

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101424\
 Data File : BM048070.D
 Acq On : 15 Oct 2024 21:05
 Operator : RC/JU
 Sample : P4350-14MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 15 23:03:38 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM092724.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 10 05:10:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	271691	20.000	ng/ul	0.00
20) Naphthalene-d8	10.575	136	1121286	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.416	164	693941	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.162	188	1369592	20.000	ng/ul	0.00
79) Chrysene-d12	21.386	240	1218750	20.000	ng/ul	0.00
88) Perylene-d12	24.380	264	1411183	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.240	96	31174	3.708	ng/uL	0.00
4) Pyridine-d5	3.652	84	458566	18.628	ng/ul	0.00
7) Phenol-d5	6.957	99	634362	24.692	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.181	67	1569	0.086	ng/ul	0.06
11) 2-Chlorophenol-d4	7.316	132	531894	28.456	ng/ul	0.00
15) 4-Methylphenol-d8	8.492	113	521150	27.284	ng/ul	0.00
21) Nitrobenzene-d5	8.939	128	265570	29.747	ng/ul	0.00
24) 2-Nitrophenol-d4	9.657	143	306640	35.842	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.198	165	545537	31.920	ng/ul	0.00
31) 4-Chloroaniline-d4	10.710	131	698335	26.430	ng/ul	0.00
46) Dimethylphthalate-d6	13.827	166	1486911	29.554	ng/ul	0.00
49) Acenaphthylene-d8	14.110	160	1728087	28.970	ng/ul	0.00
54) 4-Nitrophenol-d4	14.633	143	216645	21.628	ng/ul	0.01
60) Fluorene-d10	15.410	176	1254501	28.787	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.539	200	200881	25.064	ng/ul	0.00
73) Anthracene-d10	17.257	188	1882488	27.953	ng/ul	0.00
81) Pyrene-d10	19.551	212	2179139	31.504	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.180	264	2245549	30.669	ng/ul	0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.275	88	91184	9.930	ng/uL#	84
5) Pyridine	3.669	79	654453	25.253	ng/ul	86
6) Benzaldehyde	6.922	77	401936	28.768	ng/ul	87
8) Phenol	6.987	94	914782	33.464	ng/ul#	88
10) Bis(2-Chloroethyl)ether	7.204	93	673003	30.897	ng/ul	89
12) 2-Chlorophenol	7.351	128	717874	36.253	ng/ul#	90
13) 2-Methylphenol	8.228	108	651290	34.168	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.298	45	981402	23.934	ng/ul#	94
16) Acetophenone	8.604	105	1056891	32.337	ng/ul#	86
17) N-Nitroso-di-n-propyla...	8.592	70	506015	29.231	ng/ul#	85
18) 4-Methylphenol	8.557	108	724213	33.809	ng/ul	99
19) Hexachloroethane	8.857	117	294915	33.134	ng/ul	84
22) Nitrobenzene	8.981	77	768688	30.310	ng/ul#	87
23) Isophorone	9.510	82	1505880	33.193	ng/ul#	93
25) 2-Nitrophenol	9.686	139	421610	43.076	ng/ul#	82
26) 2,4-Dimethylphenol	9.757	107	610361	29.104	ng/ul	91
27) Bis(2-Chloroethoxy)met...	9.986	93	917823	33.077	ng/ul	98
29) 2,4-Dichlorophenol	10.228	162	693201	39.280	ng/ul	98
30) Naphthalene	10.622	128	2261533	35.064	ng/ul	99
32) 4-Chloroaniline	10.733	127	708702	27.240	ng/ul	100
33) Hexachlorobutadiene	10.910	225	431528	37.009	ng/ul	97
34) Caprolactam	11.522	113	229446	40.653	ng/ul#	69
35) 4-Chloro-3-methylphenol	11.869	107	702820	38.473	ng/ul	93
36) 2-Methylnaphthalene	12.239	142	1521104	37.118	ng/ul	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101424\
 Data File : BM048070.D
 Acq On : 15 Oct 2024 21:05
 Operator : RC/JU
 Sample : P4350-14MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 15 23:03:38 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM092724.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 10 05:10:14 2024
 Response via : Initial Calibration

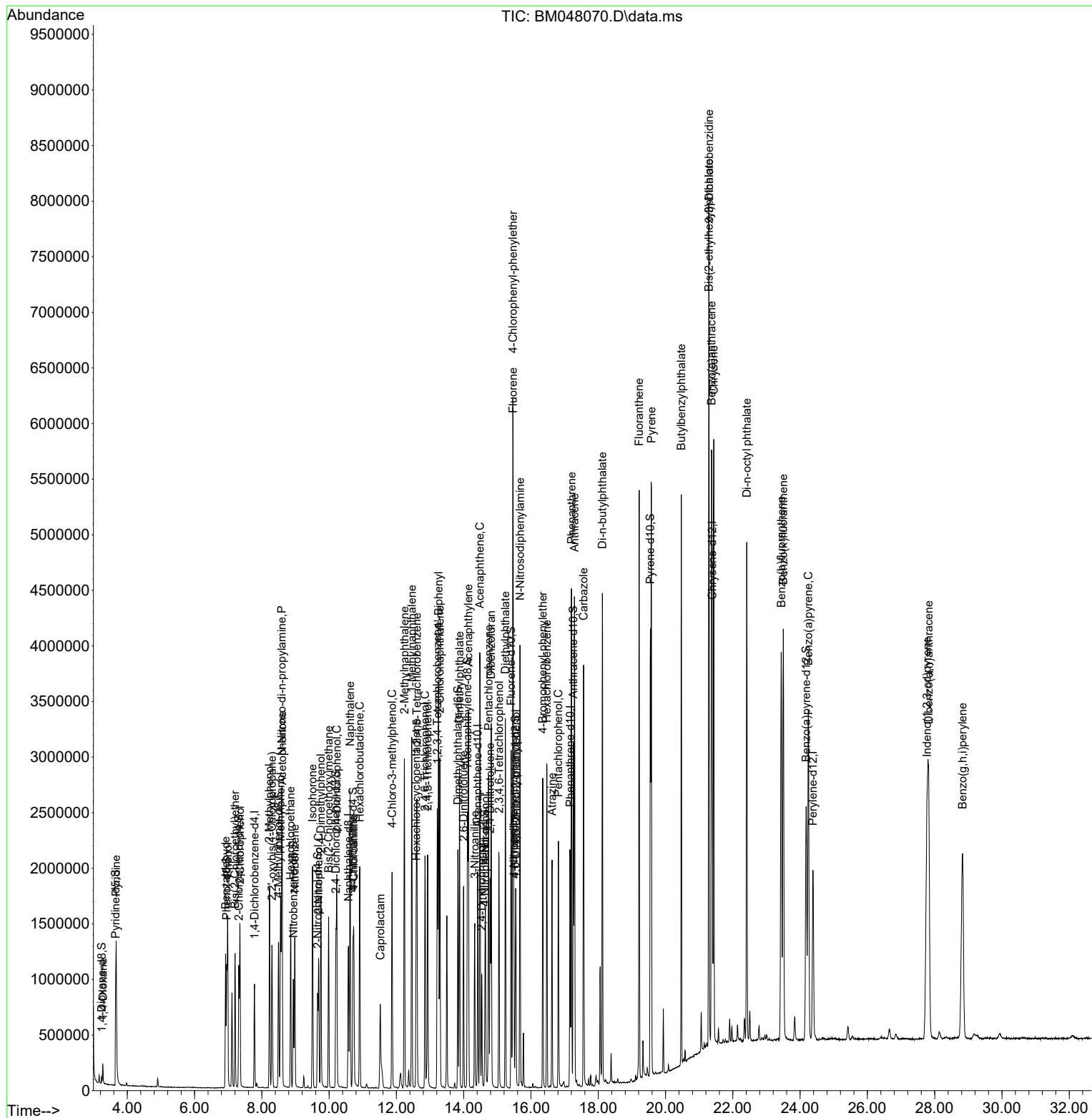
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.457	142	1526153	36.604	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.610	216	813216	35.999	ng/ul#	96
40) Hexachlorocyclopentadiene	12.586	237	388891	28.463	ng/ul	99
41) 2,4,6-Trichlorophenol	12.851	196	535519	40.973	ng/ul	99
42) 2,4,5-Trichlorophenol	12.927	196	574564	40.200	ng/ul	96
43) 1,1'-Biphenyl	13.251	154	1964108	35.351	ng/ul#	97
44) 2-Chloronaphthalene	13.292	162	1544715	35.948	ng/ul	96
47) Dimethylphthalate	13.874	163	1892082	37.134	ng/ul	98
48) 2,6-Dinitrotoluene	13.998	165	401797	44.902	ng/ul#	77
50) Acenaphthylene	14.139	152	2434699	36.191	ng/ul	99
51) 3-Nitroaniline	14.327	138	427045	39.431	ng/ul	81
52) Acenaphthene	14.480	153	1629190	34.259	ng/ul	97
53) 2,4-Dinitrophenol	14.539	184	241258	43.633	ng/ul#	68
55) 4-Nitrophenol	14.645	109	251229	29.872	ng/ul	84
56) Dibenzofuran	14.816	168	2261703	35.332	ng/ul	97
57) 2,4-Dinitrotoluene	14.786	165	569162	42.349	ng/ul#	75
58) 2,3,4,6-Tetrachlorophenol	15.051	232	449826	39.927	ng/ul#	93
59) Diethylphthalate	15.239	149	1894268	37.157	ng/ul	98
61) Fluorene	15.468	166	1757327	32.906	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.463	204	875933	34.711	ng/ul	94
63) 4-Nitroaniline	15.492	138	443383	42.154	ng/ul	87
66) 4,6-Dinitro-2-methylph...	15.551	198	350924	39.515	ng/ul#	83
67) N-Nitrosodiphenylamine	15.674	169	1522181	35.666	ng/ul	98
68) 4-Bromophenyl-phenylether	16.351	248	549819	38.946	ng/ul	97
69) Hexachlorobenzene	16.474	284	642002	39.077	ng/ul	91
70) Atrazine	16.627	200	367857	25.893	ng/ul	99
71) Pentachlorophenol	16.815	266	387271	37.071	ng/ul	100
72) Phenanthrene	17.204	178	2780416	34.618	ng/ul	99
74) Anthracene	17.292	178	2784231	33.988	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.216	216	788040	34.751	ng/uL	99
76) Pentachlorobenzene	14.739	250	761915	34.422	ng/uL	98
77) Carbazole	17.562	167	2620530	35.292	ng/ul	98
78) Di-n-butylphthalate	18.121	149	3384289	40.939	ng/ul#	98
80) Fluoranthene	19.215	202	3202025	39.305	ng/ul	99
82) Pyrene	19.580	202	3408324	37.590	ng/ul	95
83) Butylbenzylphthalate	20.468	149	1536699	47.939	ng/ul#	84
84) 3,3'-Dichlorobenzidine	21.292	252	1008695	39.169	ng/ul	98
85) Benzo(a)anthracene	21.368	228	3283632	38.480	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.286	149	2177777	45.251	ng/ul	97
87) Chrysene	21.433	228	3067189	36.870	ng/ul	99
89) Di-n-octyl phthalate	22.415	149	3973196	43.651	ng/ul	100
90) Benzo(b)fluoranthene	23.438	252	3333580	37.879	ng/ul	98
91) Benzo(k)fluoranthene	23.497	252	3294765	36.614	ng/ul	99
93) Benzo(a)pyrene	24.244	252	3020146	36.135	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	27.768	276	3966450	37.032	ng/ul	98
95) Dibenzo(a,h)anthracene	27.821	278	3213300	36.607	ng/ul	98
96) Benzo(g,h,i)perylene	28.826	276	3089843	36.819	ng/ul	97

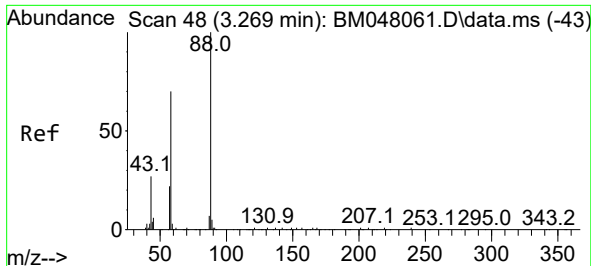
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101424\
Data File : BM048070.D
Acq On : 15 Oct 2024 21:05
Operator : RC/JU
Sample : P4350-14MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: Oct 15 23:03:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM092724.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 10 05:10:14 2024
Response via : Initial Calibration

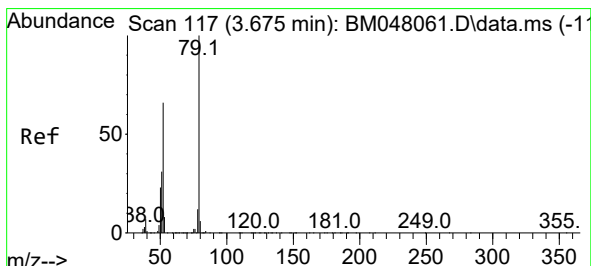
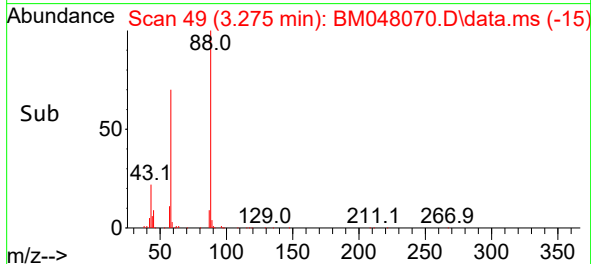
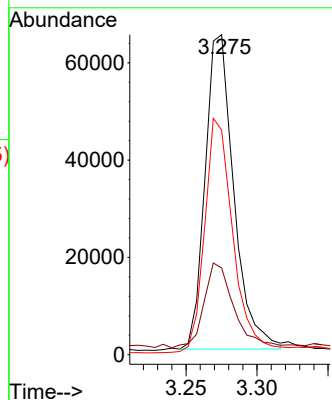
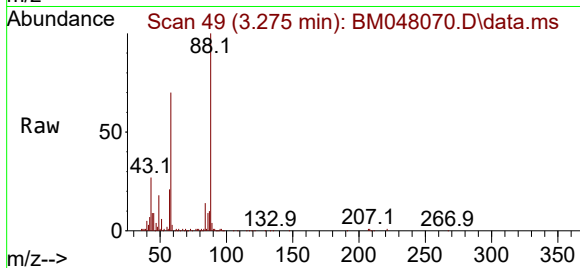




#2
1,4-Dioxane
Concen: 9.930 ng/uL
RT: 3.275 min Scan# 49
Delta R.T. 0.000 min
Lab File: BM048070.D
Acq: 15 Oct 2024 21:05

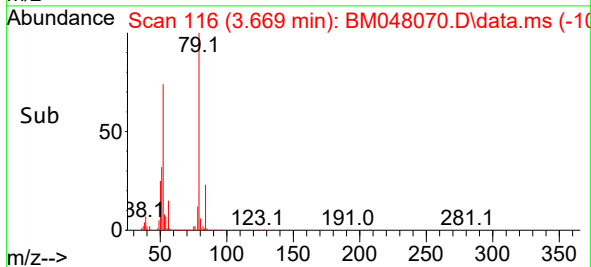
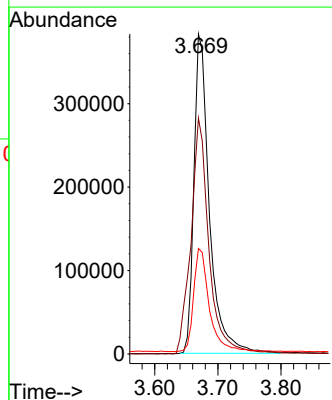
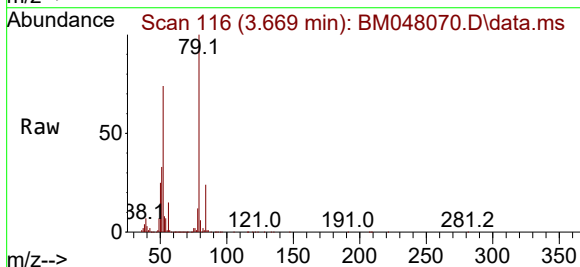
Instrument :
BNA_M
ClientSampleId :

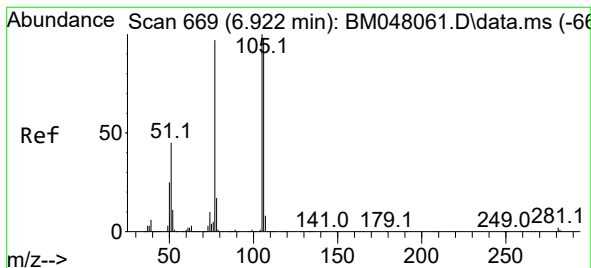
Tgt Ion: 88 Resp: 91184
Ion Ratio Lower Upper
88 100
43 27.1 29.1 43.7#
58 70.2 67.7 101.5



#5
Pyridine
Concen: 25.253 ng/uL
RT: 3.669 min Scan# 116
Delta R.T. -0.006 min
Lab File: BM048070.D
Acq: 15 Oct 2024 21:05

Tgt Ion: 79 Resp: 654453
Ion Ratio Lower Upper
79 100
52 73.7 69.4 104.2
51 32.9 32.6 49.0

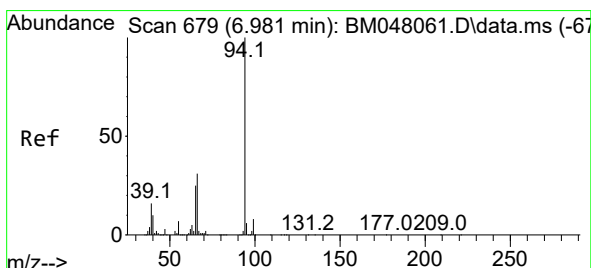
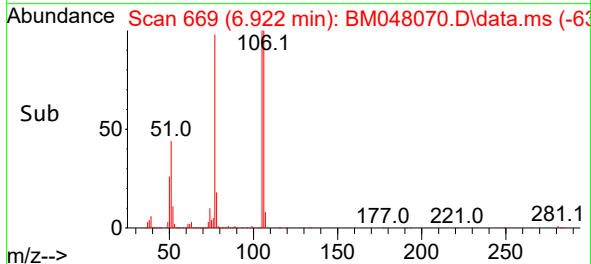
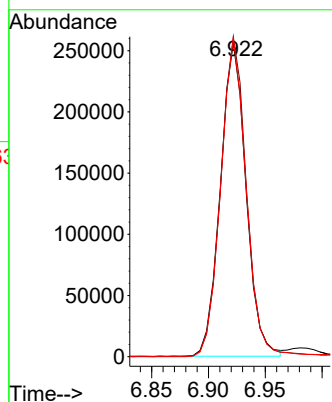
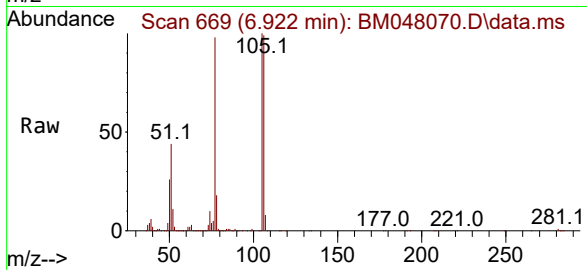




#6
Benzaldehyde
Concen: 28.768 ng/ul
RT: 6.922 min Scan# 60
Delta R.T. -0.006 min
Lab File: BM048070.D
Acq: 15 Oct 2024 21:05

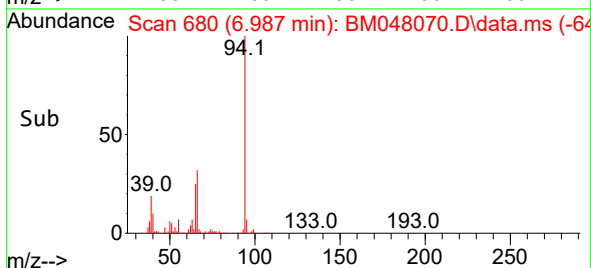
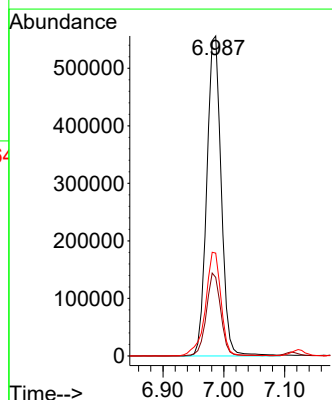
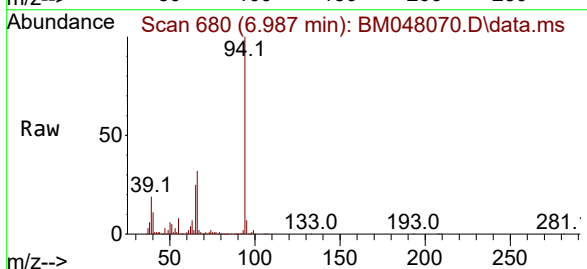
Instrument :
BNA_M
ClientSampleId :

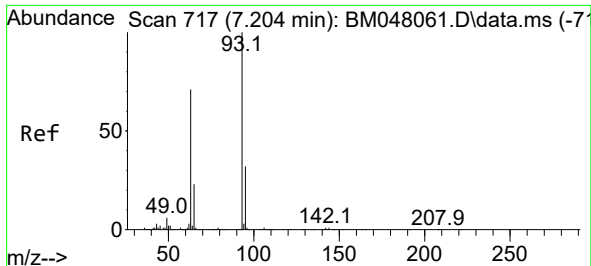
Tgt Ion: 77 Resp: 401936
Ion Ratio Lower Upper
77 100
105 102.1 72.2 108.2
106 101.5 70.7 106.1



#8
Phenol
Concen: 33.464 ng/ul
RT: 6.987 min Scan# 680
Delta R.T. 0.000 min
Lab File: BM048070.D
Acq: 15 Oct 2024 21:05

Tgt Ion: 94 Resp: 914782
Ion Ratio Lower Upper
94 100
65 24.6 26.3 39.5#
66 32.2 30.5 45.7

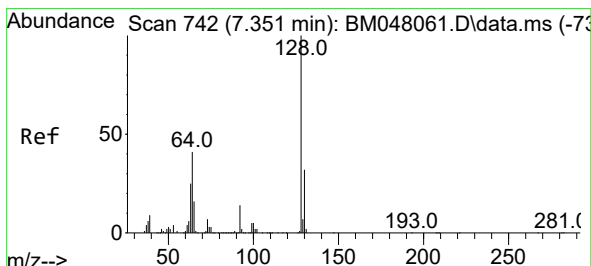
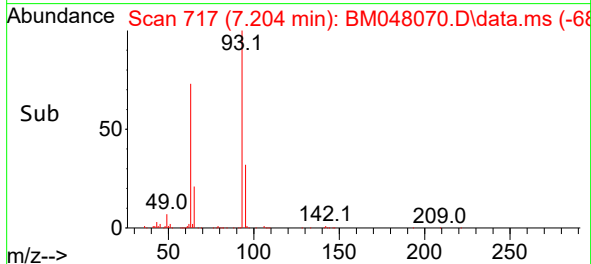
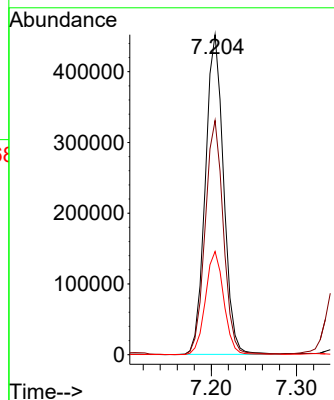
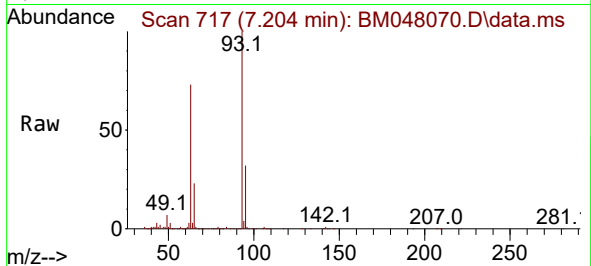




#10
 Bis(2-Chloroethyl)ether
 Concen: 30.897 ng/ul
 RT: 7.204 min Scan# 717
 Delta R.T. -0.006 min
 Lab File: BM048070.D
 Acq: 15 Oct 2024 21:05

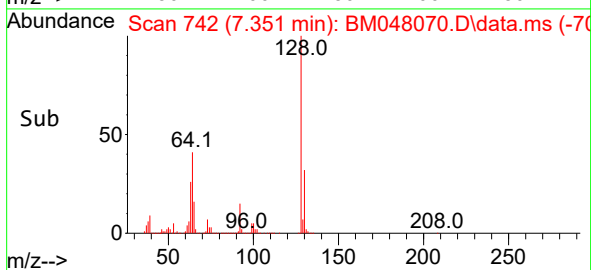
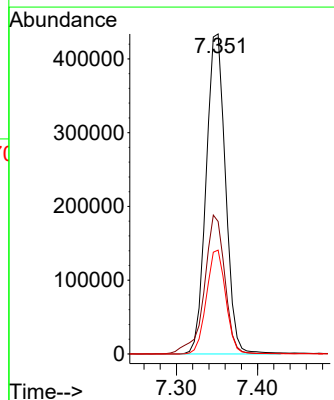
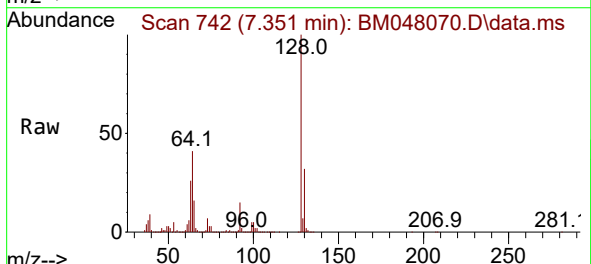
Instrument :
 BNA_M
 ClientSampleId :

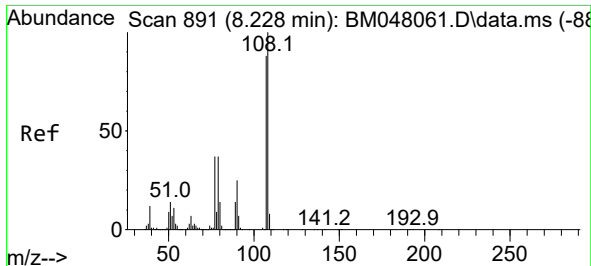
Tgt Ion: 93 Resp: 673003
 Ion Ratio Lower Upper
 93 100
 63 73.2 69.4 104.2
 95 32.2 25.0 37.6



#12
 2-Chlorophenol
 Concen: 36.253 ng/ul
 RT: 7.351 min Scan# 742
 Delta R.T. -0.006 min
 Lab File: BM048070.D
 Acq: 15 Oct 2024 21:05

Tgt Ion:128 Resp: 717874
 Ion Ratio Lower Upper
 128 100
 64 41.4 42.7 64.1#
 130 32.5 26.0 39.0





#13

2-Methylphenol

Concen: 34.168 ng/ul

RT: 8.228 min Scan# 891

Delta R.T. -0.006 min

Lab File: BM048070.D

Acq: 15 Oct 2024 21:05

Instrument :

BNA_M

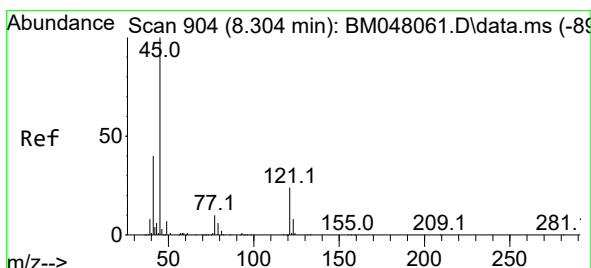
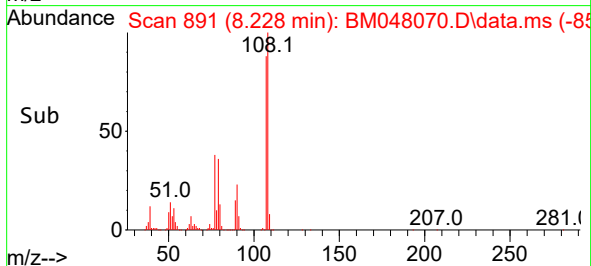
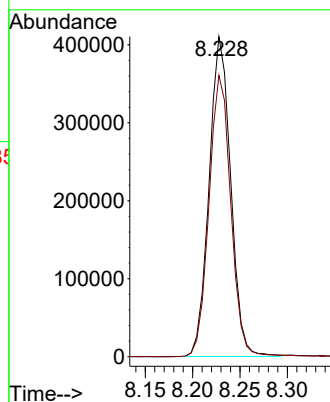
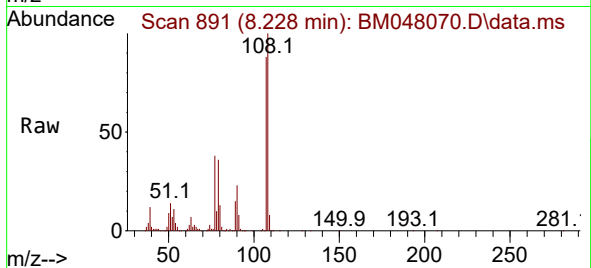
ClientSampleId :

Tgt Ion:108 Resp: 651290

Ion Ratio Lower Upper

108 100

107 87.9 69.3 103.9



#14

2,2'-oxybis(1-Chloropropane)

Concen: 23.934 ng/ul

RT: 8.298 min Scan# 903

Delta R.T. -0.012 min

Lab File: BM048070.D

Acq: 15 Oct 2024 21:05

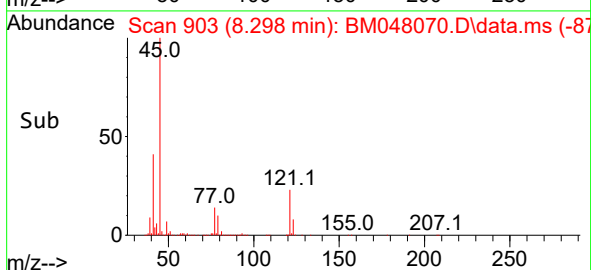
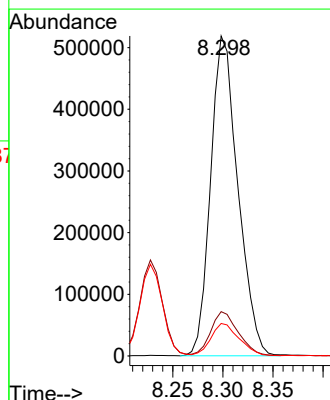
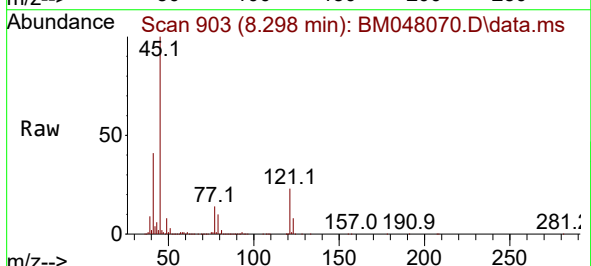
Tgt Ion: 45 Resp: 981402

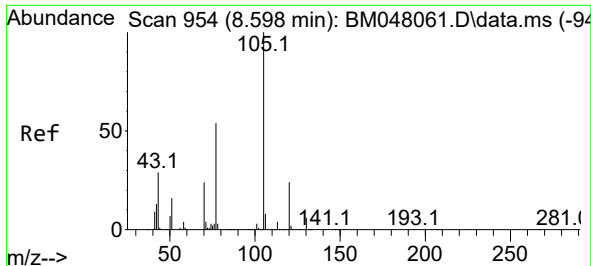
Ion Ratio Lower Upper

45 100

77 13.9 9.0 13.6#

79 10.2 6.5 9.7#

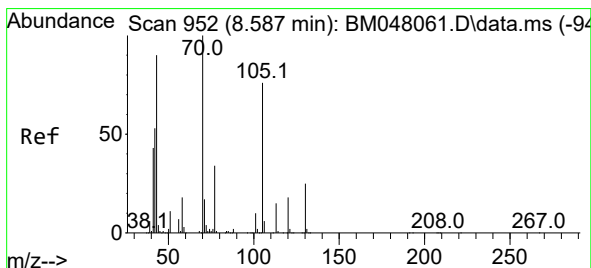
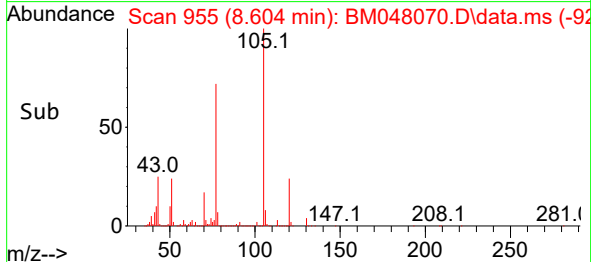
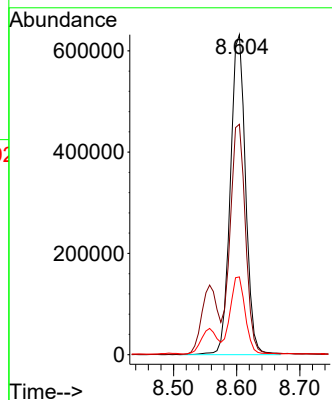
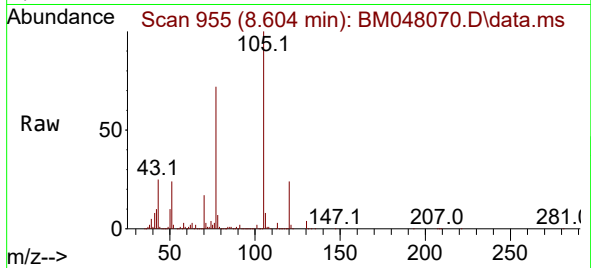




#16
Acetophenone
Concen: 32.337 ng/ul
RT: 8.604 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM048070.D
Acq: 15 Oct 2024 21:05

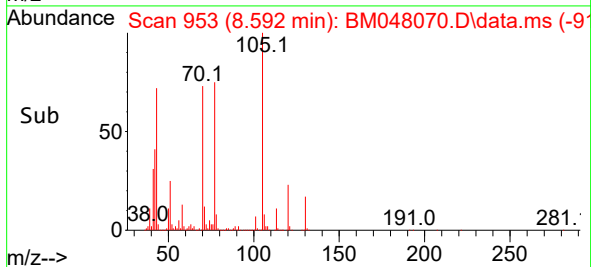
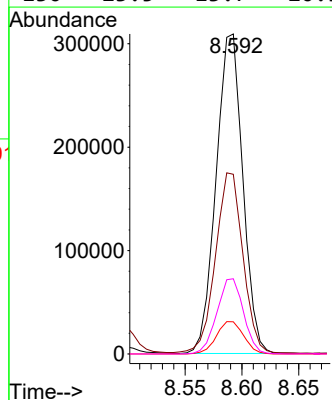
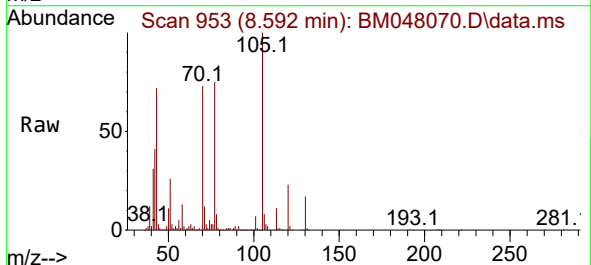
Instrument :
BNA_M
ClientSampleId :

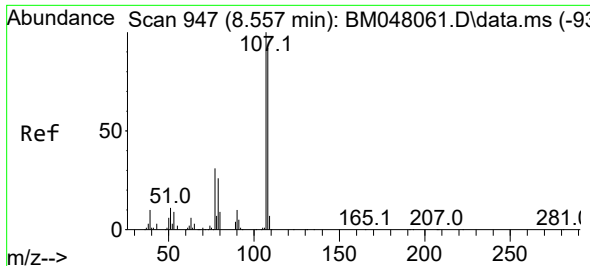
Tgt Ion:105 Resp: 1056891
Ion Ratio Lower Upper
105 100
77 72.0 66.6 100.0
51 24.3 27.0 40.4#



#17
N-Nitroso-di-n-propylamine
Concen: 29.231 ng/ul
RT: 8.592 min Scan# 953
Delta R.T. 0.000 min
Lab File: BM048070.D
Acq: 15 Oct 2024 21:05

Tgt Ion: 70 Resp: 506015
Ion Ratio Lower Upper
70 100
42 56.2 55.3 82.9
101 10.0 6.8 10.2
130 23.5 13.7 20.5#

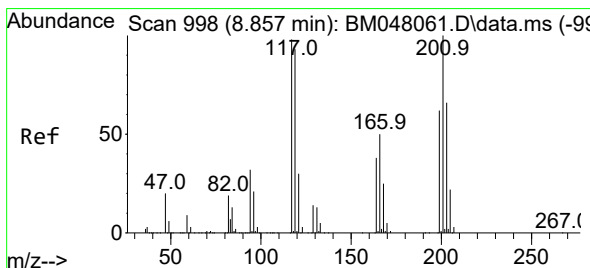
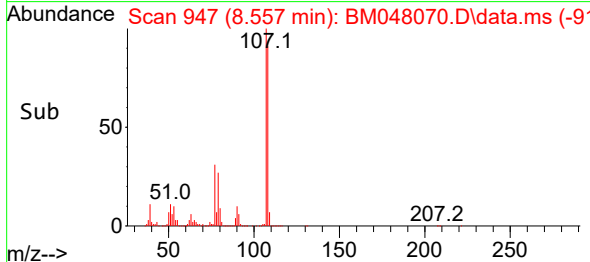
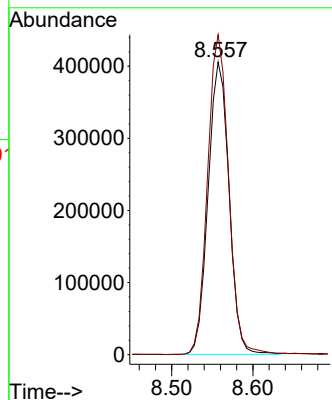
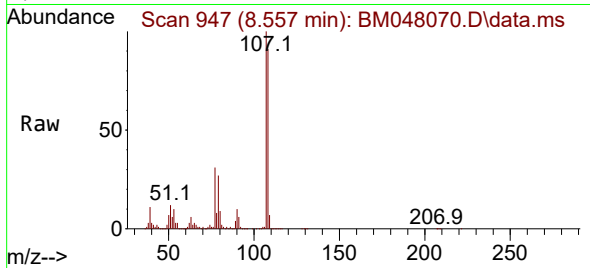




#18
4-Methylphenol
Concen: 33.809 ng/ul
RT: 8.557 min Scan# 947
Delta R.T. 0.000 min
Lab File: BM048070.D
Acq: 15 Oct 2024 21:05

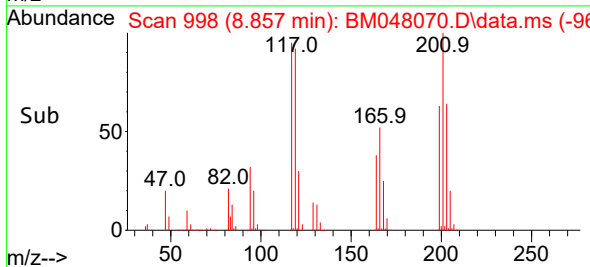
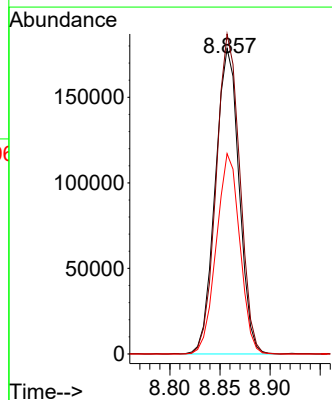
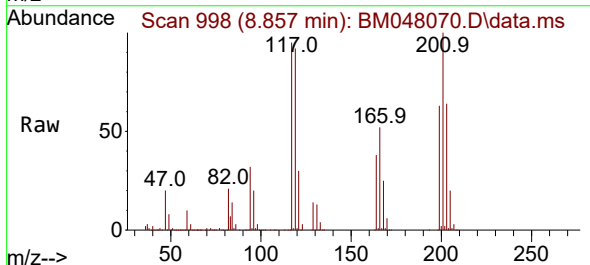
Instrument :
BNA_M
ClientSampleId :

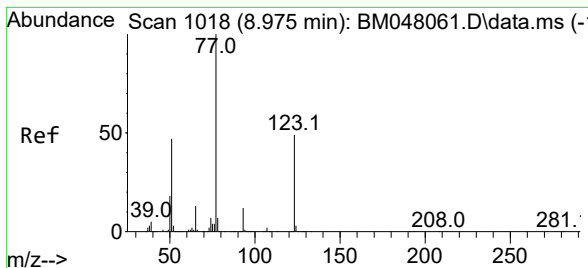
Tgt Ion:108 Resp: 724213
Ion Ratio Lower Upper
108 100
107 109.4 88.4 132.6



#19
Hexachloroethane
Concen: 33.134 ng/ul
RT: 8.857 min Scan# 998
Delta R.T. -0.012 min
Lab File: BM048070.D
Acq: 15 Oct 2024 21:05

Tgt Ion:117 Resp: 294915
Ion Ratio Lower Upper
117 100
201 104.7 71.0 106.6
199 65.5 44.2 66.4





#22

Nitrobenzene

Concen: 30.310 ng/ul

RT: 8.981 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BM048070.D

Acq: 15 Oct 2024 21:05

Instrument :

BNA_M

ClientSampleId :

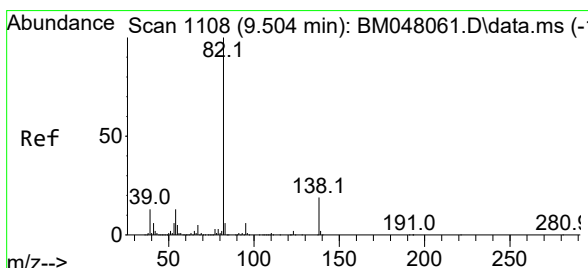
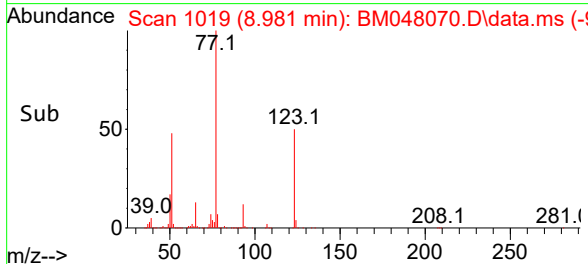
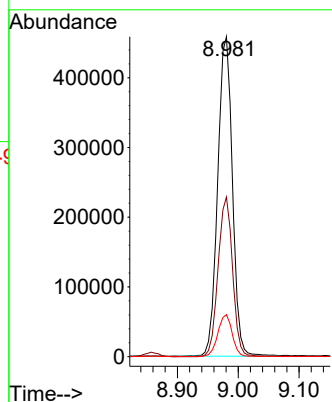
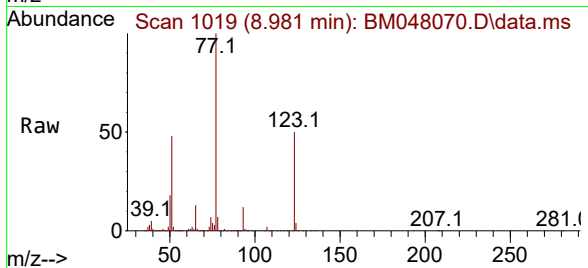
Tgt Ion: 77 Resp: 768688

Ion Ratio Lower Upper

77 100

123 49.9 31.7 47.5#

65 13.1 11.1 16.7



#23

Isophorone

Concen: 33.193 ng/ul

RT: 9.510 min Scan# 1109

Delta R.T. 0.000 min

Lab File: BM048070.D

Acq: 15 Oct 2024 21:05

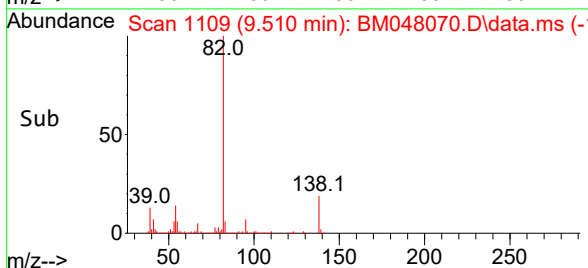
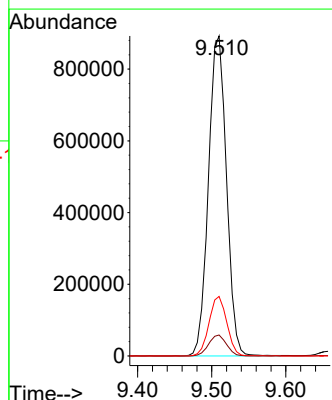
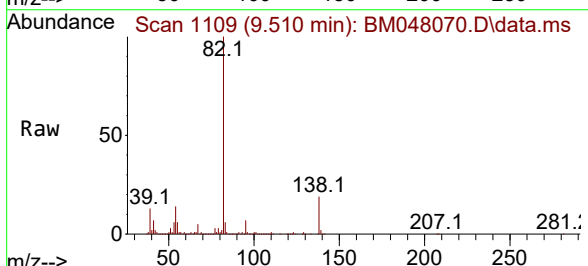
Tgt Ion: 82 Resp: 1505880

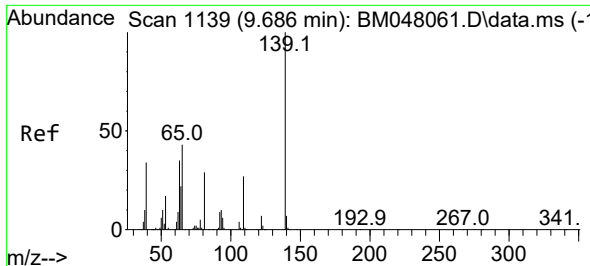
Ion Ratio Lower Upper

82 100

95 6.5 4.9 7.3

138 18.6 12.0 18.0#

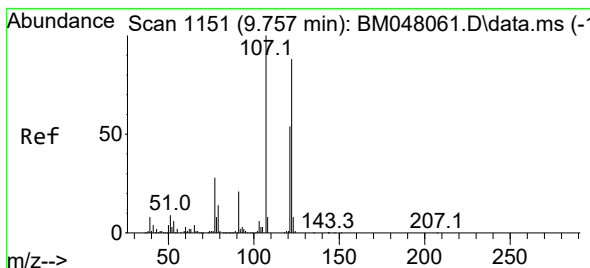
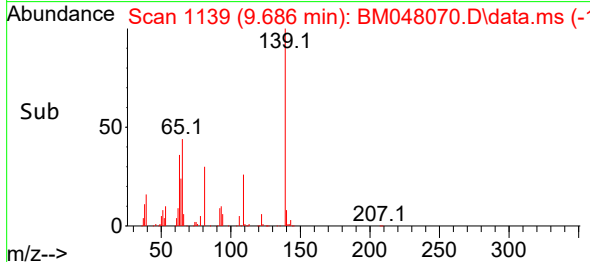
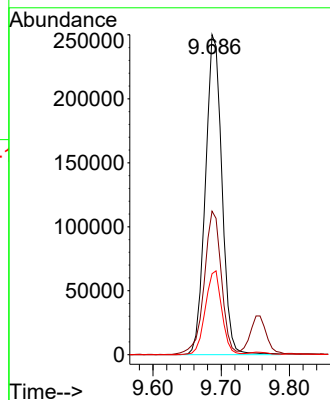
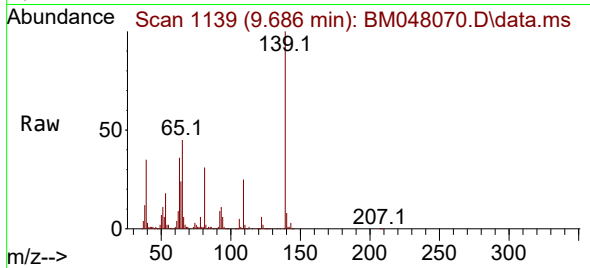




#25
2-Nitrophenol
Concen: 43.076 ng/ul
RT: 9.686 min Scan# 1139
Delta R.T. -0.006 min
Lab File: BM048070.D
Acq: 15 Oct 2024 21:05

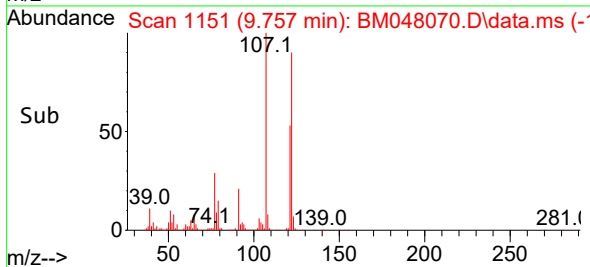
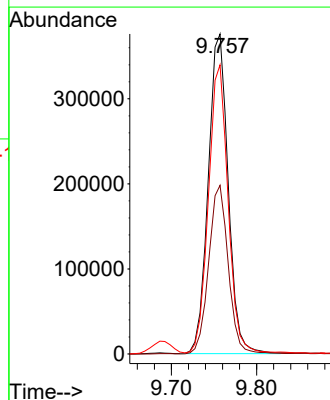
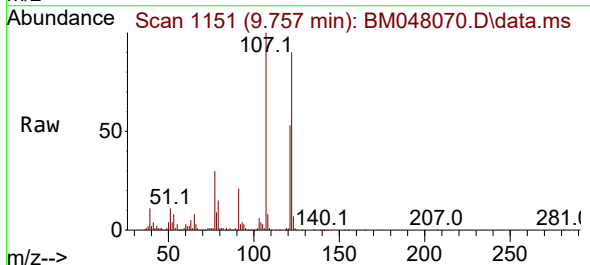
Instrument :
BNA_M
ClientSampleId :

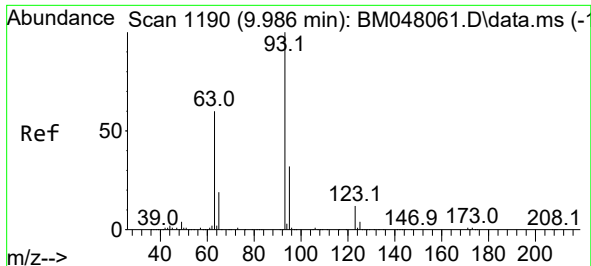
Tgt Ion:139 Resp: 421610
Ion Ratio Lower Upper
139 100
65 44.9 49.6 74.4#
109 25.3 23.4 35.2



#26
2,4-Dimethylphenol
Concen: 29.104 ng/ul
RT: 9.757 min Scan# 1151
Delta R.T. 0.000 min
Lab File: BM048070.D
Acq: 15 Oct 2024 21:05

Tgt Ion:107 Resp: 610361
Ion Ratio Lower Upper
107 100
121 52.7 37.8 56.8
122 90.4 65.4 98.0

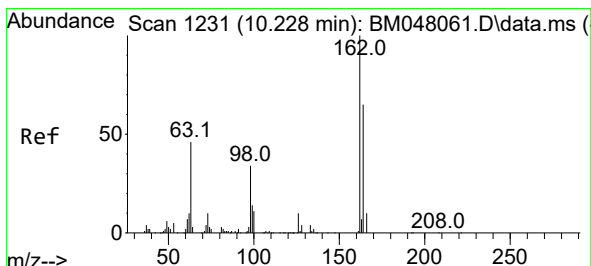
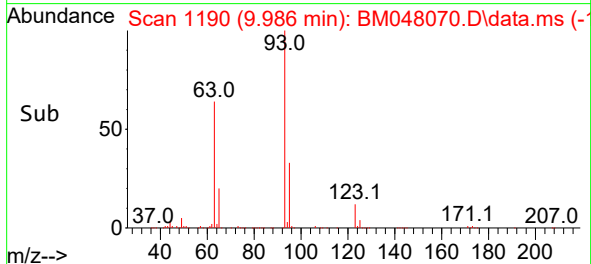
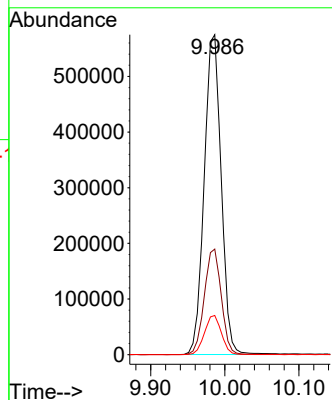
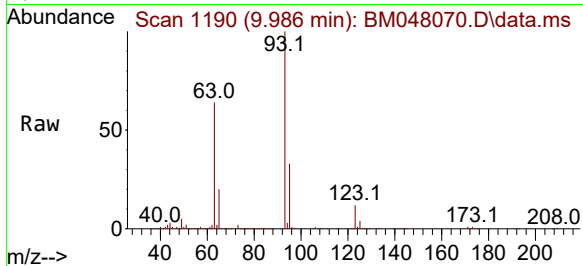




#27
 Bis(2-Chloroethoxy)methane
 Concen: 33.077 ng/ul
 RT: 9.986 min Scan# 1190
 Delta R.T. -0.006 min
 Lab File: BM048070.D
 Acq: 15 Oct 2024 21:05

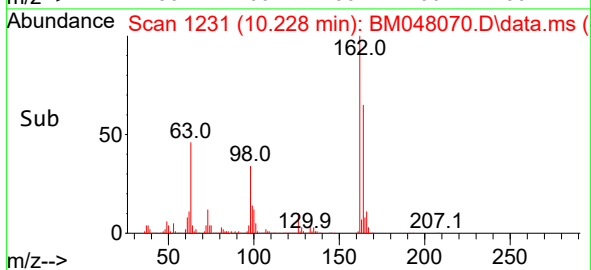
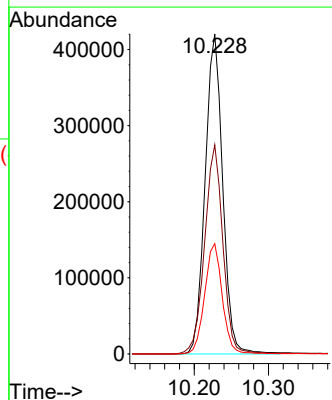
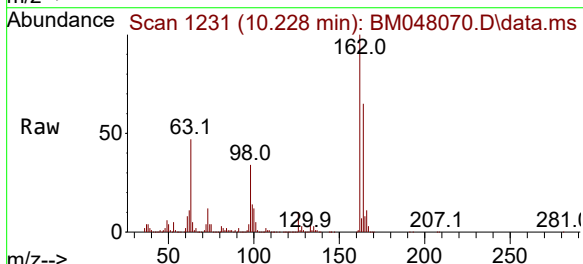
Instrument :
 BNA_M
 ClientSampleId :

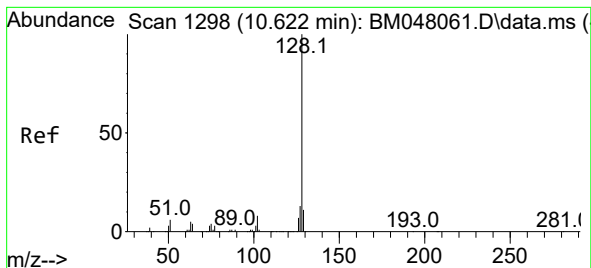
Tgt Ion: 93 Resp: 917823
 Ion Ratio Lower Upper
 93 100
 95 33.0 27.1 40.7
 123 12.3 8.2 12.4



#29
 2,4-Dichlorophenol
 Concen: 39.280 ng/ul
 RT: 10.228 min Scan# 1231
 Delta R.T. 0.000 min
 Lab File: BM048070.D
 Acq: 15 Oct 2024 21:05

Tgt Ion: 162 Resp: 693201
 Ion Ratio Lower Upper
 162 100
 164 65.3 52.2 78.2
 98 34.4 30.6 46.0

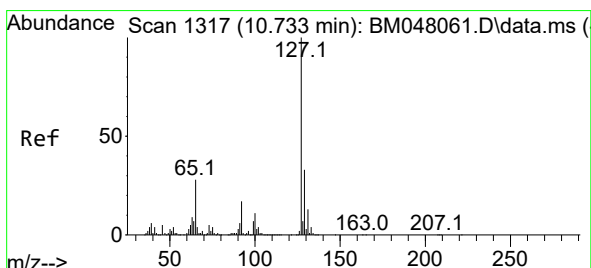
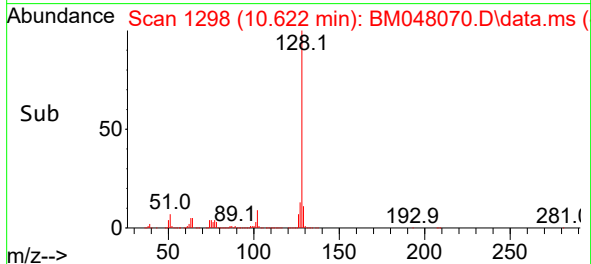
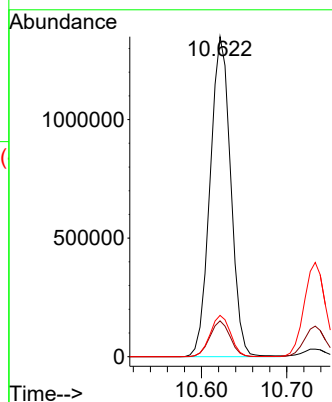
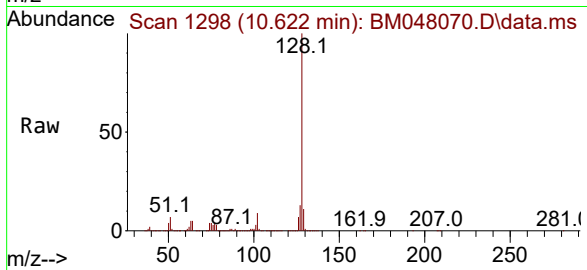




#30
Naphthalene
Concen: 35.064 ng/ul
RT: 10.622 min Scan# 1298
Delta R.T. -0.006 min
Lab File: BM048070.D
Acq: 15 Oct 2024 21:05

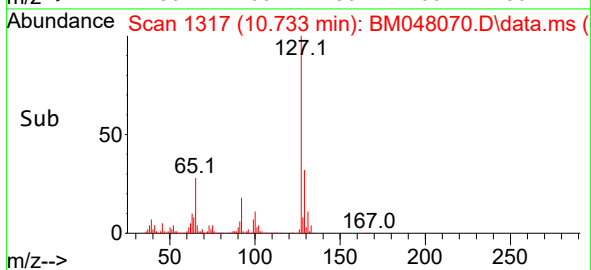
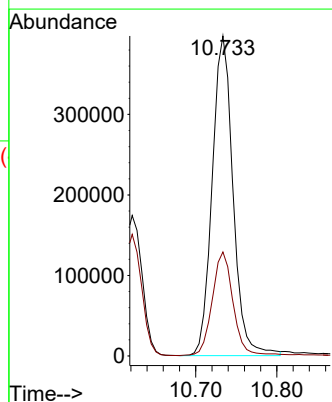
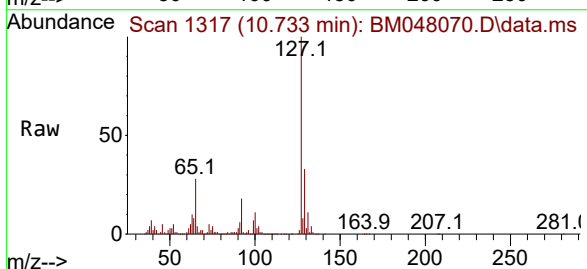
Instrument :
BNA_M
ClientSampleId :

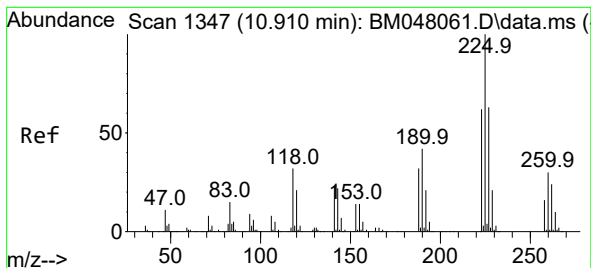
Tgt Ion:128 Resp: 2261533
Ion Ratio Lower Upper
128 100
129 11.2 8.6 12.8
127 12.9 10.4 15.6



#32
4-Chloroaniline
Concen: 27.240 ng/ul
RT: 10.733 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BM048070.D
Acq: 15 Oct 2024 21:05

Tgt Ion:127 Resp: 708702
Ion Ratio Lower Upper
127 100
129 32.5 25.9 38.9





#33

Hexachlorobutadiene

Concen: 37.009 ng/ul

RT: 10.910 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM048070.D

Acq: 15 Oct 2024 21:05

Instrument :

BNA_M

ClientSampleId :

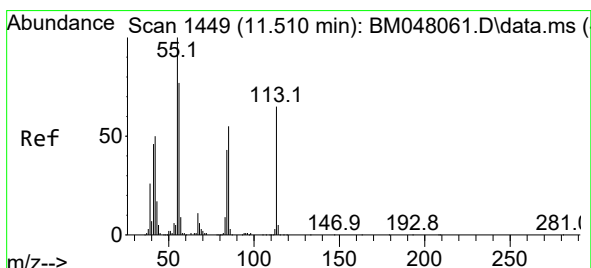
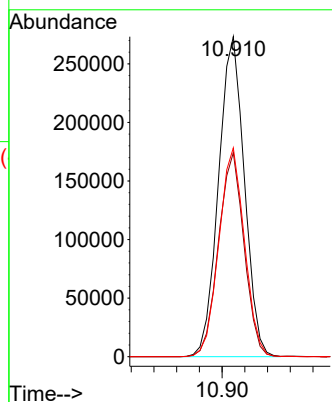
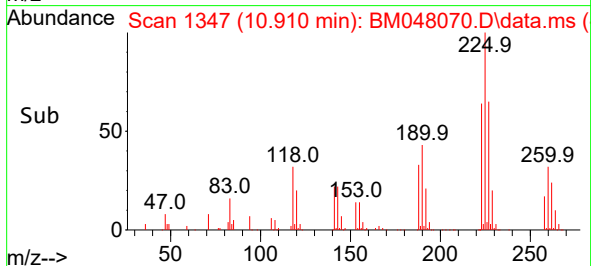
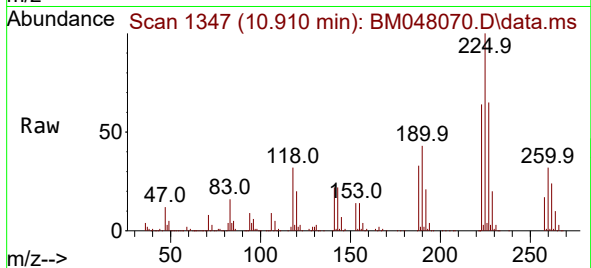
Tgt Ion:225 Resp: 431528

Ion Ratio Lower Upper

225 100

223 63.8 50.3 75.5

227 65.2 49.1 73.7



#34

Caprolactam

Concen: 40.653 ng/ul

RT: 11.522 min Scan# 1451

Delta R.T. 0.012 min

Lab File: BM048070.D

Acq: 15 Oct 2024 21:05

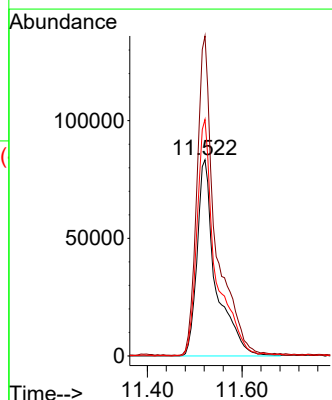
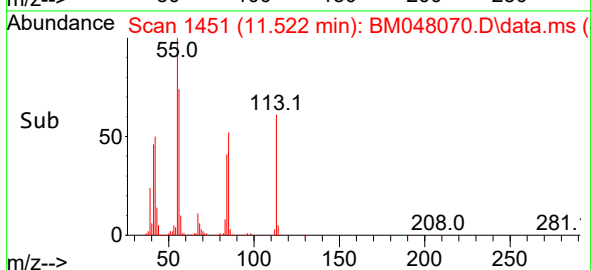
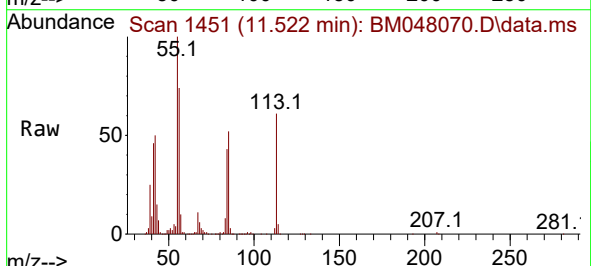
Tgt Ion:113 Resp: 229446

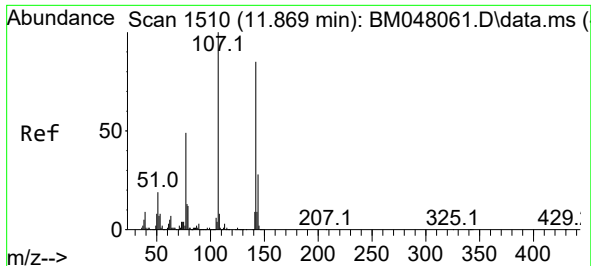
Ion Ratio Lower Upper

113 100

55 163.1 167.9 251.9#

56 120.6 131.3 196.9#

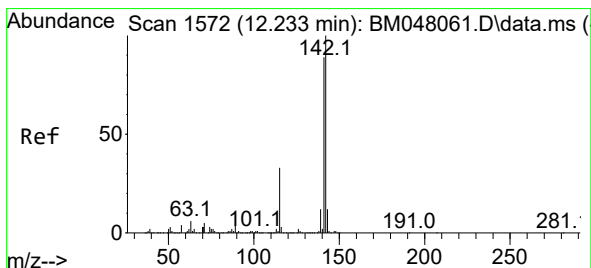
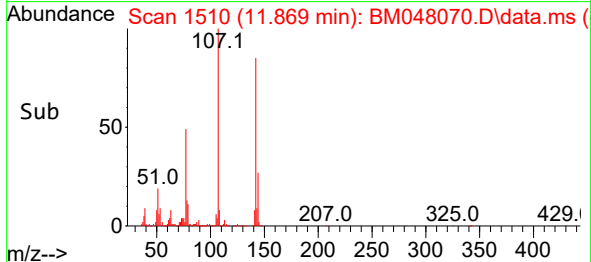
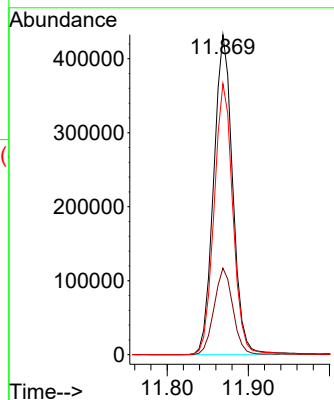
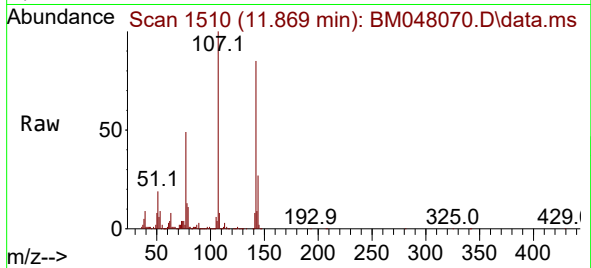




#35
4-Chloro-3-methylphenol
Concen: 38.473 ng/ul
RT: 11.869 min Scan# 1510
Delta R.T. 0.000 min
Lab File: BM048070.D
Acq: 15 Oct 2024 21:05

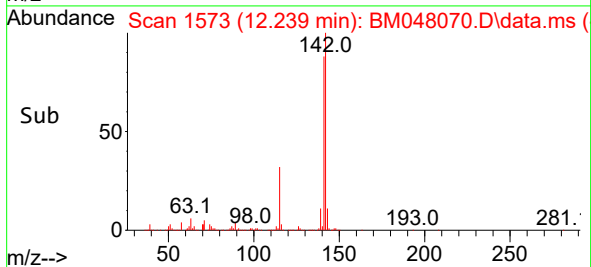
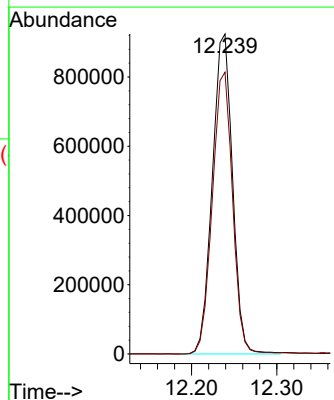
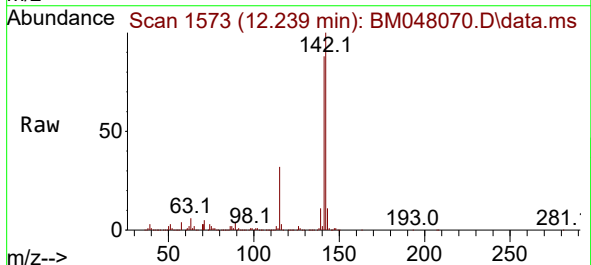
Instrument :
BNA_M
ClientSampleId :

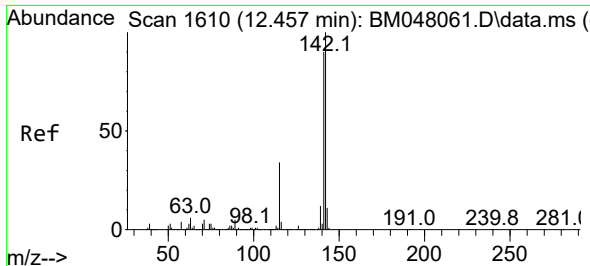
Tgt Ion:107 Resp: 702820
Ion Ratio Lower Upper
107 100
144 27.1 18.7 28.1
142 84.7 62.7 94.1



#36
2-Methylnaphthalene
Concen: 37.118 ng/ul
RT: 12.239 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BM048070.D
Acq: 15 Oct 2024 21:05

Tgt Ion:142 Resp: 1521104
Ion Ratio Lower Upper
142 100
141 88.1 72.5 108.7

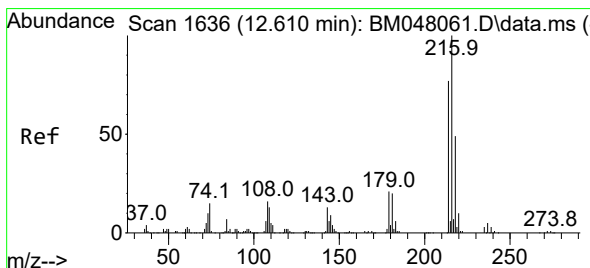
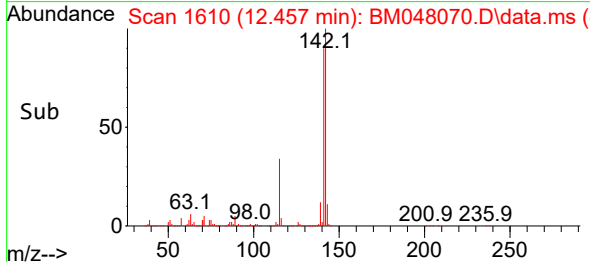
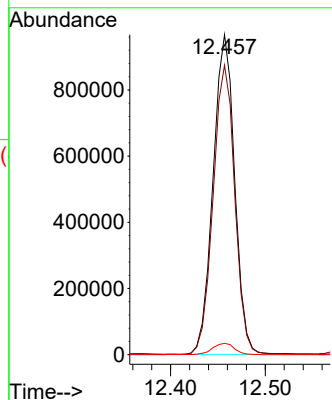
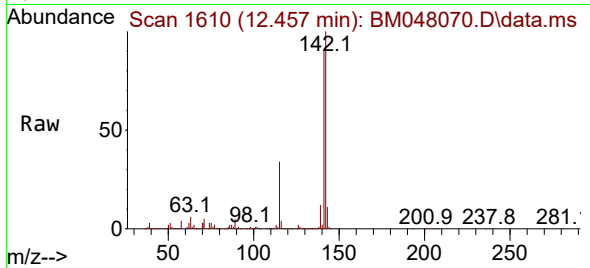




#37
 1-Methylnaphthalene
 Concen: 36.604 ng/ul
 RT: 12.457 min Scan# 1610
 Delta R.T. -0.006 min
 Lab File: BM048070.D
 Acq: 15 Oct 2024 21:05

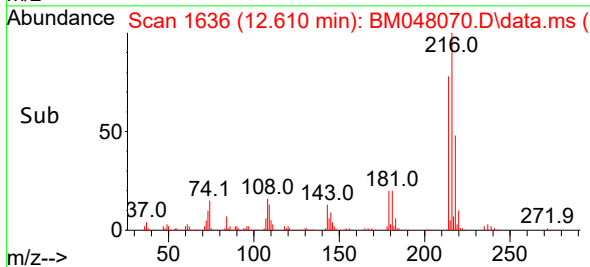
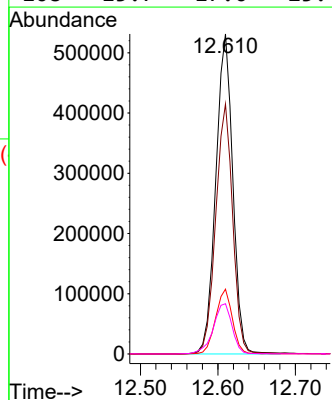
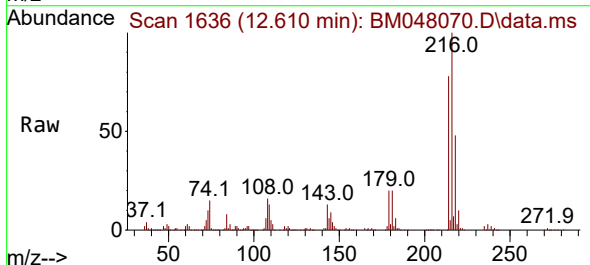
Instrument :
 BNA_M
 ClientSampleId :

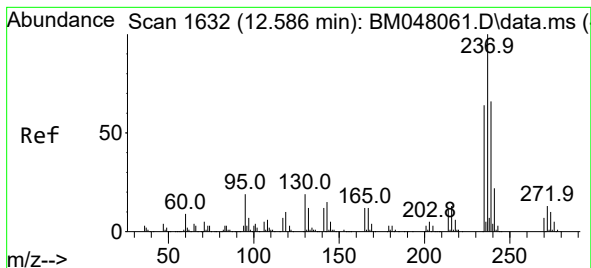
Tgt Ion:142 Resp: 1526153
 Ion Ratio Lower Upper
 142 100
 141 90.4 73.4 110.2
 116 3.6 3.0 4.6



#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 35.999 ng/ul
 RT: 12.610 min Scan# 1636
 Delta R.T. -0.006 min
 Lab File: BM048070.D
 Acq: 15 Oct 2024 21:05

Tgt Ion:216 Resp: 813216
 Ion Ratio Lower Upper
 216 100
 214 78.1 61.0 91.4
 179 20.3 17.7 26.5
 108 15.7 17.0 25.4#





#40

Hexachlorocyclopentadiene

Concen: 28.463 ng/ul

RT: 12.586 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM048070.D

Acq: 15 Oct 2024 21:05

Instrument :

BNA_M

ClientSampleId :

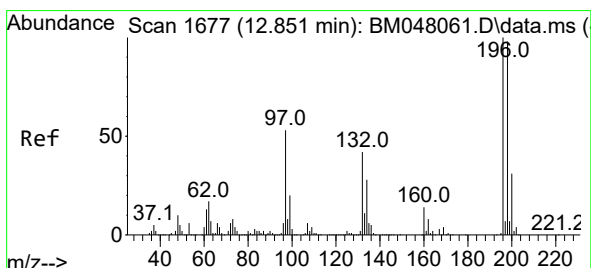
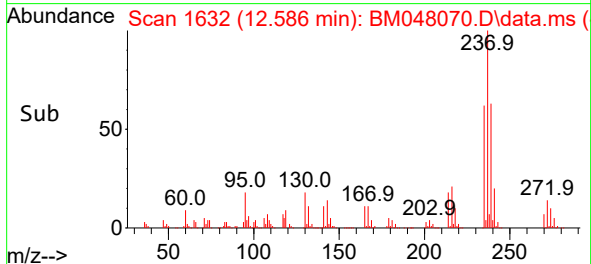
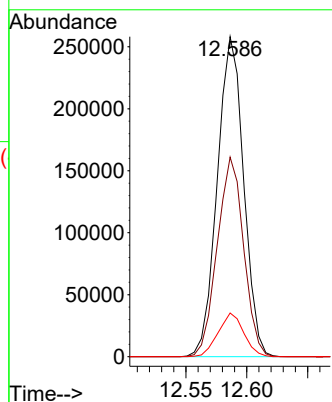
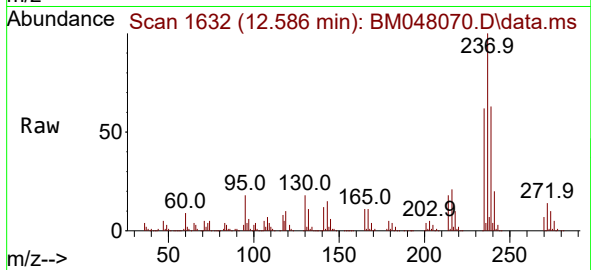
Tgt Ion:237 Resp: 388891

Ion Ratio Lower Upper

237 100

235 62.3 49.8 74.6

272 13.7 9.7 14.5



#41

2,4,6-Trichlorophenol

Concen: 40.973 ng/ul

RT: 12.851 min Scan# 1677

Delta R.T. -0.006 min

Lab File: BM048070.D

Acq: 15 Oct 2024 21:05

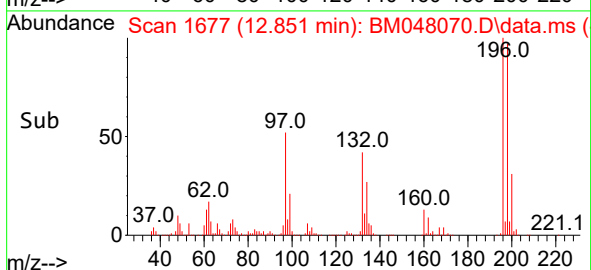
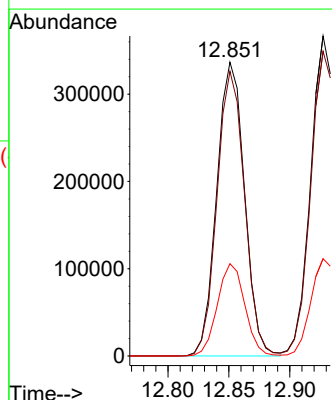
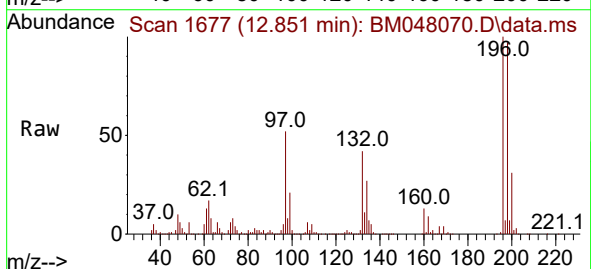
Tgt Ion:196 Resp: 535519

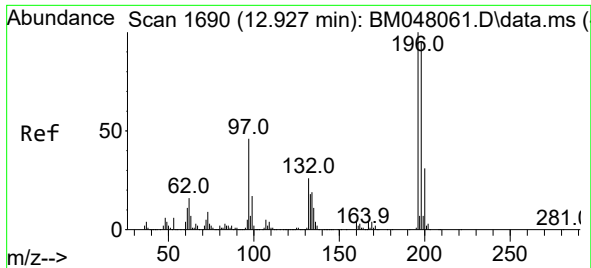
Ion Ratio Lower Upper

196 100

198 96.9 77.1 115.7

200 31.4 24.5 36.7

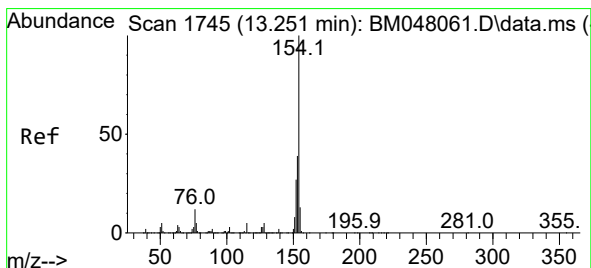
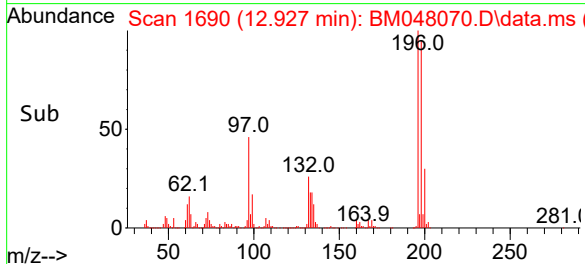
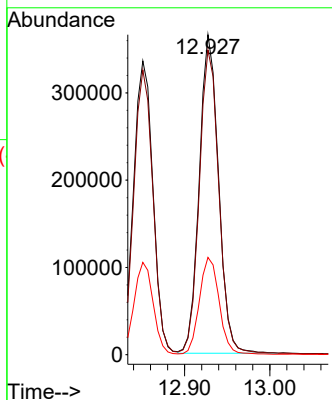
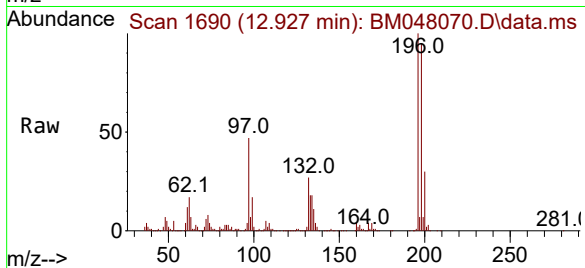




#42
 2,4,5-Trichlorophenol
 Concen: 40.200 ng/ul
 RT: 12.927 min Scan# 1690
 Delta R.T. 0.000 min
 Lab File: BM048070.D
 Acq: 15 Oct 2024 21:05

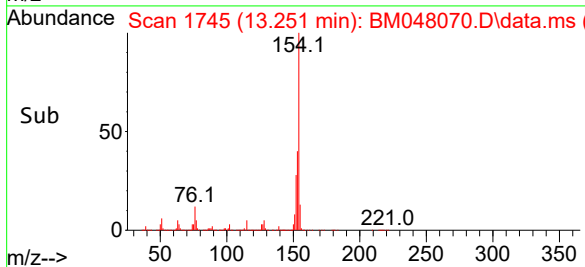
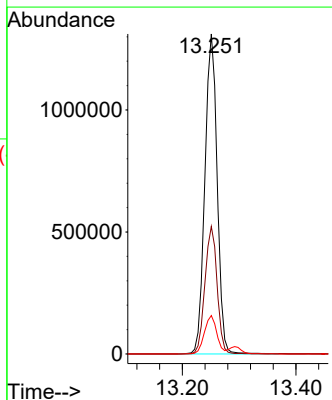
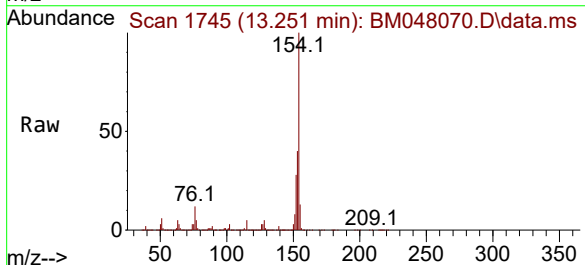
Instrument :
 BNA_M
 ClientSampleId :

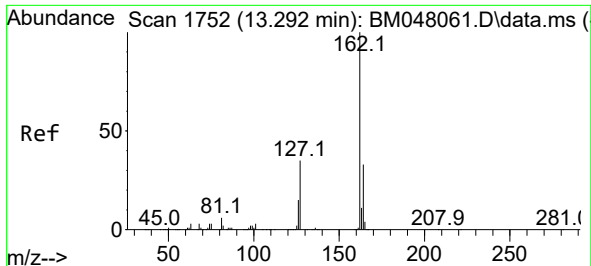
Tgt Ion:196 Resp: 574564
 Ion Ratio Lower Upper
 196 100
 198 95.2 79.5 119.3
 200 30.4 25.8 38.8



#43
 1,1'-Biphenyl
 Concen: 35.351 ng/ul
 RT: 13.251 min Scan# 1745
 Delta R.T. -0.006 min
 Lab File: BM048070.D
 Acq: 15 Oct 2024 21:05

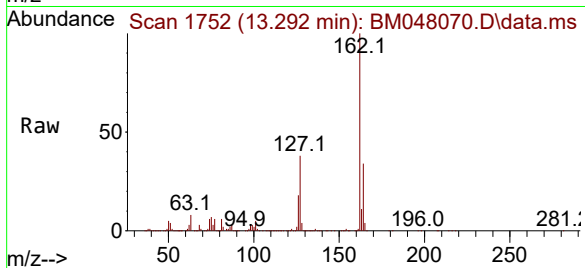
Tgt Ion:154 Resp: 1964108
 Ion Ratio Lower Upper
 154 100
 153 39.9 31.1 46.7
 76 12.0 12.1 18.1#



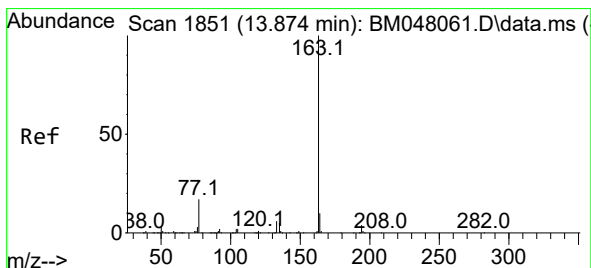
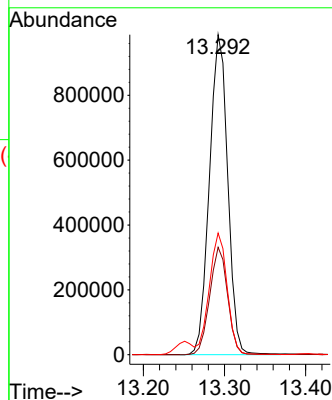
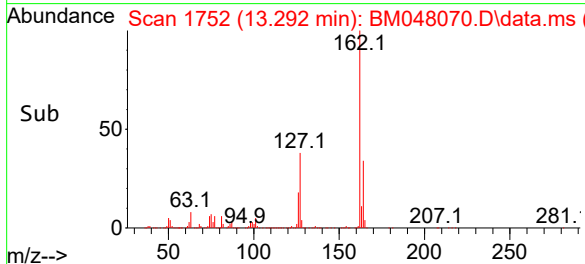


#44
2-Chloronaphthalene
Concen: 35.948 ng/ul
RT: 13.292 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM048070.D
Acq: 15 Oct 2024 21:05

Instrument :
BNA_M
ClientSampleId :

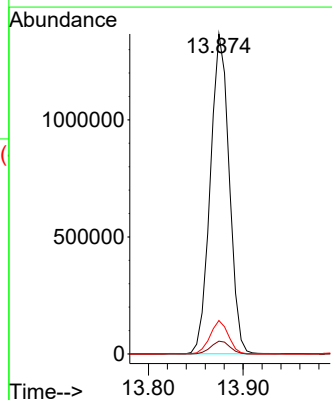
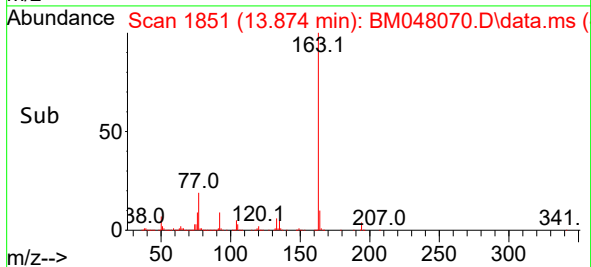
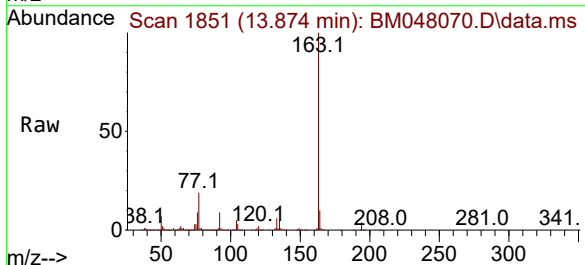


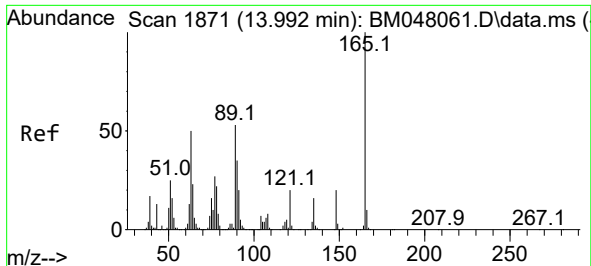
Tgt Ion:162 Resp: 1544715
Ion Ratio Lower Upper
162 100
164 33.5 25.3 37.9
127 38.0 32.9 49.3



#47
Dimethylphthalate
Concen: 37.134 ng/ul
RT: 13.874 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BM048070.D
Acq: 15 Oct 2024 21:05

Tgt Ion:163 Resp: 1892082
Ion Ratio Lower Upper
163 100
194 4.0 3.0 4.6
164 10.4 7.8 11.6

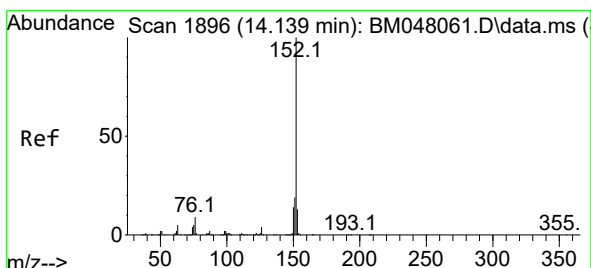
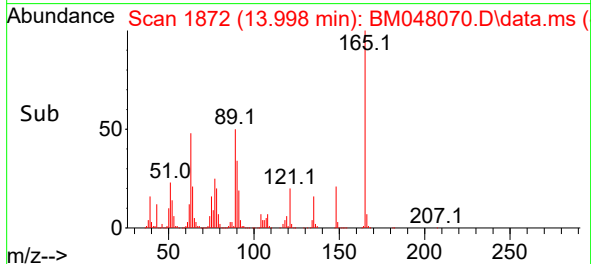
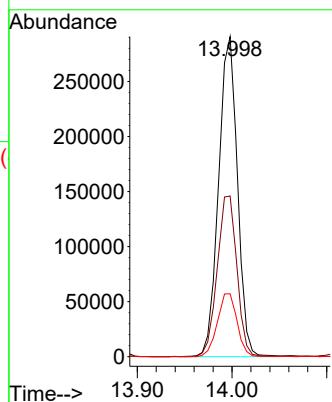
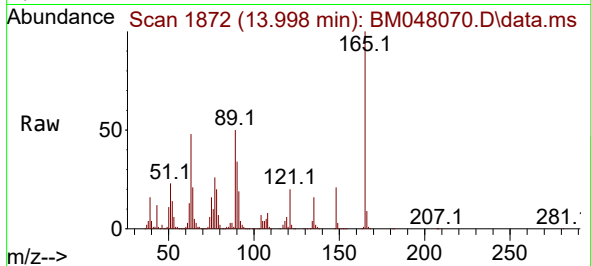




#48
2,6-Dinitrotoluene
Concen: 44.902 ng/ul
RT: 13.998 min Scan# 1872
Delta R.T. 0.000 min
Lab File: BM048070.D
Acq: 15 Oct 2024 21:05

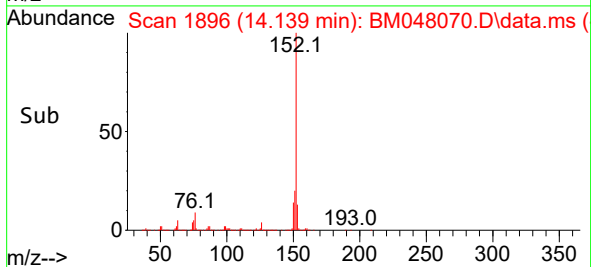
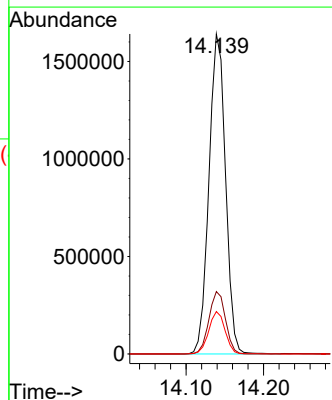
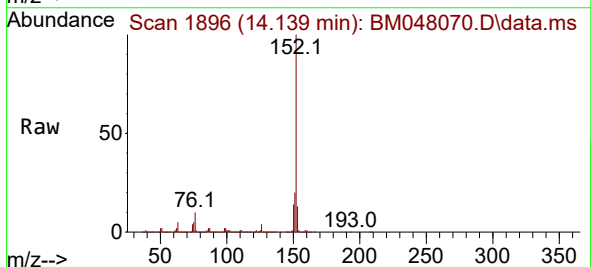
Instrument :
BNA_M
ClientSampleId :

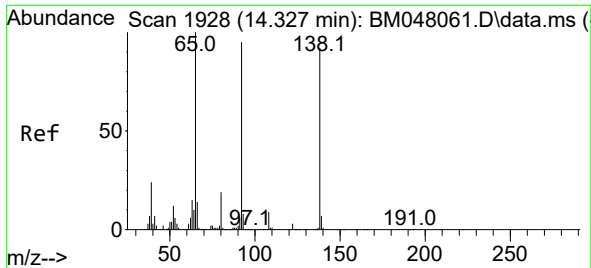
Tgt Ion:165 Resp: 401797
Ion Ratio Lower Upper
165 100
89 50.2 58.5 87.7#
121 19.7 20.2 30.2#



#50
Acenaphthylene
Concen: 36.191 ng/ul
RT: 14.139 min Scan# 1896
Delta R.T. -0.006 min
Lab File: BM048070.D
Acq: 15 Oct 2024 21:05

Tgt Ion:152 Resp: 2434699
Ion Ratio Lower Upper
152 100
151 19.5 16.2 24.2
153 13.3 10.7 16.1

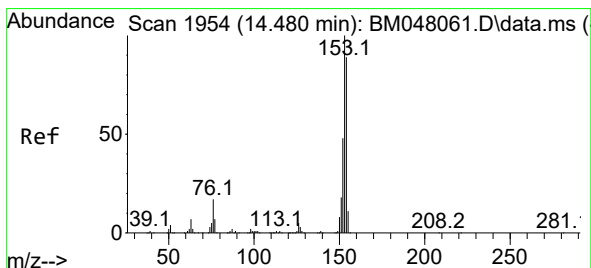
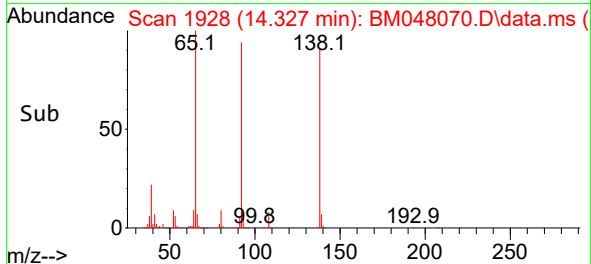
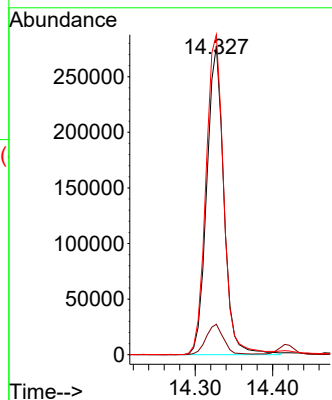
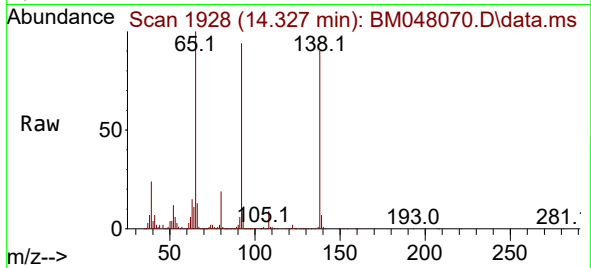




#51
3-Nitroaniline
Concen: 39.431 ng/ul
RT: 14.327 min Scan# 1928
Delta R.T. 0.000 min
Lab File: BM048070.D
Acq: 15 Oct 2024 21:05

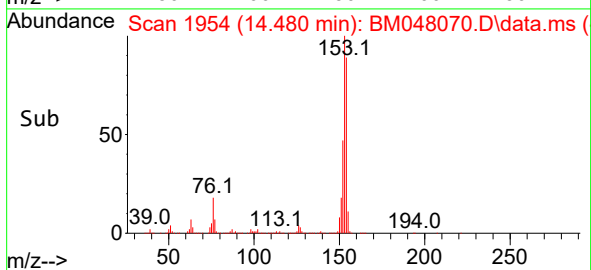
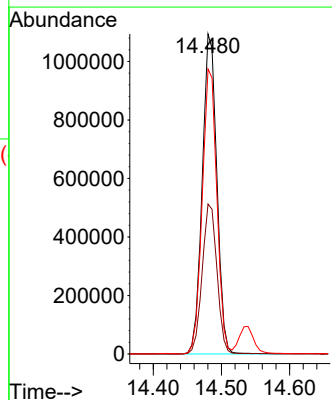
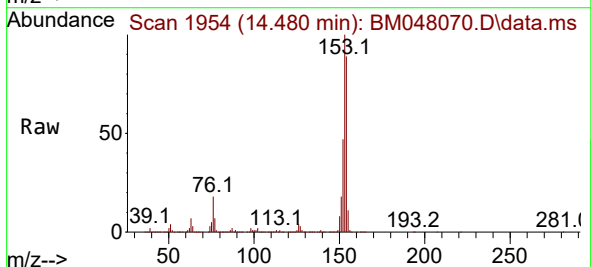
Instrument :
BNA_M
ClientSampleId :

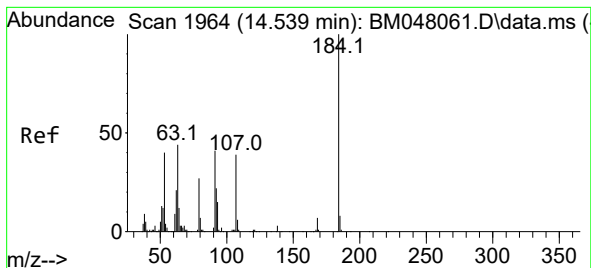
Tgt Ion:138 Resp: 427045
Ion Ratio Lower Upper
138 100
108 9.9 9.0 13.6
92 103.6 101.5 152.3



#52
Acenaphthene
Concen: 34.259 ng/ul
RT: 14.480 min Scan# 1954
Delta R.T. -0.006 min
Lab File: BM048070.D
Acq: 15 Oct 2024 21:05

Tgt Ion:153 Resp: 1629190
Ion Ratio Lower Upper
153 100
152 46.9 39.7 59.5
154 89.0 72.6 108.8

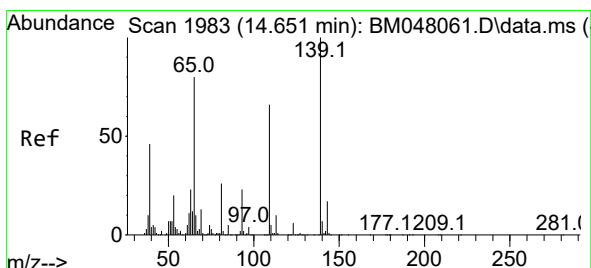
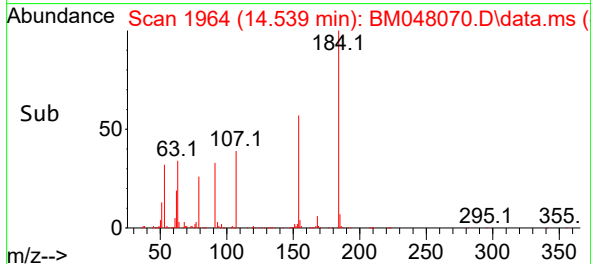
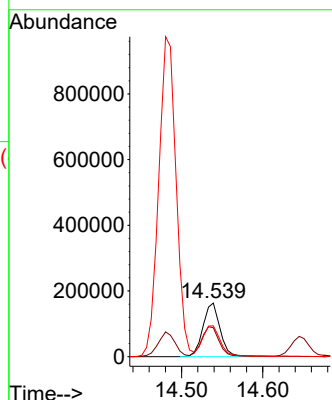
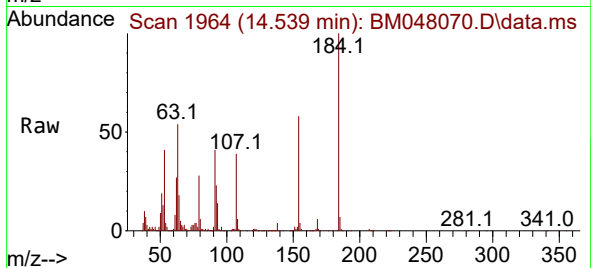




#53
2,4-Dinitrophenol
Concen: 43.633 ng/ul
RT: 14.539 min Scan# 1964
Delta R.T. 0.006 min
Lab File: BM048070.D
Acq: 15 Oct 2024 21:05

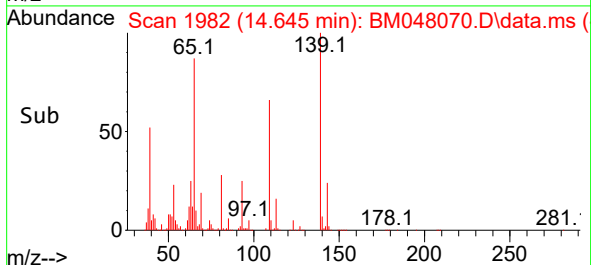
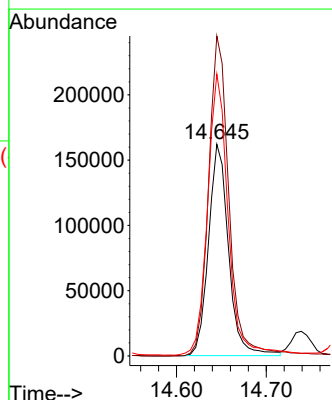
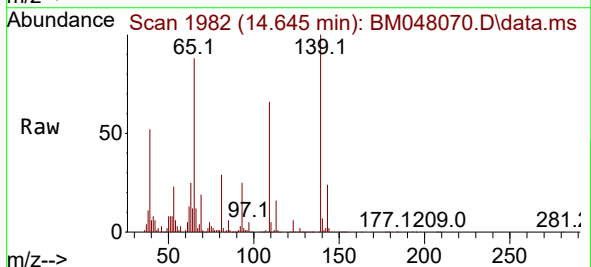
Instrument :
BNA_M
ClientSampleId :

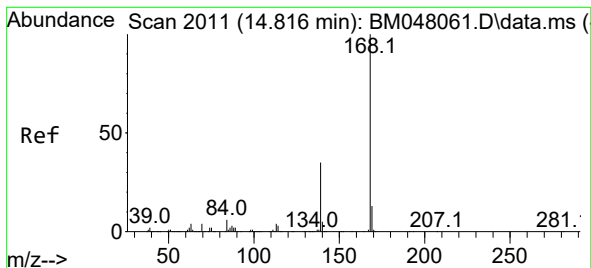
Tgt Ion:184 Resp: 241258
Ion Ratio Lower Upper
184 100
63 53.8 77.5 116.3#
154 57.6 55.8 83.6



#55
4-Nitrophenol
Concen: 29.872 ng/ul
RT: 14.645 min Scan# 1982
Delta R.T. 0.006 min
Lab File: BM048070.D
Acq: 15 Oct 2024 21:05

Tgt Ion:109 Resp: 251229
Ion Ratio Lower Upper
109 100
139 151.2 105.7 158.5
65 133.2 123.1 184.7

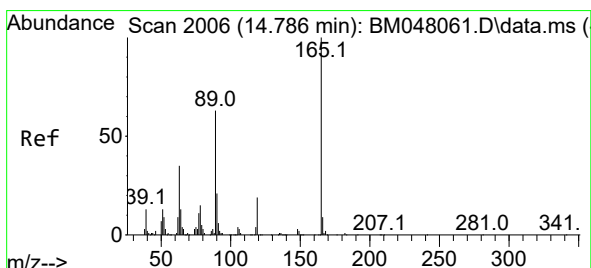
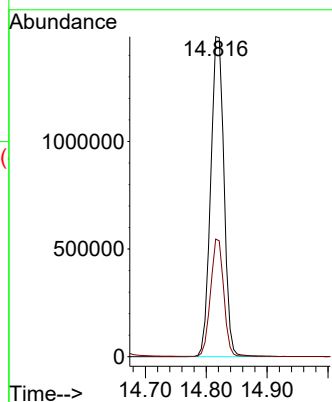
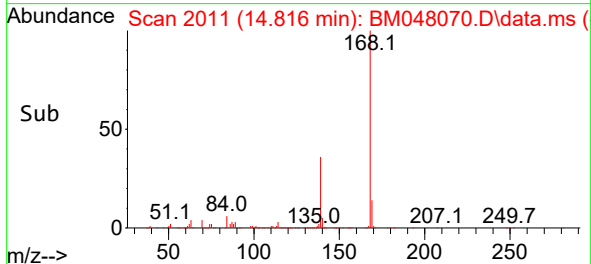
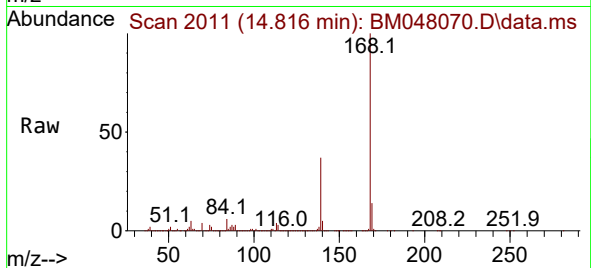




#56
Dibenzenofuran
Concen: 35.332 ng/ul
RT: 14.816 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BM048070.D
Acq: 15 Oct 2024 21:05

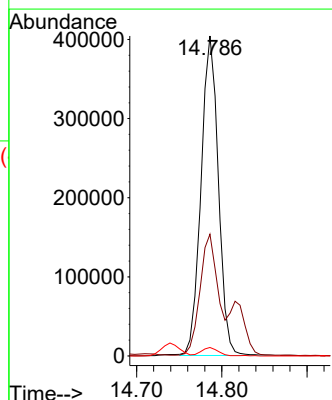
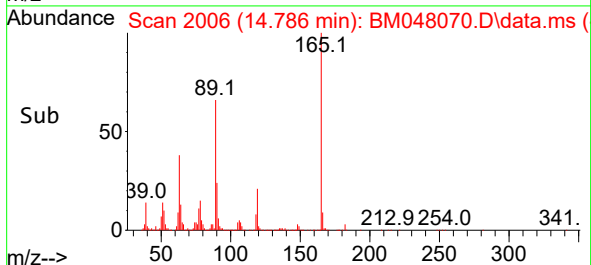
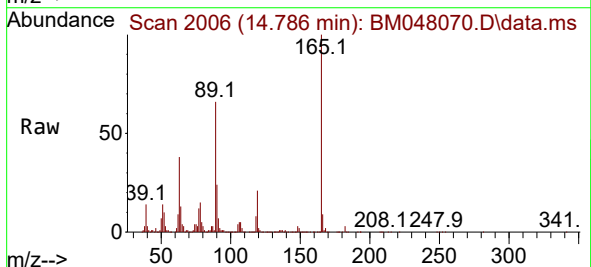
Instrument :
BNA_M
ClientSampleId :

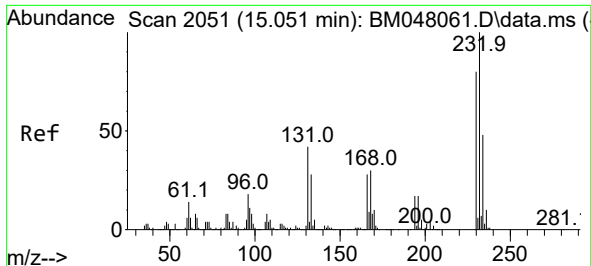
Tgt Ion:168 Resp: 2261703
Ion Ratio Lower Upper
168 100
139 36.7 31.0 46.6



#57
2,4-Dinitrotoluene
Concen: 42.349 ng/ul
RT: 14.786 min Scan# 2006
Delta R.T. 0.000 min
Lab File: BM048070.D
Acq: 15 Oct 2024 21:05

Tgt Ion:165 Resp: 569162
Ion Ratio Lower Upper
165 100
63 38.1 45.8 68.6#
182 2.7 1.7 2.5#

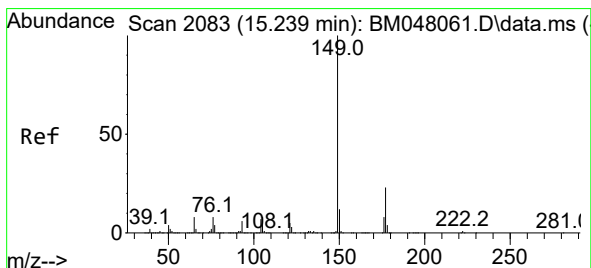
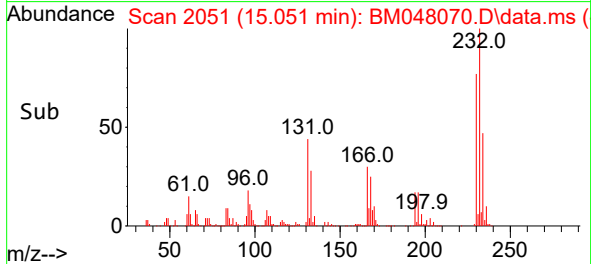
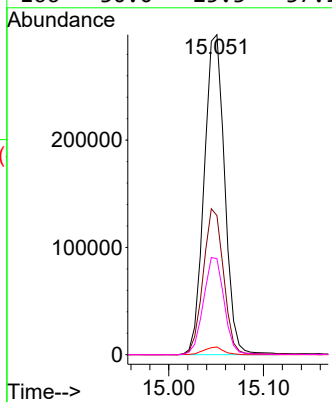
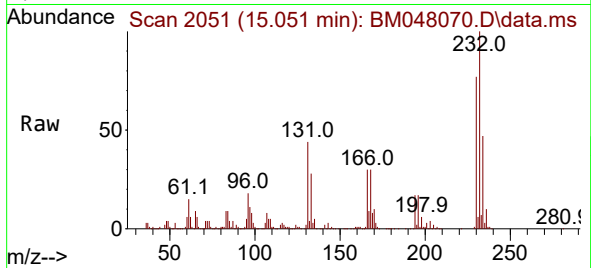




#58
2,3,4,6-Tetrachlorophenol
Concen: 39.927 ng/ul
RT: 15.051 min Scan# 2051
Delta R.T. 0.000 min
Lab File: BM048070.D
Acq: 15 Oct 2024 21:05

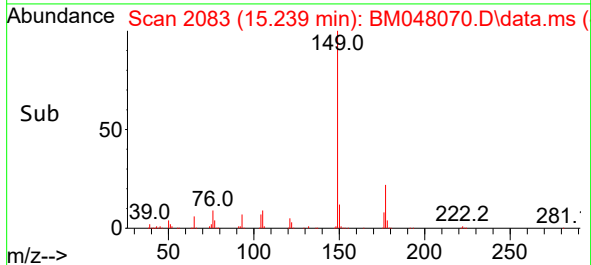
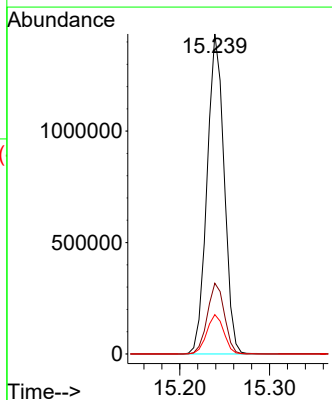
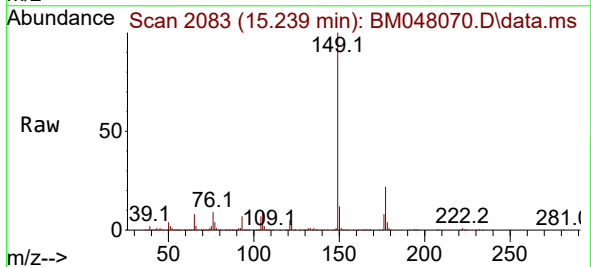
Instrument :
BNA_M
ClientSampleId :

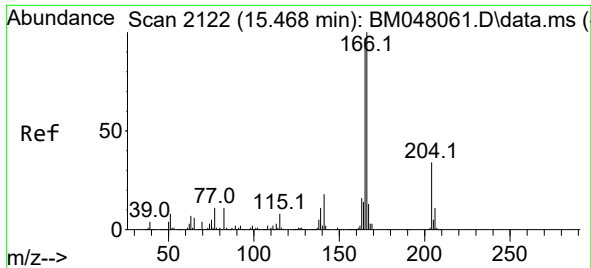
Tgt Ion:232 Resp: 449826
Ion Ratio Lower Upper
232 100
131 43.5 40.2 60.4
130 2.4 2.6 4.0#
166 30.0 25.3 37.9



#59
Diethylphthalate
Concen: 37.157 ng/ul
RT: 15.239 min Scan# 2083
Delta R.T. -0.006 min
Lab File: BM048070.D
Acq: 15 Oct 2024 21:05

Tgt Ion:149 Resp: 1894268
Ion Ratio Lower Upper
149 100
177 22.1 16.9 25.3
150 12.3 9.2 13.8

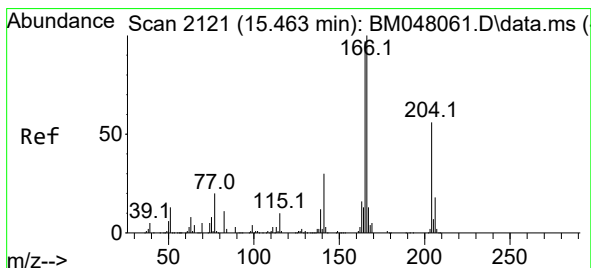
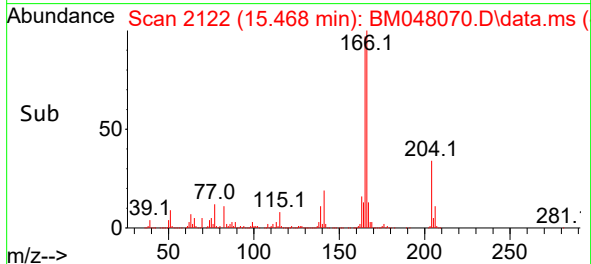
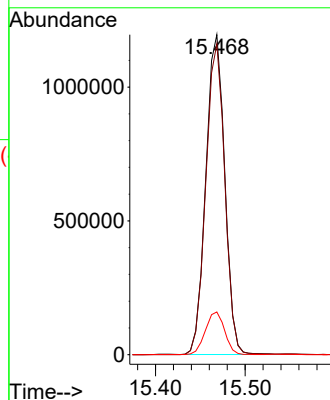
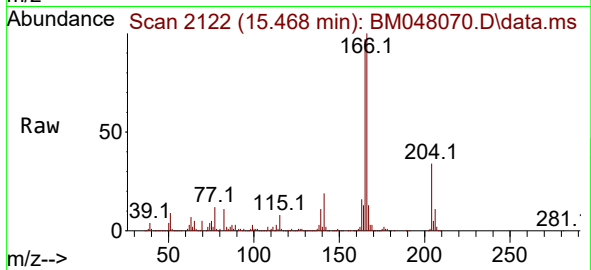




#61
Fluorene
Concen: 32.906 ng/ul
RT: 15.468 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BM048070.D
Acq: 15 Oct 2024 21:05

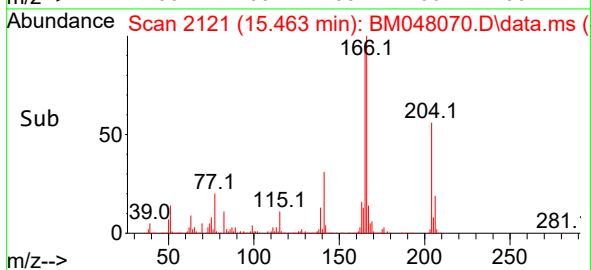
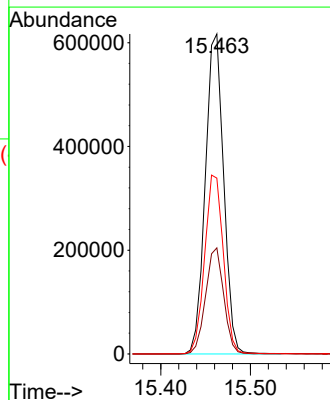
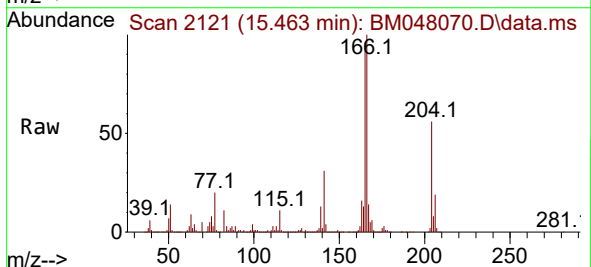
Instrument :
BNA_M
ClientSampleId :

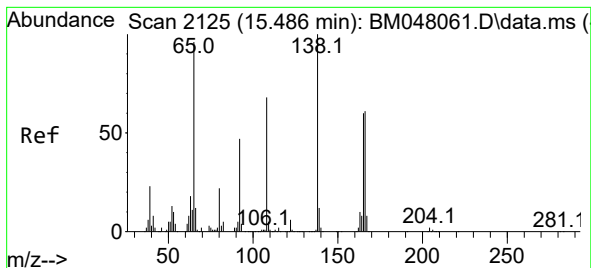
Tgt Ion:166 Resp: 1757327
Ion Ratio Lower Upper
166 100
165 97.1 77.8 116.6
167 13.3 10.8 16.2



#62
4-Chlorophenyl-phenylether
Concen: 34.711 ng/ul
RT: 15.463 min Scan# 2121
Delta R.T. 0.000 min
Lab File: BM048070.D
Acq: 15 Oct 2024 21:05

Tgt Ion:204 Resp: 875933
Ion Ratio Lower Upper
204 100
206 33.2 27.0 40.4
141 55.0 49.2 73.8

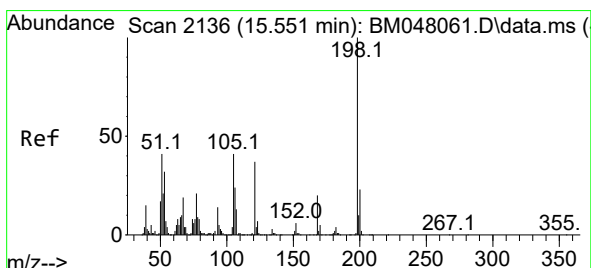
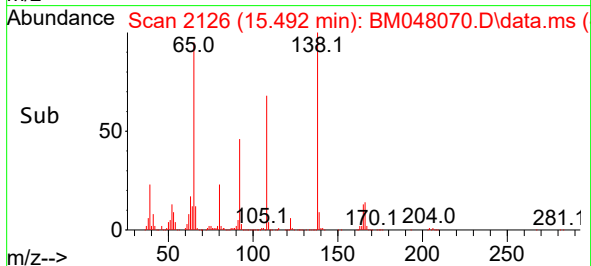
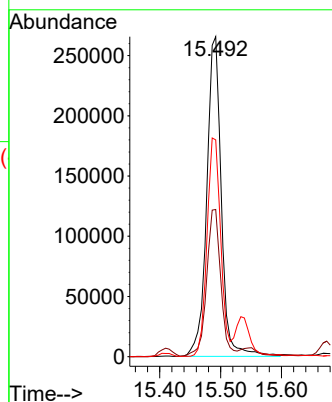
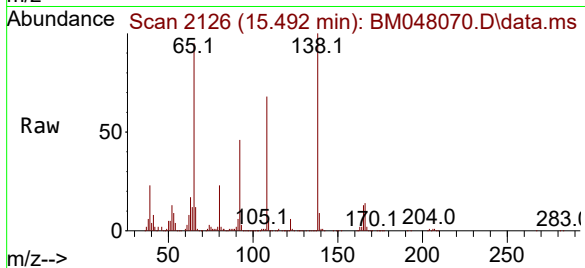




#63
4-Nitroaniline
Concen: 42.154 ng/ul
RT: 15.492 min Scan# 2126
Delta R.T. 0.006 min
Lab File: BM048070.D
Acq: 15 Oct 2024 21:05

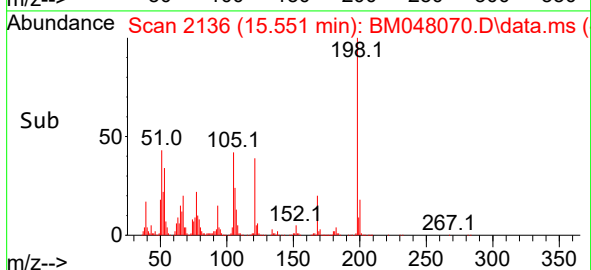
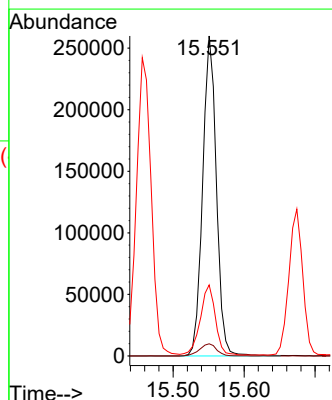
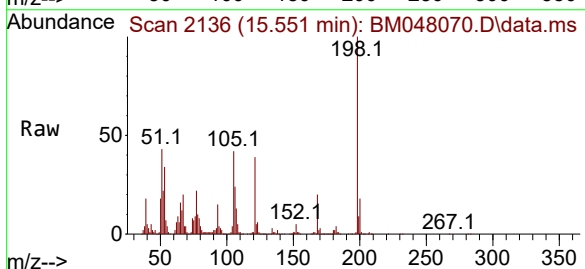
Instrument :
BNA_M
ClientSampleId :

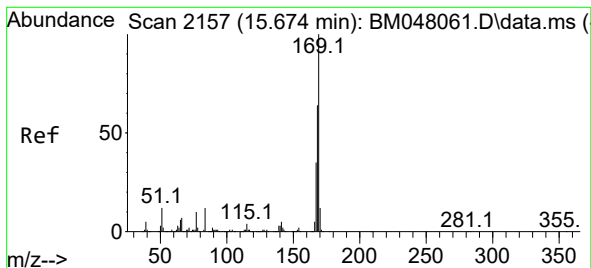
Tgt Ion:138 Resp: 443383
Ion Ratio Lower Upper
138 100
92 46.0 44.9 67.3
108 67.8 62.4 93.6



#66
4,6-Dinitro-2-methylphenol
Concen: 39.515 ng/ul
RT: 15.551 min Scan# 2136
Delta R.T. 0.006 min
Lab File: BM048070.D
Acq: 15 Oct 2024 21:05

Tgt Ion:198 Resp: 350924
Ion Ratio Lower Upper
198 100
182 3.8 5.1 7.7#
77 22.2 26.2 39.2#





#67

N-Nitrosodiphenylamine

Concen: 35.666 ng/ul

RT: 15.674 min Scan# 2157

Delta R.T. 0.000 min

Lab File: BM048070.D

Acq: 15 Oct 2024 21:05

Instrument :

BNA_M

ClientSampleId :

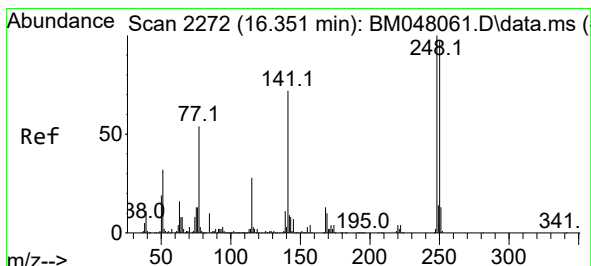
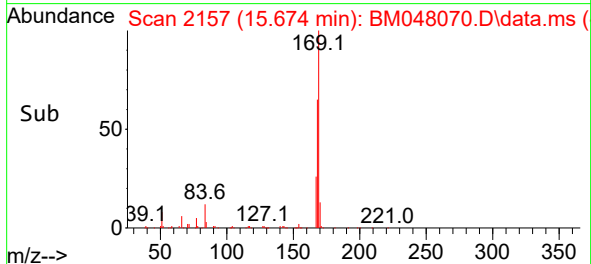
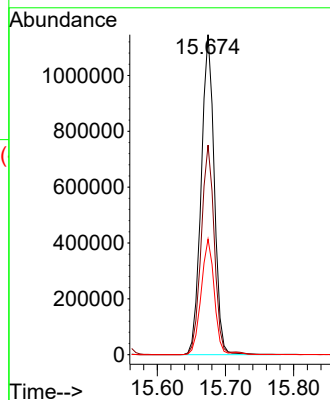
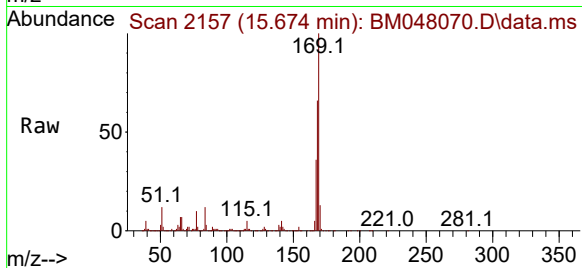
Tgt Ion:169 Resp: 1522181

Ion Ratio Lower Upper

169 100

168 65.5 53.5 80.3

167 36.1 30.0 45.0



#68

4-Bromophenyl-phenylether

Concen: 38.946 ng/ul

RT: 16.351 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BM048070.D

Acq: 15 Oct 2024 21:05

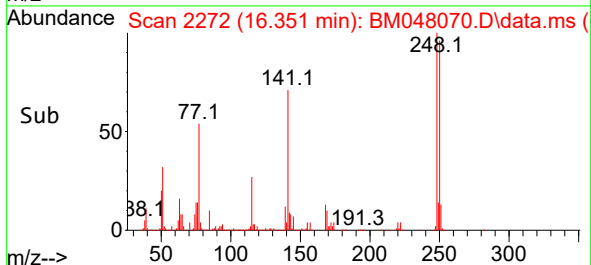
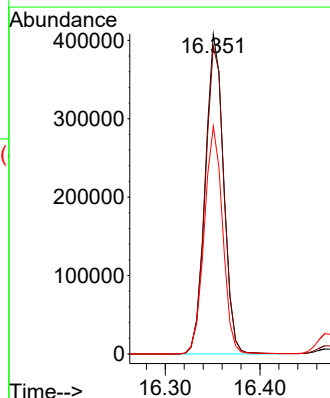
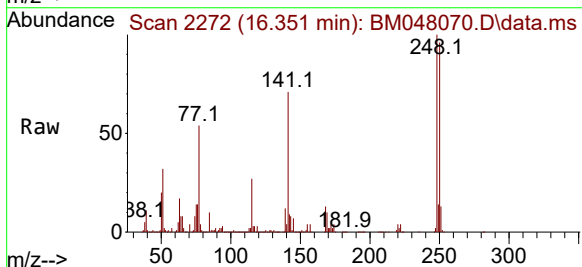
Tgt Ion:248 Resp: 549819

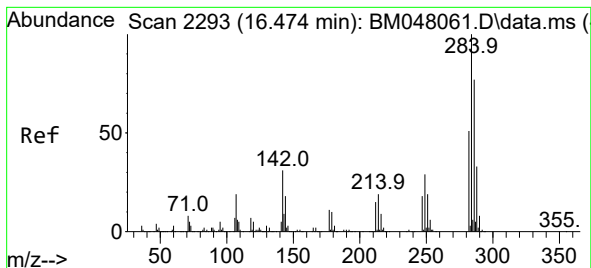
Ion Ratio Lower Upper

248 100

250 96.3 76.5 114.7

141 71.1 60.8 91.2





#69

Hexachlorobenzene

Concen: 39.077 ng/ul

RT: 16.474 min Scan# 2293

Delta R.T. 0.000 min

Lab File: BM048070.D

Acq: 15 Oct 2024 21:05

Instrument :

BNA_M

ClientSampleId :

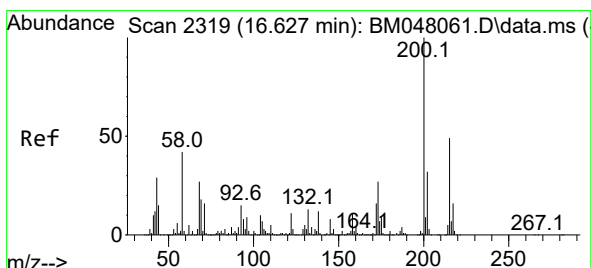
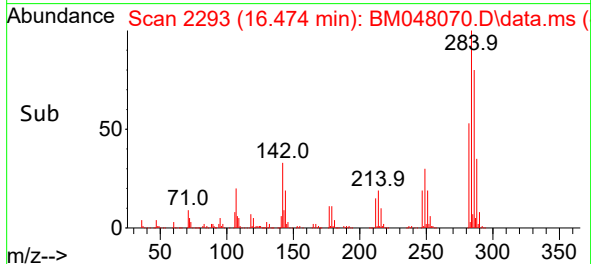
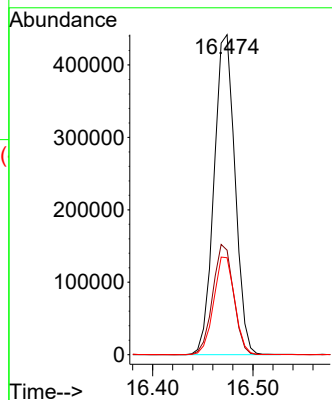
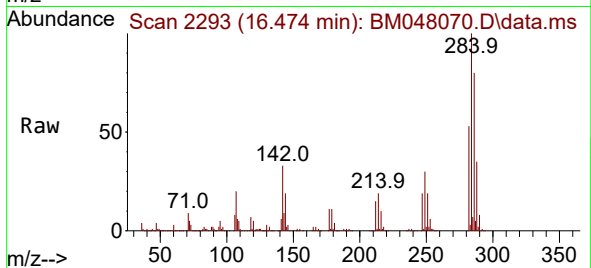
Tgt Ion:284 Resp: 642002

Ion Ratio Lower Upper

284 100

142 32.6 32.4 48.6

249 30.3 26.3 39.5



#70

Atrazine

Concen: 25.893 ng/ul

RT: 16.627 min Scan# 2319

Delta R.T. 0.000 min

Lab File: BM048070.D

Acq: 15 Oct 2024 21:05

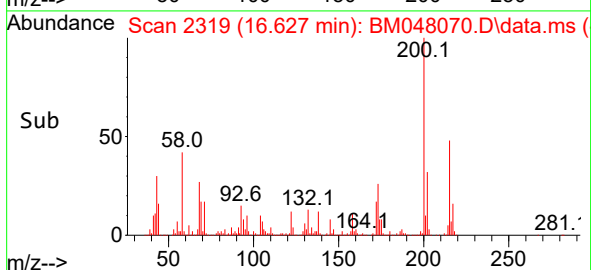
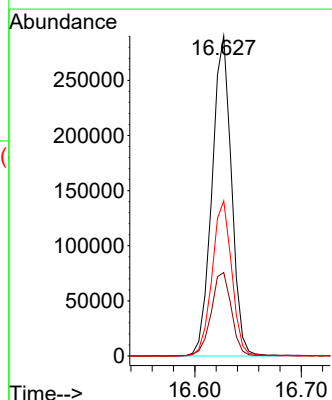
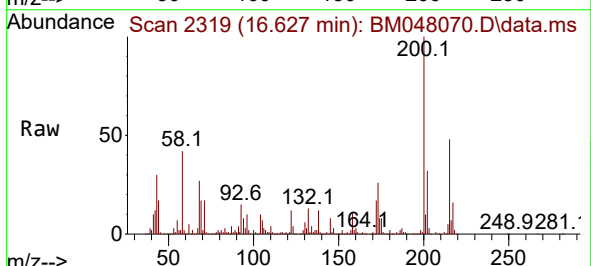
Tgt Ion:200 Resp: 367857

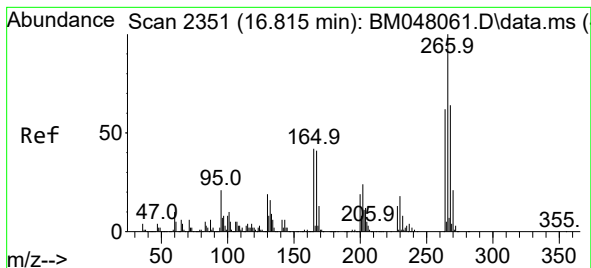
Ion Ratio Lower Upper

200 100

173 26.1 20.2 30.2

215 48.4 39.4 59.2





#71

Pentachlorophenol

Concen: 37.071 ng/ul

RT: 16.815 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM048070.D

Acq: 15 Oct 2024 21:05

Instrument :

BNA_M

ClientSampleId :

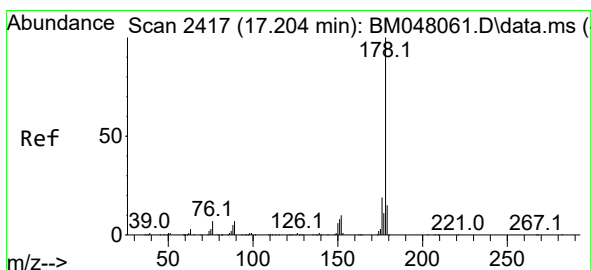
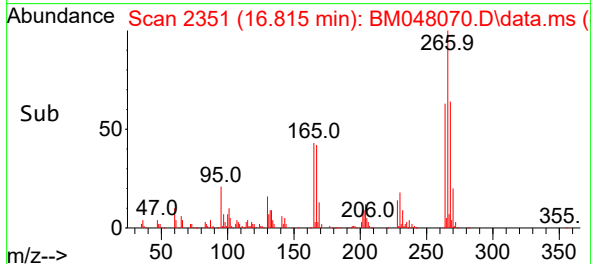
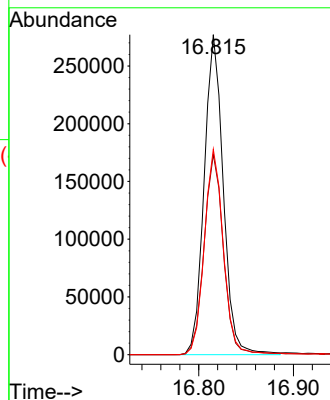
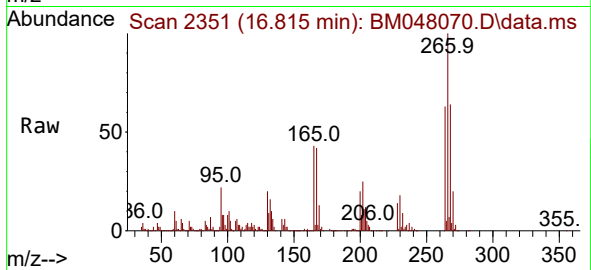
Tgt Ion:266 Resp: 387271

Ion Ratio Lower Upper

266 100

264 62.6 50.2 75.2

268 64.2 50.9 76.3



#72

Phenanthrene

Concen: 34.618 ng/ul

RT: 17.204 min Scan# 2417

Delta R.T. 0.000 min

Lab File: BM048070.D

Acq: 15 Oct 2024 21:05

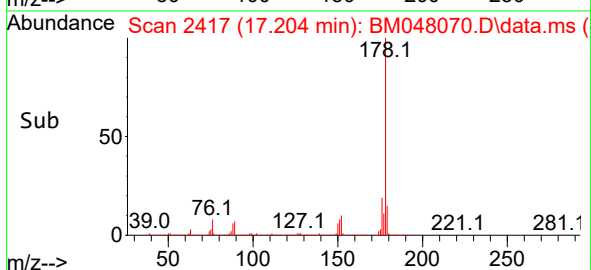
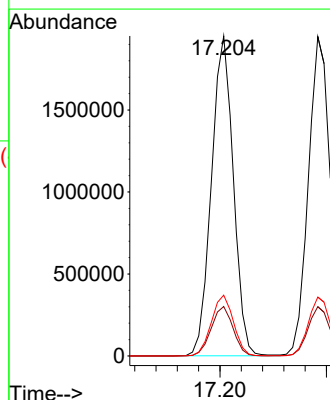
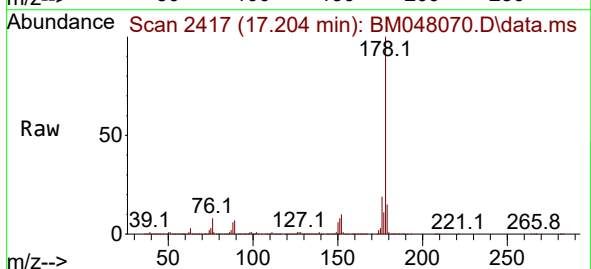
Tgt Ion:178 Resp: 2780416

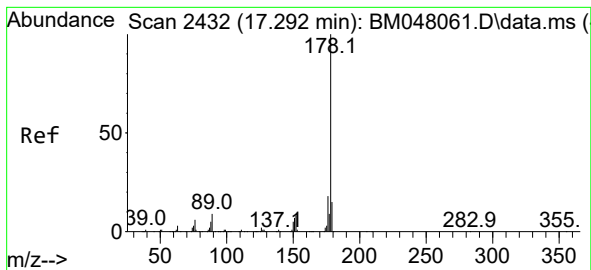
Ion Ratio Lower Upper

178 100

179 15.5 12.0 18.0

176 19.0 15.4 23.0





#74

Anthracene

Concen: 33.988 ng/uI

RT: 17.292 min Scan# 2432

Delta R.T. 0.000 min

Lab File: BM048070.D

Acq: 15 Oct 2024 21:05

Instrument :

BNA_M

ClientSampleId :

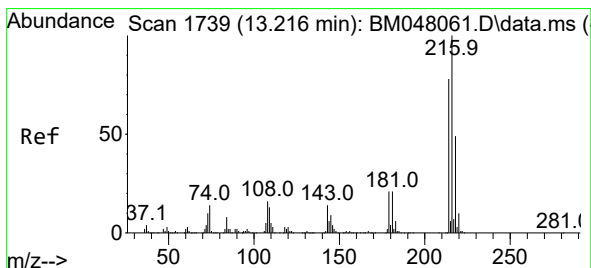
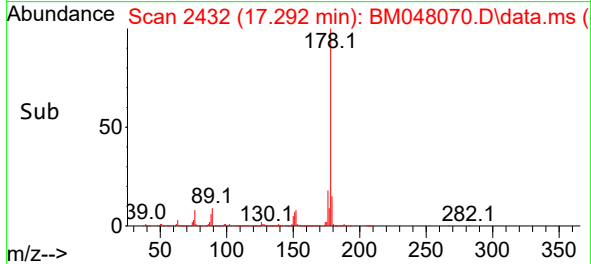
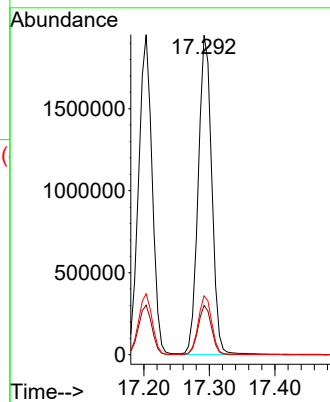
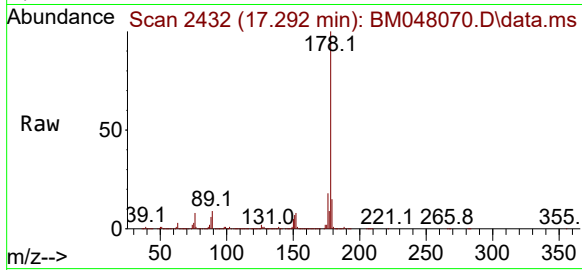
Tgt Ion:178 Resp: 2784231

Ion Ratio Lower Upper

178 100

179 15.4 12.4 18.6

176 18.4 14.7 22.1



#75

1,2,3,4-Tetrachlorobenzene

Concen: 34.751 ng/uL

RT: 13.216 min Scan# 1739

Delta R.T. -0.006 min

Lab File: BM048070.D

Acq: 15 Oct 2024 21:05

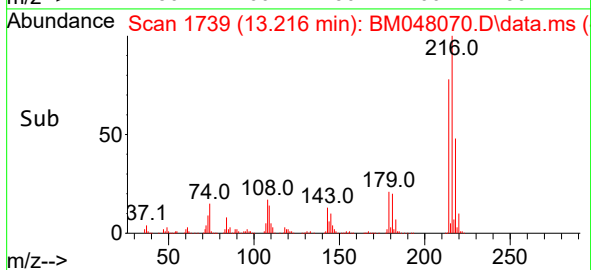
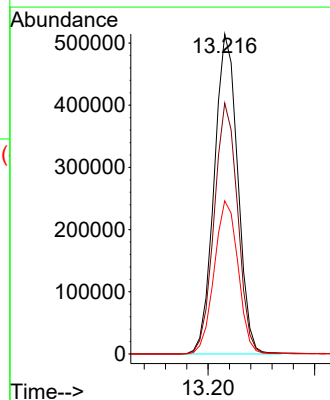
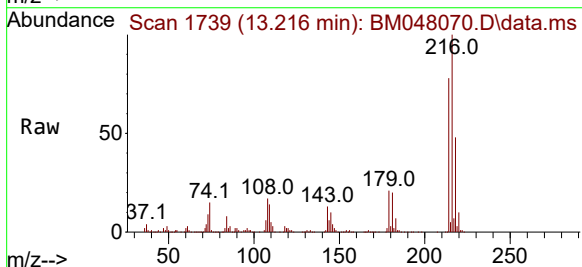
Tgt Ion:216 Resp: 788040

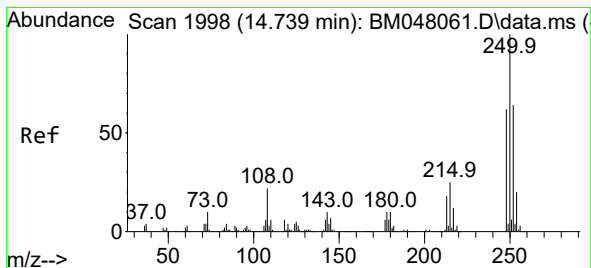
Ion Ratio Lower Upper

216 100

214 78.4 63.0 94.4

218 47.8 37.6 56.4





#76

Pentachlorobenzene

Concen: 34.422 ng/uL

RT: 14.739 min Scan# 1998

Delta R.T. -0.006 min

Lab File: BM048070.D

Acq: 15 Oct 2024 21:05

Instrument :

BNA_M

ClientSampleId :

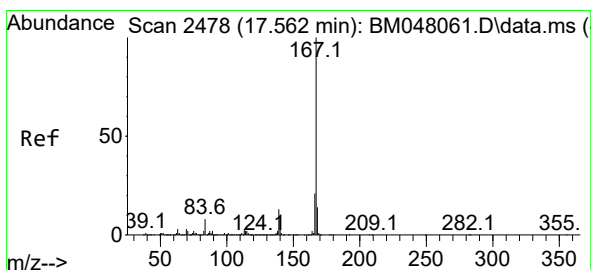
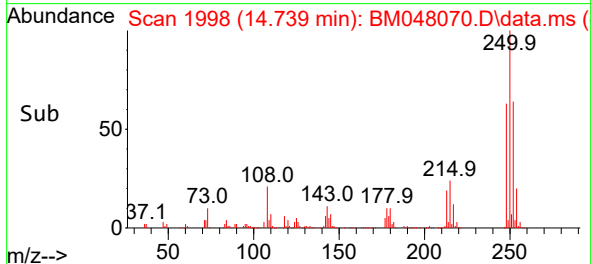
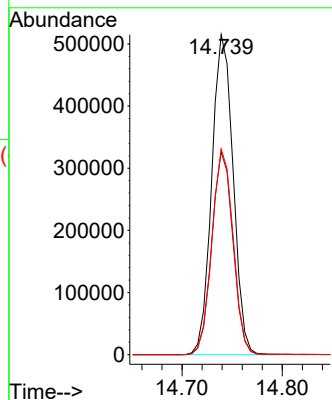
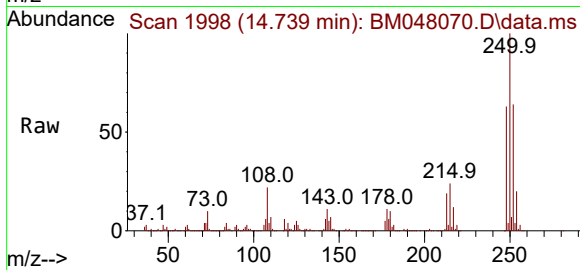
Tgt Ion:250 Resp: 761915

Ion Ratio Lower Upper

250 100

248 63.4 50.2 75.2

252 64.3 49.4 74.0



#77

Carbazole

Concen: 35.292 ng/uL

RT: 17.562 min Scan# 2478

Delta R.T. 0.000 min

Lab File: BM048070.D

Acq: 15 Oct 2024 21:05

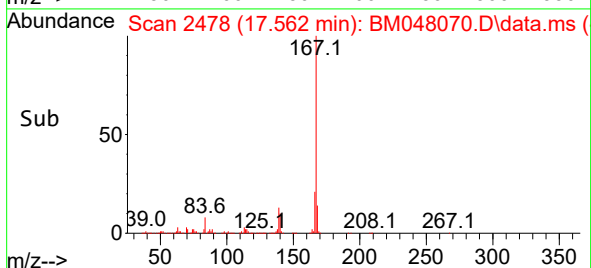
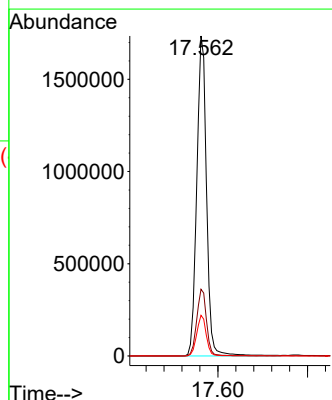
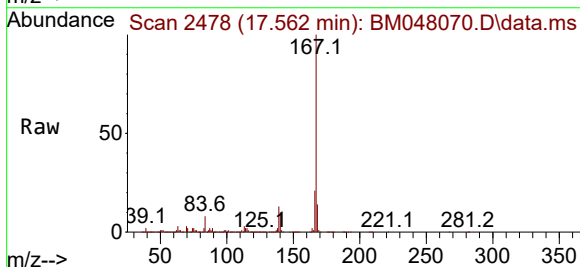
Tgt Ion:167 Resp: 2620530

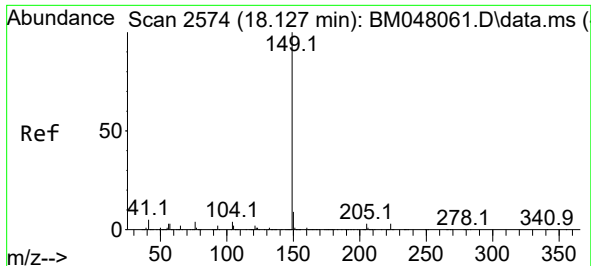
Ion Ratio Lower Upper

167 100

166 20.8 17.4 26.0

139 12.7 10.9 16.3

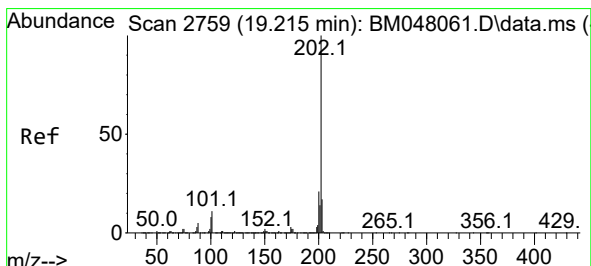
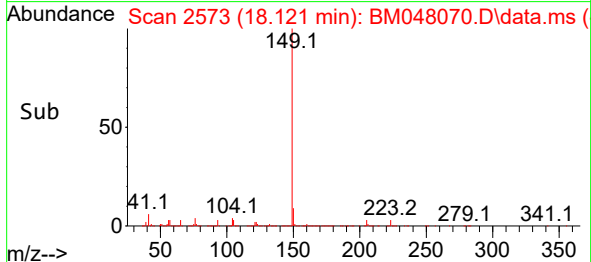
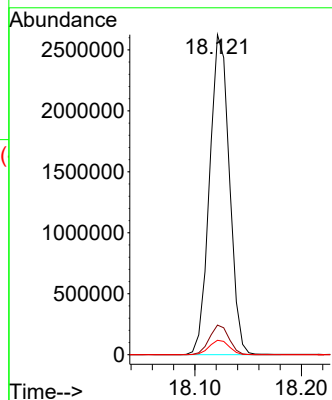
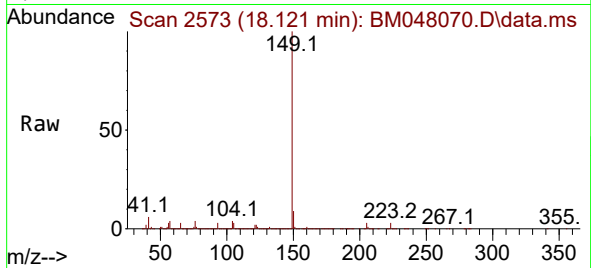




#78
Di-n-butylphthalate
Concen: 40.939 ng/ul
RT: 18.121 min Scan# 2573
Delta R.T. -0.006 min
Lab File: BM048070.D
Acq: 15 Oct 2024 21:05

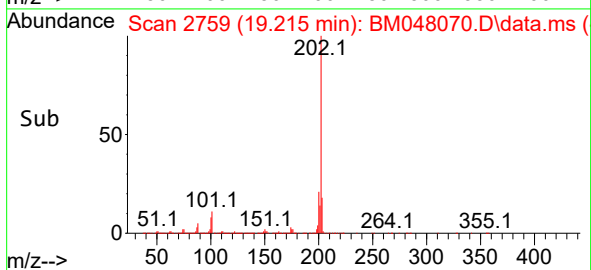
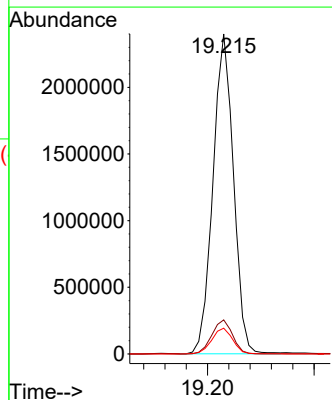
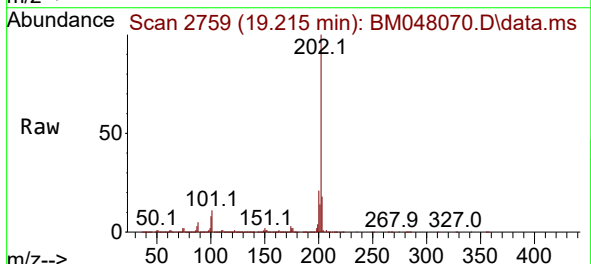
Instrument :
BNA_M
ClientSampleId :

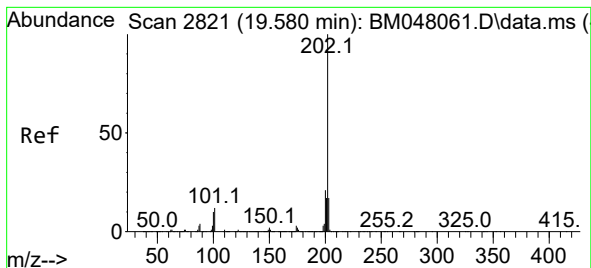
Tgt Ion:149 Resp: 3384289
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.2
104 4.5 4.6 7.0#



#80
Fluoranthene
Concen: 39.305 ng/ul
RT: 19.215 min Scan# 2759
Delta R.T. 0.000 min
Lab File: BM048070.D
Acq: 15 Oct 2024 21:05

Tgt Ion:202 Resp: 3202025
Ion Ratio Lower Upper
202 100
101 10.7 9.0 13.4
100 8.1 6.8 10.2





#82

Pyrene

Concen: 37.590 ng/ul

RT: 19.580 min Scan# 2821

Delta R.T. 0.006 min

Lab File: BM048070.D

Acq: 15 Oct 2024 21:05

Instrument :

BNA_M

ClientSampleId :

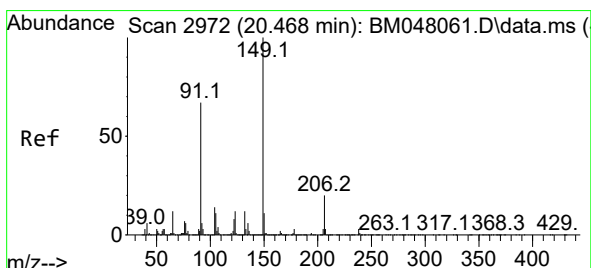
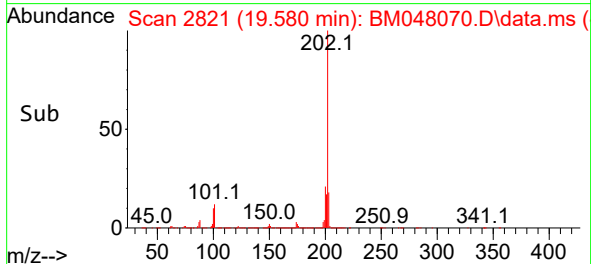
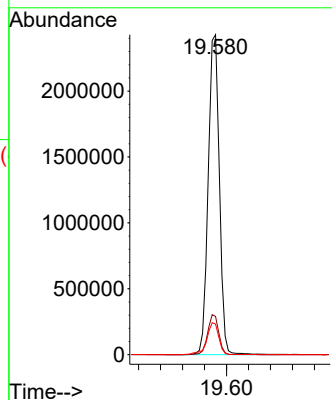
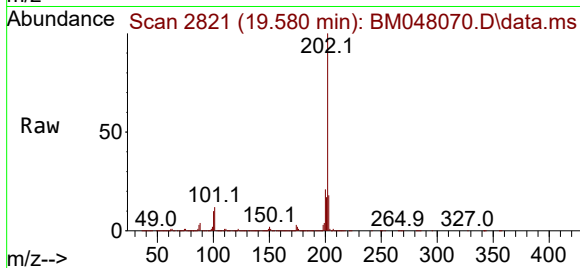
Tgt Ion:202 Resp: 3408324

Ion Ratio Lower Upper

202 100

101 11.9 10.9 16.3

100 9.6 9.4 14.2



#83

Butylbenzylphthalate

Concen: 47.939 ng/ul

RT: 20.468 min Scan# 2972

Delta R.T. 0.000 min

Lab File: BM048070.D

Acq: 15 Oct 2024 21:05

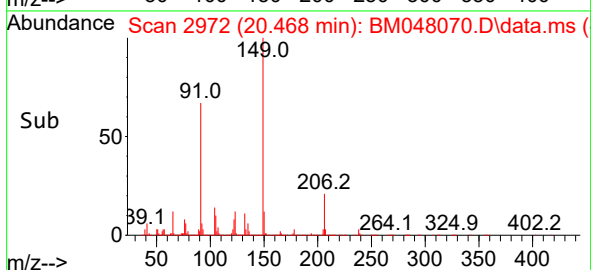
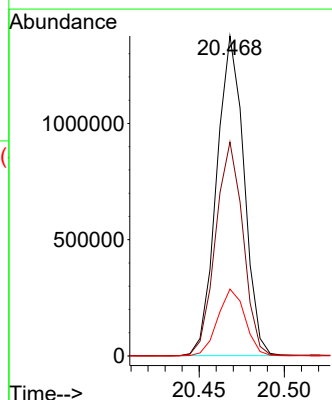
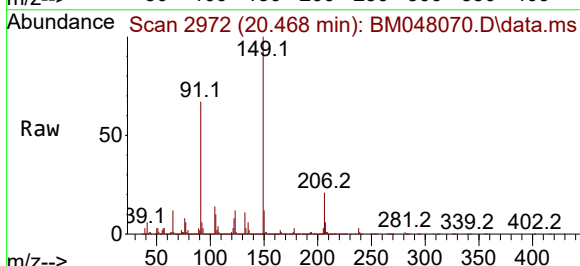
Tgt Ion:149 Resp: 1536699

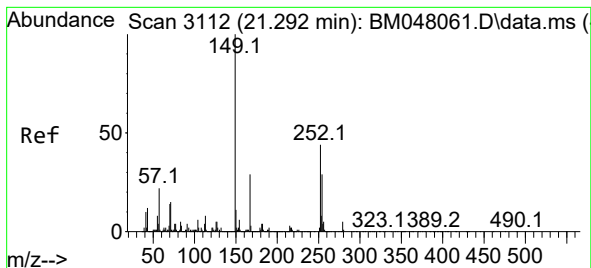
Ion Ratio Lower Upper

149 100

91 66.8 66.9 100.3#

206 20.9 14.4 21.6





#84

3,3'-Dichlorobenzidine

Concen: 39.169 ng/ul

RT: 21.292 min Scan# 3112

Delta R.T. 0.000 min

Lab File: BM048070.D

Acq: 15 Oct 2024 21:05

Instrument :

BNA_M

ClientSampleId :

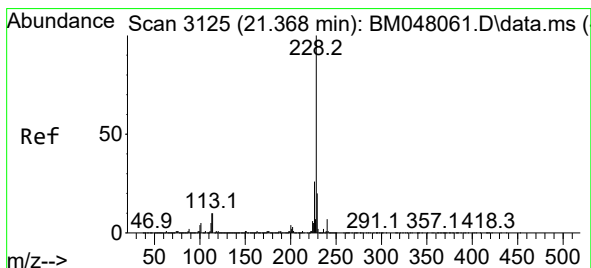
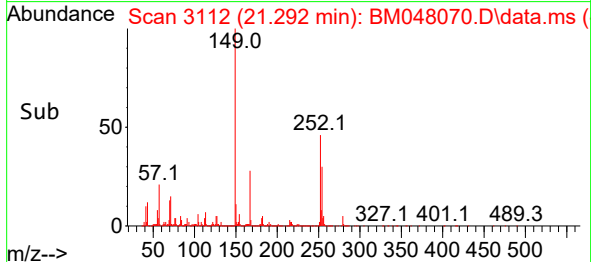
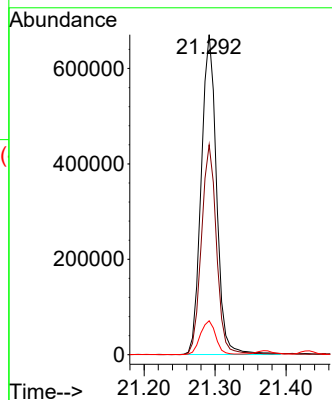
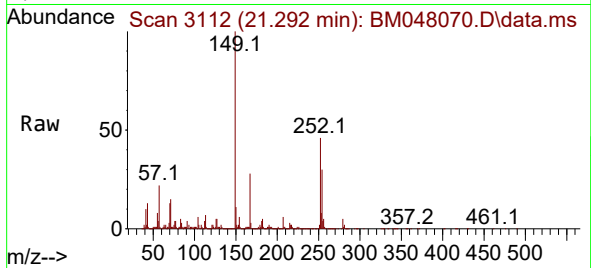
Tgt Ion:252 Resp: 1008695

Ion Ratio Lower Upper

252 100

254 65.6 51.5 77.3

126 10.6 9.4 14.0



#85

Benzo(a)anthracene

Concen: 38.480 ng/ul

RT: 21.368 min Scan# 3125

Delta R.T. 0.000 min

Lab File: BM048070.D

Acq: 15 Oct 2024 21:05

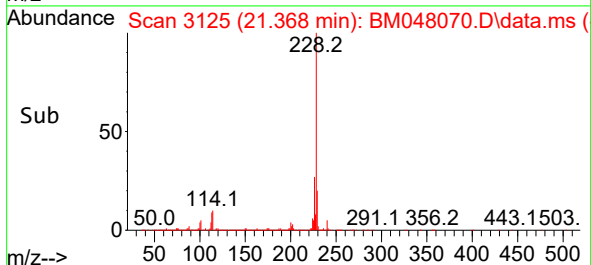
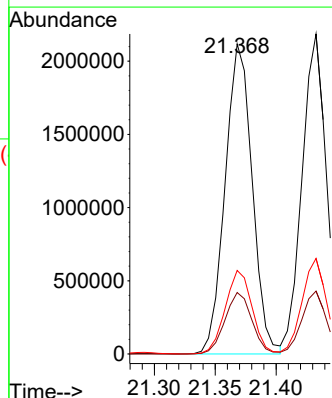
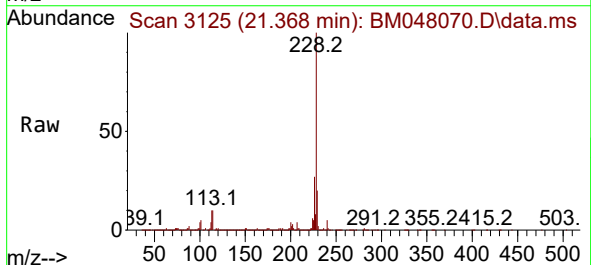
Tgt Ion:228 Resp: 3283632

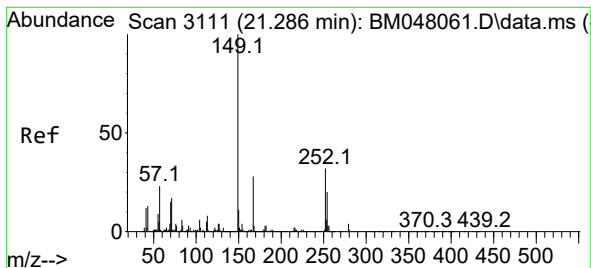
Ion Ratio Lower Upper

228 100

229 19.8 15.6 23.4

226 26.9 21.9 32.9

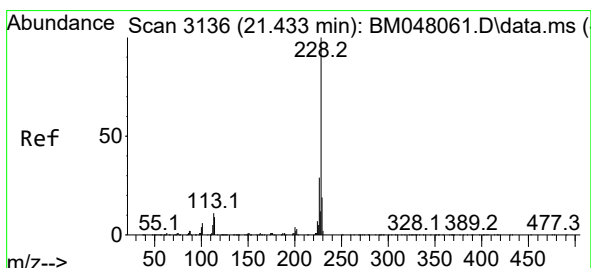
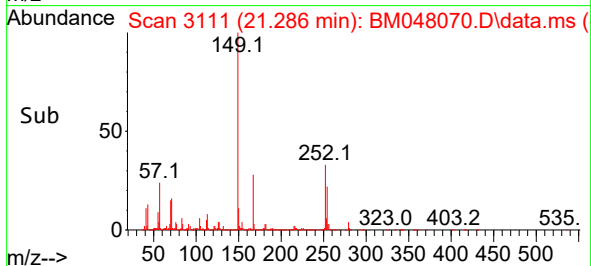
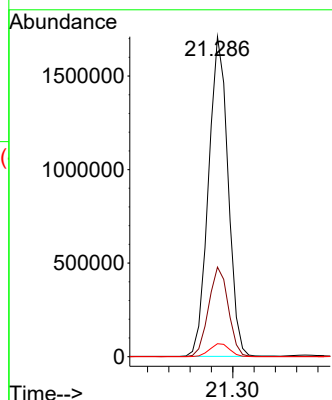
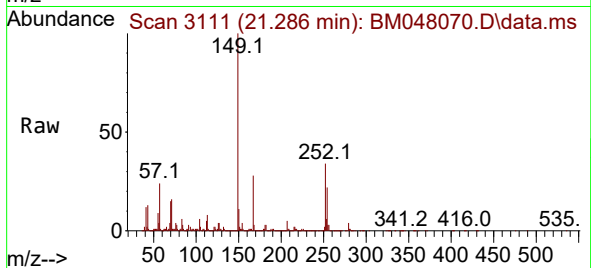




#86
 Bis(2-ethylhexyl)phthalate
 Concen: 45.251 ng/ul
 RT: 21.286 min Scan# 3111
 Delta R.T. 0.000 min
 Lab File: BM048070.D
 Acq: 15 Oct 2024 21:05

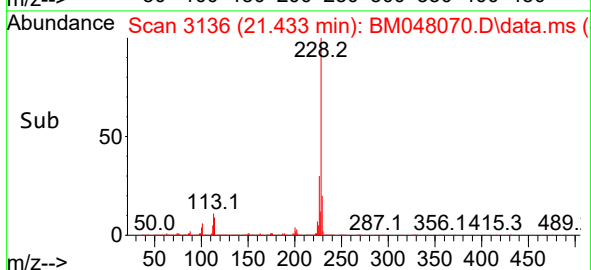
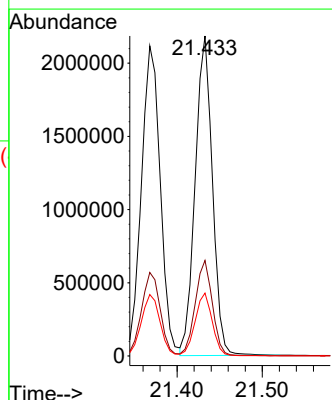
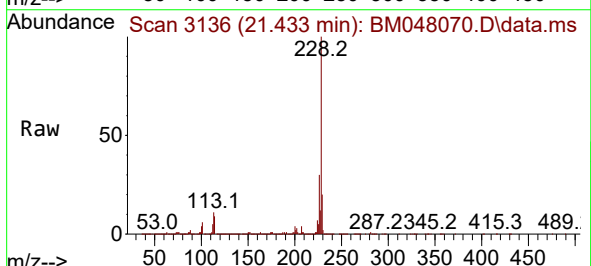
Instrument :
 BNA_M
 ClientSampleId :

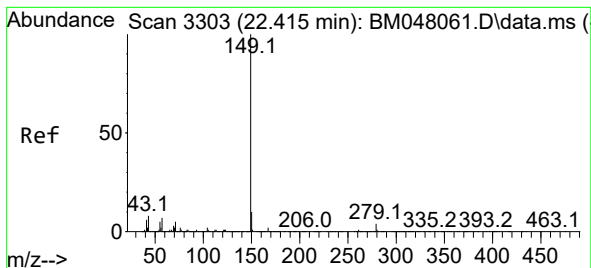
Tgt Ion:149 Resp: 2177777
 Ion Ratio Lower Upper
 149 100
 167 28.0 21.3 31.9
 279 4.1 2.7 4.1



#87
 Chrysene
 Concen: 36.870 ng/ul
 RT: 21.433 min Scan# 3136
 Delta R.T. 0.006 min
 Lab File: BM048070.D
 Acq: 15 Oct 2024 21:05

Tgt Ion:228 Resp: 3067189
 Ion Ratio Lower Upper
 228 100
 226 29.8 23.6 35.4
 229 19.6 15.3 22.9





#89

Di-n-octyl phthalate

Concen: 43.651 ng/ul

RT: 22.415 min Scan# 31

Delta R.T. 0.000 min

Lab File: BM048070.D

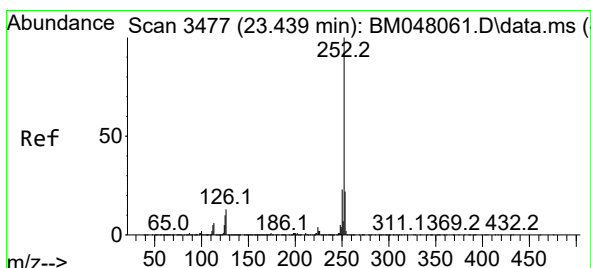
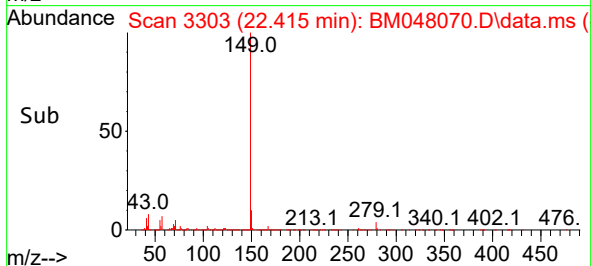
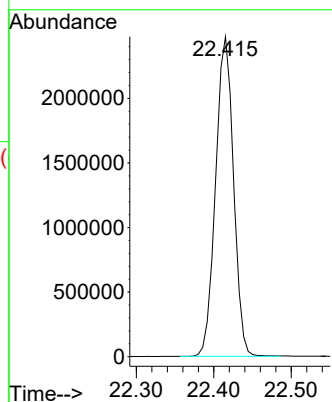
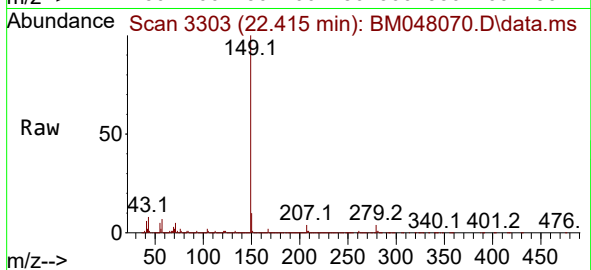
Acq: 15 Oct 2024 21:05

Instrument :

BNA_M

ClientSampleId :

Tgt Ion:149 Resp: 3973196



#90

Benzo(b)fluoranthene

Concen: 37.879 ng/ul

RT: 23.438 min Scan# 3477

Delta R.T. 0.012 min

Lab File: BM048070.D

Acq: 15 Oct 2024 21:05

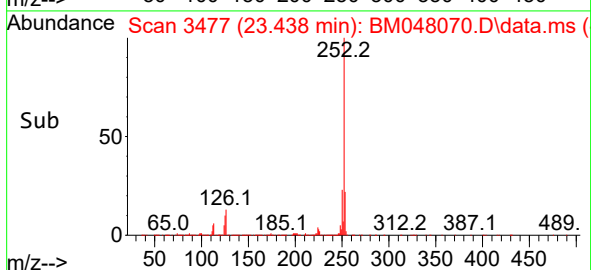
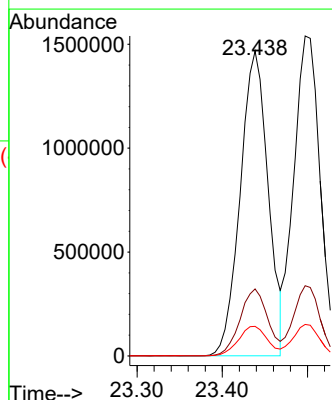
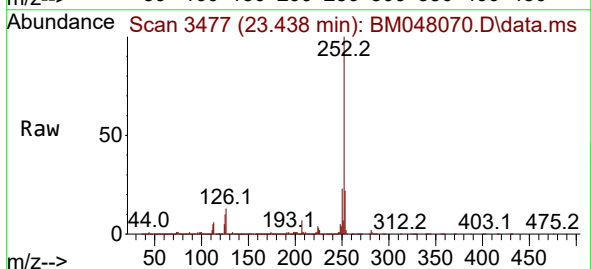
Tgt Ion:252 Resp: 3333580

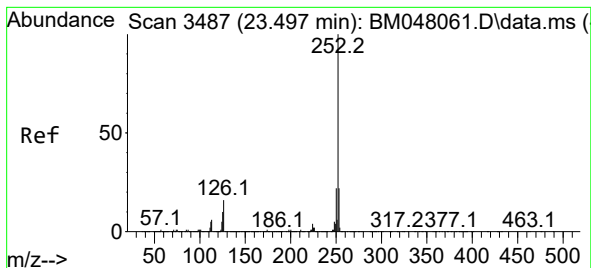
Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

125 9.7 9.0 13.4





#91

Benzo(k)fluoranthene

Concen: 36.614 ng/ul

RT: 23.497 min Scan# 34

Delta R.T. 0.012 min

Lab File: BM048070.D

Acq: 15 Oct 2024 21:05

Instrument :

BNA_M

ClientSampleId :

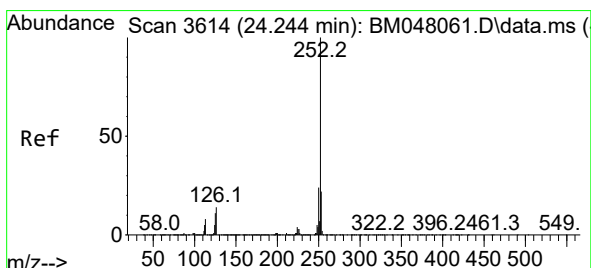
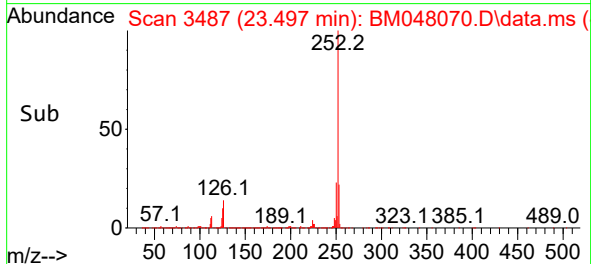
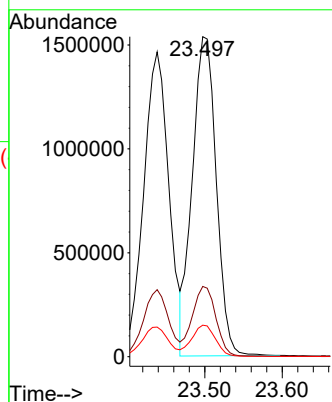
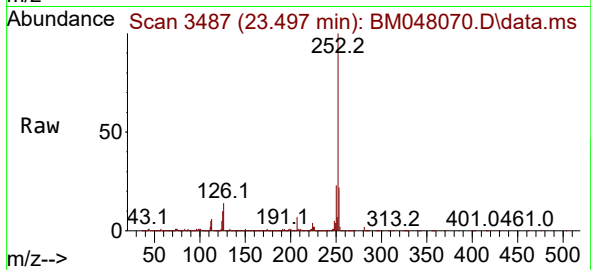
Tgt Ion:252 Resp: 3294765

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 9.9 8.9 13.3



#93

Benzo(a)pyrene

Concen: 36.135 ng/ul

RT: 24.244 min Scan# 3614

Delta R.T. 0.012 min

Lab File: BM048070.D

Acq: 15 Oct 2024 21:05

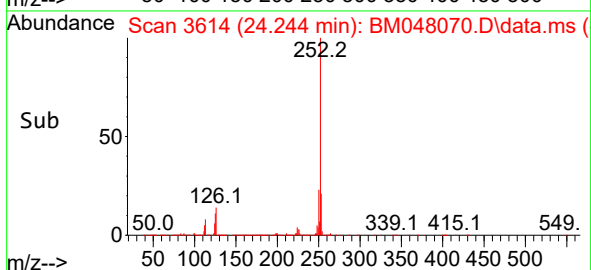
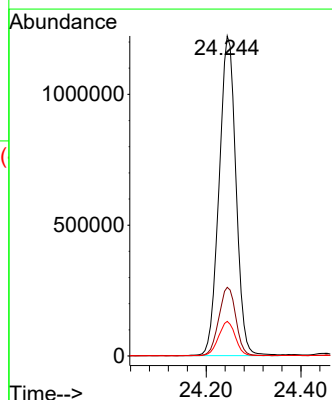
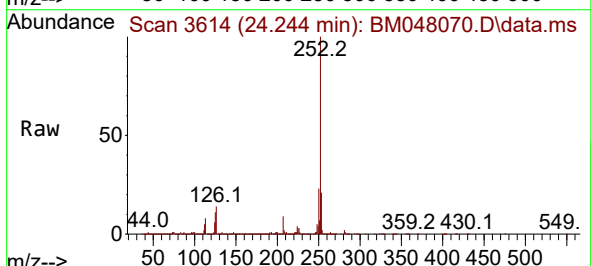
Tgt Ion:252 Resp: 3020146

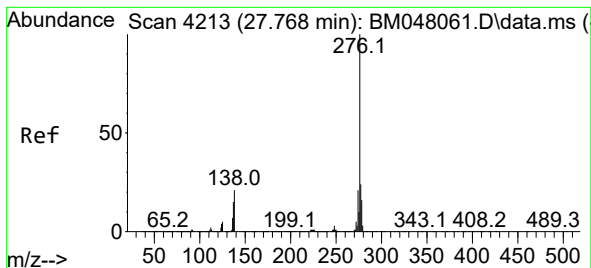
Ion Ratio Lower Upper

252 100

253 21.4 17.2 25.8

125 10.8 10.1 15.1





#94

Indeno(1,2,3-cd)pyrene

Concen: 37.032 ng/ul

RT: 27.768 min Scan# 4213

Delta R.T. 0.024 min

Lab File: BM048070.D

Acq: 15 Oct 2024 21:05

Instrument :

BNA_M

ClientSampleId :

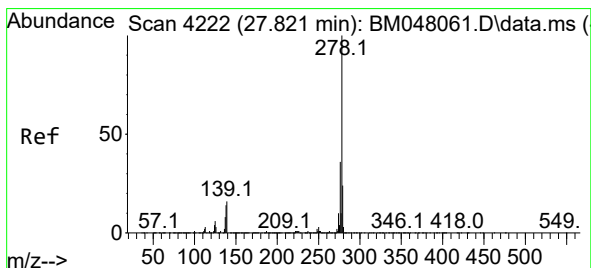
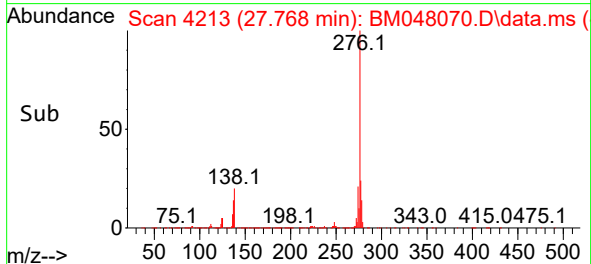
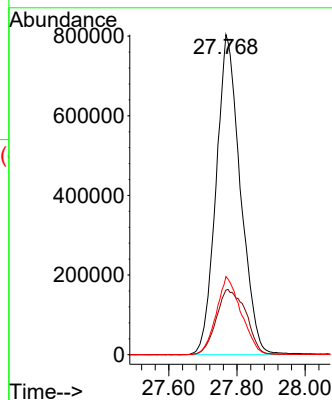
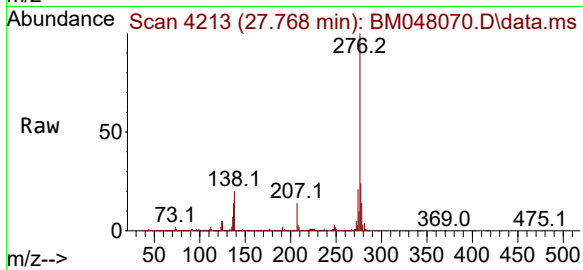
Tgt Ion:276 Resp: 3966450

Ion Ratio Lower Upper

276 100

138 20.2 16.9 25.3

277 24.4 18.9 28.3



#95

Dibenzo(a,h)anthracene

Concen: 36.607 ng/ul

RT: 27.821 min Scan# 4222

Delta R.T. 0.024 min

Lab File: BM048070.D

Acq: 15 Oct 2024 21:05

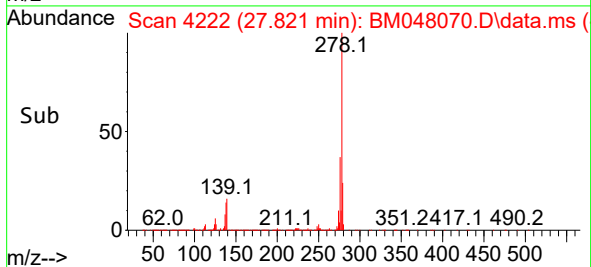
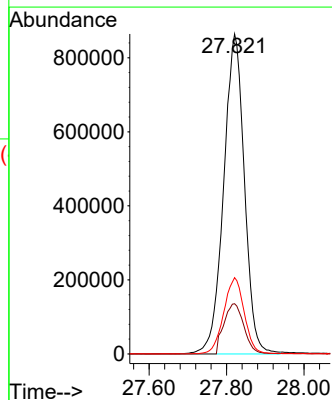
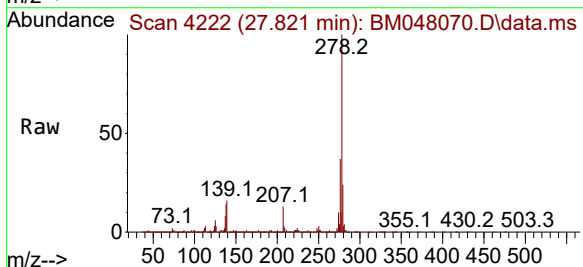
Tgt Ion:278 Resp: 3213300

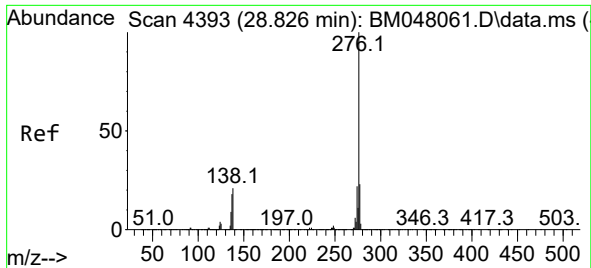
Ion Ratio Lower Upper

278 100

139 15.7 13.4 20.2

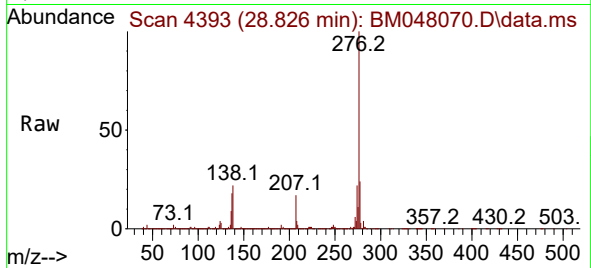
279 23.8 18.4 27.6





#96
 Benzo(g,h,i)perylene
 Concen: 36.819 ng/ul
 RT: 28.826 min Scan# 41
 Delta R.T. 0.035 min
 Lab File: BM048070.D
 Acq: 15 Oct 2024 21:05

Instrument :
 BNA_M
 ClientSampleId :



Tgt Ion:276 Resp: 3089843

Ion	Ratio	Lower	Upper
276	100		
138	21.9	18.7	28.1
277	24.1	18.3	27.5

