

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM030124\
 Data File : BM044475.D
 Acq On : 01 Mar 2024 17:52
 Operator : MA/JU
 Sample : PB159248BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 01 22:05:56 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM022324.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 01 16:56:24 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.075	152	180675	20.000	ng/u1	0.02
20) Naphthalene-d8	10.910	136	761575	20.000	ng/u1	0.03
38) Acenaphthene-d10	14.739	164	432457	20.000	ng/u1	0.02
64) Phenanthrene-d10	17.492	188	872788	20.000	ng/u1	0.02
79) Chrysene-d12	21.686	240	766797	20.000	ng/u1	0.02
88) Perylene-d12	24.227	264	824419	20.000	ng/u1	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.411	96	37419	6.534	ng/uL	0.01
4) Pyridine-d5	3.834	84	503020	32.165	ng/u1	0.00
7) Phenol-d5	7.234	99	582094	33.631	ng/u1	0.02
9) Bis-(2-Chloroethyl)eth...	7.416	67	377462	33.678	ng/u1	0.03
11) 2-Chlorophenol-d4	7.599	132	462275	35.462	ng/u1	0.03
15) 4-Methylphenol-d8	8.804	113	433970	33.137	ng/u1	0.03
21) Nitrobenzene-d5	9.263	128	220988	35.688	ng/u1	0.03
24) 2-Nitrophenol-d4	9.987	143	236600	37.451	ng/u1	0.02
28) 2,4-Dichlorophenol-d3	10.528	165	414211	37.169	ng/u1	0.03
31) 4-Chloroaniline-d4	11.063	131	512567	27.386	ng/u1	0.03
46) Dimethylphthalate-d6	14.169	166	1155299	34.639	ng/u1	0.02
49) Acenaphthylene-d8	14.433	160	1385476	36.104	ng/u1	0.02
54) 4-Nitrophenol-d4	14.951	143	228095	34.368	ng/u1	0.02
60) Fluorene-d10	15.733	176	1000364	35.436	ng/u1	0.02
65) 4,6-Dinitro-2-methylph...	15.863	200	185786	34.306	ng/u1	0.02
73) Anthracene-d10	17.592	188	1524929	36.643	ng/u1	0.02
81) Pyrene-d10	19.886	212	1742932	37.782	ng/u1	0.02
92) Benzo(a)pyrene-d12	24.062	264	1641981	38.869	ng/u1	0.03
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.446	88	81910	13.570	ng/uL	97
5) Pyridine	3.858	79	569941	34.835	ng/u1	97
6) Benzaldehyde	7.210	77	234929	31.269	ng/u1	99
8) Phenol	7.263	94	653471	36.322	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.510	93	529262	35.146	ng/u1	98
12) 2-Chlorophenol	7.628	128	510788	37.875	ng/u1	99
13) 2-Methylphenol	8.534	108	471326	35.559	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.616	45	715392	34.746	ng/u1	98
16) Acetophenone	8.922	105	760643	36.355	ng/u1	100
17) N-Nitroso-di-n-propyla...	8.910	70	387677	36.988	ng/u1	98
18) 4-Methylphenol	8.869	108	501049	35.487	ng/u1	98
19) Hexachloroethane	9.157	117	209325	36.587	ng/u1	98
22) Nitrobenzene	9.304	77	566839	37.851	ng/u1	99
23) Isophorone	9.840	82	1075052	37.041	ng/u1	99
25) 2-Nitrophenol	10.022	139	275789	39.361	ng/u1	99
26) 2,4-Dimethylphenol	10.087	107	408015	30.497	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.340	93	695835	36.879	ng/u1	100
29) 2,4-Dichlorophenol	10.557	162	431944	38.298	ng/u1	99
30) Naphthalene	10.957	128	1600758	36.958	ng/u1	100
32) 4-Chloroaniline	11.087	127	456646	25.038	ng/u1	99
33) Hexachlorobutadiene	11.240	225	253236	37.268	ng/u1	99
34) Caprolactam	11.875	113	144827	37.147	ng/u1	97
35) 4-Chloro-3-methylphenol	12.210	107	476122	39.624	ng/u1	100
36) 2-Methylnaphthalene	12.575	142	1031343	37.383	ng/u1	99

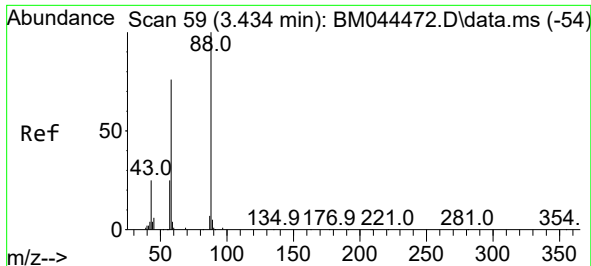
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.787	142	1007539	36.943	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.934	216	480333	37.520	ng/ul	99
40) Hexachlorocyclopentadiene	12.904	237	237576	27.583	ng/ul	98
41) 2,4,6-Trichlorophenol	13.181	196	292843	35.887	ng/ul	100
42) 2,4,5-Trichlorophenol	13.251	196	332477	37.690	ng/ul	98
43) 1,1'-Biphenyl	13.581	154	1295620	36.800	ng/ul	99
44) 2-Chloronaphthalene	13.622	162	1028068	37.293	ng/ul	100
45) 2-Nitroaniline	13.839	65	310733	40.712	ng/ul	97
47) Dimethylphthalate	14.216	163	1265004	37.110	ng/ul	100
48) 2,6-Dinitrotoluene	14.339	165	255619	40.097	ng/ul	96
50) Acenaphthylene	14.463	152	1692879	37.245	ng/ul	100
51) 3-Nitroaniline	14.663	138	262648	39.053	ng/ul	96
52) Acenaphthene	14.804	153	1108746	36.950	ng/ul	98
53) 2,4-Dinitrophenol	14.869	184	127944	32.343	ng/ul	98
55) 4-Nitrophenol	14.963	109	170830	37.468	ng/ul	97
56) Dibenzofuran	15.139	168	1487394	36.925	ng/ul	100
57) 2,4-Dinitrotoluene	15.116	165	371656	40.580	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.363	232	235686	33.199	ng/ul	100
59) Diethylphthalate	15.580	149	1316618	37.522	ng/ul	100
61) Fluorene	15.792	166	1209900	37.397	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.792	204	571892	37.507	ng/ul	99
63) 4-Nitroaniline	15.822	138	290432	44.649	ng/ul	99
66) 4,6-Dinitro-2-methylph...	15.875	198	211967	35.780	ng/ul	95
67) N-Nitrosodiphenylamine	16.010	169	1019605	38.549	ng/ul	99
68) 4-Bromophenyl-phenylether	16.686	248	339769	39.181	ng/ul	98
69) Hexachlorobenzene	16.786	284	386270	38.918	ng/ul	99
70) Atrazine	16.969	200	78837	9.099	ng/ul	99
71) Pentachlorophenol	17.139	266	191026	29.205	ng/ul	99
72) Phenanthrene	17.539	178	1925086	38.449	ng/ul	99
74) Anthracene	17.627	178	1931544	38.316	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.539	216	475740	38.940	ng/uL	98
76) Pentachlorobenzene	15.051	250	448579	38.461	ng/uL	99
77) Carbazole	17.910	167	1851433	39.059	ng/ul	99
78) Di-n-butylphthalate	18.486	149	2400268	39.993	ng/ul	100
80) Fluoranthene	19.551	202	2201297	39.787	ng/ul	99
82) Pyrene	19.915	202	2311767	39.842	ng/ul	99
83) Butylbenzylphthalate	20.833	149	1095004	42.016	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.609	252	588215	34.295	ng/ul	100
85) Benzo(a)anthracene	21.674	228	2241350	39.192	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.615	149	1694471	42.468	ng/ul	99
87) Chrysene	21.727	228	2124410	39.519	ng/ul	99
89) Di-n-octyl phthalate	22.604	149	2914263	41.258	ng/ul	100
90) Benzo(b)fluoranthene	23.445	252	2208820	41.792	ng/ul	100
91) Benzo(k)fluoranthene	23.503	252	2199015	40.510	ng/ul	99
93) Benzo(a)pyrene	24.115	252	2064646	40.518	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.915	276	2453589	39.817	ng/ul	98
95) Dibenzo(a,h)anthracene	26.950	278	2057578	39.957	ng/ul	99
96) Benzo(g,h,i)perylene	27.744	276	1991932	39.961	ng/ul	98

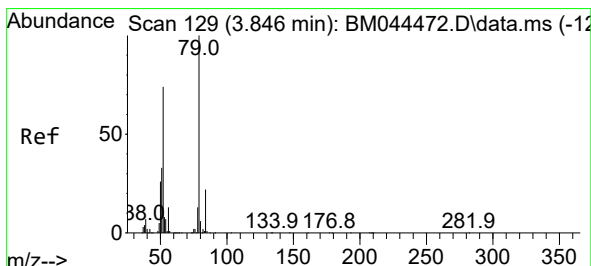
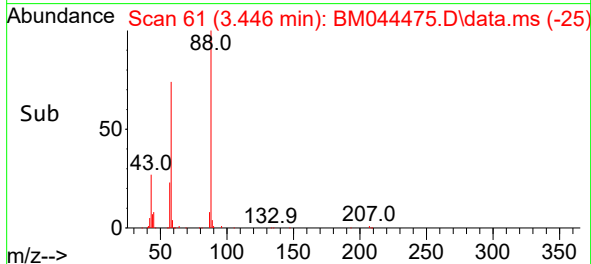
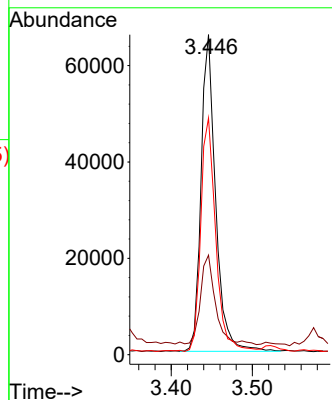
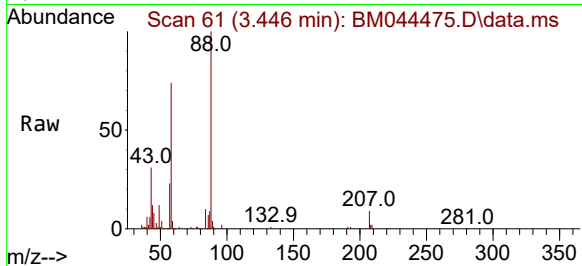
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#2
1,4-Dioxane
Concen: 13.570 ng/uL
RT: 3.446 min Scan# 61
Delta R.T. 0.012 min
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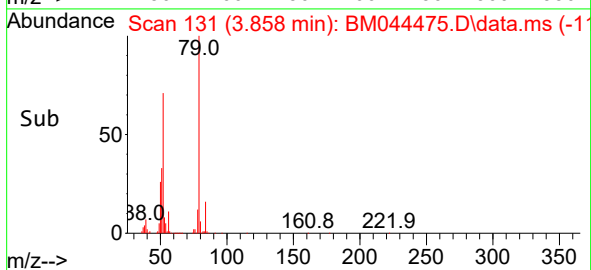
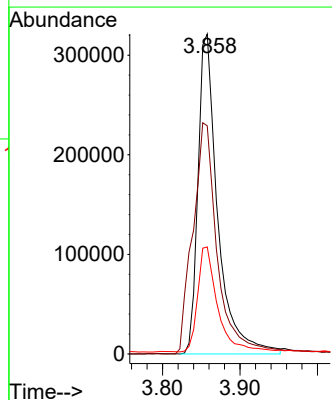
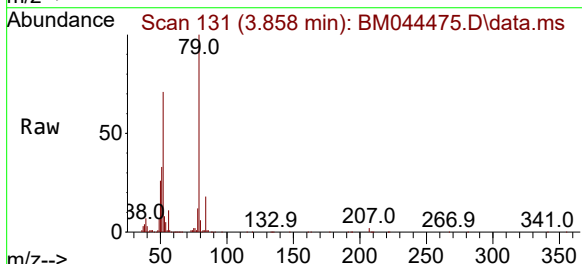
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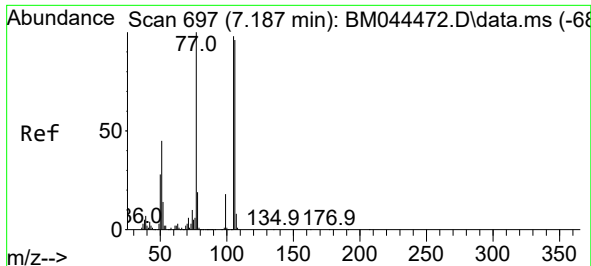
Tgt Ion:	88	Resp:	81910
Ion	Ratio	Lower	Upper
88	100		
43	31.1	21.2	31.8
58	73.9	58.3	87.5



#5
Pyridine
Concen: 34.835 ng/uL
RT: 3.858 min Scan# 131
Delta R.T. 0.012 min
Lab File: BM044475.D
Acq: 01 Mar 2024 17:52

Tgt Ion:	79	Resp:	569941
Ion	Ratio	Lower	Upper
79	100		
52	71.3	58.9	88.3
51	33.4	27.8	41.8

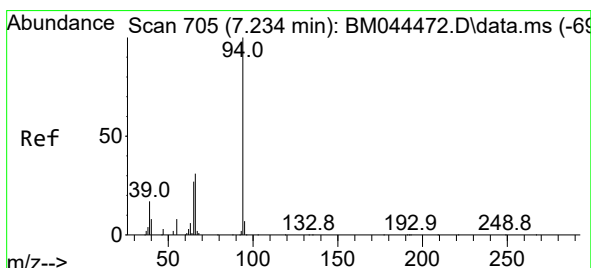
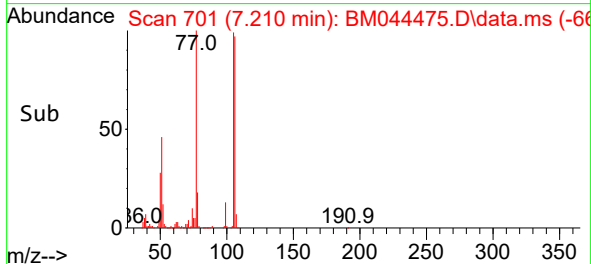
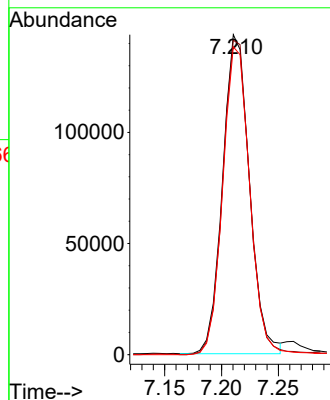
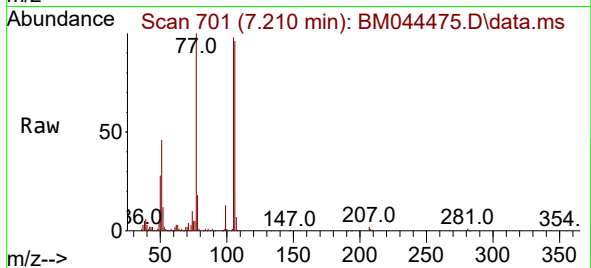




#6
Benzaldehyde
Concen: 31.269 ng/ul
RT: 7.210 min Scan# 710
Delta R.T. 0.024 min
Lab File: BM044475.D
Acq: 01 Mar 2024 17:52

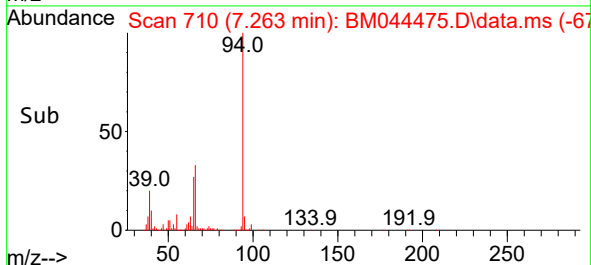
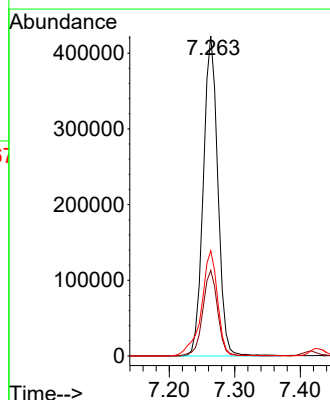
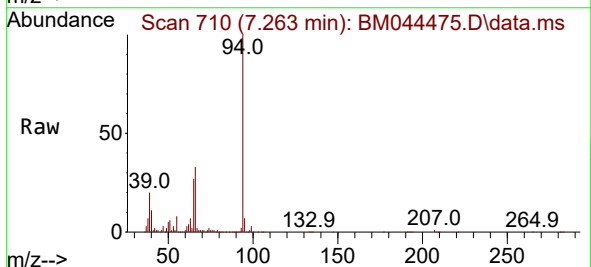
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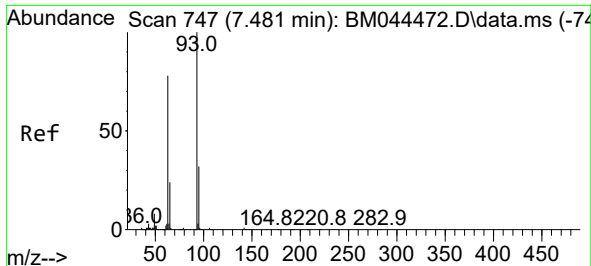
Tgt Ion: 77 Resp: 234929
Ion Ratio Lower Upper
77 100
105 98.3 79.0 118.6
106 96.2 77.4 116.2



#8
Phenol
Concen: 36.322 ng/ul
RT: 7.263 min Scan# 710
Delta R.T. 0.030 min
Lab File: BM044475.D
Acq: 01 Mar 2024 17:52

Tgt Ion: 94 Resp: 653471
Ion Ratio Lower Upper
94 100
65 26.8 20.6 31.0
66 32.9 25.4 38.0

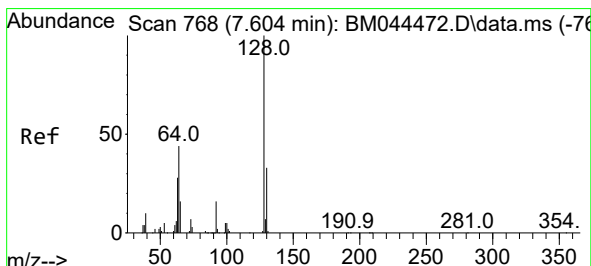
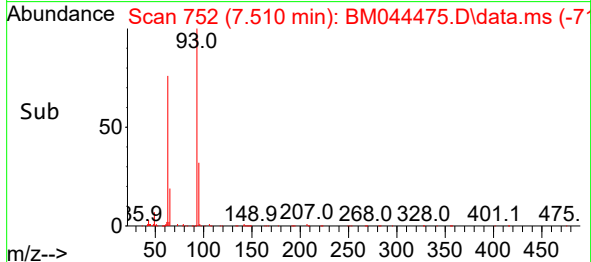
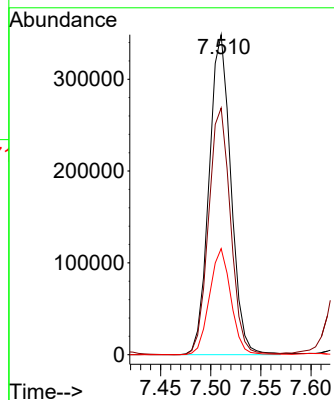
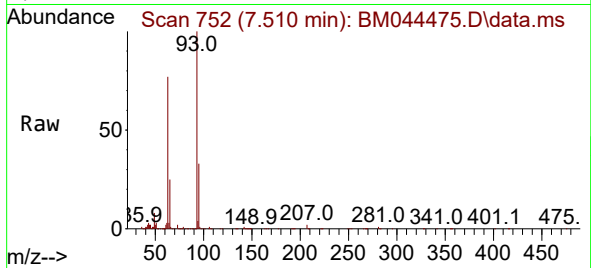




#10
Bis(2-Chloroethyl)ether
Concen: 35.146 ng/ul
RT: 7.510 min Scan# 710
Delta R.T. 0.030 min
Lab File: BM044475.D
Acq: 01 Mar 2024 17:52

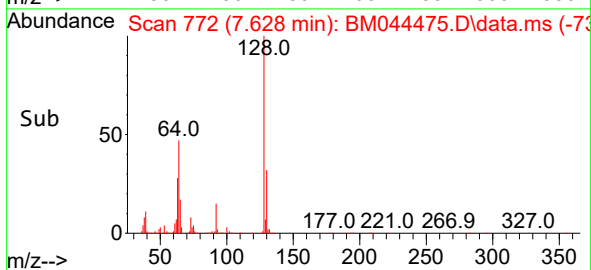
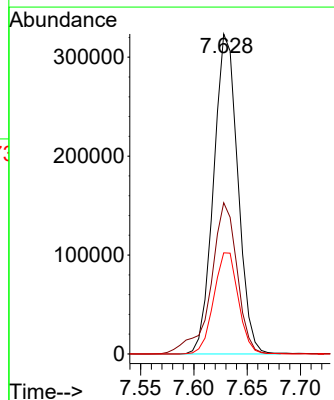
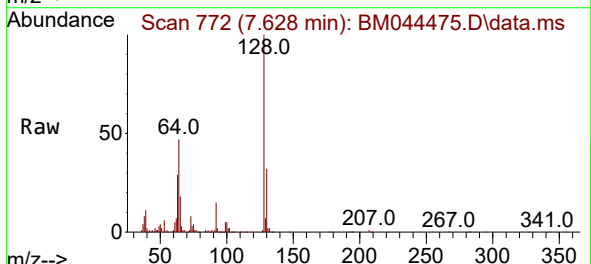
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ClientSampleId :

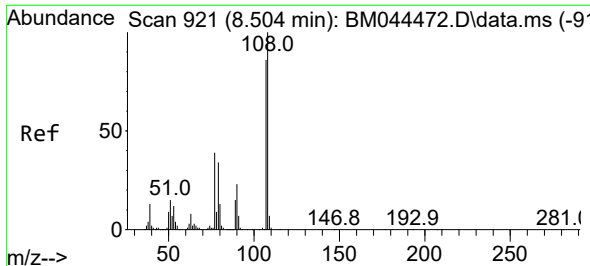
Tgt Ion: 93 Resp: 529262
Ion Ratio Lower Upper
93 100
63 77.1 61.0 91.6
95 33.2 25.1 37.7



#12
2-Chlorophenol
Concen: 37.875 ng/ul
RT: 7.628 min Scan# 772
Delta R.T. 0.024 min
Lab File: BM044475.D
Acq: 01 Mar 2024 17:52

Tgt Ion:128 Resp: 510788
Ion Ratio Lower Upper
128 100
64 47.2 39.0 58.6
130 31.6 25.4 38.0

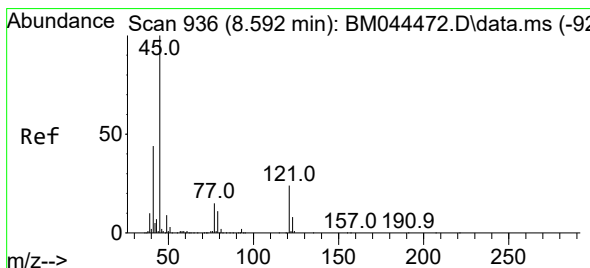
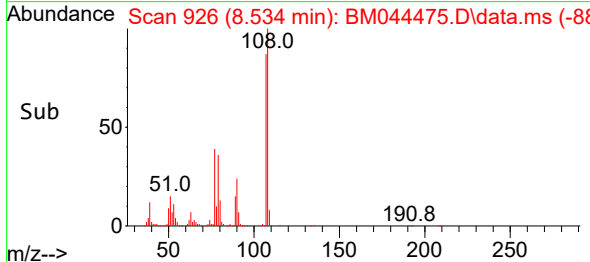
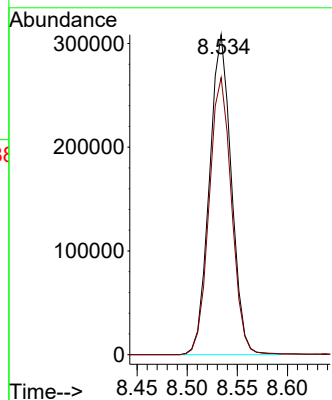
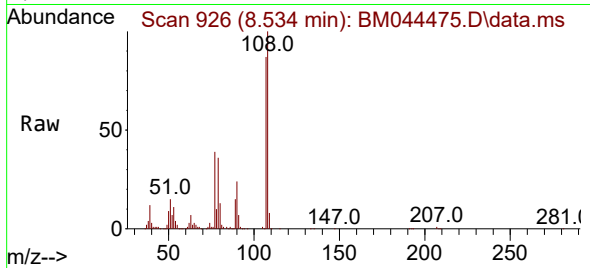




#13
2-Methylphenol
Concen: 35.559 ng/ul
RT: 8.534 min Scan# 91
Delta R.T. 0.030 min
Lab File: BM044475.D
Acq: 01 Mar 2024 17:52

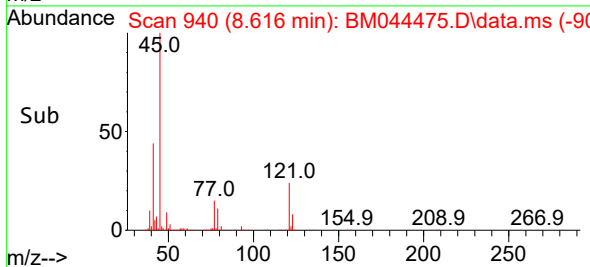
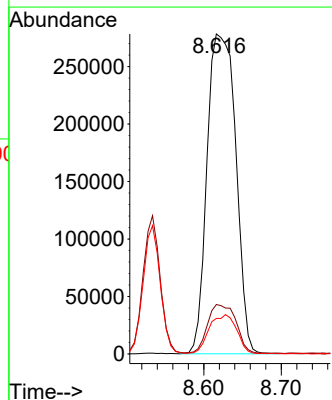
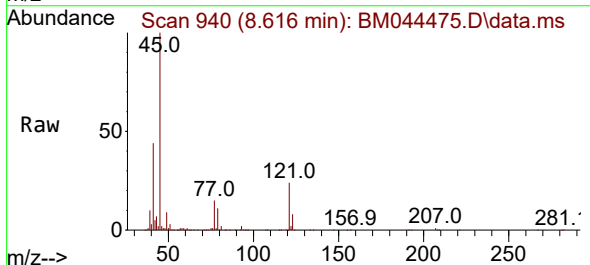
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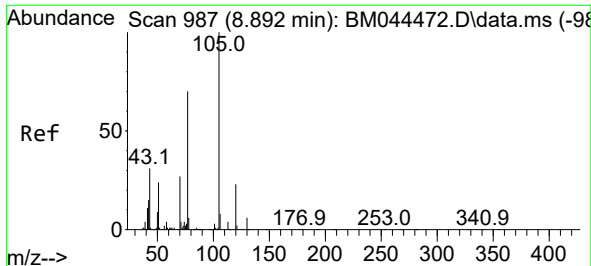
Tgt Ion:108 Resp: 471326
Ion Ratio Lower Upper
108 100
107 86.6 70.6 105.8



#14
2,2'-oxybis(1-Chloropropane)
Concen: 34.746 ng/ul
RT: 8.616 min Scan# 940
Delta R.T. 0.024 min
Lab File: BM044475.D
Acq: 01 Mar 2024 17:52

Tgt Ion: 45 Resp: 715392
Ion Ratio Lower Upper
45 100
77 15.5 11.3 16.9
79 11.1 8.5 12.7

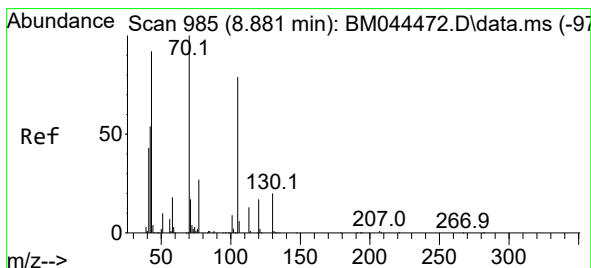
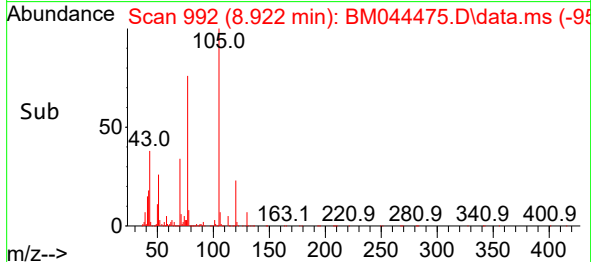
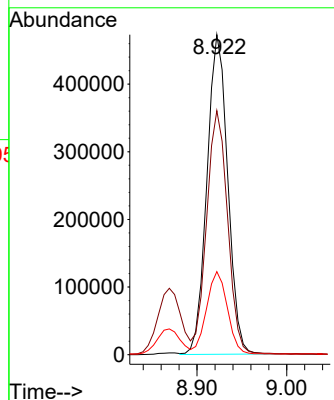
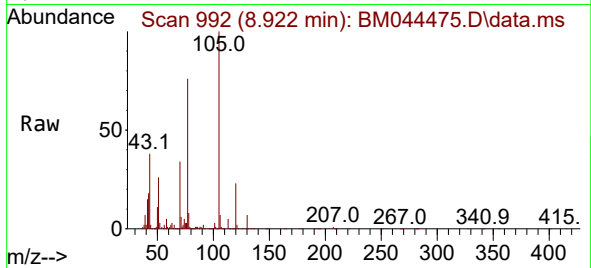




#16
Acetophenone
Concen: 36.355 ng/ul
RT: 8.922 min Scan# 990
Delta R.T. 0.030 min
Lab File: BM044475.D
Acq: 01 Mar 2024 17:52

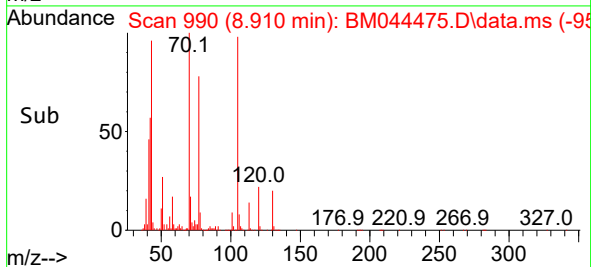
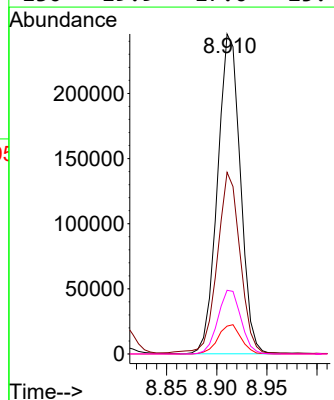
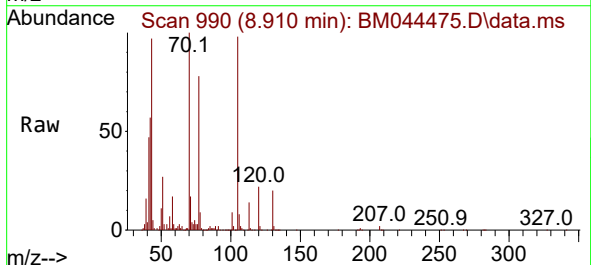
Instrument :
BNA_M
ClientSampleId :

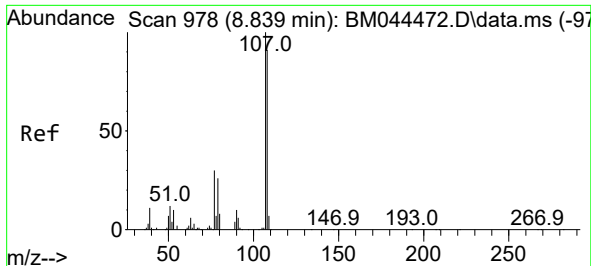
Tgt Ion:105 Resp: 760643
Ion Ratio Lower Upper
105 100
77 76.2 61.2 91.8
51 25.9 21.1 31.7



#17
N-Nitroso-di-n-propylamine
Concen: 36.988 ng/ul
RT: 8.910 min Scan# 990
Delta R.T. 0.030 min
Lab File: BM044475.D
Acq: 01 Mar 2024 17:52

Tgt Ion: 70 Resp: 387677
Ion Ratio Lower Upper
70 100
42 56.8 44.4 66.6
101 8.7 7.5 11.3
130 19.9 17.0 25.4





#18

4-Methylphenol

Concen: 35.487 ng/ul

RT: 8.869 min Scan# 91

Delta R.T. 0.030 min

Lab File: BM044475.D

Acq: 01 Mar 2024 17:52

Instrument :

BNA_M

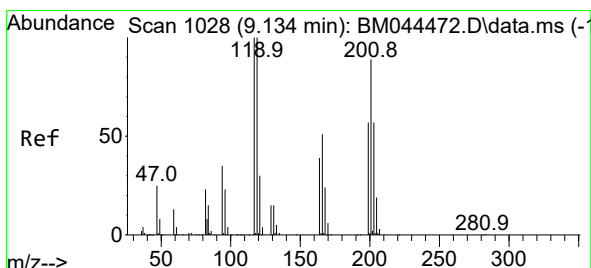
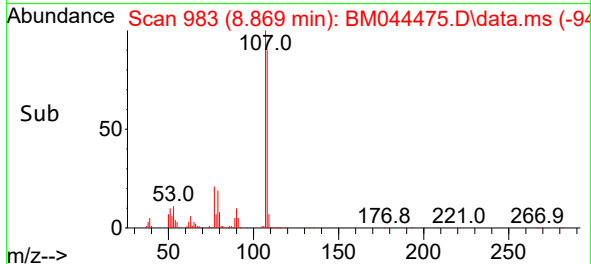
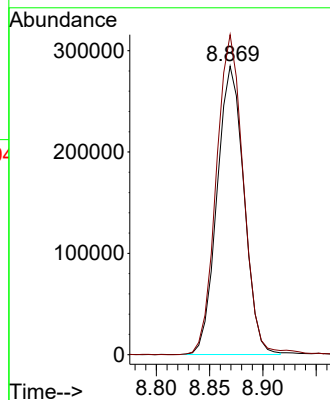
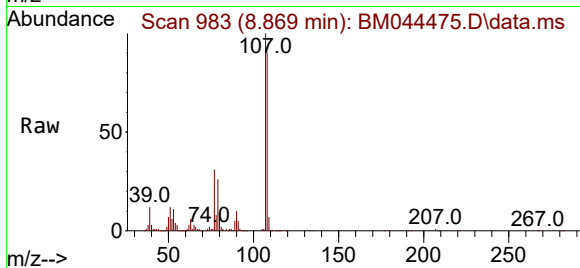
ClientSampleId :

Tgt Ion:108 Resp: 501049

Ion Ratio Lower Upper

108 100

107 110.9 86.8 130.2



#19

Hexachloroethane

Concen: 36.587 ng/ul

RT: 9.157 min Scan# 1032

Delta R.T. 0.024 min

Lab File: BM044475.D

Acq: 01 Mar 2024 17:52

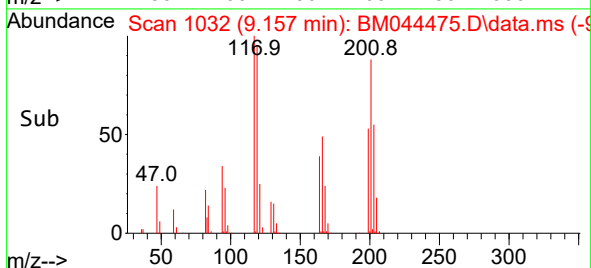
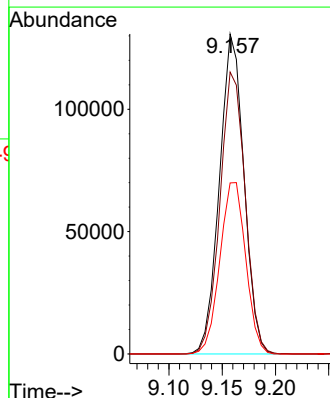
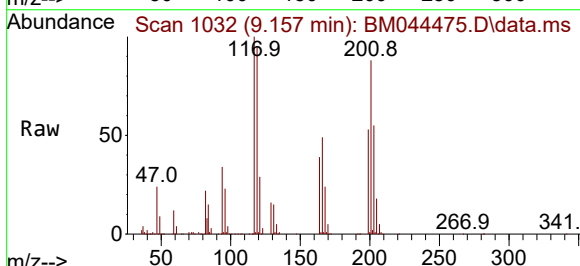
Tgt Ion:117 Resp: 209325

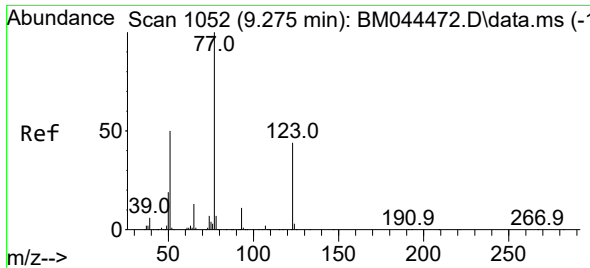
Ion Ratio Lower Upper

117 100

201 88.1 69.8 104.6

199 53.5 40.8 61.2

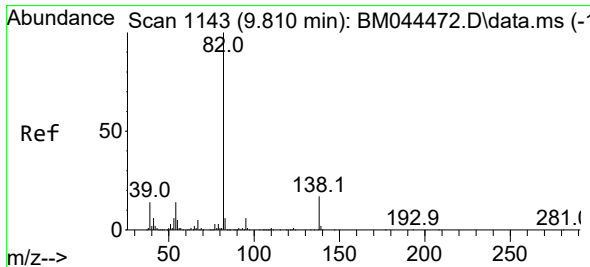
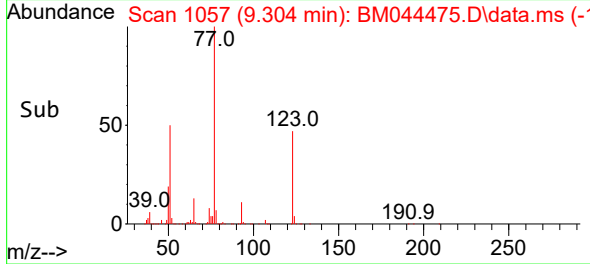
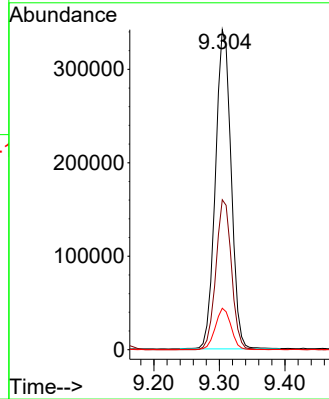
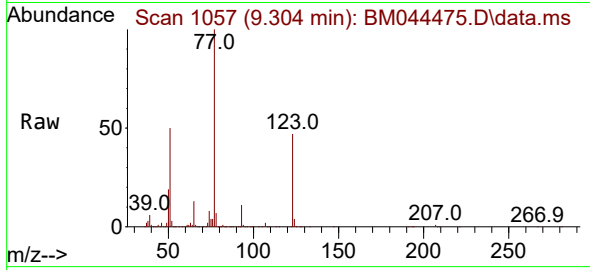




#22
Nitrobenzene
Concen: 37.851 ng/ul
RT: 9.304 min Scan# 1057
Delta R.T. 0.030 min
Lab File: BM044475.D
Acq: 01 Mar 2024 17:52

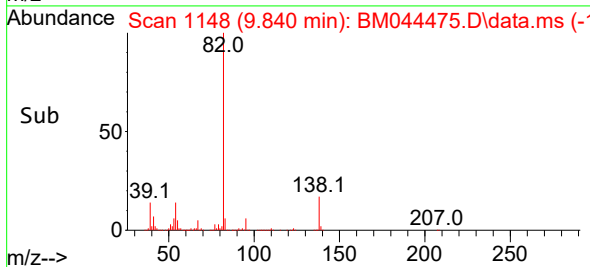
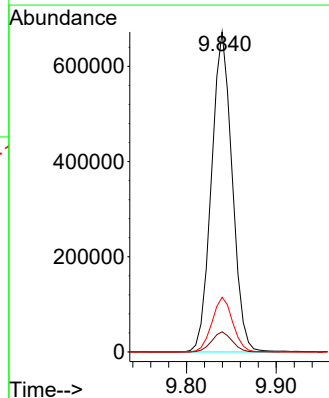
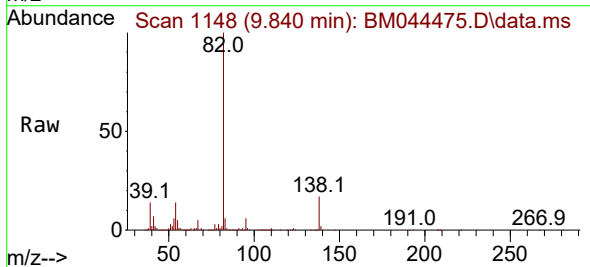
Instrument :
BNA_M
ClientSampleId :

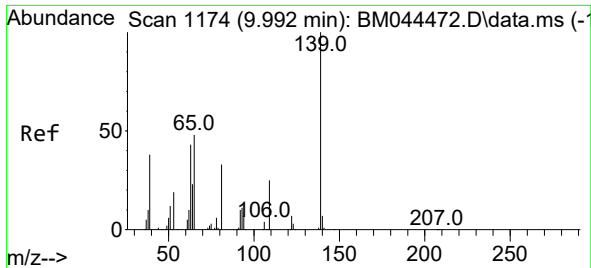
Tgt Ion: 77 Resp: 566839
Ion Ratio Lower Upper
77 100
123 46.8 36.9 55.3
65 13.0 10.2 15.2



#23
Isophorone
Concen: 37.041 ng/ul
RT: 9.840 min Scan# 1148
Delta R.T. 0.030 min
Lab File: BM044475.D
Acq: 01 Mar 2024 17:52

Tgt Ion: 82 Resp: 1075052
Ion Ratio Lower Upper
82 100
95 6.3 4.6 7.0
138 17.1 13.5 20.3

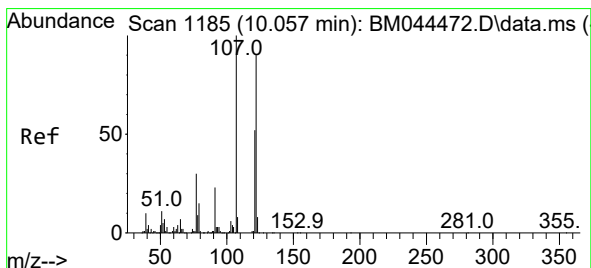
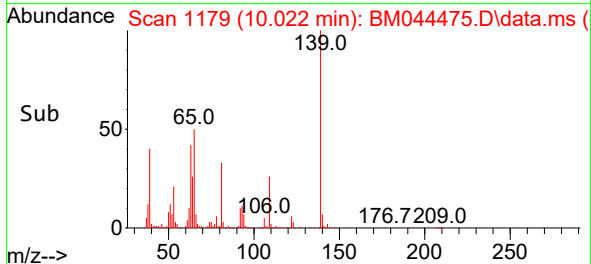
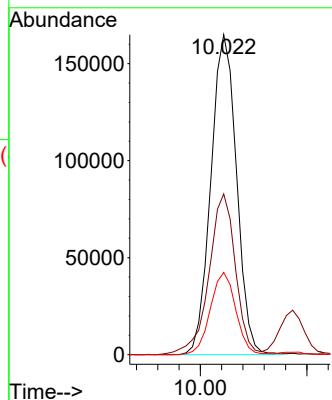
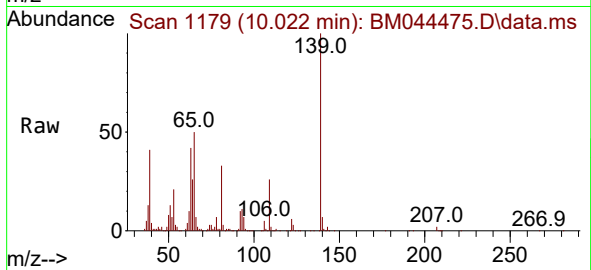




#25
2-Nitrophenol
Concen: 39.361 ng/ul
RT: 10.022 min Scan# 1179
Delta R.T. 0.030 min
Lab File: BM044475.D
Acq: 01 Mar 2024 17:52

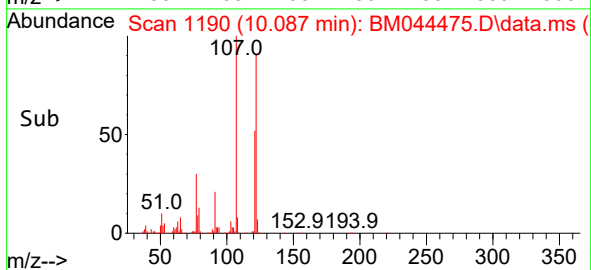
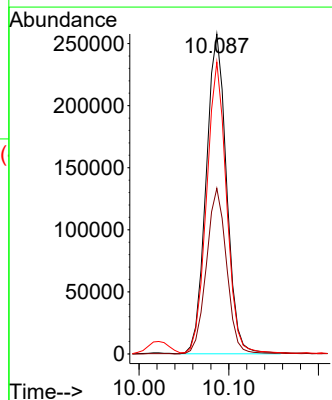
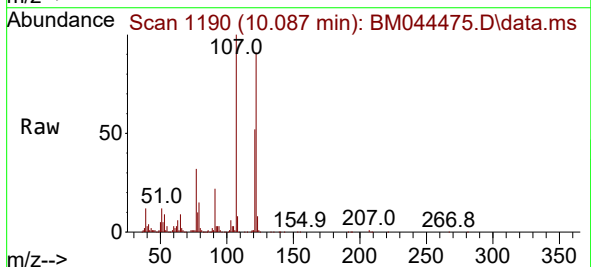
Instrument :
BNA_M
ClientSampleId :

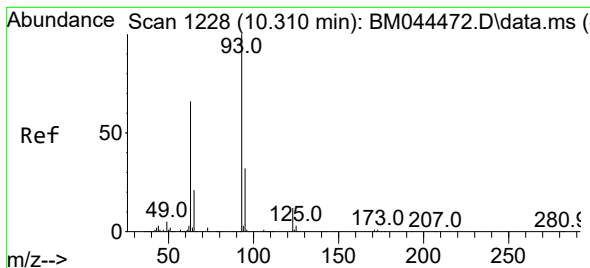
Tgt Ion:139 Resp: 275789
Ion Ratio Lower Upper
139 100
65 50.2 41.0 61.4
109 25.7 20.5 30.7



#26
2,4-Dimethylphenol
Concen: 30.497 ng/ul
RT: 10.087 min Scan# 1190
Delta R.T. 0.030 min
Lab File: BM044475.D
Acq: 01 Mar 2024 17:52

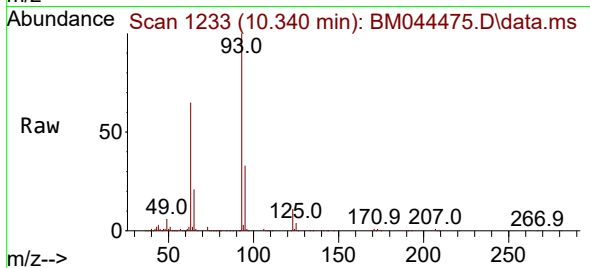
Tgt Ion:107 Resp: 408015
Ion Ratio Lower Upper
107 100
121 51.8 41.1 61.7
122 91.2 72.3 108.5



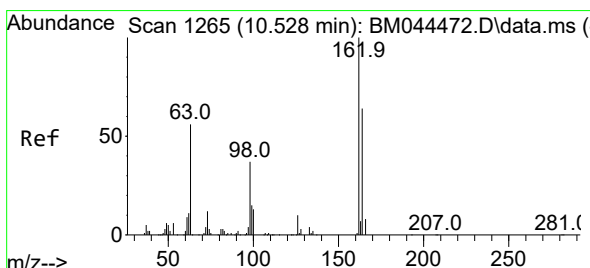
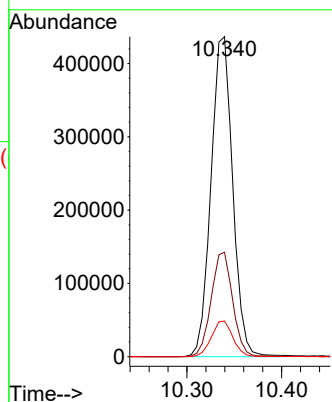
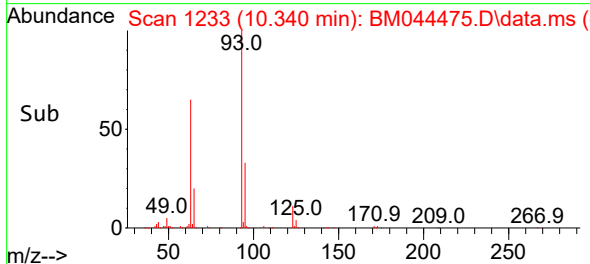


#27
Bis(2-Chloroethoxy)methane
Concen: 36.879 ng/ul
RT: 10.340 min Scan# 1233
Delta R.T. 0.030 min
Lab File: BM044475.D
Acq: 01 Mar 2024 17:52

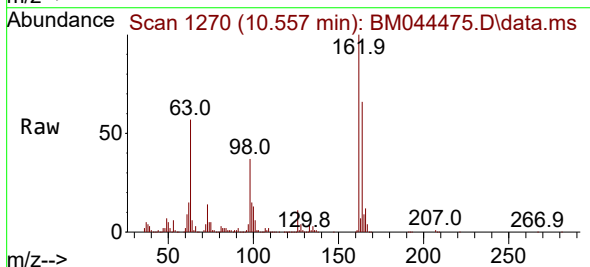
Instrument :
BNA_M
ClientSampleId :



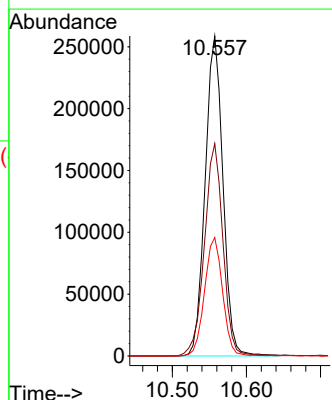
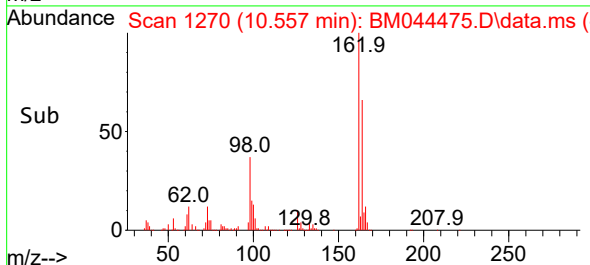
Tgt Ion: 93 Resp: 695835
Ion Ratio Lower Upper
93 100
95 32.6 26.0 39.0
123 11.1 9.0 13.6

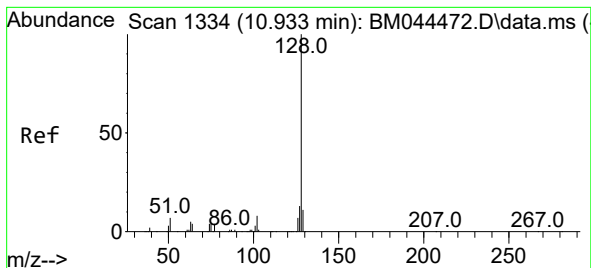


#29
2,4-Dichlorophenol
Concen: 38.298 ng/ul
RT: 10.557 min Scan# 1270
Delta R.T. 0.030 min
Lab File: BM044475.D
Acq: 01 Mar 2024 17:52



Tgt Ion: 162 Resp: 431944
Ion Ratio Lower Upper
162 100
164 66.4 51.8 77.8
98 37.0 29.6 44.4





#30

Naphthalene

Concen: 36.958 ng/ul

RT: 10.957 min Scan# 1338

Delta R.T. 0.024 min

Lab File: BM044475.D

Acq: 01 Mar 2024 17:52

Instrument :

BNA_M

ClientSampleId :

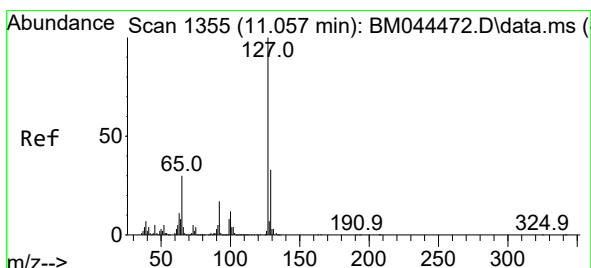
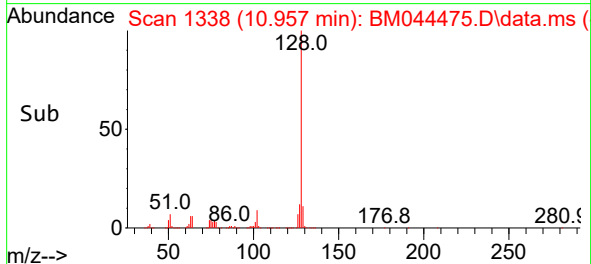
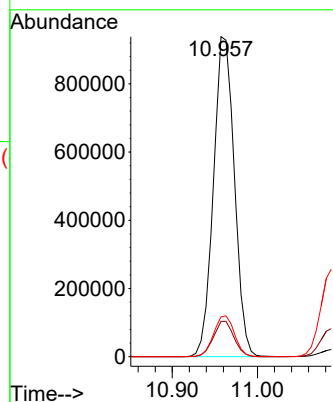
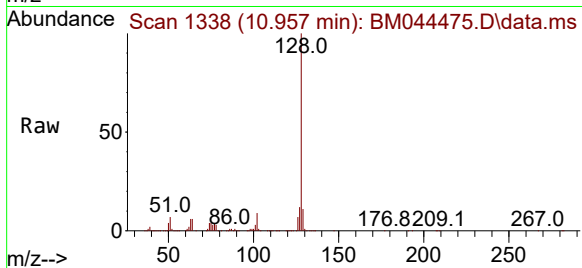
Tgt Ion:128 Resp: 1600758

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

127 12.5 10.2 15.2



#32

4-Chloroaniline

Concen: 25.038 ng/ul

RT: 11.087 min Scan# 1360

Delta R.T. 0.030 min

Lab File: BM044475.D

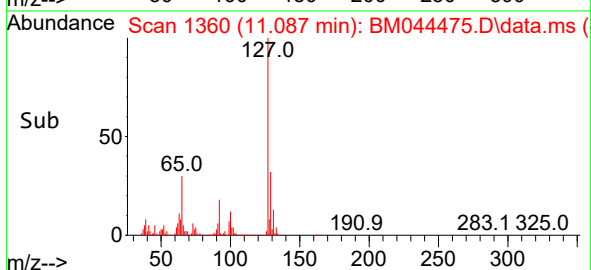
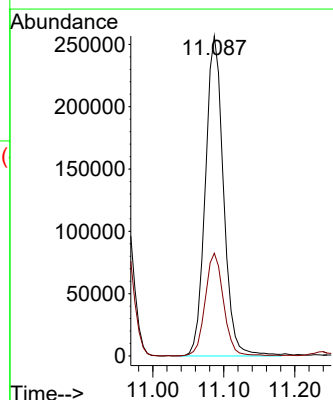
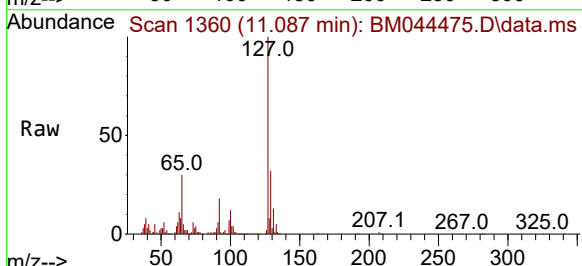
Acq: 01 Mar 2024 17:52

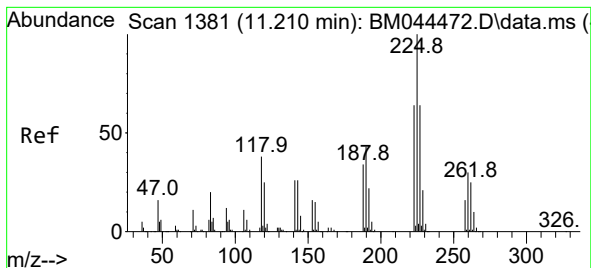
Tgt Ion:127 Resp: 456646

Ion Ratio Lower Upper

127 100

129 32.1 25.3 37.9





#33

Hexachlorobutadiene

Concen: 37.268 ng/ul

RT: 11.240 min Scan# 1

Delta R.T. 0.030 min

Lab File: BM044475.D

Acq: 01 Mar 2024 17:52

Instrument :

BNA_M

ClientSampleId :

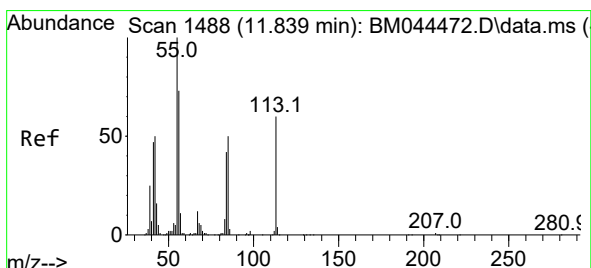
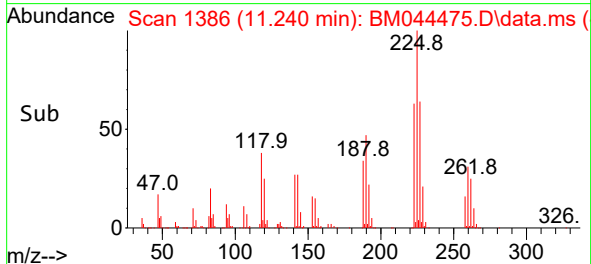
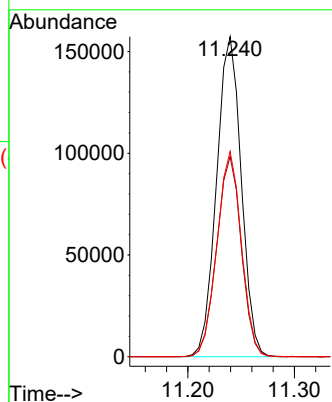
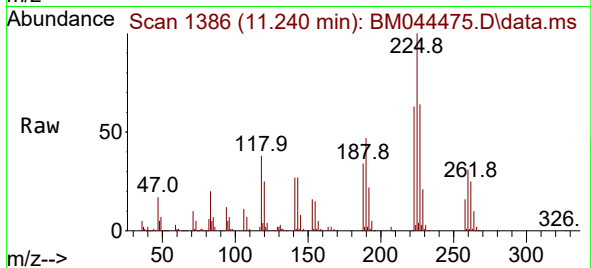
Tgt Ion:225 Resp: 253236

Ion Ratio Lower Upper

225 100

223 62.5 49.7 74.5

227 64.2 52.2 78.2



#34

Caprolactam

Concen: 37.147 ng/ul

RT: 11.875 min Scan# 1494

Delta R.T. 0.036 min

Lab File: BM044475.D

Acq: 01 Mar 2024 17:52

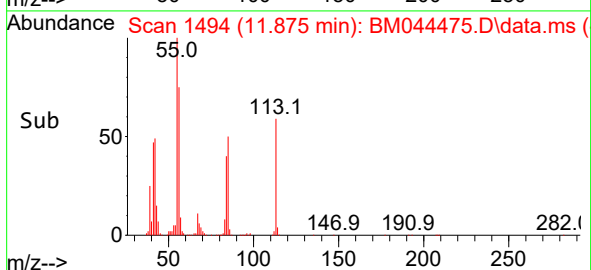
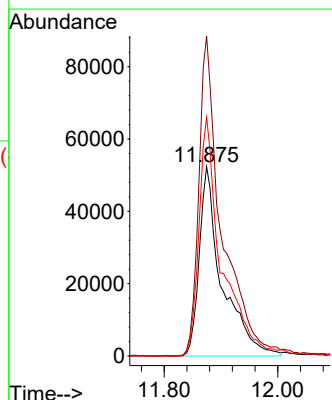
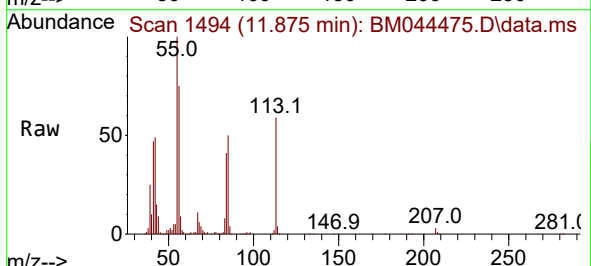
Tgt Ion:113 Resp: 144827

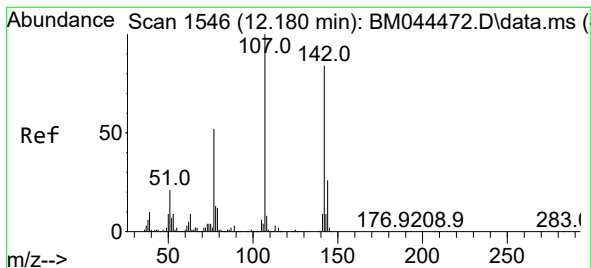
Ion Ratio Lower Upper

113 100

55 169.3 140.7 211.1

56 126.1 102.4 153.6

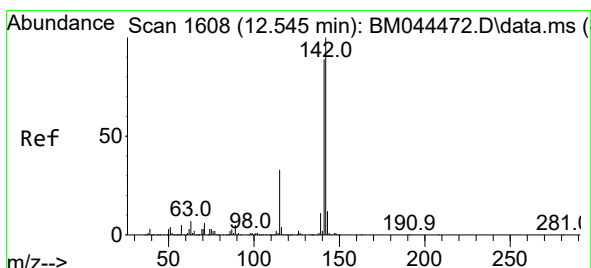
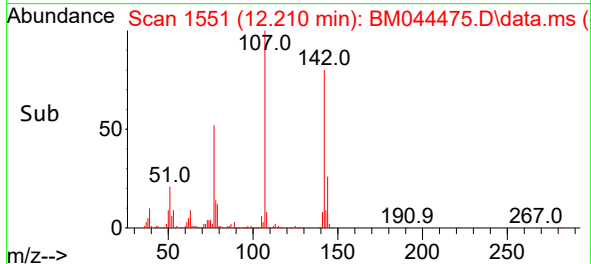
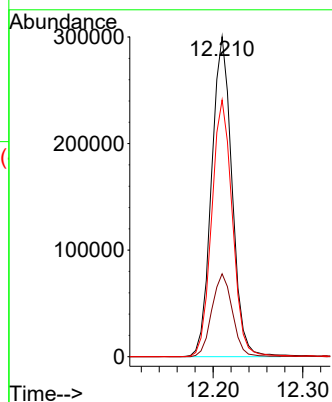
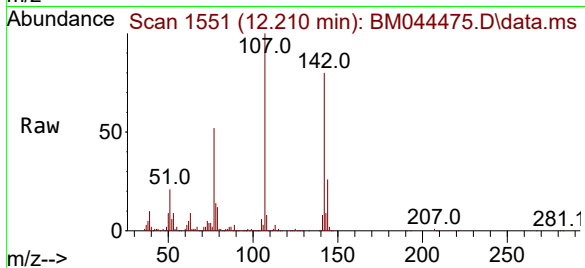




#35
4-Chloro-3-methylphenol
Concen: 39.624 ng/ul
RT: 12.210 min Scan# 1
Delta R.T. 0.030 min
Lab File: BM044475.D
Acq: 01 Mar 2024 17:52

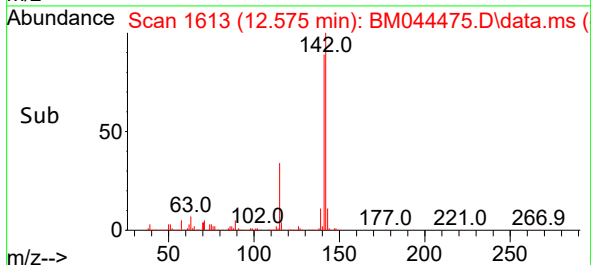
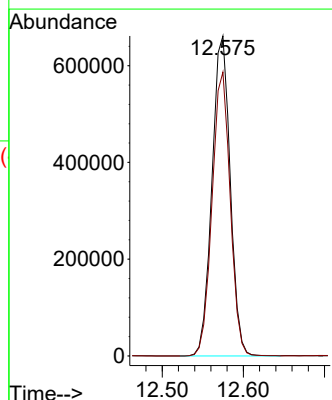
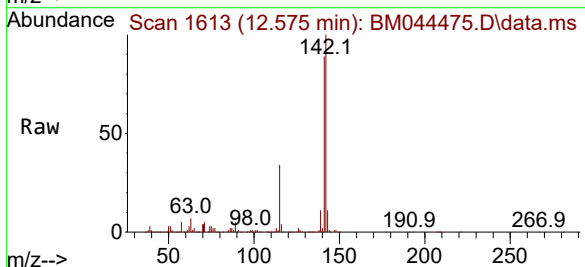
Instrument :
BNA_M
ClientSampleId :

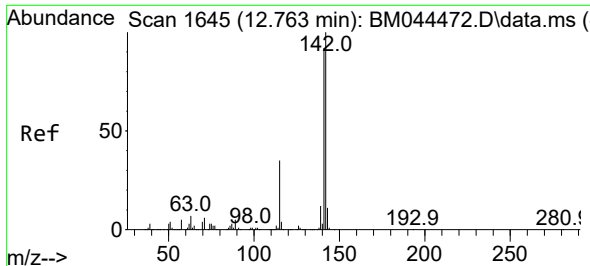
Tgt Ion:107 Resp: 476122
Ion Ratio Lower Upper
107 100
144 25.9 20.6 30.8
142 80.3 64.3 96.5



#36
2-Methylnaphthalene
Concen: 37.383 ng/ul
RT: 12.575 min Scan# 1613
Delta R.T. 0.030 min
Lab File: BM044475.D
Acq: 01 Mar 2024 17:52

Tgt Ion:142 Resp: 1031343
Ion Ratio Lower Upper
142 100
141 88.7 70.5 105.7





#37

1-Methylnaphthalene

Concen: 36.943 ng/ul

RT: 12.787 min Scan# 1

Delta R.T. 0.024 min

Lab File: BM044475.D

Acq: 01 Mar 2024 17:52

Instrument :

BNA_M

ClientSampleId :

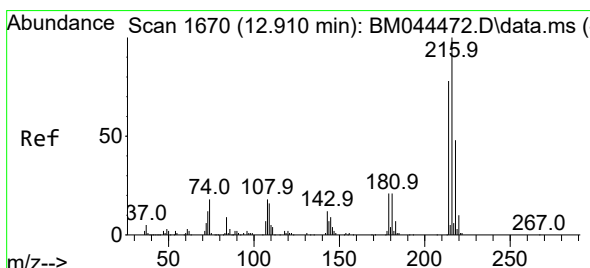
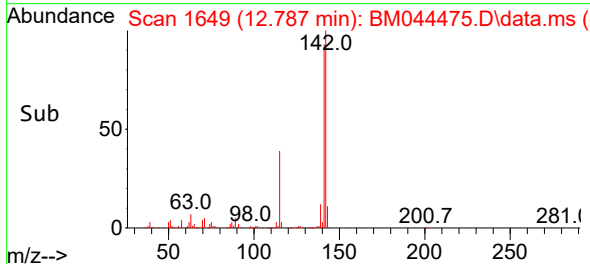
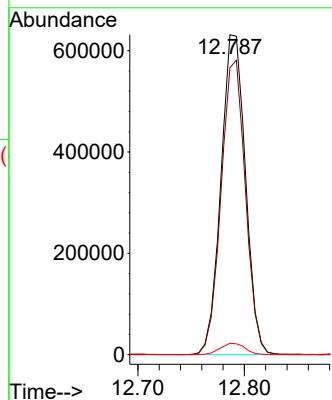
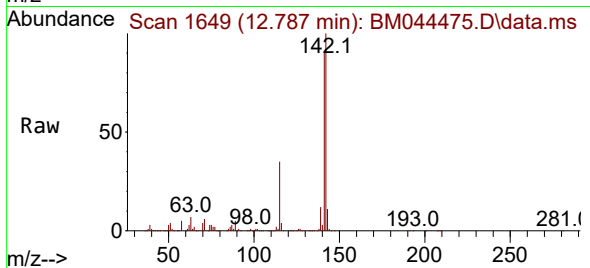
Tgt Ion:142 Resp: 1007539

Ion Ratio Lower Upper

142 100

141 89.7 73.0 109.4

116 3.6 2.7 4.1



#39

1,2,4,5-Tetrachlorobenzene

Concen: 37.520 ng/ul

RT: 12.934 min Scan# 1674

Delta R.T. 0.024 min

Lab File: BM044475.D

Acq: 01 Mar 2024 17:52

Tgt Ion:216 Resp: 480333

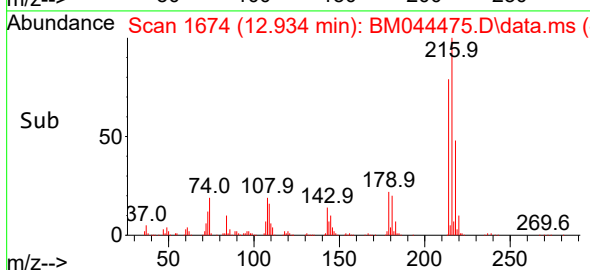
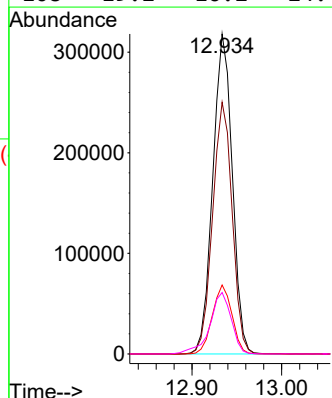
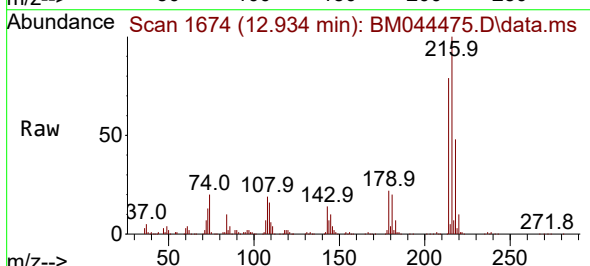
Ion Ratio Lower Upper

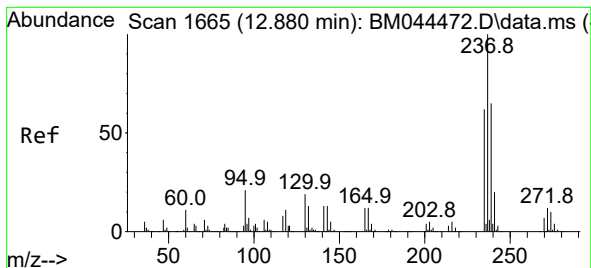
216 100

214 78.6 63.9 95.9

179 21.5 17.5 26.3

108 19.2 16.2 24.4

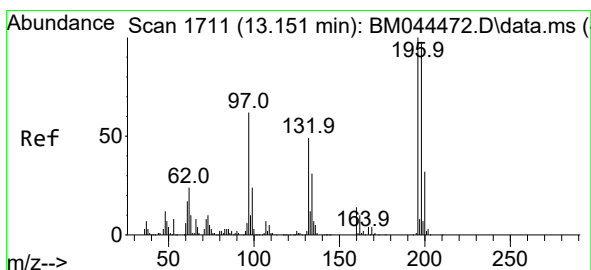
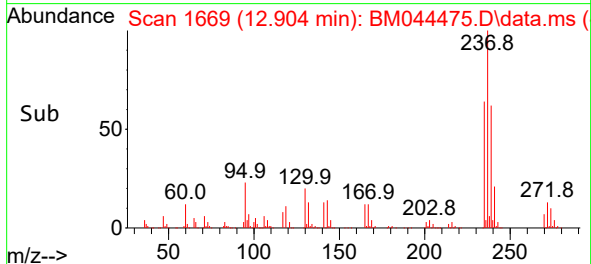
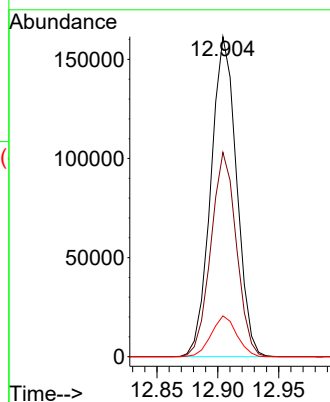
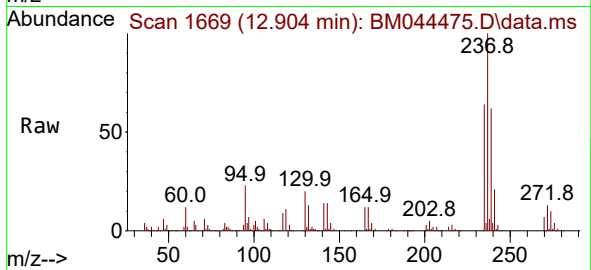




#40
Hexachlorocyclopentadiene
Concen: 27.583 ng/ul
RT: 12.904 min Scan# 1
Delta R.T. 0.024 min
Lab File: BM044475.D
Acq: 01 Mar 2024 17:52

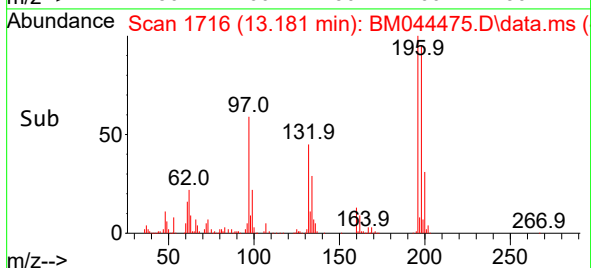
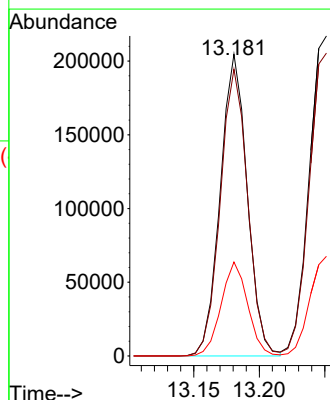
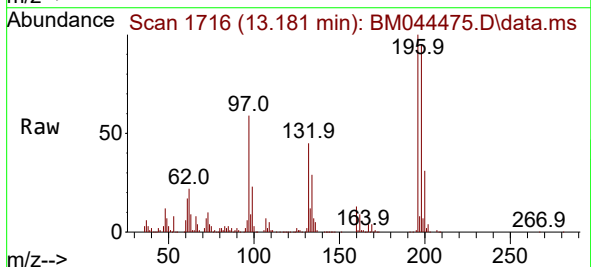
Instrument :
BNA_M
ClientSampleId :

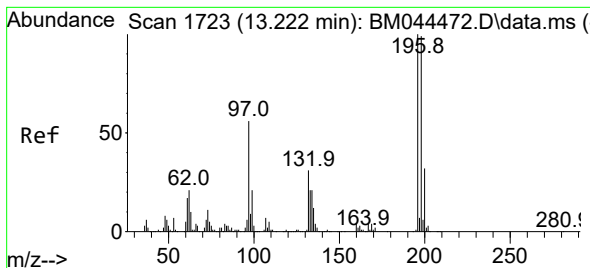
Tgt Ion:237 Resp: 237576
Ion Ratio Lower Upper
237 100
235 63.9 49.4 74.2
272 12.8 10.6 16.0



#41
2,4,6-Trichlorophenol
Concen: 35.887 ng/ul
RT: 13.181 min Scan# 1716
Delta R.T. 0.030 min
Lab File: BM044475.D
Acq: 01 Mar 2024 17:52

Tgt Ion:196 Resp: 292843
Ion Ratio Lower Upper
196 100
198 95.1 76.1 114.1
200 31.1 25.1 37.7





#42

2,4,5-Trichlorophenol

Concen: 37.690 ng/ul

RT: 13.251 min Scan# 1

Delta R.T. 0.030 min

Lab File: BM044475.D

Acq: 01 Mar 2024 17:52

Instrument :

BNA_M

ClientSampleId :

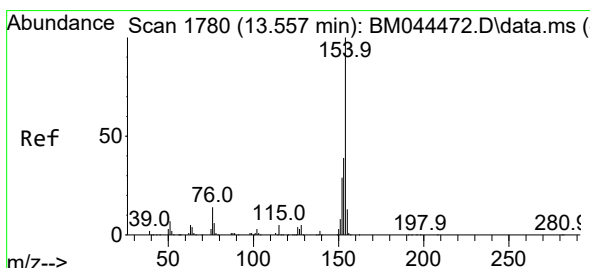
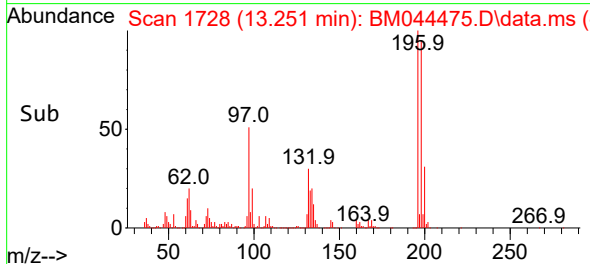
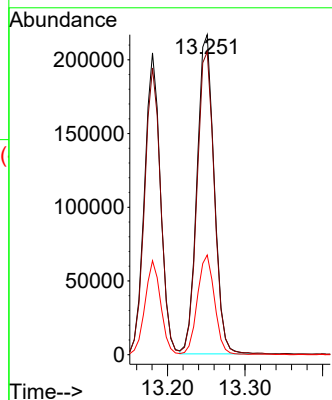
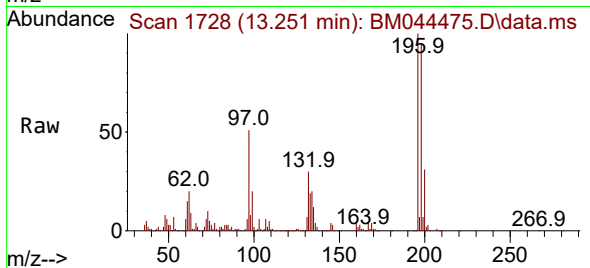
Tgt Ion:196 Resp: 332477

Ion Ratio Lower Upper

196 100

198 94.6 77.4 116.2

200 31.2 25.6 38.4



#43

1,1'-Biphenyl

Concen: 36.800 ng/ul

RT: 13.581 min Scan# 1784

Delta R.T. 0.024 min

Lab File: BM044475.D

Acq: 01 Mar 2024 17:52

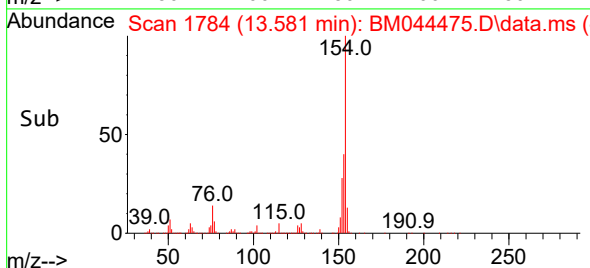
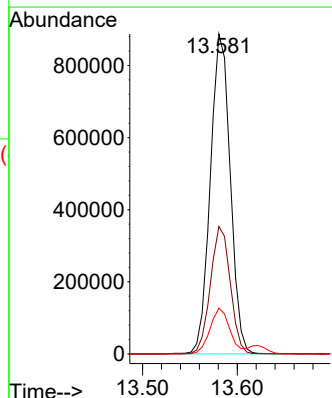
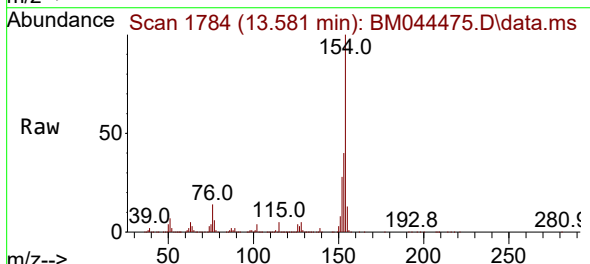
Tgt Ion:154 Resp: 1295620

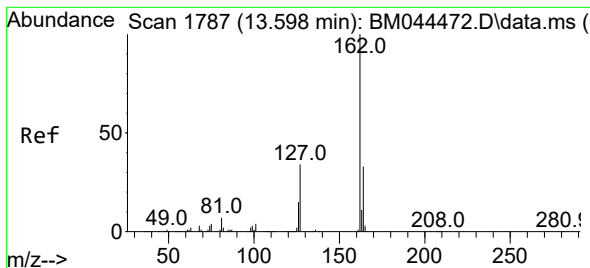
Ion Ratio Lower Upper

154 100

153 39.9 32.4 48.6

76 14.3 11.6 17.4





#44

2-Chloronaphthalene

Concen: 37.293 ng/ul

RT: 13.622 min Scan# 1

Delta R.T. 0.024 min

Lab File: BM044475.D

Acq: 01 Mar 2024 17:52

Instrument :

BNA_M

ClientSampleId :

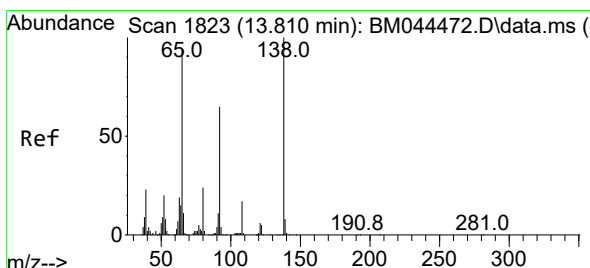
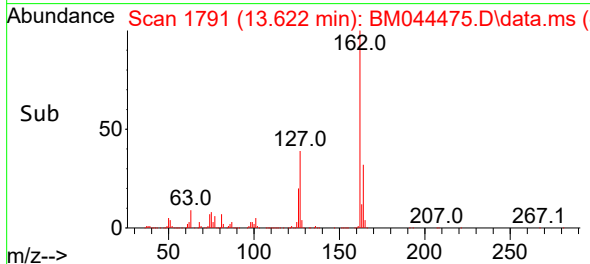
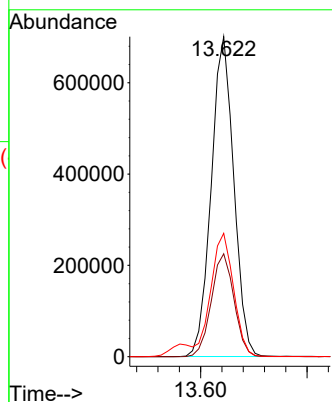
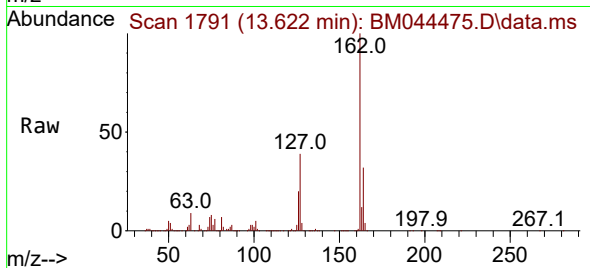
Tgt Ion:162 Resp: 1028068

Ion Ratio Lower Upper

162 100

164 32.1 26.1 39.1

127 38.5 30.9 46.3



#45

2-Nitroaniline

Concen: 40.712 ng/ul

RT: 13.839 min Scan# 1828

Delta R.T. 0.030 min

Lab File: BM044475.D

Acq: 01 Mar 2024 17:52

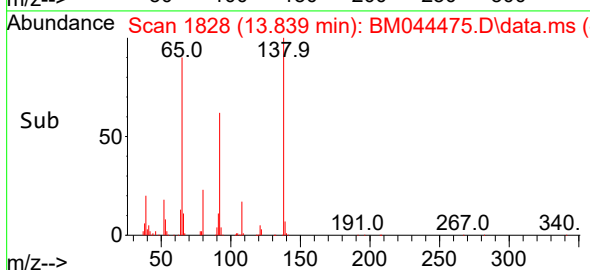
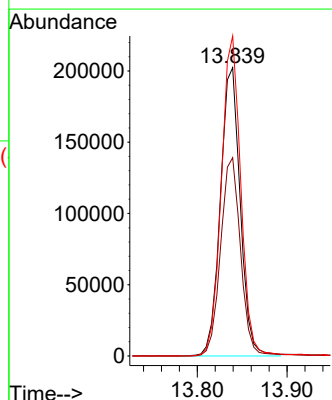
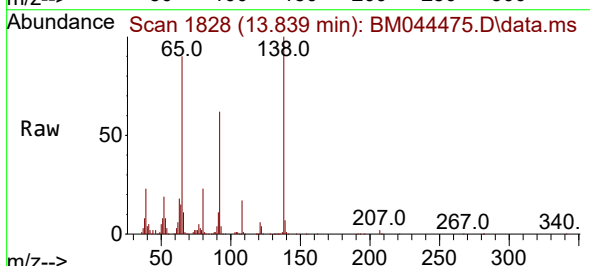
Tgt Ion: 65 Resp: 310733

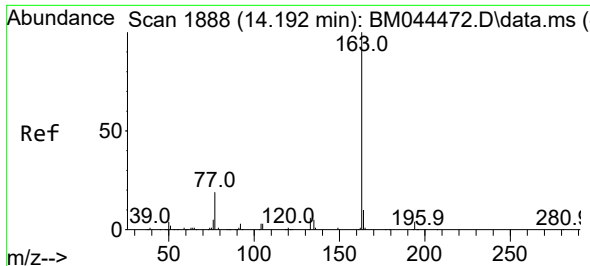
Ion Ratio Lower Upper

65 100

92 68.8 52.5 78.7

138 111.0 86.4 129.6

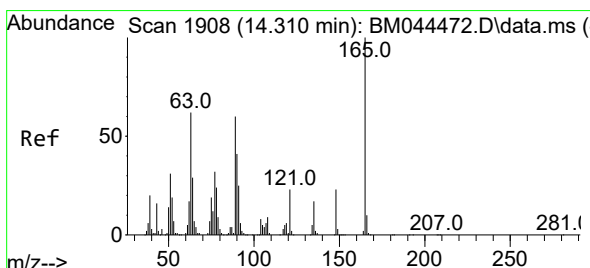
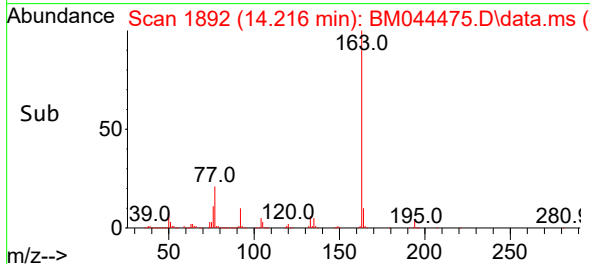
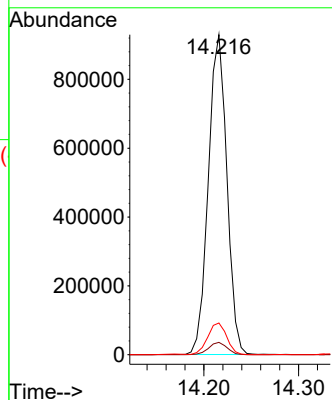
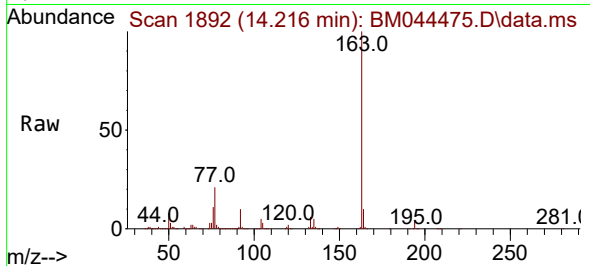




#47
Dimethylphthalate
Concen: 37.110 ng/ul
RT: 14.216 min Scan# 1912
Delta R.T. 0.024 min
Lab File: BM044475.D
Acq: 01 Mar 2024 17:52

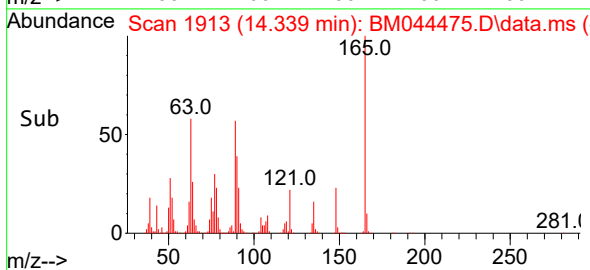
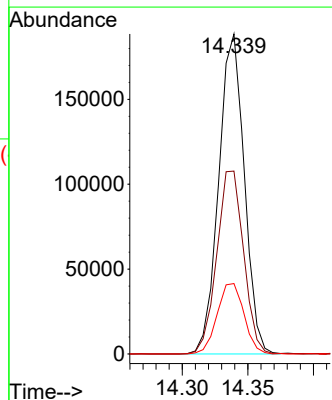
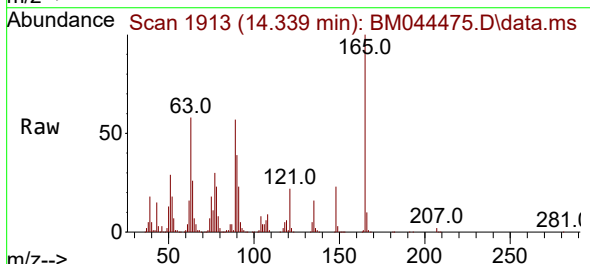
Instrument :
BNA_M
ClientSampleId :

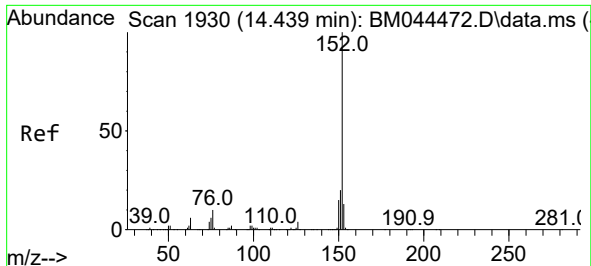
Tgt Ion:163 Resp: 1265004
Ion Ratio Lower Upper
163 100
194 3.9 3.0 4.6
164 9.9 8.1 12.1



#48
2,6-Dinitrotoluene
Concen: 40.097 ng/ul
RT: 14.339 min Scan# 1913
Delta R.T. 0.030 min
Lab File: BM044475.D
Acq: 01 Mar 2024 17:52

Tgt Ion:165 Resp: 255619
Ion Ratio Lower Upper
165 100
89 57.1 48.2 72.2
121 22.0 18.7 28.1

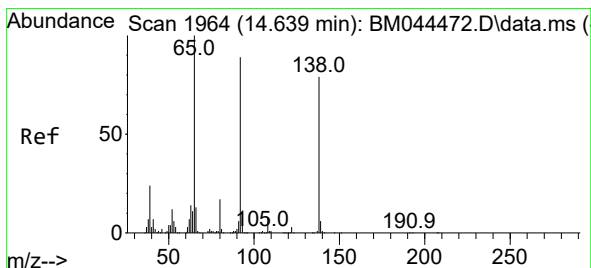
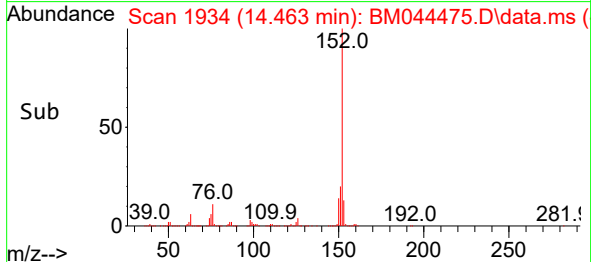
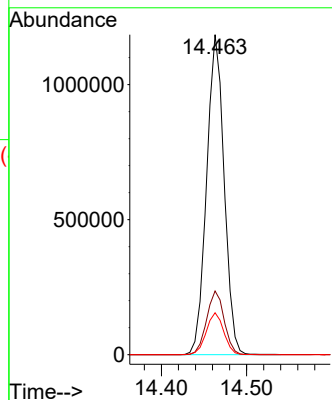
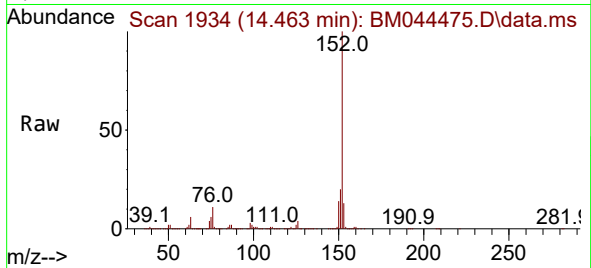




#50
Acenaphthylene
Concen: 37.245 ng/ul
RT: 14.463 min Scan# 1930
Delta R.T. 0.024 min
Lab File: BM044475.D
Acq: 01 Mar 2024 17:52

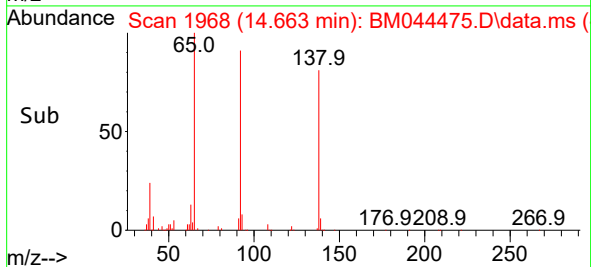
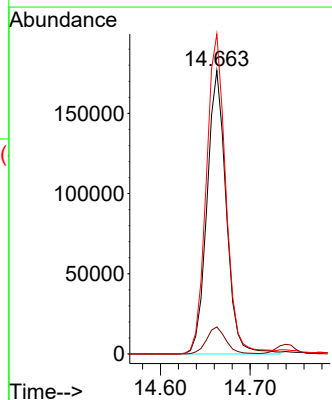
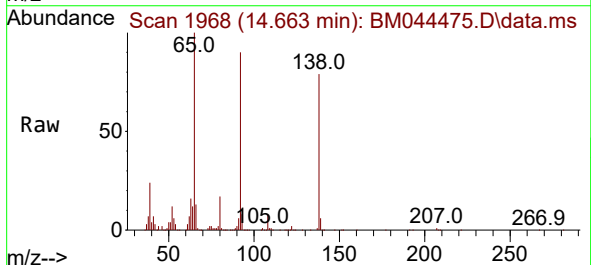
Instrument :
BNA_M
ClientSampleId :

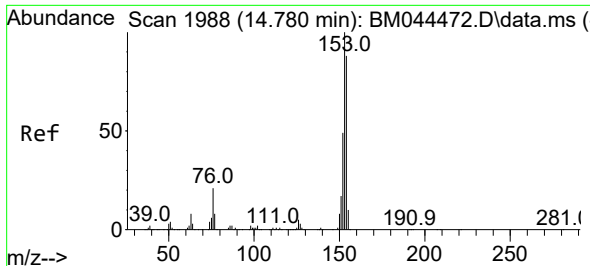
Tgt Ion:152 Resp: 1692879
Ion Ratio Lower Upper
152 100
151 19.9 15.8 23.6
153 13.1 10.4 15.6



#51
3-Nitroaniline
Concen: 39.053 ng/ul
RT: 14.663 min Scan# 1968
Delta R.T. 0.024 min
Lab File: BM044475.D
Acq: 01 Mar 2024 17:52

Tgt Ion:138 Resp: 262648
Ion Ratio Lower Upper
138 100
108 9.6 8.6 12.8
92 112.9 93.8 140.6

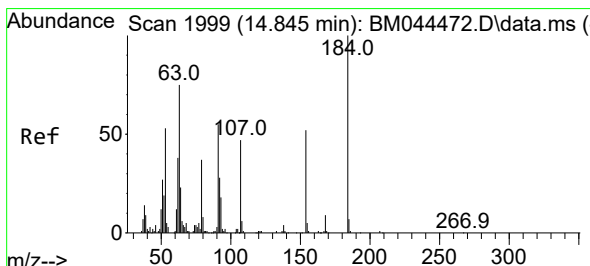
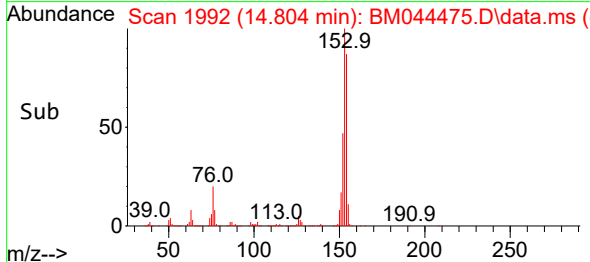
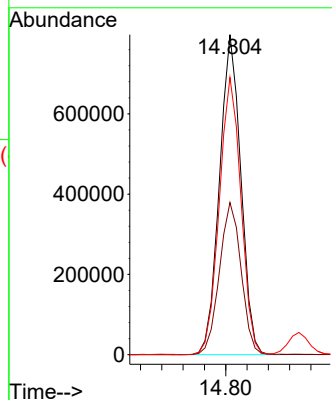
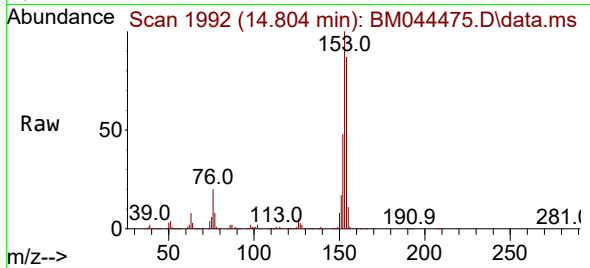




#52
Acenaphthene
Concen: 36.950 ng/ul
RT: 14.804 min Scan# 1988
Delta R.T. 0.024 min
Lab File: BM044475.D
Acq: 01 Mar 2024 17:52

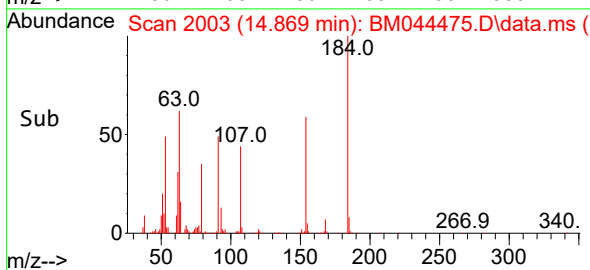
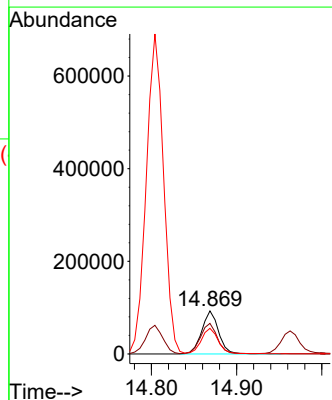
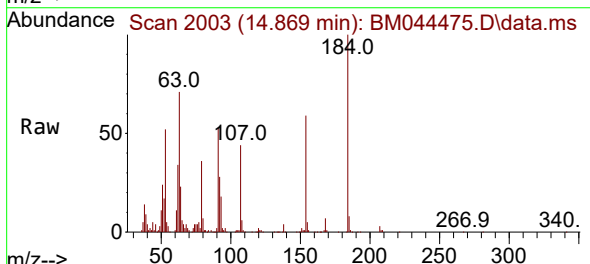
Instrument :
BNA_M
ClientSampleId :

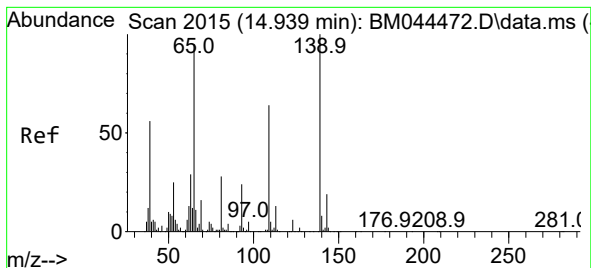
Tgt Ion:153 Resp: 1108746
Ion Ratio Lower Upper
153 100
152 47.6 38.5 57.7
154 86.6 70.8 106.2



#53
2,4-Dinitrophenol
Concen: 32.343 ng/ul
RT: 14.869 min Scan# 2003
Delta R.T. 0.024 min
Lab File: BM044475.D
Acq: 01 Mar 2024 17:52

Tgt Ion:184 Resp: 127944
Ion Ratio Lower Upper
184 100
63 70.9 58.4 87.6
154 59.4 46.4 69.6

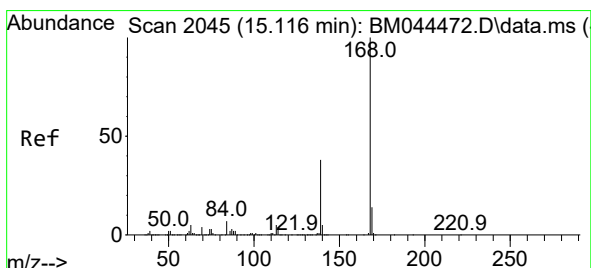
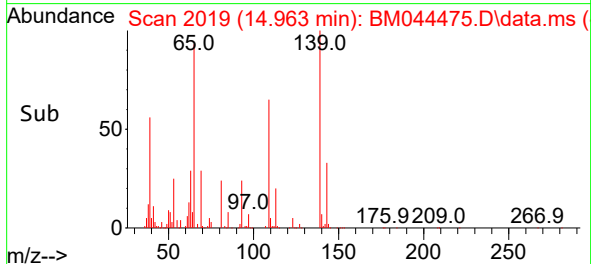
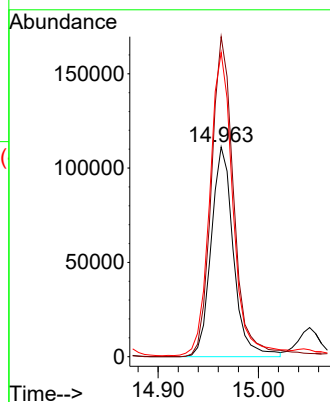
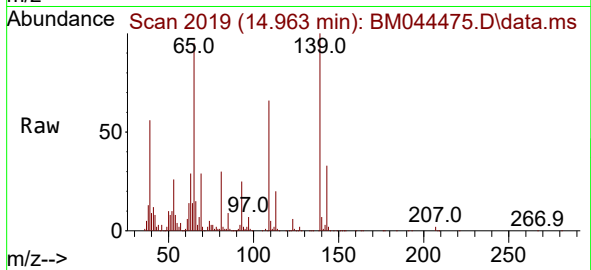




#55
4-Nitrophenol
Concen: 37.468 ng/ul
RT: 14.963 min Scan# 2019
Delta R.T. 0.024 min
Lab File: BM044475.D
Acq: 01 Mar 2024 17:52

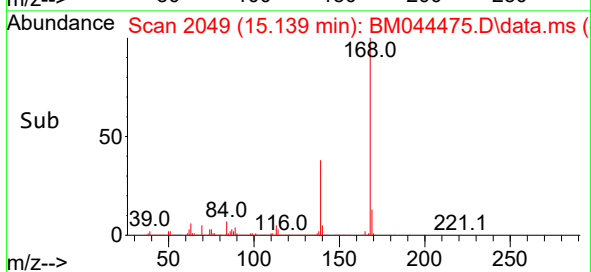
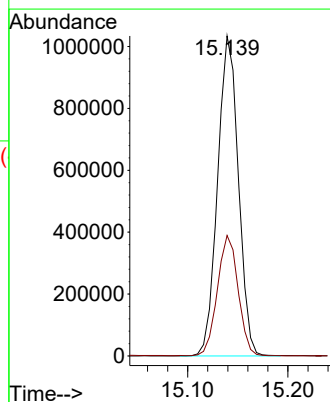
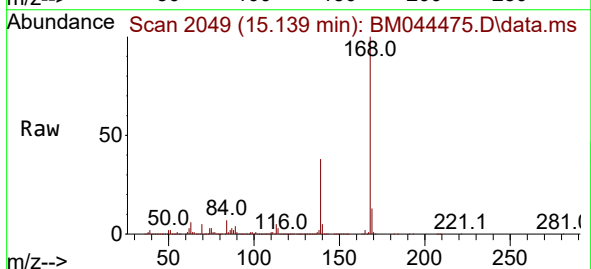
Instrument :
BNA_M
ClientSampleId :

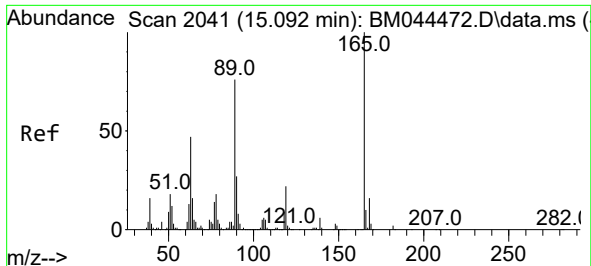
Tgt Ion:109 Resp: 170830
Ion Ratio Lower Upper
109 100
139 152.5 123.0 184.6
65 145.0 122.2 183.2



#56
Dibenzofuran
Concen: 36.925 ng/ul
RT: 15.139 min Scan# 2049
Delta R.T. 0.024 min
Lab File: BM044475.D
Acq: 01 Mar 2024 17:52

Tgt Ion:168 Resp: 1487394
Ion Ratio Lower Upper
168 100
139 37.7 29.9 44.9





#57

2,4-Dinitrotoluene

Concen: 40.580 ng/ul

RT: 15.116 min Scan# 2045

Delta R.T. 0.024 min

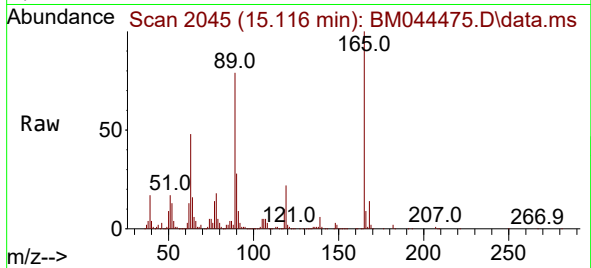
Lab File: BM044475.D

Acq: 01 Mar 2024 17:52

Instrument :

BNA_M

ClientSampleId :



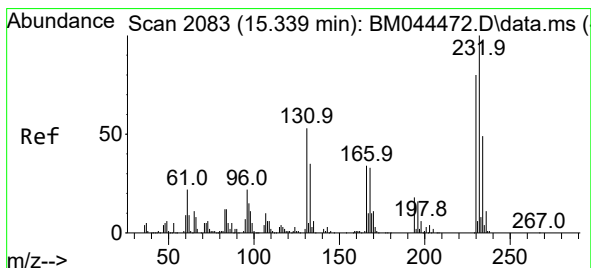
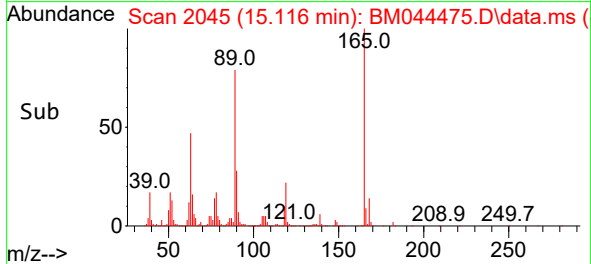
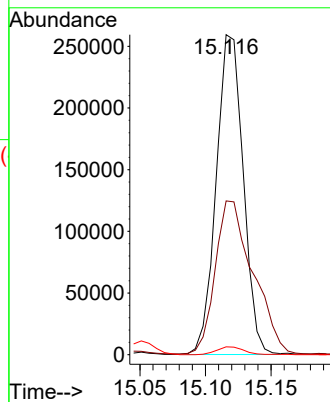
Tgt Ion:165 Resp: 371656

Ion Ratio Lower Upper

165 100

63 48.0 37.9 56.9

182 2.5 1.8 2.6



#58

2,3,4,6-Tetrachlorophenol

Concen: 33.199 ng/ul

RT: 15.363 min Scan# 2087

Delta R.T. 0.024 min

Lab File: BM044475.D

Acq: 01 Mar 2024 17:52

Tgt Ion:232 Resp: 235686

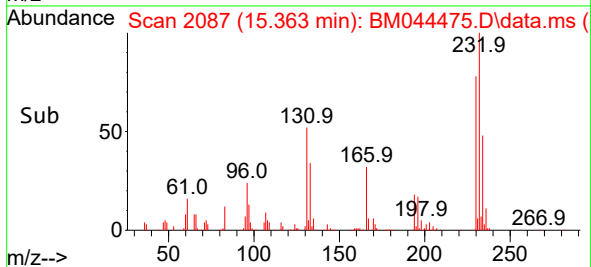
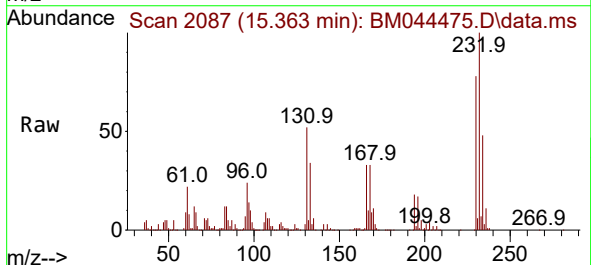
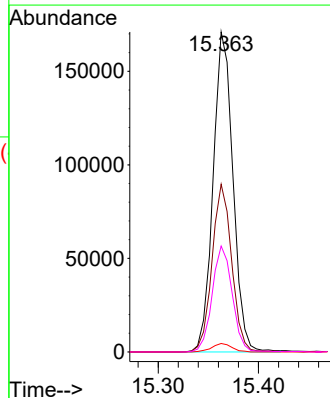
Ion Ratio Lower Upper

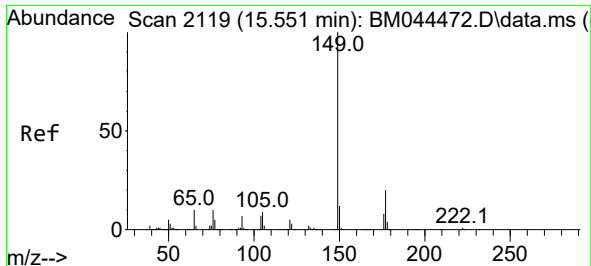
232 100

131 52.4 41.9 62.9

130 2.6 1.8 2.8

166 33.1 26.9 40.3

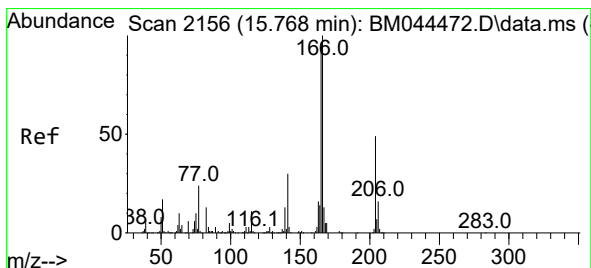
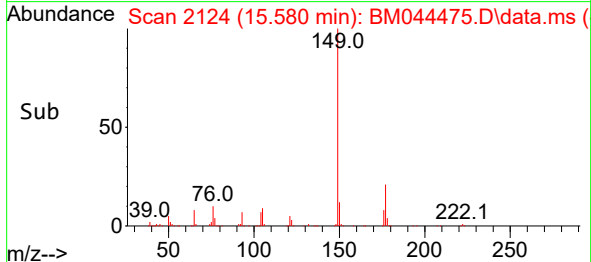
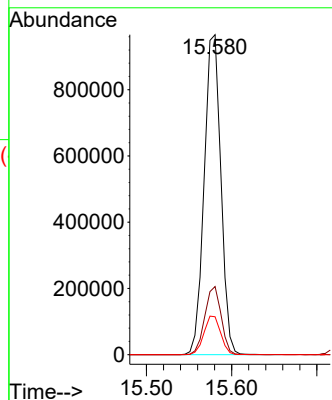
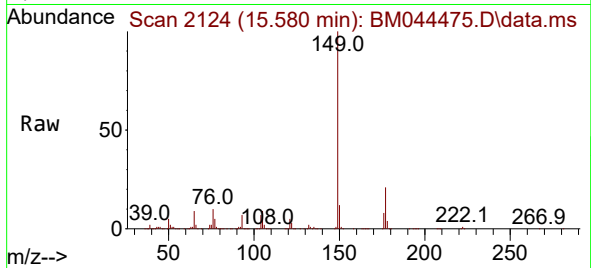




#59
Diethylphthalate
Concen: 37.522 ng/ul
RT: 15.580 min Scan# 2119
Delta R.T. 0.030 min
Lab File: BM044475.D
Acq: 01 Mar 2024 17:52

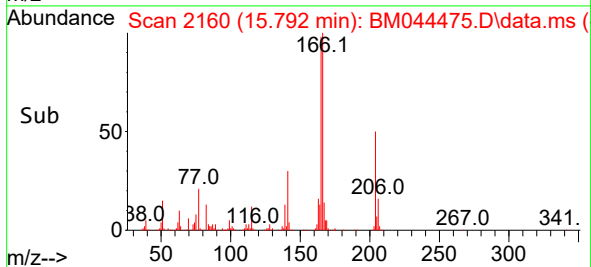
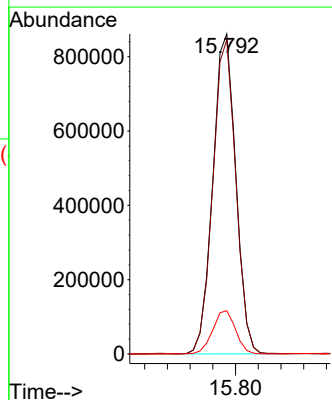
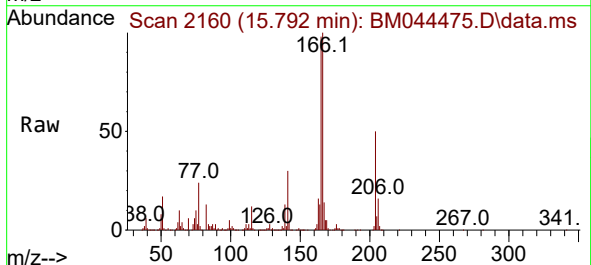
Instrument :
BNA_M
ClientSampleId :

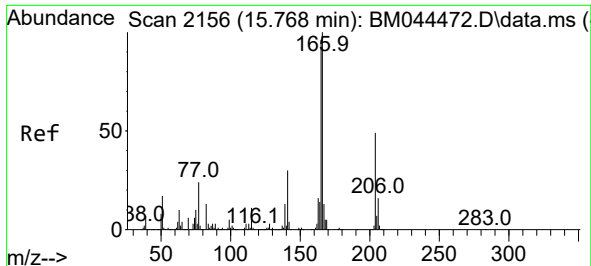
Tgt Ion:149 Resp: 1316618
Ion Ratio Lower Upper
149 100
177 21.3 17.0 25.6
150 11.8 9.6 14.4



#61
Fluorene
Concen: 37.397 ng/ul
RT: 15.792 min Scan# 2160
Delta R.T. 0.024 min
Lab File: BM044475.D
Acq: 01 Mar 2024 17:52

Tgt Ion:166 Resp: 1209900
Ion Ratio Lower Upper
166 100
165 98.2 77.4 116.0
167 13.5 10.8 16.2

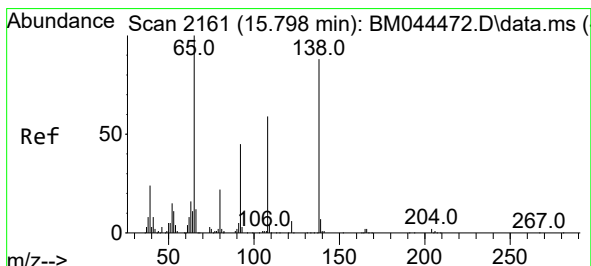
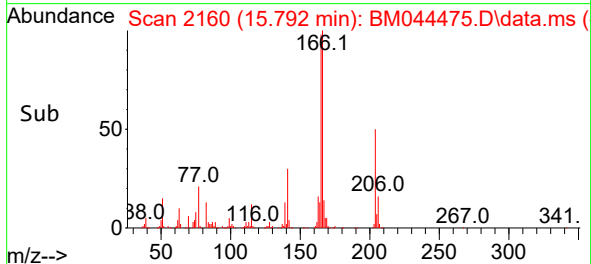
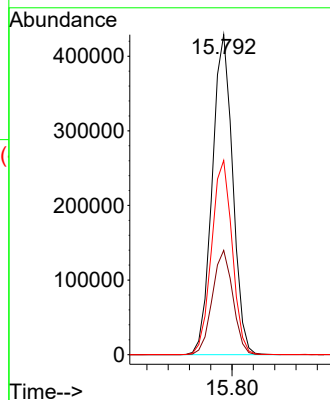
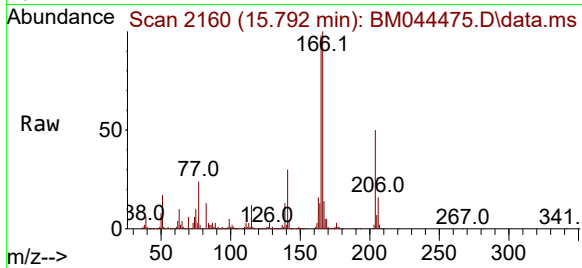




#62
4-Chlorophenyl-phenylether
Concen: 37.507 ng/ul
RT: 15.792 min Scan# 2160
Delta R.T. 0.024 min
Lab File: BM044475.D
Acq: 01 Mar 2024 17:52

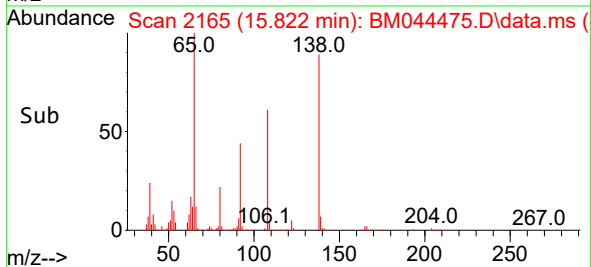
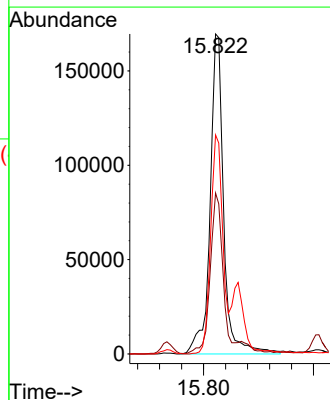
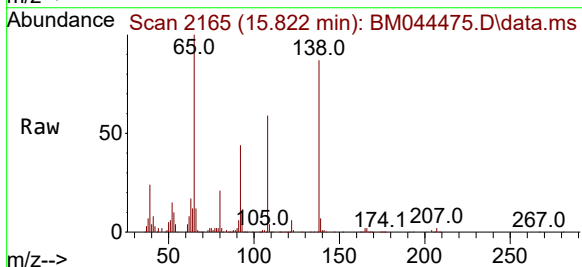
Instrument :
BNA_M
ClientSampleId :

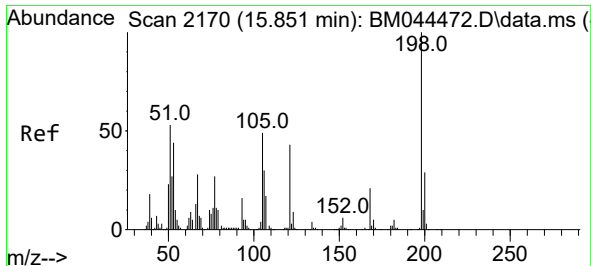
Tgt Ion:204 Resp: 571892
Ion Ratio Lower Upper
204 100
206 32.6 26.9 40.3
141 60.7 48.3 72.5



#63
4-Nitroaniline
Concen: 44.649 ng/ul
RT: 15.822 min Scan# 2165
Delta R.T. 0.024 min
Lab File: BM044475.D
Acq: 01 Mar 2024 17:52

Tgt Ion:138 Resp: 290432
Ion Ratio Lower Upper
138 100
92 50.3 40.9 61.3
108 68.5 55.1 82.7

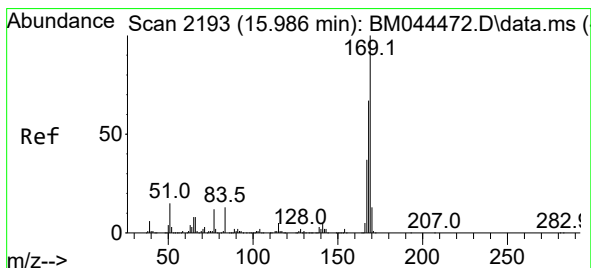
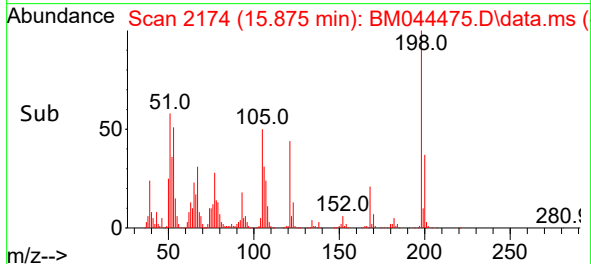
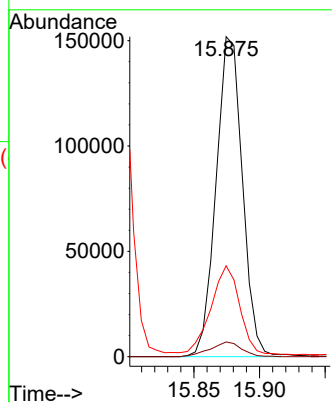
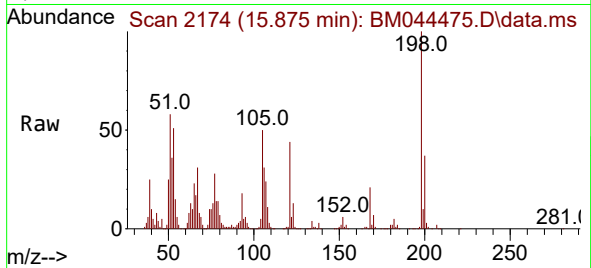




#66
4,6-Dinitro-2-methylphenol
Concen: 35.780 ng/ul
RT: 15.875 min Scan# 211967
Delta R.T. 0.024 min
Lab File: BM044475.D
Acq: 01 Mar 2024 17:52

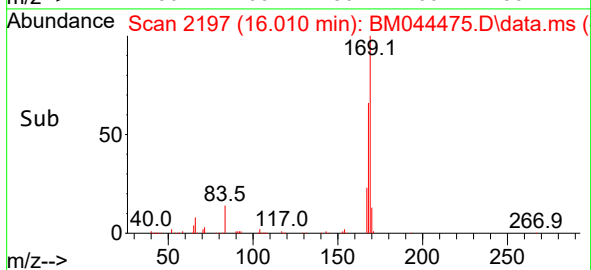
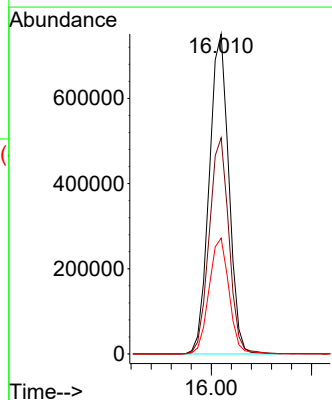
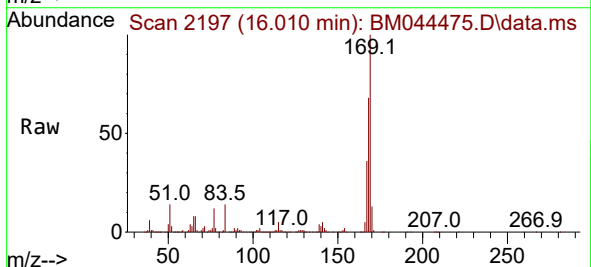
Instrument :
BNA_M
ClientSampleId :

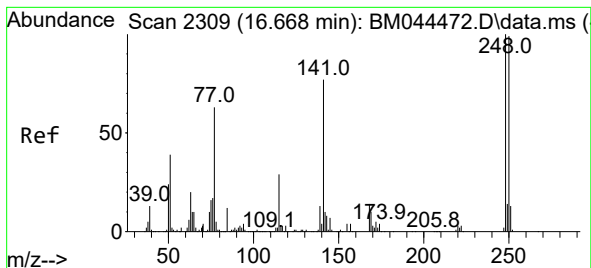
Tgt Ion:198 Resp: 211967
Ion Ratio Lower Upper
198 100
182 4.6 3.8 5.8
77 28.4 20.6 30.8



#67
N-Nitrosodiphenylamine
Concen: 38.549 ng/ul
RT: 16.010 min Scan# 2197
Delta R.T. 0.024 min
Lab File: BM044475.D
Acq: 01 Mar 2024 17:52

Tgt Ion:169 Resp: 1019605
Ion Ratio Lower Upper
169 100
168 67.5 53.6 80.4
167 36.2 29.2 43.8

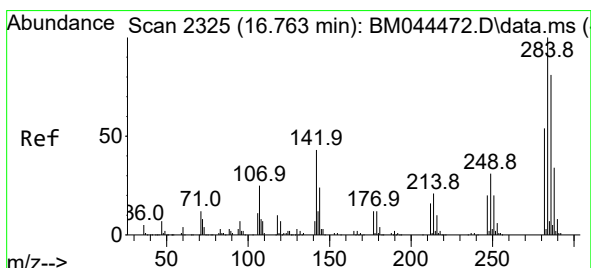
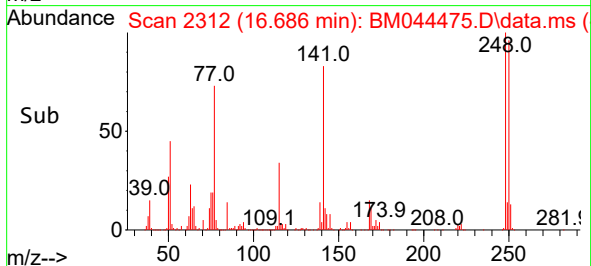
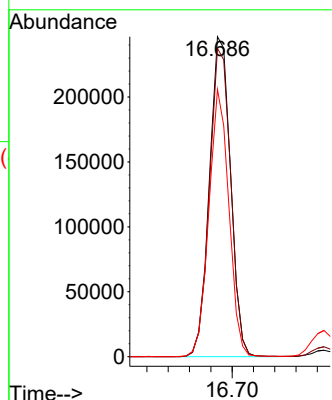
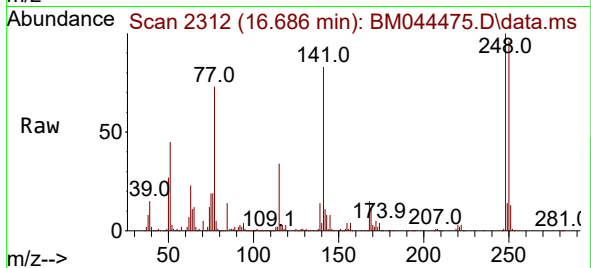




#68
4-Bromophenyl-phenylether
Concen: 39.181 ng/ul
RT: 16.686 min Scan# 211
Delta R.T. 0.018 min
Lab File: BM044475.D
Acq: 01 Mar 2024 17:52

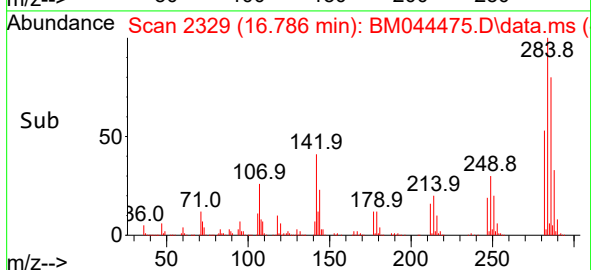
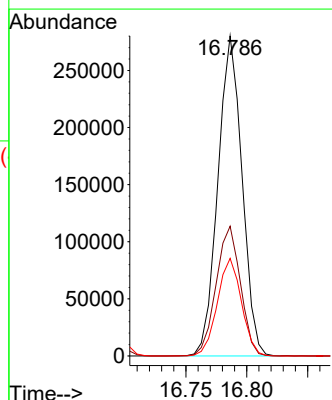
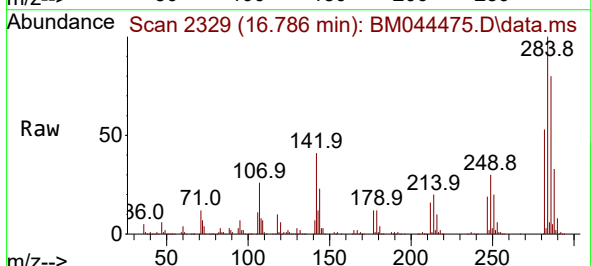
Instrument :
BNA_M
ClientSampleId :

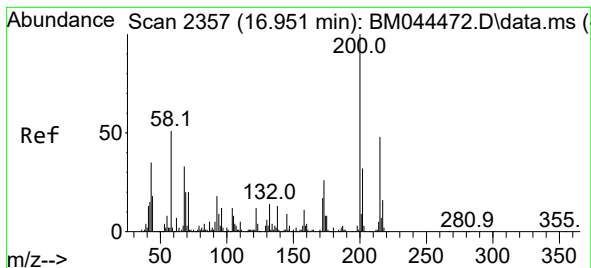
Tgt Ion:248 Resp: 339769
Ion Ratio Lower Upper
248 100
250 96.3 79.8 119.8
141 83.5 65.8 98.8



#69
Hexachlorobenzene
Concen: 38.918 ng/ul
RT: 16.786 min Scan# 2329
Delta R.T. 0.024 min
Lab File: BM044475.D
Acq: 01 Mar 2024 17:52

Tgt Ion:284 Resp: 386270
Ion Ratio Lower Upper
284 100
142 40.5 33.4 50.2
249 30.5 24.7 37.1





#70

Atrazine

Concen: 9.099 ng/ul

RT: 16.969 min Scan# 21

Delta R.T. 0.018 min

Lab File: BM044475.D

Acq: 01 Mar 2024 17:52

Instrument :

BNA_M

ClientSampleId :

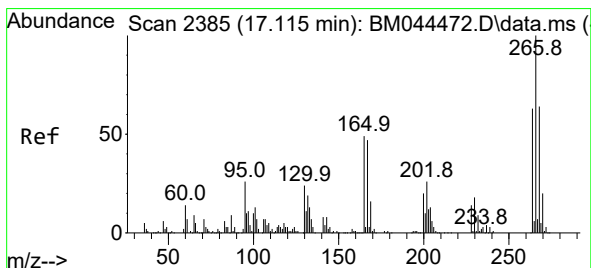
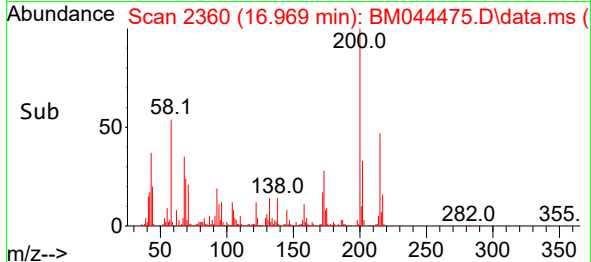
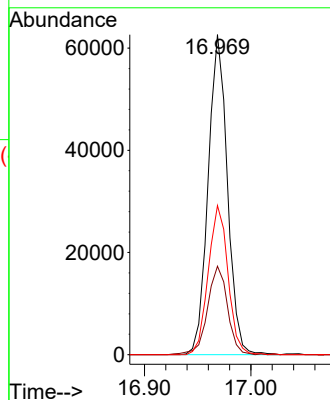
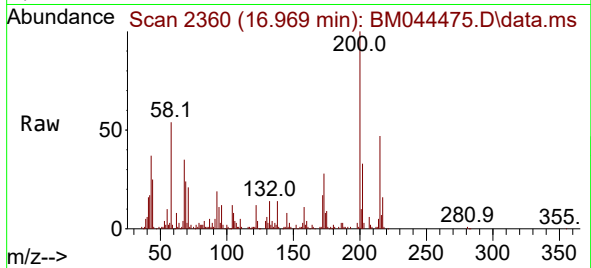
Tgt Ion:200 Resp: 78837

Ion Ratio Lower Upper

200 100

173 27.6 22.5 33.7

215 46.6 37.8 56.6



#71

Pentachlorophenol

Concen: 29.205 ng/ul

RT: 17.139 min Scan# 2389

Delta R.T. 0.024 min

Lab File: BM044475.D

Acq: 01 Mar 2024 17:52

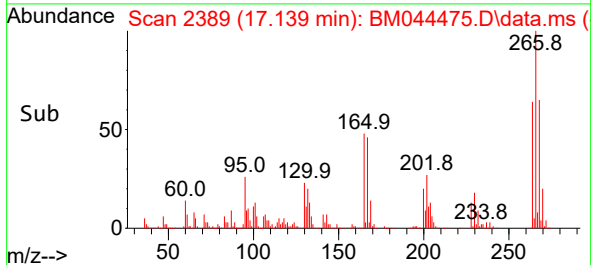
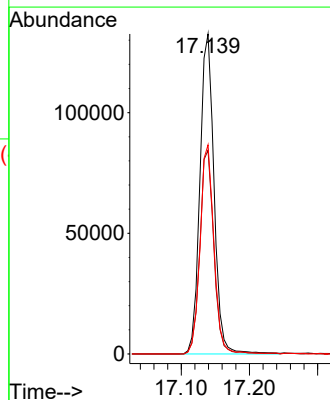
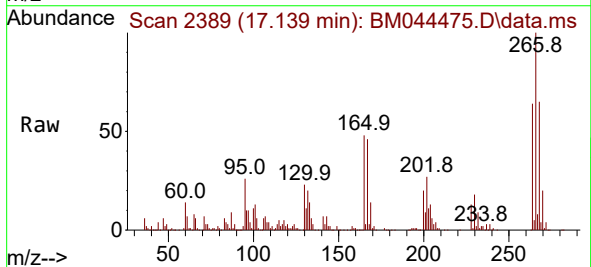
Tgt Ion:266 Resp: 191026

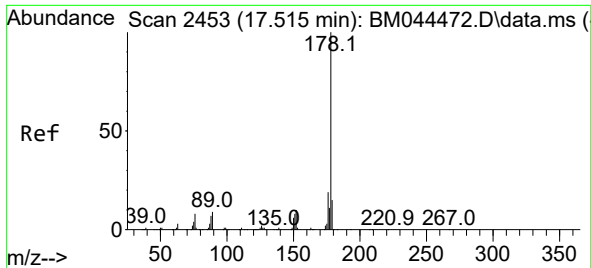
Ion Ratio Lower Upper

266 100

264 63.6 50.9 76.3

268 65.3 51.1 76.7

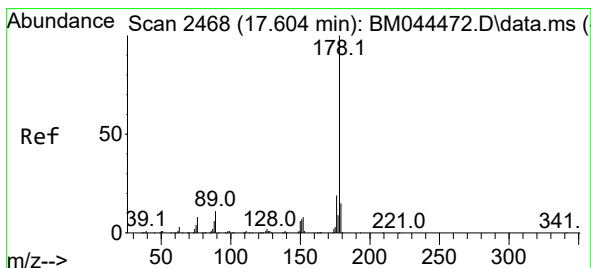
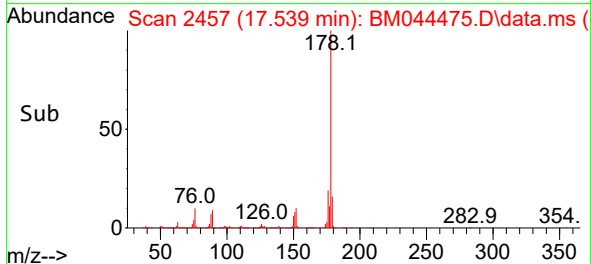
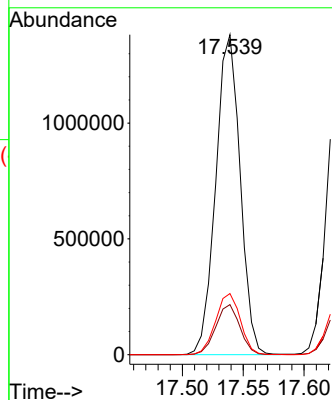
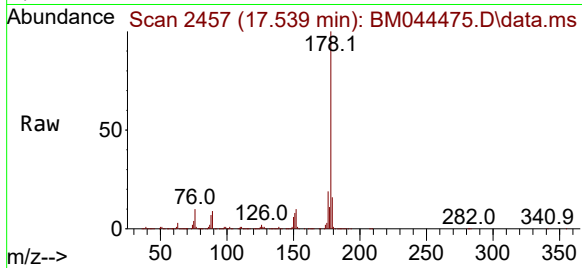




#72
Phenanthrene
Concen: 38.449 ng/ul
RT: 17.539 min Scan# 2457
Delta R.T. 0.024 min
Lab File: BM044475.D
Acq: 01 Mar 2024 17:52

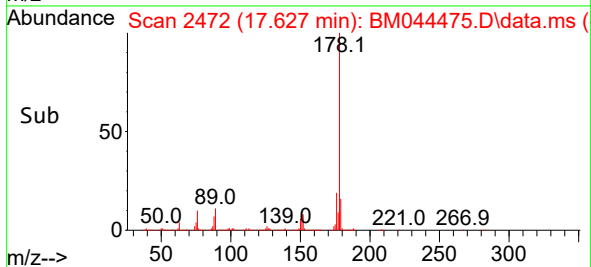
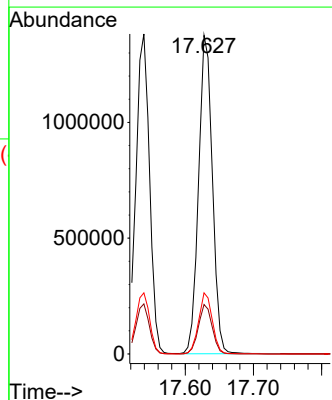
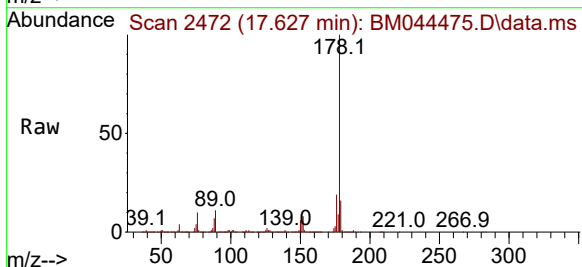
Instrument :
BNA_M
ClientSampleId :

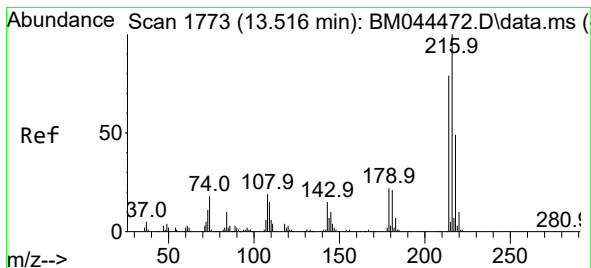
Tgt Ion:178 Resp: 1925086
Ion Ratio Lower Upper
178 100
179 15.6 12.2 18.4
176 19.1 15.6 23.4



#74
Anthracene
Concen: 38.316 ng/ul
RT: 17.627 min Scan# 2472
Delta R.T. 0.024 min
Lab File: BM044475.D
Acq: 01 Mar 2024 17:52

Tgt Ion:178 Resp: 1931544
Ion Ratio Lower Upper
178 100
179 15.5 12.2 18.2
176 19.2 15.4 23.0





#75

1,2,3,4-Tetrachlorobenzene

Concen: 38.940 ng/uL

RT: 13.539 min Scan# 1

Delta R.T. 0.024 min

Lab File: BM044475.D

Acq: 01 Mar 2024 17:52

Instrument :

BNA_M

ClientSampleId :

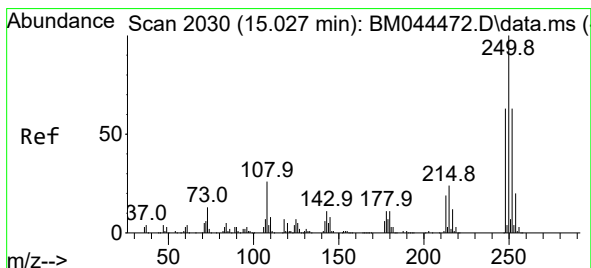
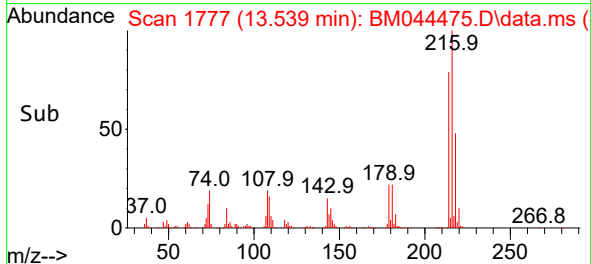
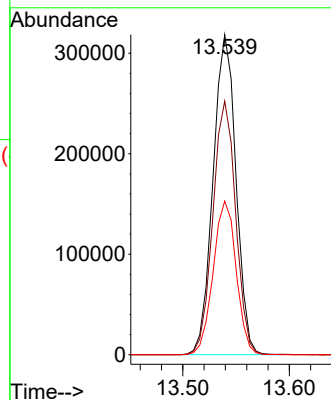
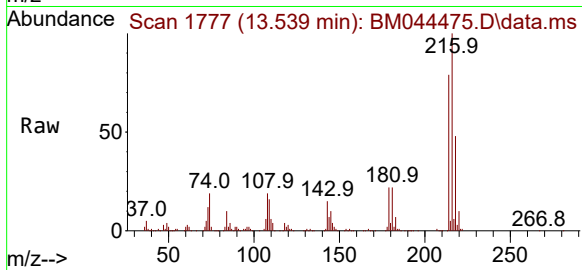
Tgt Ion:216 Resp: 475740

Ion Ratio Lower Upper

216 100

214 79.3 61.9 92.9

218 48.0 37.9 56.9



#76

Pentachlorobenzene

Concen: 38.461 ng/uL

RT: 15.051 min Scan# 2034

Delta R.T. 0.024 min

Lab File: BM044475.D

Acq: 01 Mar 2024 17:52

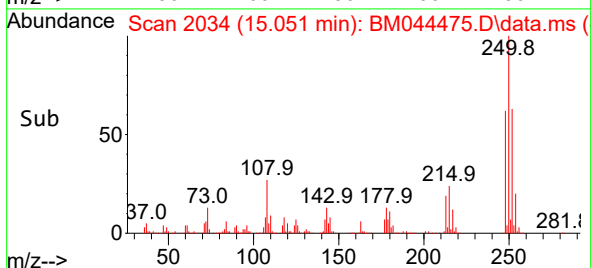
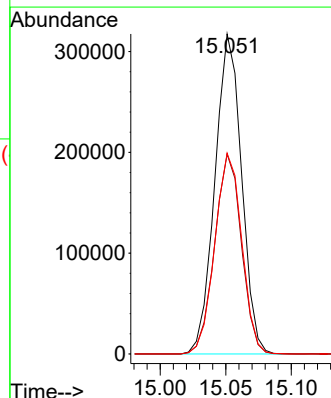
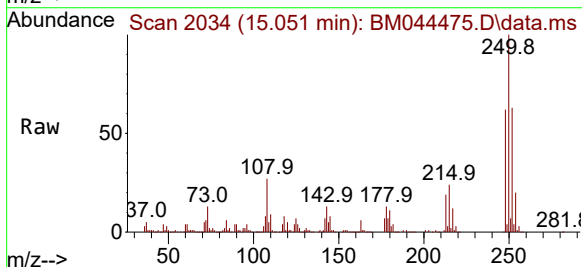
Tgt Ion:250 Resp: 448579

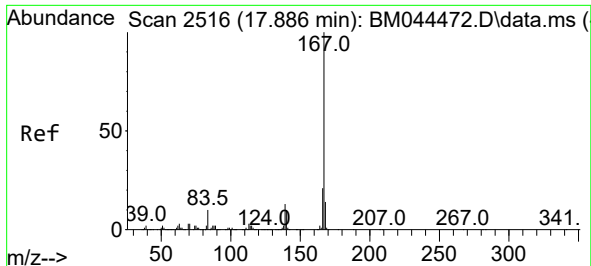
Ion Ratio Lower Upper

250 100

248 62.5 48.6 73.0

252 62.8 50.0 75.0

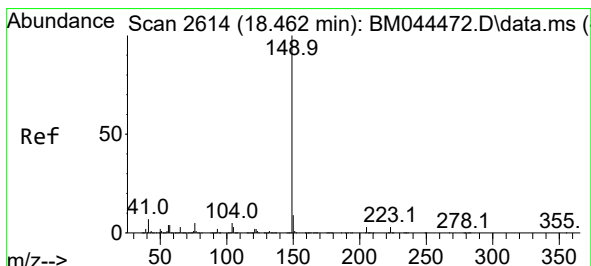
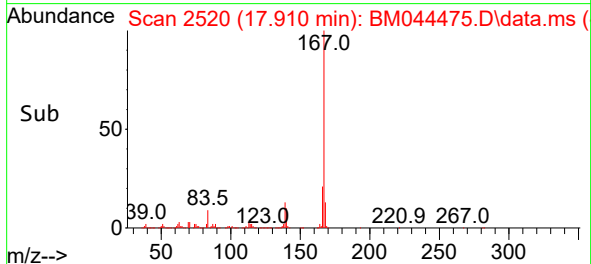
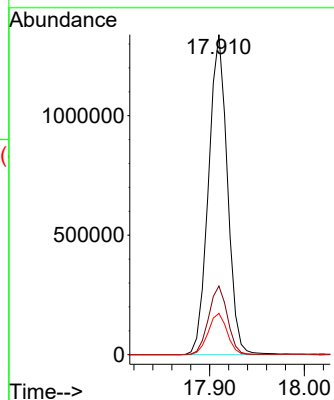
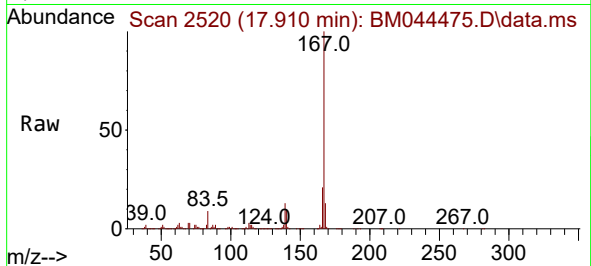




#77
 Carbazole
 Concen: 39.059 ng/ul
 RT: 17.910 min Scan# 2516
 Delta R.T. 0.024 min
 Lab File: BM044475.D
 Acq: 01 Mar 2024 17:52

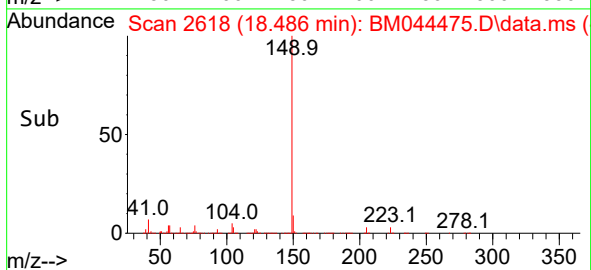
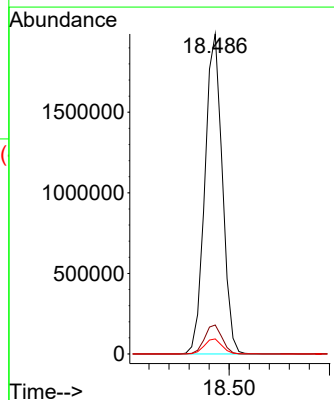
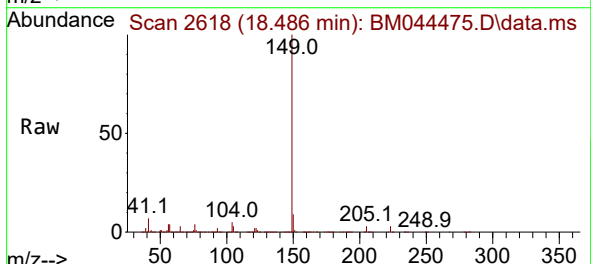
Instrument :
 BNA_M
 ClientSampleId :

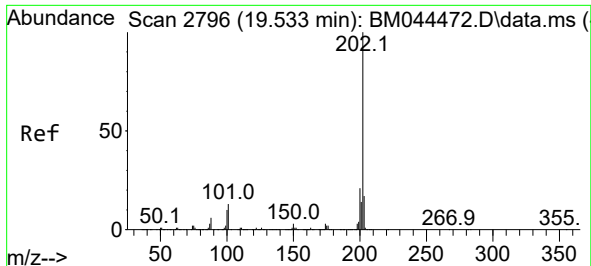
Tgt Ion:167 Resp: 1851433
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.1 25.7
 139 12.9 10.7 16.1



#78
 Di-n-butylphthalate
 Concen: 39.993 ng/ul
 RT: 18.486 min Scan# 2618
 Delta R.T. 0.024 min
 Lab File: BM044475.D
 Acq: 01 Mar 2024 17:52

Tgt Ion:149 Resp: 2400268
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.3 10.9
 104 4.7 3.8 5.8

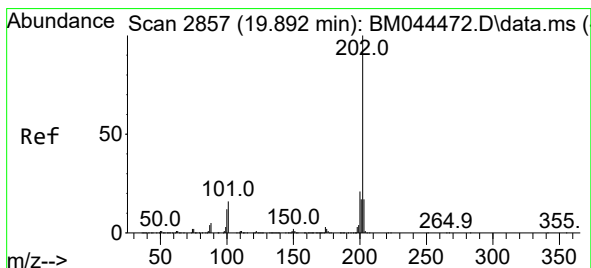
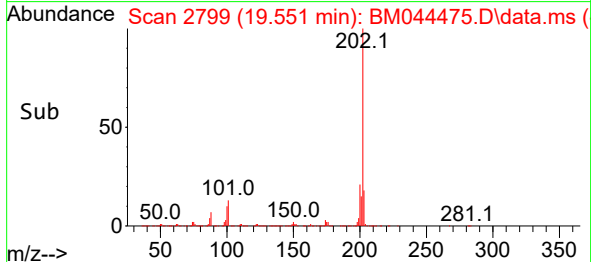
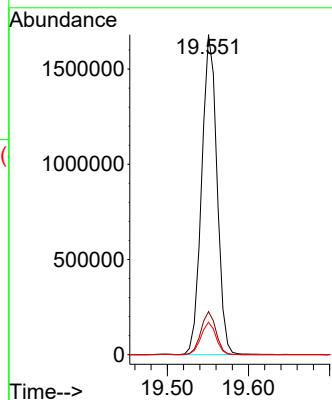
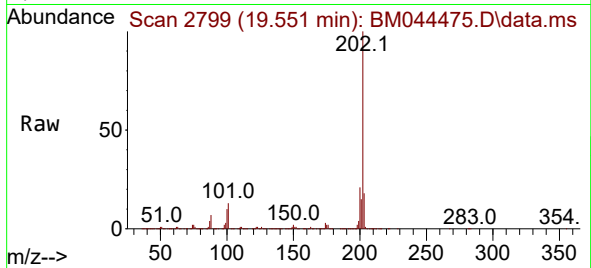




#80
Fluoranthene
Concen: 39.787 ng/ul
RT: 19.551 min Scan# 21
Delta R.T. 0.018 min
Lab File: BM044475.D
Acq: 01 Mar 2024 17:52

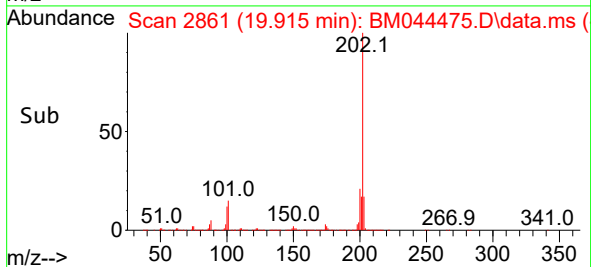
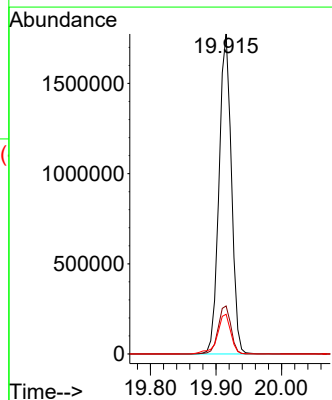
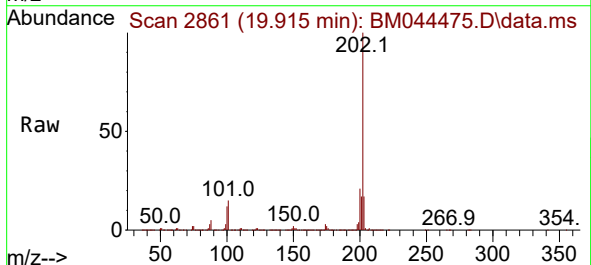
Instrument :
BNA_M
ClientSampleId :

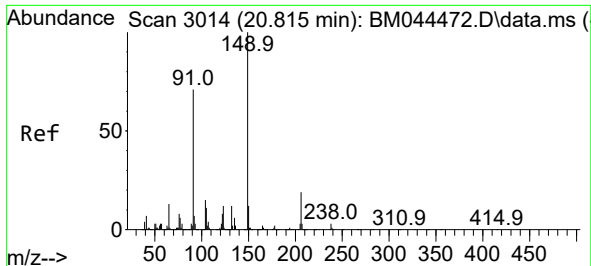
Tgt Ion:202 Resp: 2201297
Ion Ratio Lower Upper
202 100
101 13.5 11.1 16.7
100 10.2 8.2 12.2



#82
Pyrene
Concen: 39.842 ng/ul
RT: 19.915 min Scan# 2861
Delta R.T. 0.024 min
Lab File: BM044475.D
Acq: 01 Mar 2024 17:52

Tgt Ion:202 Resp: 2311767
Ion Ratio Lower Upper
202 100
101 15.0 12.6 18.8
100 12.4 10.2 15.2

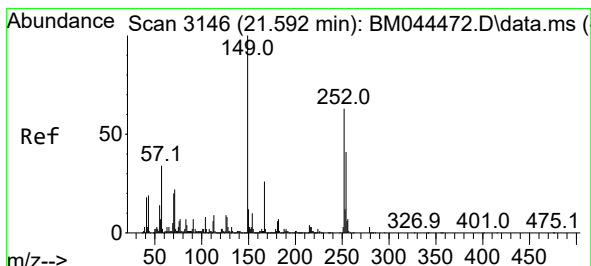
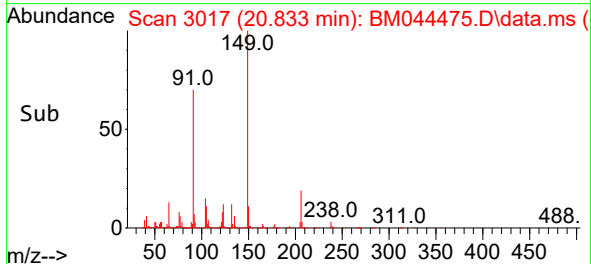
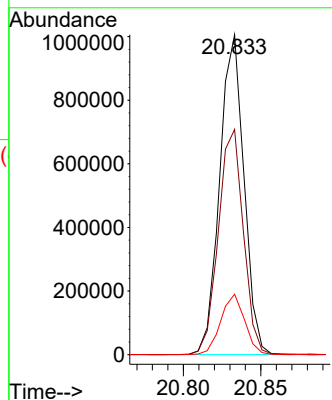
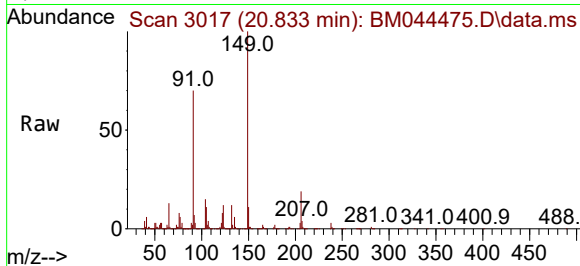




#83
 Butylbenzylphthalate
 Concen: 42.016 ng/ul
 RT: 20.833 min Scan# 3014
 Delta R.T. 0.018 min
 Lab File: BM044475.D
 Acq: 01 Mar 2024 17:52

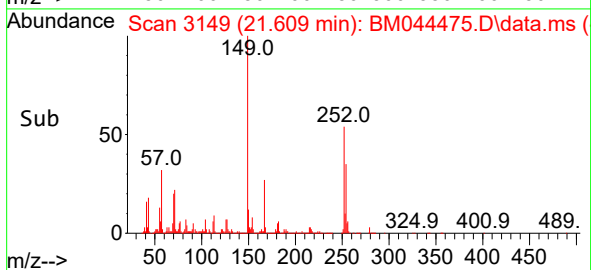
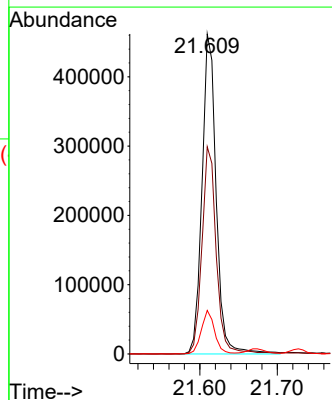
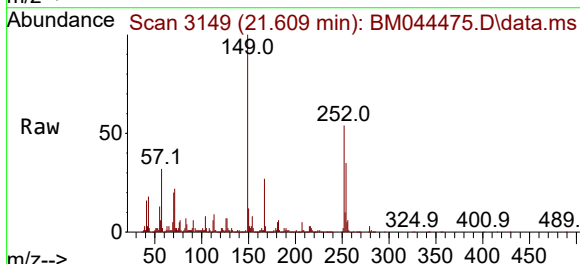
Instrument :
 BNA_M
 ClientSampleId :

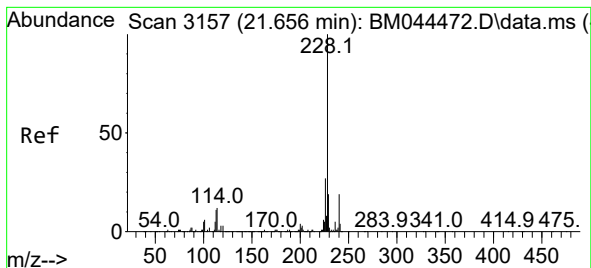
Tgt Ion:149 Resp: 1095004
 Ion Ratio Lower Upper
 149 100
 91 70.4 58.1 87.1
 206 18.9 15.0 22.4



#84
 3,3'-Dichlorobenzidine
 Concen: 34.295 ng/ul
 RT: 21.609 min Scan# 3149
 Delta R.T. 0.018 min
 Lab File: BM044475.D
 Acq: 01 Mar 2024 17:52

Tgt Ion:252 Resp: 588215
 Ion Ratio Lower Upper
 252 100
 254 64.7 51.6 77.4
 126 13.6 11.2 16.8





#85

Benzo(a)anthracene

Concen: 39.192 ng/ul

RT: 21.674 min Scan# 31

Delta R.T. 0.018 min

Lab File: BM044475.D

Acq: 01 Mar 2024 17:52

Instrument :

BNA_M

ClientSampleId :

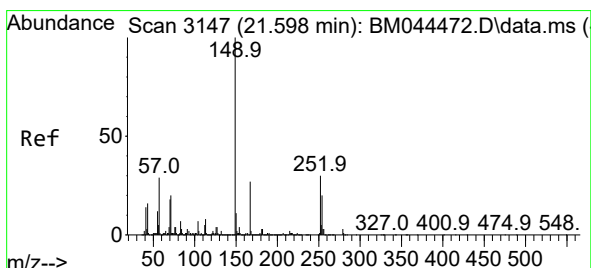
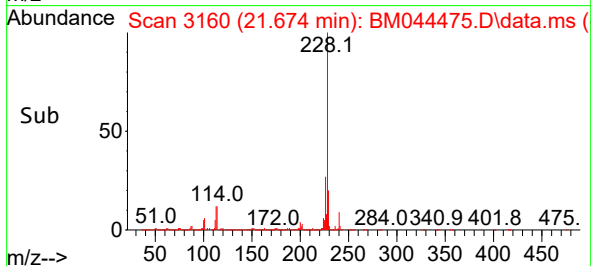
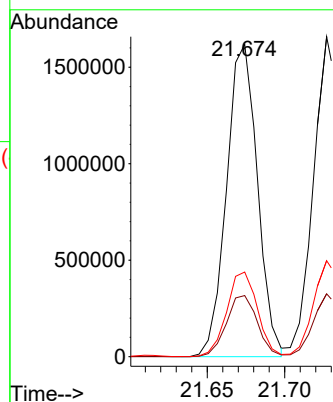
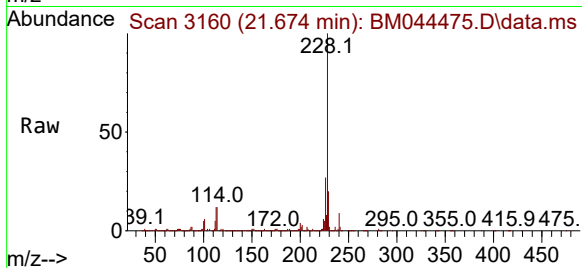
Tgt Ion:228 Resp: 2241350

Ion Ratio Lower Upper

228 100

229 19.6 15.4 23.0

226 27.1 21.2 31.8



#86

Bis(2-ethylhexyl)phthalate

Concen: 42.468 ng/ul

RT: 21.615 min Scan# 3150

Delta R.T. 0.018 min

Lab File: BM044475.D

Acq: 01 Mar 2024 17:52

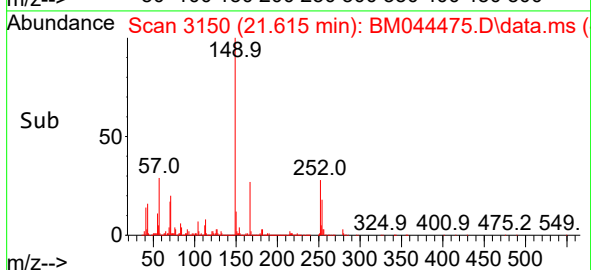
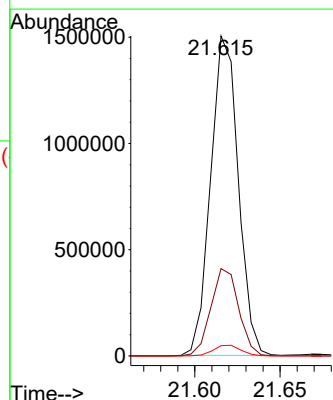
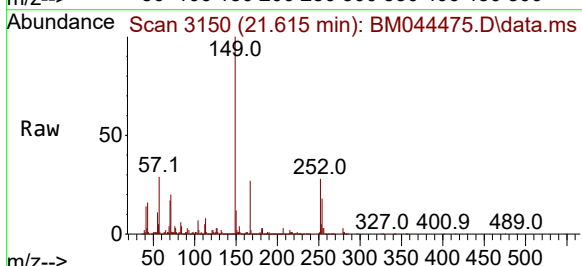
Tgt Ion:149 Resp: 1694471

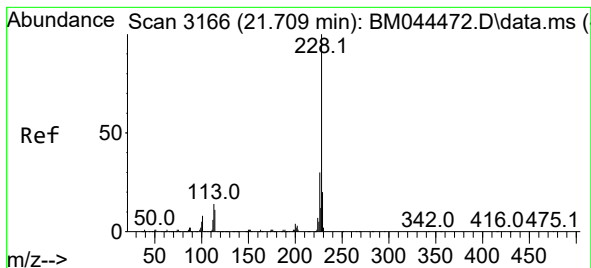
Ion Ratio Lower Upper

149 100

167 27.3 22.1 33.1

279 3.2 2.4 3.6





#87

Chrysene

Concen: 39.519 ng/ul

RT: 21.727 min Scan# 3169

Delta R.T. 0.018 min

Lab File: BM044475.D

Acq: 01 Mar 2024 17:52

Instrument :

BNA_M

ClientSampleId :

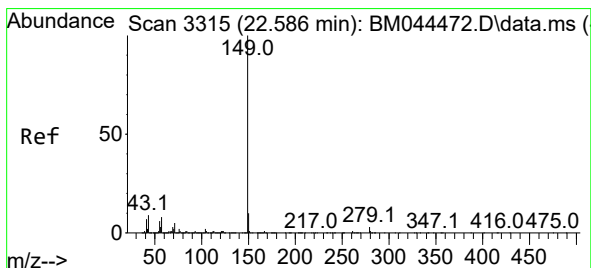
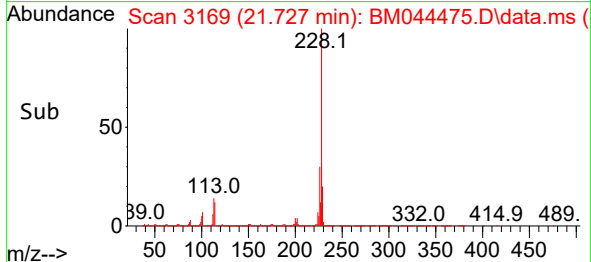
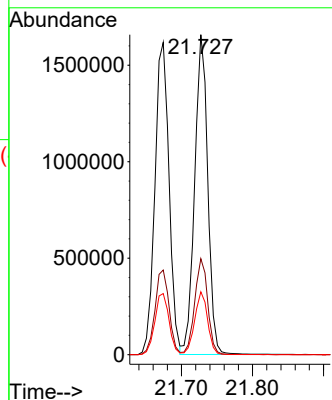
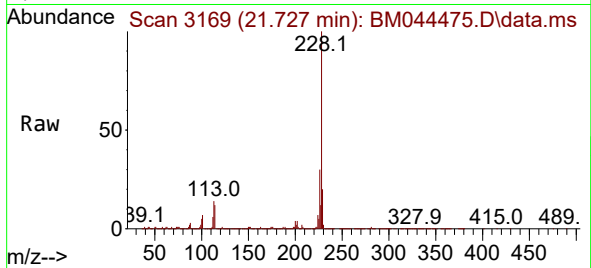
Tgt Ion:228 Resp: 2124410

Ion Ratio Lower Upper

228 100

226 30.0 23.8 35.6

229 19.6 16.0 24.0



#89

Di-n-octyl phthalate

Concen: 41.258 ng/ul

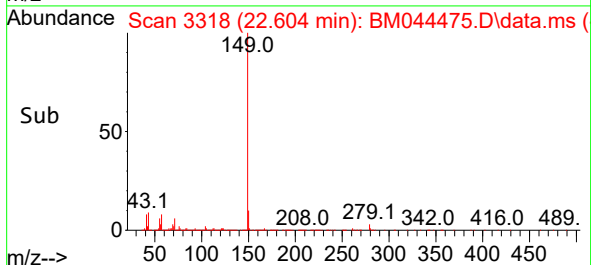
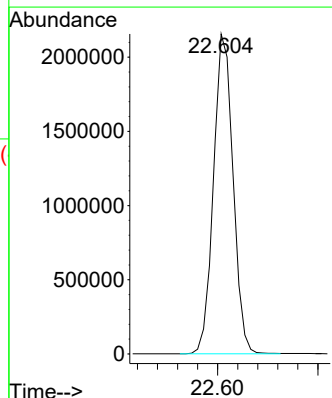
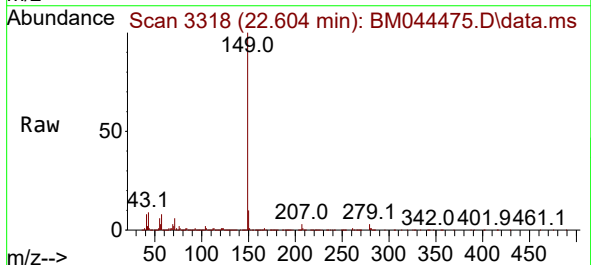
RT: 22.604 min Scan# 3318

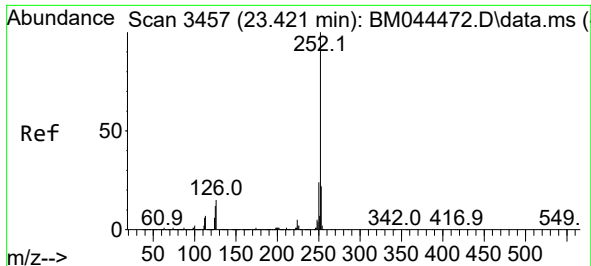
Delta R.T. 0.018 min

Lab File: BM044475.D

Acq: 01 Mar 2024 17:52

Tgt Ion:149 Resp: 2914263

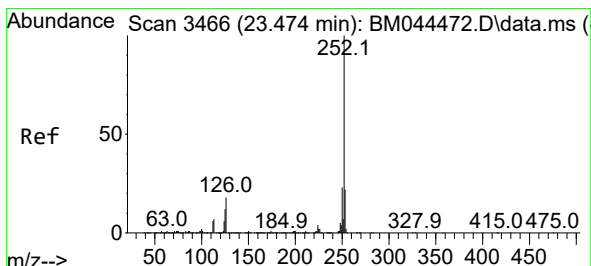
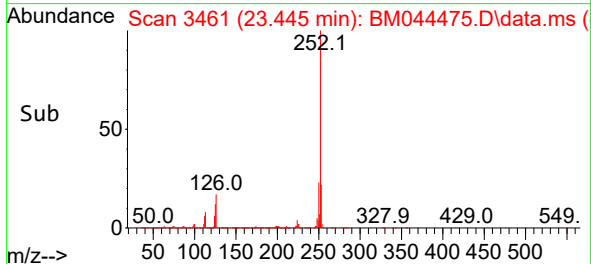
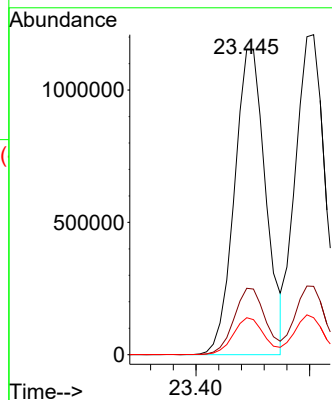
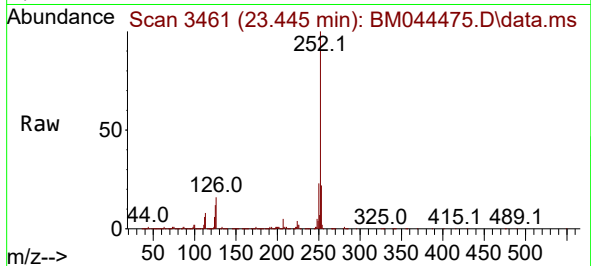




#90
Benzo(b)fluoranthene
Concen: 41.792 ng/ul
RT: 23.445 min Scan# 3457
Delta R.T. 0.024 min
Lab File: BM044475.D
Acq: 01 Mar 2024 17:52

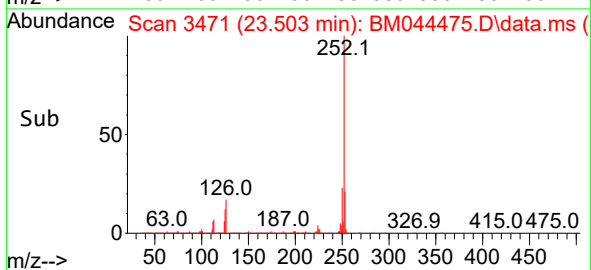
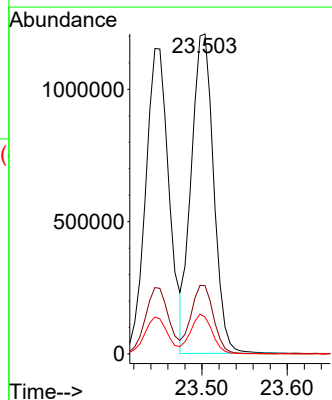
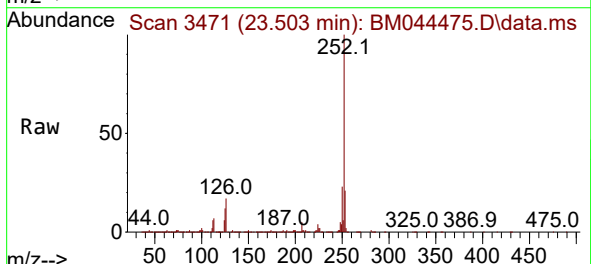
Instrument :
BNA_M
ClientSampleId :

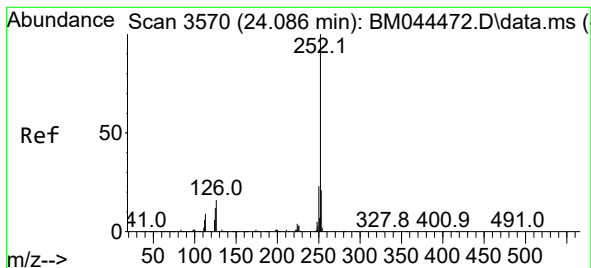
Tgt Ion:252 Resp: 2208820
Ion Ratio Lower Upper
252 100
253 21.8 17.6 26.4
125 12.1 9.8 14.8



#91
Benzo(k)fluoranthene
Concen: 40.510 ng/ul
RT: 23.503 min Scan# 3471
Delta R.T. 0.030 min
Lab File: BM044475.D
Acq: 01 Mar 2024 17:52

Tgt Ion:252 Resp: 2199015
Ion Ratio Lower Upper
252 100
253 21.4 17.4 26.0
125 11.6 9.4 14.2





#93

Benzo(a)pyrene

Concen: 40.518 ng/ul

RT: 24.115 min Scan# 3

Delta R.T. 0.030 min

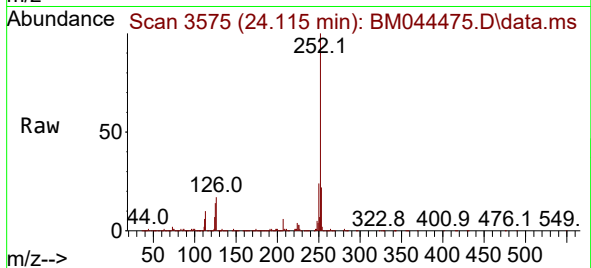
Lab File: BM044475.D

Acq: 01 Mar 2024 17:52

Instrument :

BNA_M

ClientSampleId :



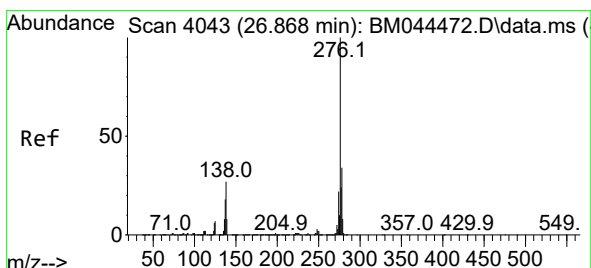
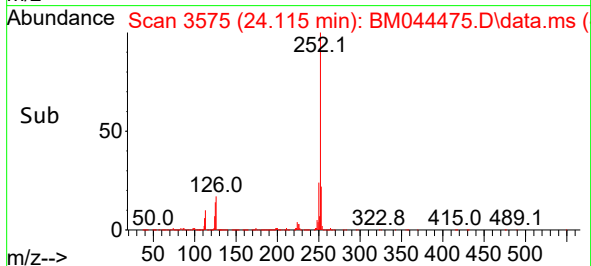
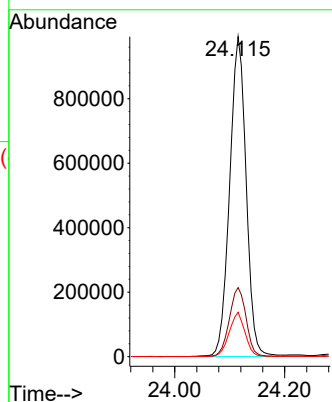
Tgt Ion:252 Resp: 2064646

Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.2

125 13.9 10.8 16.2



#94

Indeno(1,2,3-cd)pyrene

Concen: 39.817 ng/ul

RT: 26.915 min Scan# 4051

Delta R.T. 0.047 min

Lab File: BM044475.D

Acq: 01 Mar 2024 17:52

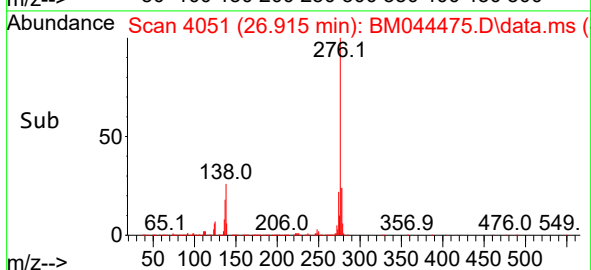
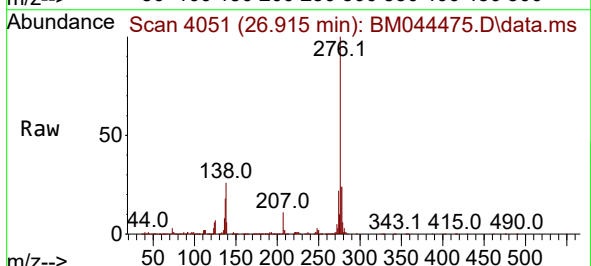
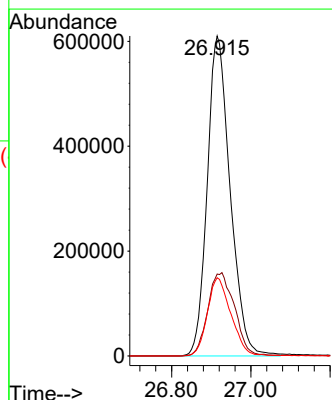
Tgt Ion:276 Resp: 2453589

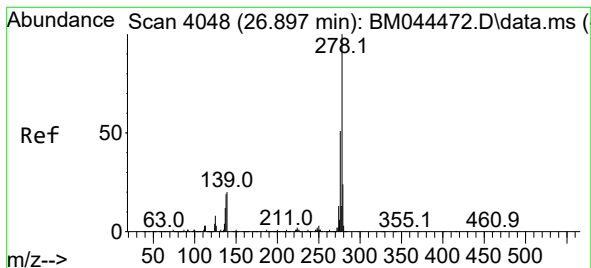
Ion Ratio Lower Upper

276 100

138 25.6 22.1 33.1

277 24.4 19.9 29.9





#95

Dibenzo(a,h)anthracene

Concen: 39.957 ng/ul

RT: 26.950 min Scan# 4048

Delta R.T. 0.053 min

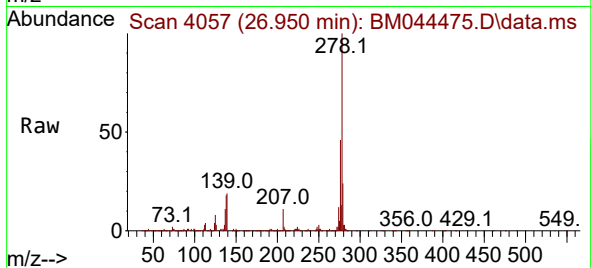
Lab File: BM044475.D

Acq: 01 Mar 2024 17:52

Instrument :

BNA_M

ClientSampleId :



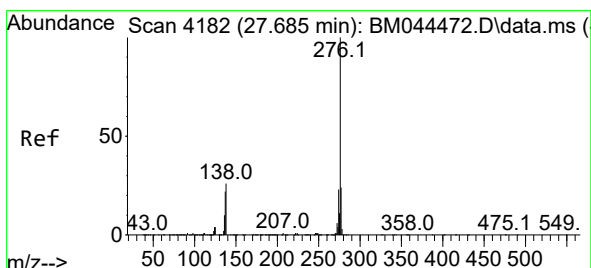
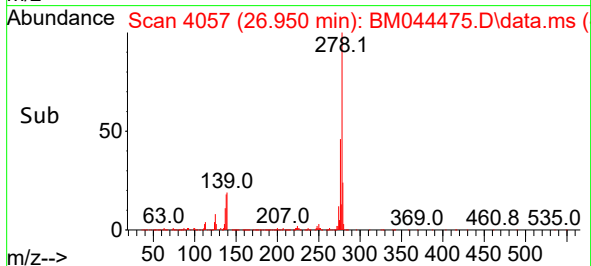
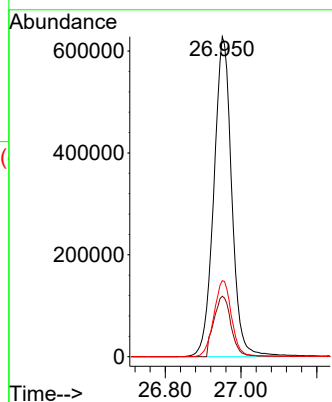
Tgt Ion:278 Resp: 2057578

Ion Ratio Lower Upper

278 100

139 18.9 14.9 22.3

279 23.8 19.5 29.3



#96

Benzo(g,h,i)perylene

Concen: 39.961 ng/ul

RT: 27.744 min Scan# 4192

Delta R.T. 0.059 min

Lab File: BM044475.D

Acq: 01 Mar 2024 17:52

Tgt Ion:276 Resp: 1991932

Ion Ratio Lower Upper

276 100

138 25.3 21.6 32.4

277 23.5 18.5 27.7

