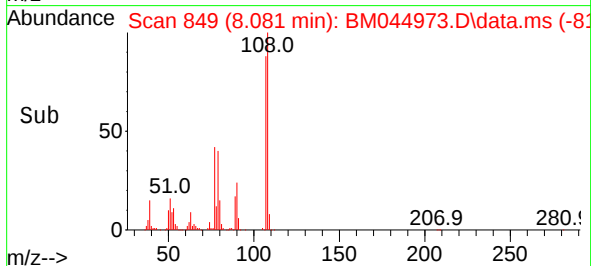
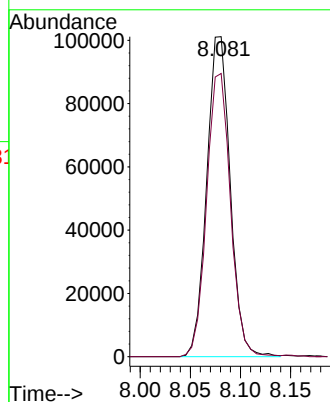
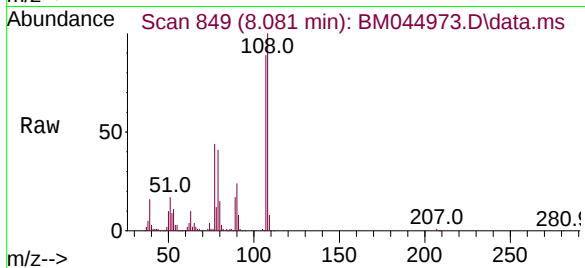
ClientSampleId :

Tgt Ion:108 Resp: 164962

Ion Ratio Lower Upper

108 100

107 88.5 69.1 103.7



#14

2,2'-oxybis(1-Chloropropane)

Concen: 26.360 ng/ul

RT: 8.157 min Scan# 862

Delta R.T. -0.000 min

Lab File: BM044973.D

Acq: 06 Apr 2024 16:40

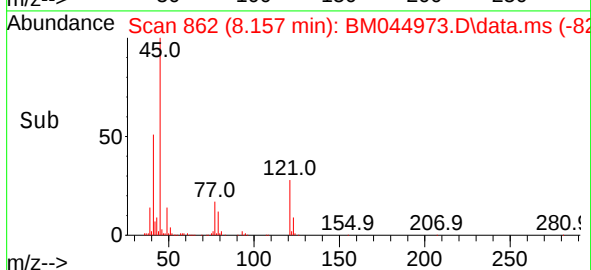
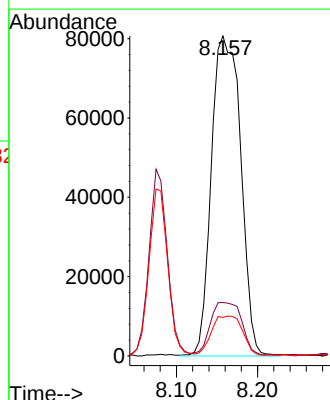
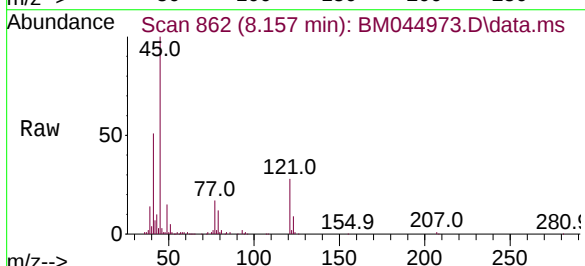
Tgt Ion: 45 Resp: 202203

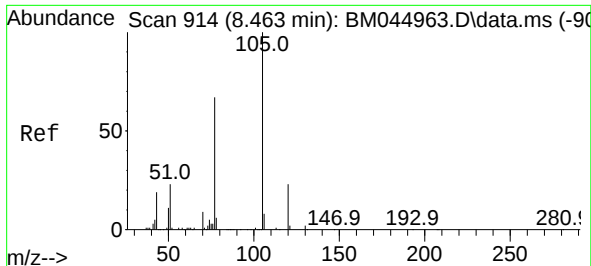
Ion Ratio Lower Upper

45 100

77 16.7 13.4 20.0

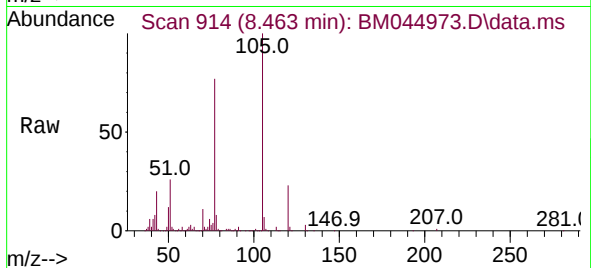
79 12.0 10.1 15.1



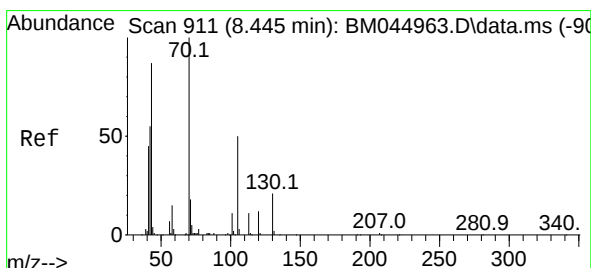
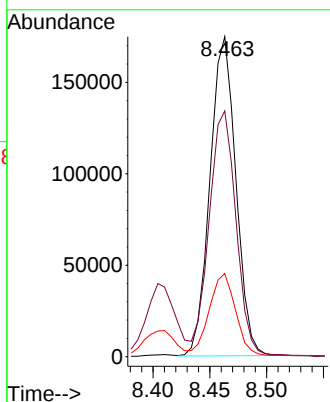
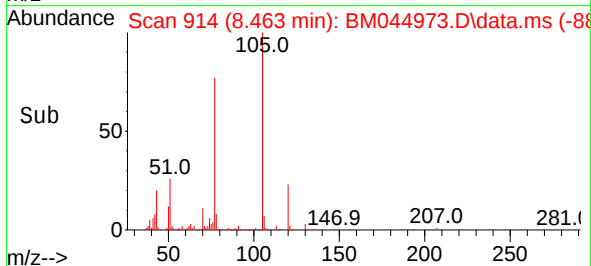


#16
Acetophenone
Concen: 27.335 ng/ul
RT: 8.463 min Scan# 914
Delta R.T. -0.000 min
Lab File: BM044973.D
Acq: 06 Apr 2024 16:40

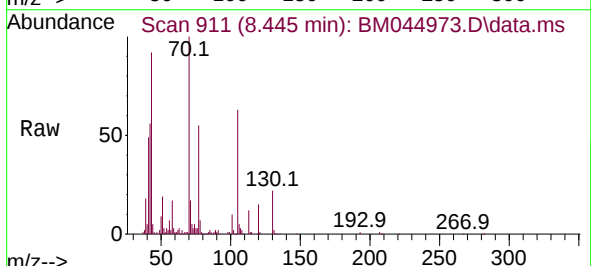
Instrument :
BNA_M
ClientSampleId :



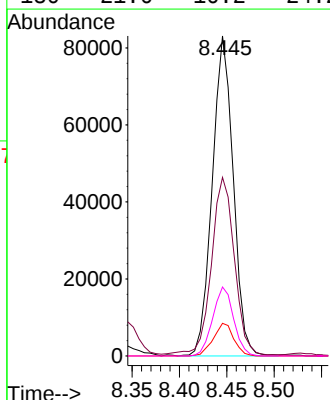
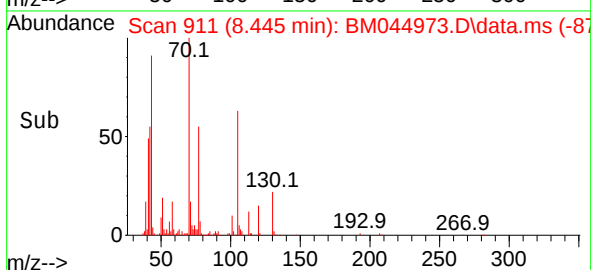
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Ion Ratio Lower Upper
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51 26.0 21.9 32.9

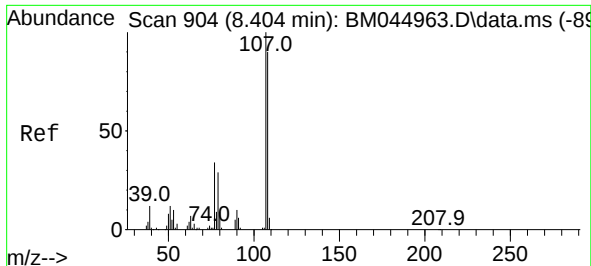


#17
N-Nitroso-di-n-propylamine
Concen: 26.798 ng/ul
RT: 8.445 min Scan# 911
Delta R.T. -0.000 min
Lab File: BM044973.D
Acq: 06 Apr 2024 16:40



Tgt Ion: 70 Resp: 128132
Ion Ratio Lower Upper
70 100
42 55.8 43.2 64.8
101 10.2 6.4 9.6#
130 21.6 16.2 24.2

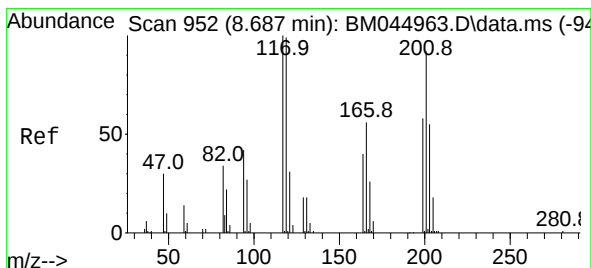
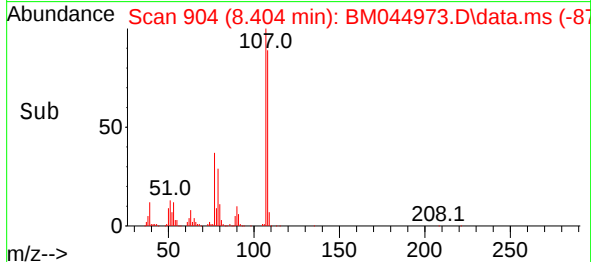
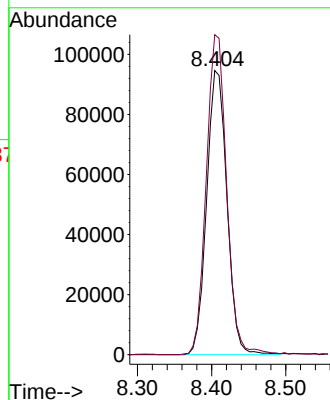
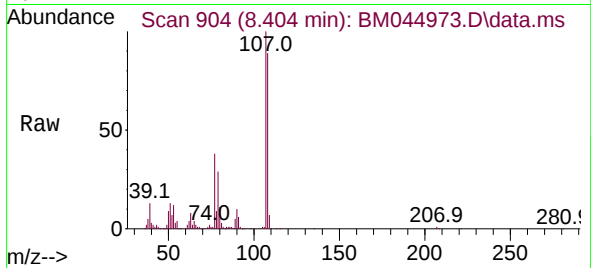




#18
4-Methylphenol
Concen: 27.466 ng/ul
RT: 8.404 min Scan# 904
Delta R.T. 0.000 min
Lab File: BM044973.D
Acq: 06 Apr 2024 16:40

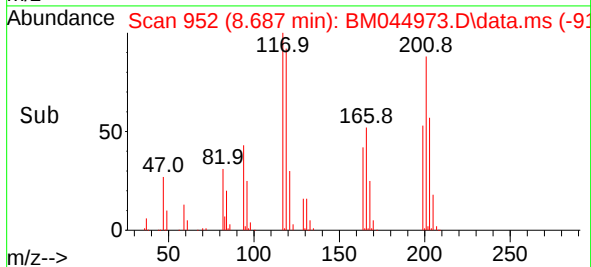
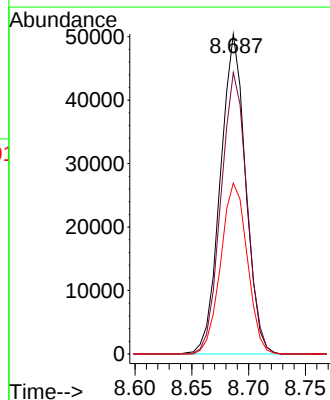
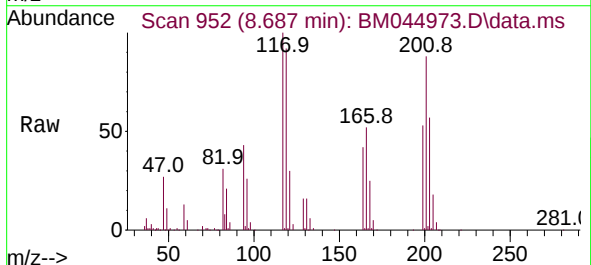
Instrument :
BNA_M
ClientSampleId :

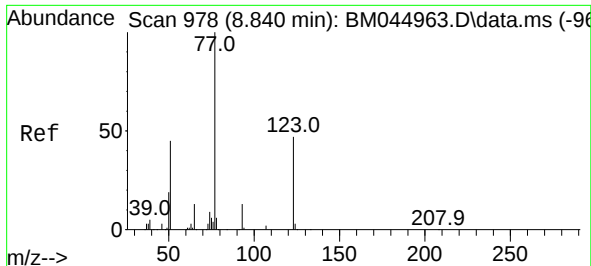
Tgt Ion:108 Resp: 180066
Ion Ratio Lower Upper
108 100
107 112.6 90.0 135.0



#19
Hexachloroethane
Concen: 27.092 ng/ul
RT: 8.687 min Scan# 952
Delta R.T. -0.000 min
Lab File: BM044973.D
Acq: 06 Apr 2024 16:40

Tgt Ion:117 Resp: 77951
Ion Ratio Lower Upper
117 100
201 88.0 73.0 109.4
199 53.4 44.4 66.6

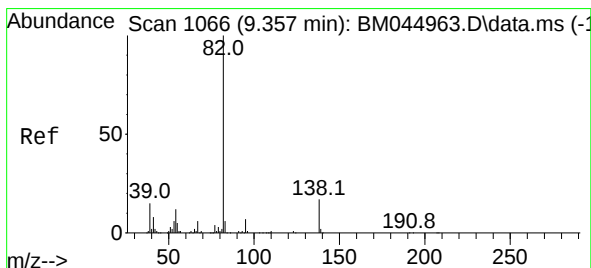
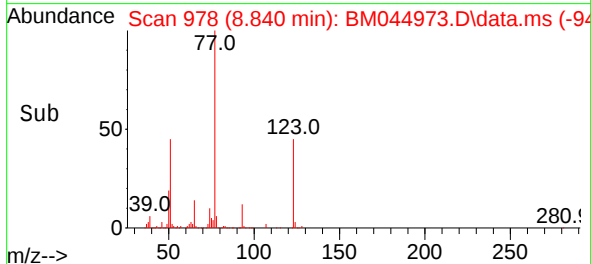
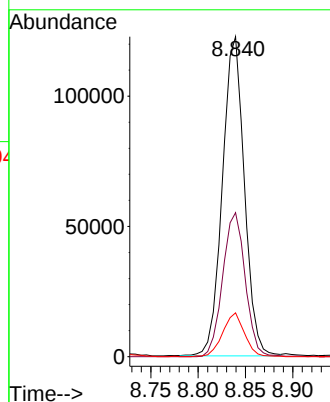
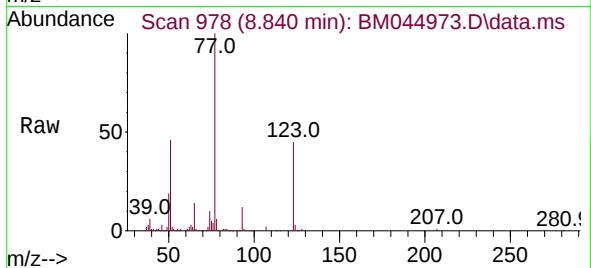




#22
Nitrobenzene
Concen: 26.437 ng/ul
RT: 8.840 min Scan# 978
Delta R.T. 0.000 min
Lab File: BM044973.D
Acq: 06 Apr 2024 16:40

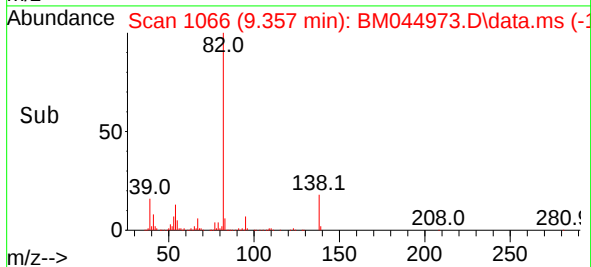
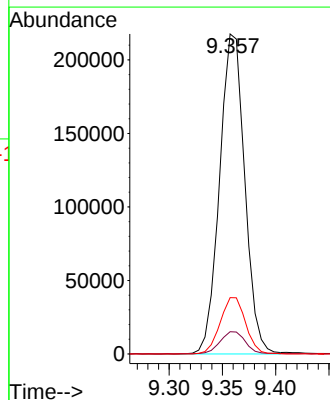
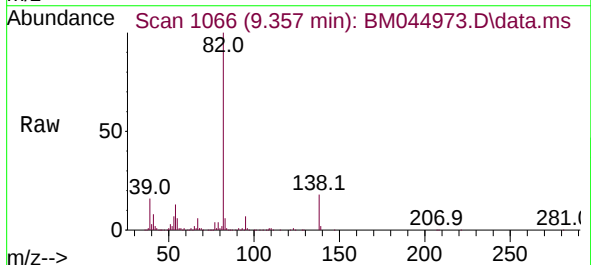
Instrument :
BNA_M
ClientSampleId :

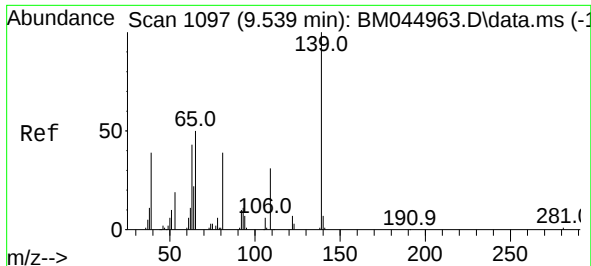
Tgt Ion: 77 Resp: 198126
Ion Ratio Lower Upper
77 100
123 45.0 37.4 56.2
65 13.7 10.7 16.1



#23
Isophorone
Concen: 25.955 ng/ul
RT: 9.357 min Scan# 1066
Delta R.T. 0.000 min
Lab File: BM044973.D
Acq: 06 Apr 2024 16:40

Tgt Ion: 82 Resp: 357376
Ion Ratio Lower Upper
82 100
95 6.9 5.1 7.7
138 17.6 14.2 21.4





#25

2-Nitrophenol

Concen: 28.228 ng/ul

RT: 9.539 min Scan# 1097

Delta R.T. -0.000 min

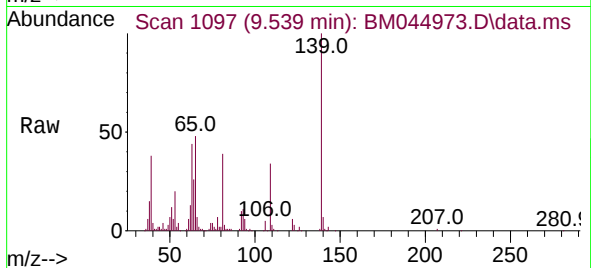
Lab File: BM044973.D

Acq: 06 Apr 2024 16:40

Instrument :

BNA_M

ClientSampleId :



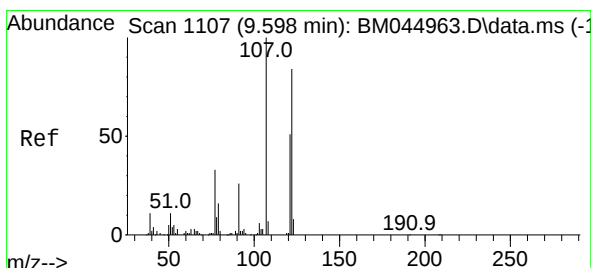
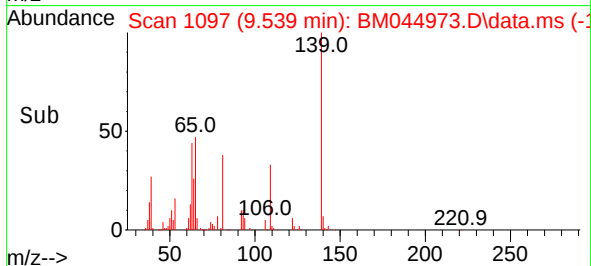
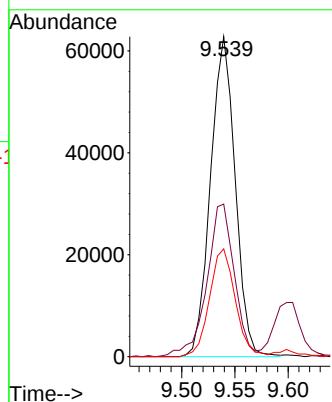
Tgt Ion:139 Resp: 101014

Ion Ratio Lower Upper

139 100

65 47.7 34.9 52.3

109 33.7 24.4 36.6



#26

2,4-Dimethylphenol

Concen: 26.997 ng/ul

RT: 9.598 min Scan# 1107

Delta R.T. -0.000 min

Lab File: BM044973.D

Acq: 06 Apr 2024 16:40

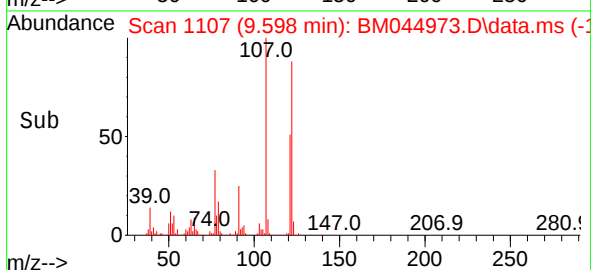
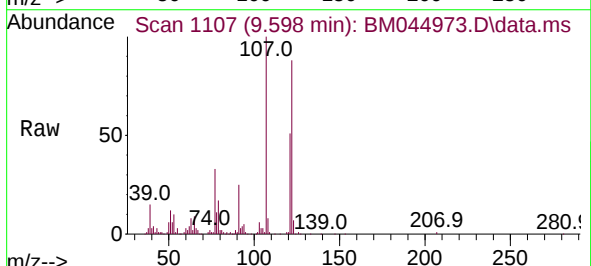
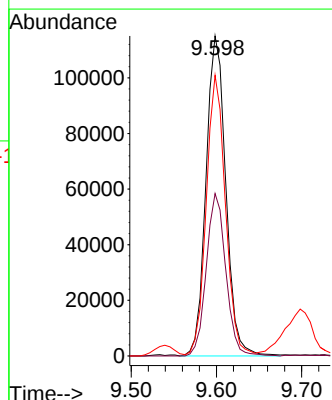
Tgt Ion:107 Resp: 186252

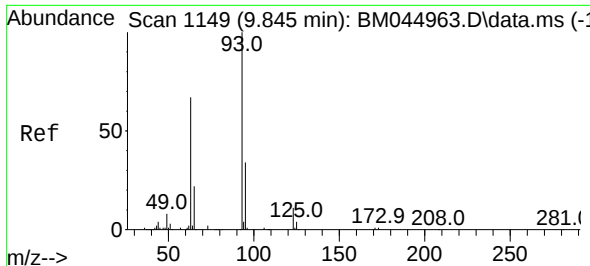
Ion Ratio Lower Upper

107 100

121 50.8 41.1 61.7

122 87.7 69.1 103.7





#27

Bis(2-Chloroethoxy)methane

Concen: 26.463 ng/ul

RT: 9.845 min Scan# 1149

Delta R.T. 0.000 min

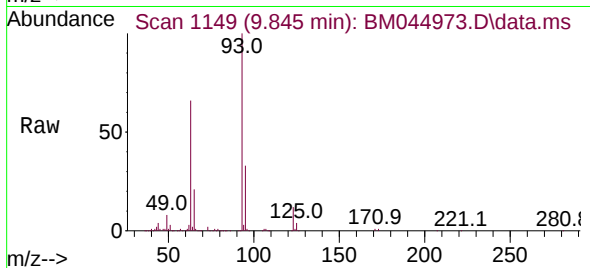
Lab File: BM044973.D

Acq: 06 Apr 2024 16:40

Instrument :

BNA_M

ClientSampleId :



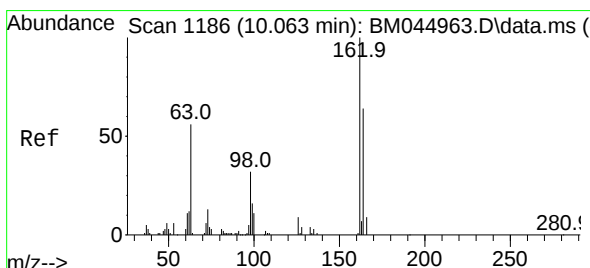
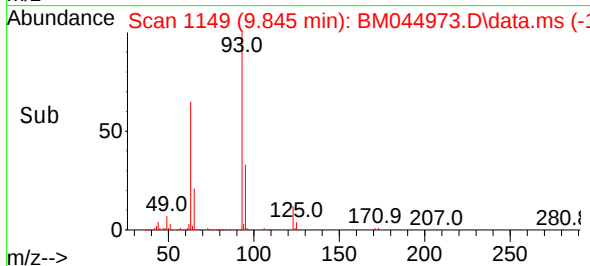
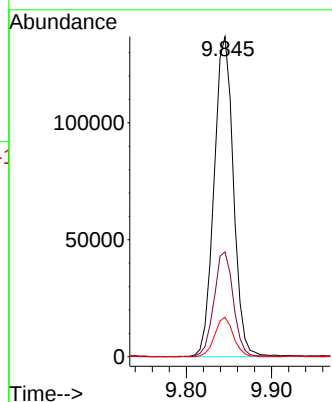
Tgt Ion: 93 Resp: 216014

Ion Ratio Lower Upper

93 100

95 32.7 26.9 40.3

123 12.3 9.1 13.7



#29

2,4-Dichlorophenol

Concen: 27.527 ng/ul

RT: 10.063 min Scan# 1186

Delta R.T. 0.000 min

Lab File: BM044973.D

Acq: 06 Apr 2024 16:40

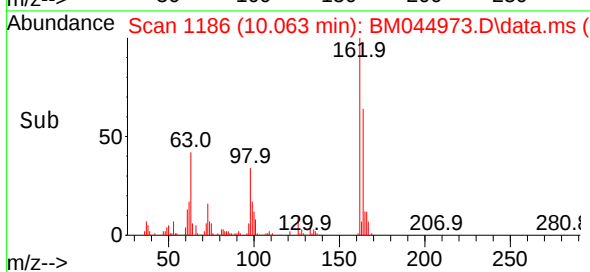
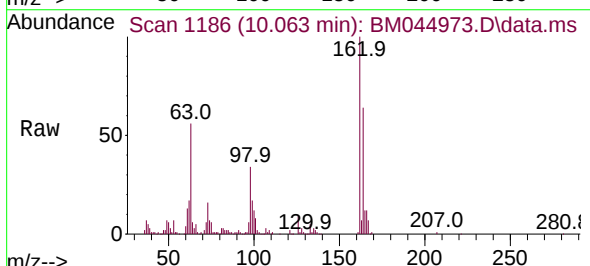
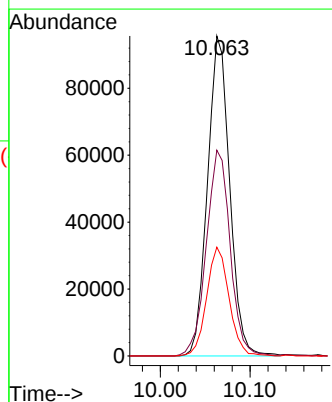
Tgt Ion:162 Resp: 164397

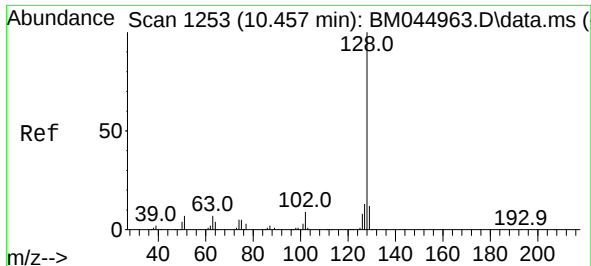
Ion Ratio Lower Upper

162 100

164 64.3 50.4 75.6

98 34.0 27.0 40.4





#30

Naphthalene

Concen: 25.460 ng/ul

RT: 10.457 min Scan# 1253

Delta R.T. -0.000 min

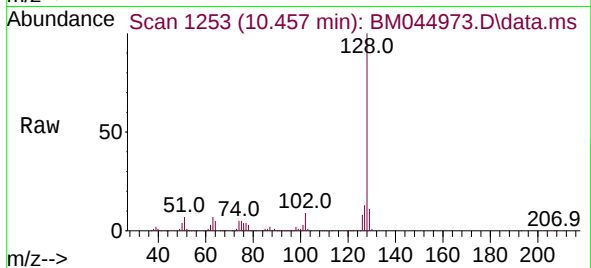
Lab File: BM044973.D

Acq: 06 Apr 2024 16:40

Instrument :

BNA_M

ClientSampleId :



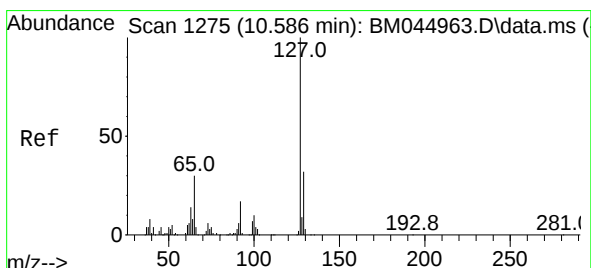
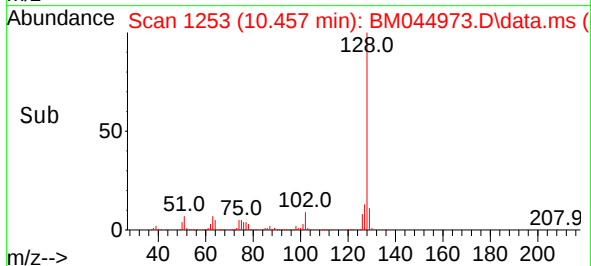
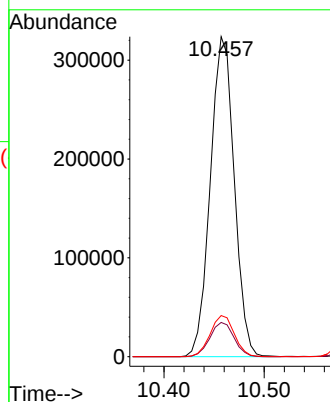
Tgt Ion:128 Resp: 535956

Ion Ratio Lower Upper

128 100

129 10.7 8.5 12.7

127 12.9 10.2 15.4



#32

4-Chloroaniline

Concen: 12.735 ng/ul

RT: 10.592 min Scan# 1276

Delta R.T. 0.006 min

Lab File: BM044973.D

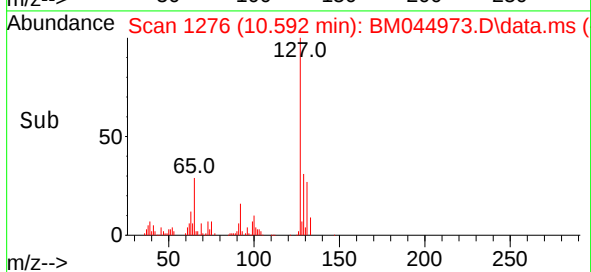
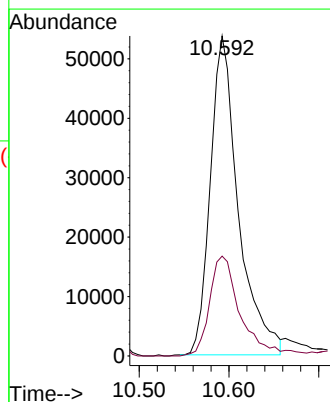
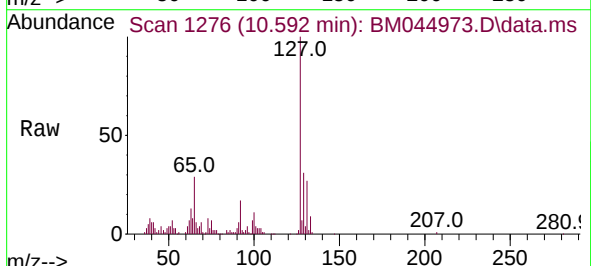
Acq: 06 Apr 2024 16:40

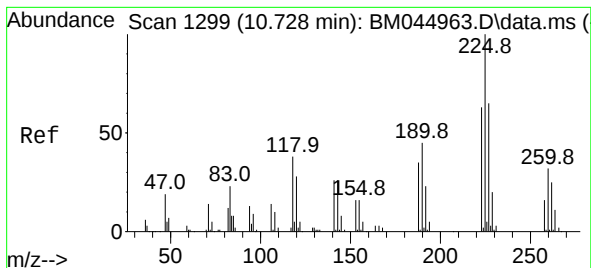
Tgt Ion:127 Resp: 116618

Ion Ratio Lower Upper

127 100

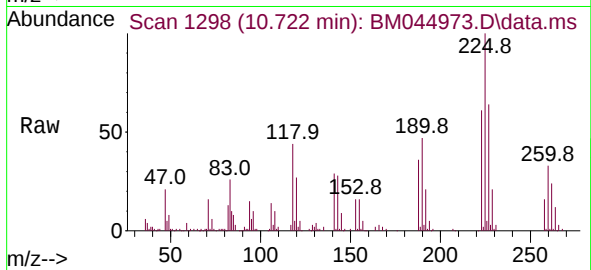
129 31.2 26.2 39.2



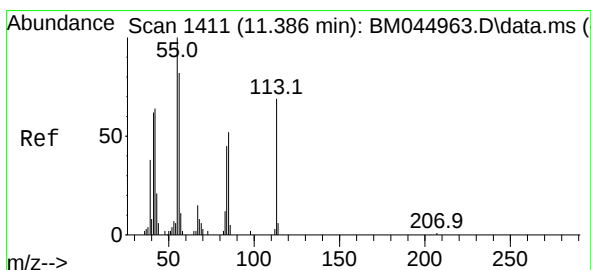
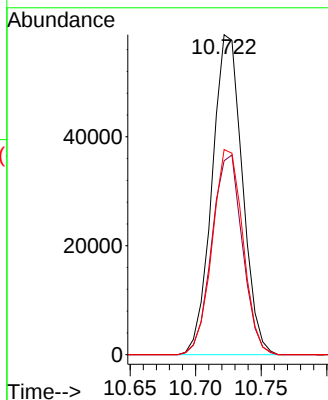
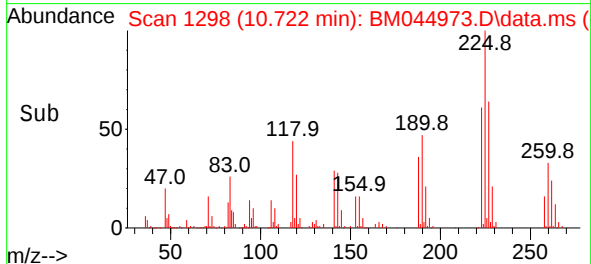


#33
Hexachlorobutadiene
Concen: 25.378 ng/ul
RT: 10.722 min Scan# 1299
Delta R.T. -0.006 min
Lab File: BM044973.D
Acq: 06 Apr 2024 16:40

Instrument :
BNA_M
ClientSampleId :

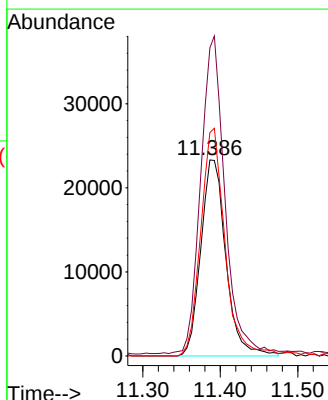
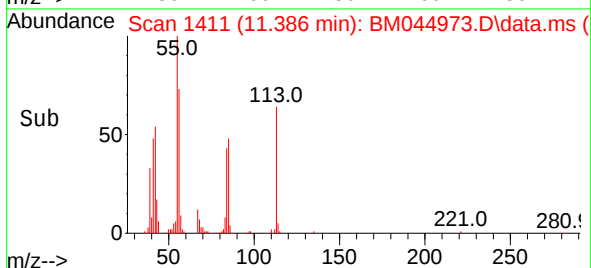
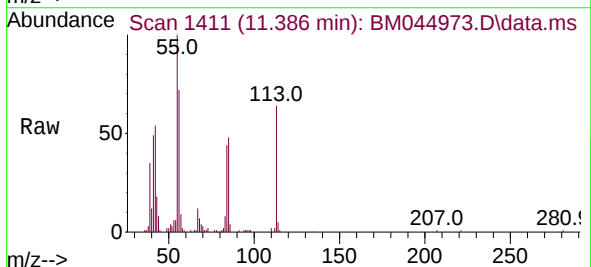


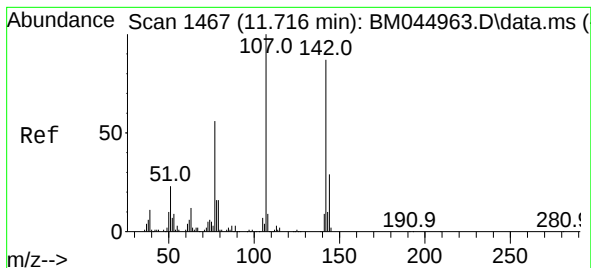
Tgt Ion:225 Resp: 94235
Ion Ratio Lower Upper
225 100
223 60.6 45.3 67.9
227 64.1 47.6 71.4



#34
Caprolactam
Concen: 25.939 ng/ul
RT: 11.386 min Scan# 1411
Delta R.T. -0.000 min
Lab File: BM044973.D
Acq: 06 Apr 2024 16:40

Tgt Ion:113 Resp: 52299
Ion Ratio Lower Upper
113 100
55 157.2 125.4 188.0
56 113.9 91.8 137.8

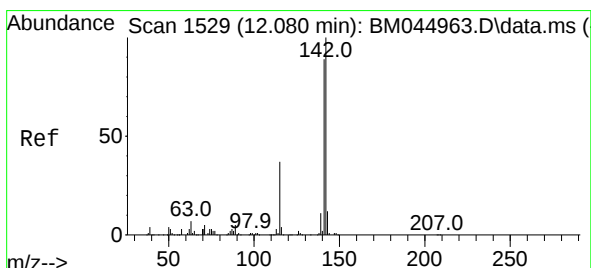
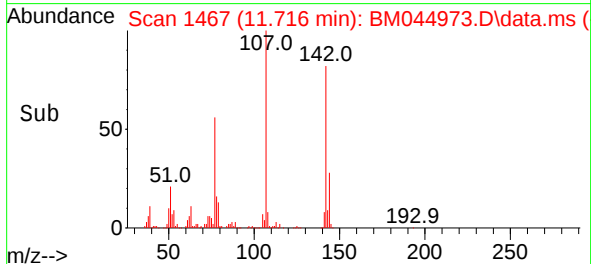
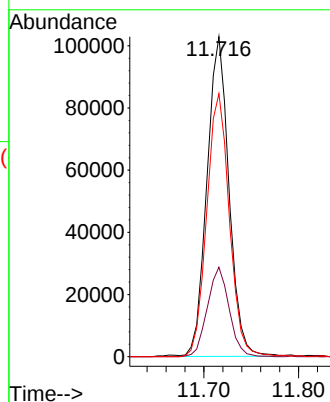
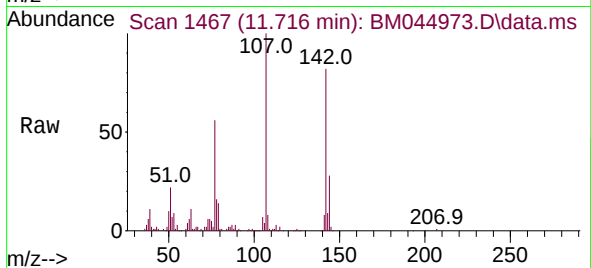




#35
4-Chloro-3-methylphenol
Concen: 27.923 ng/ul
RT: 11.716 min Scan# 1467
Delta R.T. 0.000 min
Lab File: BM044973.D
Acq: 06 Apr 2024 16:40

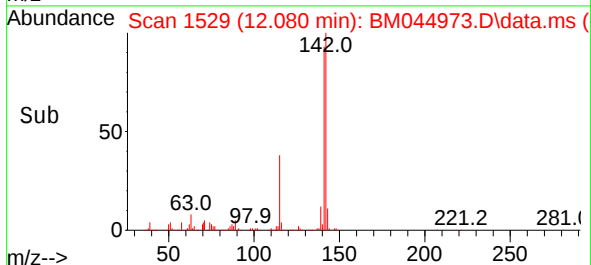
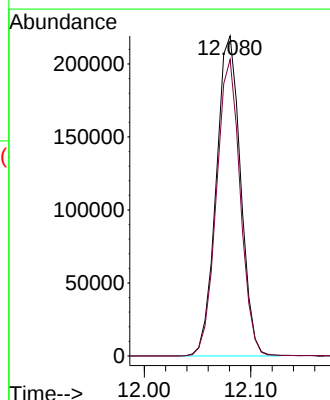
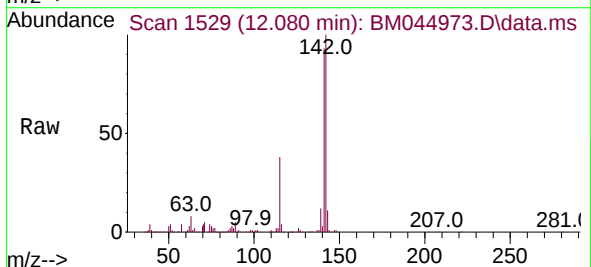
Instrument :
BNA_M
ClientSampleId :

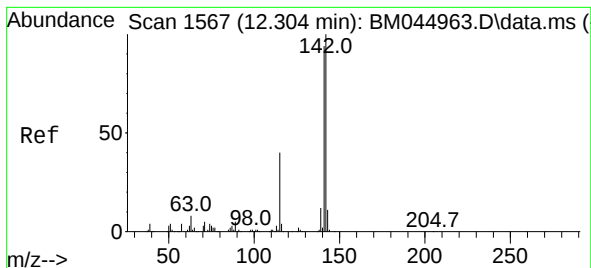
Tgt Ion:107 Resp: 165778
Ion Ratio Lower Upper
107 100
144 27.9 22.8 34.2
142 82.2 69.8 104.6



#36
2-Methylnaphthalene
Concen: 25.289 ng/ul
RT: 12.080 min Scan# 1529
Delta R.T. 0.000 min
Lab File: BM044973.D
Acq: 06 Apr 2024 16:40

Tgt Ion:142 Resp: 347601
Ion Ratio Lower Upper
142 100
141 92.6 72.3 108.5





#37

1-Methylnaphthalene

Concen: 25.403 ng/ul

RT: 12.304 min Scan# 1567

Delta R.T. 0.000 min

Lab File: BM044973.D

Acq: 06 Apr 2024 16:40

Instrument :

BNA_M

ClientSampleId :

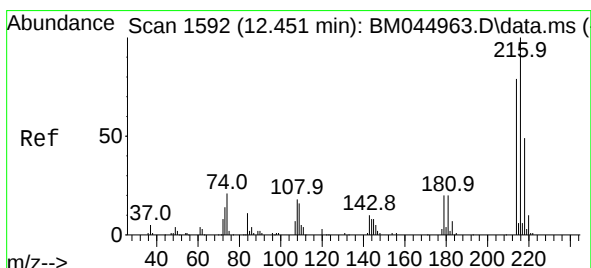
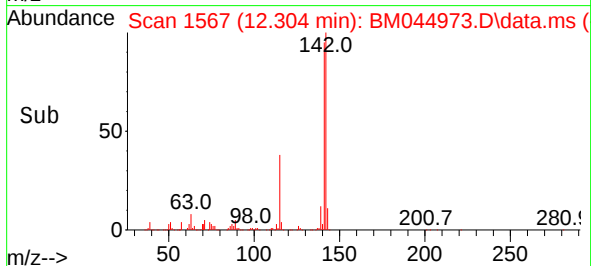
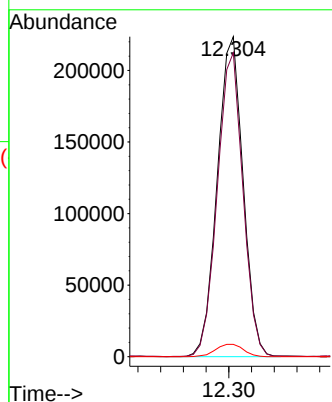
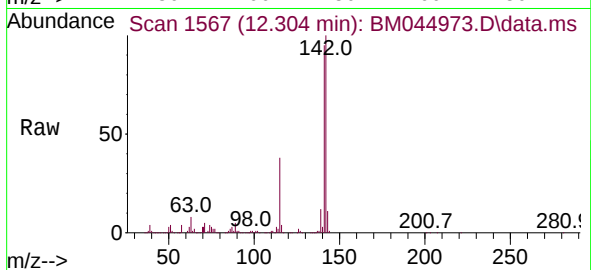
Tgt Ion:142 Resp: 353333

Ion Ratio Lower Upper

142 100

141 95.0 77.2 115.8

116 3.8 3.2 4.8



#39

1,2,4,5-Tetrachlorobenzene

Concen: 26.755 ng/ul

RT: 12.451 min Scan# 1592

Delta R.T. 0.000 min

Lab File: BM044973.D

Acq: 06 Apr 2024 16:40

Tgt Ion:216 Resp: 175227

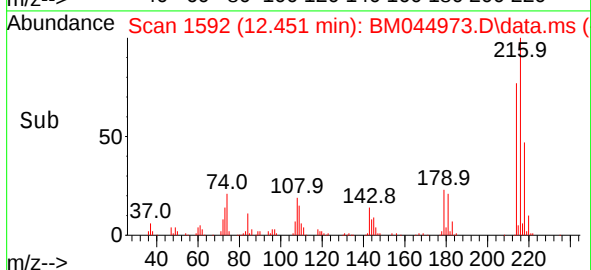
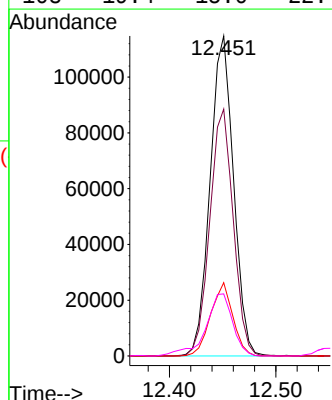
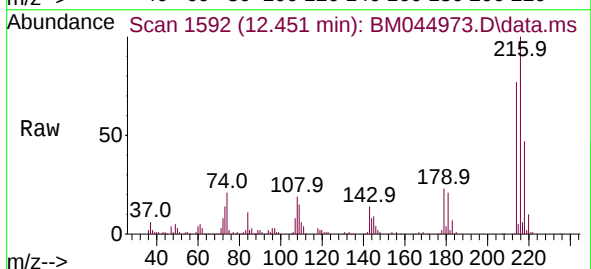
Ion Ratio Lower Upper

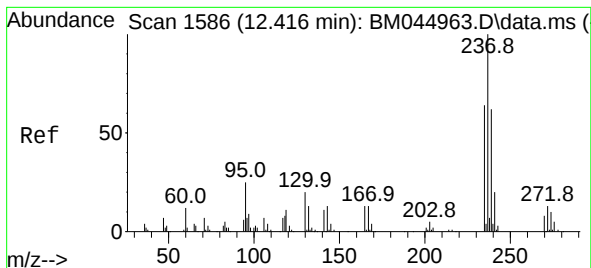
216 100

214 77.1 63.5 95.3

179 22.9 16.6 25.0

108 19.4 15.0 22.4





#40

Hexachlorocyclopentadiene

Concen: 20.206 ng/ul

RT: 12.416 min Scan# 1586

Delta R.T. -0.000 min

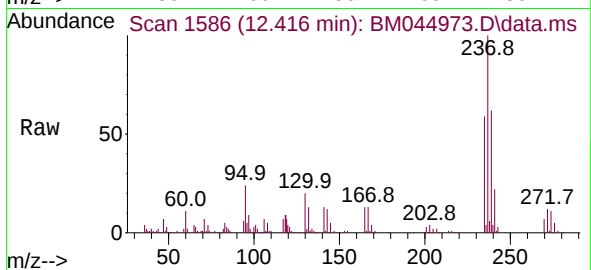
Lab File: BM044973.D

Acq: 06 Apr 2024 16:40

Instrument :

BNA_M

ClientSampleId :



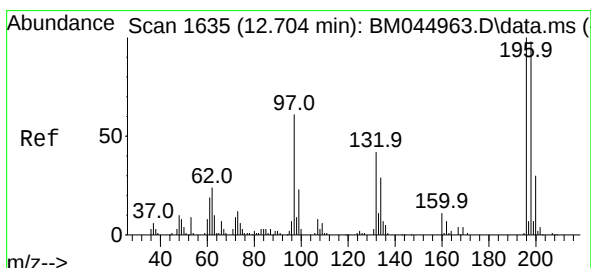
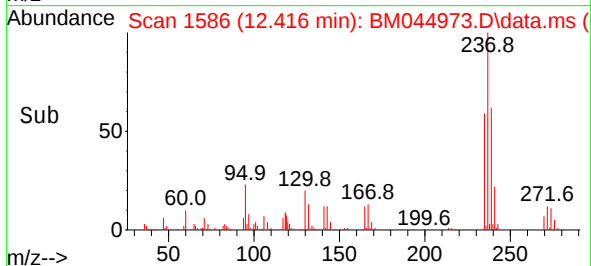
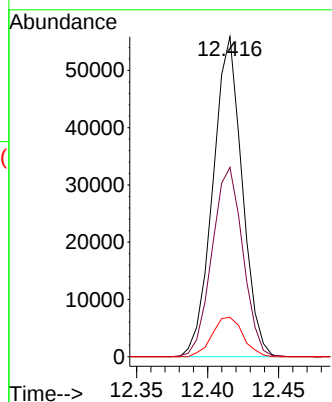
Tgt Ion:237 Resp: 80109

Ion Ratio Lower Upper

237 100

235 59.2 51.3 76.9

272 12.3 10.1 15.1



#41

2,4,6-Trichlorophenol

Concen: 29.383 ng/ul

RT: 12.704 min Scan# 1635

Delta R.T. -0.000 min

Lab File: BM044973.D

Acq: 06 Apr 2024 16:40

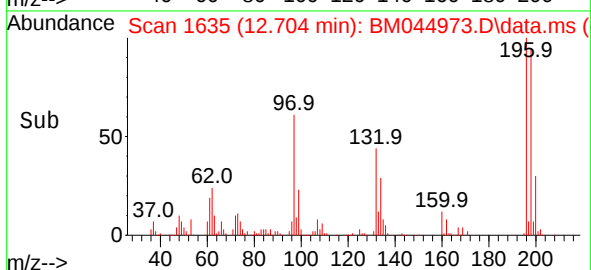
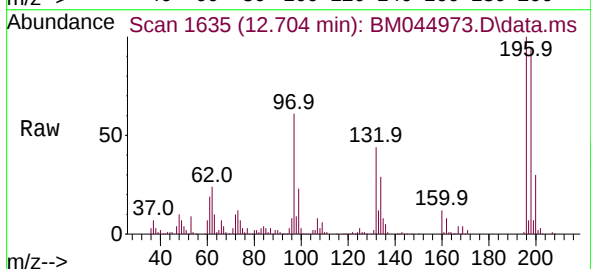
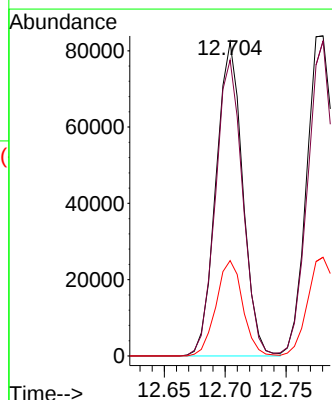
Tgt Ion:196 Resp: 125534

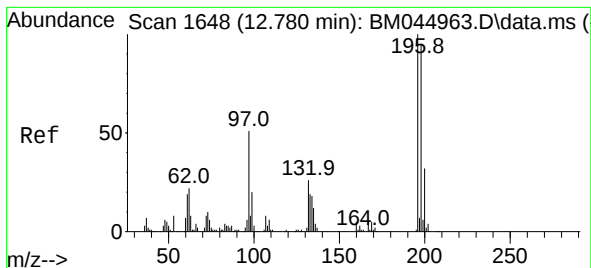
Ion Ratio Lower Upper

196 100

198 94.4 79.4 119.2

200 30.4 25.0 37.4





#42

2,4,5-Trichlorophenol

Concen: 28.538 ng/ul

RT: 12.780 min Scan# 1

Delta R.T. -0.000 min

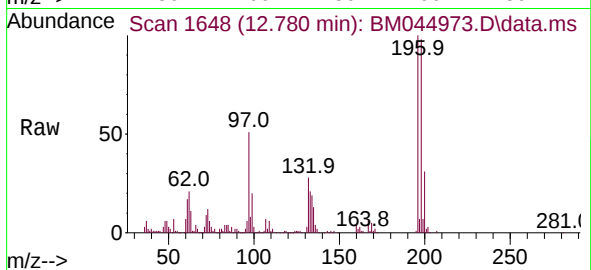
Lab File: BM044973.D

Acq: 06 Apr 2024 16:40

Instrument :

BNA_M

ClientSampleId :



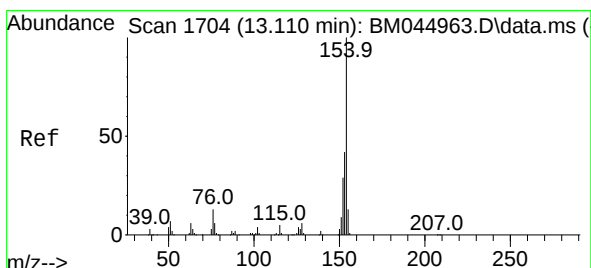
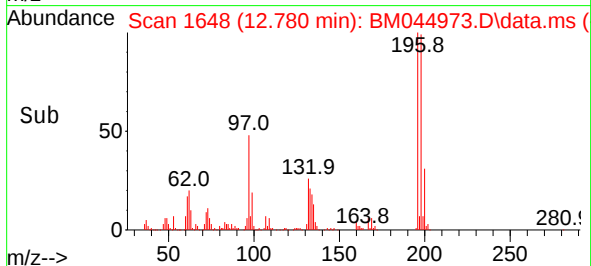
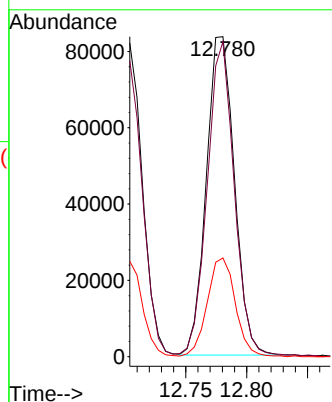
Tgt Ion:196 Resp: 134341

Ion Ratio Lower Upper

196 100

198 98.4 79.9 119.9

200 30.9 25.6 38.4



#43

1,1'-Biphenyl

Concen: 26.490 ng/ul

RT: 13.110 min Scan# 1704

Delta R.T. -0.000 min

Lab File: BM044973.D

Acq: 06 Apr 2024 16:40

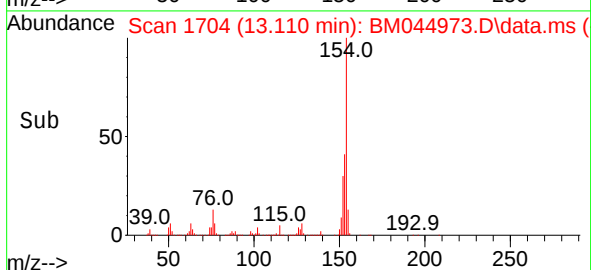
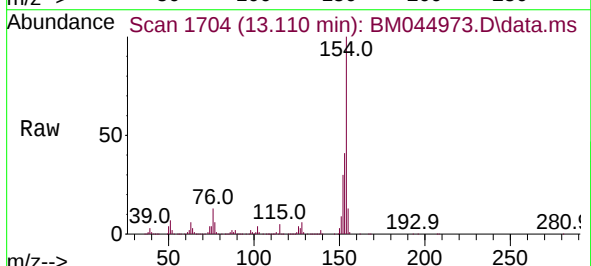
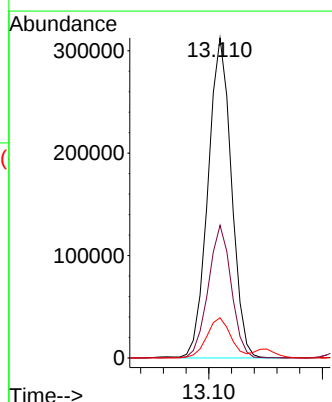
Tgt Ion:154 Resp: 447976

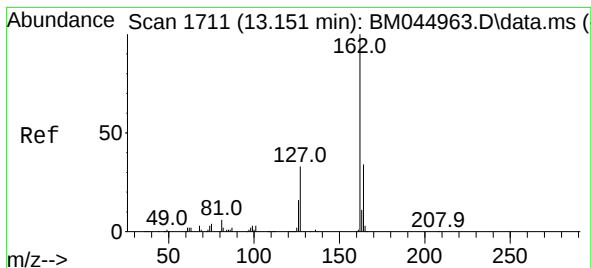
Ion Ratio Lower Upper

154 100

153 41.4 31.6 47.4

76 12.6 10.4 15.6





#44

2-Chloronaphthalene

Concen: 25.882 ng/ul

RT: 13.151 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM044973.D

Acq: 06 Apr 2024 16:40

Instrument :

BNA_M

ClientSampleId :

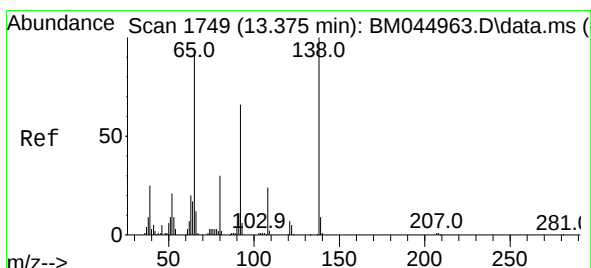
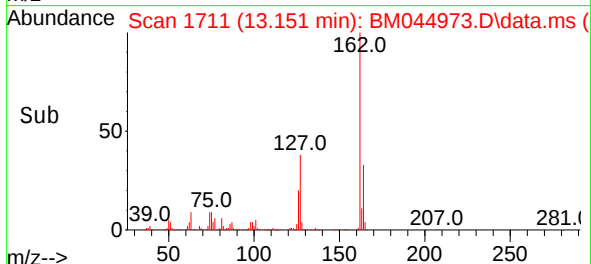
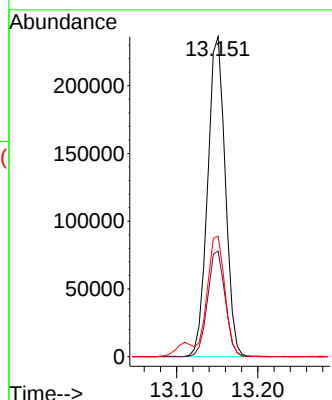
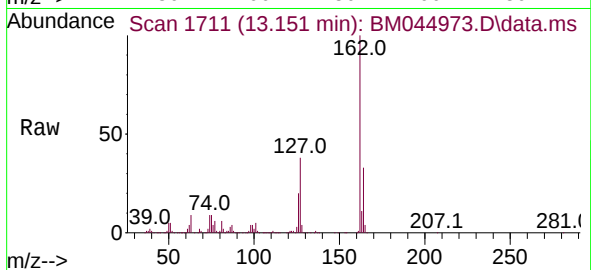
Tgt Ion:162 Resp: 355589

Ion Ratio Lower Upper

162 100

164 33.0 26.1 39.1

127 37.6 30.1 45.1



#45

2-Nitroaniline

Concen: 28.645 ng/ul

RT: 13.375 min Scan# 1749

Delta R.T. 0.000 min

Lab File: BM044973.D

Acq: 06 Apr 2024 16:40

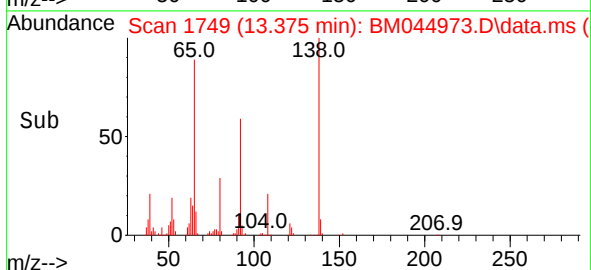
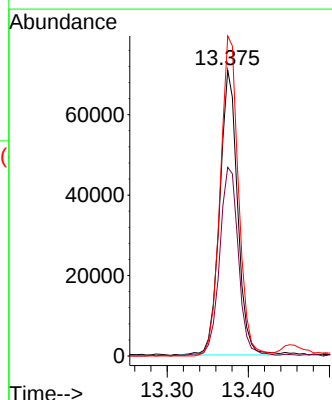
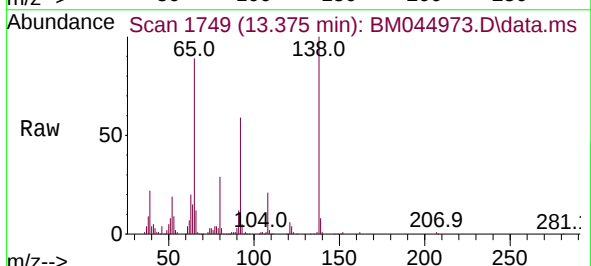
Tgt Ion: 65 Resp: 108638

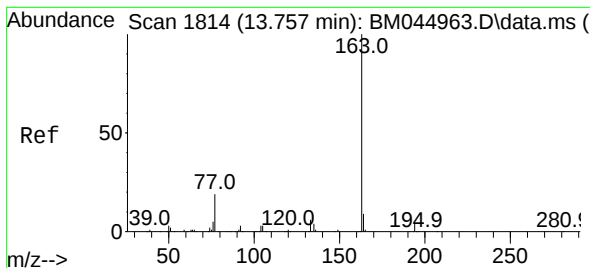
Ion Ratio Lower Upper

65 100

92 66.0 55.2 82.8

138 112.0 93.0 139.4





#47

Dimethylphthalate

Concen: 24.981 ng/ul

RT: 13.757 min Scan# 1814

Delta R.T. -0.000 min

Lab File: BM044973.D

Acq: 06 Apr 2024 16:40

Instrument :

BNA_M

ClientSampleId :

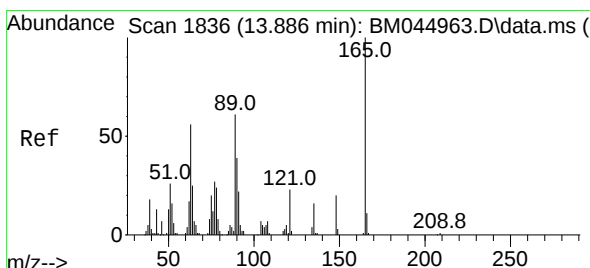
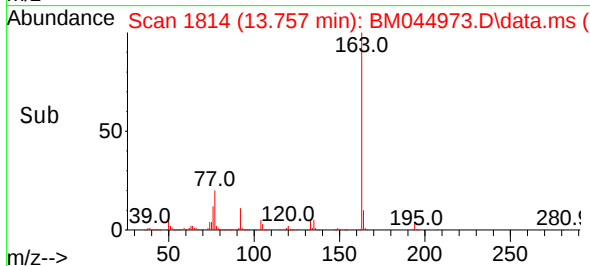
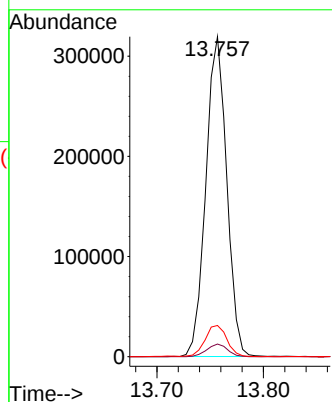
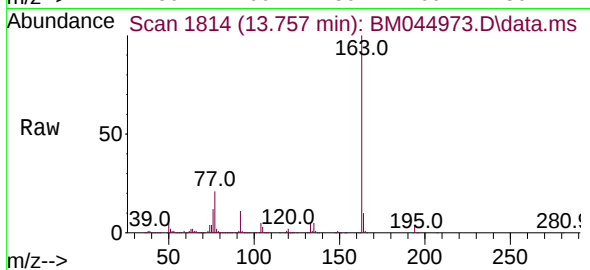
Tgt Ion:163 Resp: 435383

Ion Ratio Lower Upper

163 100

194 3.9 2.8 4.2

164 9.7 7.8 11.8



#48

2,6-Dinitrotoluene

Concen: 26.366 ng/ul

RT: 13.886 min Scan# 1836

Delta R.T. 0.000 min

Lab File: BM044973.D

Acq: 06 Apr 2024 16:40

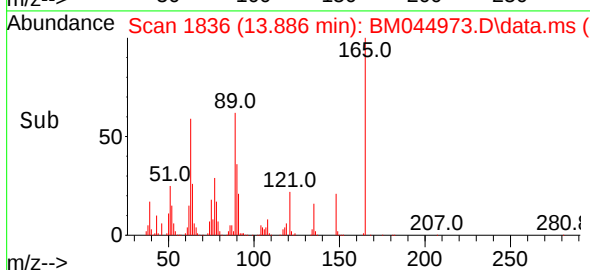
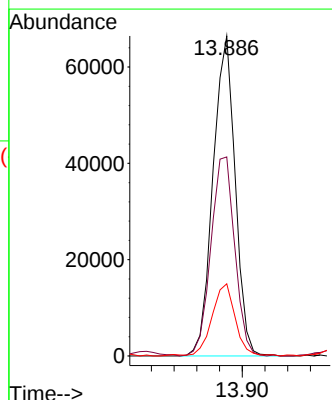
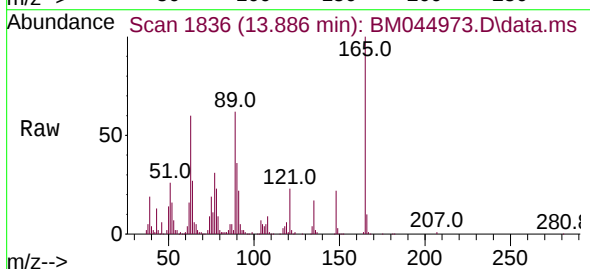
Tgt Ion:165 Resp: 90069

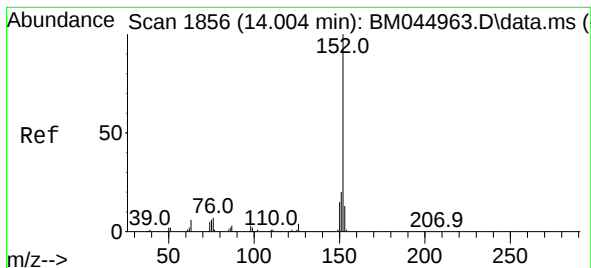
Ion Ratio Lower Upper

165 100

89 62.2 45.0 67.4

121 22.6 18.0 27.0





#50

Acenaphthylene

Concen: 25.066 ng/ul

RT: 14.004 min Scan# 1856

Delta R.T. -0.000 min

Lab File: BM044973.D

Acq: 06 Apr 2024 16:40

Instrument :

BNA_M

ClientSampleId :

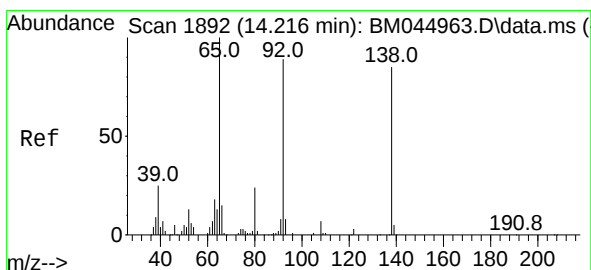
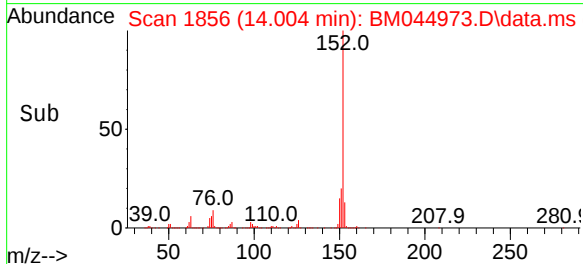
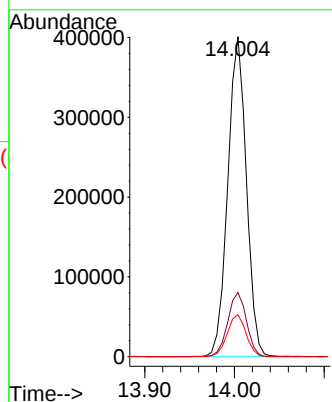
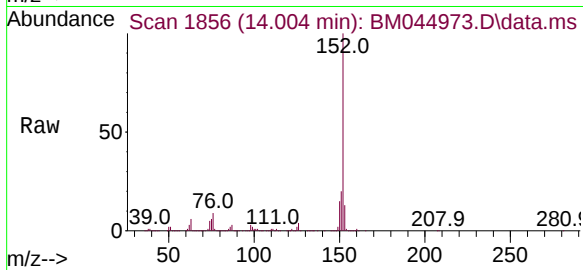
Tgt Ion:152 Resp: 576688

Ion Ratio Lower Upper

152 100

151 20.1 16.0 24.0

153 13.1 10.2 15.2



#51

3-Nitroaniline

Concen: 3.562 ng/ul

RT: 14.233 min Scan# 1895

Delta R.T. 0.018 min

Lab File: BM044973.D

Acq: 06 Apr 2024 16:40

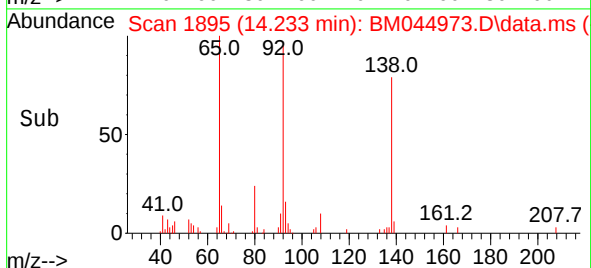
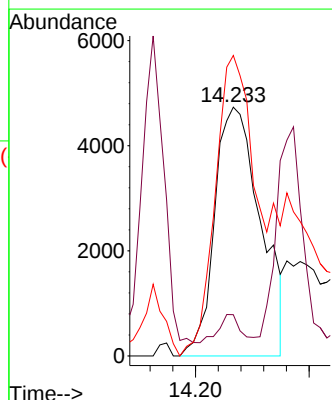
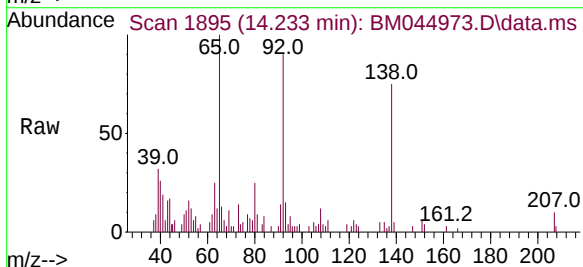
Tgt Ion:138 Resp: 13271

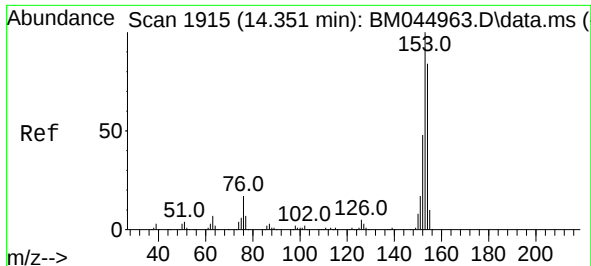
Ion Ratio Lower Upper

138 100

108 16.6 6.5 9.7#

92 120.8 81.4 122.0





#52

Acenaphthene

Concen: 24.888 ng/ul

RT: 14.345 min Scan# 1914

Delta R.T. -0.006 min

Lab File: BM044973.D

Acq: 06 Apr 2024 16:40

Instrument :

BNA_M

ClientSampleId :

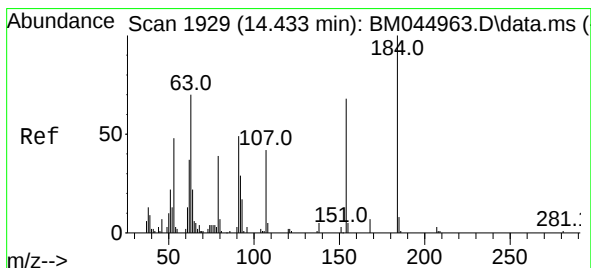
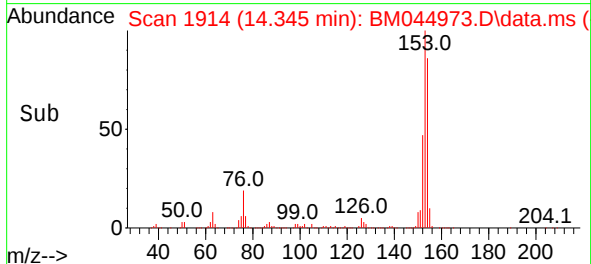
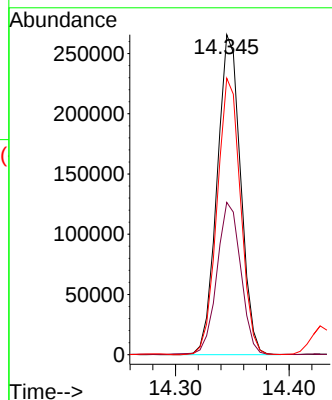
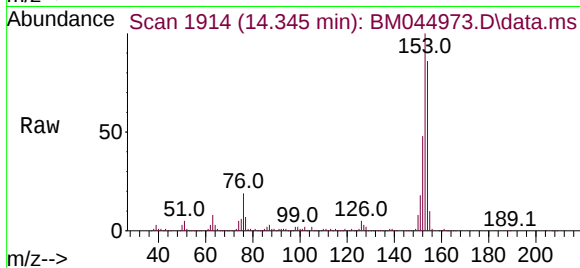
Tgt Ion:153 Resp: 382078

Ion Ratio Lower Upper

153 100

152 47.6 38.6 58.0

154 86.4 69.4 104.2



#53

2,4-Dinitrophenol

Concen: 24.470 ng/ul

RT: 14.427 min Scan# 1928

Delta R.T. -0.006 min

Lab File: BM044973.D

Acq: 06 Apr 2024 16:40

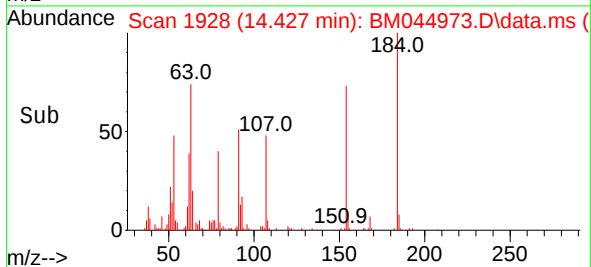
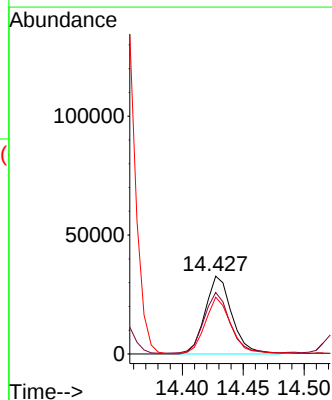
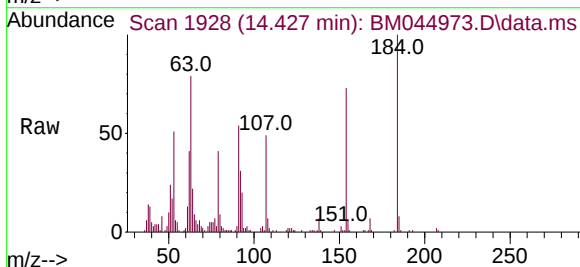
Tgt Ion:184 Resp: 49698

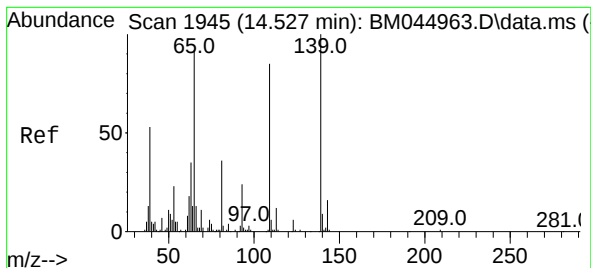
Ion Ratio Lower Upper

184 100

63 79.2 56.9 85.3

154 73.1 50.3 75.5

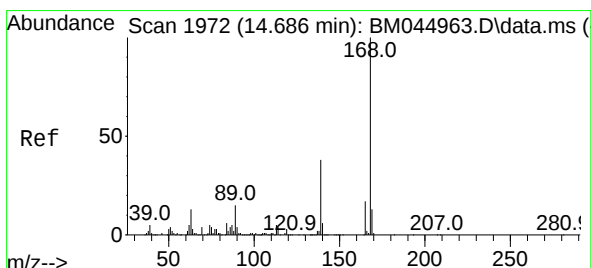
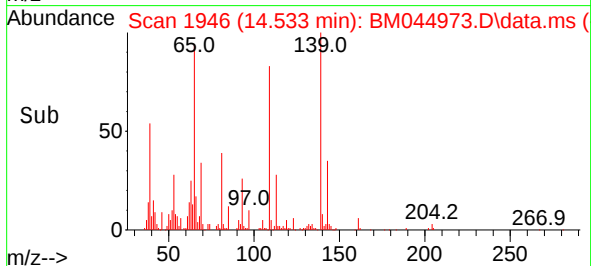
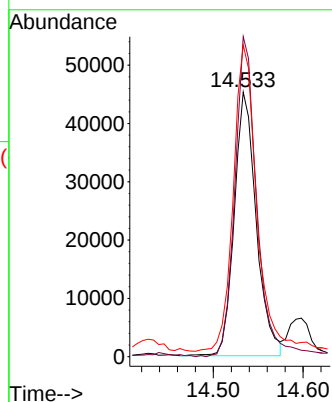
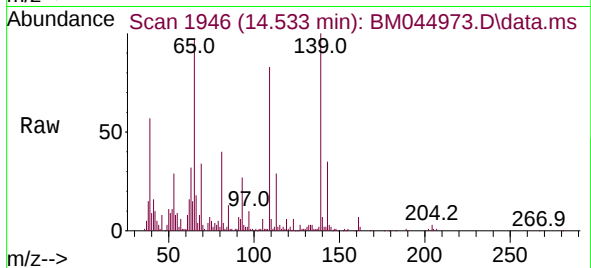




#55
4-Nitrophenol
Concen: 25.182 ng/ul
RT: 14.533 min Scan# 1946
Delta R.T. 0.006 min
Lab File: BM044973.D
Acq: 06 Apr 2024 16:40

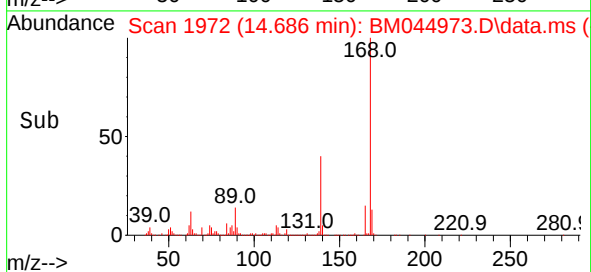
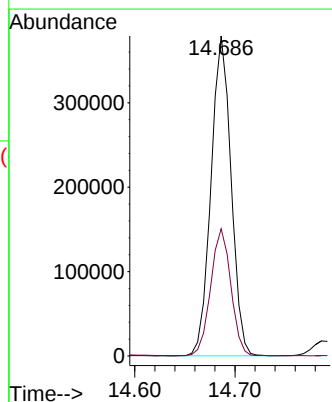
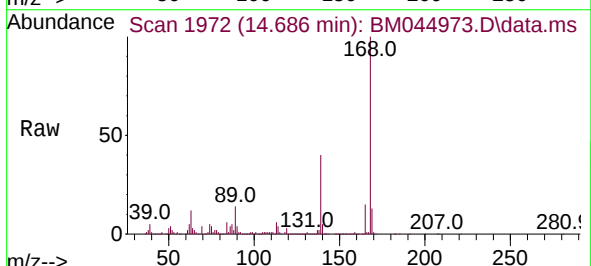
Instrument :
BNA_M
ClientSampleId :

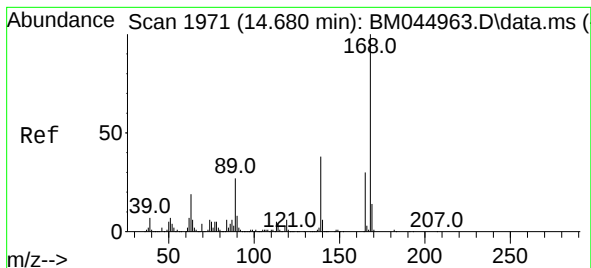
Tgt Ion:109 Resp: 77070
Ion Ratio Lower Upper
109 100
139 120.9 107.7 161.5
65 117.8 96.3 144.5



#56
Dibenzofuran
Concen: 25.115 ng/ul
RT: 14.686 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BM044973.D
Acq: 06 Apr 2024 16:40

Tgt Ion:168 Resp: 527615
Ion Ratio Lower Upper
168 100
139 39.8 30.6 46.0





#57

2,4-Dinitrotoluene

Concen: 26.357 ng/ul

RT: 14.674 min Scan# 1971

Delta R.T. -0.006 min

Lab File: BM044973.D

Acq: 06 Apr 2024 16:40

Instrument :

BNA_M

ClientSampleId :

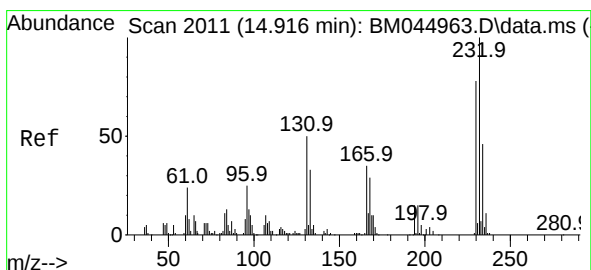
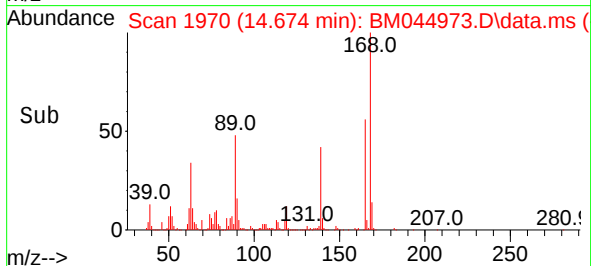
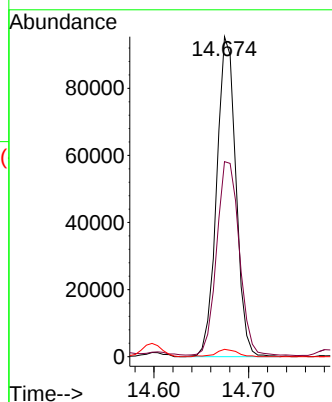
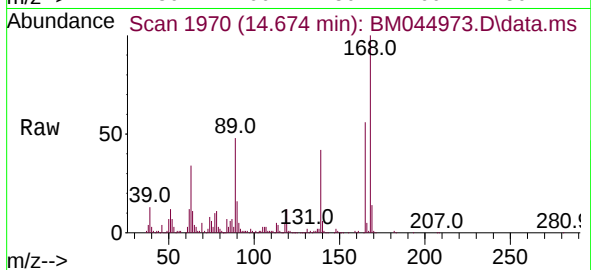
Tgt Ion:165 Resp: 134771

Ion Ratio Lower Upper

165 100

63 60.9 52.0 78.0

182 2.3 2.3 3.5#



#58

2,3,4,6-Tetrachlorophenol

Concen: 27.561 ng/ul

RT: 14.916 min Scan# 2011

Delta R.T. -0.000 min

Lab File: BM044973.D

Acq: 06 Apr 2024 16:40

Tgt Ion:232 Resp: 111038

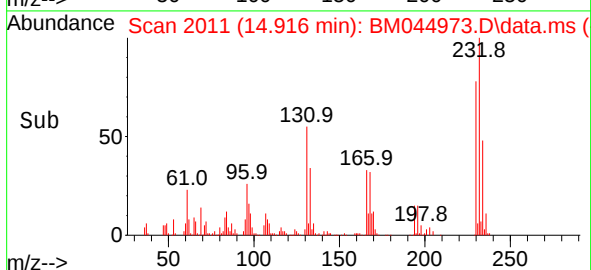
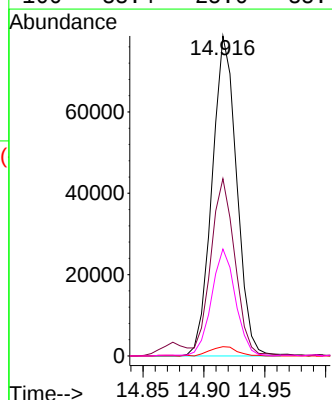
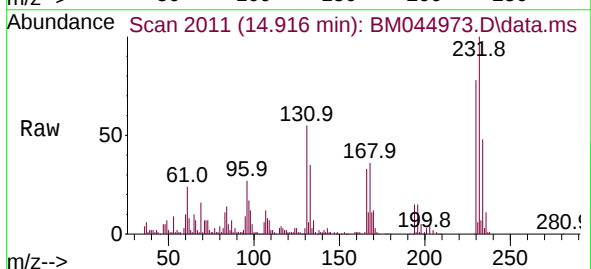
Ion Ratio Lower Upper

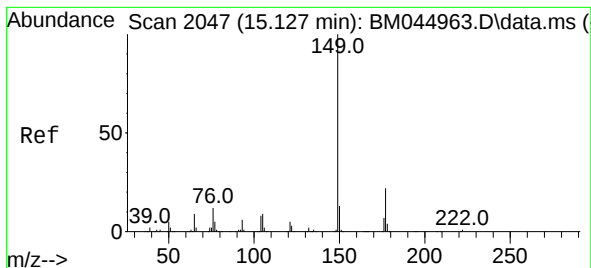
232 100

131 55.4 43.4 65.0

130 2.9 2.6 4.0

166 33.4 25.6 38.4





#59

Diethylphthalate

Concen: 26.547 ng/ul

RT: 15.127 min Scan# 2047

Delta R.T. -0.000 min

Lab File: BM044973.D

Acq: 06 Apr 2024 16:40

Instrument :

BNA_M

ClientSampleId :

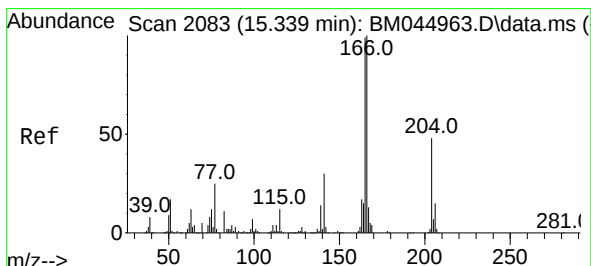
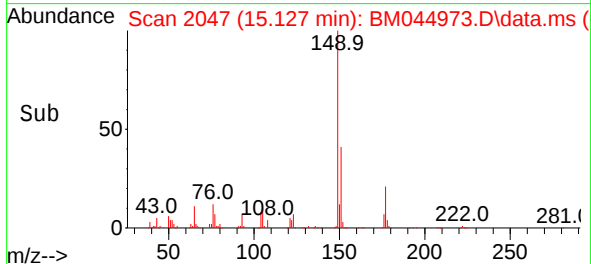
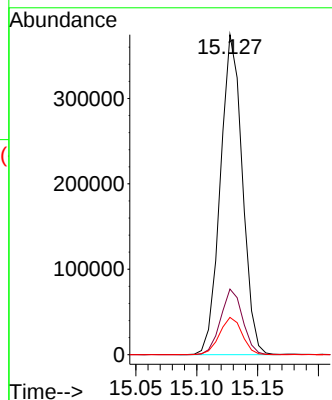
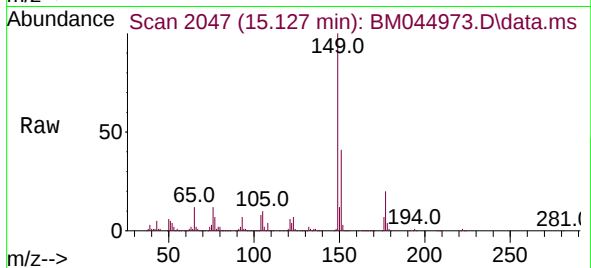
Tgt Ion:149 Resp: 472025

Ion Ratio Lower Upper

149 100

177 20.5 16.4 24.6

150 11.7 10.3 15.5



#61

Fluorene

Concen: 24.869 ng/ul

RT: 15.339 min Scan# 2083

Delta R.T. -0.000 min

Lab File: BM044973.D

Acq: 06 Apr 2024 16:40

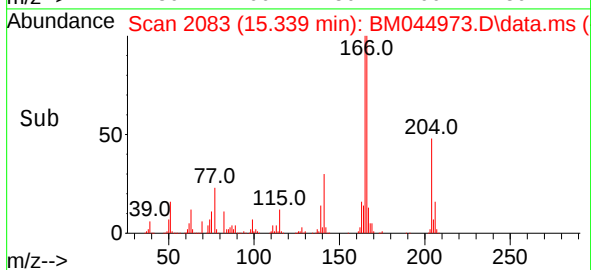
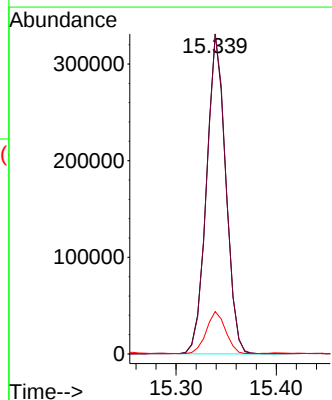
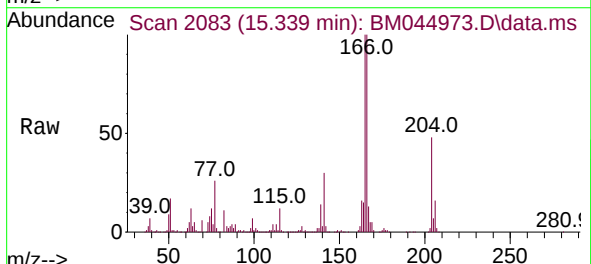
Tgt Ion:166 Resp: 440329

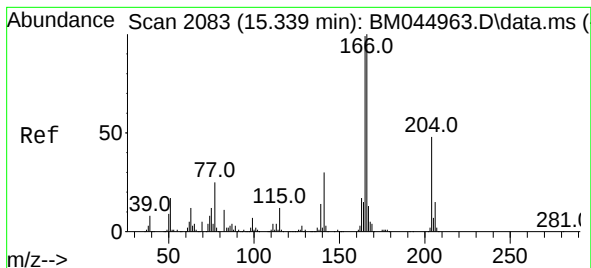
Ion Ratio Lower Upper

166 100

165 100.0 80.5 120.7

167 13.3 11.0 16.6

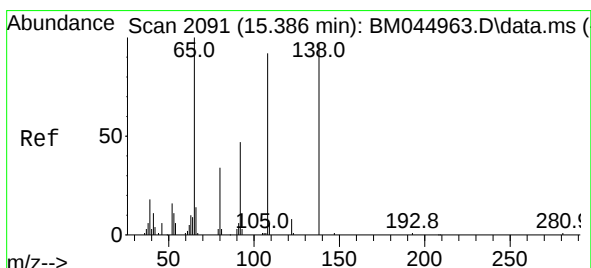
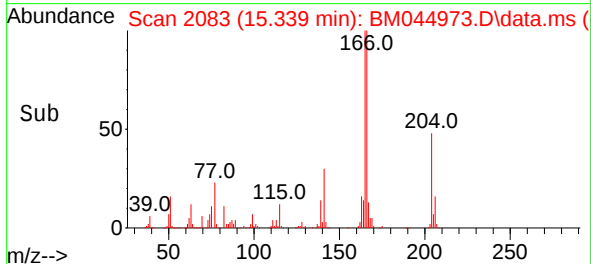
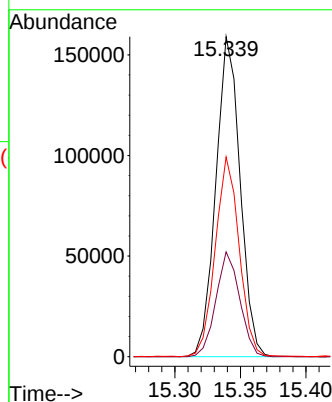
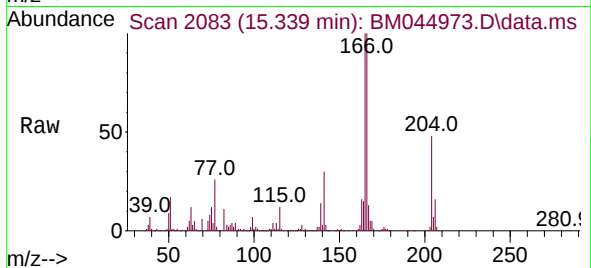




#62
4-Chlorophenyl-phenylether
Concen: 24.640 ng/ul
RT: 15.339 min Scan# 2083
Delta R.T. -0.000 min
Lab File: BM044973.D
Acq: 06 Apr 2024 16:40

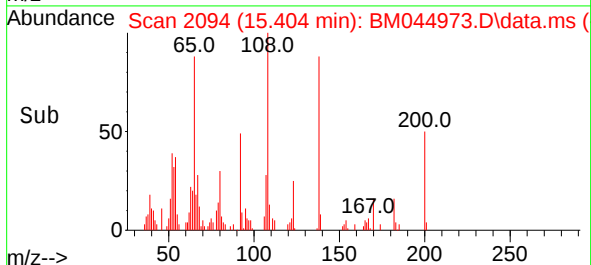
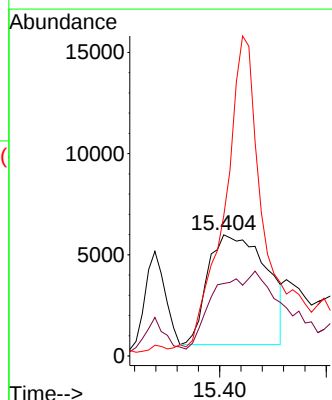
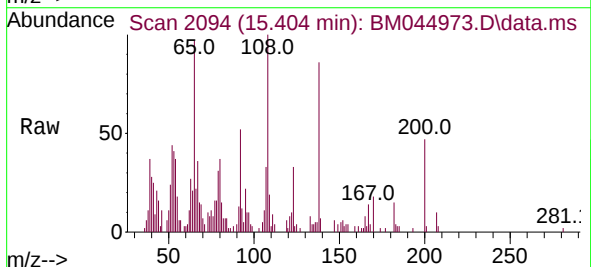
Instrument :
BNA_M
ClientSampleId :

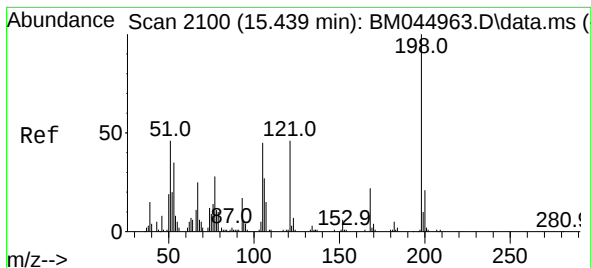
Tgt Ion:204 Resp: 204490
Ion Ratio Lower Upper
204 100
206 32.7 24.9 37.3
141 62.4 46.2 69.2



#63
4-Nitroaniline
Concen: 6.112 ng/ul
RT: 15.404 min Scan# 2094
Delta R.T. 0.018 min
Lab File: BM044973.D
Acq: 06 Apr 2024 16:40

Tgt Ion:138 Resp: 20707
Ion Ratio Lower Upper
138 100
92 59.9 39.8 59.6#
108 115.7 66.4 99.6#

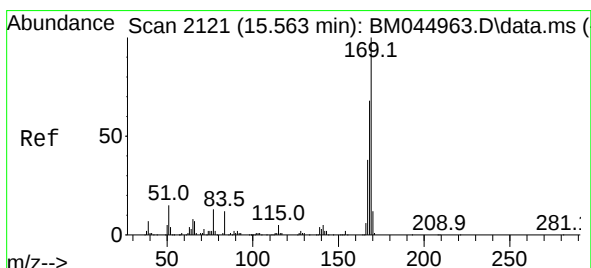
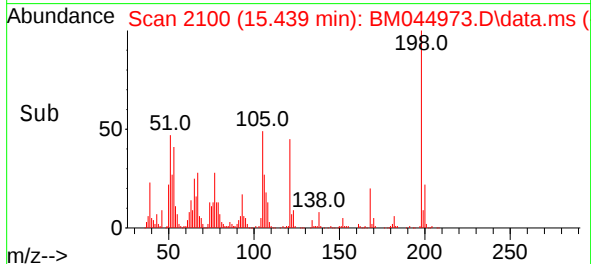
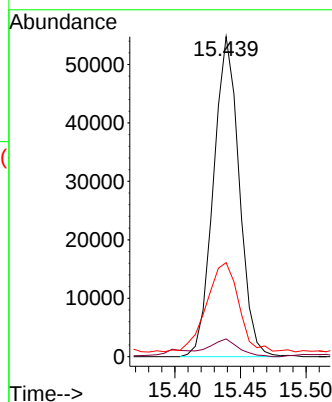
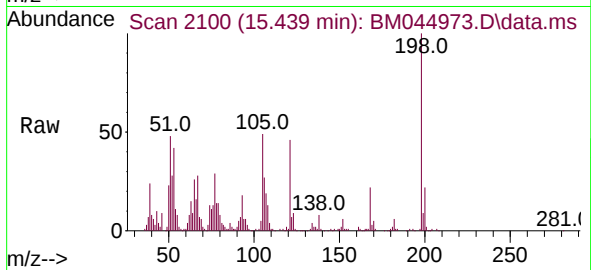




#66
 4,6-Dinitro-2-methylphenol
 Concen: 24.067 ng/ul
 RT: 15.439 min Scan# 2100
 Delta R.T. -0.000 min
 Lab File: BM044973.D
 Acq: 06 Apr 2024 16:40

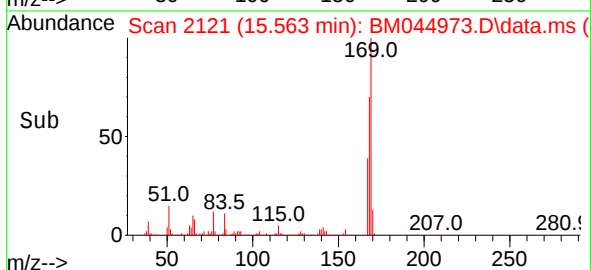
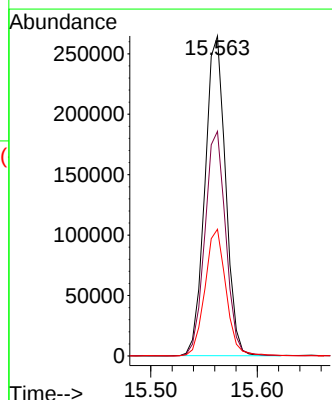
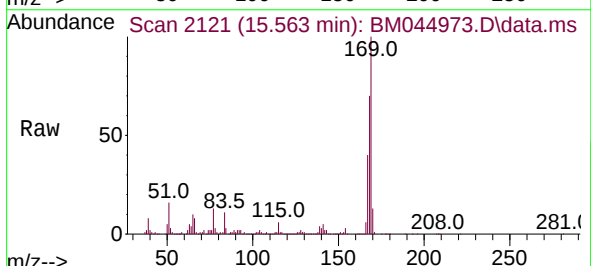
Instrument :
 BNA_M
 ClientSampleId :

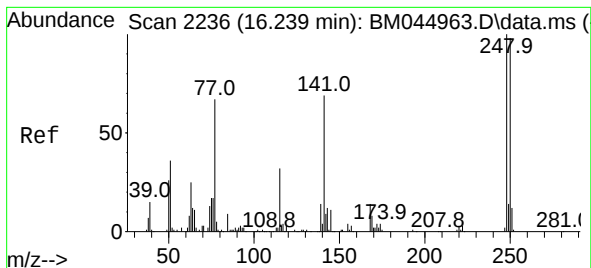
Tgt Ion:198 Resp: 74777
 Ion Ratio Lower Upper
 198 100
 182 5.5 3.8 5.6
 77 29.4 24.6 37.0



#67
 N-Nitrosodiphenylamine
 Concen: 26.957 ng/ul
 RT: 15.563 min Scan# 2121
 Delta R.T. -0.000 min
 Lab File: BM044973.D
 Acq: 06 Apr 2024 16:40

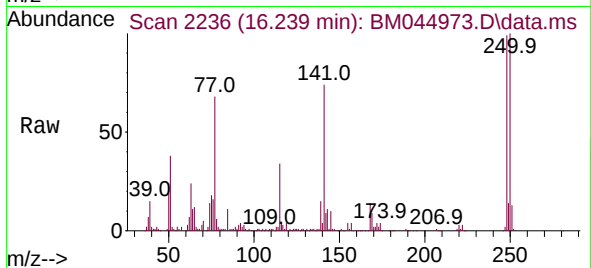
Tgt Ion:169 Resp: 355824
 Ion Ratio Lower Upper
 169 100
 168 70.2 56.7 85.1
 167 39.6 31.2 46.8



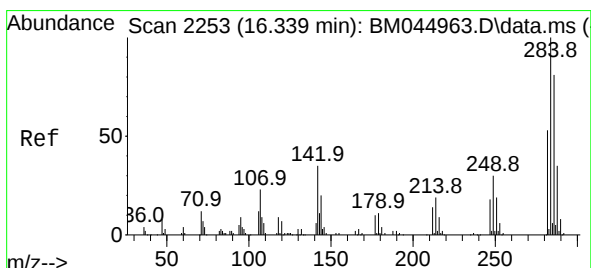
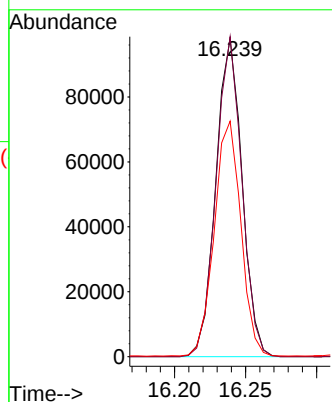
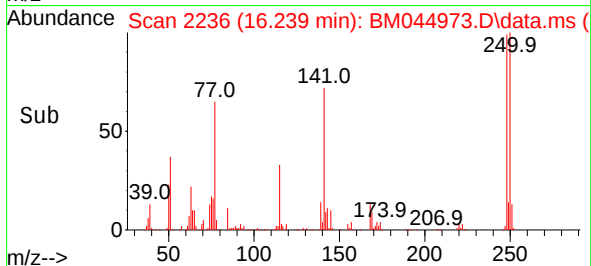


#68
4-Bromophenyl-phenylether
Concen: 26.444 ng/ul
RT: 16.239 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM044973.D
Acq: 06 Apr 2024 16:40

Instrument :
BNA_M
ClientSampleId :

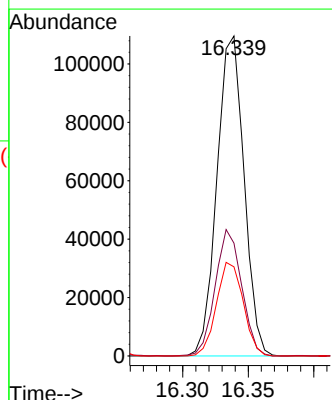
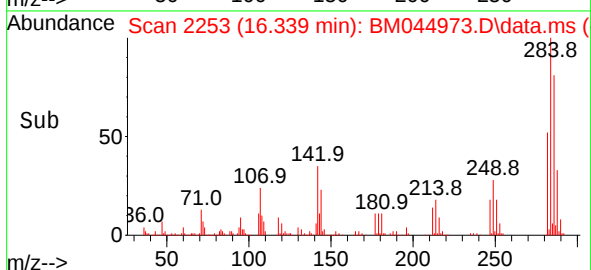
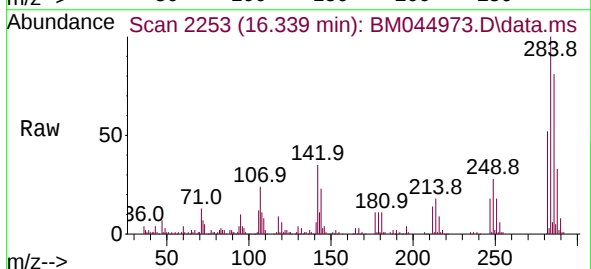


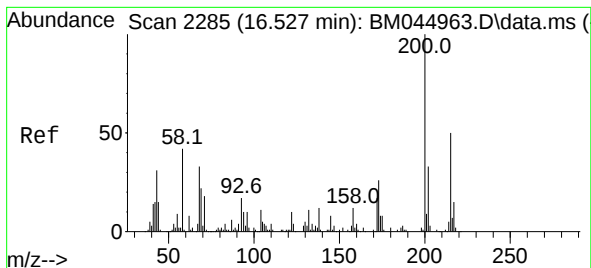
Tgt Ion:248 Resp: 126018
Ion Ratio Lower Upper
248 100
250 100.6 81.0 121.6
141 74.1 55.1 82.7



#69
Hexachlorobenzene
Concen: 25.406 ng/ul
RT: 16.339 min Scan# 2253
Delta R.T. 0.000 min
Lab File: BM044973.D
Acq: 06 Apr 2024 16:40

Tgt Ion:284 Resp: 157494
Ion Ratio Lower Upper
284 100
142 35.3 27.3 40.9
249 27.8 23.6 35.4





#70

Atrazine

Concen: 26.288 ng/ul

RT: 16.533 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM044973.D

Acq: 06 Apr 2024 16:40

Instrument :

BNA_M

ClientSampleId :

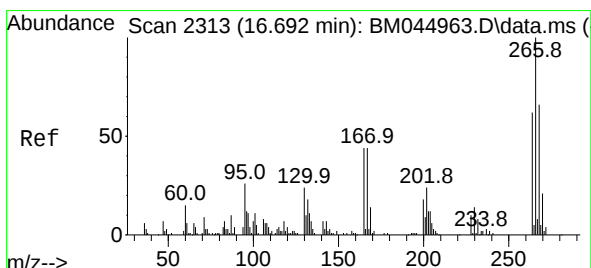
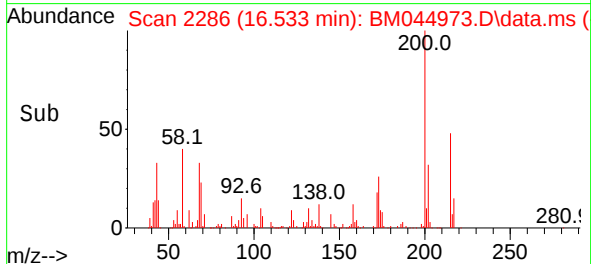
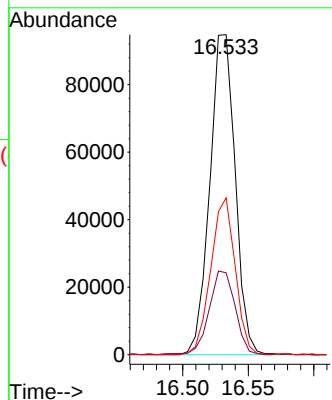
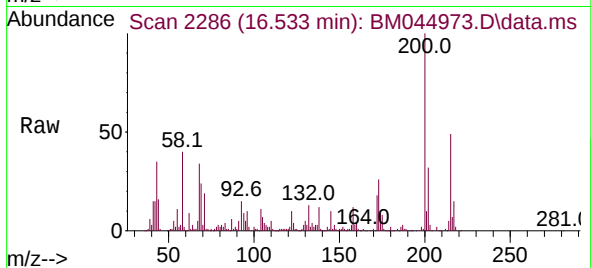
Tgt Ion:200 Resp: 127639

Ion Ratio Lower Upper

200 100

173 25.6 20.3 30.5

215 49.0 37.9 56.9



#71

Pentachlorophenol

Concen: 28.351 ng/ul

RT: 16.692 min Scan# 2313

Delta R.T. 0.000 min

Lab File: BM044973.D

Acq: 06 Apr 2024 16:40

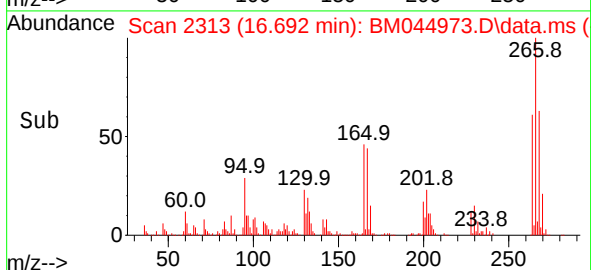
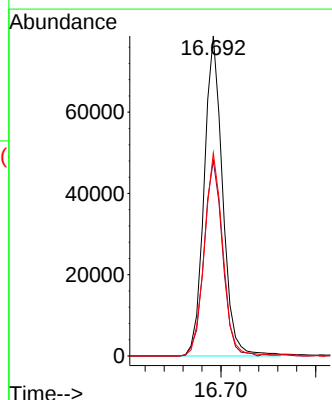
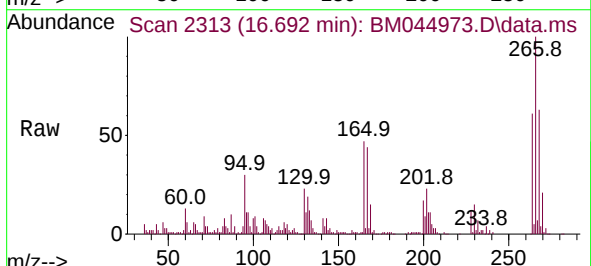
Tgt Ion:266 Resp: 106757

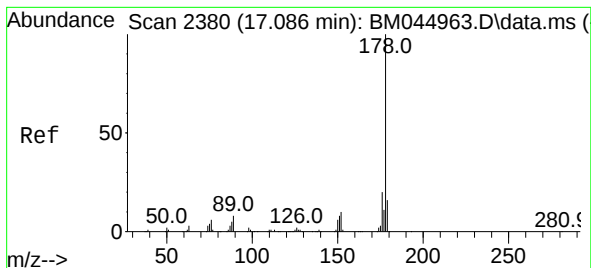
Ion Ratio Lower Upper

266 100

264 61.1 49.3 73.9

268 63.5 53.3 79.9





#72

Phenanthrene

Concen: 25.939 ng/ul

RT: 17.086 min Scan# 2380

Delta R.T. -0.000 min

Lab File: BM044973.D

Acq: 06 Apr 2024 16:40

Instrument :

BNA_M

ClientSampleId :

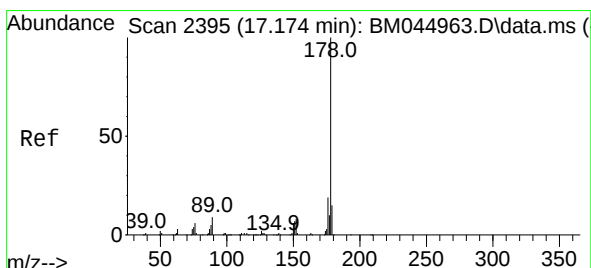
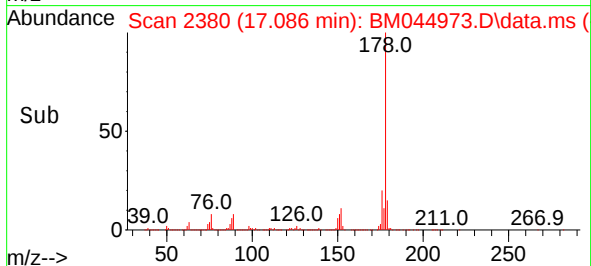
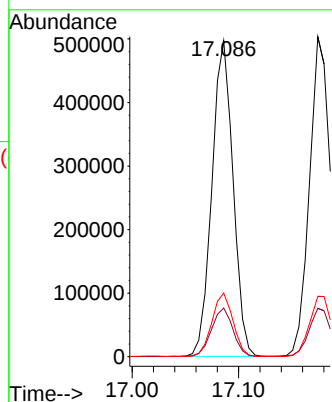
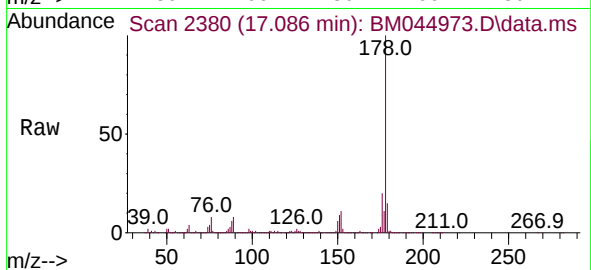
Tgt Ion:178 Resp: 683023

Ion Ratio Lower Upper

178 100

179 15.4 11.9 17.9

176 20.1 15.4 23.2



#74

Anthracene

Concen: 25.434 ng/ul

RT: 17.174 min Scan# 2395

Delta R.T. -0.000 min

Lab File: BM044973.D

Acq: 06 Apr 2024 16:40

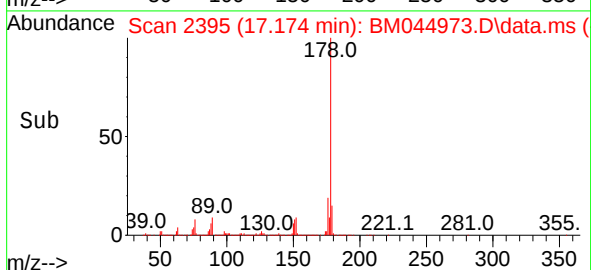
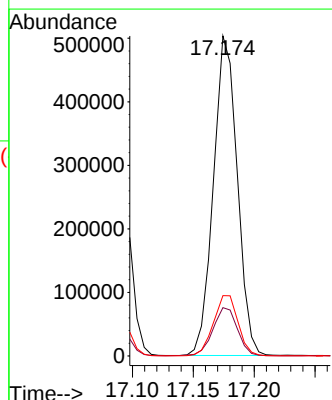
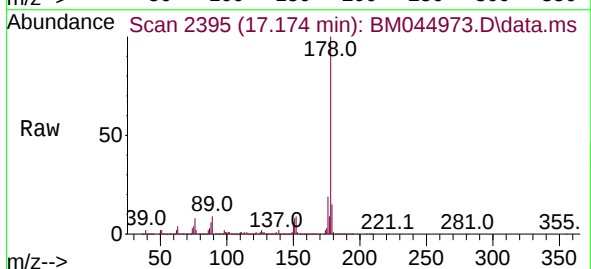
Tgt Ion:178 Resp: 685073

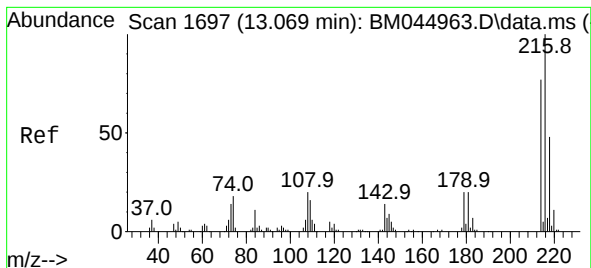
Ion Ratio Lower Upper

178 100

179 15.1 12.3 18.5

176 18.8 15.8 23.6

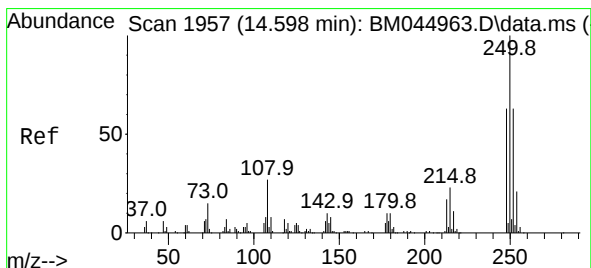
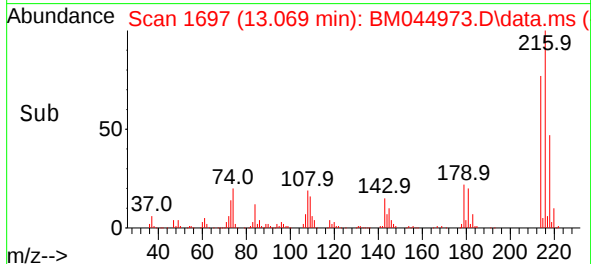
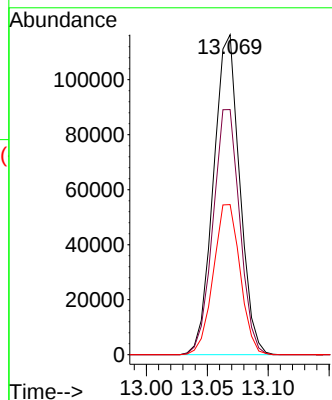
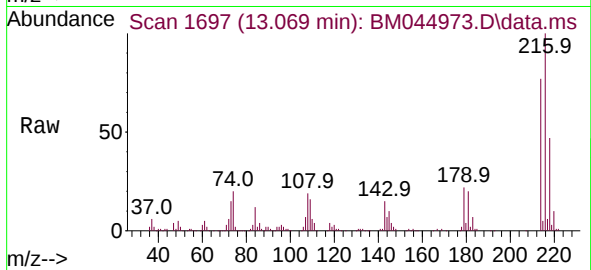




#75
1,2,3,4-Tetrachlorobenzene
Concen: 28.263 ng/uL
RT: 13.069 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM044973.D
Acq: 06 Apr 2024 16:40

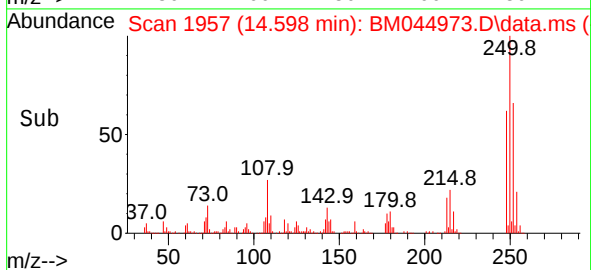
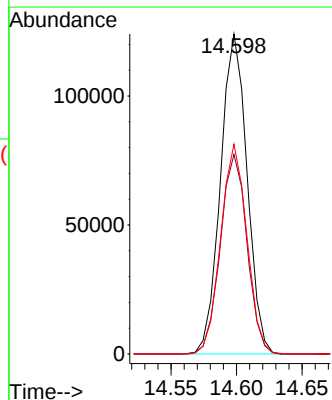
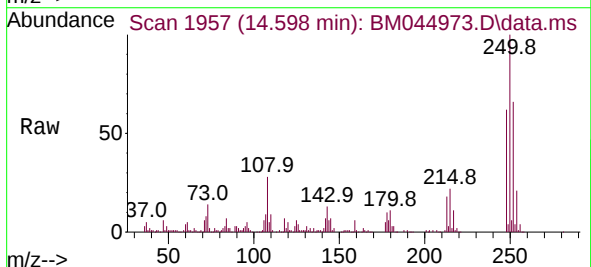
Instrument :
BNA_M
ClientSampleId :

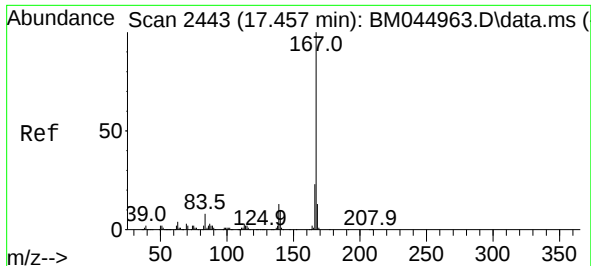
Tgt Ion:216 Resp: 174303
Ion Ratio Lower Upper
216 100
214 76.6 64.1 96.1
218 46.9 38.6 58.0



#76
Pentachlorobenzene
Concen: 26.613 ng/uL
RT: 14.598 min Scan# 1957
Delta R.T. 0.000 min
Lab File: BM044973.D
Acq: 06 Apr 2024 16:40

Tgt Ion:250 Resp: 174625
Ion Ratio Lower Upper
250 100
248 62.3 49.8 74.6
252 65.6 49.4 74.2

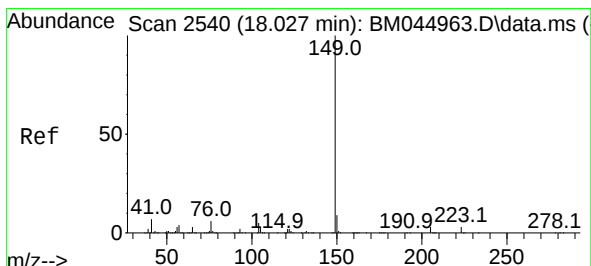
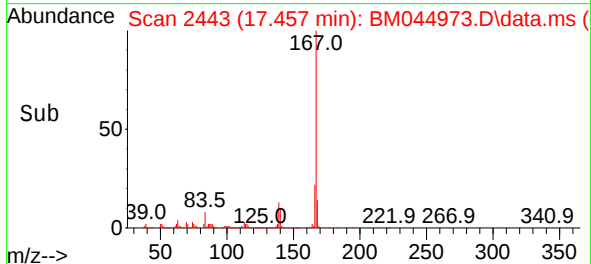
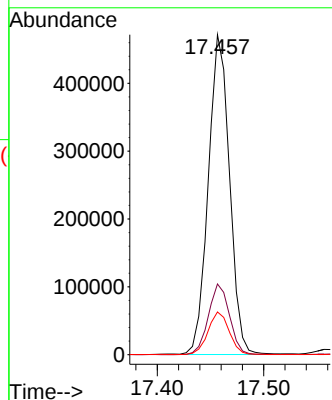
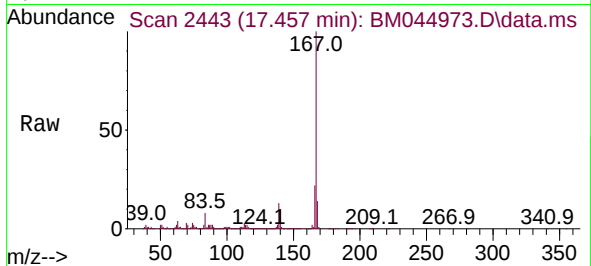




#77
 Carbazole
 Concen: 25.157 ng/ul
 RT: 17.457 min Scan# 2443
 Delta R.T. -0.000 min
 Lab File: BM044973.D
 Acq: 06 Apr 2024 16:40

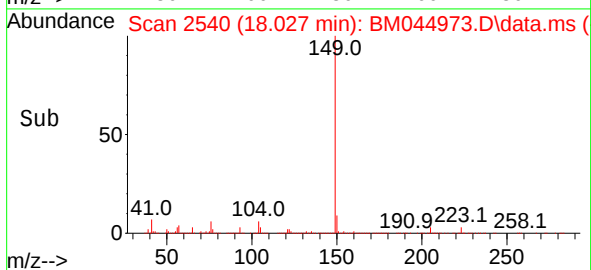
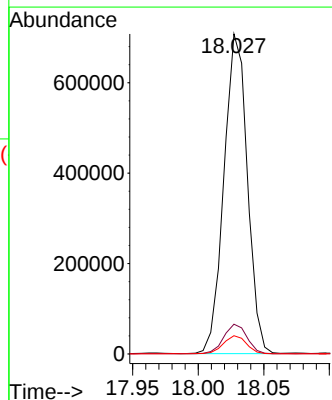
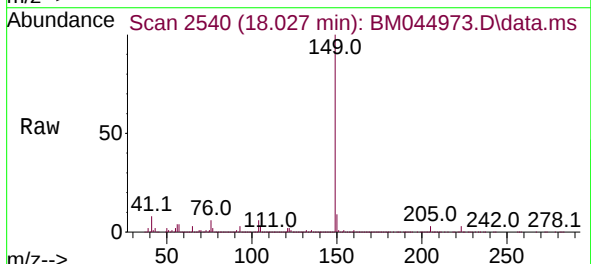
Instrument :
 BNA_M
 ClientSampleId :

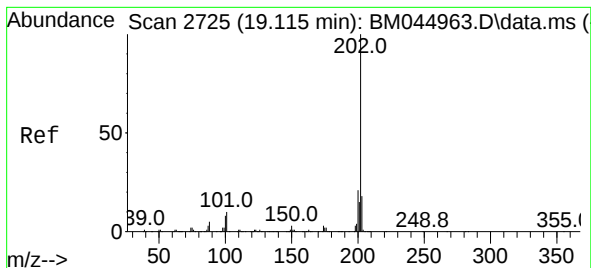
Tgt Ion:167 Resp: 653376
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.3 25.9
 139 13.3 10.7 16.1



#78
 Di-n-butylphthalate
 Concen: 30.037 ng/ul
 RT: 18.027 min Scan# 2540
 Delta R.T. -0.000 min
 Lab File: BM044973.D
 Acq: 06 Apr 2024 16:40

Tgt Ion:149 Resp: 879765
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.2 10.8
 104 5.7 4.3 6.5





#80

Fluoranthene

Concen: 30.654 ng/ul

RT: 19.109 min Scan# 2725

Delta R.T. -0.006 min

Lab File: BM044973.D

Acq: 06 Apr 2024 16:40

Instrument :

BNA_M

ClientSampleId :

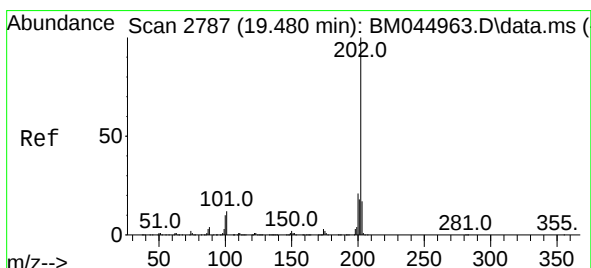
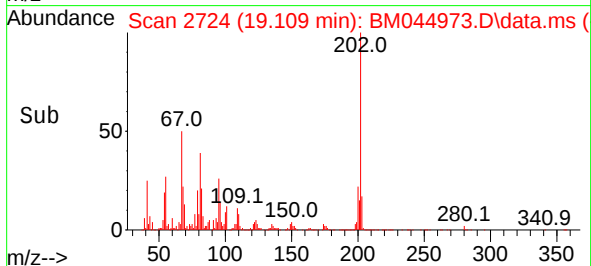
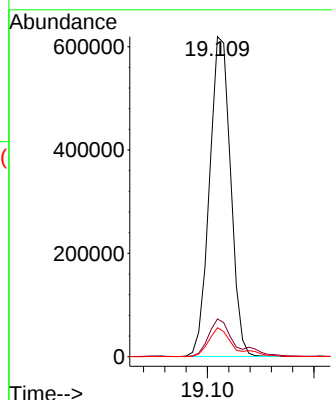
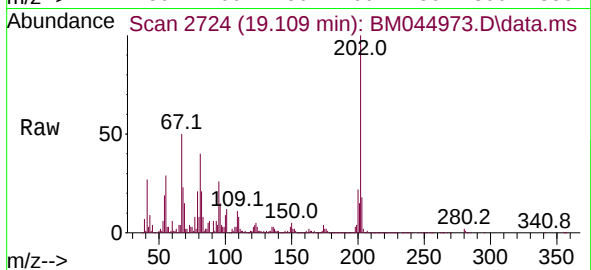
Tgt Ion:202 Resp: 852125

Ion Ratio Lower Upper

202 100

101 11.8 8.7 13.1

100 9.1 6.3 9.5



#82

Pyrene

Concen: 29.481 ng/ul

RT: 19.480 min Scan# 2787

Delta R.T. -0.000 min

Lab File: BM044973.D

Acq: 06 Apr 2024 16:40

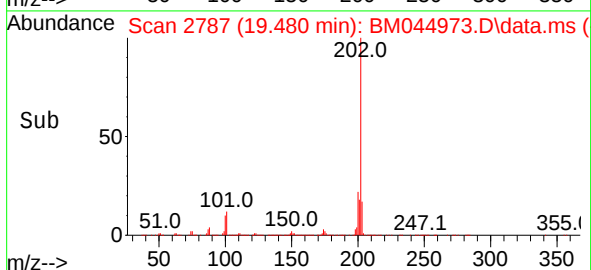
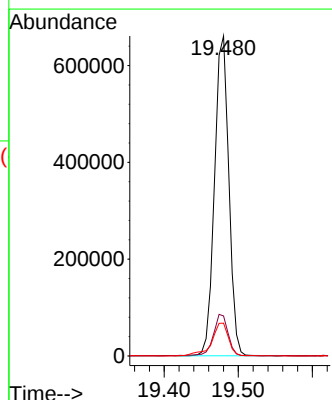
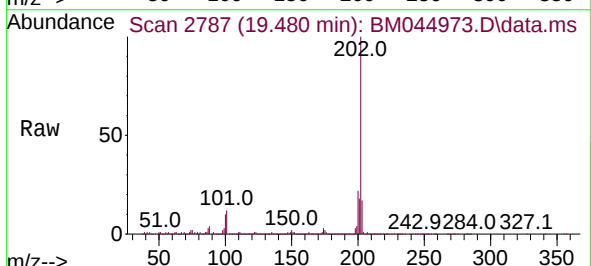
Tgt Ion:202 Resp: 884386

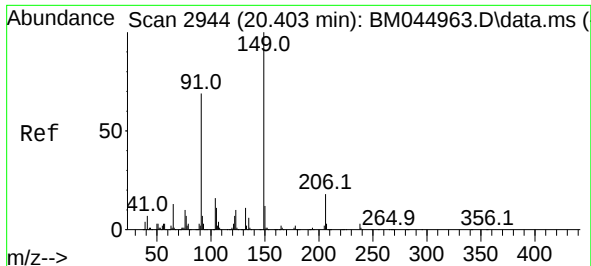
Ion Ratio Lower Upper

202 100

101 12.5 10.2 15.4

100 10.3 8.5 12.7

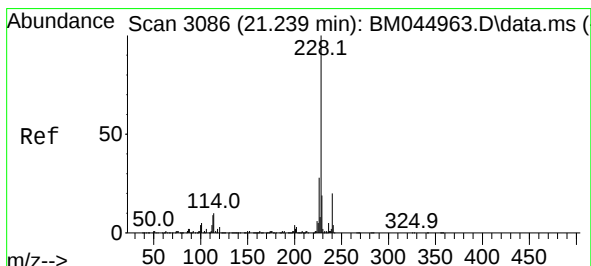
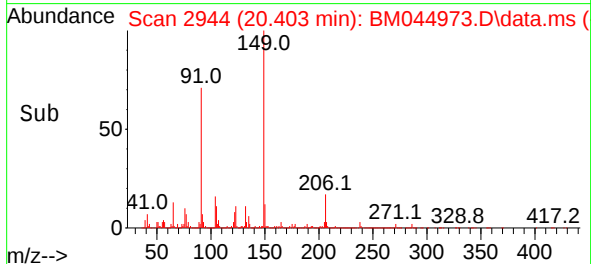
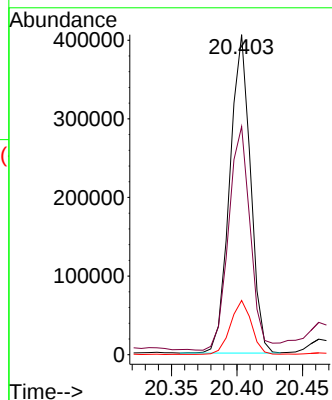
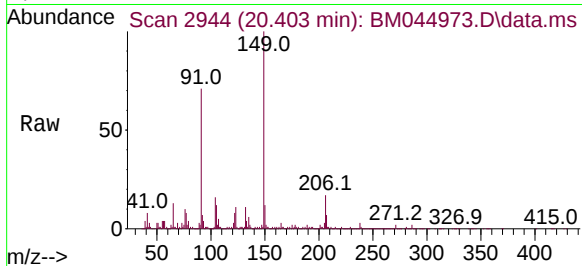




#83
Butylbenzylphthalate
Concen: 35.388 ng/ul
RT: 20.403 min Scan# 2944
Delta R.T. -0.000 min
Lab File: BM044973.D
Acq: 06 Apr 2024 16:40

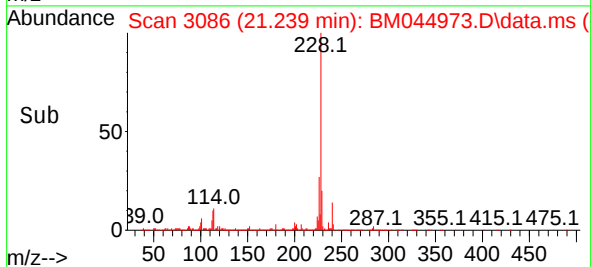
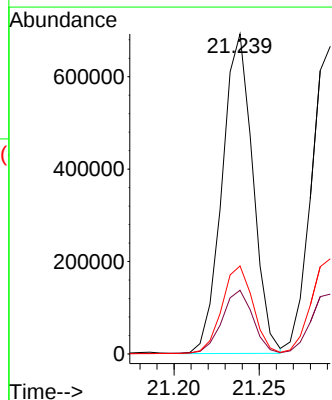
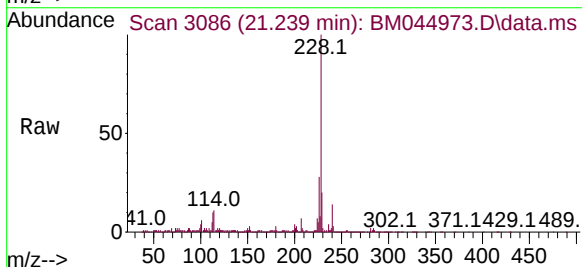
Instrument :
BNA_M
ClientSampleId :

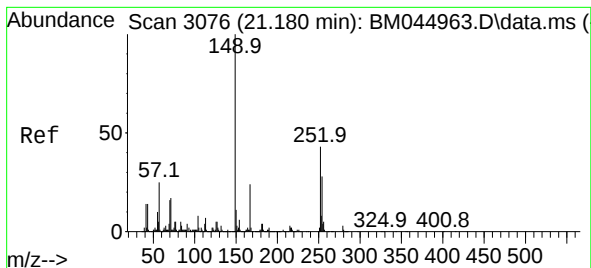
Tgt Ion:149 Resp: 444764
Ion Ratio Lower Upper
149 100
91 71.3 56.2 84.4
206 17.0 14.3 21.5



#85
Benzo(a)anthracene
Concen: 26.707 ng/ul
RT: 21.239 min Scan# 3086
Delta R.T. -0.000 min
Lab File: BM044973.D
Acq: 06 Apr 2024 16:40

Tgt Ion:228 Resp: 867382
Ion Ratio Lower Upper
228 100
229 19.9 15.5 23.3
226 27.5 21.8 32.6

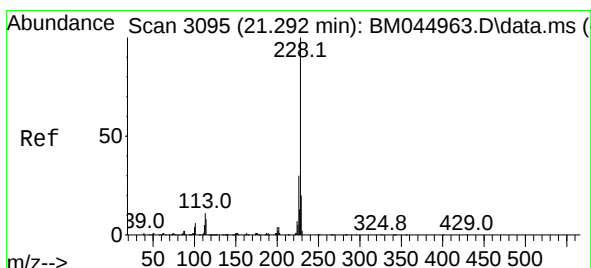
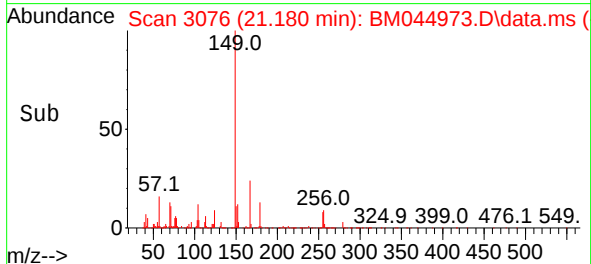
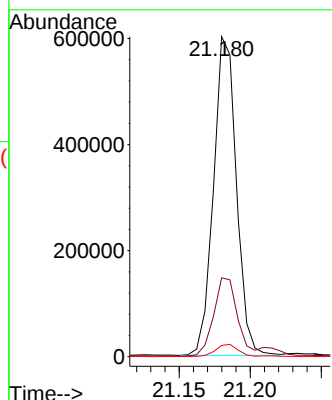
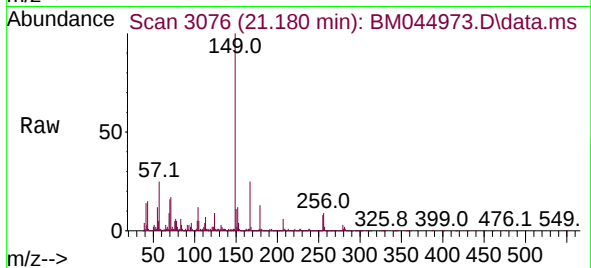




#86
 Bis(2-ethylhexyl)phthalate
 Concen: 34.336 ng/ul
 RT: 21.180 min Scan# 3076
 Delta R.T. -0.000 min
 Lab File: BM044973.D
 Acq: 06 Apr 2024 16:40

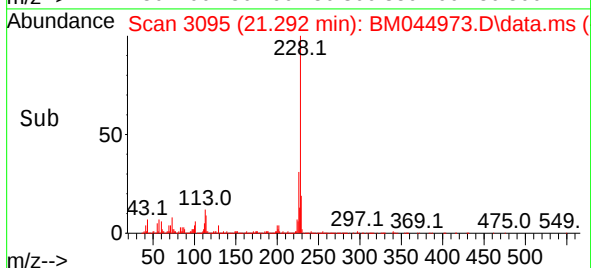
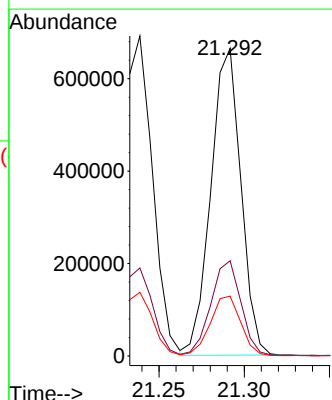
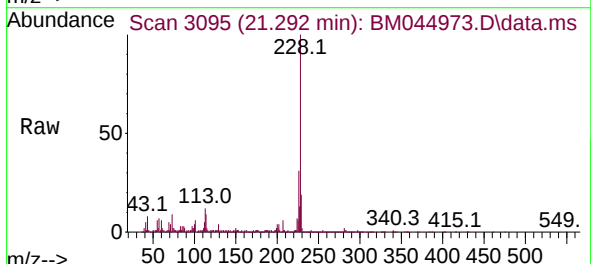
Instrument :
 BNA_M
 ClientSampleId :

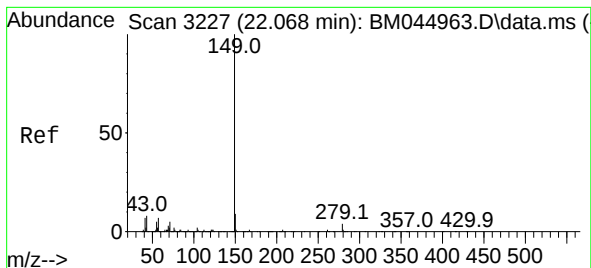
Tgt Ion:149 Resp: 674568
 Ion Ratio Lower Upper
 149 100
 167 24.7 19.7 29.5
 279 3.5 3.3 4.9



#87
 Chrysene
 Concen: 26.892 ng/ul
 RT: 21.292 min Scan# 3095
 Delta R.T. 0.000 min
 Lab File: BM044973.D
 Acq: 06 Apr 2024 16:40

Tgt Ion:228 Resp: 814184
 Ion Ratio Lower Upper
 228 100
 226 30.9 24.3 36.5
 229 19.4 15.7 23.5





#89

Di-n-octyl phthalate

Concen: 32.486 ng/ul

RT: 22.062 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM044973.D

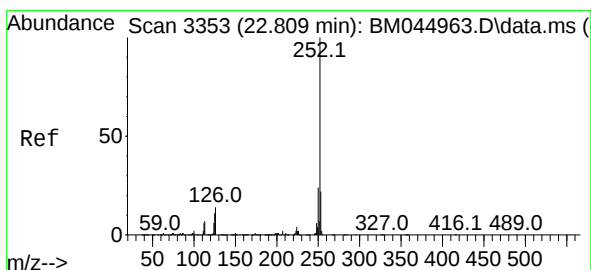
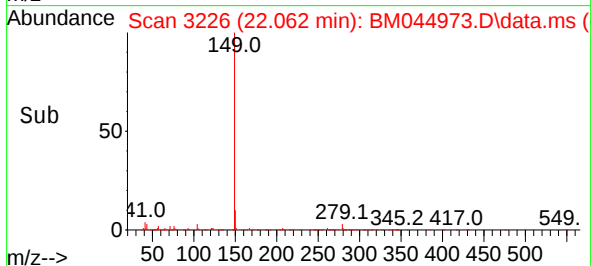
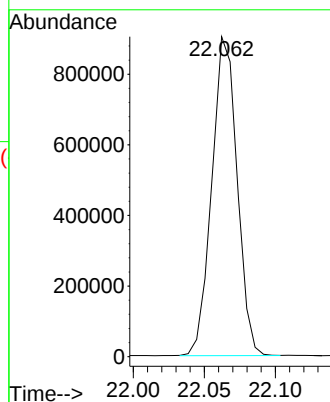
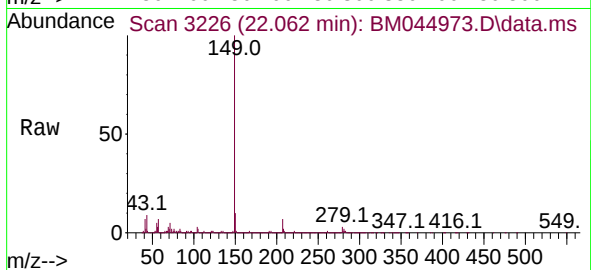
Acq: 06 Apr 2024 16:40

Instrument :

BNA_M

ClientSampleId :

Tgt Ion:149 Resp: 1118439



#90

Benzo(b)fluoranthene

Concen: 28.258 ng/ul

RT: 22.809 min Scan# 3353

Delta R.T. 0.000 min

Lab File: BM044973.D

Acq: 06 Apr 2024 16:40

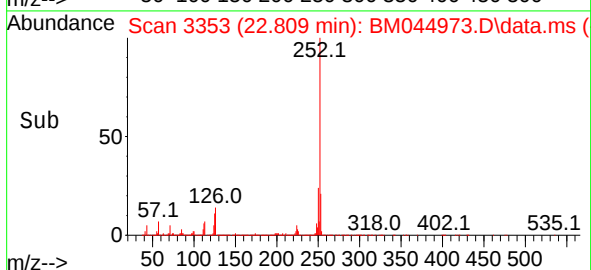
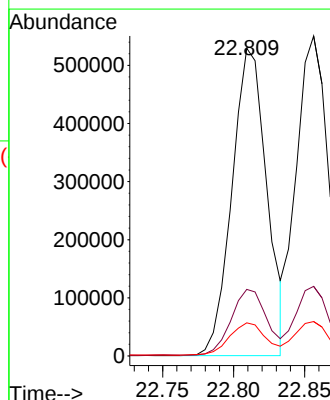
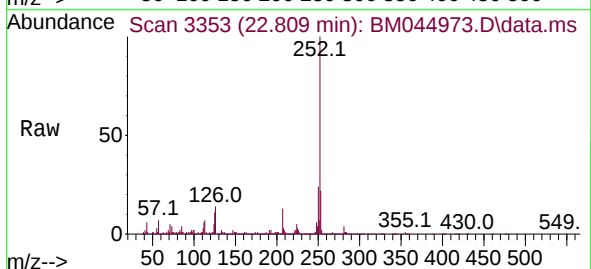
Tgt Ion:252 Resp: 901235

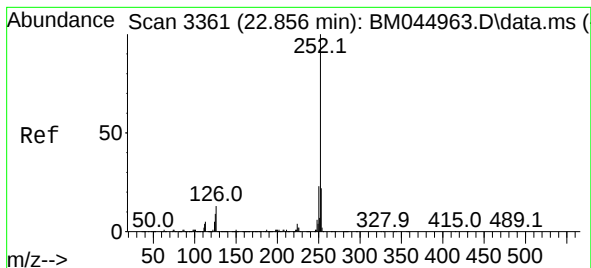
Ion Ratio Lower Upper

252 100

253 21.6 18.0 27.0

125 10.8 8.2 12.4





#91

Benzo(k)fluoranthene

Concen: 27.138 ng/ul

RT: 22.856 min Scan# 3361

Delta R.T. -0.000 min

Lab File: BM044973.D

Acq: 06 Apr 2024 16:40

Instrument :

BNA_M

ClientSampleId :

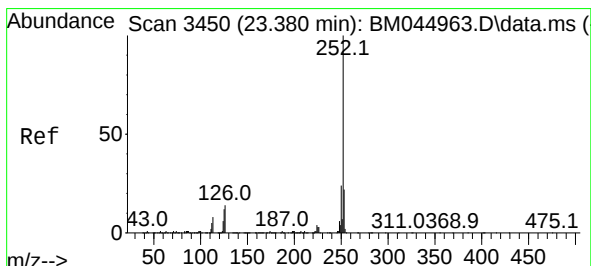
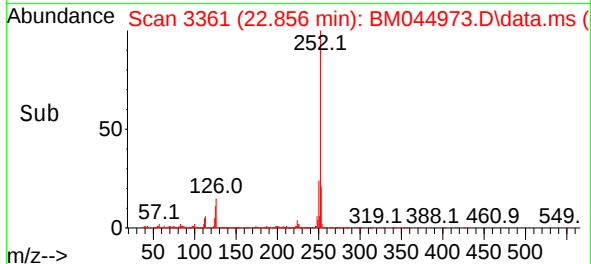
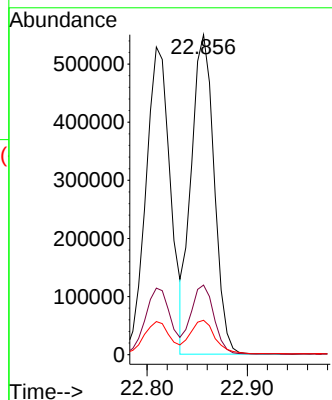
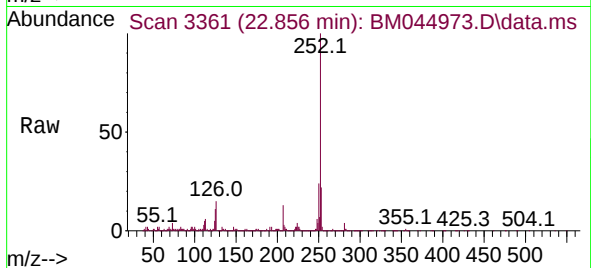
Tgt Ion:252 Resp: 871172

Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

125 10.8 8.5 12.7



#93

Benzo(a)pyrene

Concen: 23.708 ng/ul

RT: 23.380 min Scan# 3450

Delta R.T. 0.000 min

Lab File: BM044973.D

Acq: 06 Apr 2024 16:40

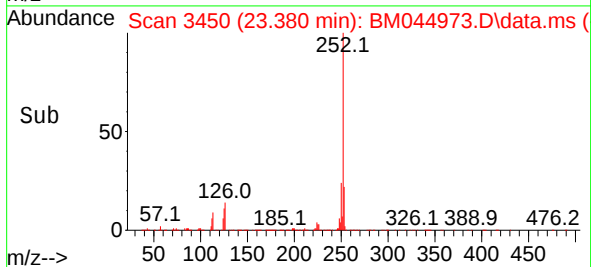
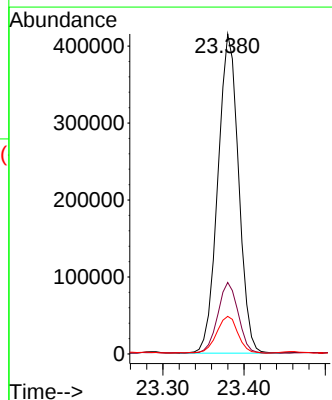
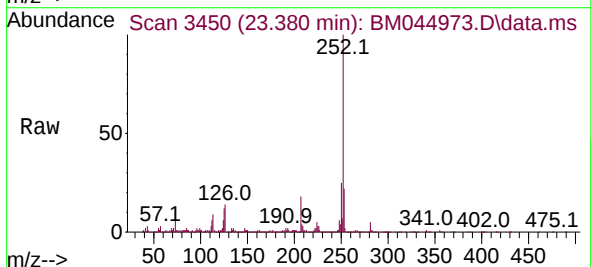
Tgt Ion:252 Resp: 735896

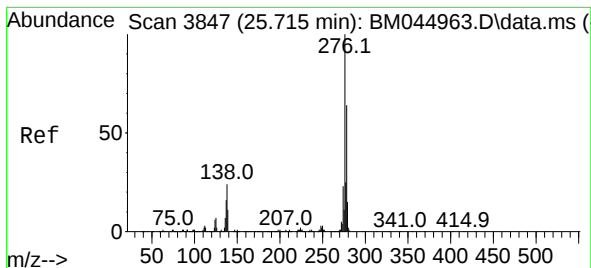
Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

125 11.8 8.8 13.2





#94

Indeno(1,2,3-cd)pyrene

Concen: 26.600 ng/ul

RT: 25.715 min Scan# 3847

Delta R.T. -0.000 min

Lab File: BM044973.D

Acq: 06 Apr 2024 16:40

Instrument :

BNA_M

ClientSampleId :

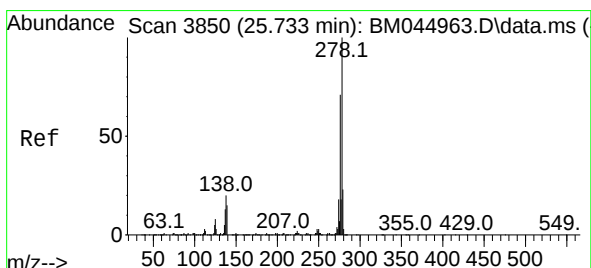
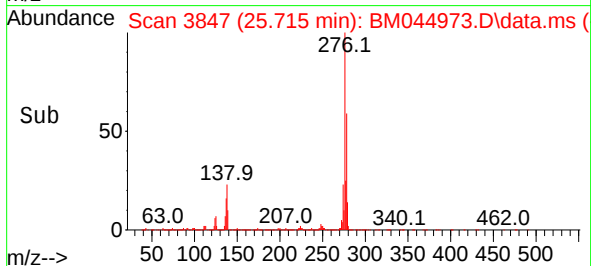
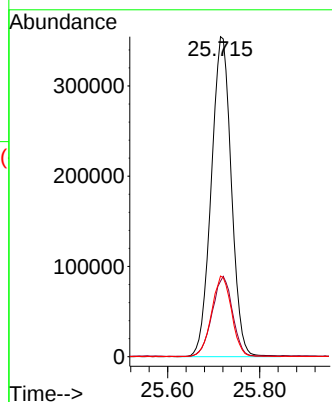
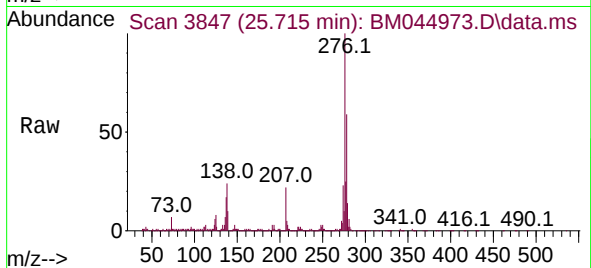
Tgt Ion:276 Resp: 1069526

Ion Ratio Lower Upper

276 100

138 23.6 19.0 28.6

277 25.2 19.9 29.9



#95

Dibenzo(a,h)anthracene

Concen: 26.097 ng/ul

RT: 25.733 min Scan# 3850

Delta R.T. -0.000 min

Lab File: BM044973.D

Acq: 06 Apr 2024 16:40

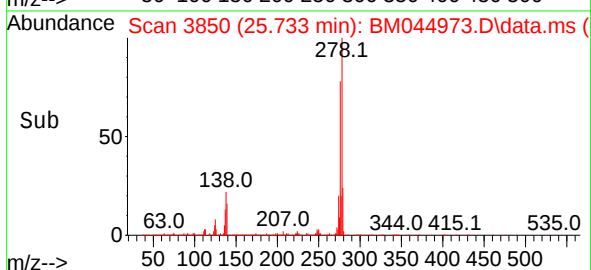
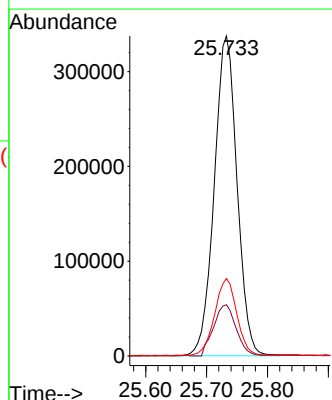
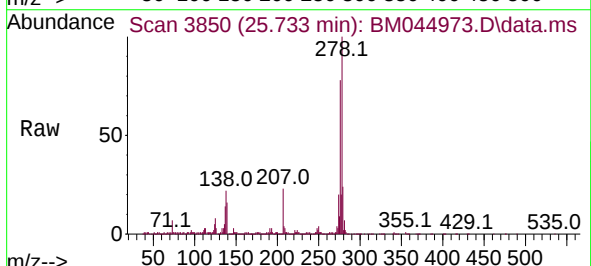
Tgt Ion:278 Resp: 877282

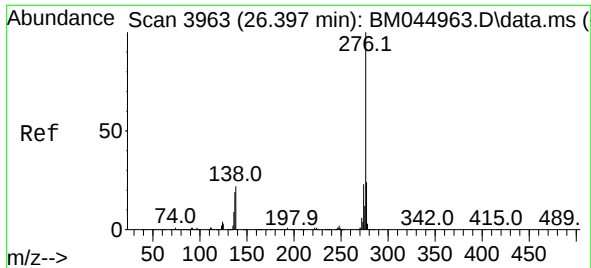
Ion Ratio Lower Upper

278 100

139 16.0 11.9 17.9

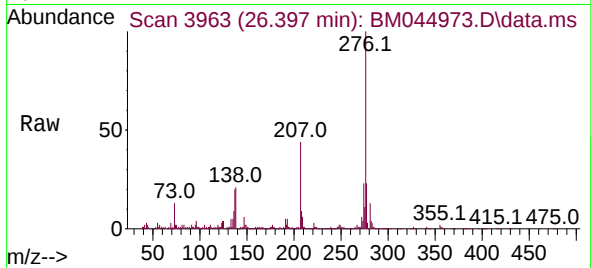
279 24.2 19.4 29.2





#96
 Benzo(g,h,i)perylene
 Concen: 15.616 ng/ul
 RT: 26.397 min Scan# 3963
 Delta R.T. 0.000 min
 Lab File: BM044973.D
 Acq: 06 Apr 2024 16:40

Instrument :
 BNA_M
 ClientSampleId :



Tgt Ion:276 Resp: 495326
 Ion Ratio Lower Upper
 276 100
 138 21.4 17.8 26.6
 277 23.1 18.7 28.1

