

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121423\
 Data File : BM043347.D
 Acq On : 14 Dec 2023 21:55
 Operator : MA/JU
 Sample : 05626-06MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Dec 14 23:28:30 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 13 22:33:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.987	152	323047	20.000	ng/ul	-0.01
20) Naphthalene-d8	10.792	136	1366134	20.000	ng/ul	-0.01
38) Acenaphthene-d10	14.616	164	738046	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.363	188	1383218	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.533	240	1173215	20.000	ng/ul	# 0.00
88) Perylene-d12	23.950	264	1242433	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.387	96	61800	7.508	ng/uL	0.00
4) Pyridine-d5	3.805	84	896855	36.722	ng/ul	-0.01
7) Phenol-d5	7.152	99	1261326	39.329	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.328	67	781471	39.361	ng/ul	0.00
11) 2-Chlorophenol-d4	7.516	132	969029	39.634	ng/ul	-0.01
15) 4-Methylphenol-d8	8.704	113	950561	37.464	ng/ul	0.00
21) Nitrobenzene-d5	9.163	128	477071	40.971	ng/ul	0.00
24) 2-Nitrophenol-d4	9.881	143	505922	45.058	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.416	165	891575	35.625	ng/ul	-0.01
31) 4-Chloroaniline-d4	10.940	131	1210486	33.615	ng/ul	-0.01
46) Dimethylphthalate-d6	14.039	166	2384484	36.856	ng/ul	0.00
49) Acenaphthylene-d8	14.310	160	2882045	38.505	ng/ul	-0.01
54) 4-Nitrophenol-d4	14.822	143	466316	40.224	ng/ul	0.00
60) Fluorene-d10	15.610	176	1987908	35.249	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.733	200	295414	38.804	ng/ul	0.00
73) Anthracene-d10	17.469	188	2817286	37.648	ng/ul	0.00
81) Pyrene-d10	19.745	212	3095699	41.238	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.792	264	2807239	38.722	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.422	88	149727	16.561	ng/uL	94
5) Pyridine	3.822	79	1103754	43.972	ng/ul	100
6) Benzaldehyde	7.134	77	710852	43.064	ng/ul	100
8) Phenol	7.175	94	1403844	44.260	ng/ul	99
10) Bis(2-Chloroethyl)ether	7.422	93	1127300	44.080	ng/ul	100
12) 2-Chlorophenol	7.546	128	1099970	44.347	ng/ul	98
13) 2-Methylphenol	8.434	108	1049335	42.783	ng/ul	97
14) 2,2'-oxybis(1-Chloropr...	8.516	45	1868658	43.948	ng/ul	99
16) Acetophenone	8.822	105	1633906	40.066	ng/ul	99
17) N-Nitroso-di-n-propyla...	8.810	70	901239	40.319	ng/ul	99
18) 4-Methylphenol	8.763	108	1117795	42.003	ng/ul	97
19) Hexachloroethane	9.063	117	467274	44.444	ng/ul	84
22) Nitrobenzene	9.204	77	1304651	46.601	ng/ul	99
23) Isophorone	9.728	82	2503378	41.964	ng/ul	99
25) 2-Nitrophenol	9.910	139	597088	48.520	ng/ul	94
26) 2,4-Dimethylphenol	9.969	107	1063078	44.060	ng/ul	98
27) Bis(2-Chloroethoxy)met...	10.216	93	1491250	42.517	ng/ul	100
29) 2,4-Dichlorophenol	10.440	162	960199	39.529	ng/ul	96
30) Naphthalene	10.845	128	3913479	46.671	ng/ul	100
32) 4-Chloroaniline	10.963	127	1130378	33.279	ng/ul	100
33) Hexachlorobutadiene	11.116	225	502500	33.200	ng/ul	99
34) Caprolactam	11.751	113	346090	47.918	ng/ul	91
35) 4-Chloro-3-methylphenol	12.081	107	1065174	41.761	ng/ul	98
36) 2-Methylnaphthalene	12.451	142	2846365	47.181	ng/ul	99

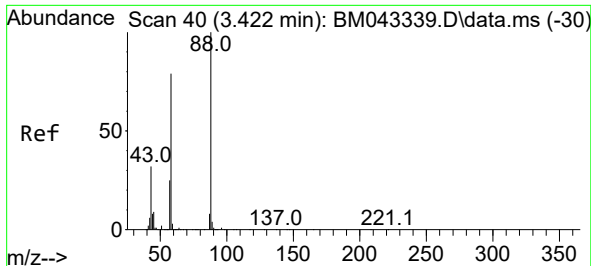
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121423\
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 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 13 22:33:14 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.669	142	2632630	42.993	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.810	216	967859	38.761	ng/ul#	97
40) Hexachlorocyclopentadiene	12.781	237	466059	32.894	ng/ul	100
41) 2,4,6-Trichlorophenol	13.057	196	672830	43.302	ng/ul	98
42) 2,4,5-Trichlorophenol	13.128	196	724946	42.868	ng/ul	100
43) 1,1'-Biphenyl	13.457	154	3052542	46.754	ng/ul	98
44) 2-Chloronaphthalene	13.498	162	2241546	44.291	ng/ul	97
45) 2-Nitroaniline	13.710	65	752422	56.261	ng/ul	94
47) Dimethylphthalate	14.086	163	2644423	41.674	ng/ul	99
48) 2,6-Dinitrotoluene	14.210	165	539809	46.173	ng/ul	93
50) Acenaphthylene	14.339	152	3999447	47.277	ng/ul	99
51) 3-Nitroaniline	14.533	138	619653	47.775	ng/ul	92
52) Acenaphthene	14.680	153	5633706	100.961	ng/ul	100
53) 2,4-Dinitrophenol	14.739	184	253477	47.228	ng/ul#	81
55) 4-Nitrophenol	14.833	109	419879	50.089	ng/ul	94
56) Dibenzofuran	15.016	168	6548085	85.907	ng/ul	93
57) 2,4-Dinitrotoluene	14.992	165	775570	46.462	ng/ul#	85
58) 2,3,4,6-Tetrachlorophenol	15.239	232	537327	38.226	ng/ul#	89
59) Diethylphthalate	15.445	149	2772641	43.440	ng/ul	97
61) Fluorene	15.669	166	6527724	98.931	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.663	204	1247192	38.260	ng/ul	94
63) 4-Nitroaniline	15.692	138	708697	54.382	ng/ul	97
66) 4,6-Dinitro-2-methylph...	15.751	198	377363	45.333	ng/ul#	90
67) N-Nitrosodiphenylamine	15.874	169	2179555	46.988	ng/ul	98
68) 4-Bromophenyl-phenylether	16.551	248	683327	40.852	ng/ul#	91
69) Hexachlorobenzene	16.657	284	785605	39.583	ng/ul#	92
70) Atrazine	16.833	200	449395	34.355	ng/ul	95
71) Pentachlorophenol	17.010	266	466118	39.886	ng/ul	99
72) Phenanthrene	17.557	178	151156	1.752	ng/ul#	1
74) Anthracene	17.557	178	165281	1.902	ng/ul#	1
75) 1,2,3,4-Tetrachloroben...	13.416	216	968769	44.270	ng/uL	99
76) Pentachlorobenzene	14.928	250	918645	41.309	ng/uL	99
77) Carbazole	17.768	167	5807051	81.364	ng/ul	99
78) Di-n-butylphthalate	18.333	149	4858072	52.330	ng/ul	99
83) Butylbenzylphthalate	20.680	149	2166161	60.793	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.451	252	1190733	42.705	ng/ul#	97
85) Benzo(a)anthracene	21.521	228	8884112	98.765	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.451	149	3302112	58.708	ng/ul#	98
87) Chrysene	21.574	228	8746364	108.866	ng/ul	98
89) Di-n-octyl phthalate	22.398	149	5573418	65.217	ng/ul	100
90) Benzo(b)fluoranthene	23.215	252	7080714	79.876	ng/ul#	96
91) Benzo(k)fluoranthene	23.262	252	4874161	55.207	ng/ul#	98
93) Benzo(a)pyrene	23.850	252	5274004	64.366	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	26.474	276	5375728	57.598	ng/ul#	94
96) Benzo(g,h,i)perylene	27.244	276	4194193	59.646	ng/ul#	94

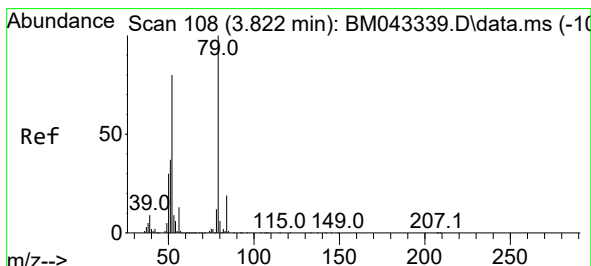
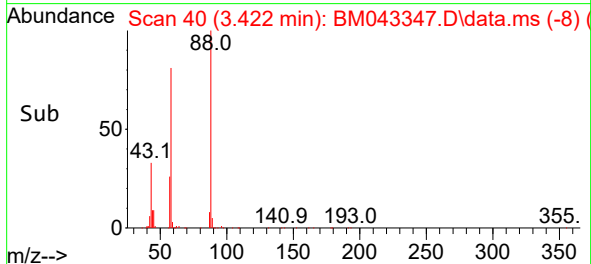
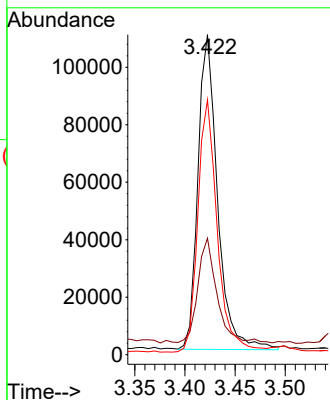
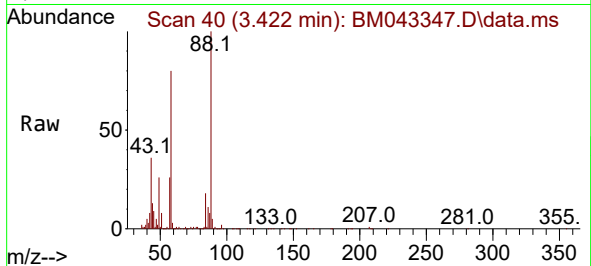
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#2
1,4-Dioxane
Concen: 16.561 ng/uL
RT: 3.422 min Scan# 40
Delta R.T. -0.012 min
Lab File: BM043347.D
Acq: 14 Dec 2023 21:55

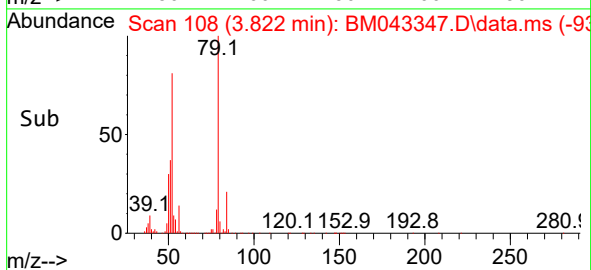
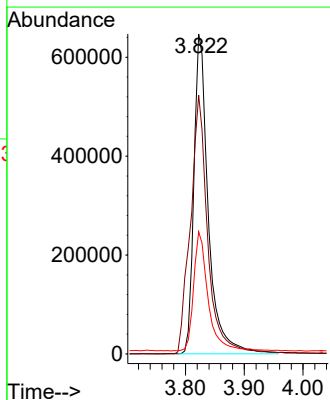
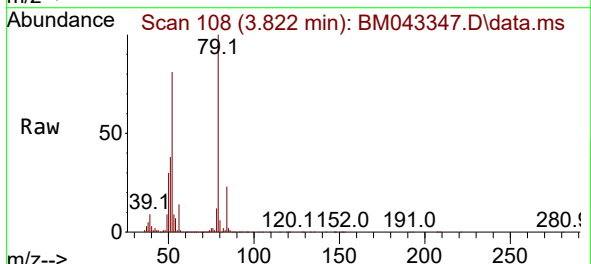
Instrument :
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ClientSampleId :

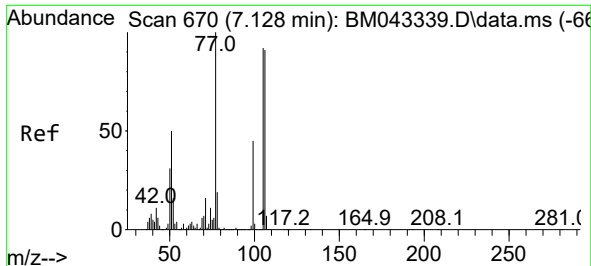
Tgt Ion: 88 Resp: 149727
Ion Ratio Lower Upper
88 100
43 36.4 25.0 37.4
58 79.6 60.6 90.8



#5
Pyridine
Concen: 43.972 ng/uL
RT: 3.822 min Scan# 108
Delta R.T. -0.012 min
Lab File: BM043347.D
Acq: 14 Dec 2023 21:55

Tgt Ion: 79 Resp: 1103754
Ion Ratio Lower Upper
79 100
52 80.9 64.9 97.3
51 38.2 31.0 46.4

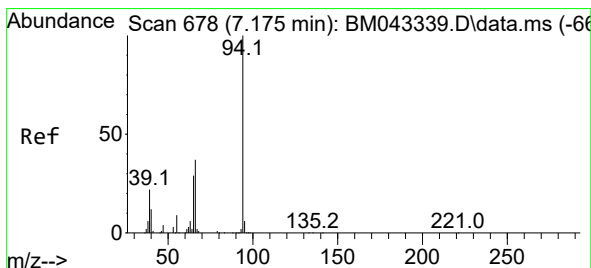
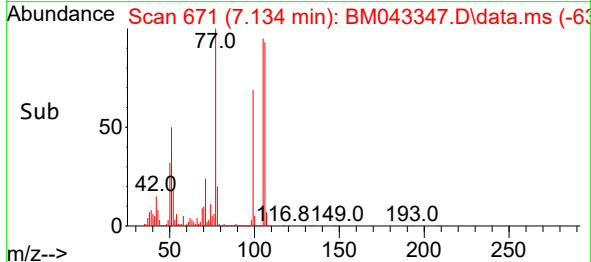
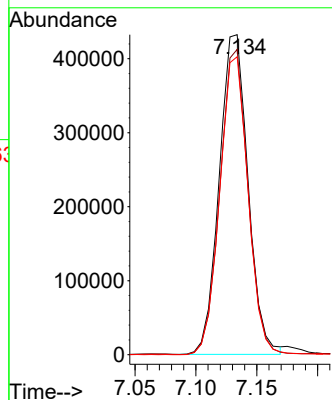
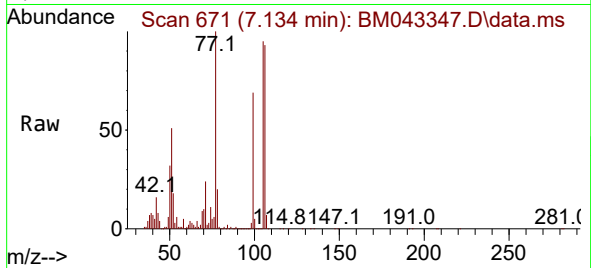




#6
Benzaldehyde
Concen: 43.064 ng/ul
RT: 7.134 min Scan# 671
Delta R.T. -0.006 min
Lab File: BM043347.D
Acq: 14 Dec 2023 21:55

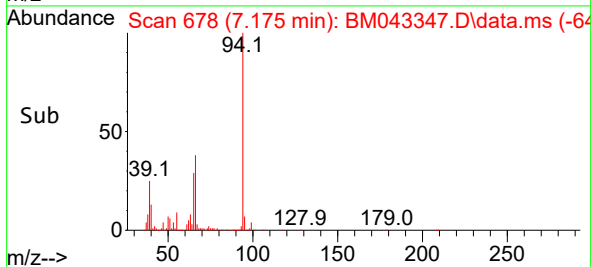
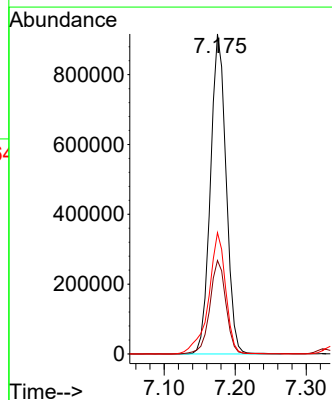
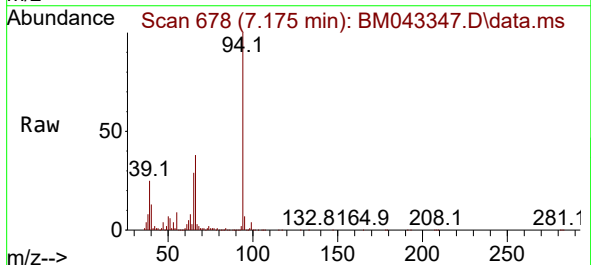
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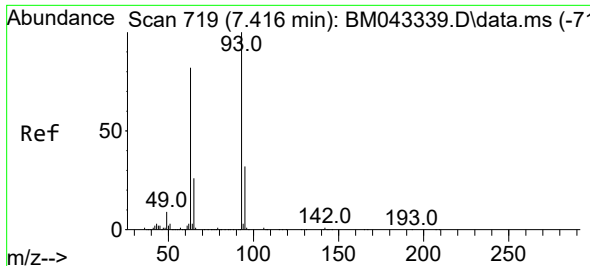
Tgt Ion: 77 Resp: 710852
Ion Ratio Lower Upper
77 100
105 95.4 76.3 114.5
106 93.1 74.6 112.0



#8
Phenol
Concen: 44.260 ng/ul
RT: 7.175 min Scan# 678
Delta R.T. -0.012 min
Lab File: BM043347.D
Acq: 14 Dec 2023 21:55

Tgt Ion: 94 Resp: 1403844
Ion Ratio Lower Upper
94 100
65 29.2 23.5 35.3
66 37.9 29.9 44.9

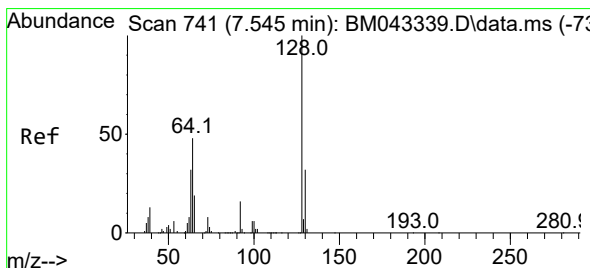
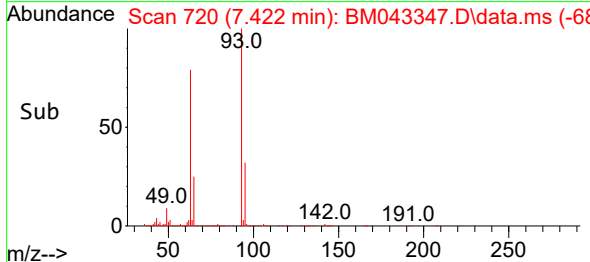
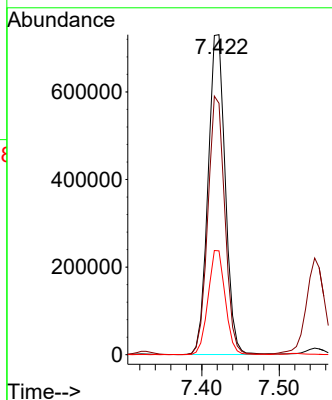
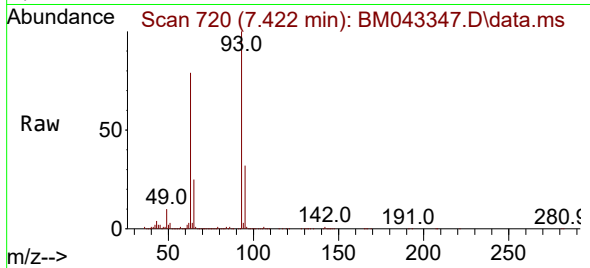




#10
Bis(2-Chloroethyl)ether
Concen: 44.080 ng/ul
RT: 7.422 min Scan# 719
Delta R.T. -0.006 min
Lab File: BM043347.D
Acq: 14 Dec 2023 21:55

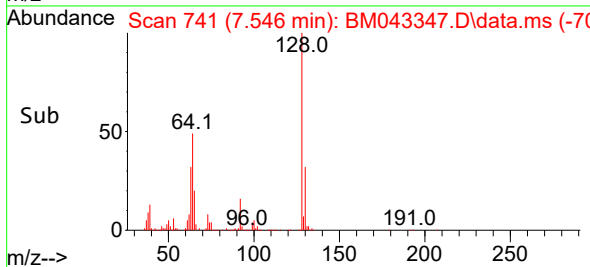
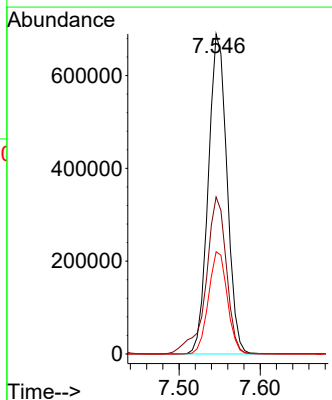
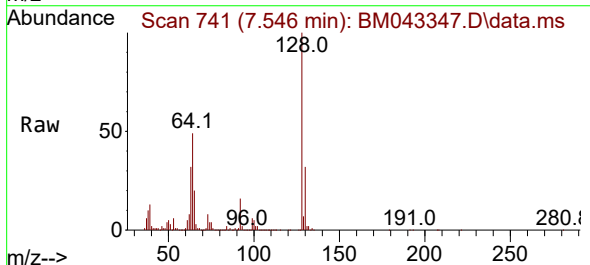
Instrument :
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ClientSampleId :

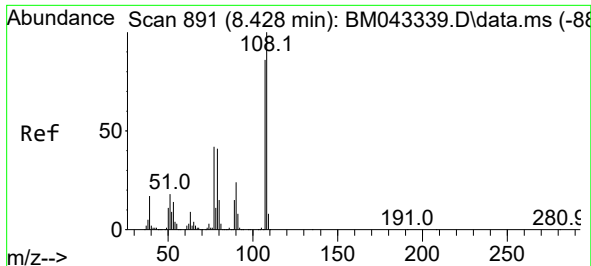
Tgt Ion: 93 Resp: 1127300
Ion Ratio Lower Upper
93 100
63 78.5 63.0 94.4
95 32.4 26.0 39.0



#12
2-Chlorophenol
Concen: 44.347 ng/ul
RT: 7.546 min Scan# 741
Delta R.T. -0.012 min
Lab File: BM043347.D
Acq: 14 Dec 2023 21:55

Tgt Ion:128 Resp: 1099970
Ion Ratio Lower Upper
128 100
64 49.0 38.3 57.5
130 32.0 26.6 40.0





#13

2-Methylphenol

Concen: 42.783 ng/ul

RT: 8.434 min Scan# 891

Delta R.T. -0.012 min

Lab File: BM043347.D

Acq: 14 Dec 2023 21:55

Instrument :

BNA_P

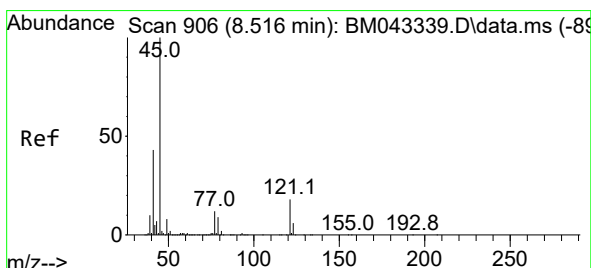
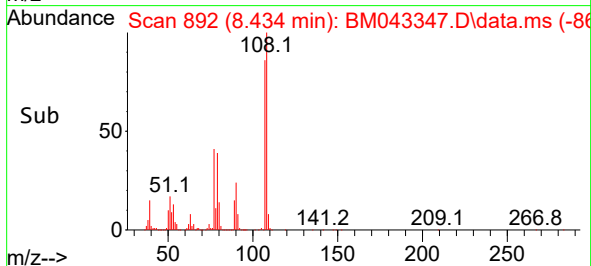
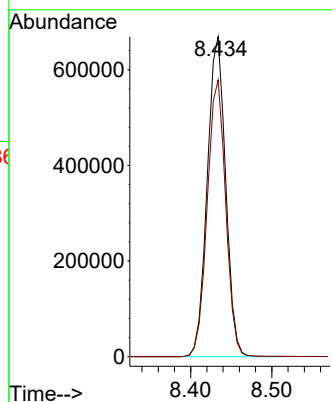
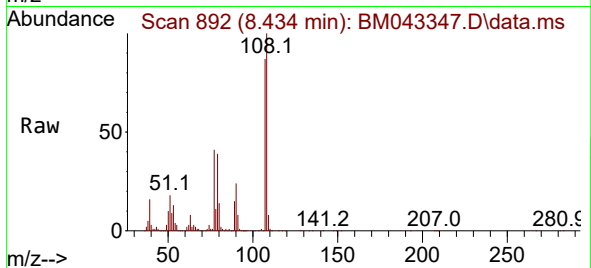
ClientSampleId :

Tgt Ion:108 Resp: 1049335

Ion Ratio Lower Upper

108 100

107 86.5 71.8 107.6



#14

2,2'-oxybis(1-Chloropropane)

Concen: 43.948 ng/ul

RT: 8.516 min Scan# 906

Delta R.T. -0.012 min

Lab File: BM043347.D

Acq: 14 Dec 2023 21:55

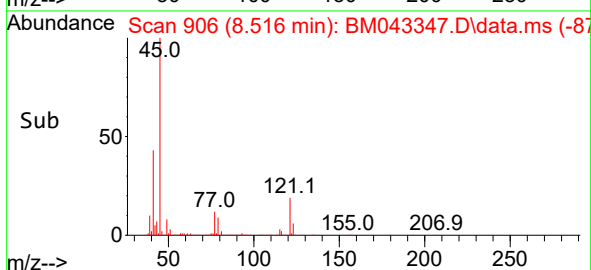
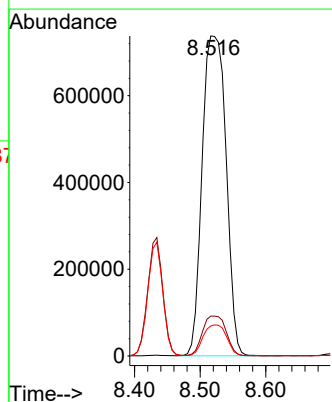
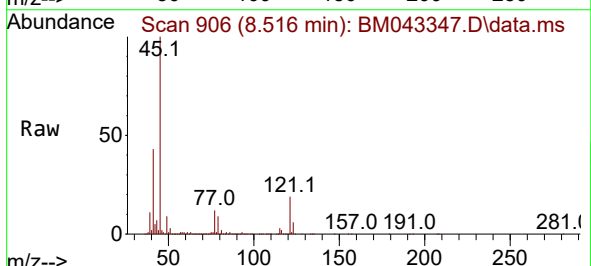
Tgt Ion: 45 Resp: 1868658

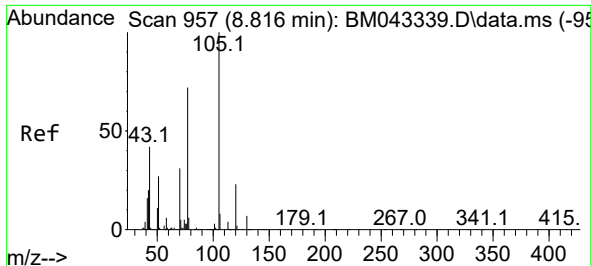
Ion Ratio Lower Upper

45 100

77 12.5 10.2 15.2

79 9.4 7.2 10.8

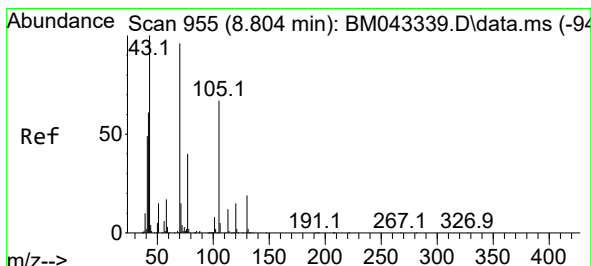
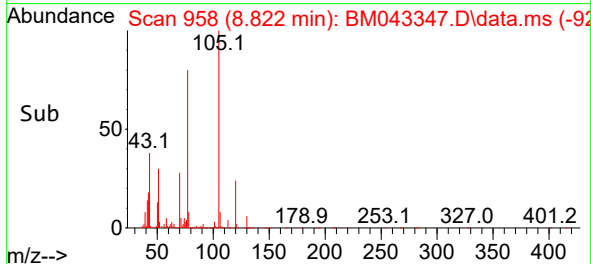
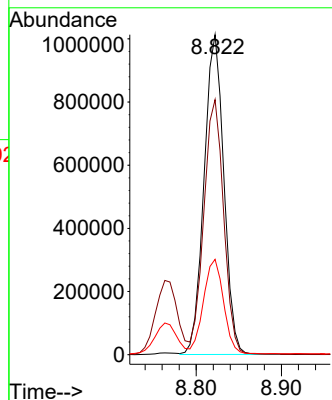
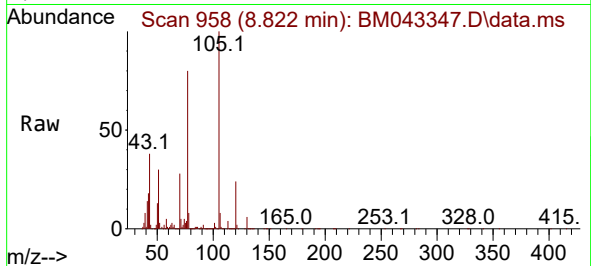




#16
Acetophenone
Concen: 40.066 ng/ul
RT: 8.822 min Scan# 91
Delta R.T. -0.012 min
Lab File: BM043347.D
Acq: 14 Dec 2023 21:55

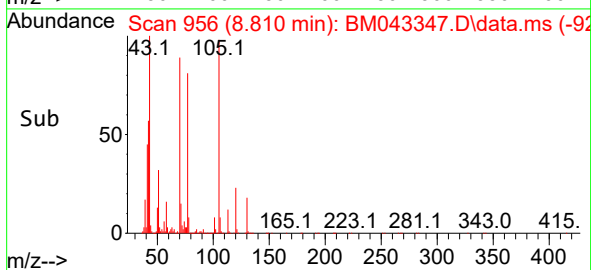
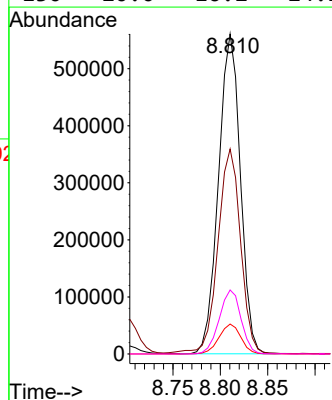
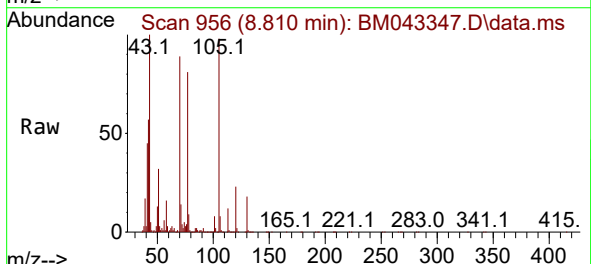
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BNA_P
ClientSampleId :

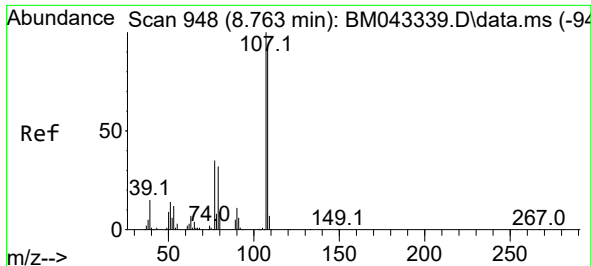
Tgt Ion:105 Resp: 1633906
Ion Ratio Lower Upper
105 100
77 79.7 62.7 94.1
51 29.8 23.8 35.8



#17
N-Nitroso-di-n-propylamine
Concen: 40.319 ng/ul
RT: 8.810 min Scan# 956
Delta R.T. -0.006 min
Lab File: BM043347.D
Acq: 14 Dec 2023 21:55

Tgt Ion: 70 Resp: 901239
Ion Ratio Lower Upper
70 100
42 64.0 52.3 78.5
101 9.3 7.0 10.6
130 20.0 16.2 24.2

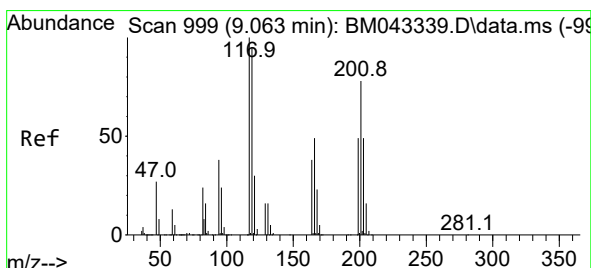
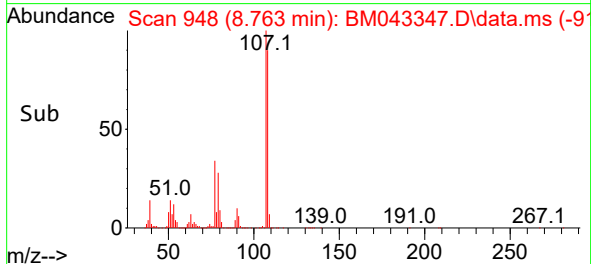
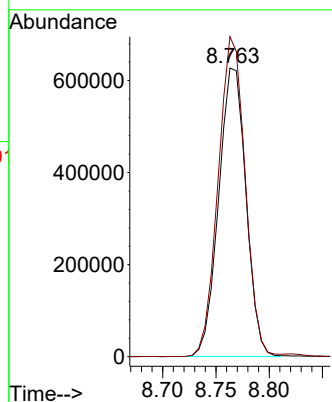
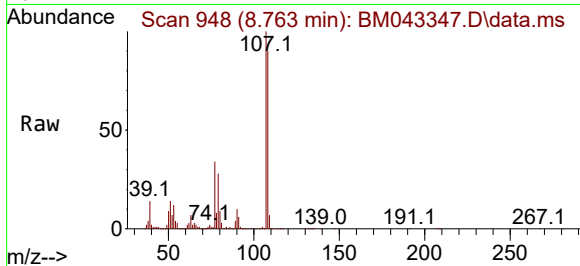




#18
4-Methylphenol
Concen: 42.003 ng/ul
RT: 8.763 min Scan# 948
Delta R.T. -0.012 min
Lab File: BM043347.D
Acq: 14 Dec 2023 21:55

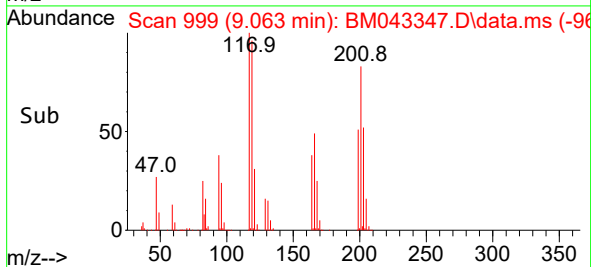
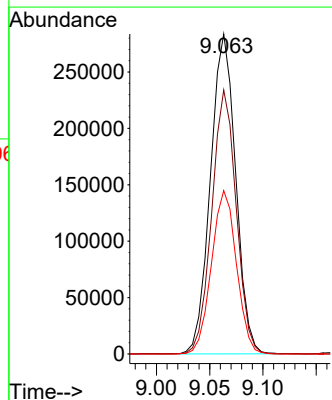
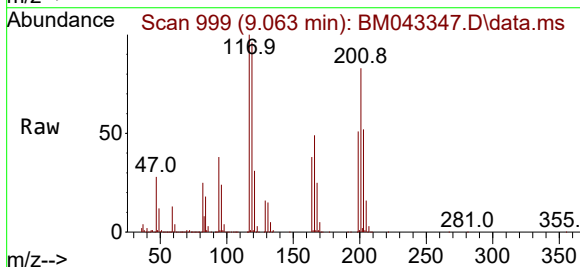
Instrument :
BNA_P
ClientSampleId :

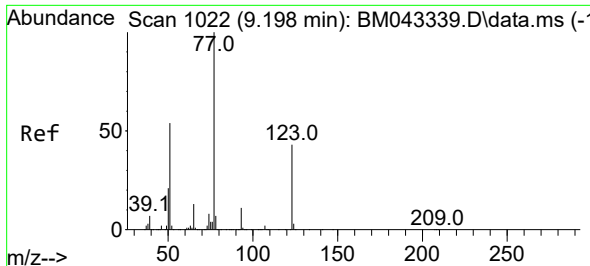
Tgt Ion:108 Resp: 1117795
Ion Ratio Lower Upper
108 100
107 110.8 86.4 129.6



#19
Hexachloroethane
Concen: 44.444 ng/ul
RT: 9.063 min Scan# 999
Delta R.T. -0.012 min
Lab File: BM043347.D
Acq: 14 Dec 2023 21:55

Tgt Ion:117 Resp: 467274
Ion Ratio Lower Upper
117 100
201 82.5 79.2 118.8
199 51.1 49.8 74.8

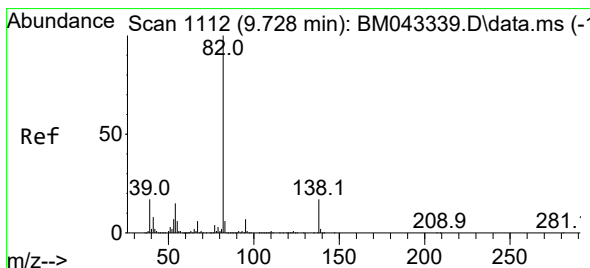
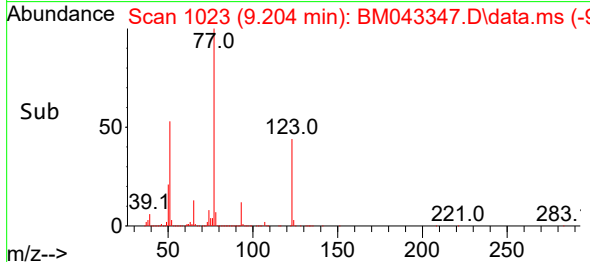
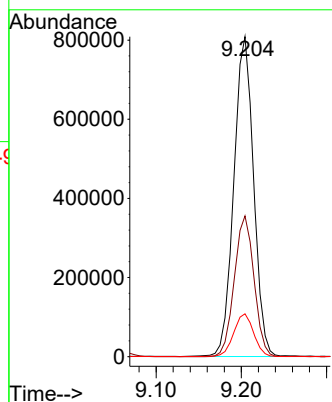
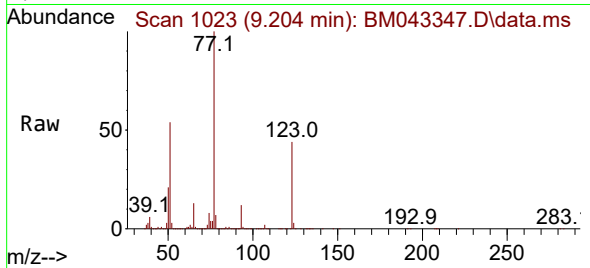




#22
Nitrobenzene
Concen: 46.601 ng/ul
RT: 9.204 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BM043347.D
Acq: 14 Dec 2023 21:55

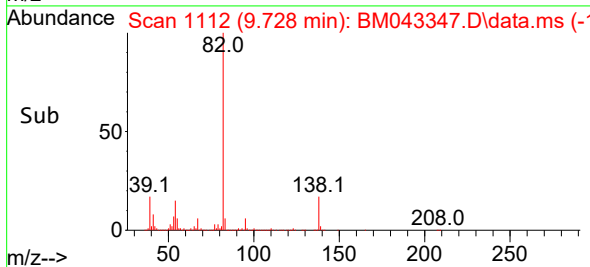
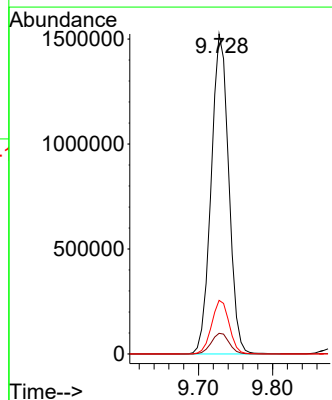
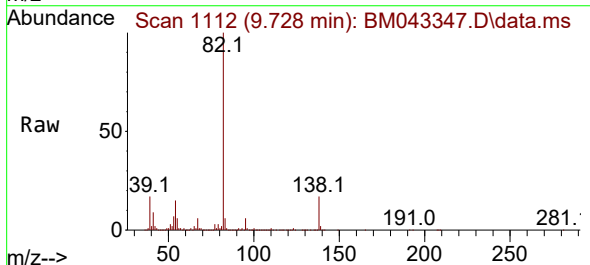
Instrument :
BNA_P
ClientSampleId :

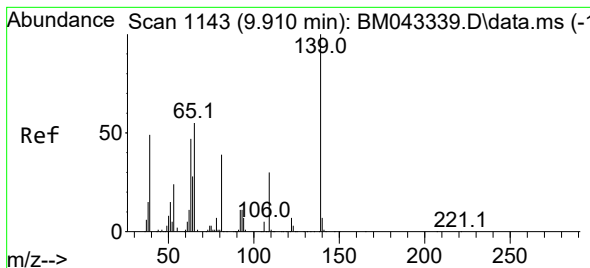
Tgt Ion: 77 Resp: 1304651
Ion Ratio Lower Upper
77 100
123 44.0 35.6 53.4
65 13.4 11.0 16.4



#23
Isophorone
Concen: 41.964 ng/ul
RT: 9.728 min Scan# 1112
Delta R.T. -0.012 min
Lab File: BM043347.D
Acq: 14 Dec 2023 21:55

Tgt Ion: 82 Resp: 2503378
Ion Ratio Lower Upper
82 100
95 6.5 5.2 7.8
138 16.7 14.0 21.0

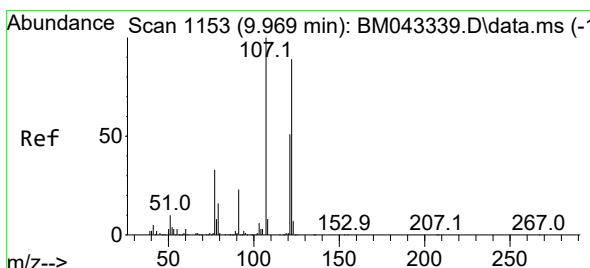
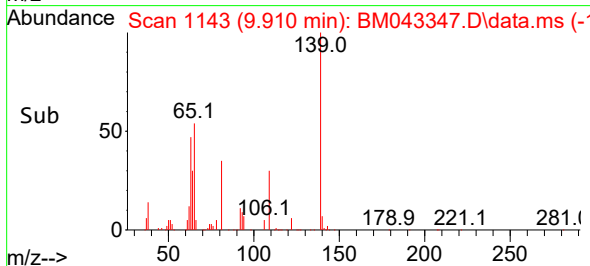
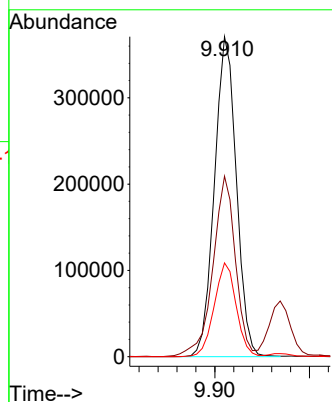
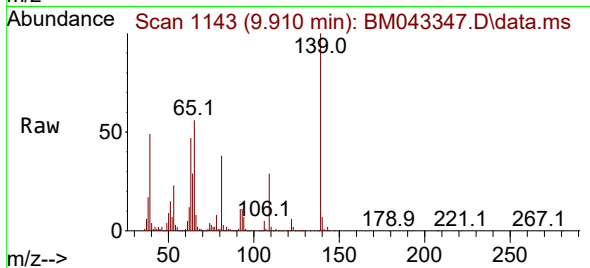




#25
 2-Nitrophenol
 Concen: 48.520 ng/ul
 RT: 9.910 min Scan# 1143
 Delta R.T. -0.012 min
 Lab File: BM043347.D
 Acq: 14 Dec 2023 21:55

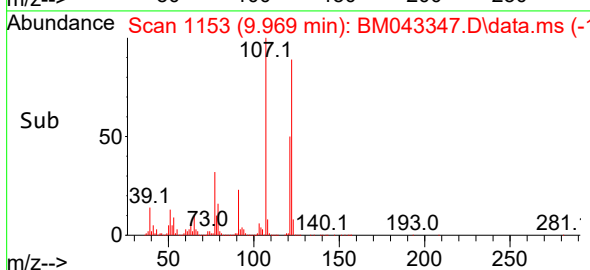
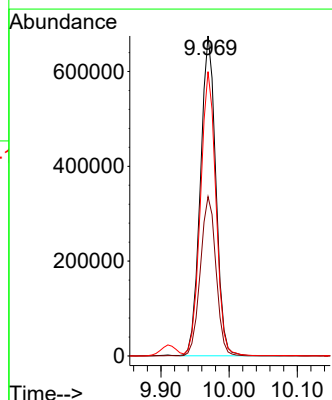
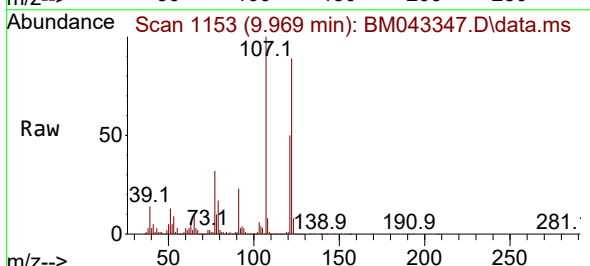
Instrument :
 BNA_P
 ClientSampleId :

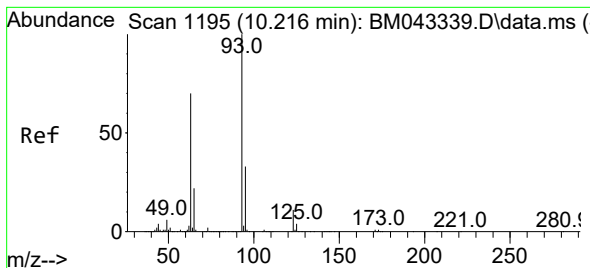
Tgt Ion:139 Resp: 597088
 Ion Ratio Lower Upper
 139 100
 65 56.4 40.6 60.8
 109 29.3 22.6 33.8



#26
 2,4-Dimethylphenol
 Concen: 44.060 ng/ul
 RT: 9.969 min Scan# 1153
 Delta R.T. -0.012 min
 Lab File: BM043347.D
 Acq: 14 Dec 2023 21:55

Tgt Ion:107 Resp: 1063078
 Ion Ratio Lower Upper
 107 100
 121 49.8 42.2 63.2
 122 88.8 72.0 108.0

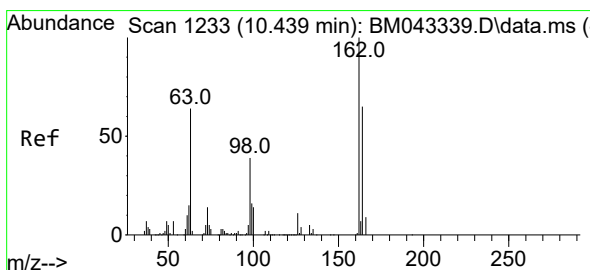
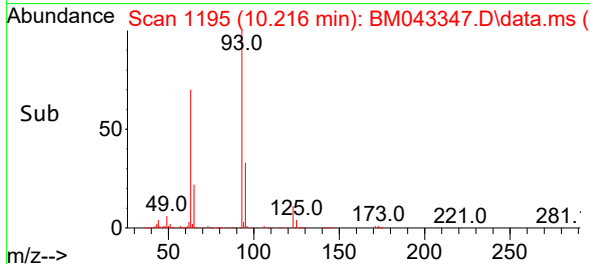
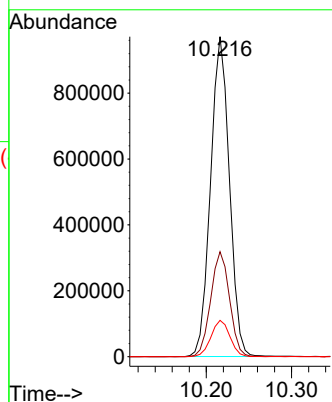
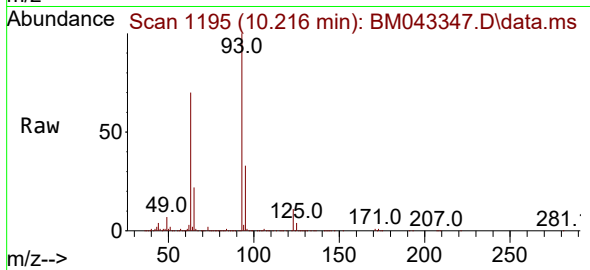




#27
 Bis(2-Chloroethoxy)methane
 Concen: 42.517 ng/ul
 RT: 10.216 min Scan# 1195
 Delta R.T. -0.012 min
 Lab File: BM043347.D
 Acq: 14 Dec 2023 21:55

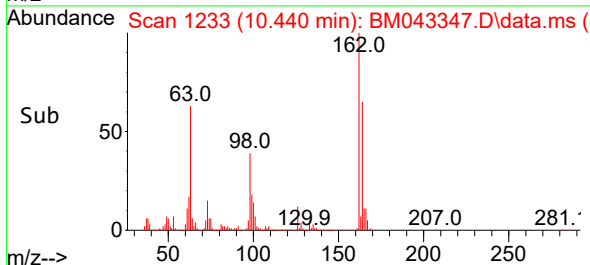
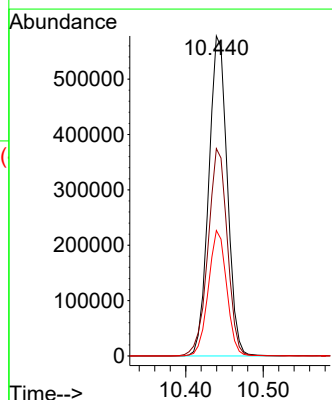
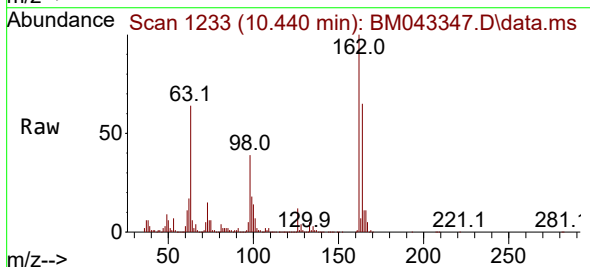
Instrument :
 BNA_P
 ClientSampleId :

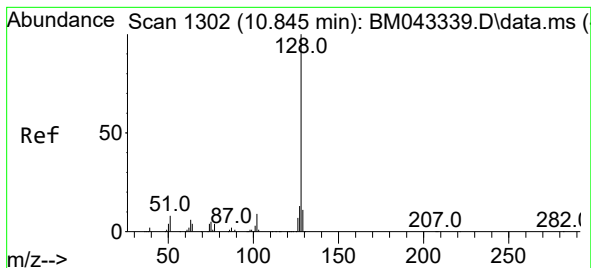
Tgt Ion: 93 Resp: 1491250
 Ion Ratio Lower Upper
 93 100
 95 32.8 26.2 39.2
 123 11.4 9.2 13.8



#29
 2,4-Dichlorophenol
 Concen: 39.529 ng/ul
 RT: 10.440 min Scan# 1233
 Delta R.T. -0.012 min
 Lab File: BM043347.D
 Acq: 14 Dec 2023 21:55

Tgt Ion:162 Resp: 960199
 Ion Ratio Lower Upper
 162 100
 164 64.8 51.4 77.0
 98 39.2 26.9 40.3

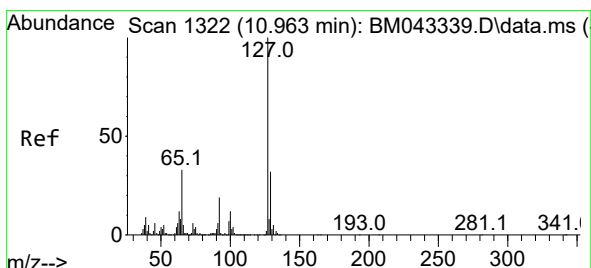
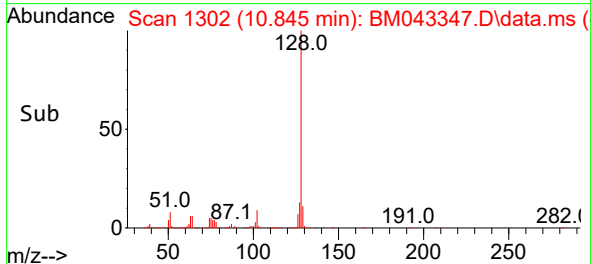
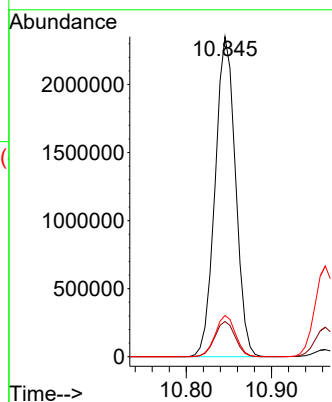
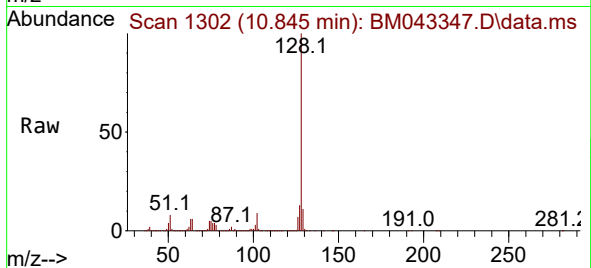




#30
Naphthalene
Concen: 46.671 ng/ul
RT: 10.845 min Scan# 1302
Delta R.T. -0.012 min
Lab File: BM043347.D
Acq: 14 Dec 2023 21:55

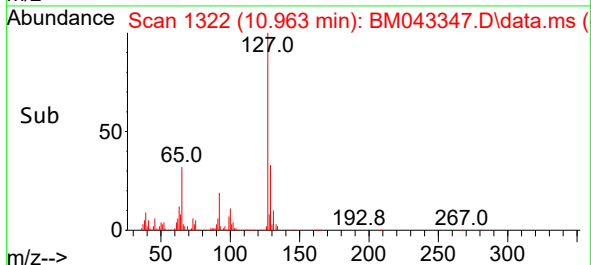
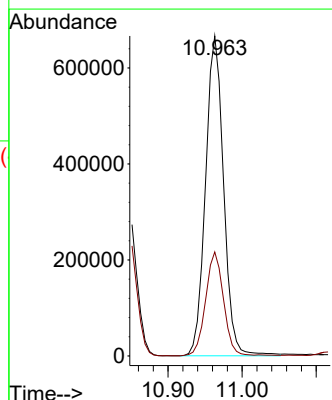
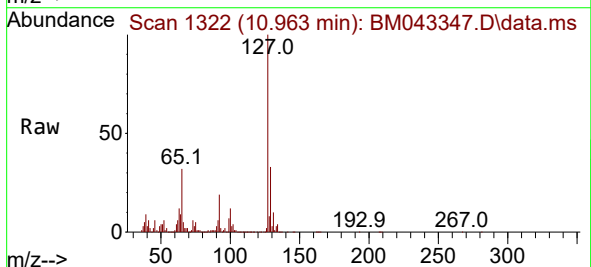
Instrument :
BNA_P
ClientSampleId :

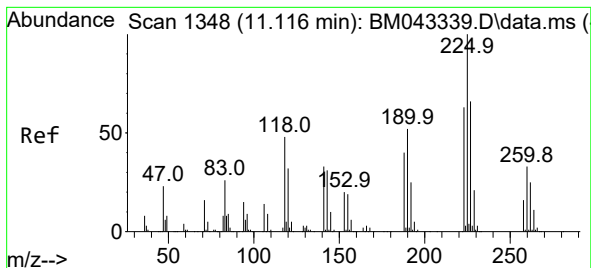
Tgt Ion:128 Resp: 3913479
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.4
127 12.9 10.4 15.6



#32
4-Chloroaniline
Concen: 33.279 ng/ul
RT: 10.963 min Scan# 1322
Delta R.T. -0.012 min
Lab File: BM043347.D
Acq: 14 Dec 2023 21:55

Tgt Ion:127 Resp: 1130378
Ion Ratio Lower Upper
127 100
129 32.5 26.0 39.0





#33

Hexachlorobutadiene

Concen: 33.200 ng/ul

RT: 11.116 min Scan# 11

Delta R.T. -0.012 min

Lab File: BM043347.D

Acq: 14 Dec 2023 21:55

Instrument :

BNA_P

ClientSampleId :

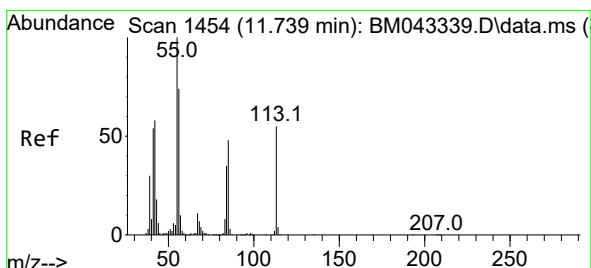
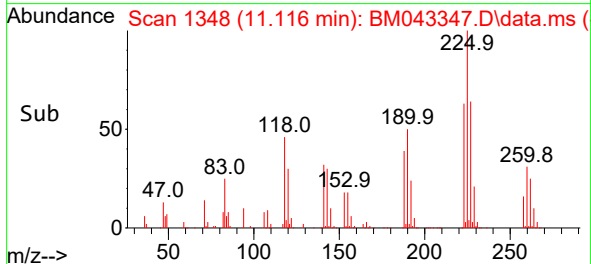
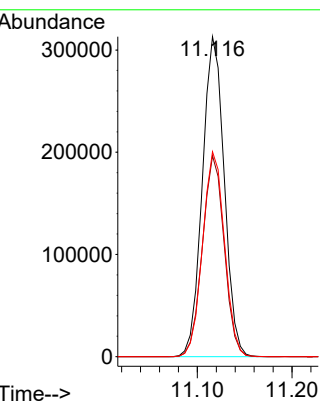
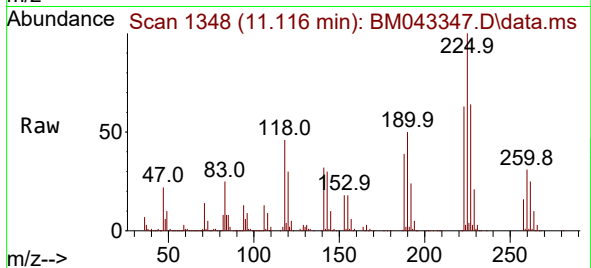
Tgt Ion:225 Resp: 502500

Ion Ratio Lower Upper

225 100

223 62.8 50.2 75.4

227 64.0 52.0 78.0



#34

Caprolactam

Concen: 47.918 ng/ul

RT: 11.751 min Scan# 1456

Delta R.T. 0.000 min

Lab File: BM043347.D

Acq: 14 Dec 2023 21:55

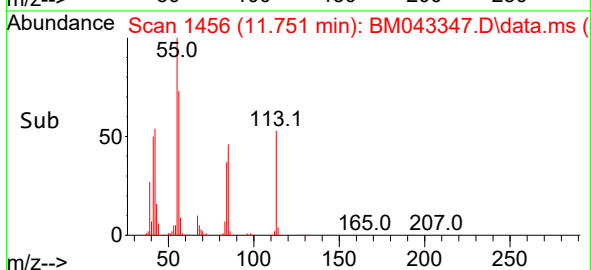
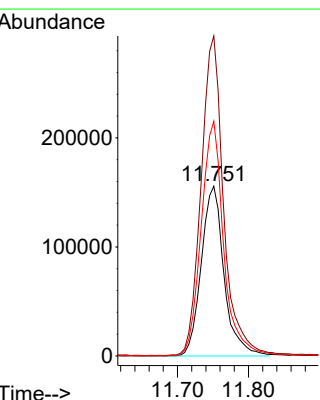
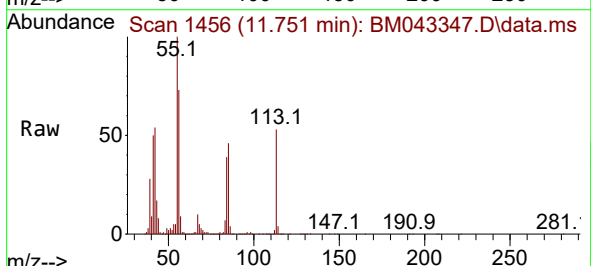
Tgt Ion:113 Resp: 346090

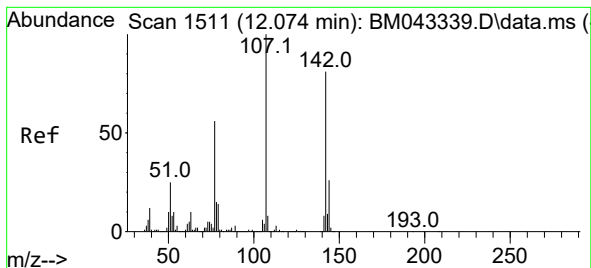
Ion Ratio Lower Upper

113 100

55 188.6 139.5 209.3

56 138.4 103.5 155.3

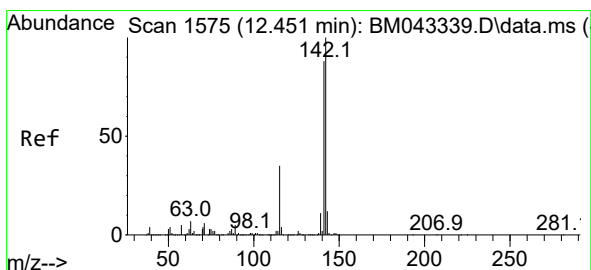
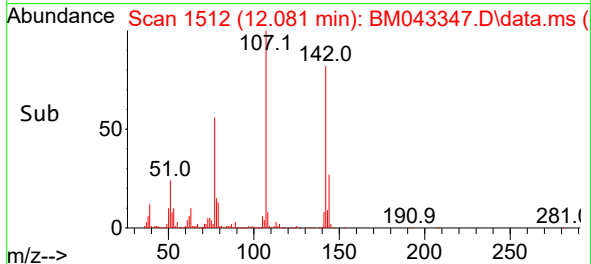
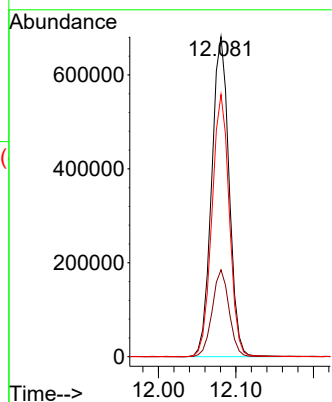
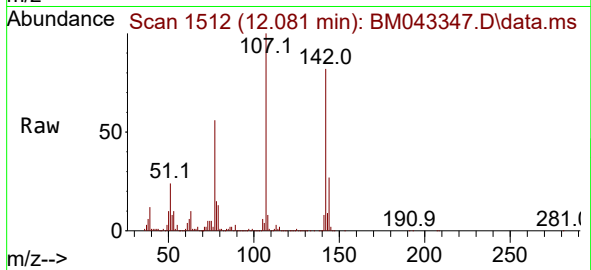




#35
4-Chloro-3-methylphenol
Concen: 41.761 ng/ul
RT: 12.081 min Scan# 1512
Delta R.T. -0.006 min
Lab File: BM043347.D
Acq: 14 Dec 2023 21:55

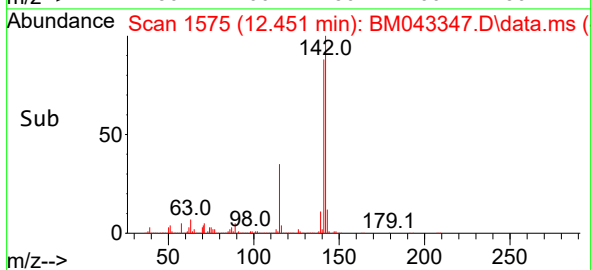
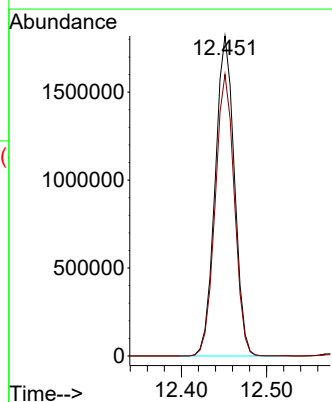
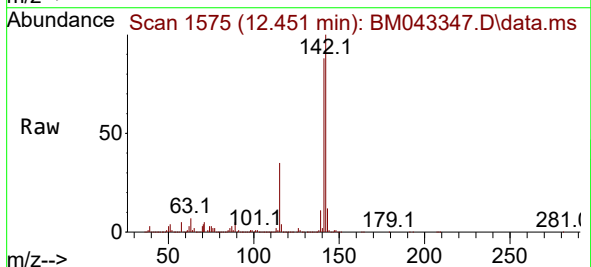
Instrument :
BNA_P
ClientSampleId :

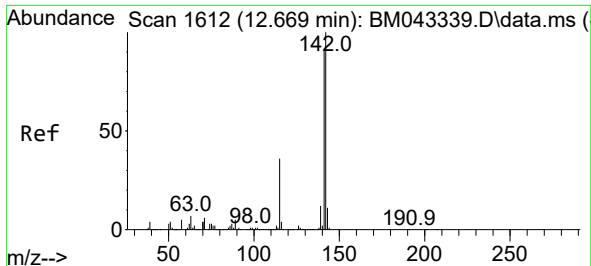
Tgt Ion:107 Resp: 1065174
Ion Ratio Lower Upper
107 100
144 27.2 22.0 33.0
142 82.0 67.3 100.9



#36
2-Methylnaphthalene
Concen: 47.181 ng/ul
RT: 12.451 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BM043347.D
Acq: 14 Dec 2023 21:55

Tgt Ion:142 Resp: 2846365
Ion Ratio Lower Upper
142 100
141 88.0 70.0 105.0





#37

1-Methylnaphthalene

Concen: 42.993 ng/ul

RT: 12.669 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM043347.D

Acq: 14 Dec 2023 21:55

Instrument :

BNA_P

ClientSampleId :

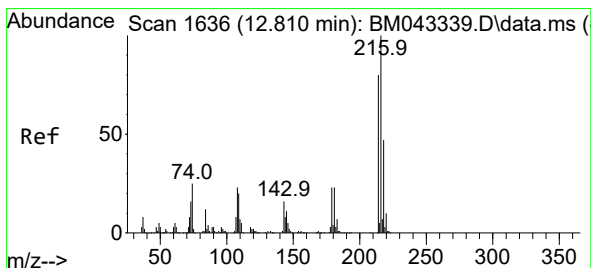
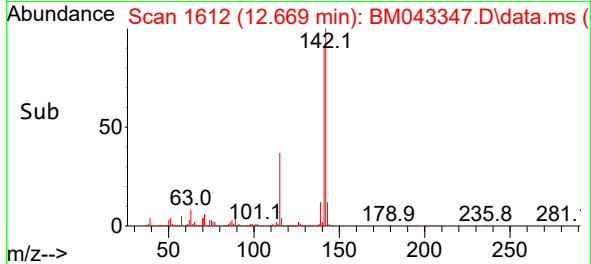
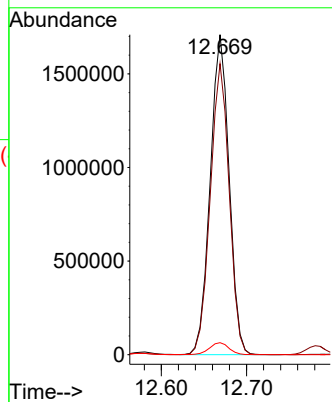
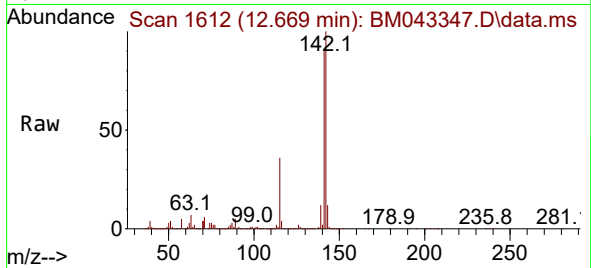
Tgt Ion:142 Resp: 2632630

Ion Ratio Lower Upper

142 100

141 91.0 71.9 107.9

116 3.7 2.8 4.2



#39

1,2,4,5-Tetrachlorobenzene

Concen: 38.761 ng/ul

RT: 12.810 min Scan# 1636

Delta R.T. -0.012 min

Lab File: BM043347.D

Acq: 14 Dec 2023 21:55

Tgt Ion:216 Resp: 967859

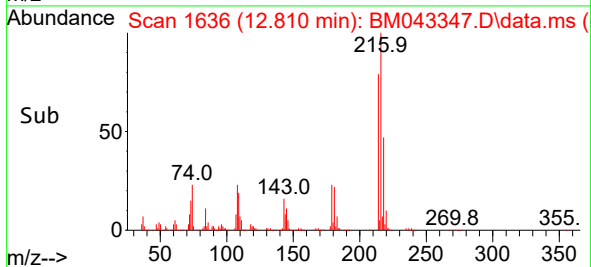
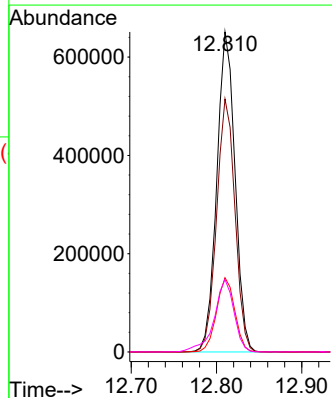
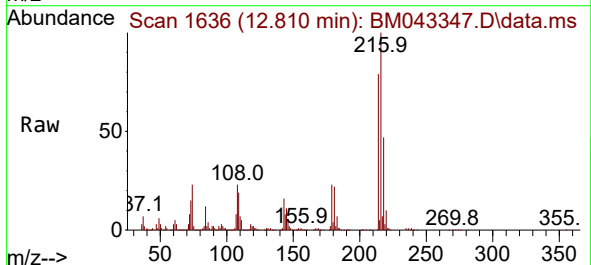
Ion Ratio Lower Upper

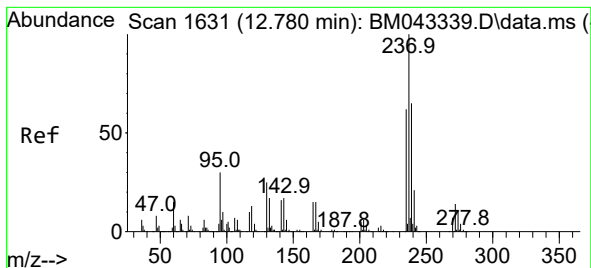
216 100

214 79.1 63.1 94.7

179 23.2 16.4 24.6

108 22.7 13.6 20.4#





#40

Hexachlorocyclopentadiene

Concen: 32.894 ng/ul

RT: 12.781 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM043347.D

Acq: 14 Dec 2023 21:55

Instrument :

BNA_P

ClientSampleId :

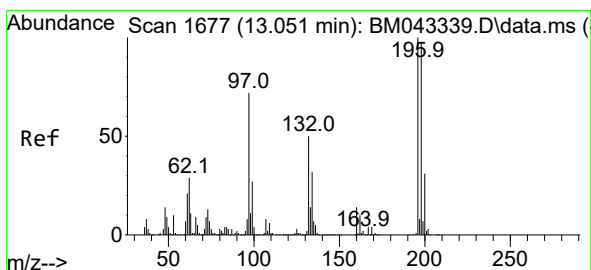
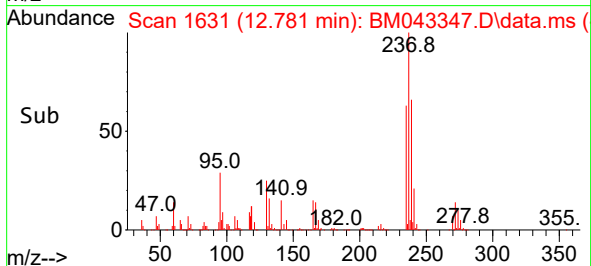
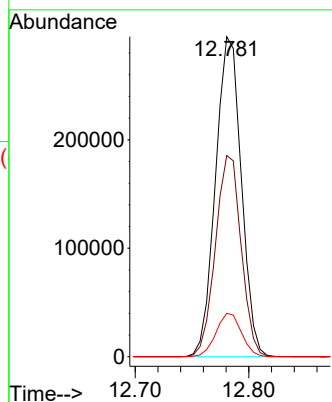
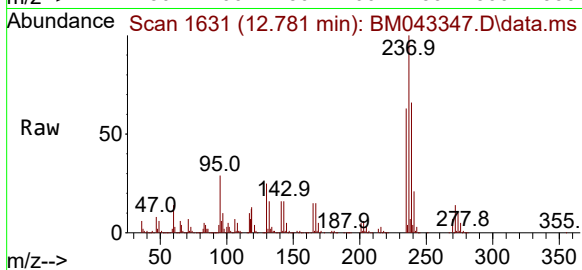
Tgt Ion:237 Resp: 466059

Ion Ratio Lower Upper

237 100

235 62.8 50.5 75.7

272 13.6 10.6 16.0



#41

2,4,6-Trichlorophenol

Concen: 43.302 ng/ul

RT: 13.057 min Scan# 1678

Delta R.T. -0.006 min

Lab File: BM043347.D

Acq: 14 Dec 2023 21:55

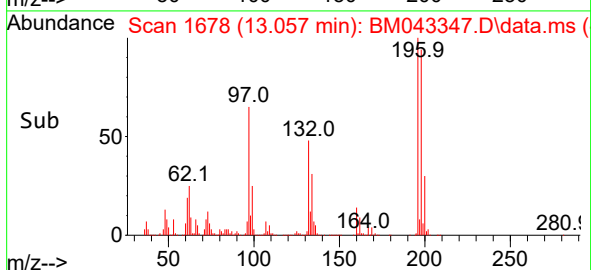
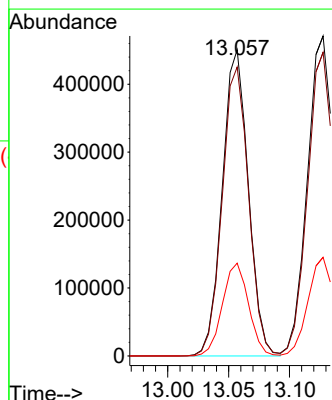
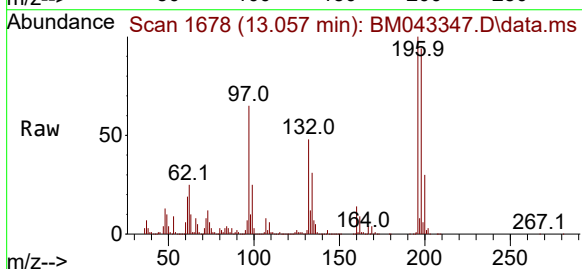
Tgt Ion:196 Resp: 672830

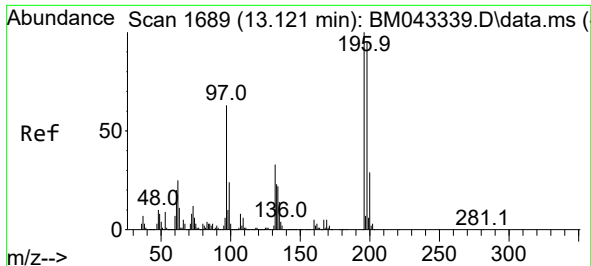
Ion Ratio Lower Upper

196 100

198 94.3 77.0 115.4

200 30.3 25.0 37.4

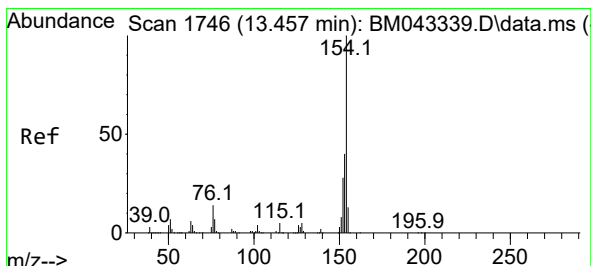
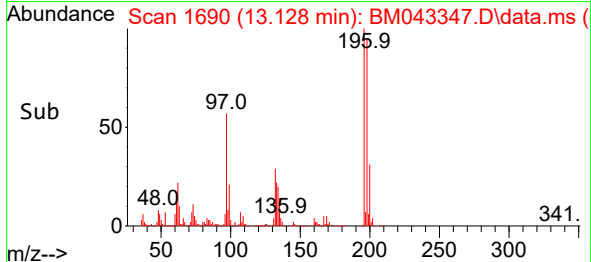
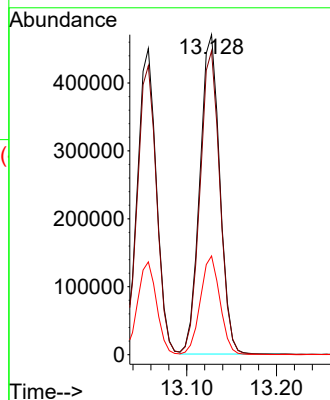
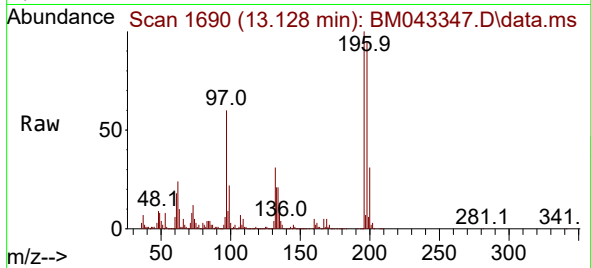




#42
2,4,5-Trichlorophenol
Concen: 42.868 ng/ul
RT: 13.128 min Scan# 1690
Delta R.T. -0.006 min
Lab File: BM043347.D
Acq: 14 Dec 2023 21:55

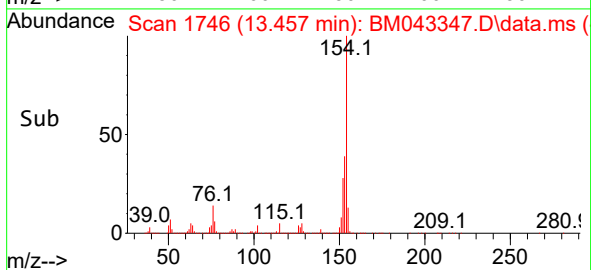
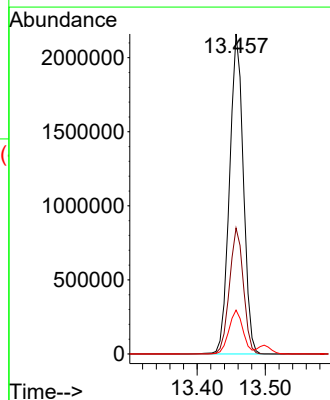
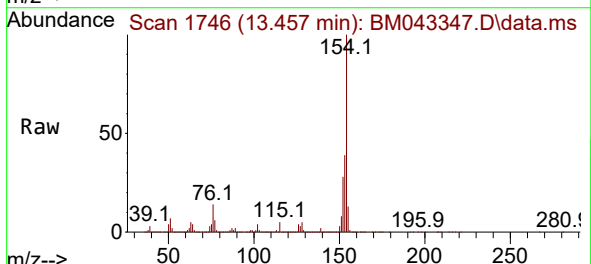
Instrument :
BNA_P
ClientSampleId :

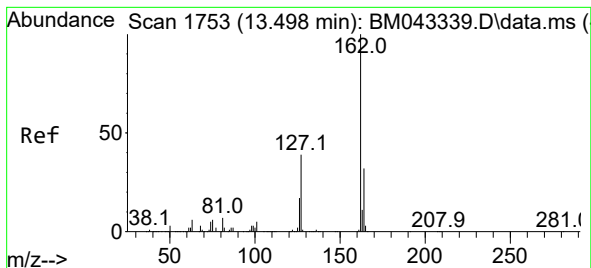
Tgt Ion:196 Resp: 724946
Ion Ratio Lower Upper
196 100
198 94.9 76.1 114.1
200 30.8 24.6 36.8



#43
1,1'-Biphenyl
Concen: 46.754 ng/ul
RT: 13.457 min Scan# 1746
Delta R.T. -0.012 min
Lab File: BM043347.D
Acq: 14 Dec 2023 21:55

Tgt Ion:154 Resp: 3052542
Ion Ratio Lower Upper
154 100
153 39.4 31.8 47.6
76 13.7 9.3 13.9





#44

2-Chloronaphthalene

Concen: 44.291 ng/ul

RT: 13.498 min Scan# 1753

Delta R.T. -0.012 min

Lab File: BM043347.D

Acq: 14 Dec 2023 21:55

Instrument :

BNA_P

ClientSampleId :

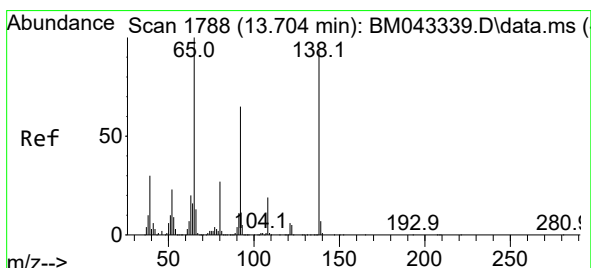
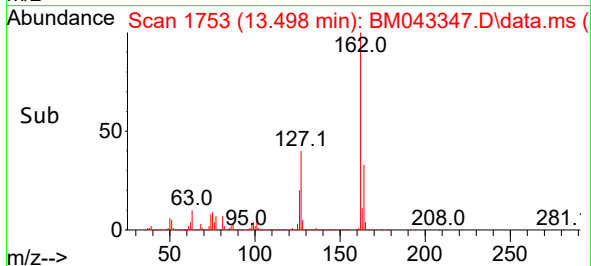
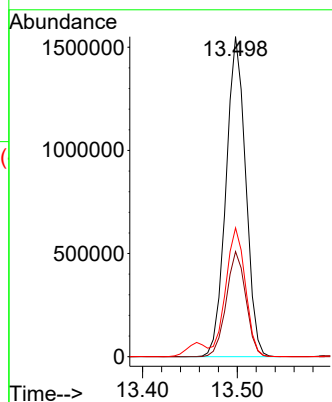
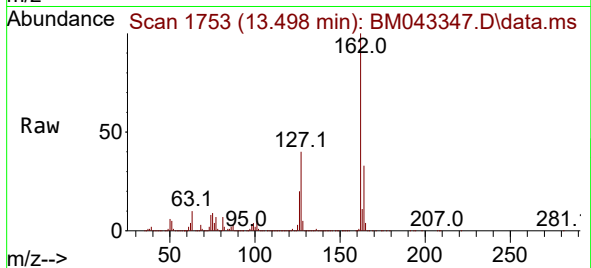
Tgt Ion:162 Resp: 2241546

Ion Ratio Lower Upper

162 100

164 32.8 26.4 39.6

127 40.2 30.0 45.0



#45

2-Nitroaniline

Concen: 56.261 ng/ul

RT: 13.710 min Scan# 1789

Delta R.T. -0.006 min

Lab File: BM043347.D

Acq: 14 Dec 2023 21:55

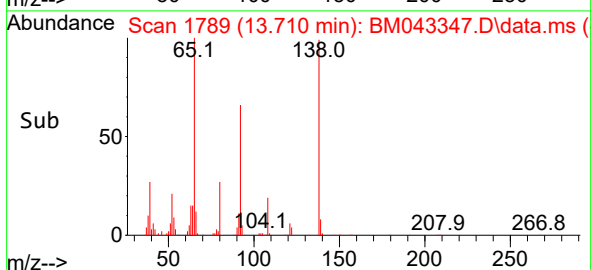
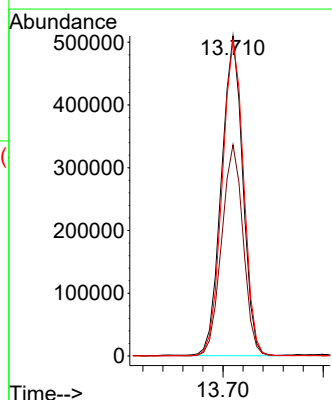
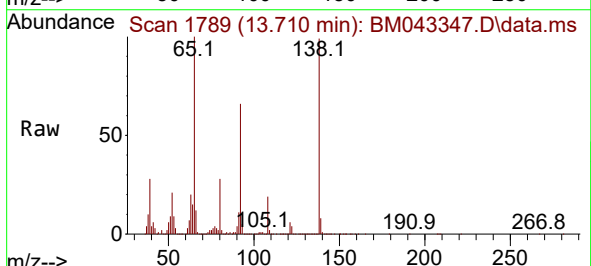
Tgt Ion: 65 Resp: 752422

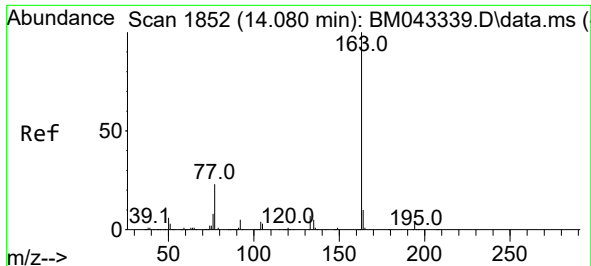
Ion Ratio Lower Upper

65 100

92 66.0 53.4 80.0

138 98.7 86.2 129.2





#47

Dimethylphthalate

Concen: 41.674 ng/ul

RT: 14.086 min Scan# 1852

Delta R.T. -0.006 min

Lab File: BM043347.D

Acq: 14 Dec 2023 21:55

Instrument :

BNA_P

ClientSampleId :

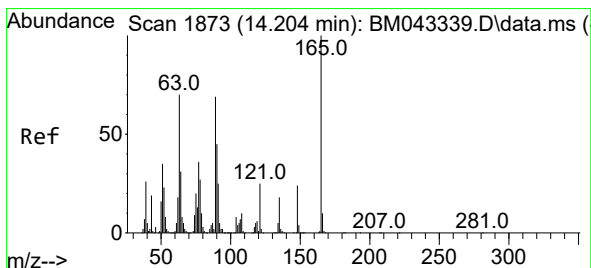
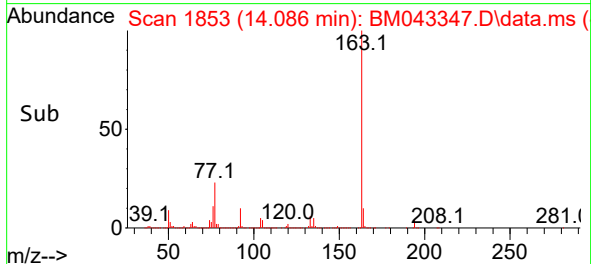
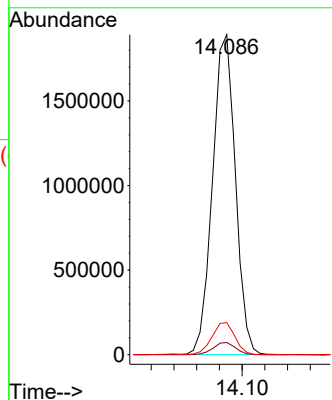
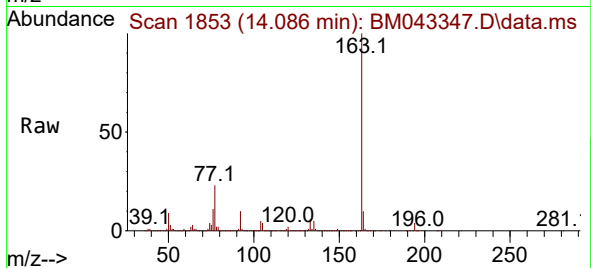
Tgt Ion:163 Resp: 2644423

Ion Ratio Lower Upper

163 100

194 3.8 3.3 4.9

164 10.1 7.9 11.9



#48

2,6-Dinitrotoluene

Concen: 46.173 ng/ul

RT: 14.210 min Scan# 1874

Delta R.T. -0.006 min

Lab File: BM043347.D

Acq: 14 Dec 2023 21:55

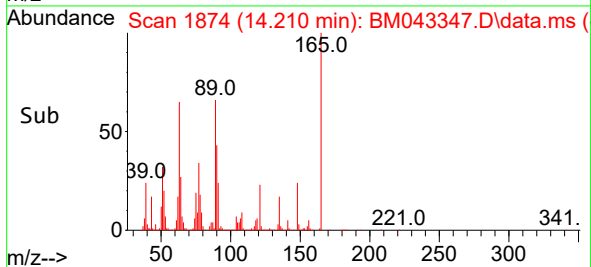
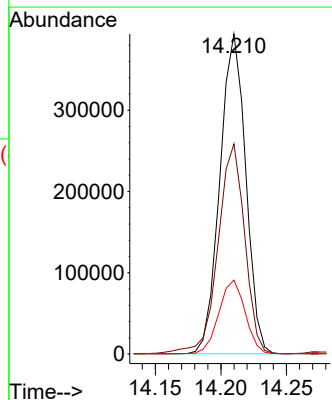
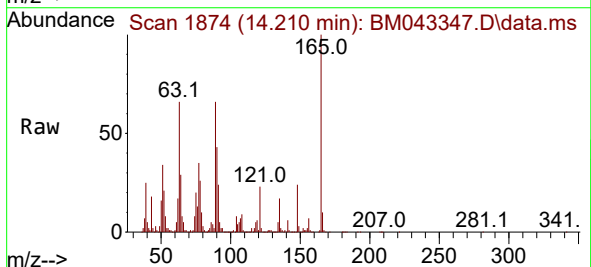
Tgt Ion:165 Resp: 539809

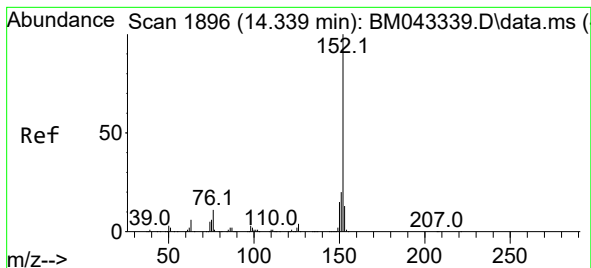
Ion Ratio Lower Upper

165 100

89 65.6 47.5 71.3

121 23.1 17.1 25.7





#50

Acenaphthylene

Concen: 47.277 ng/ul

RT: 14.339 min Scan# 1896

Delta R.T. -0.012 min

Lab File: BM043347.D

Acq: 14 Dec 2023 21:55

Instrument :

BNA_P

ClientSampleId :

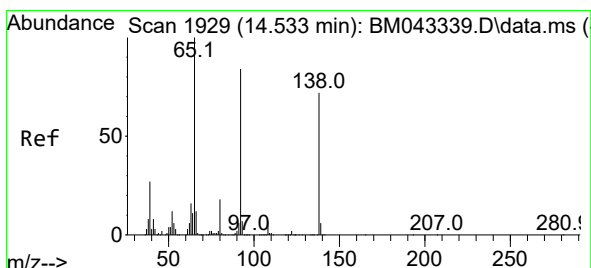
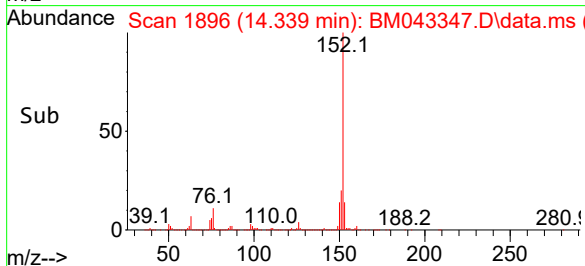
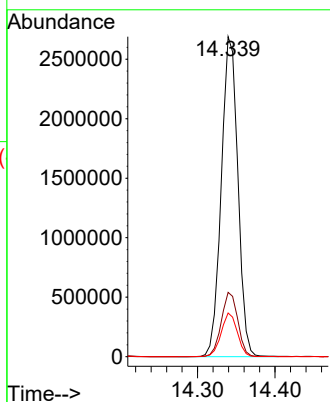
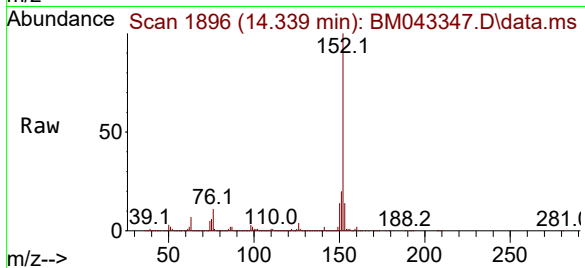
Tgt Ion:152 Resp: 3999447

Ion Ratio Lower Upper

152 100

151 20.1 16.0 24.0

153 13.6 10.3 15.5



#51

3-Nitroaniline

Concen: 47.775 ng/ul

RT: 14.533 min Scan# 1929

Delta R.T. -0.006 min

Lab File: BM043347.D

Acq: 14 Dec 2023 21:55

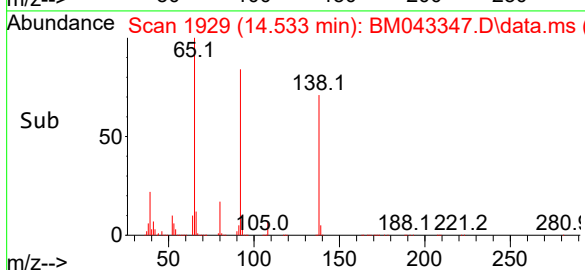
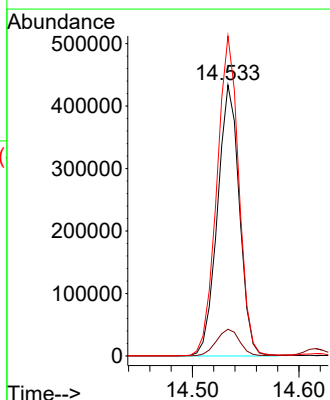
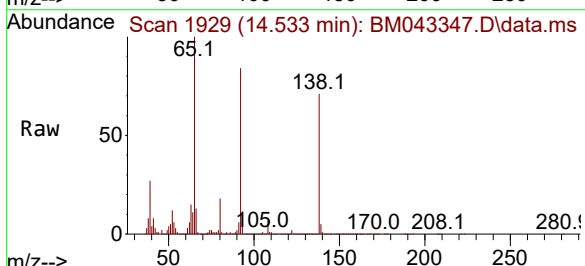
Tgt Ion:138 Resp: 619653

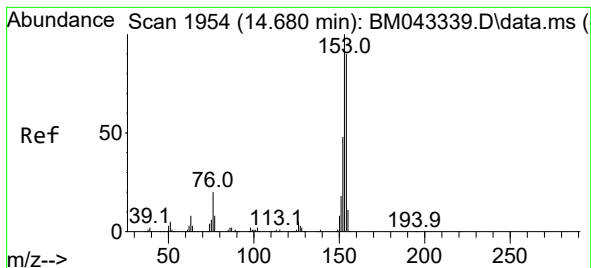
Ion Ratio Lower Upper

138 100

108 9.9 9.4 14.0

92 118.2 87.9 131.9





#52

Acenaphthene

Concen: 100.961 ng/ul

RT: 14.680 min Scan# 1954

Delta R.T. -0.006 min

Lab File: BM043347.D

Acq: 14 Dec 2023 21:55

Instrument :

BNA_P

ClientSampleId :

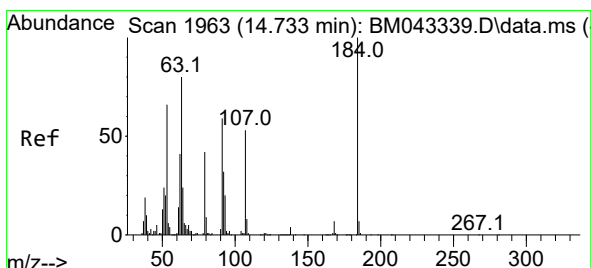
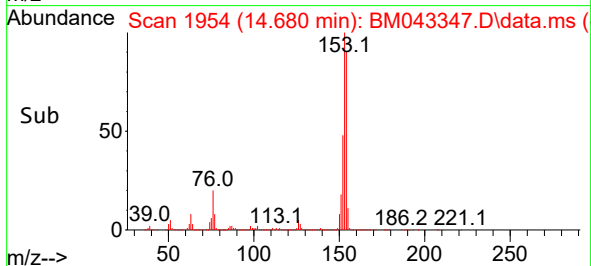
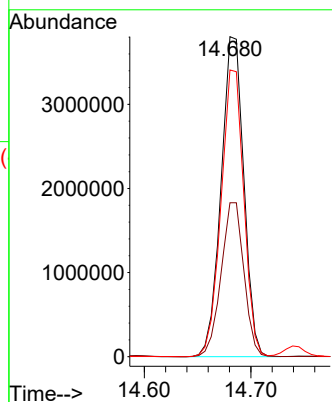
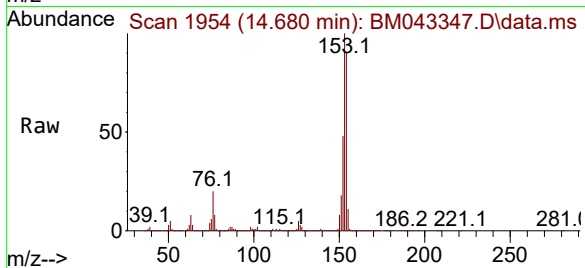
Tgt Ion:153 Resp: 5633706

Ion Ratio Lower Upper

153 100

152 48.1 38.6 58.0

154 89.6 71.6 107.4



#53

2,4-Dinitrophenol

Concen: 47.228 ng/ul

RT: 14.739 min Scan# 1964

Delta R.T. 0.000 min

Lab File: BM043347.D

Acq: 14 Dec 2023 21:55

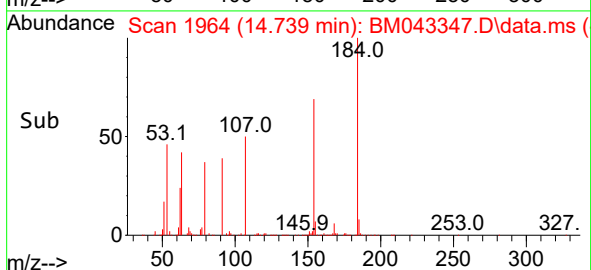
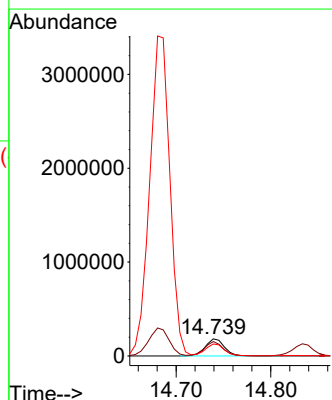
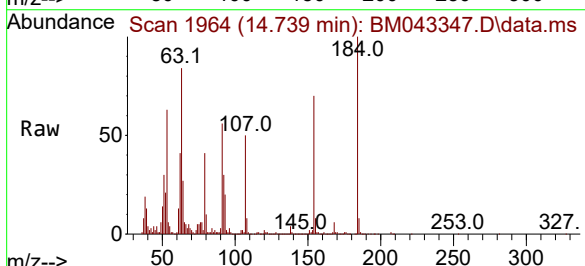
Tgt Ion:184 Resp: 253477

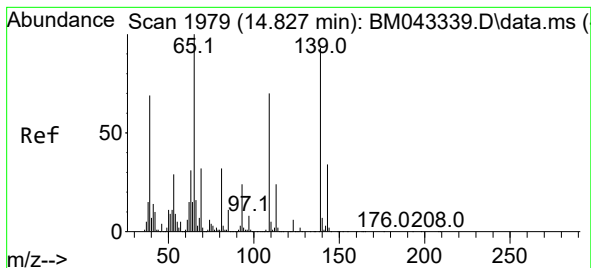
Ion Ratio Lower Upper

184 100

63 84.3 52.2 78.4#

154 69.8 47.8 71.8





#55

4-Nitrophenol

Concen: 50.089 ng/ul

RT: 14.833 min Scan# 1979

Delta R.T. -0.006 min

Lab File: BM043347.D

Acq: 14 Dec 2023 21:55

Instrument :

BNA_P

ClientSampleId :

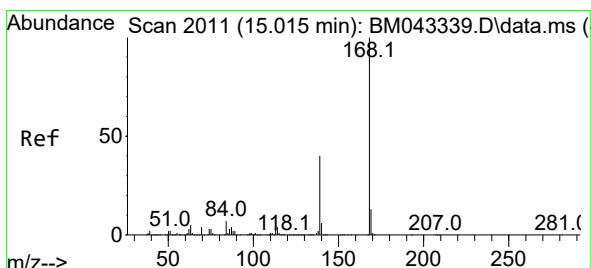
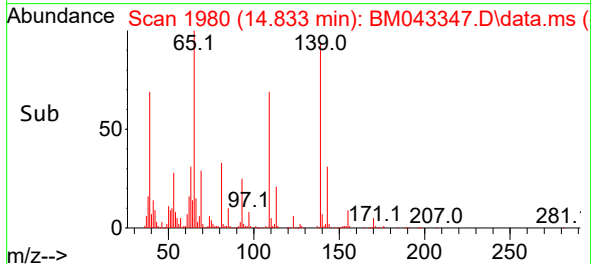
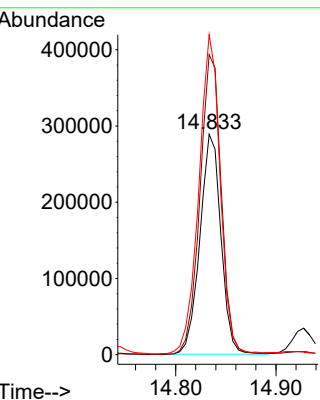
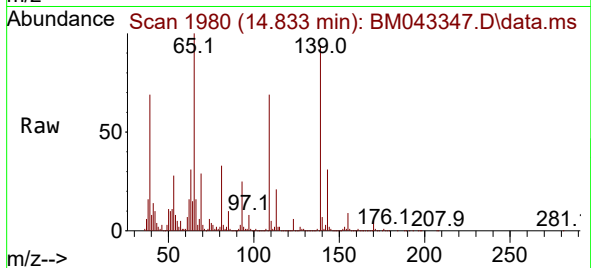
Tgt Ion:109 Resp: 419879

Ion Ratio Lower Upper

109 100

139 136.2 114.7 172.1

65 145.1 109.5 164.3



#56

Dibenzofuran

Concen: 85.907 ng/ul

RT: 15.016 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BM043347.D

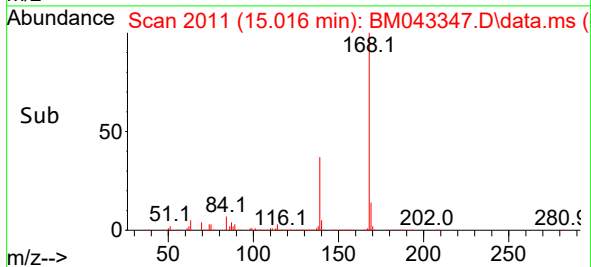
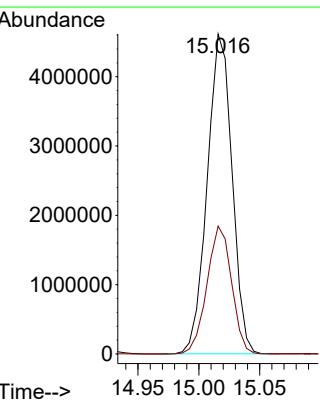
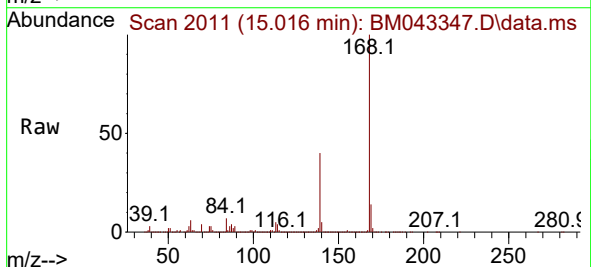
Acq: 14 Dec 2023 21:55

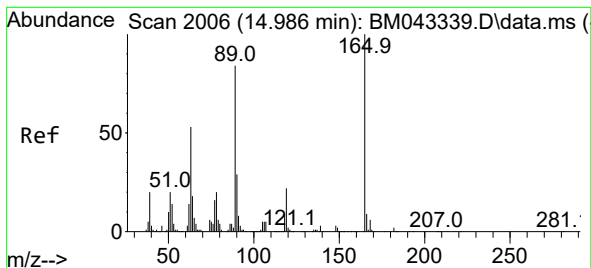
Tgt Ion:168 Resp: 6548085

Ion Ratio Lower Upper

168 100

139 40.0 28.6 43.0





#57

2,4-Dinitrotoluene

Concen: 46.462 ng/ul

RT: 14.992 min Scan# 2007

Delta R.T. 0.000 min

Lab File: BM043347.D

Acq: 14 Dec 2023 21:55

Instrument :

BNA_P

ClientSampleId :

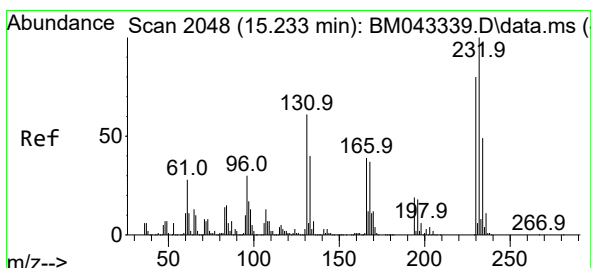
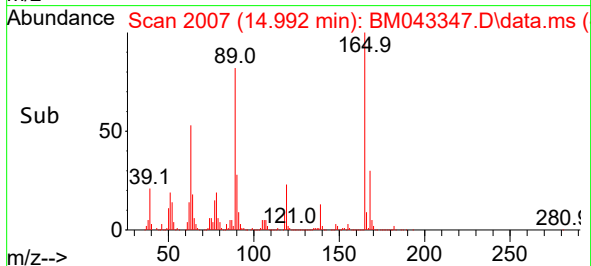
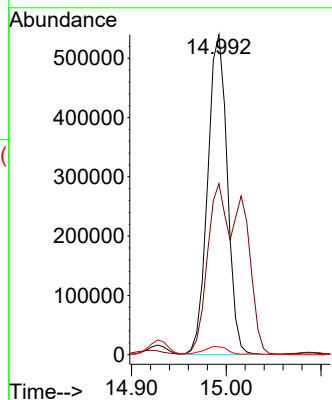
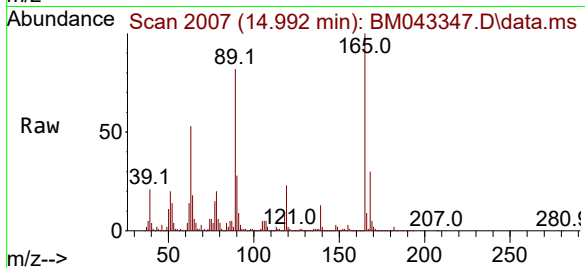
Tgt Ion:165 Resp: 775570

Ion Ratio Lower Upper

165 100

63 53.5 34.6 52.0#

182 2.4 2.1 3.1



#58

2,3,4,6-Tetrachlorophenol

Concen: 38.226 ng/ul

RT: 15.239 min Scan# 2049

Delta R.T. -0.006 min

Lab File: BM043347.D

Acq: 14 Dec 2023 21:55

Tgt Ion:232 Resp: 537327

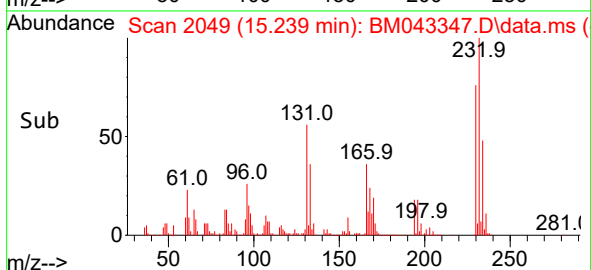
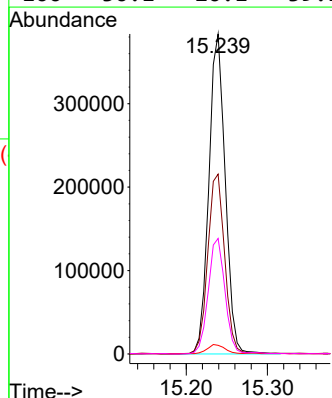
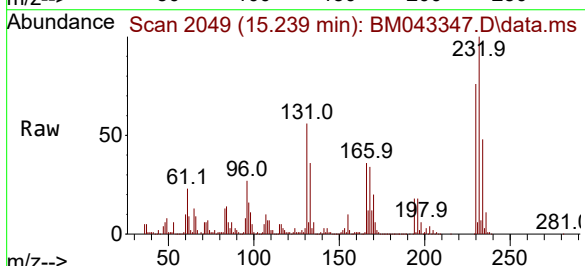
Ion Ratio Lower Upper

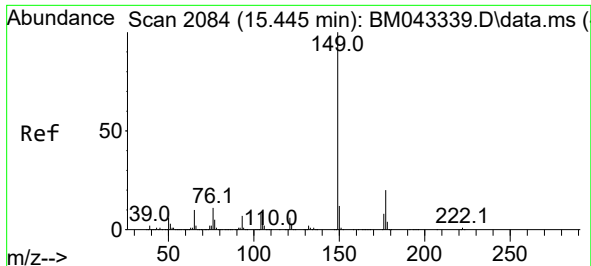
232 100

131 56.2 37.0 55.4#

130 2.7 1.9 2.9

166 36.1 26.1 39.1

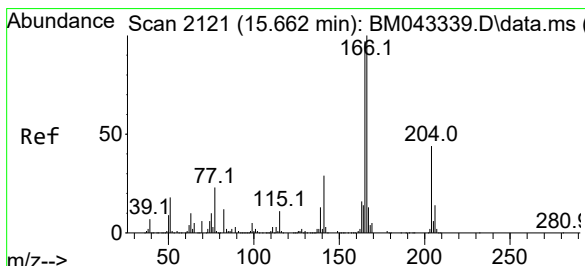
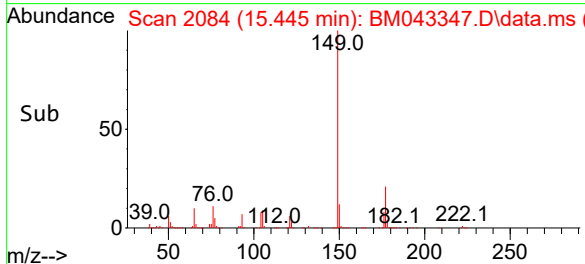
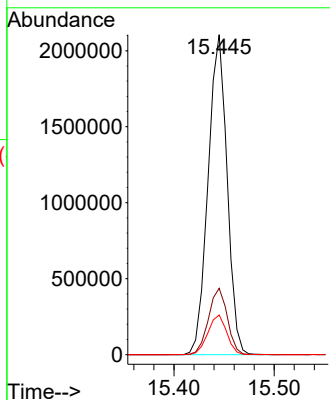
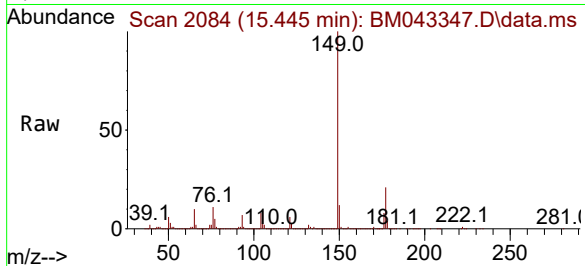




#59
Diethylphthalate
Concen: 43.440 ng/ul
RT: 15.445 min Scan# 2084
Delta R.T. -0.006 min
Lab File: BM043347.D
Acq: 14 Dec 2023 21:55

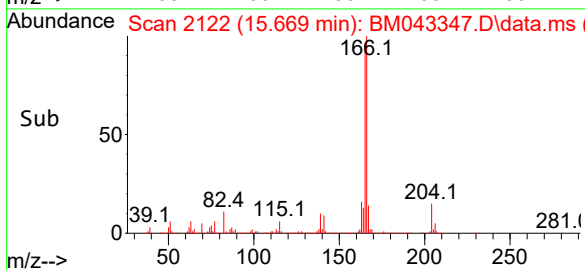
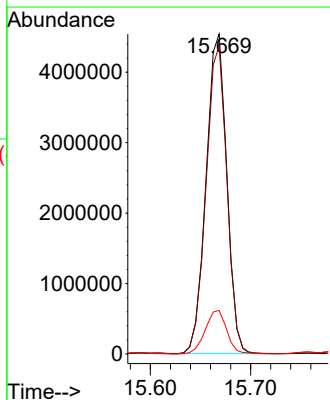
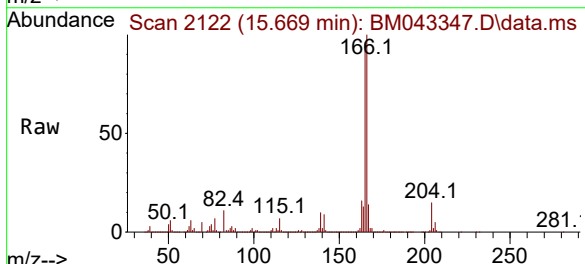
Instrument :
BNA_P
ClientSampleId :

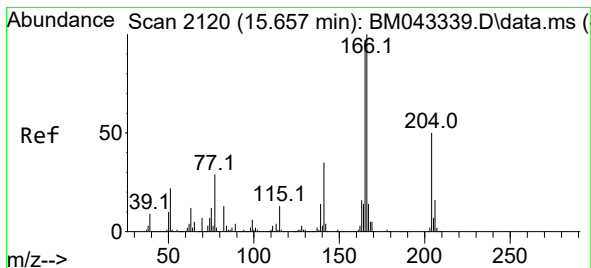
Tgt Ion:149 Resp: 2772641
Ion Ratio Lower Upper
149 100
177 20.8 18.2 27.2
150 12.4 10.0 15.0



#61
Fluorene
Concen: 98.931 ng/ul
RT: 15.669 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BM043347.D
Acq: 14 Dec 2023 21:55

Tgt Ion:166 Resp: 6527724
Ion Ratio Lower Upper
166 100
165 96.3 77.5 116.3
167 13.6 10.7 16.1

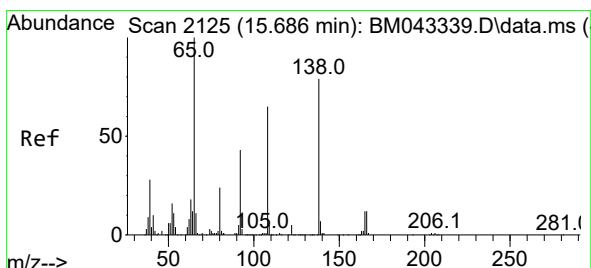
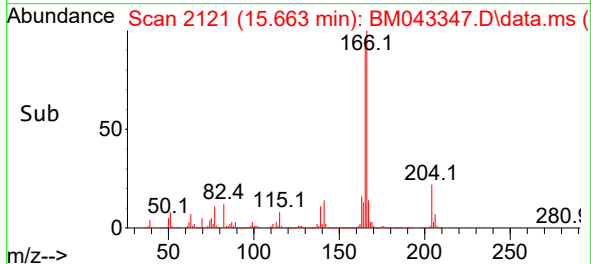
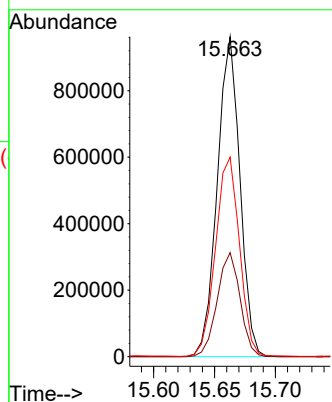
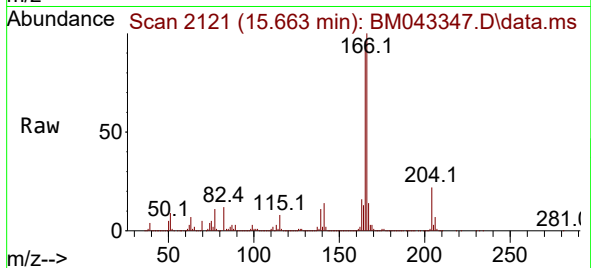




#62
4-Chlorophenyl-phenylether
Concen: 38.260 ng/ul
RT: 15.663 min Scan# 2121
Delta R.T. -0.006 min
Lab File: BM043347.D
Acq: 14 Dec 2023 21:55

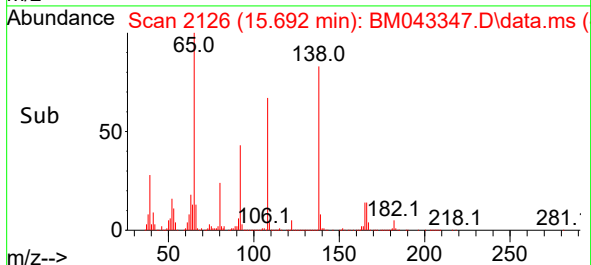
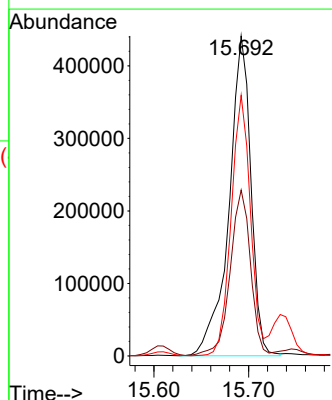
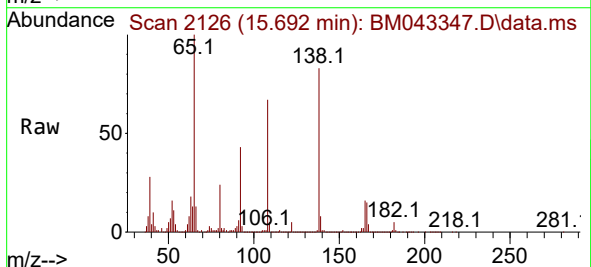
Instrument :
BNA_P
ClientSampleId :

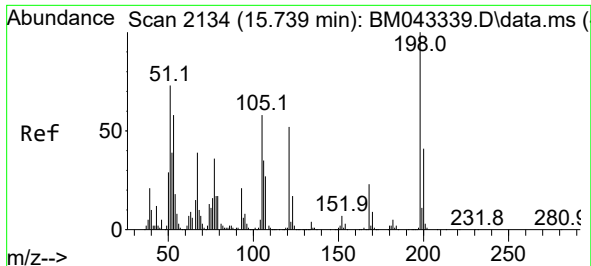
Tgt Ion:204 Resp: 1247192
Ion Ratio Lower Upper
204 100
206 32.5 26.2 39.2
141 62.4 44.2 66.4



#63
4-Nitroaniline
Concen: 54.382 ng/ul
RT: 15.692 min Scan# 2126
Delta R.T. -0.006 min
Lab File: BM043347.D
Acq: 14 Dec 2023 21:55

Tgt Ion:138 Resp: 708697
Ion Ratio Lower Upper
138 100
92 51.8 40.1 60.1
108 81.4 63.0 94.6

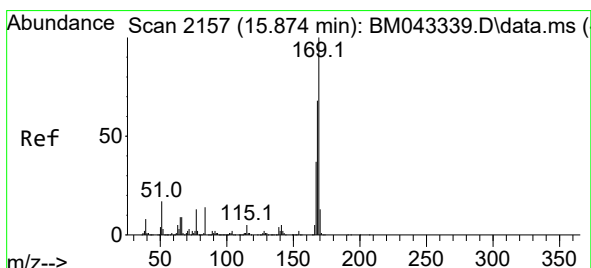
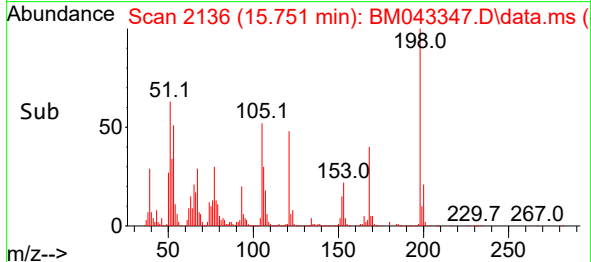
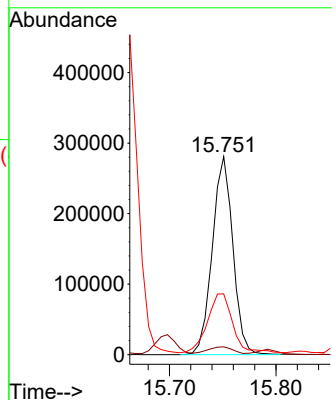
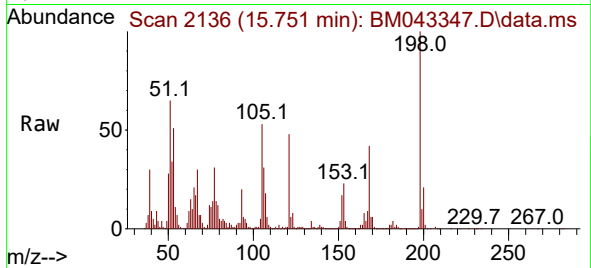




#66
 4,6-Dinitro-2-methylphenol
 Concen: 45.333 ng/ul
 RT: 15.751 min Scan# 2136
 Delta R.T. 0.006 min
 Lab File: BM043347.D
 Acq: 14 Dec 2023 21:55

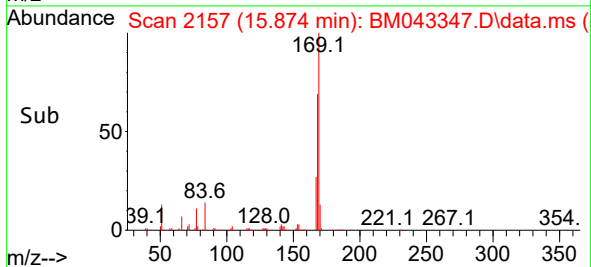
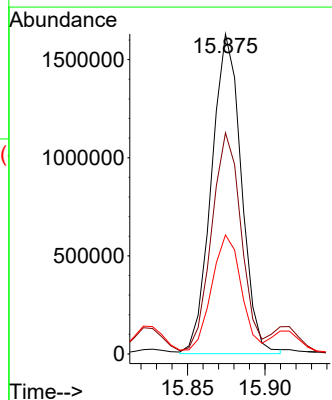
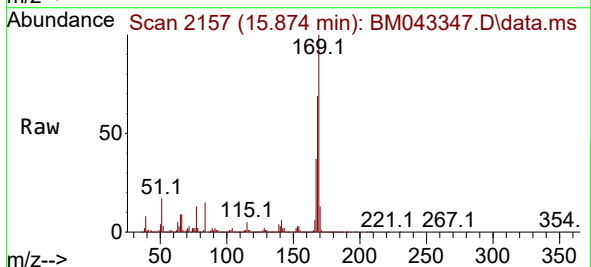
Instrument :
 BNA_P
 ClientSampleId :

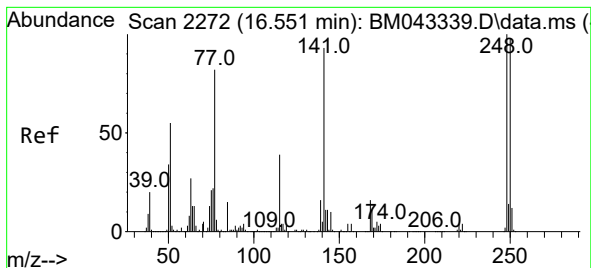
Tgt Ion:198 Resp: 377363
 Ion Ratio Lower Upper
 198 100
 182 4.0 3.2 4.8
 77 30.7 20.1 30.1#



#67
 N-Nitrosodiphenylamine
 Concen: 46.988 ng/ul
 RT: 15.874 min Scan# 2157
 Delta R.T. -0.006 min
 Lab File: BM043347.D
 Acq: 14 Dec 2023 21:55

Tgt Ion:169 Resp: 2179555
 Ion Ratio Lower Upper
 169 100
 168 69.1 53.4 80.2
 167 37.2 29.4 44.0

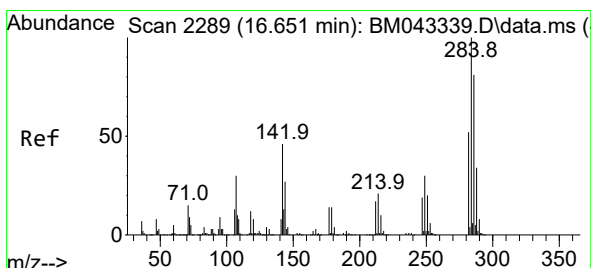
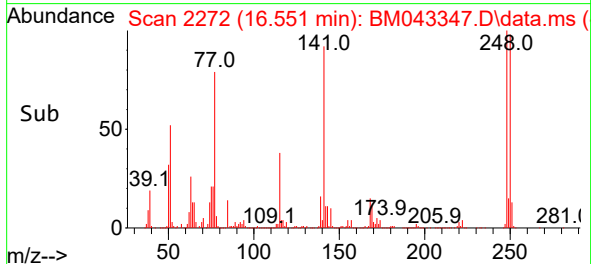
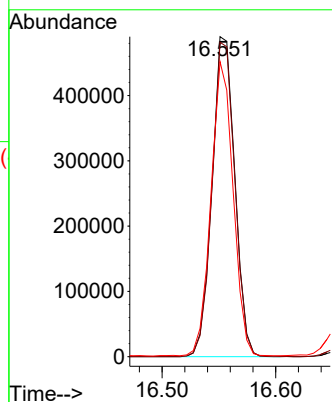
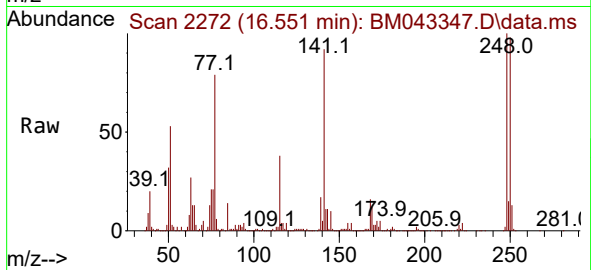




#68
4-Bromophenyl-phenylether
Concen: 40.852 ng/ul
RT: 16.551 min Scan# 211
Delta R.T. -0.012 min
Lab File: BM043347.D
Acq: 14 Dec 2023 21:55

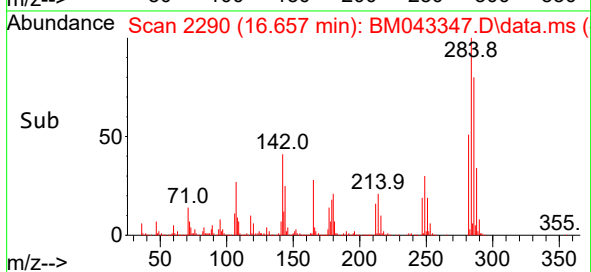
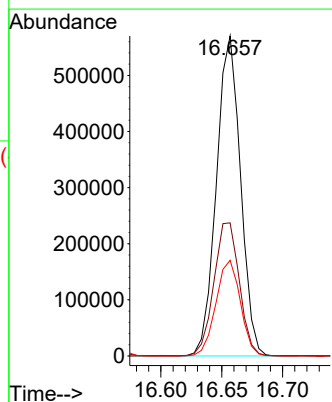
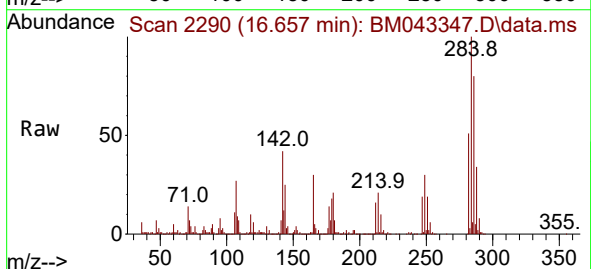
Instrument :
BNA_P
ClientSampleId :

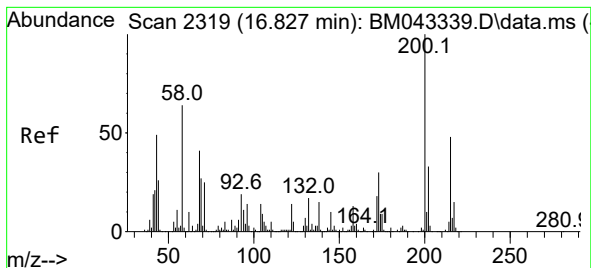
Tgt Ion:248 Resp: 683327
Ion Ratio Lower Upper
248 100
250 98.3 78.9 118.3
141 92.2 60.2 90.2#



#69
Hexachlorobenzene
Concen: 39.583 ng/ul
RT: 16.657 min Scan# 2290
Delta R.T. 0.000 min
Lab File: BM043347.D
Acq: 14 Dec 2023 21:55

Tgt Ion:284 Resp: 785605
Ion Ratio Lower Upper
284 100
142 41.6 26.7 40.1#
249 29.9 24.0 36.0





#70

Atrazine

Concen: 34.355 ng/ul

RT: 16.833 min Scan# 21

Delta R.T. 0.000 min

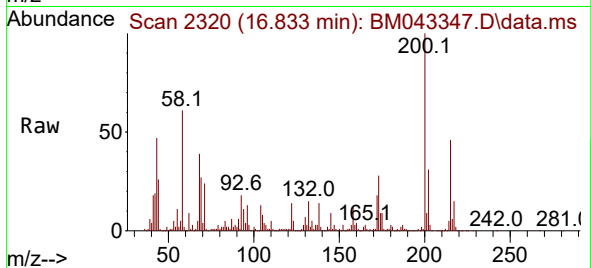
Lab File: BM043347.D

Acq: 14 Dec 2023 21:55

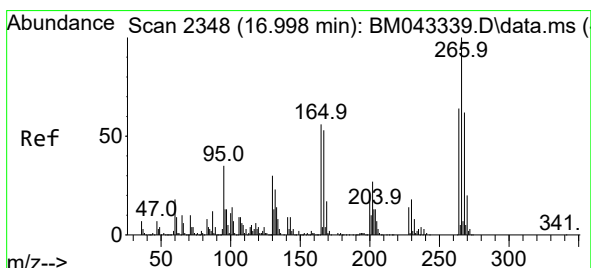
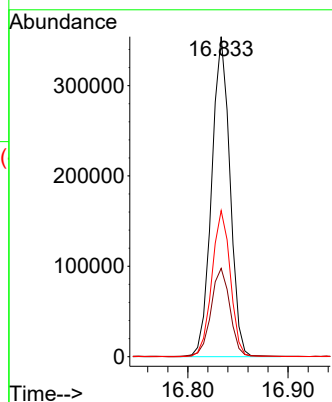
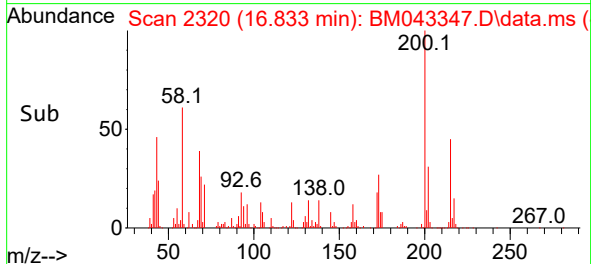
Instrument :

BNA_P

ClientSampleId :



Tgt Ion:	200	Resp:	449395
Ion Ratio	Lower	Upper	
200	100		
173	27.6	20.6	30.8
215	45.7	39.4	59.2



#71

Pentachlorophenol

Concen: 39.886 ng/ul

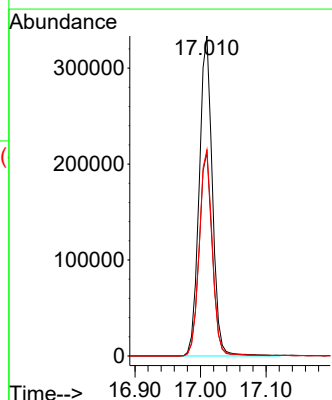
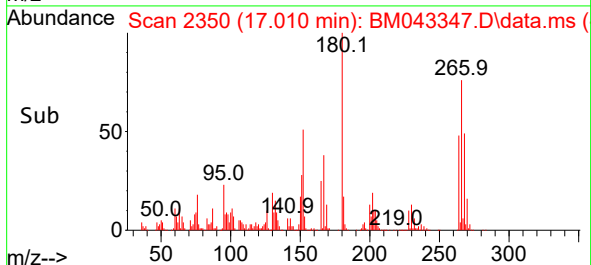
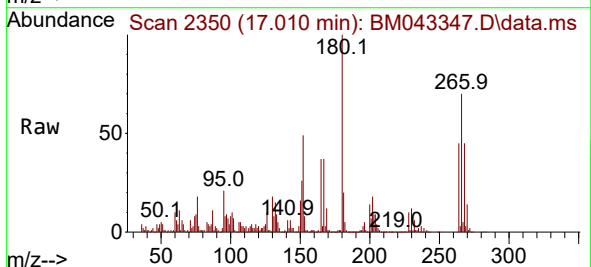
RT: 17.010 min Scan# 2350

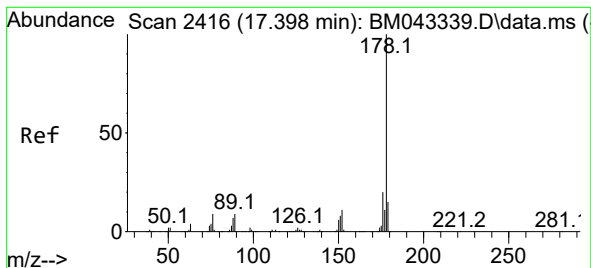
Delta R.T. 0.000 min

Lab File: BM043347.D

Acq: 14 Dec 2023 21:55

Tgt Ion:	266	Resp:	466118
Ion Ratio	Lower	Upper	
266	100		
264	63.7	50.5	75.7
268	64.4	50.4	75.6





#72

Phenanthrene

Concen: 1.752 ng/ul

RT: 17.557 min Scan# 2416

Delta R.T. 0.147 min

Lab File: BM043347.D

Acq: 14 Dec 2023 21:55

Instrument :

BNA_P

ClientSampleId :

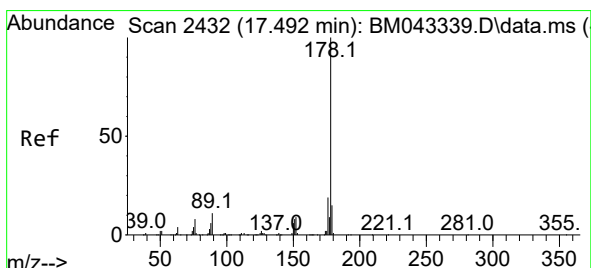
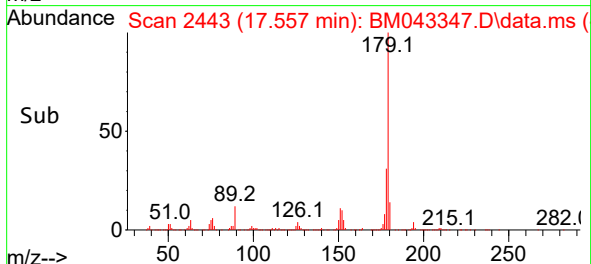
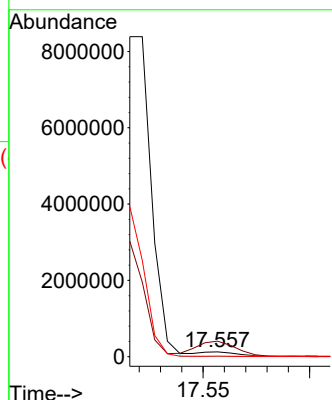
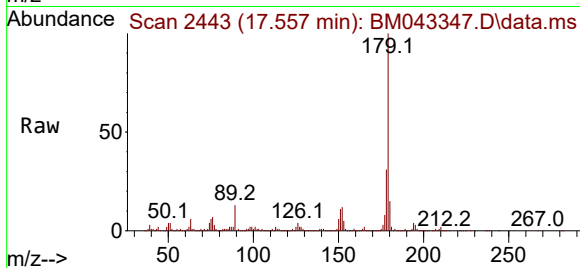
Tgt Ion:178 Resp: 151156

Ion Ratio Lower Upper

178 100

179 319.7 12.2 18.2#

176 8.9 15.7 23.5#



#74

Anthracene

Concen: 1.902 ng/ul

RT: 17.557 min Scan# 2443

Delta R.T. 0.059 min

Lab File: BM043347.D

Acq: 14 Dec 2023 21:55

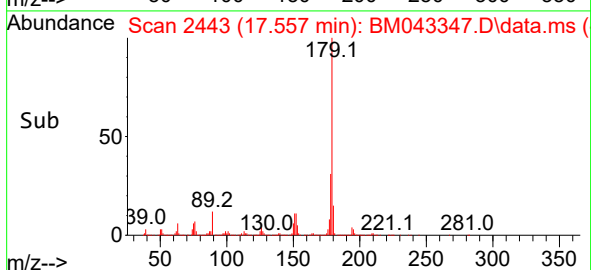
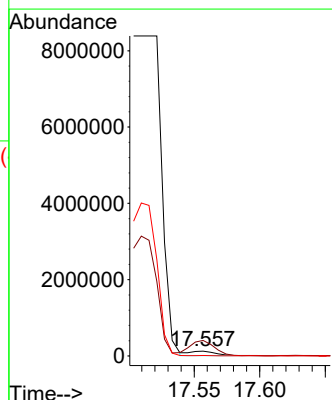
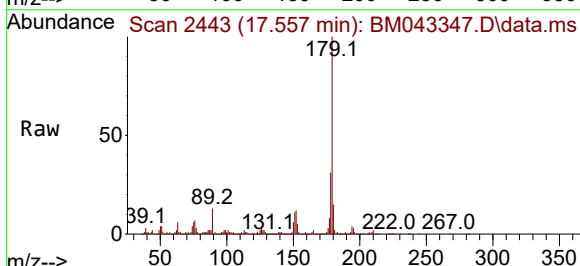
Tgt Ion:178 Resp: 165281

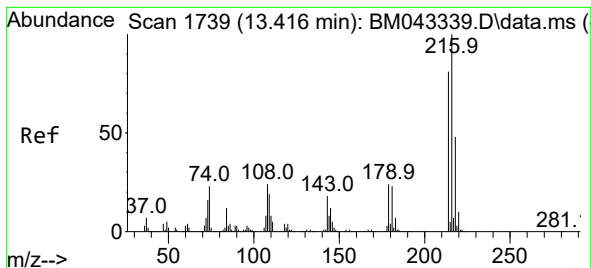
Ion Ratio Lower Upper

178 100

179 319.7 12.1 18.1#

176 8.9 15.1 22.7#





#75

1,2,3,4-Tetrachlorobenzene

Concen: 44.270 ng/uL

RT: 13.416 min Scan# 1739

Delta R.T. -0.012 min

Lab File: BM043347.D

Acq: 14 Dec 2023 21:55

Instrument :

BNA_P

ClientSampleId :

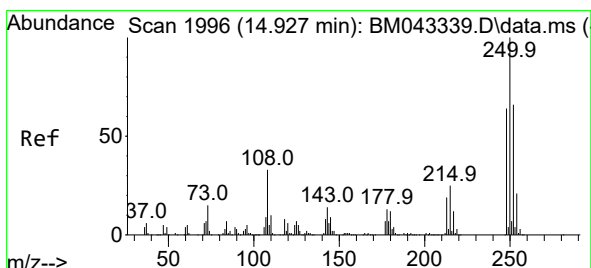
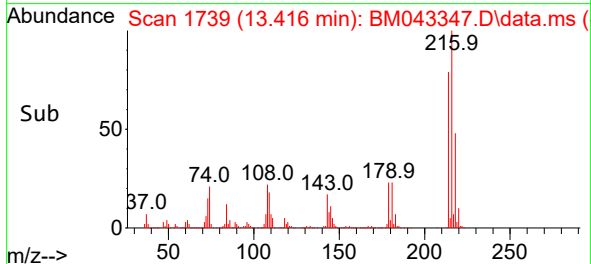
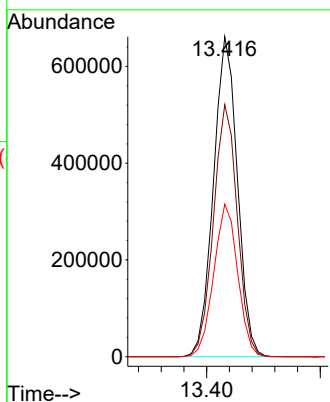
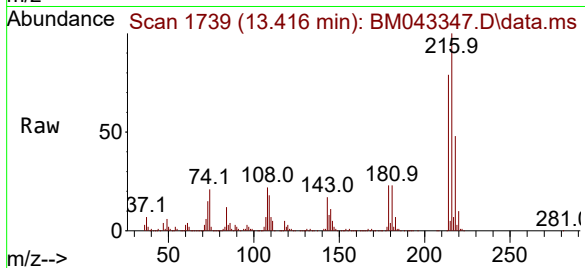
Tgt Ion:216 Resp: 968769

Ion Ratio Lower Upper

216 100

214 78.8 62.2 93.2

218 47.6 37.6 56.4



#76

Pentachlorobenzene

Concen: 41.309 ng/uL

RT: 14.928 min Scan# 1996

Delta R.T. -0.006 min

Lab File: BM043347.D

Acq: 14 Dec 2023 21:55

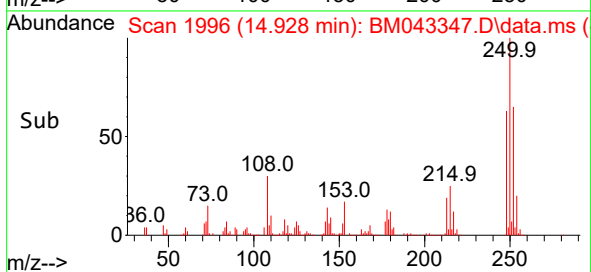
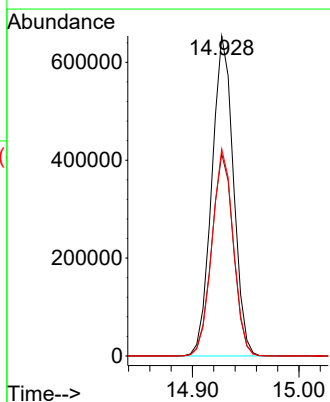
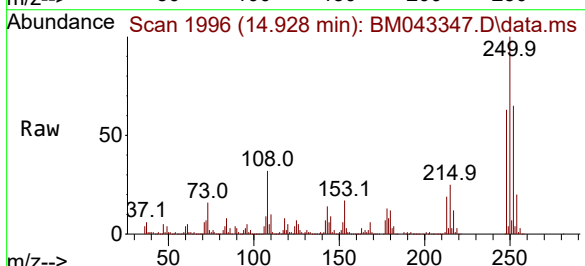
Tgt Ion:250 Resp: 918645

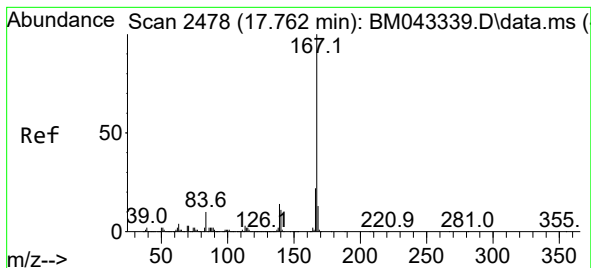
Ion Ratio Lower Upper

250 100

248 63.1 51.8 77.8

252 64.7 51.9 77.9





#77

Carbazole

Concen: 81.364 ng/ul

RT: 17.768 min Scan# 2478

Delta R.T. -0.006 min

Lab File: BM043347.D

Acq: 14 Dec 2023 21:55

Instrument :

BNA_P

ClientSampleId :

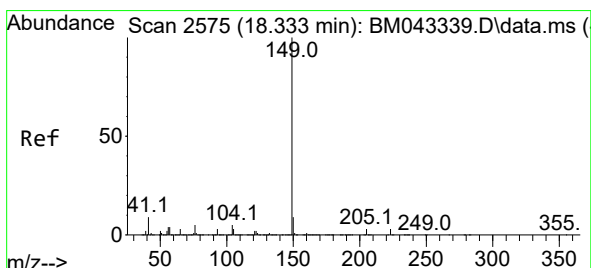
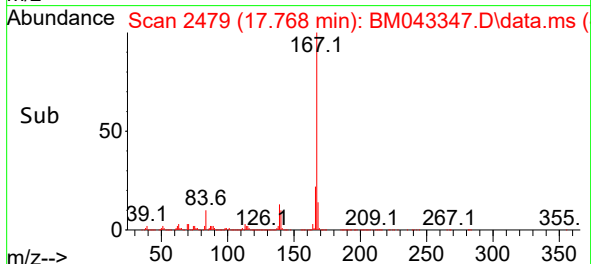
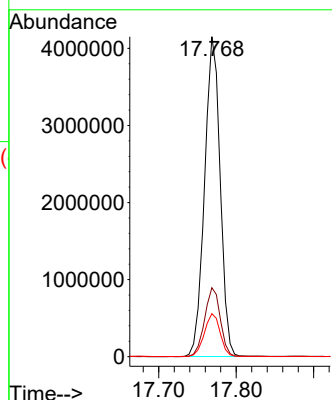
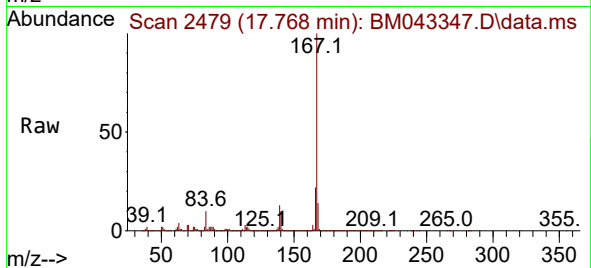
Tgt Ion:167 Resp: 5807051

Ion Ratio Lower Upper

167 100

166 21.5 17.1 25.7

139 13.5 9.9 14.9



#78

Di-n-butylphthalate

Concen: 52.330 ng/ul

RT: 18.333 min Scan# 2575

Delta R.T. -0.006 min

Lab File: BM043347.D

Acq: 14 Dec 2023 21:55

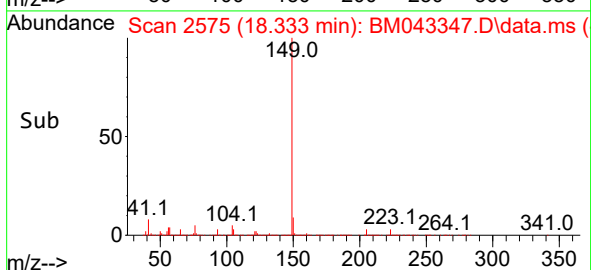
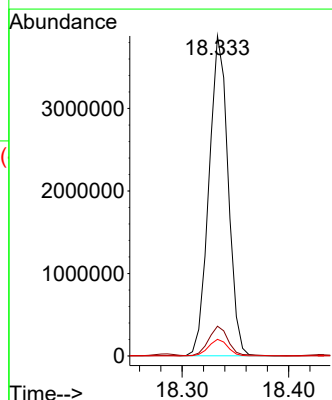
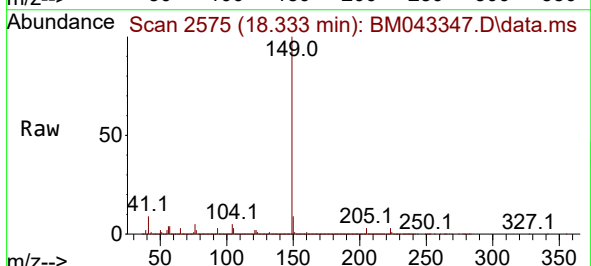
Tgt Ion:149 Resp: 4858072

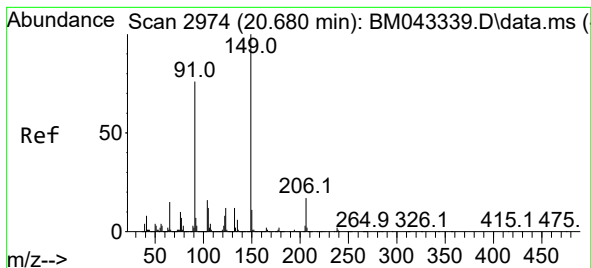
Ion Ratio Lower Upper

149 100

150 9.3 7.2 10.8

104 5.2 3.8 5.6





#83

Butylbenzylphthalate

Concen: 60.793 ng/ul

RT: 20.680 min Scan# 2974

Delta R.T. 0.000 min

Lab File: BM043347.D

Acq: 14 Dec 2023 21:55

Instrument :

BNA_P

ClientSampleId :

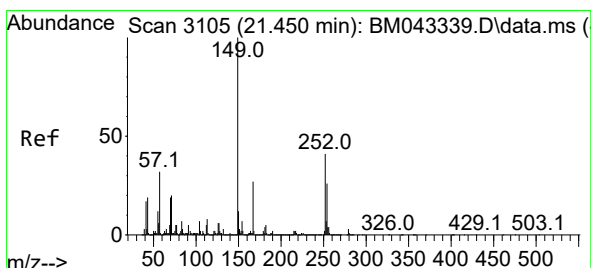
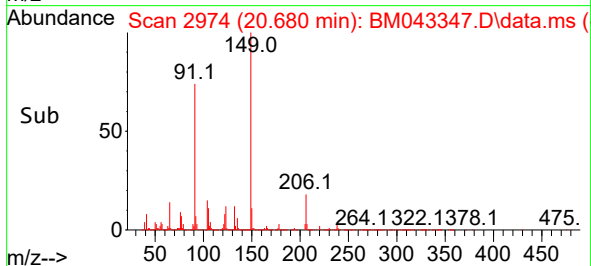
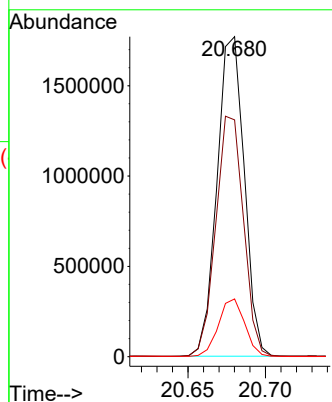
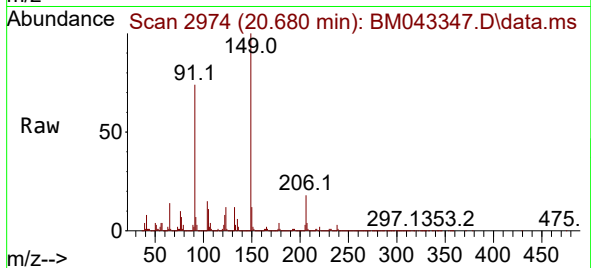
Tgt Ion:149 Resp: 2166161

Ion Ratio Lower Upper

149 100

91 74.0 56.9 85.3

206 18.1 16.1 24.1



#84

3,3'-Dichlorobenzidine

Concen: 42.705 ng/ul

RT: 21.451 min Scan# 3105

Delta R.T. -0.006 min

Lab File: BM043347.D

Acq: 14 Dec 2023 21:55

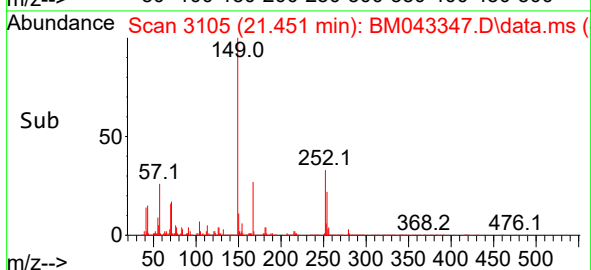
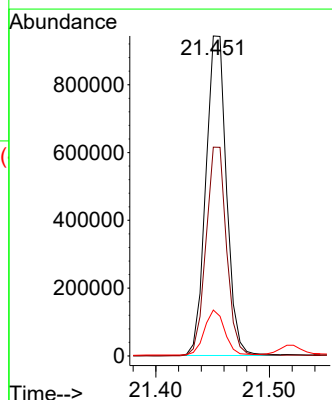
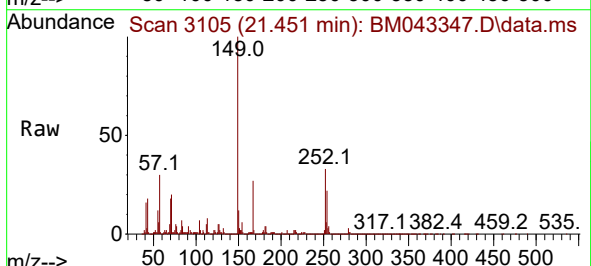
Tgt Ion:252 Resp: 1190733

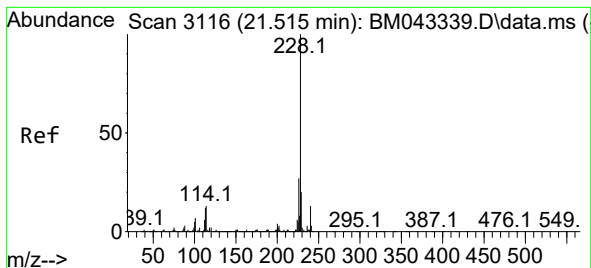
Ion Ratio Lower Upper

252 100

254 65.3 51.3 76.9

126 14.3 8.8 13.2#





#85

Benzo(a)anthracene

Concen: 98.765 ng/ul

RT: 21.521 min Scan# 3116

Delta R.T. 0.000 min

Lab File: BM043347.D

Acq: 14 Dec 2023 21:55

Instrument :

BNA_P

ClientSampleId :

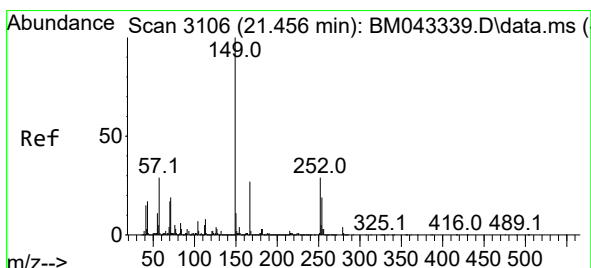
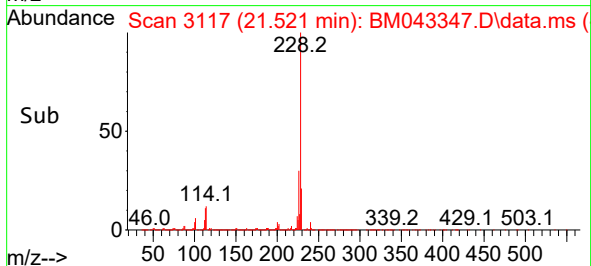
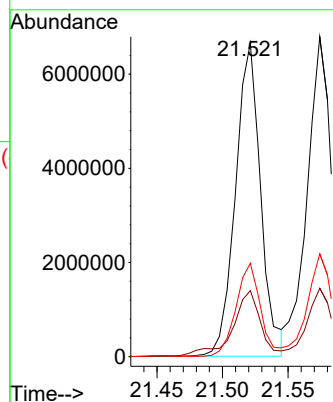
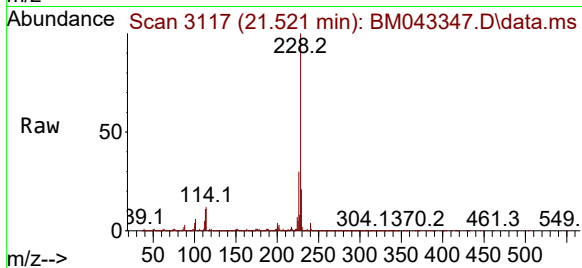
Tgt Ion:228 Resp: 8884112

Ion Ratio Lower Upper

228 100

229 21.1 15.8 23.8

226 29.8 22.2 33.4



#86

Bis(2-ethylhexyl)phthalate

Concen: 58.708 ng/ul

RT: 21.451 min Scan# 3105

Delta R.T. -0.006 min

Lab File: BM043347.D

Acq: 14 Dec 2023 21:55

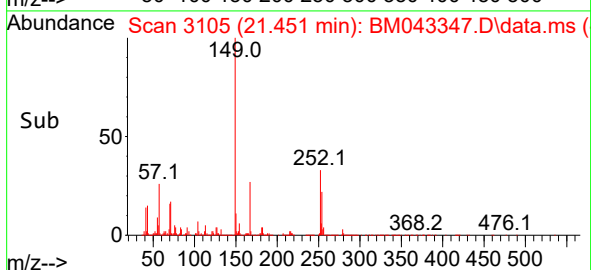
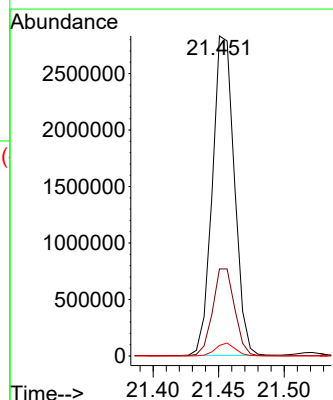
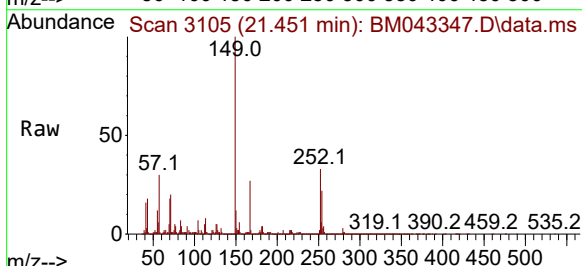
Tgt Ion:149 Resp: 3302112

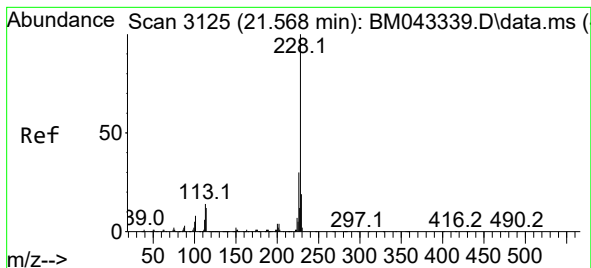
Ion Ratio Lower Upper

149 100

167 27.2 22.6 34.0

279 3.3 3.7 5.5#





#87

Chrysene

Concen: 108.866 ng/ul

RT: 21.574 min Scan# 3125

Delta R.T. 0.000 min

Lab File: BM043347.D

Acq: 14 Dec 2023 21:55

Instrument :

BNA_P

ClientSampleId :

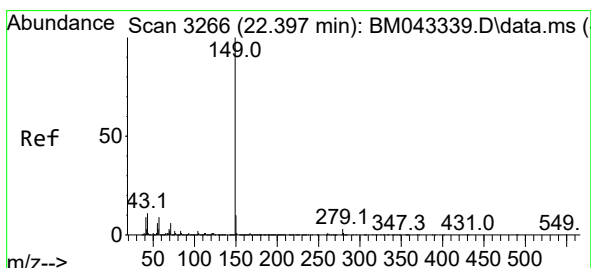
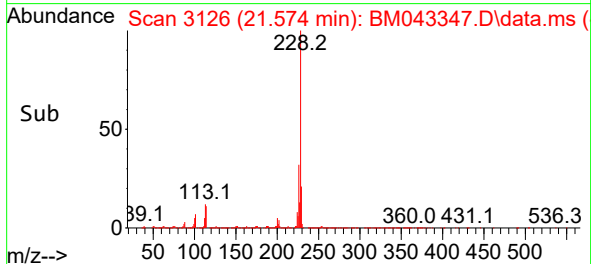
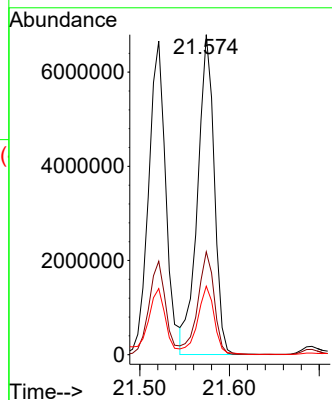
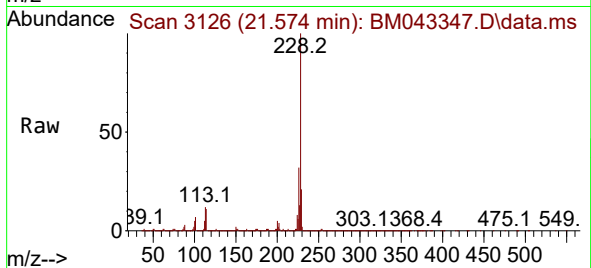
Tgt Ion:228 Resp: 8746364

Ion Ratio Lower Upper

228 100

226 32.1 24.8 37.2

229 21.4 16.2 24.2



#89

Di-n-octyl phthalate

Concen: 65.217 ng/ul

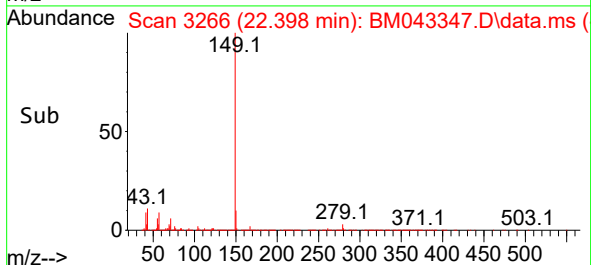
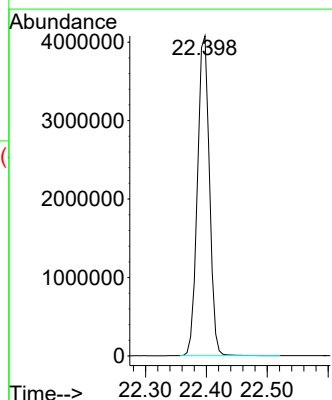
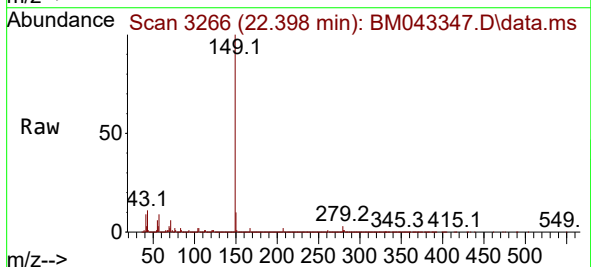
RT: 22.398 min Scan# 3266

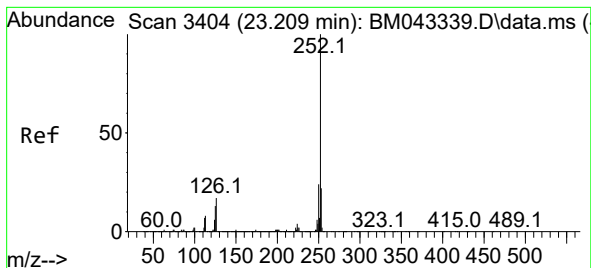
Delta R.T. -0.006 min

Lab File: BM043347.D

Acq: 14 Dec 2023 21:55

Tgt Ion:149 Resp: 5573418





#90

Benzo(b)fluoranthene

Concen: 79.876 ng/ul

RT: 23.215 min Scan# 34

Delta R.T. 0.000 min

Lab File: BM043347.D

Acq: 14 Dec 2023 21:55

Instrument :

BNA_P

ClientSampleId :

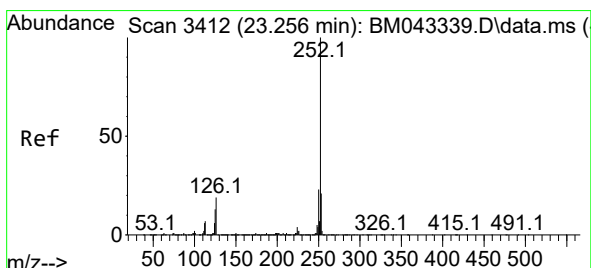
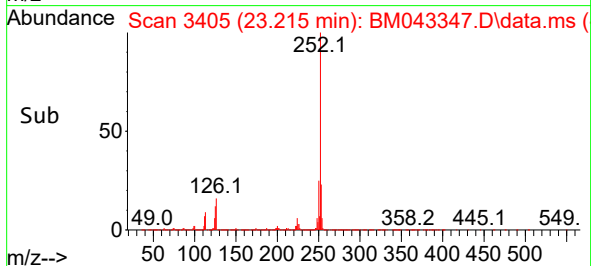
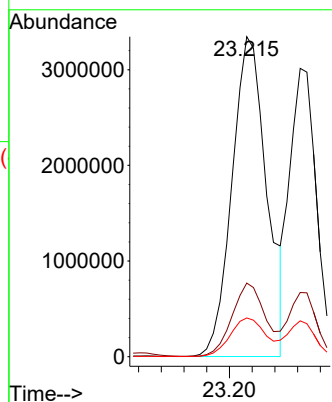
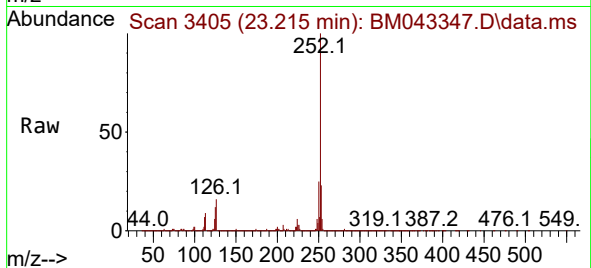
Tgt Ion:252 Resp: 7080714

Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.2

125 12.1 7.2 10.8#



#91

Benzo(k)fluoranthene

Concen: 55.207 ng/ul

RT: 23.262 min Scan# 3413

Delta R.T. -0.006 min

Lab File: BM043347.D

Acq: 14 Dec 2023 21:55

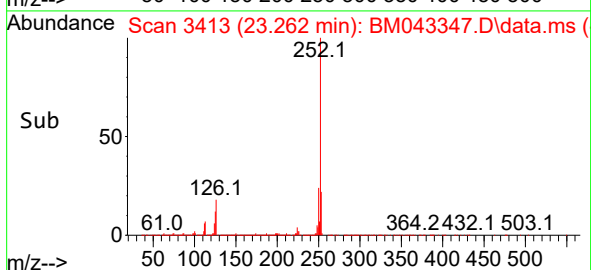
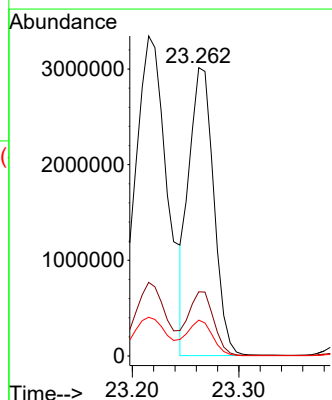
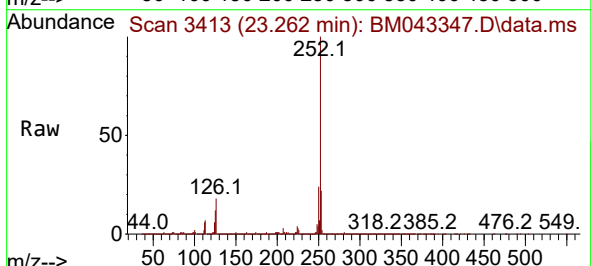
Tgt Ion:252 Resp: 4874161

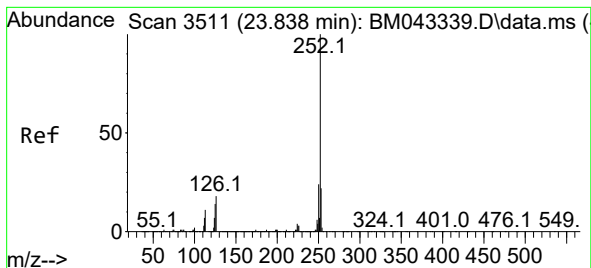
Ion Ratio Lower Upper

252 100

253 22.3 17.9 26.9

125 12.4 7.7 11.5#





#93

Benzo(a)pyrene

Concen: 64.366 ng/ul

RT: 23.850 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM043347.D

Acq: 14 Dec 2023 21:55

Instrument :

BNA_P

ClientSampleId :

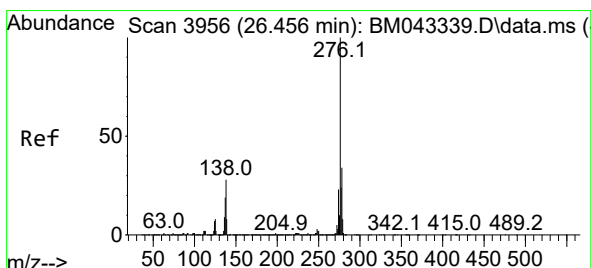
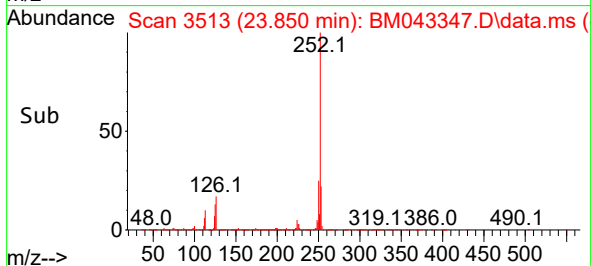
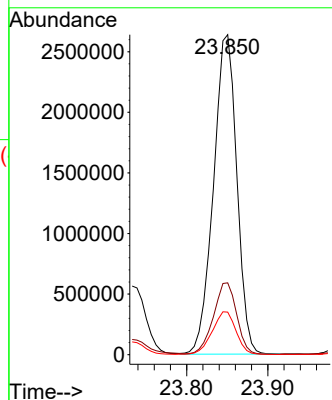
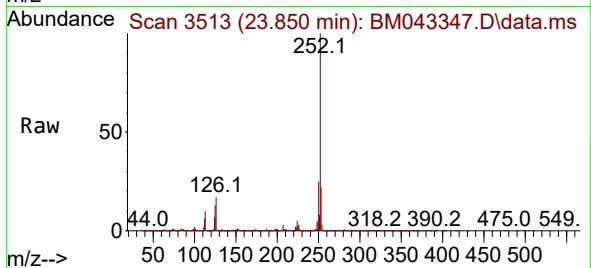
Tgt Ion:252 Resp: 5274004

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.6

125 13.3 8.4 12.6#



#94

Indeno(1,2,3-cd)pyrene

Concen: 57.598 ng/ul

RT: 26.474 min Scan# 3959

Delta R.T. 0.000 min

Lab File: BM043347.D

Acq: 14 Dec 2023 21:55

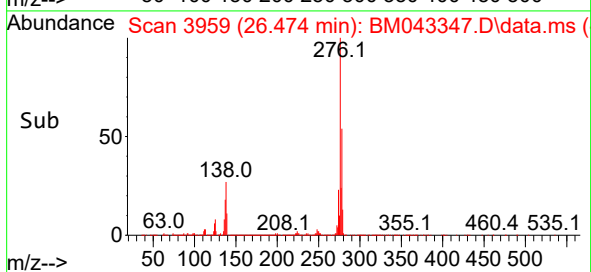
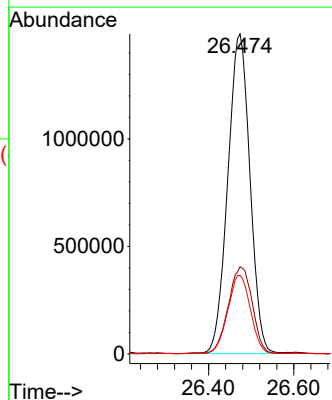
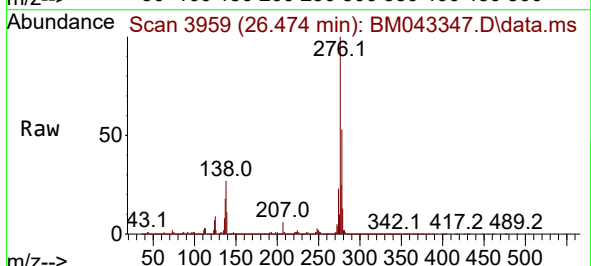
Tgt Ion:276 Resp: 5375728

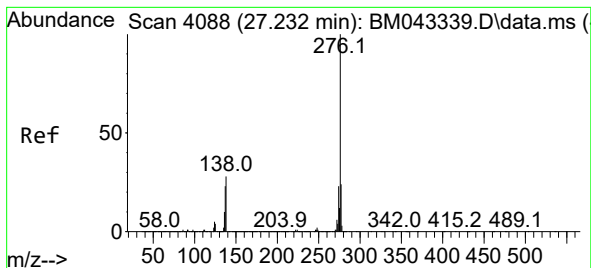
Ion Ratio Lower Upper

276 100

138 27.3 16.9 25.3#

277 24.5 19.5 29.3





#96

Benzo(g,h,i)perylene

Concen: 59.646 ng/ul

RT: 27.244 min Scan# 40

Delta R.T. 0.000 min

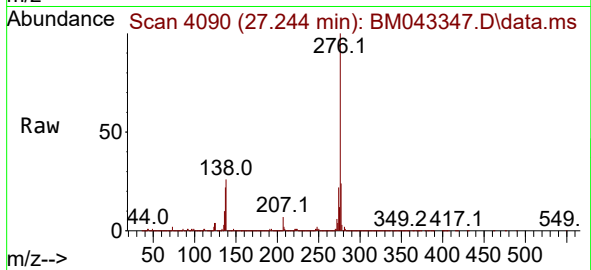
Lab File: BM043347.D

Acq: 14 Dec 2023 21:55

Instrument :

BNA_P

ClientSampleId :



Tgt Ion:276 Resp: 4194193

Ion Ratio Lower Upper

276 100

138 25.6 16.2 24.2#

277 24.2 18.7 28.1

