

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071425\
 Data File : BM050431.D
 Acq On : 14 Jul 2025 18:14
 Operator : RC/JU
 Sample : PB168788BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB168788BS

Quant Time: Jul 15 02:01:38 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 08 18:32:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	410902	20.000	ng	0.00
21) Naphthalene-d8	10.657	136	1499583	20.000	ng	0.00
39) Acenaphthene-d10	14.486	164	913892	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	1674152	20.000	ng	0.00
76) Chrysene-d12	21.444	240	1869204	20.000	ng	-0.01
86) Perylene-d12	24.474	264	1912993	20.000	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	3410275	142.861	ng	0.00
7) Phenol-d6	7.028	99	4192105	139.308	ng	0.00
23) Nitrobenzene-d5	9.016	82	2427038	82.572	ng	0.00
42) 2,4,6-Tribromophenol	15.968	330	1641089	147.794	ng	0.00
45) 2-Fluorobiphenyl	13.116	172	6012193	81.242	ng	0.00
79) Terphenyl-d14	19.833	244	9178775	86.399	ng	-0.01

Target Compounds					Qvalue
2) 1,4-Dioxane	3.334	88	354083	36.072 ng	99
3) Pyridine	3.734	79	993354	38.547 ng	100
4) n-Nitrosodimethylamine	3.640	42	523935	43.611 ng	99
6) Aniline	7.187	93	1375105	35.607 ng	99
8) 2-Chlorophenol	7.428	128	1138606	45.234 ng	99
9) Benzaldehyde	6.998	77	738529	41.257 ng	98
10) Phenol	7.051	94	1428534	45.514 ng	100
11) bis(2-Chloroethyl)ether	7.281	93	1077060	42.849 ng	99
12) 1,3-Dichlorobenzene	7.751	146	1306803	42.696 ng	98
13) 1,4-Dichlorobenzene	7.898	146	1339491	42.860 ng	99
14) 1,2-Dichlorobenzene	8.216	146	1275534	42.631 ng	99
15) Benzyl Alcohol	8.098	79	912799	43.051 ng	100
16) 2,2'-oxybis(1-Chloropr...	8.392	45	1567033	42.324 ng	100
17) 2-Methylphenol	8.298	107	904070	44.411 ng	99
18) Hexachloroethane	8.951	117	469714	42.735 ng	98
19) n-Nitroso-di-n-propyla...	8.669	70	792240	43.458 ng	99
20) 3+4-Methylphenols	8.628	107	1200962	43.947 ng	99
22) Acetophenone	8.681	105	1664183	44.386 ng	# 99
24) Nitrobenzene	9.057	77	1176611	44.859 ng	99
25) Isophorone	9.586	82	2067521	43.348 ng	99
26) 2-Nitrophenol	9.769	139	508640	47.581 ng	100
27) 2,4-Dimethylphenol	9.828	122	1007327	44.284 ng	99
28) bis(2-Chloroethoxy)met...	10.063	93	1367703	43.276 ng	100
29) 2,4-Dichlorophenol	10.304	162	1076995	46.085 ng	98
30) 1,2,4-Trichlorobenzene	10.522	180	1210894	43.314 ng	99
31) Naphthalene	10.710	128	3313592	43.504 ng	100
32) Benzoic acid	9.951	122	571096	41.786 ng	97
33) 4-Chloroaniline	10.810	127	818576	25.421 ng	100
34) Hexachlorobutadiene	11.004	225	728983	42.723 ng	100
35) Caprolactam	11.586	113	271189	42.509 ng	99
36) 4-Chloro-3-methylphenol	11.927	107	982539	45.023 ng	99
37) 2-Methylnaphthalene	12.316	142	2108036	43.833 ng	99
38) 1-Methylnaphthalene	12.533	142	2201535	43.255 ng	100
40) 1,2,4,5-Tetrachloroben...	12.686	216	1342019	46.177 ng	99
41) Hexachlorocyclopentadiene	12.674	237	1764460	94.980 ng	99
43) 2,4,6-Trichlorophenol	12.921	196	834784	46.664 ng	96

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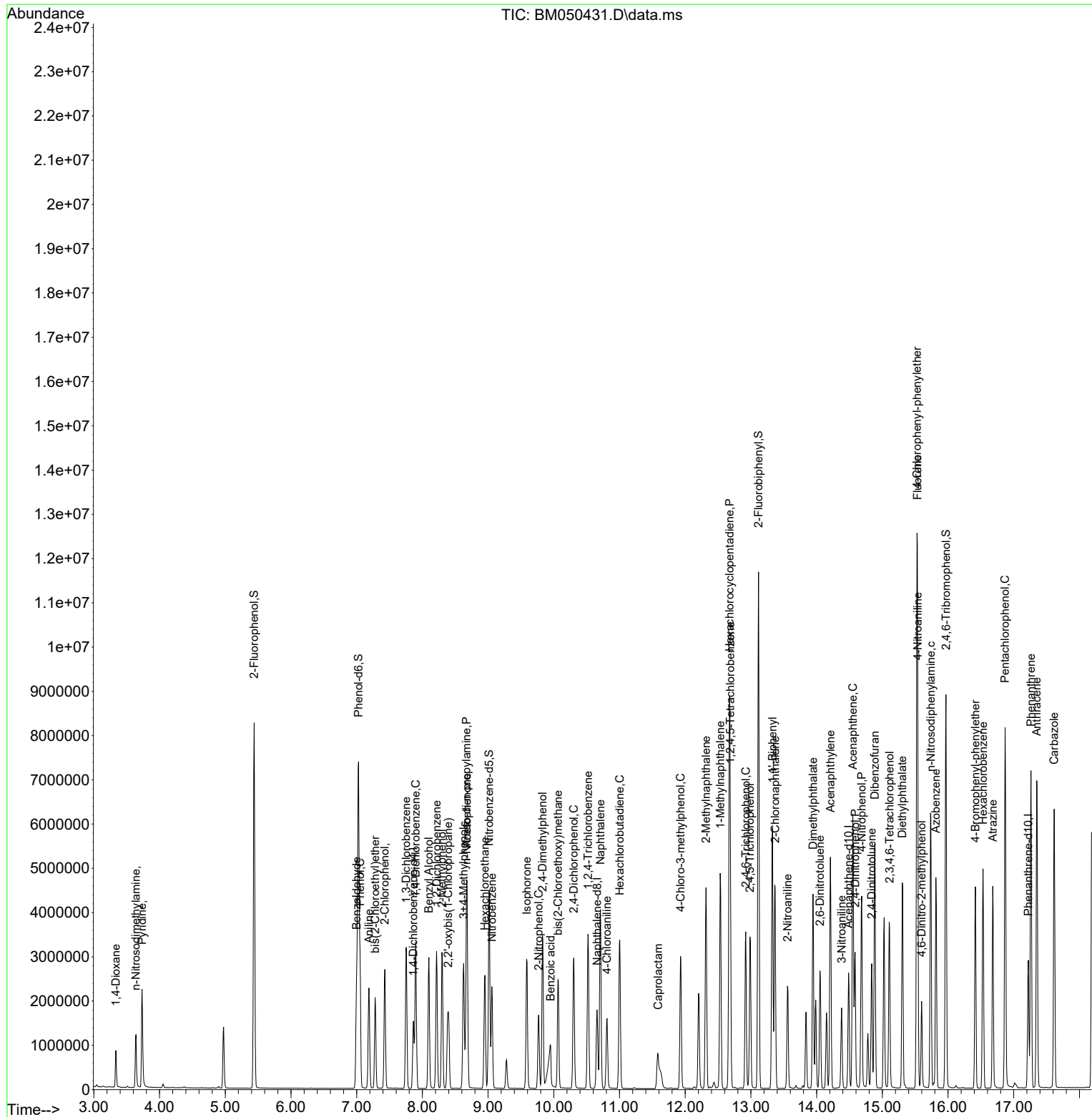
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.986	196	913532	46.758	ng	100
46) 1,1'-Biphenyl	13.327	154	3069158	45.265	ng	100
47) 2-Chloronaphthalene	13.368	162	2427840	44.909	ng	99
48) 2-Nitroaniline	13.557	65	588718	48.787	ng	96
49) Acenaphthylene	14.210	152	3717594	45.502	ng	99
50) Dimethylphthalate	13.945	163	2781645	44.210	ng	100
51) 2,6-Dinitrotoluene	14.051	165	570776	47.247	ng	94
52) Acenaphthene	14.551	154	2541717	48.933	ng	99
53) 3-Nitroaniline	14.380	138	431606	33.594	ng	96
54) 2,4-Dinitrophenol	14.586	184	608849	90.426	ng	88
55) Dibenzofuran	14.886	168	3538198	44.209	ng	100
56) 4-Nitrophenol	14.686	139	1087323	98.413	ng	93
57) 2,4-Dinitrotoluene	14.839	165	792052	44.035	ng	98
58) Fluorene	15.533	166	2935588	44.531	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.110	232	759225	46.164	ng	99
60) Diethylphthalate	15.304	149	2640194	43.928	ng	99
61) 4-Chlorophenyl-phenyle...	15.527	204	1529669	44.377	ng	98
62) 4-Nitroaniline	15.539	138	620148	42.310	ng	96
63) Azobenzene	15.815	77	2500757	45.313	ng	97
65) 4,6-Dinitro-2-methylph...	15.598	198	392369	44.166	ng	99
66) n-Nitrosodiphenylamine	15.739	169	2425721	46.304	ng	99
67) 4-Bromophenyl-phenylether	16.415	248	840929	45.590	ng	97
68) Hexachlorobenzene	16.533	284	998710	45.843	ng	98
69) Atrazine	16.680	200	807850	46.962	ng	99
70) Pentachlorophenol	16.868	266	1375686	101.440	ng	99
71) Phenanthrene	17.262	178	4251161	44.875	ng	99
72) Anthracene	17.351	178	4295445	45.552	ng	100
73) Carbazole	17.615	167	3933983	46.107	ng	99
74) Di-n-butylphthalate	18.186	149	4300123	46.045	ng	100
75) Fluoranthene	19.268	202	4759904	46.219	ng	99
77) Benzidine	19.445	184	2302291	48.290	ng	100
78) Pyrene	19.627	202	5114562	42.723	ng	100
80) Butylbenzylphthalate	20.521	149	1906091	48.288	ng	97
81) Benzo(a)anthracene	21.421	228	5571833	45.749	ng	100
82) 3,3'-Dichlorobenzidine	21.344	252	1527630	37.194	ng	99
83) Chrysene	21.486	228	5204746	45.308	ng	100
84) Bis(2-ethylhexyl)phtha...	21.356	149	3029641	48.348	ng	99
85) Di-n-octyl phthalate	22.503	149	4987537	50.819	ng	99
87) Indeno(1,2,3-cd)pyrene	27.903	276	6500550	47.794	ng	100
88) Benzo(b)fluoranthene	23.515	252	5592865	47.531	ng	99
89) Benzo(k)fluoranthene	23.580	252	5625472	46.074	ng	100
90) Benzo(a)pyrene	24.332	252	5256838	47.724	ng	99
91) Dibenzo(a,h)anthracene	27.968	278	5487663	47.908	ng	99
92) Benzo(g,h,i)perylene	28.979	276	5175849	47.810	ng	99

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

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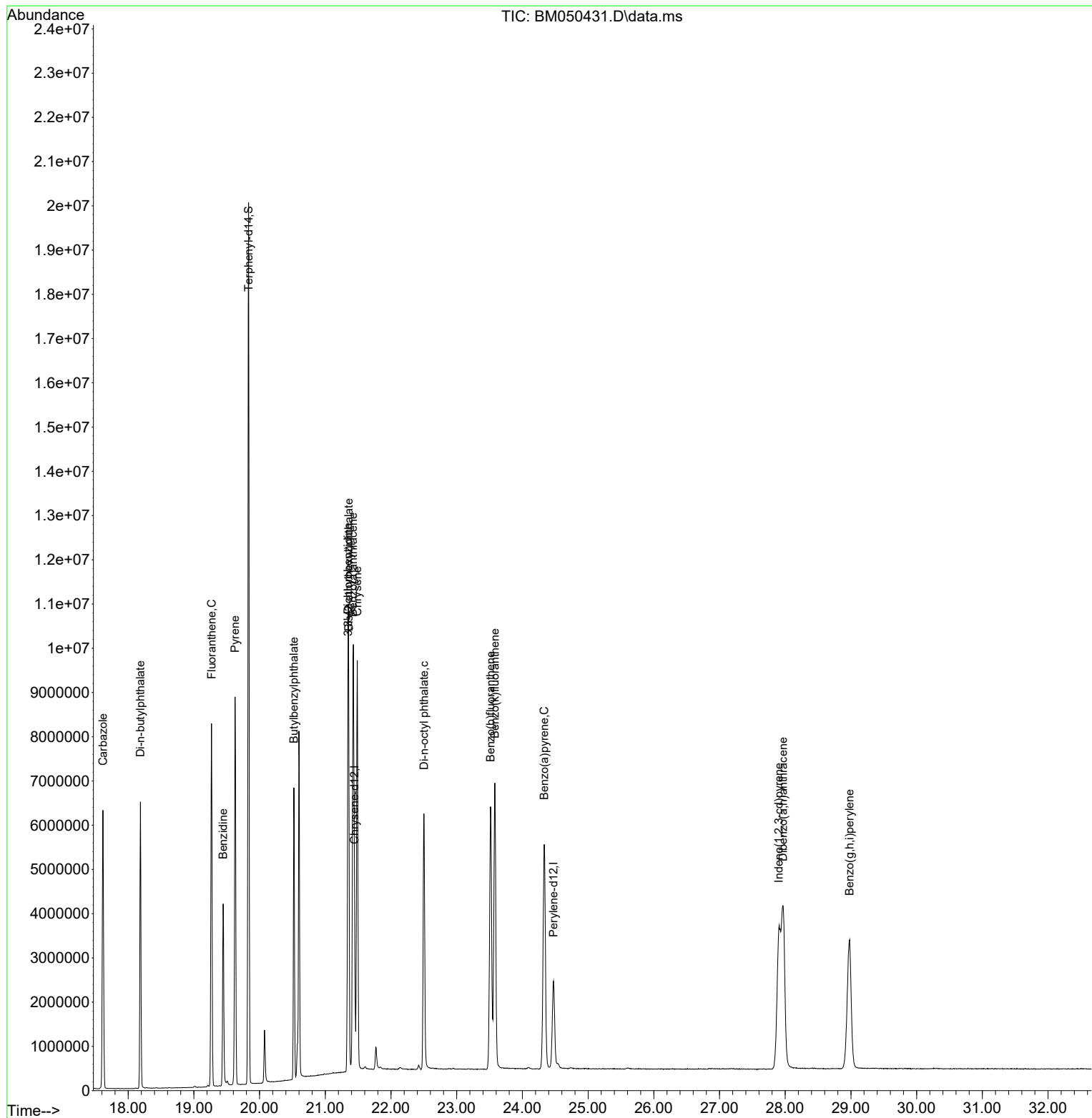
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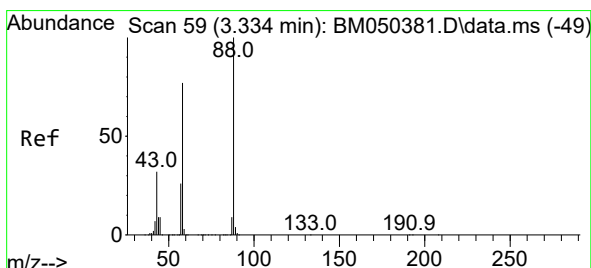
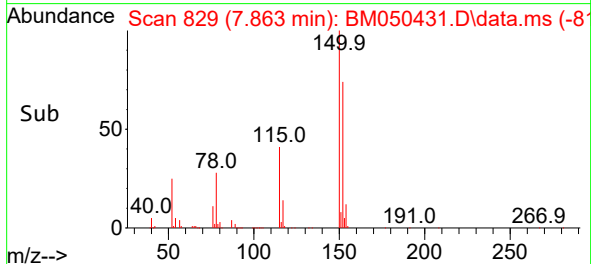
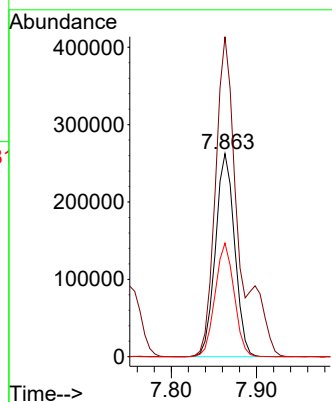
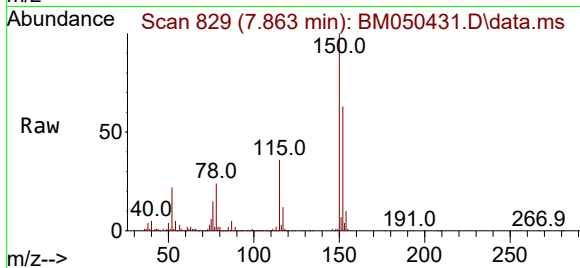




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.863 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: BM050431.D
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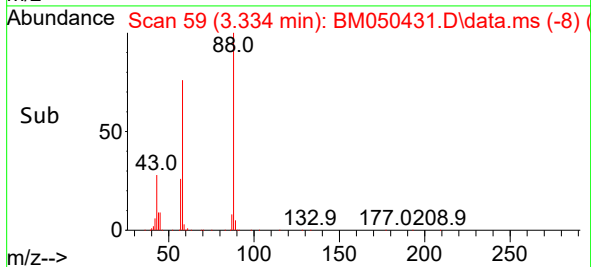
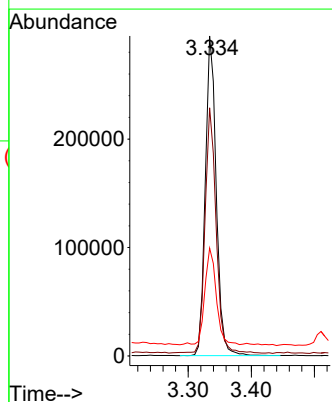
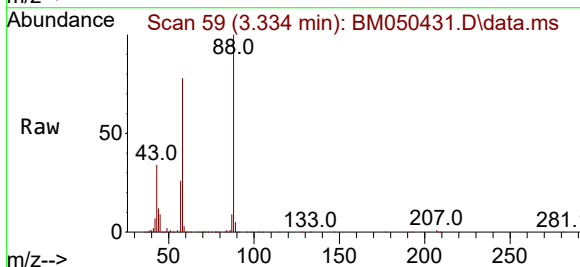
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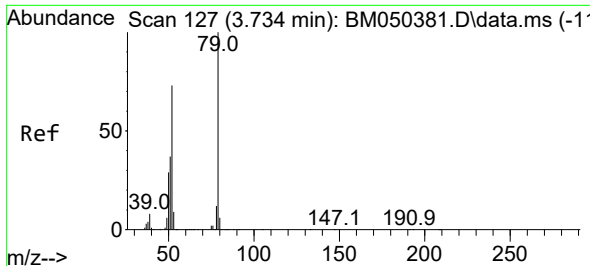
Tgt Ion:152 Resp: 410902
 Ion Ratio Lower Upper
 152 100
 150 157.7 126.2 189.4
 115 56.0 45.8 68.8



#2
 1,4-Dioxane
 Concen: 36.072 ng
 RT: 3.334 min Scan# 59
 Delta R.T. 0.000 min
 Lab File: BM050431.D
 Acq: 14 Jul 2025 18:14

Tgt Ion: 88 Resp: 354083
 Ion Ratio Lower Upper
 88 100
 58 77.8 61.0 91.6
 43 31.2 24.6 37.0



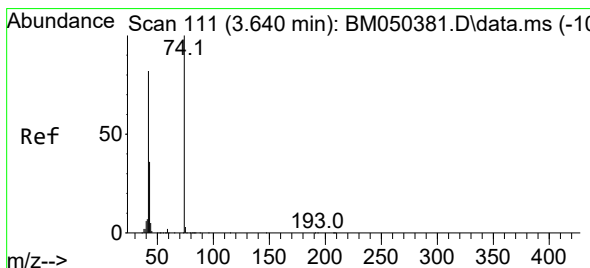
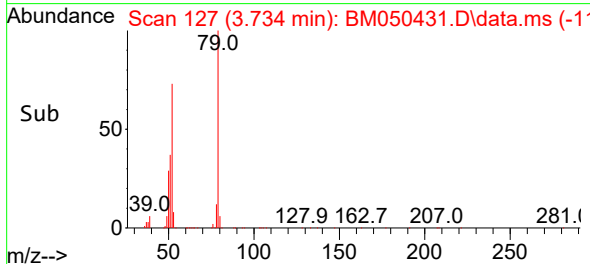
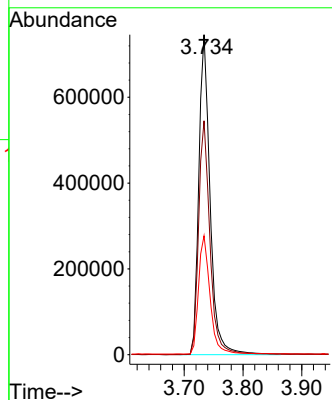
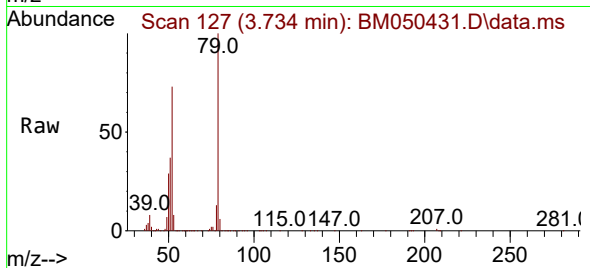


#3
 Pyridine
 Concen: 38.547 ng
 RT: 3.734 min Scan# 127
 Delta R.T. 0.000 min
 Lab File: BM050431.D
 Acq: 14 Jul 2025 18:14

Instrument :
 BNA_M
 ClientSampleId :
 PB168788BS

Tgt Ion: 79 Resp: 993354

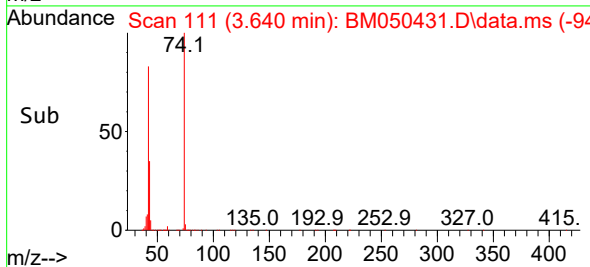
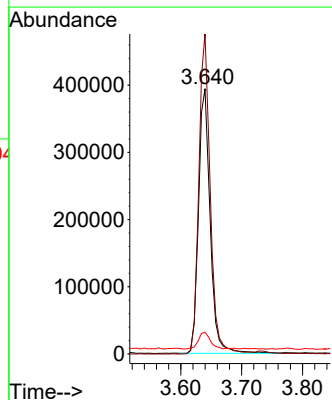
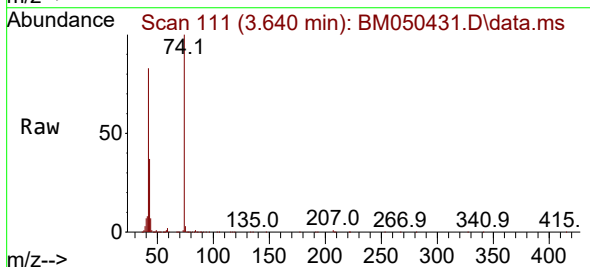
Ion	Ratio	Lower	Upper
79	100		
52	73.1	58.3	87.5
51	37.2	29.6	44.4

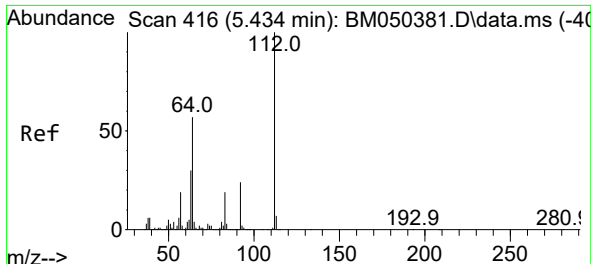


#4
 n-Nitrosodimethylamine
 Concen: 43.611 ng
 RT: 3.640 min Scan# 111
 Delta R.T. 0.000 min
 Lab File: BM050431.D
 Acq: 14 Jul 2025 18:14

Tgt Ion: 42 Resp: 523935

Ion	Ratio	Lower	Upper
42	100		
74	120.6	97.5	146.3
44	8.1	5.7	8.5

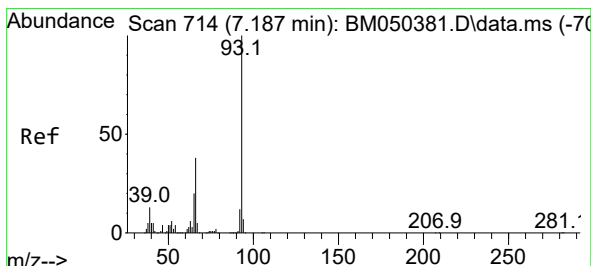
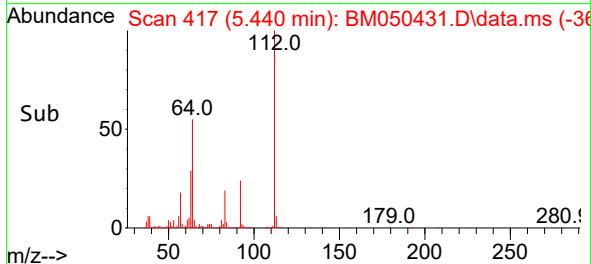
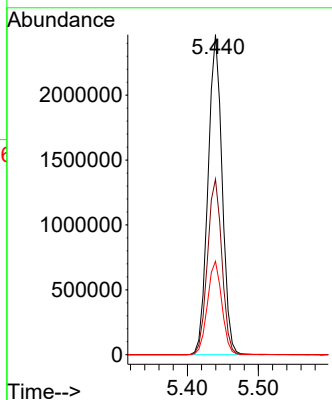
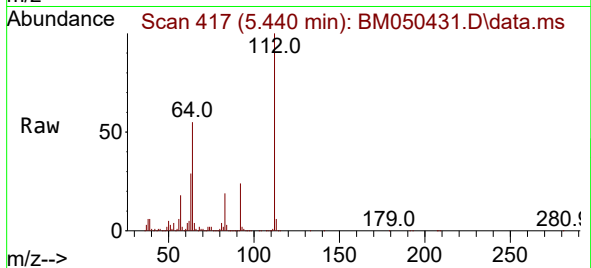




#5
2-Fluorophenol
Concen: 142.861 ng
RT: 5.440 min Scan# 416
Delta R.T. 0.006 min
Lab File: BM050431.D
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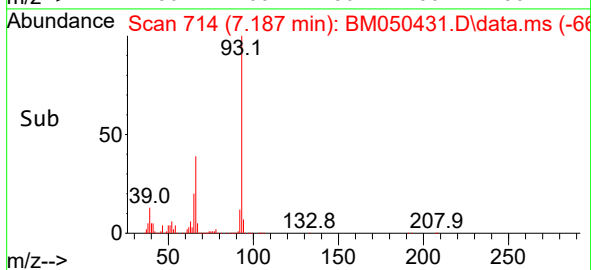
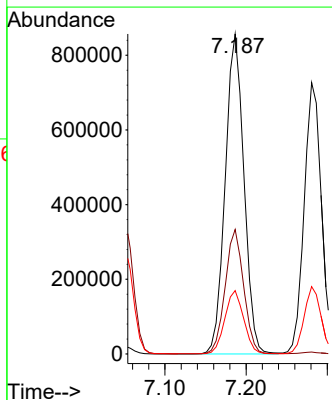
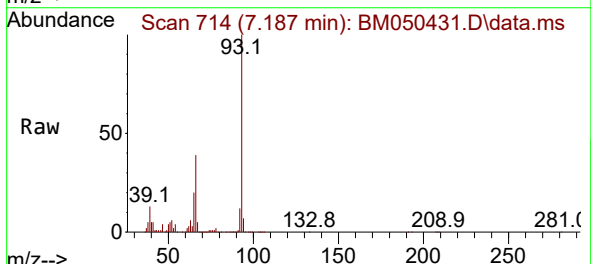
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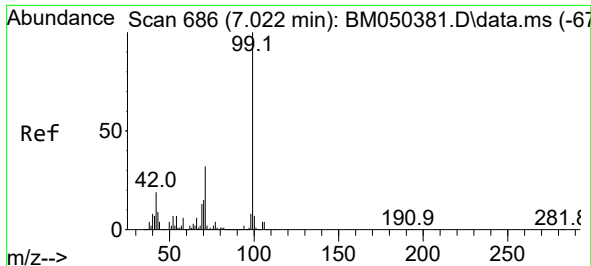
Tgt Ion:112 Resp: 3410275
Ion Ratio Lower Upper
112 100
64 54.9 45.5 68.3
63 29.2 24.2 36.4



#6
Aniline
Concen: 35.607 ng
RT: 7.187 min Scan# 714
Delta R.T. 0.000 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

Tgt Ion: 93 Resp: 1375105
Ion Ratio Lower Upper
93 100
66 38.9 30.5 45.7
65 19.8 15.9 23.9

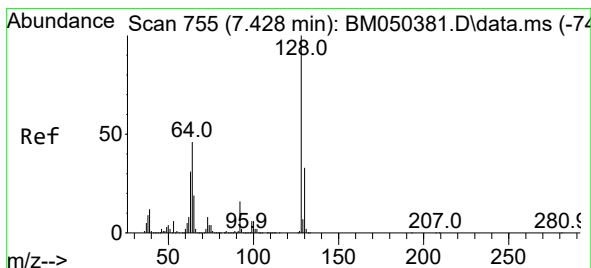
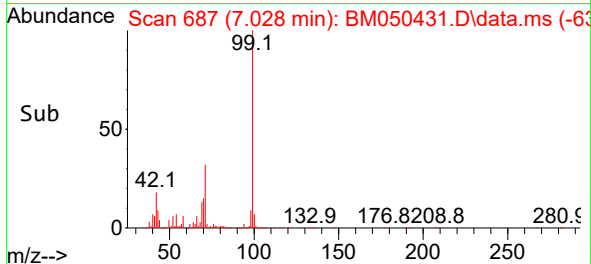
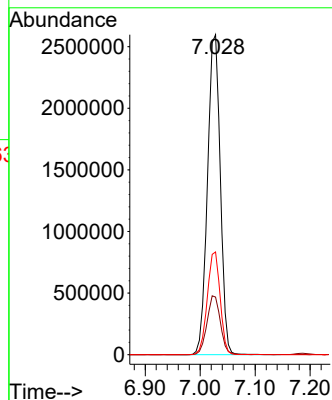
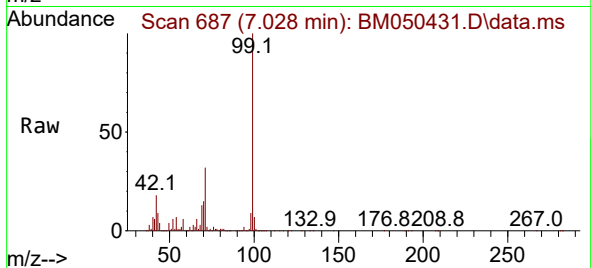




#7
Phenol-d6
Concen: 139.308 ng
RT: 7.028 min Scan# 687
Delta R.T. 0.006 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

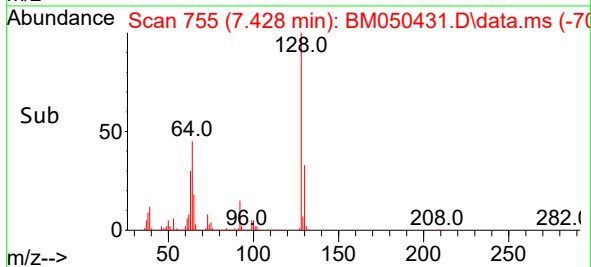
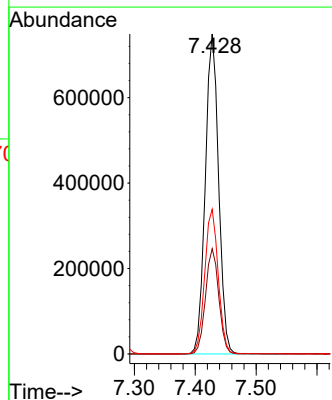
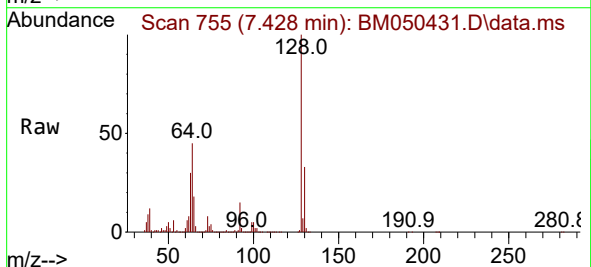
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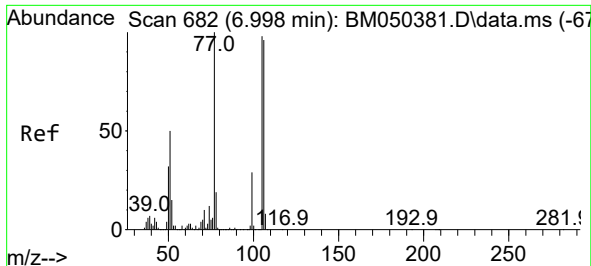
Tgt Ion: 99 Resp: 4192105
Ion Ratio Lower Upper
99 100
42 18.0 15.0 22.6
71 32.1 25.9 38.9



#8
2-Chlorophenol
Concen: 45.234 ng
RT: 7.428 min Scan# 755
Delta R.T. 0.000 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

Tgt Ion: 128 Resp: 1138606
Ion Ratio Lower Upper
128 100
130 32.9 13.3 53.3
64 45.2 25.6 65.6

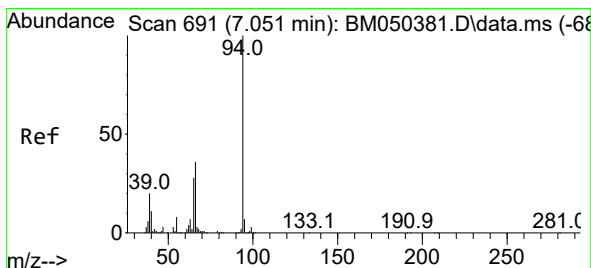
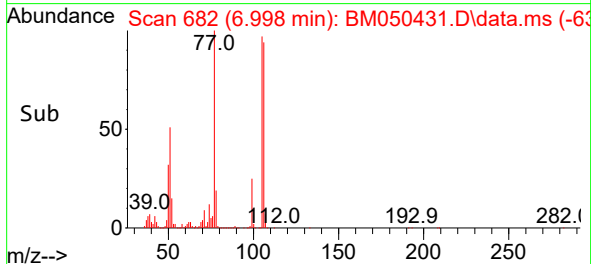
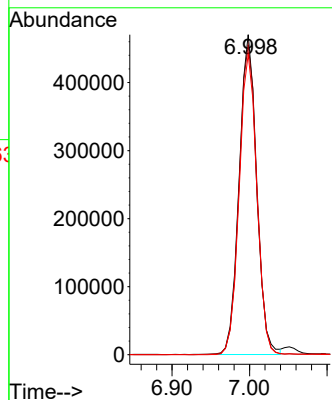
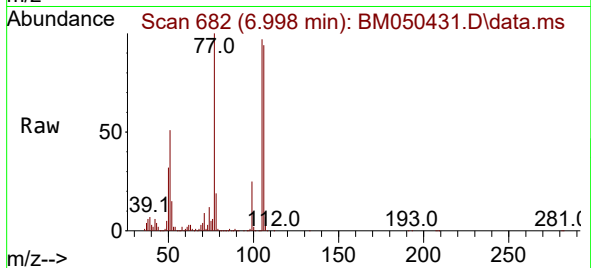




#9
Benzaldehyde
Concen: 41.257 ng
RT: 6.998 min Scan# 682
Delta R.T. 0.000 min
Lab File: BM050431.D
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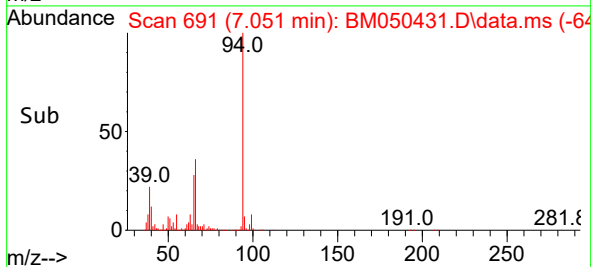
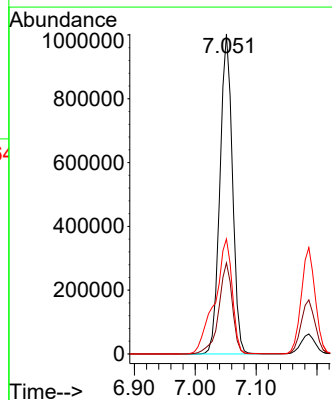
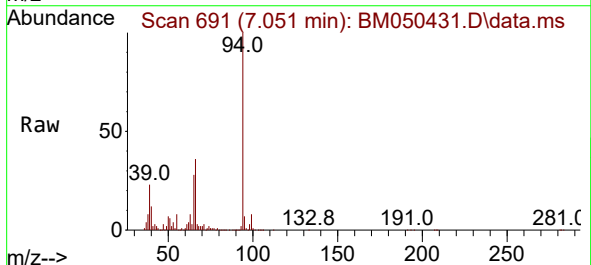
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ClientSampleId :
PB168788BS

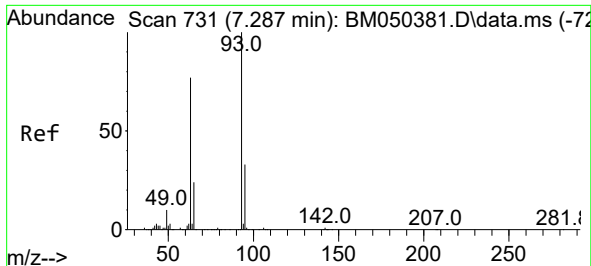
Tgt Ion: 77 Resp: 738529
Ion Ratio Lower Upper
77 100
105 96.8 78.4 118.4
106 93.8 76.3 116.3



#10
Phenol
Concen: 45.514 ng
RT: 7.051 min Scan# 691
Delta R.T. 0.000 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

Tgt Ion: 94 Resp: 1428534
Ion Ratio Lower Upper
94 100
65 28.5 8.1 48.1
66 36.0 15.8 55.8

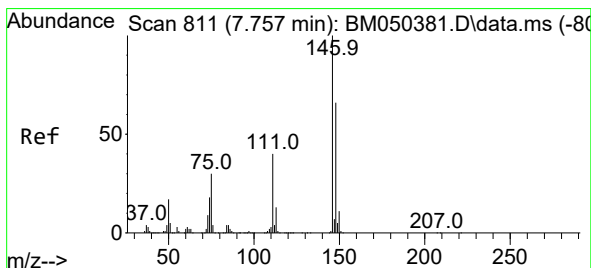
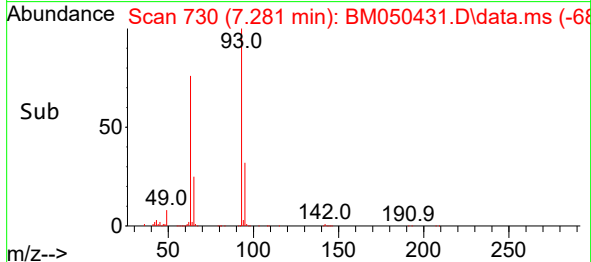
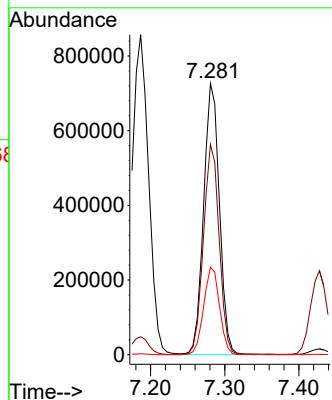
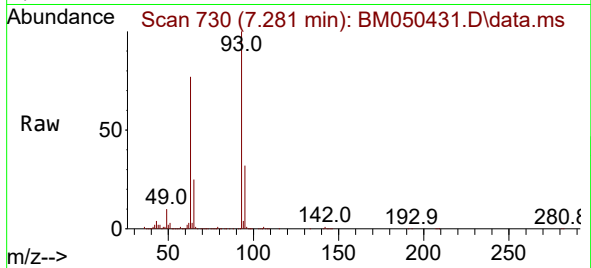




#11
bis(2-Chloroethyl)ether
Concen: 42.849 ng
RT: 7.281 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

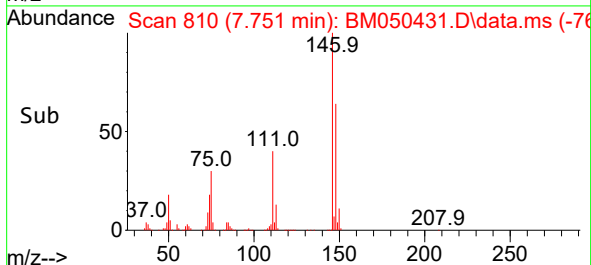
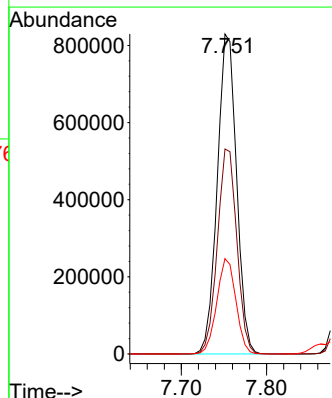
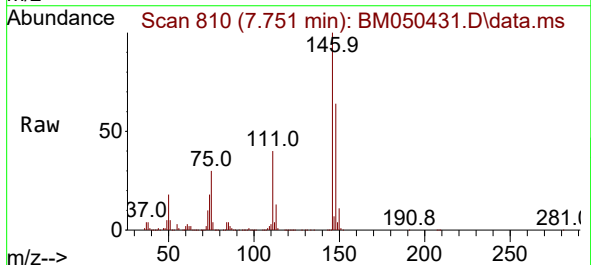
Instrument :
BNA_M
ClientSampleId :
PB168788BS

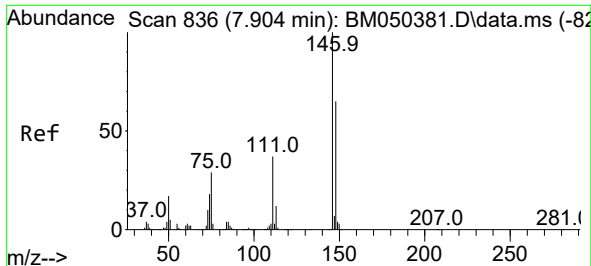
Tgt Ion: 93 Resp: 1077060
Ion Ratio Lower Upper
93 100
63 77.5 56.9 96.9
95 32.2 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 42.696 ng
RT: 7.751 min Scan# 810
Delta R.T. -0.006 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

Tgt Ion:146 Resp: 1306803
Ion Ratio Lower Upper
146 100
148 64.1 53.2 79.8
75 29.8 23.9 35.9

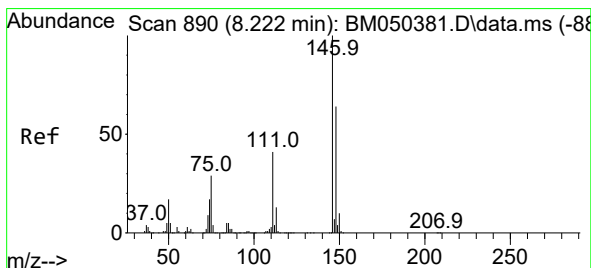
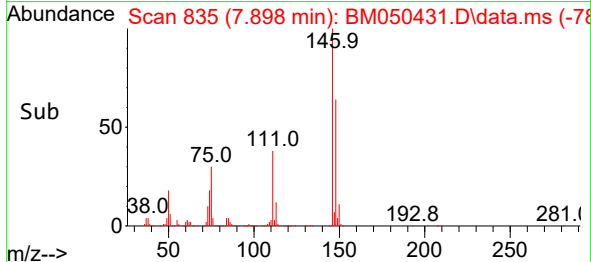
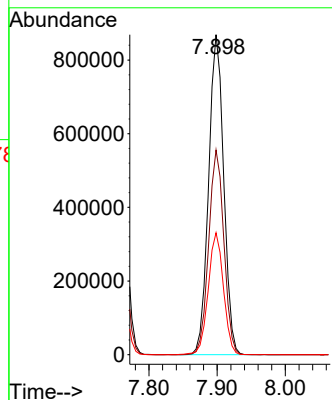
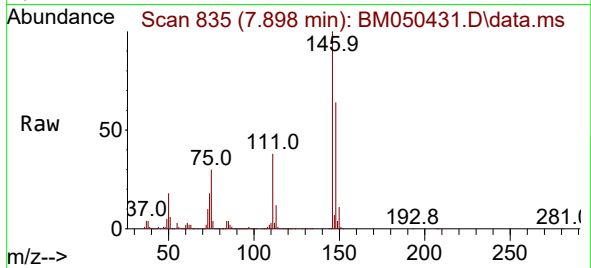




#13
1,4-Dichlorobenzene
Concen: 42.860 ng
RT: 7.898 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

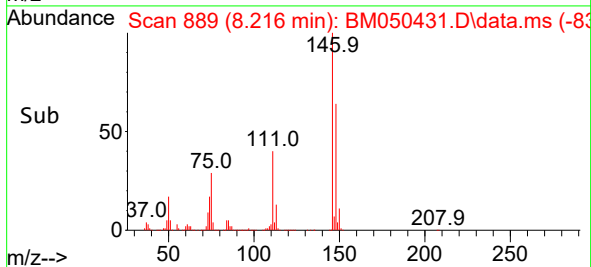
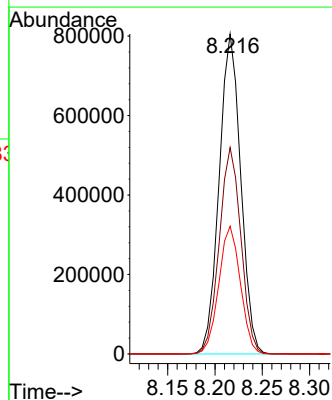
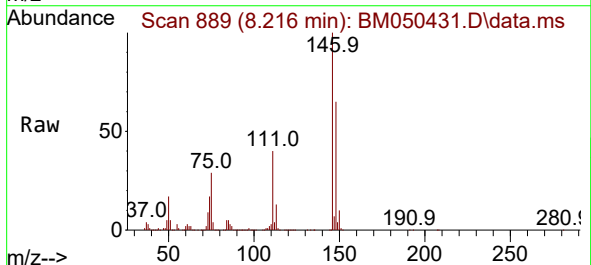
Instrument :
BNA_M
ClientSampleId :
PB168788BS

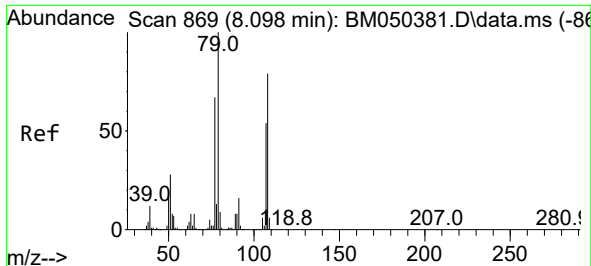
Tgt Ion:146 Resp: 1339491
Ion Ratio Lower Upper
146 100
148 63.9 51.9 77.9
111 38.1 30.0 45.0



#14
1,2-Dichlorobenzene
Concen: 42.631 ng
RT: 8.216 min Scan# 889
Delta R.T. -0.006 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

Tgt Ion:146 Resp: 1275534
Ion Ratio Lower Upper
146 100
148 64.5 51.5 77.3
111 39.9 32.6 49.0

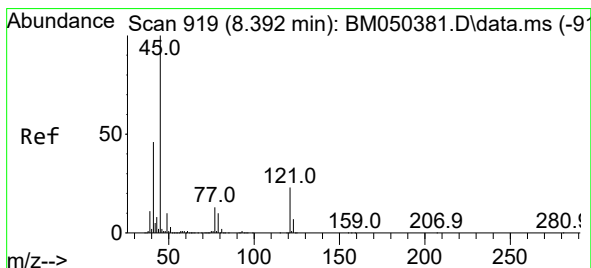
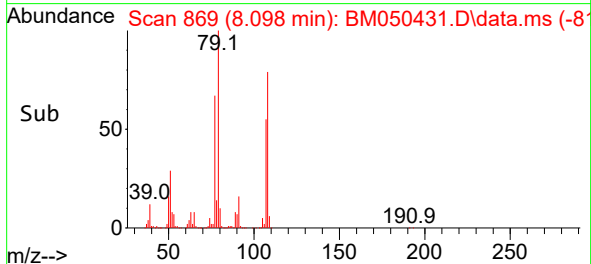
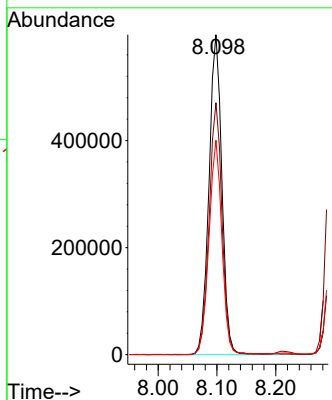
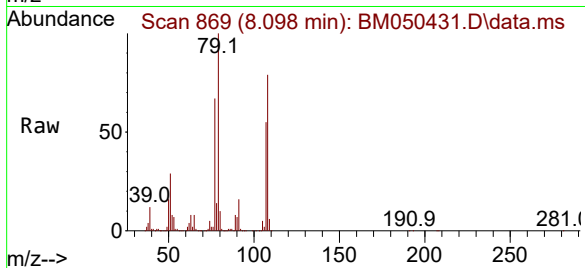




#15
Benzyl Alcohol
Concen: 43.051 ng
RT: 8.098 min Scan# 869
Delta R.T. 0.000 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

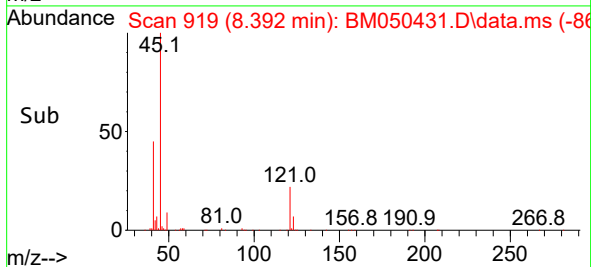
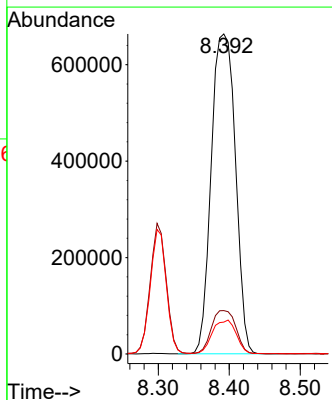
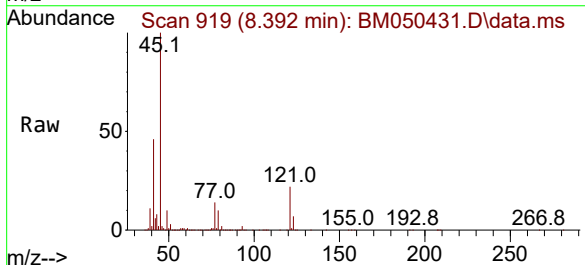
Instrument :
BNA_M
ClientSampleId :
PB168788BS

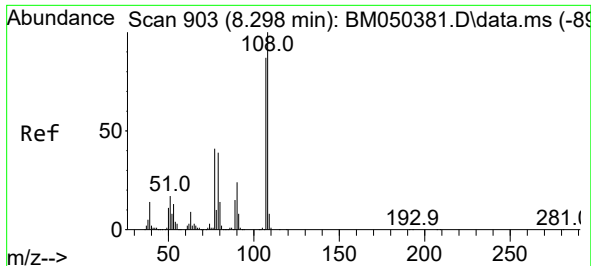
Tgt Ion: 79 Resp: 912799
Ion Ratio Lower Upper
79 100
108 78.7 63.0 94.4
77 67.0 53.4 80.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.324 ng
RT: 8.392 min Scan# 919
Delta R.T. 0.000 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

Tgt Ion: 45 Resp: 1567033
Ion Ratio Lower Upper
45 100
77 13.6 0.0 33.5
79 10.0 0.0 30.3

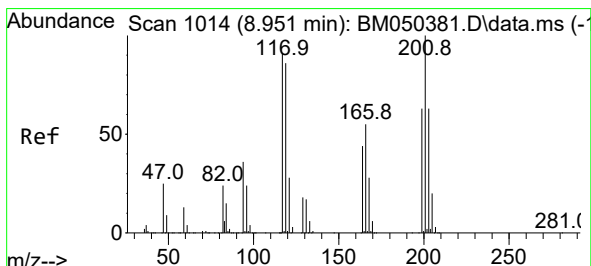
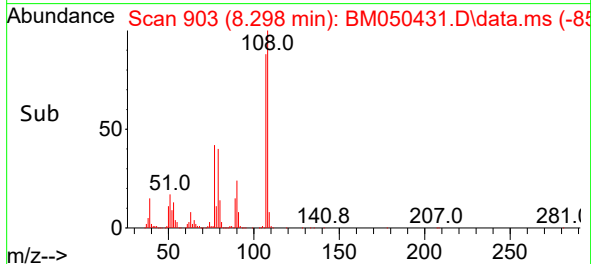
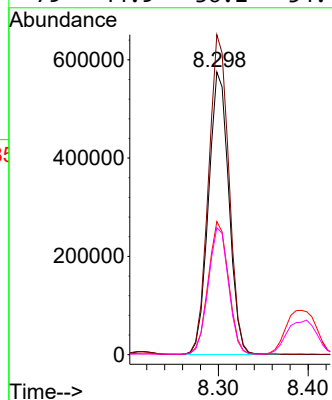
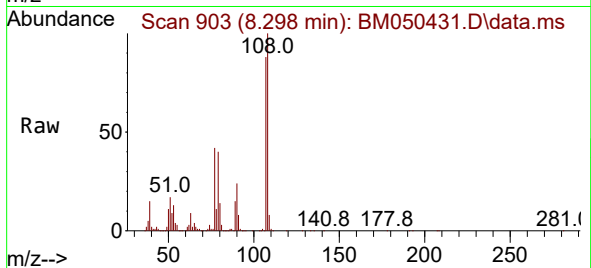




#17
2-Methylphenol
Concen: 44.411 ng
RT: 8.298 min Scan# 903
Delta R.T. 0.000 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

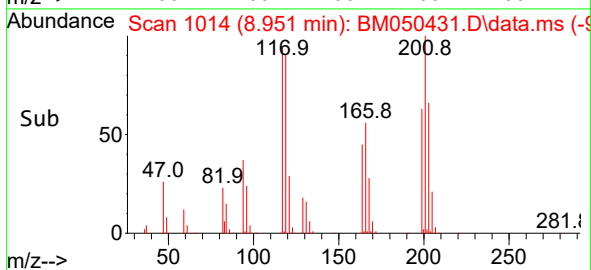
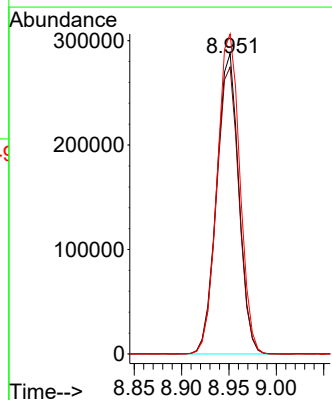
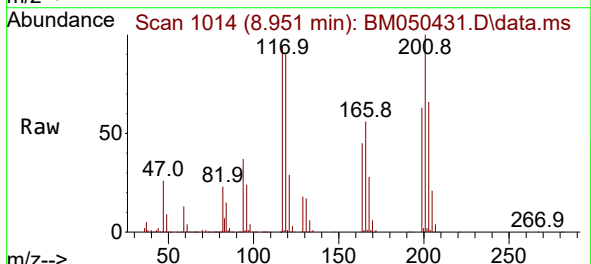
Instrument :
BNA_M
ClientSampleId :
PB168788BS

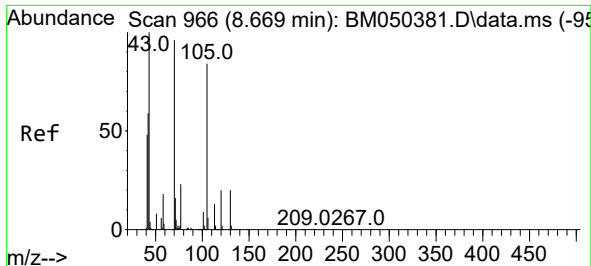
Tgt Ion:107 Resp: 904070
Ion Ratio Lower Upper
107 100
108 113.2 92.1 138.1
77 47.1 38.2 57.4
79 44.9 36.2 54.4



#18
Hexachloroethane
Concen: 42.735 ng
RT: 8.951 min Scan# 1014
Delta R.T. 0.000 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

Tgt Ion:117 Resp: 469714
Ion Ratio Lower Upper
117 100
119 95.4 75.6 113.4
201 106.5 87.9 131.9

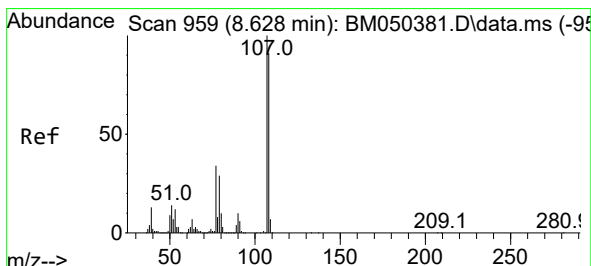
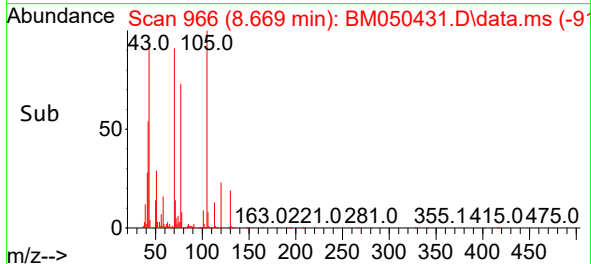
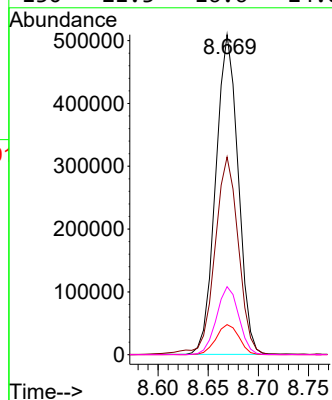
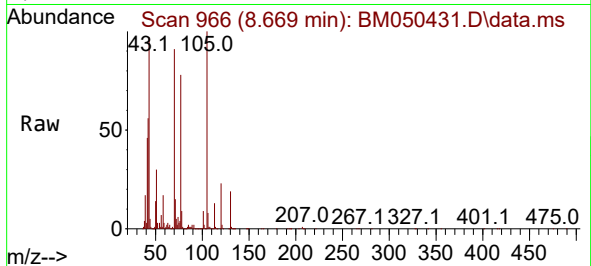




#19
n-Nitroso-di-n-propylamine
Concen: 43.458 ng
RT: 8.669 min Scan# 966
Delta R.T. 0.000 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

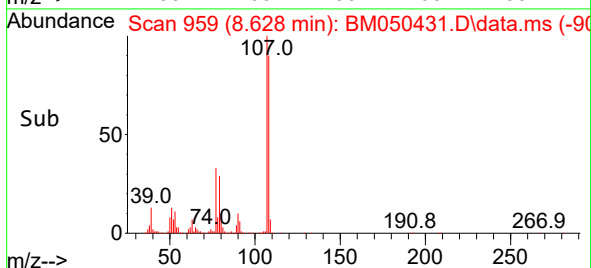
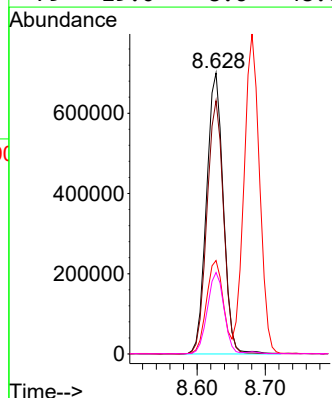
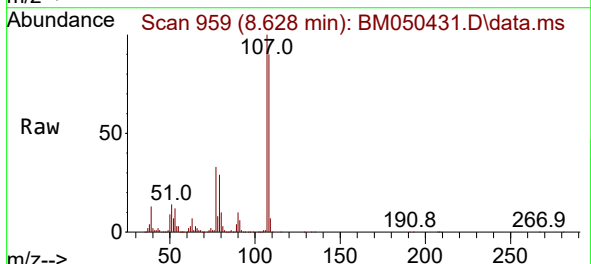
Instrument :
BNA_M
ClientSampleId :
PB168788BS

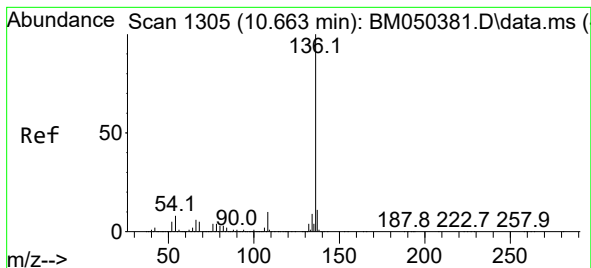
Tgt Ion: 70 Resp: 792240
Ion Ratio Lower Upper
70 100
42 61.8 49.7 74.5
101 9.4 7.7 11.5
130 21.3 16.6 24.8



#20
3+4-Methylphenols
Concen: 43.947 ng
RT: 8.628 min Scan# 959
Delta R.T. 0.000 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

Tgt Ion: 107 Resp: 1200962
Ion Ratio Lower Upper
107 100
108 90.1 71.5 111.5
77 33.2 13.7 53.7
79 29.0 8.6 48.6



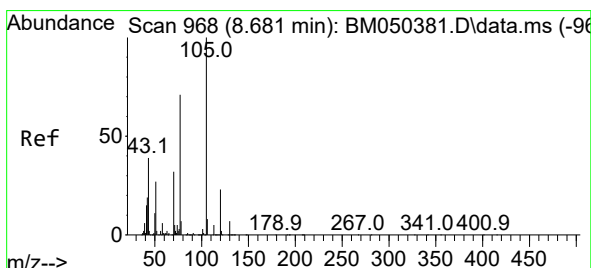
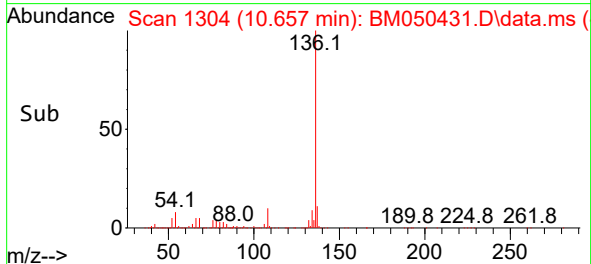
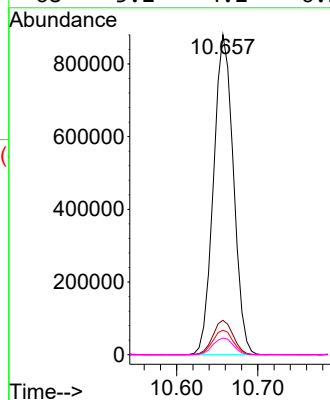
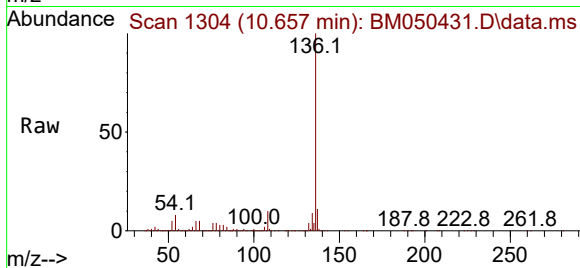


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.657 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

Instrument :
BNA_M
ClientSampleId :
PB168788BS

Tgt Ion:136 Resp: 1499583

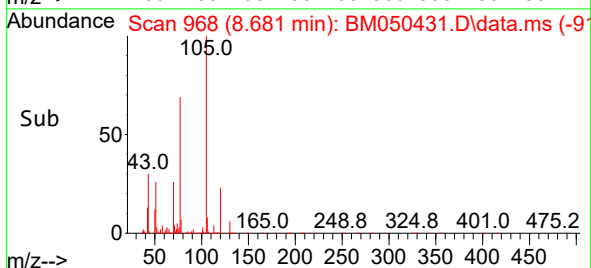
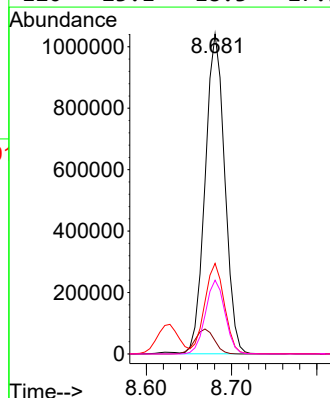
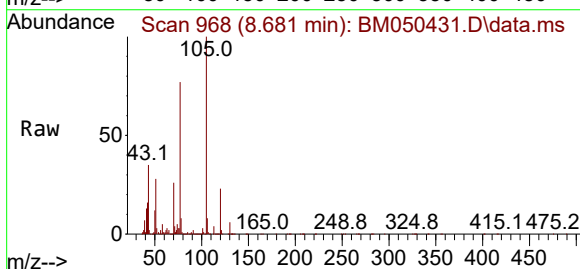
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	7.6	6.3	9.5
68	5.2	4.2	6.2

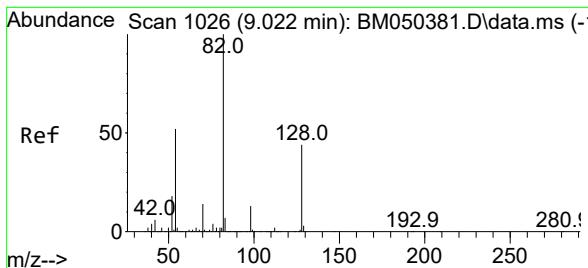


#22
Acetophenone
Concen: 44.386 ng
RT: 8.681 min Scan# 968
Delta R.T. 0.000 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

Tgt Ion:105 Resp: 1664183

Ion	Ratio	Lower	Upper
105	100		
71	4.1	4.4	6.6#
51	28.3	23.0	34.6
120	23.1	18.3	27.5

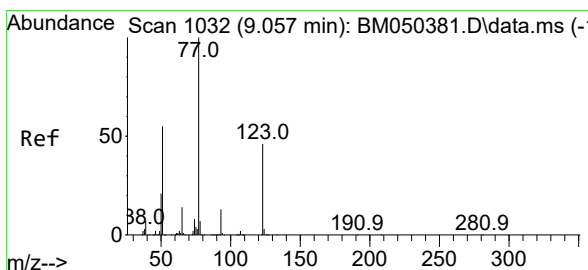
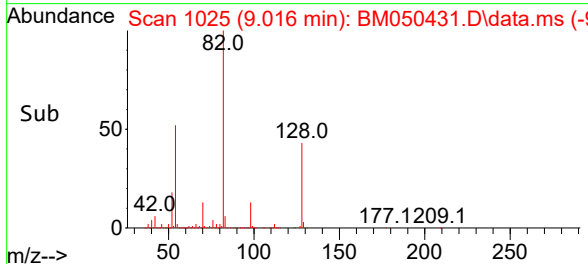
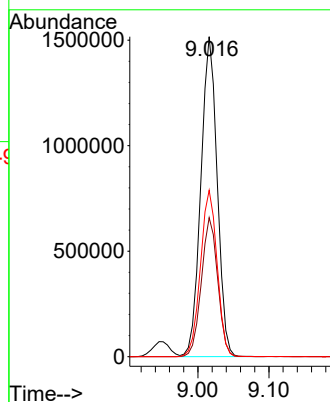
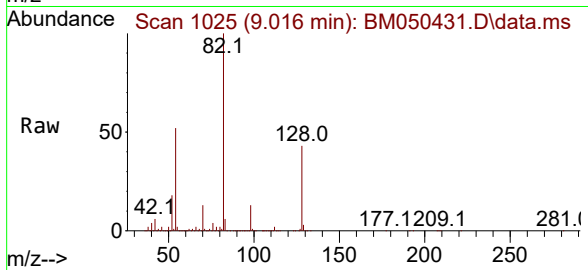




#23
Nitrobenzene-d5
Concen: 82.572 ng
RT: 9.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

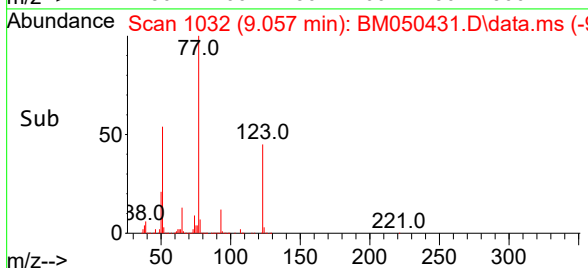
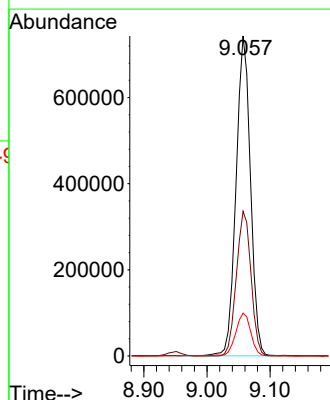
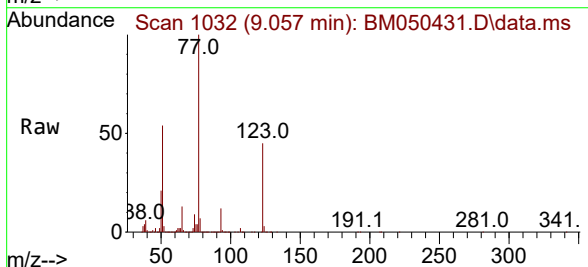
Instrument :
BNA_M
ClientSampleId :
PB168788BS

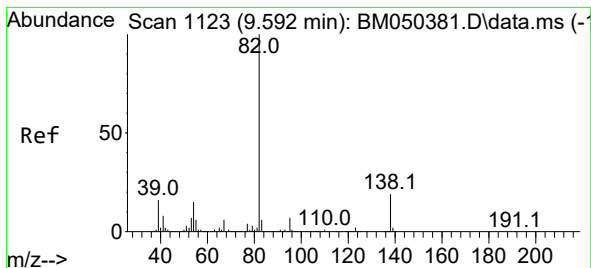
Tgt Ion: 82 Resp: 2427038
Ion Ratio Lower Upper
82 100
128 43.5 35.2 52.8
54 52.0 41.5 62.3



#24
Nitrobenzene
Concen: 44.859 ng
RT: 9.057 min Scan# 1032
Delta R.T. 0.000 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

Tgt Ion: 77 Resp: 1176611
Ion Ratio Lower Upper
77 100
123 45.2 37.0 55.6
65 13.4 11.0 16.4





#25

Isophorone

Concen: 43.348 ng

RT: 9.586 min Scan# 1122

Delta R.T. -0.006 min

Lab File: BM050431.D

Acq: 14 Jul 2025 18:14

Instrument :

BNA_M

ClientSampleId :

PB168788BS

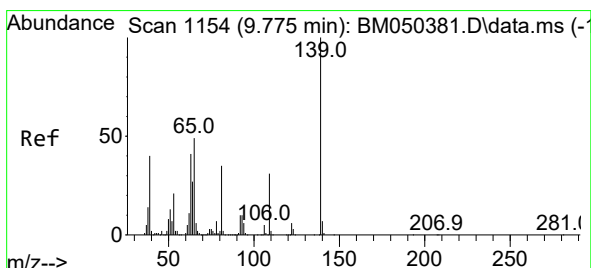
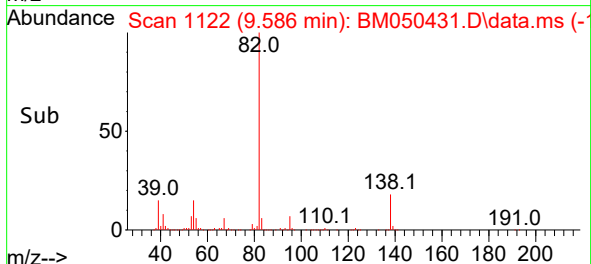
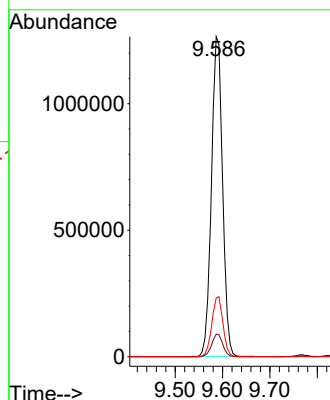
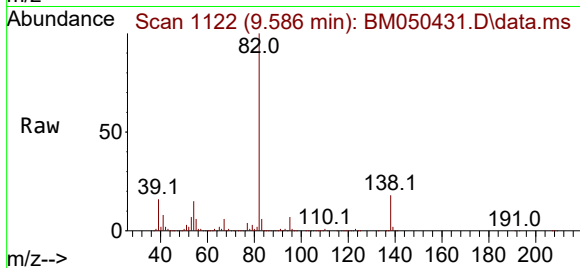
Tgt Ion: 82 Resp: 2067521

Ion Ratio Lower Upper

82 100

95 7.0 5.6 8.4

138 18.3 15.3 22.9



#26

2-Nitrophenol

Concen: 47.581 ng

RT: 9.769 min Scan# 1153

Delta R.T. -0.006 min

Lab File: BM050431.D

Acq: 14 Jul 2025 18:14

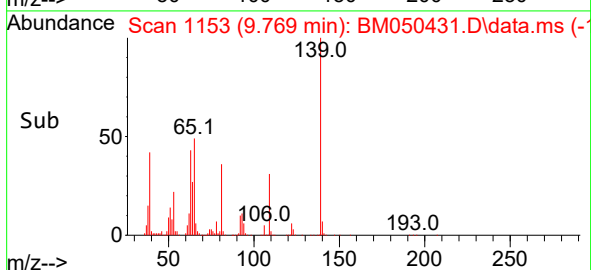
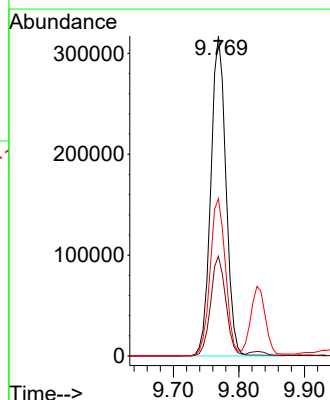
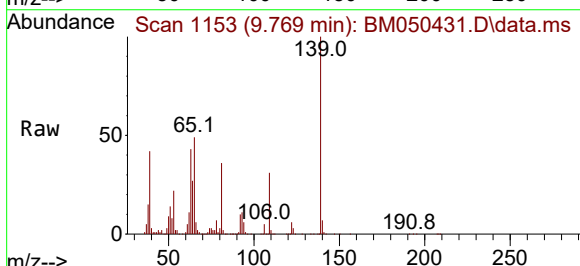
Tgt Ion:139 Resp: 508640

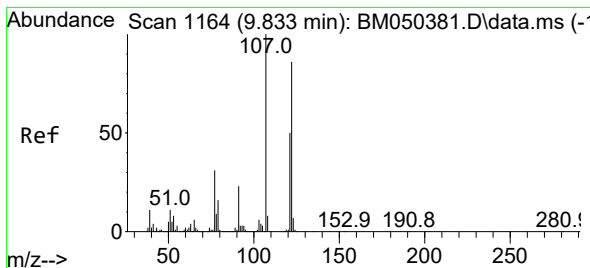
Ion Ratio Lower Upper

139 100

109 31.2 24.6 36.8

65 49.2 39.2 58.8

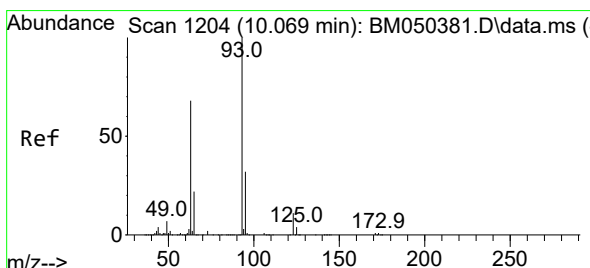
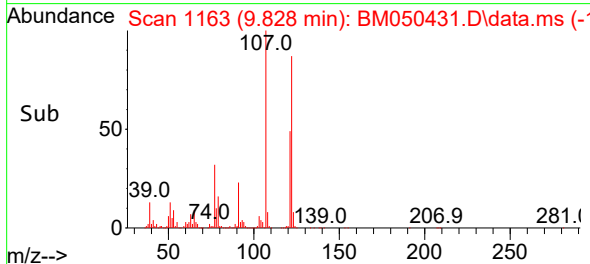
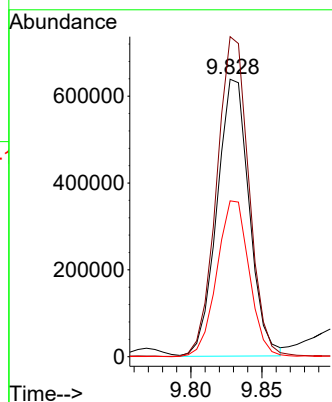
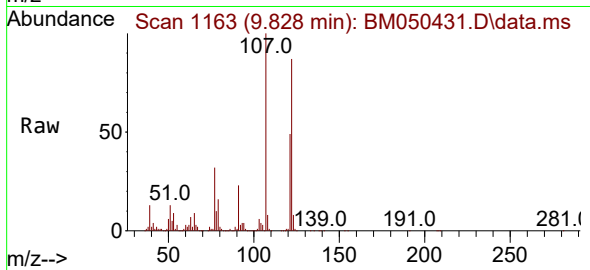




#27
2,4-Dimethylphenol
Concen: 44.284 ng
RT: 9.828 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

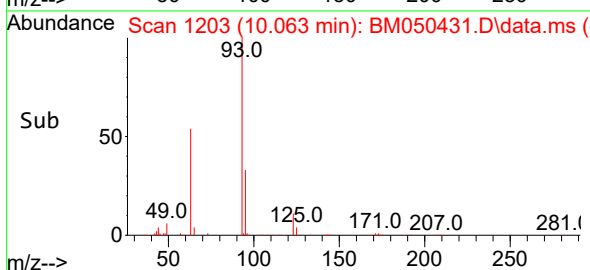
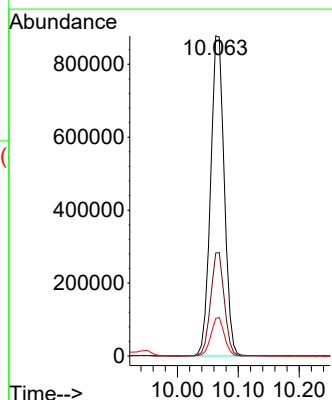
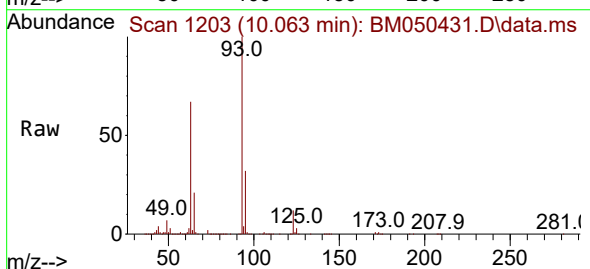
Instrument :
BNA_M
ClientSampleId :
PB168788BS

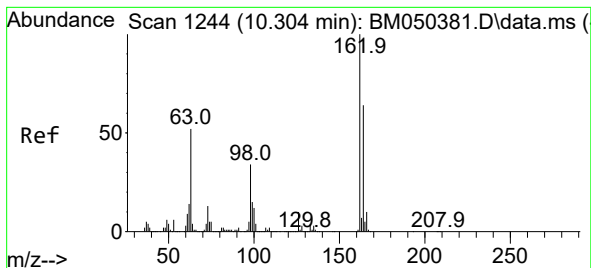
Tgt Ion:122 Resp: 1007327
Ion Ratio Lower Upper
122 100
107 115.3 93.0 139.6
121 56.2 46.1 69.1



#28
bis(2-Chloroethoxy)methane
Concen: 43.276 ng
RT: 10.063 min Scan# 1203
Delta R.T. -0.006 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

Tgt Ion: 93 Resp: 1367703
Ion Ratio Lower Upper
93 100
95 32.2 25.8 38.6
123 11.7 9.1 13.7

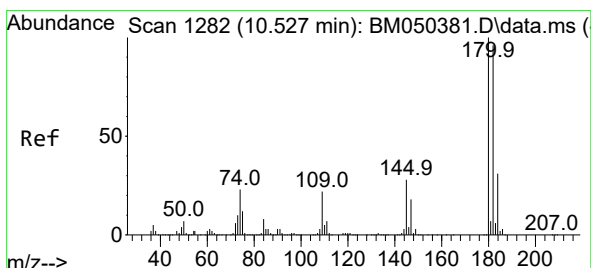
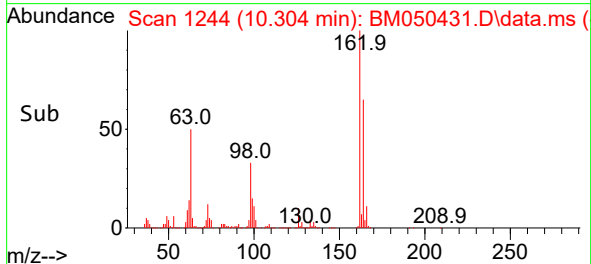
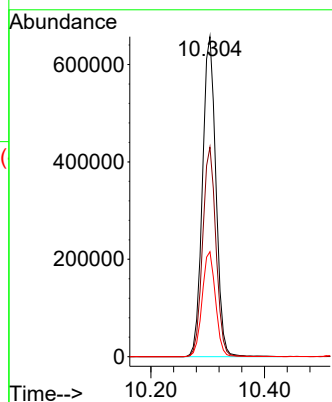
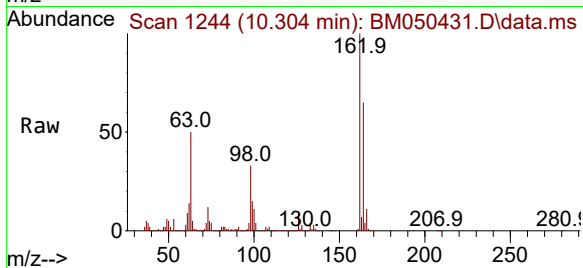




#29
2,4-Dichlorophenol
Concen: 46.085 ng
RT: 10.304 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

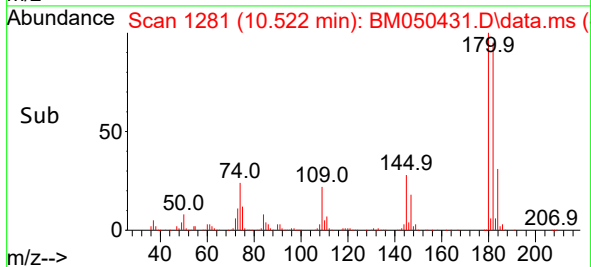
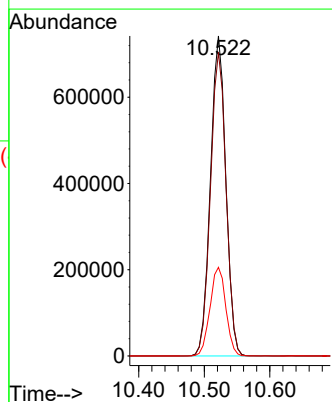
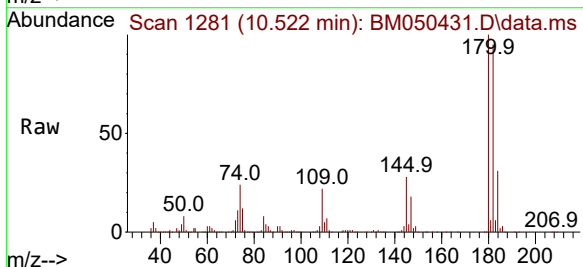
Instrument :
BNA_M
ClientSampleId :
PB168788BS

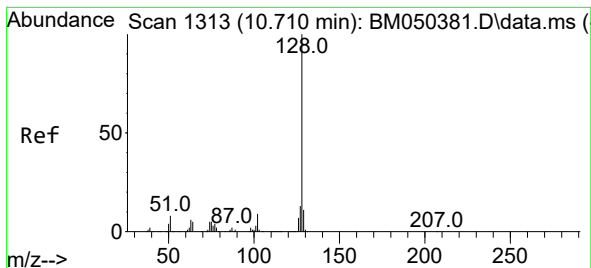
Tgt Ion:162 Resp: 1076995
Ion Ratio Lower Upper
162 100
164 65.5 43.7 83.7
98 32.8 13.7 53.7



#30
1,2,4-Trichlorobenzene
Concen: 43.314 ng
RT: 10.522 min Scan# 1281
Delta R.T. -0.006 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

Tgt Ion:180 Resp: 1210894
Ion Ratio Lower Upper
180 100
182 94.9 76.8 115.2
145 27.7 22.6 33.8

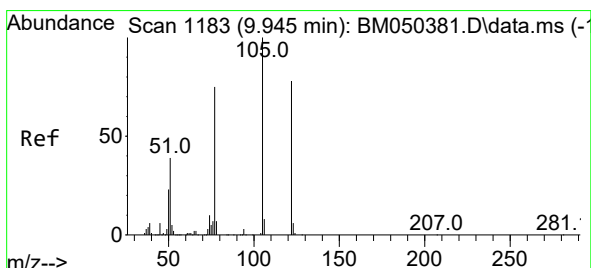
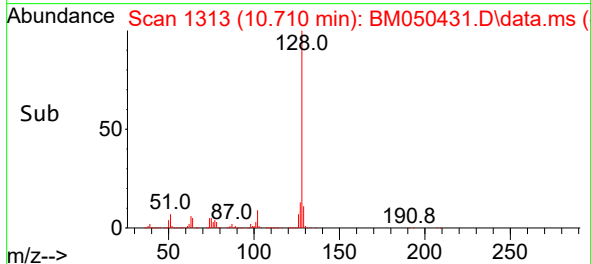
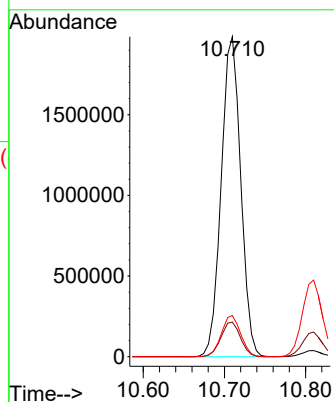
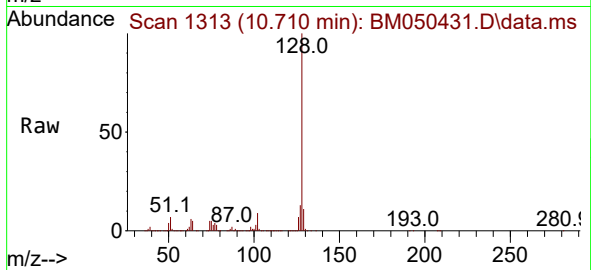




#31
Naphthalene
Concen: 43.504 ng
RT: 10.710 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

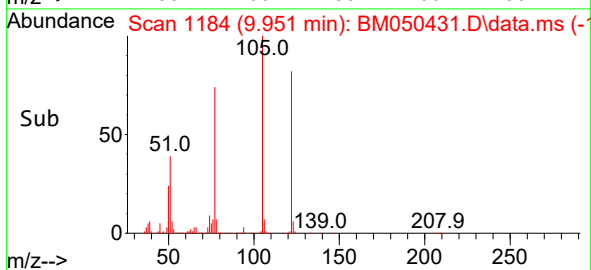
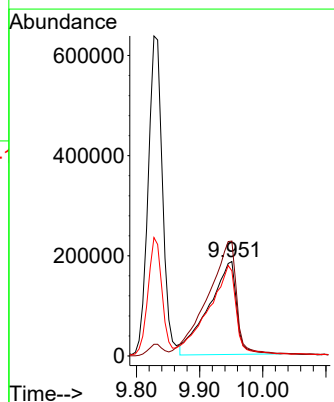
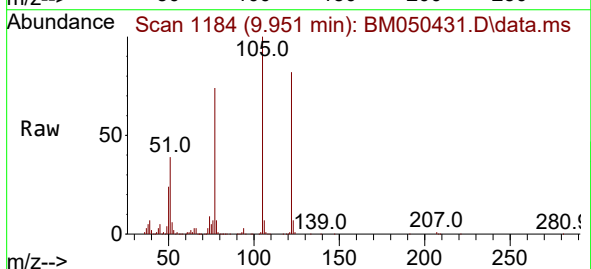
Instrument :
BNA_M
ClientSampleId :
PB168788BS

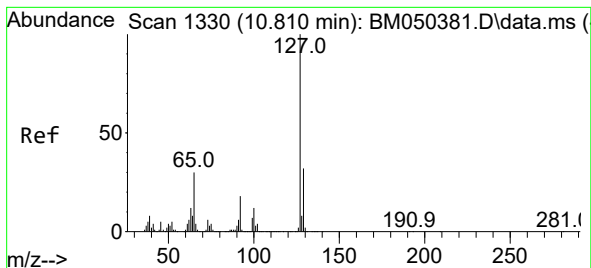
Tgt Ion:128 Resp: 3313592
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 12.8 10.4 15.6



#32
Benzoic acid
Concen: 41.786 ng
RT: 9.951 min Scan# 1184
Delta R.T. 0.006 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

Tgt Ion:122 Resp: 571096
Ion Ratio Lower Upper
122 100
105 121.6 104.0 144.0
77 90.1 73.8 113.8

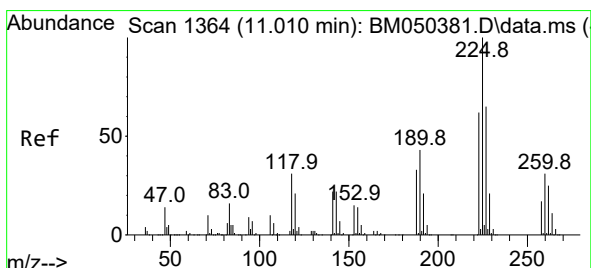
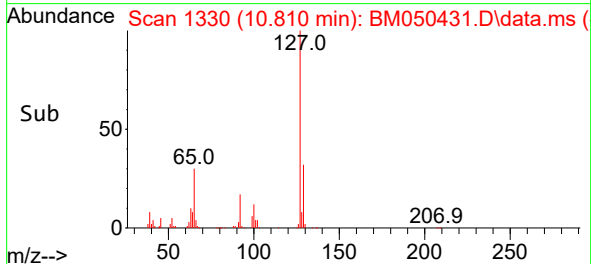
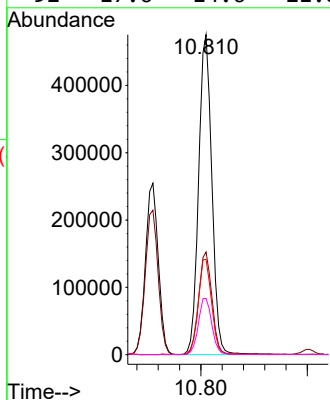
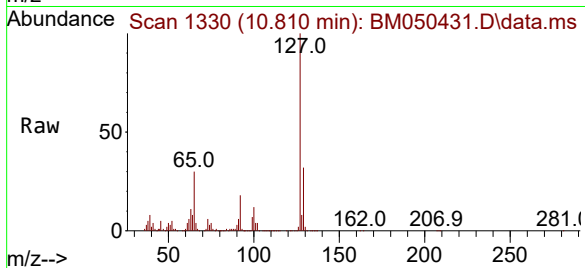




#33
4-Chloroaniline
Concen: 25.421 ng
RT: 10.810 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

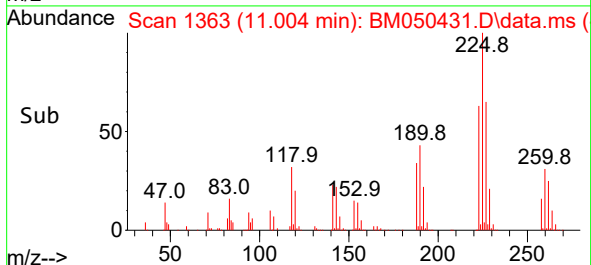
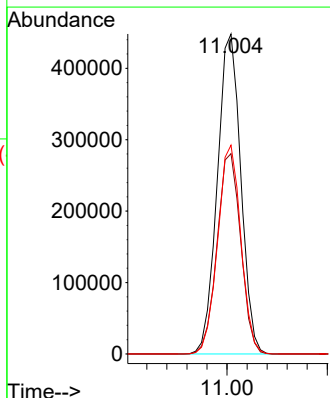
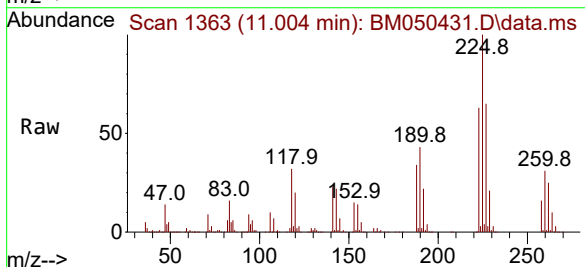
Instrument :
BNA_M
ClientSampleId :
PB168788BS

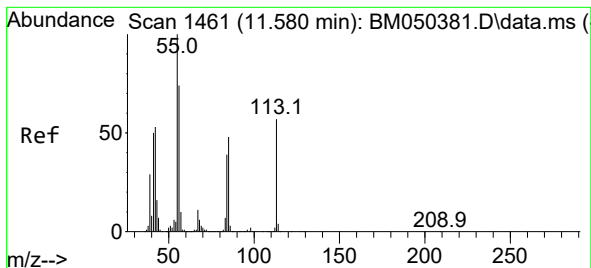
Tgt Ion:	127	Resp:	818576
Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.5	38.3
65	29.8	23.9	35.9
92	17.6	14.6	21.8



#34
Hexachlorobutadiene
Concen: 42.723 ng
RT: 11.004 min Scan# 1363
Delta R.T. -0.006 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

Tgt Ion:	225	Resp:	728983
Ion	Ratio	Lower	Upper
225	100		
223	62.6	49.7	74.5
227	65.3	52.1	78.1

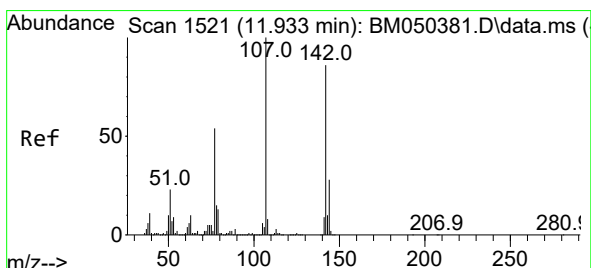
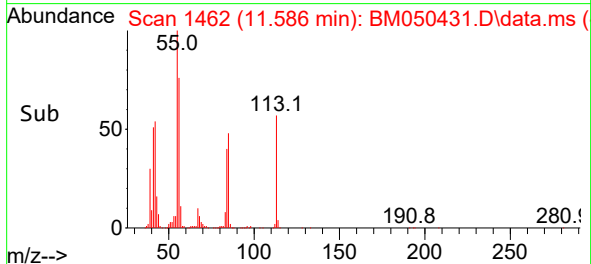
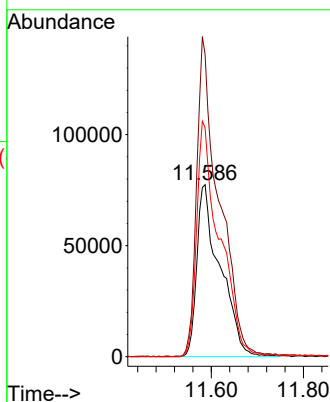
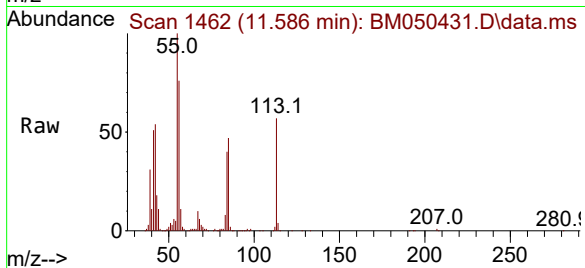




#35
Caprolactam
Concen: 42.509 ng
RT: 11.586 min Scan# 1461
Delta R.T. 0.006 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

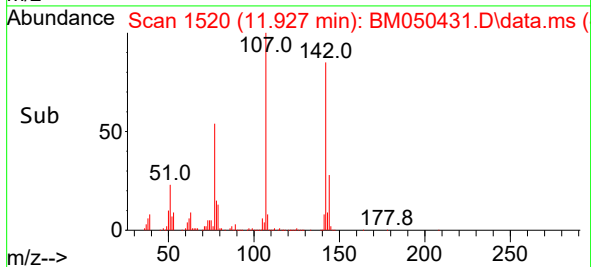
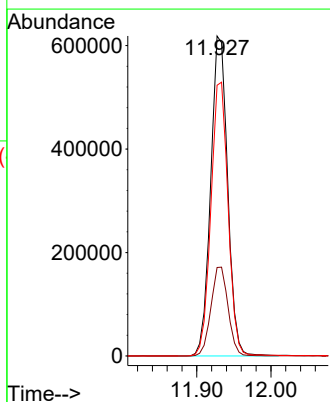
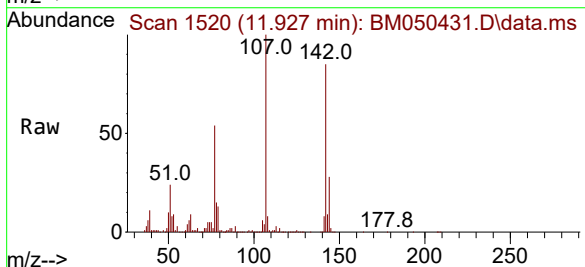
Instrument :
BNA_M
ClientSampleId :
PB168788BS

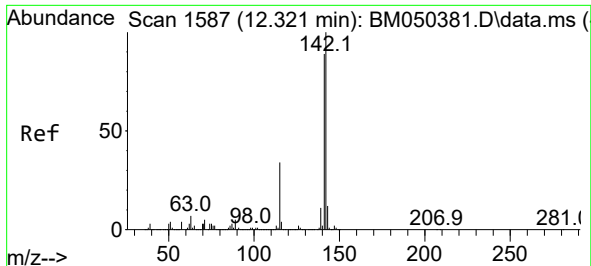
Tgt Ion:113 Resp: 271189
Ion Ratio Lower Upper
113 100
55 175.9 157.2 197.2
56 133.1 111.7 151.7



#36
4-Chloro-3-methylphenol
Concen: 45.023 ng
RT: 11.927 min Scan# 1520
Delta R.T. -0.006 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

Tgt Ion:107 Resp: 982539
Ion Ratio Lower Upper
107 100
144 27.6 22.2 33.4
142 84.6 68.7 103.1

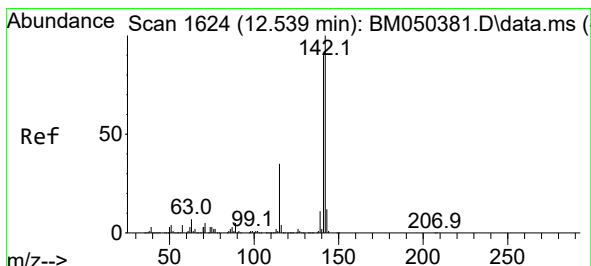
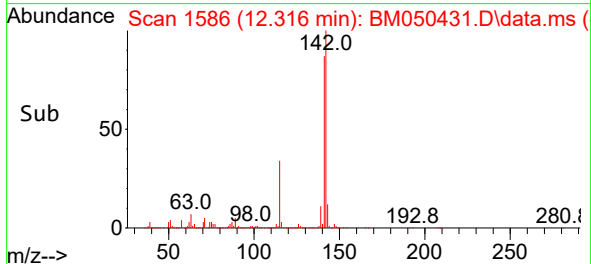
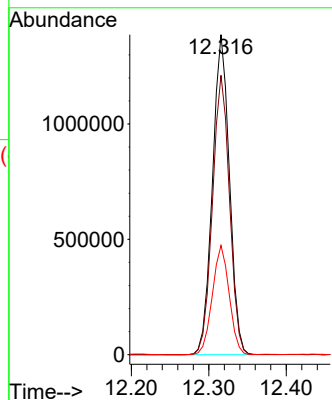
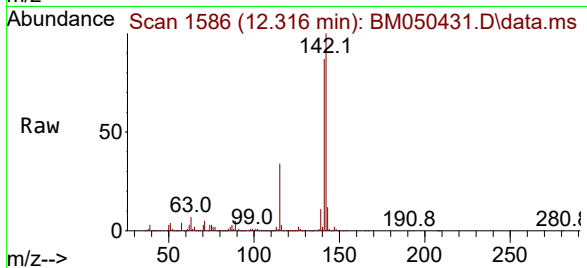




#37
2-Methylnaphthalene
Concen: 43.833 ng
RT: 12.316 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

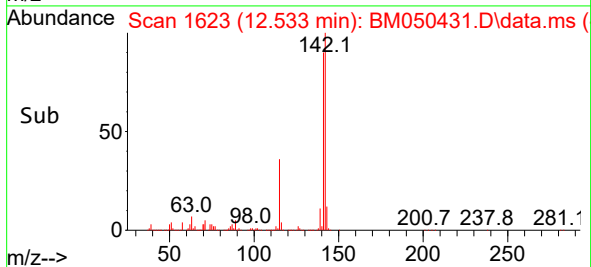
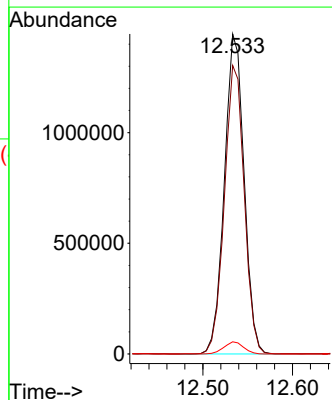
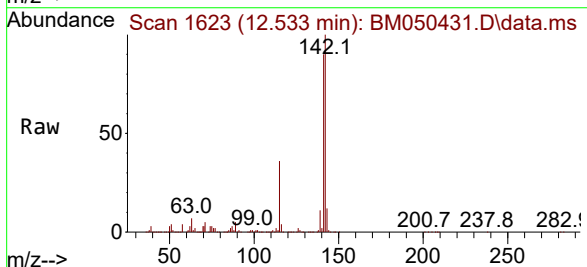
Instrument :
BNA_M
ClientSampleId :
PB168788BS

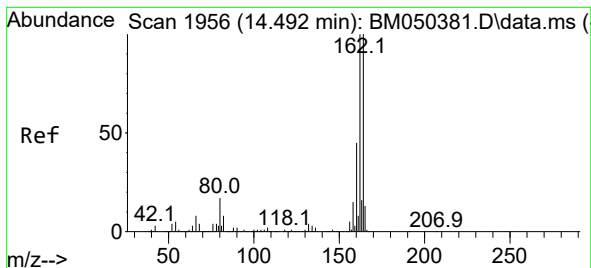
Tgt Ion:142 Resp: 2108036
Ion Ratio Lower Upper
142 100
141 87.3 70.8 106.2
115 34.1 27.0 40.4



#38
1-Methylnaphthalene
Concen: 43.255 ng
RT: 12.533 min Scan# 1623
Delta R.T. -0.006 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

Tgt Ion:142 Resp: 2201535
Ion Ratio Lower Upper
142 100
141 90.2 71.9 107.9
116 3.8 3.0 4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.486 min Scan# 1956

Delta R.T. -0.006 min

Lab File: BM050431.D

Acq: 14 Jul 2025 18:14

Instrument :

BNA_M

ClientSampleId :

PB168788BS

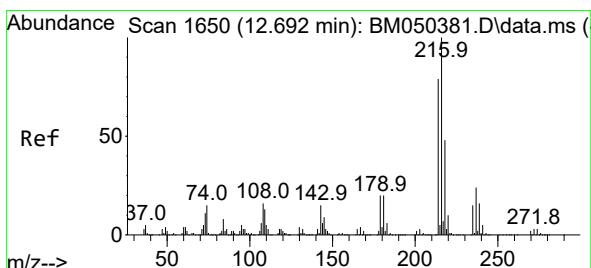
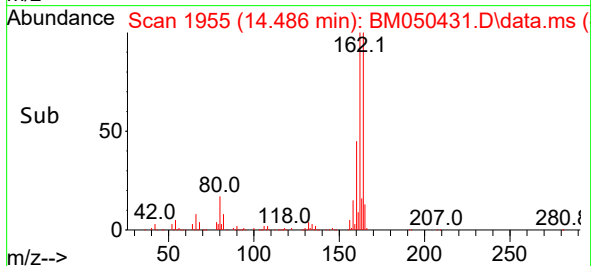
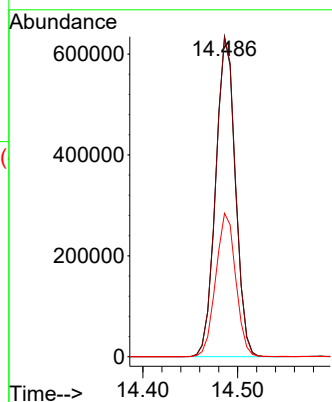
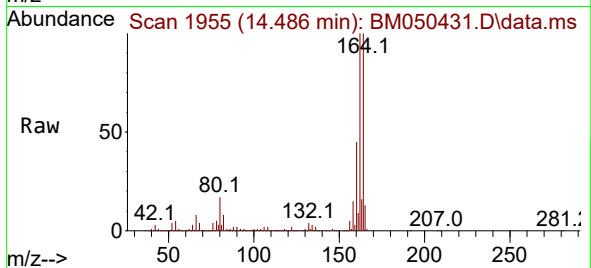
Tgt Ion:164 Resp: 913892

Ion Ratio Lower Upper

164 100

162 99.8 79.9 119.9

160 44.8 36.2 54.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 46.177 ng

RT: 12.686 min Scan# 1649

Delta R.T. -0.006 min

Lab File: BM050431.D

Acq: 14 Jul 2025 18:14

Tgt Ion:216 Resp: 1342019

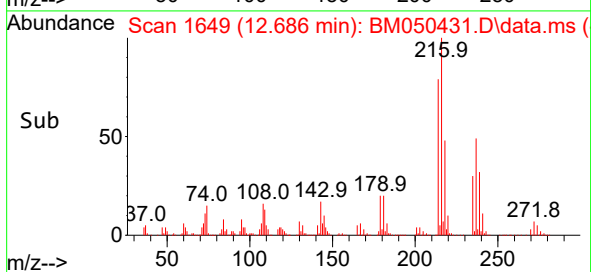
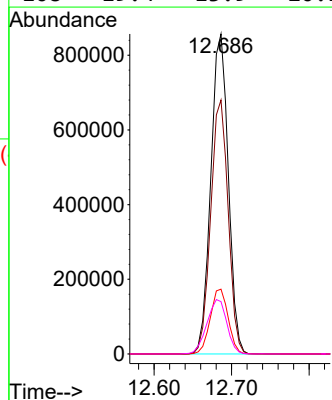
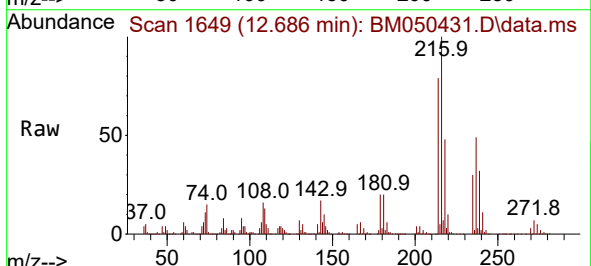
Ion Ratio Lower Upper

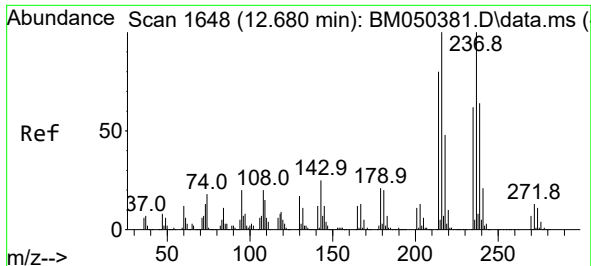
216 100

214 79.1 63.3 94.9

179 20.7 16.4 24.6

108 19.4 13.9 20.9

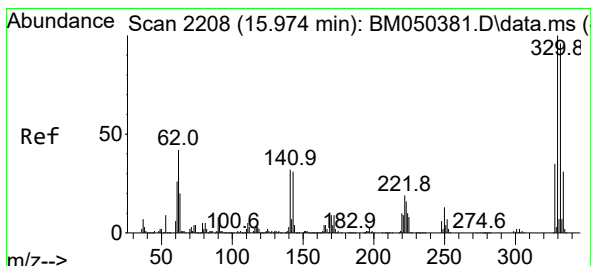
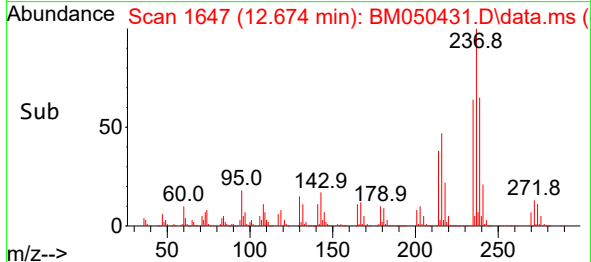
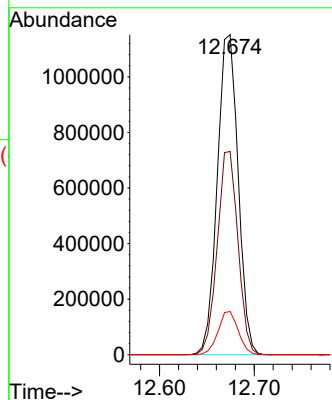
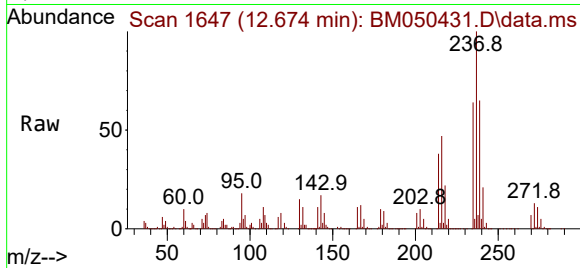




#41
Hexachlorocyclopentadiene
Concen: 94.980 ng
RT: 12.674 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

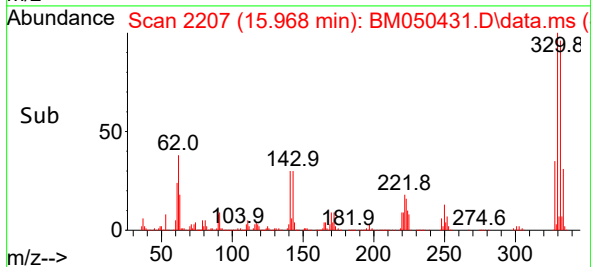
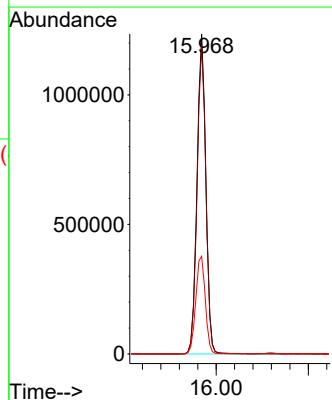
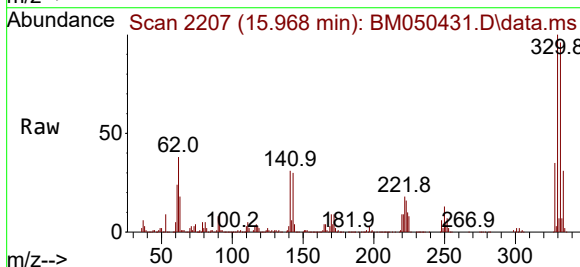
Instrument :
BNA_M
ClientSampleId :
PB168788BS

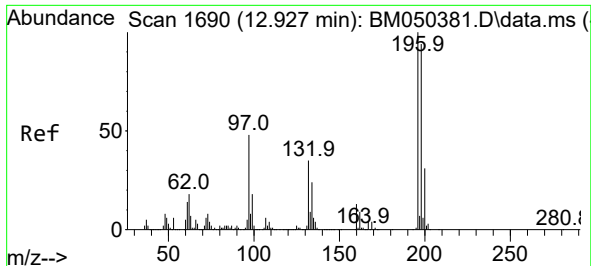
Tgt Ion:237 Resp: 1764460
Ion Ratio Lower Upper
237 100
235 63.5 42.3 82.3
272 13.5 0.0 33.0



#42
2,4,6-Tribromophenol
Concen: 147.794 ng
RT: 15.968 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

Tgt Ion:330 Resp: 1641089
Ion Ratio Lower Upper
330 100
332 96.2 76.9 115.3
141 33.0 27.4 41.0

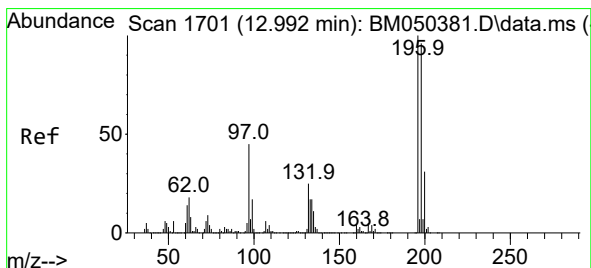
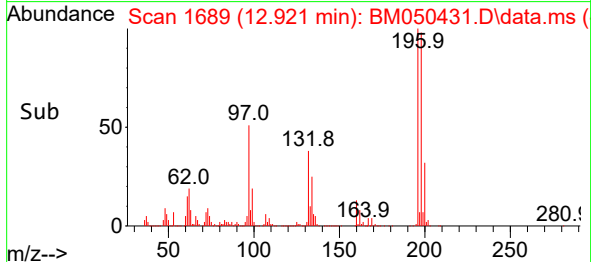
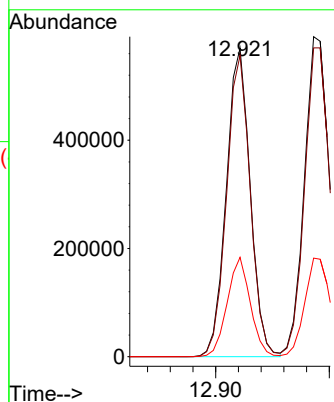
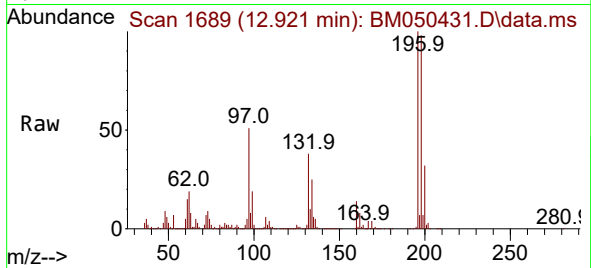




#43
2,4,6-Trichlorophenol
Concen: 46.664 ng
RT: 12.921 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

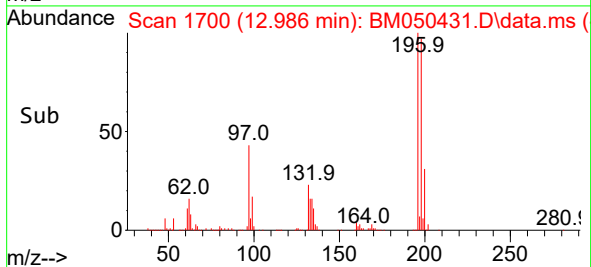
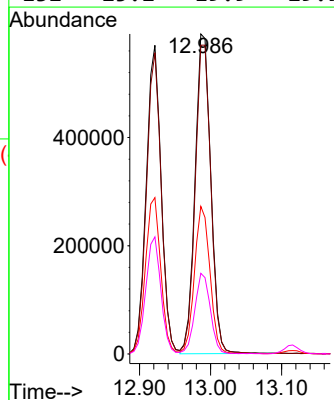
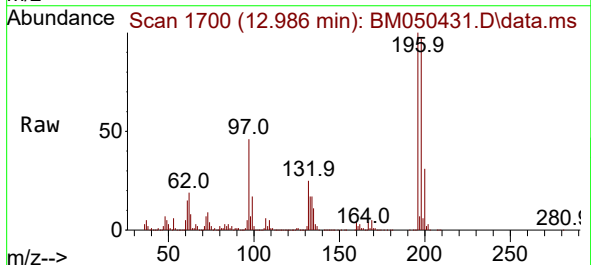
Instrument :
BNA_M
ClientSampleId :
PB168788BS

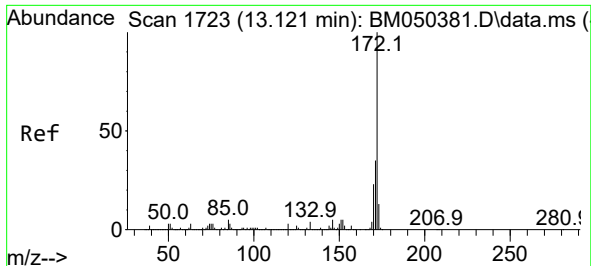
Tgt Ion:196 Resp: 834784
Ion Ratio Lower Upper
196 100
198 97.6 75.1 112.7
200 32.2 24.6 37.0



#44
2,4,5-Trichlorophenol
Concen: 46.758 ng
RT: 12.986 min Scan# 1700
Delta R.T. -0.006 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

Tgt Ion:196 Resp: 913532
Ion Ratio Lower Upper
196 100
198 96.5 77.2 115.8
97 46.1 36.2 54.4
132 25.2 19.9 29.9

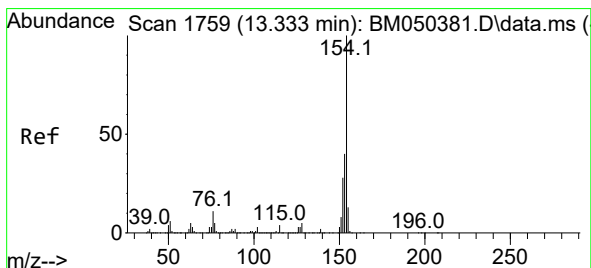
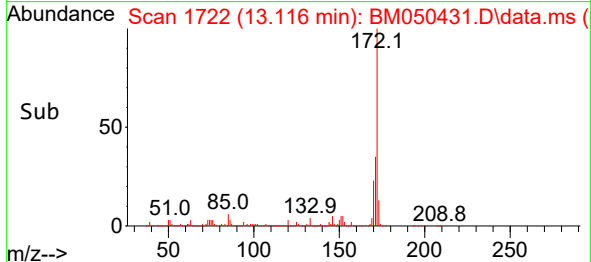
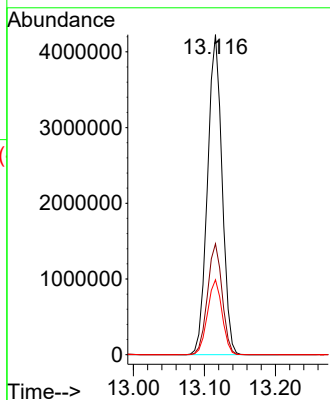
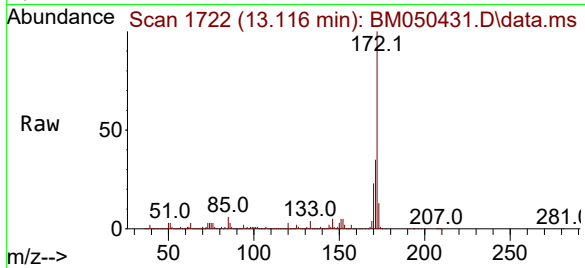




#45
2-Fluorobiphenyl
Concen: 81.242 ng
RT: 13.116 min Scan# 1722
Delta R.T. -0.006 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

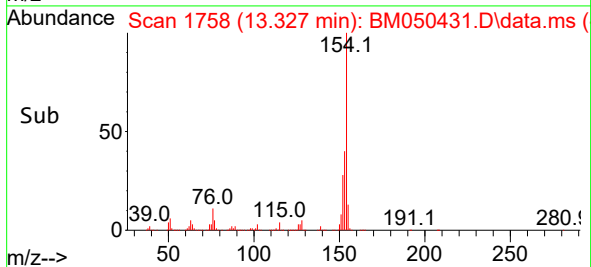
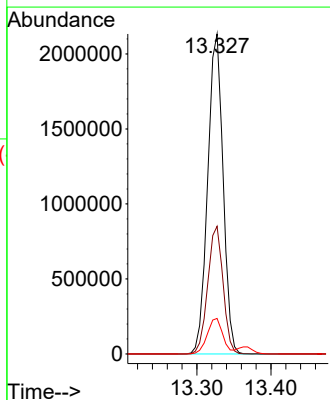
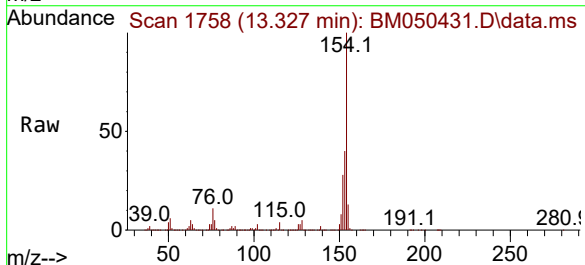
Instrument :
BNA_M
ClientSampleId :
PB168788BS

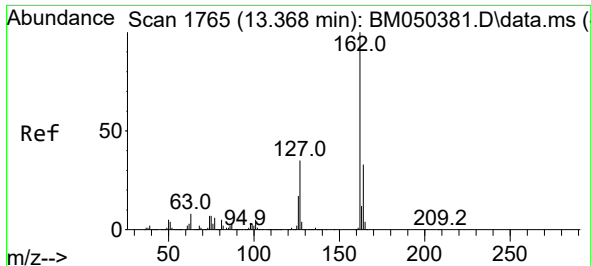
Tgt Ion:172 Resp: 6012193
Ion Ratio Lower Upper
172 100
171 34.6 27.7 41.5
170 23.4 18.8 28.2



#46
1,1'-Biphenyl
Concen: 45.265 ng
RT: 13.327 min Scan# 1758
Delta R.T. -0.006 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

Tgt Ion:154 Resp: 3069158
Ion Ratio Lower Upper
154 100
153 39.9 19.7 59.7
76 11.1 0.0 30.9

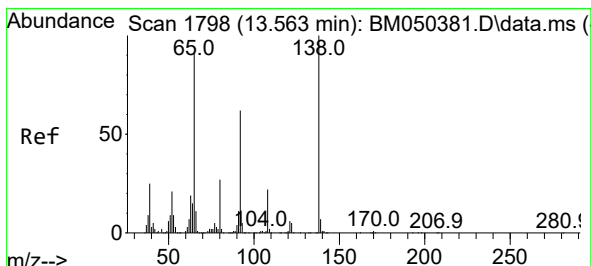
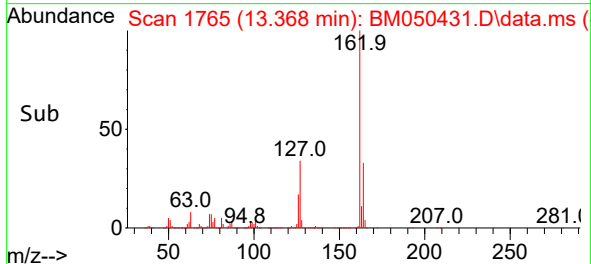
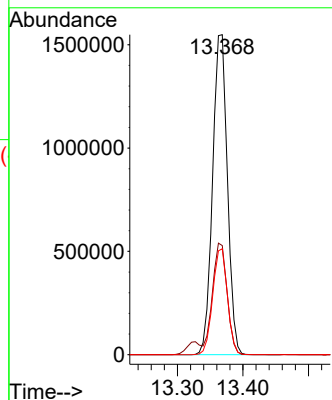
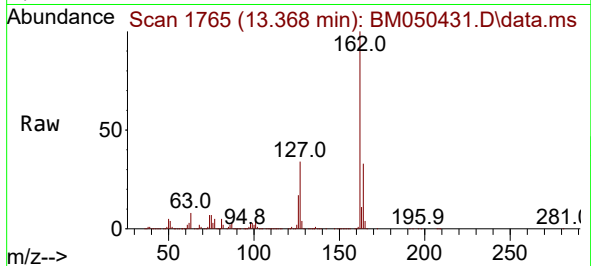




#47
2-Chloronaphthalene
Concen: 44.909 ng
RT: 13.368 min Scan# 1765
Delta R.T. 0.000 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

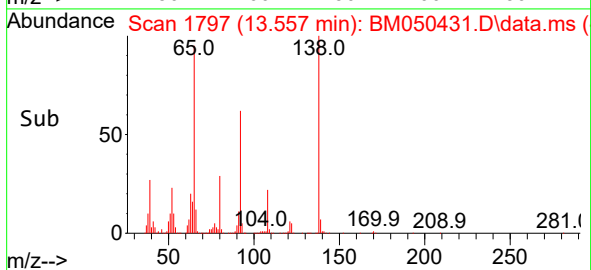
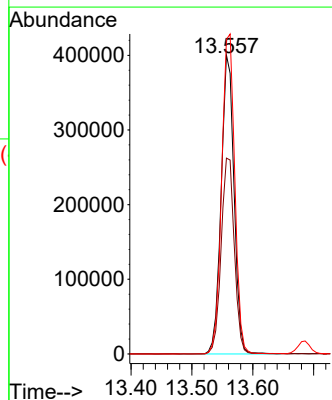
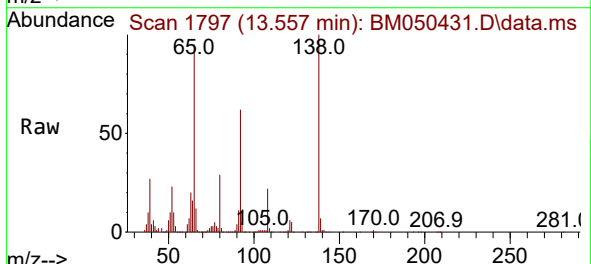
Instrument :
BNA_M
ClientSampleId :
PB168788BS

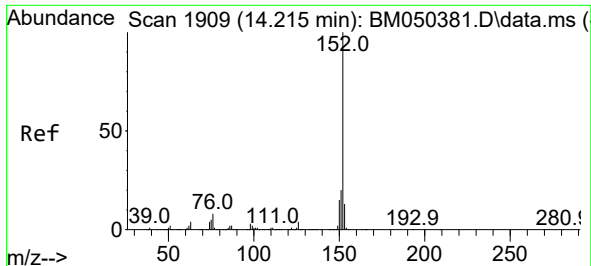
Tgt Ion:162 Resp: 2427840
Ion Ratio Lower Upper
162 100
127 34.1 28.3 42.5
164 33.1 26.6 40.0



#48
2-Nitroaniline
Concen: 48.787 ng
RT: 13.557 min Scan# 1797
Delta R.T. -0.006 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

Tgt Ion: 65 Resp: 588718
Ion Ratio Lower Upper
65 100
92 65.5 54.3 81.5
138 105.2 87.8 131.6

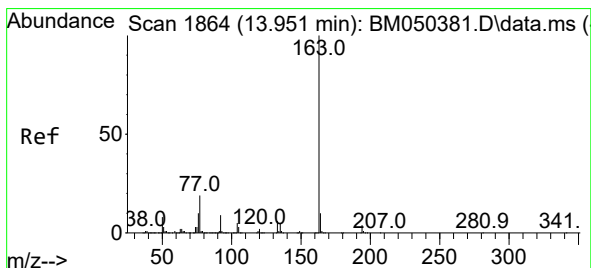
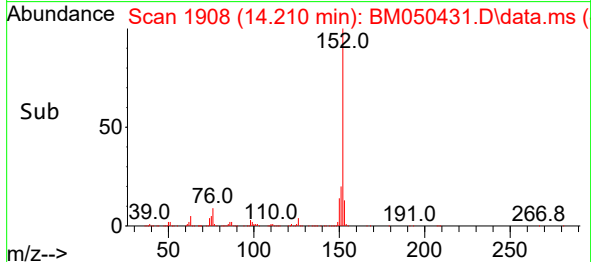
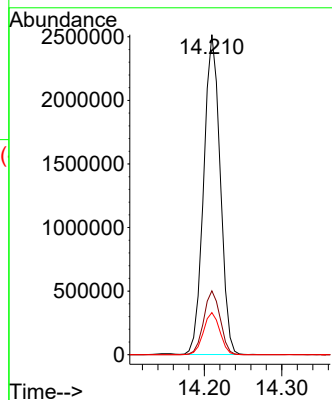
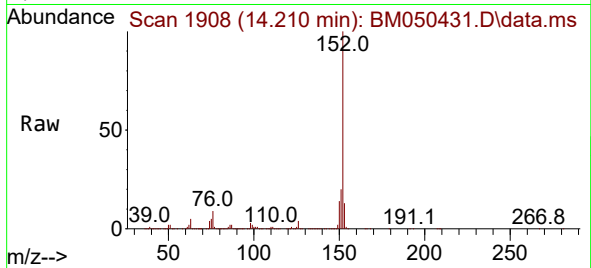




#49
Acenaphthylene
Concen: 45.502 ng
RT: 14.210 min Scan# 1909
Delta R.T. -0.006 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

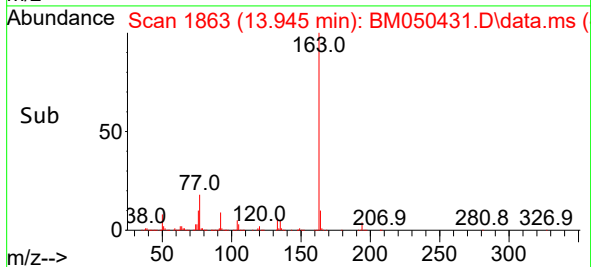
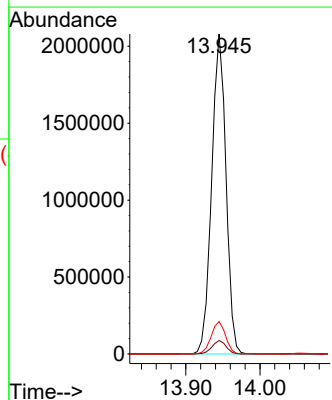
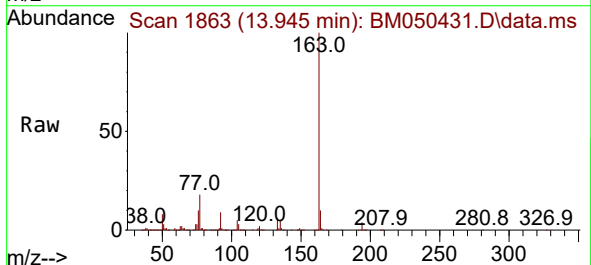
Instrument :
BNA_M
ClientSampleId :
PB168788BS

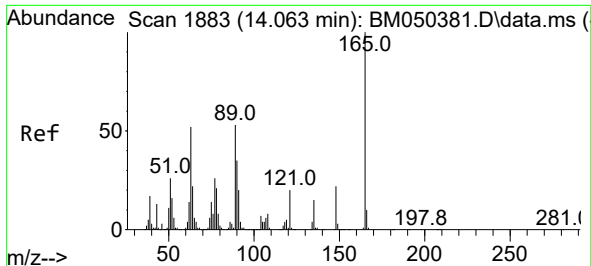
Tgt Ion:152 Resp: 3717594
Ion Ratio Lower Upper
152 100
151 19.9 16.3 24.5
153 13.2 10.6 15.8



#50
Dimethylphthalate
Concen: 44.210 ng
RT: 13.945 min Scan# 1863
Delta R.T. -0.006 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

Tgt Ion:163 Resp: 2781645
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.2
164 10.1 8.2 12.2

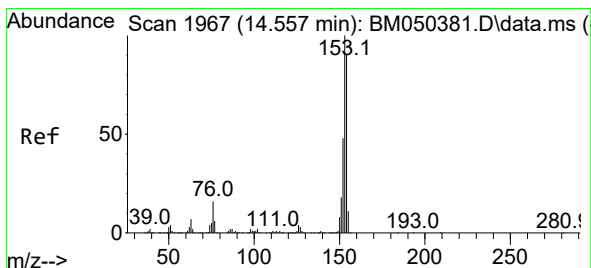
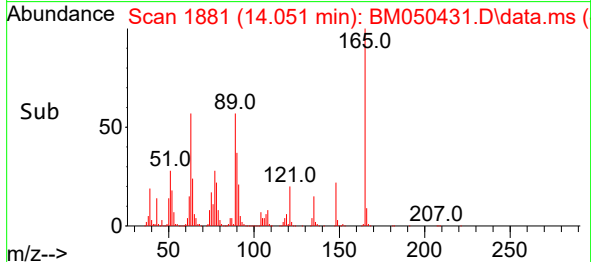
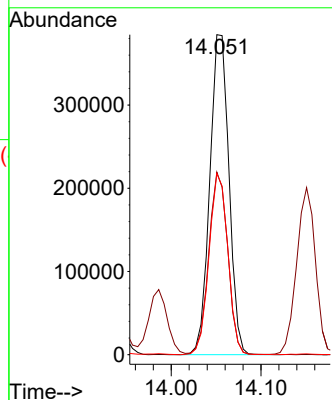
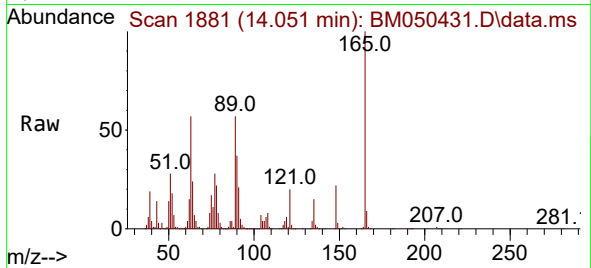




#51
2,6-Dinitrotoluene
Concen: 47.247 ng
RT: 14.051 min Scan# 1883
Delta R.T. -0.012 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

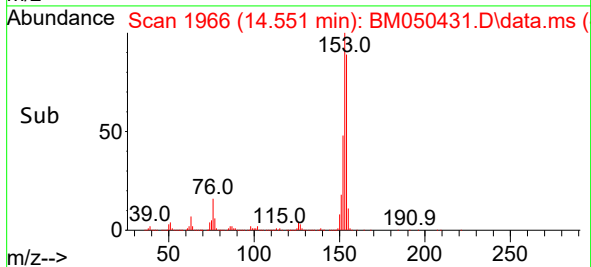
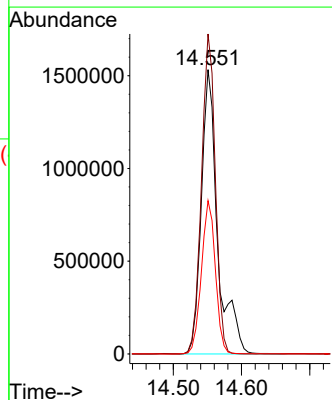
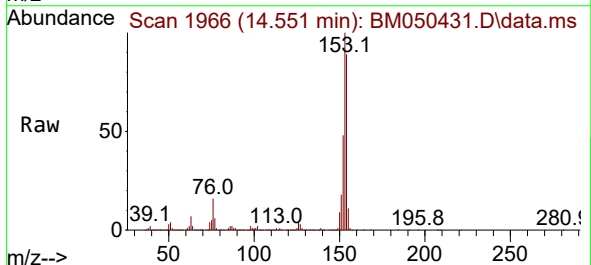
Instrument :
BNA_M
ClientSampleId :
PB168788BS

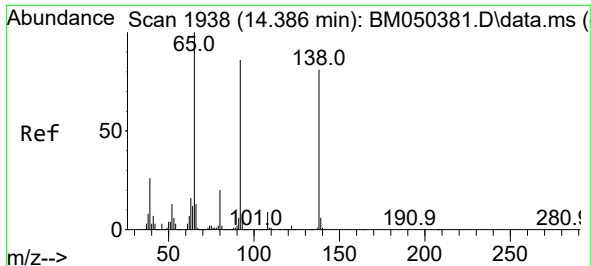
Tgt Ion:165 Resp: 570776
Ion Ratio Lower Upper
165 100
63 57.0 42.4 63.6
89 56.6 42.2 63.2



#52
Acenaphthene
Concen: 48.933 ng
RT: 14.551 min Scan# 1966
Delta R.T. -0.006 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

Tgt Ion:154 Resp: 2541717
Ion Ratio Lower Upper
154 100
153 112.5 89.2 133.8
152 53.9 42.6 64.0

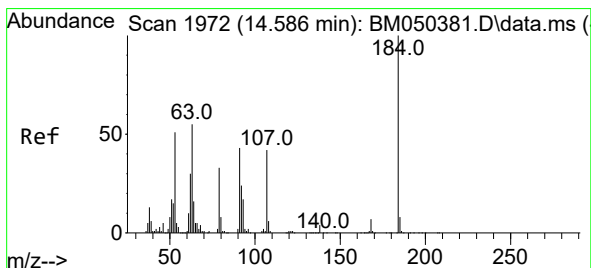
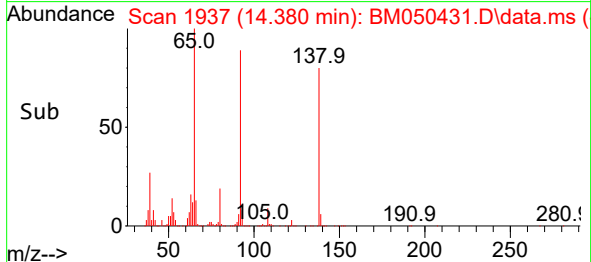
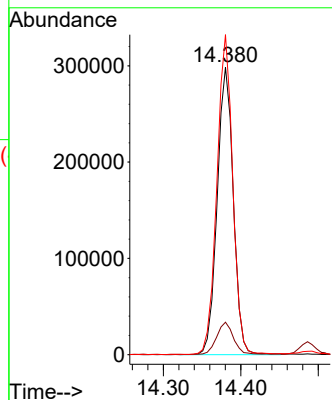
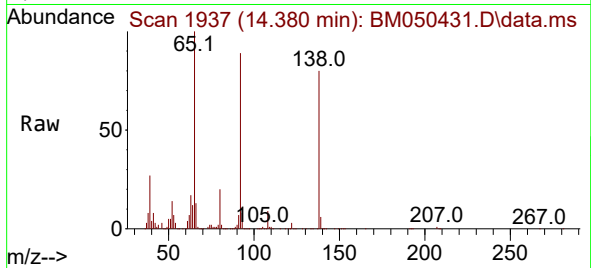




#53
3-Nitroaniline
Concen: 33.594 ng
RT: 14.380 min Scan# 1938
Delta R.T. -0.006 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

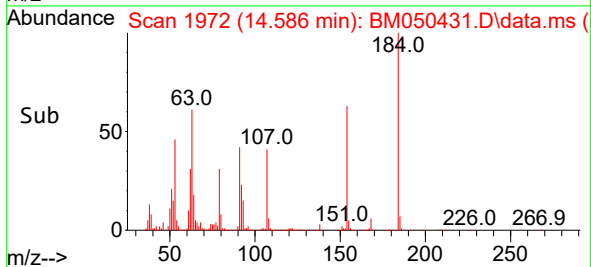
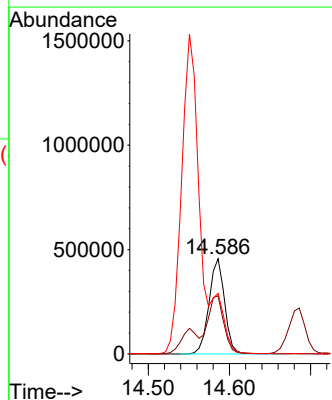
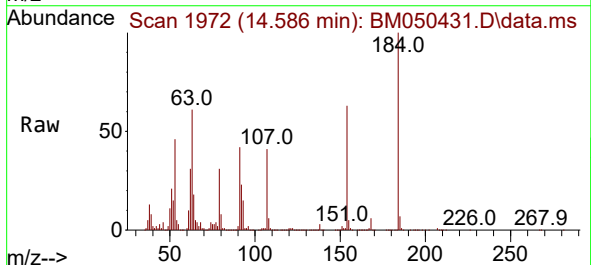
Instrument :
BNA_M
ClientSampleId :
PB168788BS

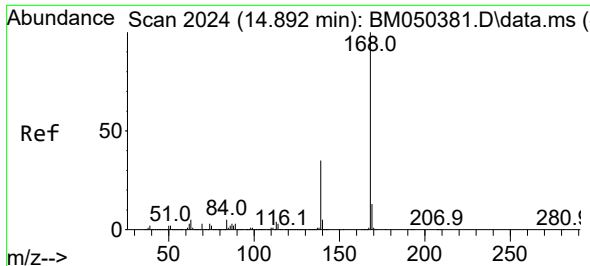
Tgt Ion:138 Resp: 431606
Ion Ratio Lower Upper
138 100
108 11.3 8.8 13.2
92 111.3 85.0 127.6



#54
2,4-Dinitrophenol
Concen: 90.426 ng
RT: 14.586 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

Tgt Ion:184 Resp: 608849
Ion Ratio Lower Upper
184 100
63 61.0 53.4 80.0
154 63.5 61.6 92.4

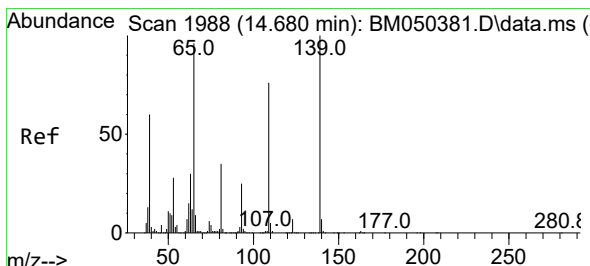
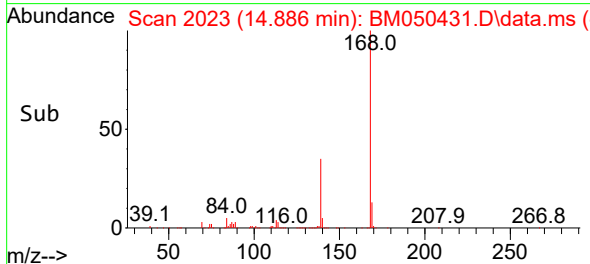
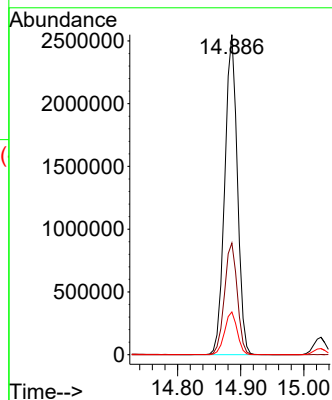
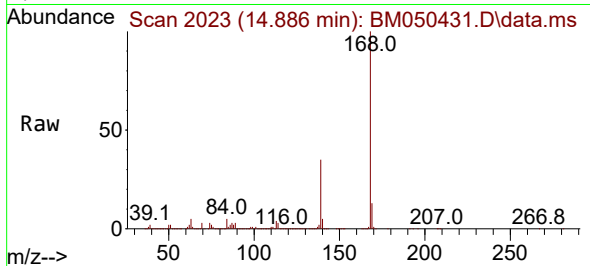




#55
Dibenzenofuran
Concen: 44.209 ng
RT: 14.886 min Scan# 20
Delta R.T. -0.006 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

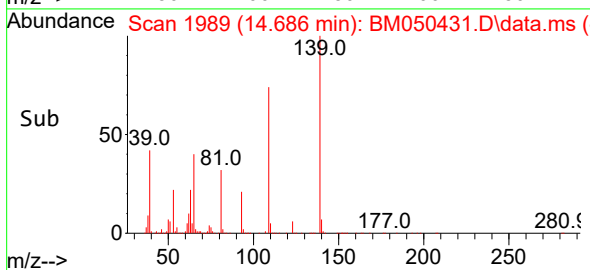
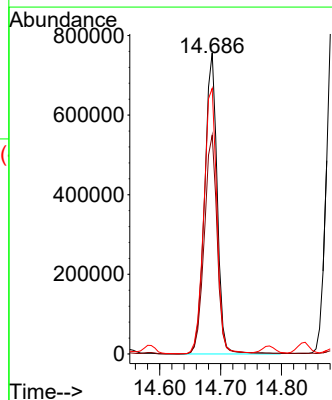
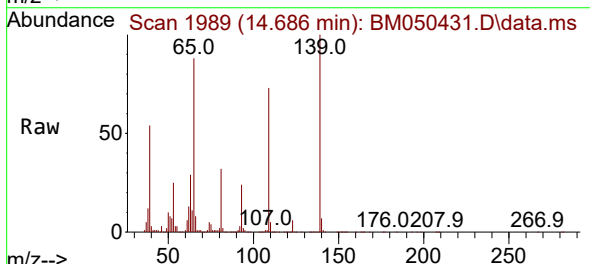
Instrument :
BNA_M
ClientSampleId :
PB168788BS

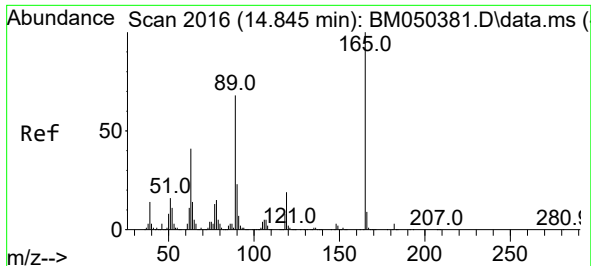
Tgt Ion:168 Resp: 3538198
Ion Ratio Lower Upper
168 100
139 34.9 27.7 41.5
169 13.3 10.7 16.1



#56
4-Nitrophenol
Concen: 98.413 ng
RT: 14.686 min Scan# 1989
Delta R.T. 0.006 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

Tgt Ion:139 Resp: 1087323
Ion Ratio Lower Upper
139 100
109 72.6 56.5 96.5
65 88.2 76.4 116.4

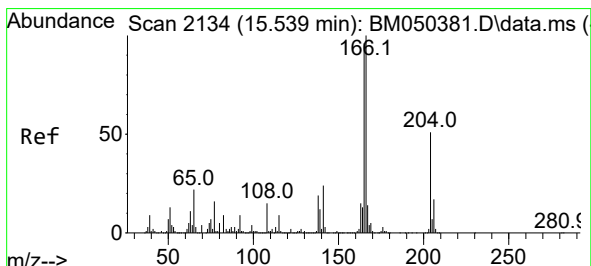
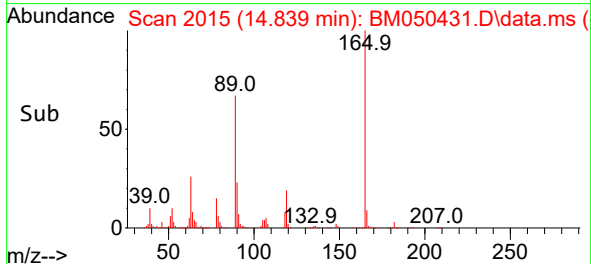
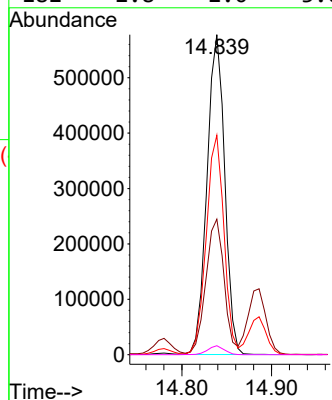
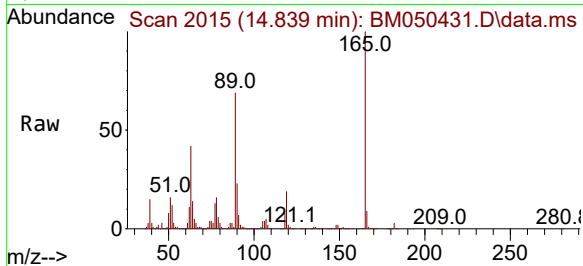




#57
2,4-Dinitrotoluene
Concen: 44.035 ng
RT: 14.839 min Scan# 20
Delta R.T. -0.006 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

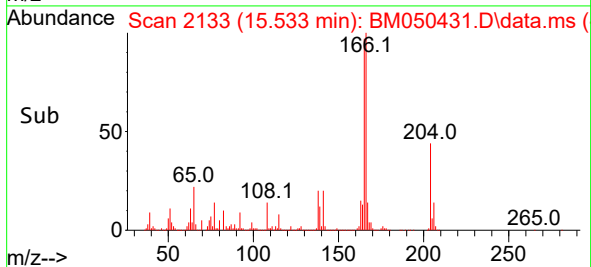
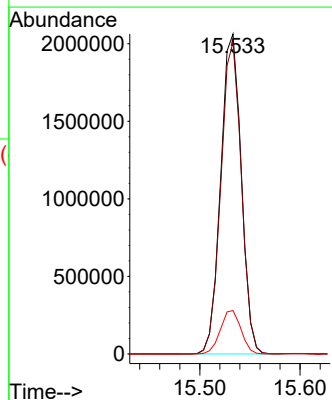
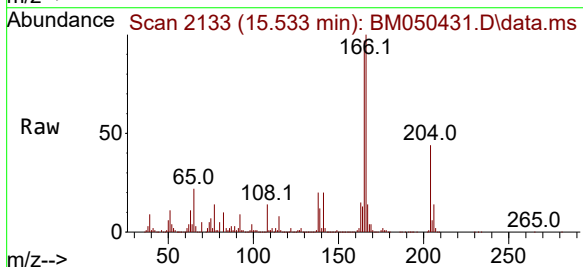
Instrument :
BNA_M
ClientSampleId :
PB168788BS

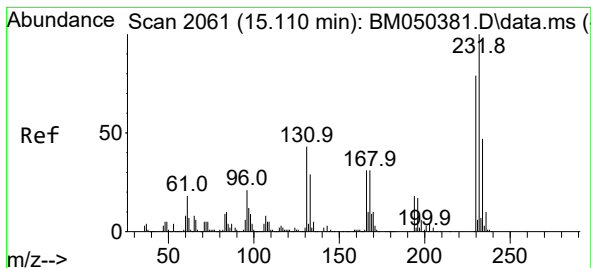
Tgt Ion:165 Resp: 792052
Ion Ratio Lower Upper
165 100
63 42.4 32.5 48.7
89 68.6 54.0 81.0
182 2.8 2.0 3.0



#58
Fluorene
Concen: 44.531 ng
RT: 15.533 min Scan# 2133
Delta R.T. -0.006 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

Tgt Ion:166 Resp: 2935588
Ion Ratio Lower Upper
166 100
165 97.5 77.0 115.6
167 13.5 10.9 16.3

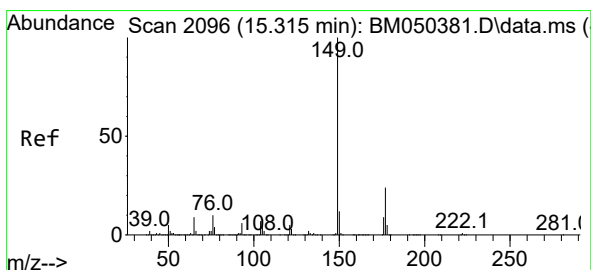
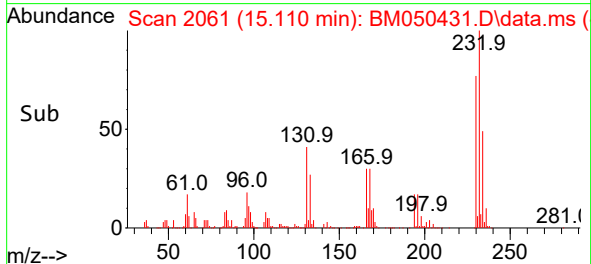
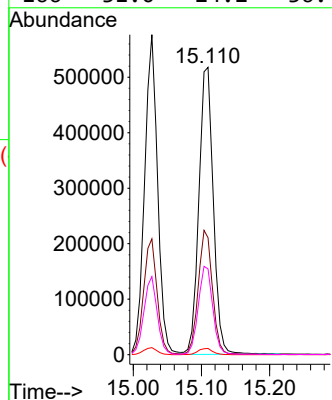
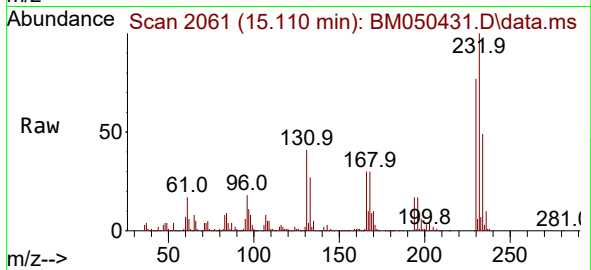




#59
2,3,4,6-Tetrachlorophenol
Concen: 46.164 ng
RT: 15.110 min Scan# 2061
Delta R.T. 0.000 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

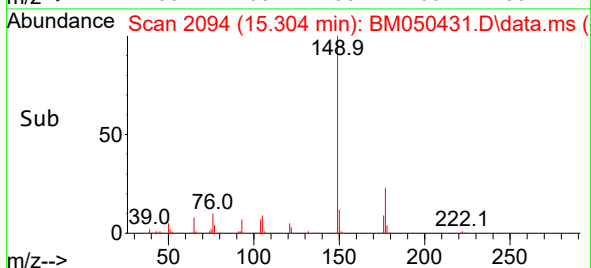
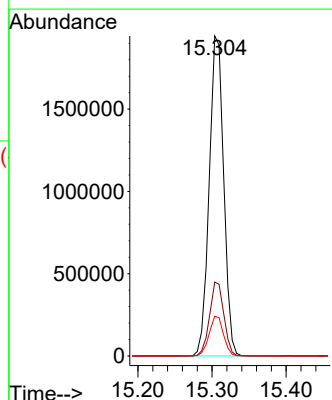
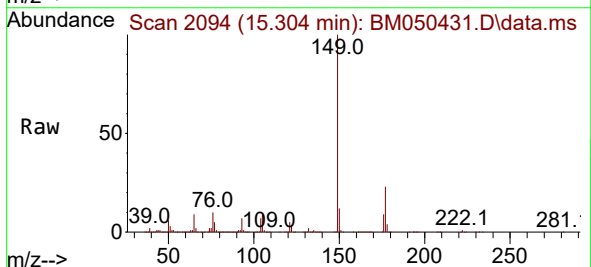
Instrument :
BNA_M
ClientSampleId :
PB168788BS

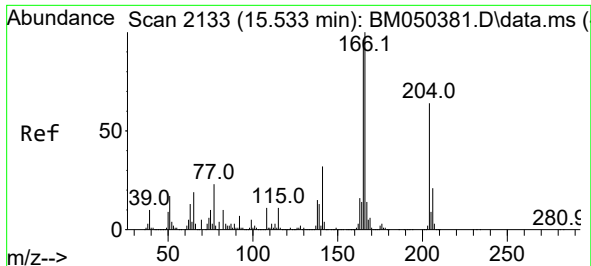
Tgt Ion:232 Resp: 759225
Ion Ratio Lower Upper
232 100
131 42.5 33.4 50.0
130 2.3 1.8 2.6
166 31.0 24.2 36.4



#60
Diethylphthalate
Concen: 43.928 ng
RT: 15.304 min Scan# 2094
Delta R.T. -0.012 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

Tgt Ion:149 Resp: 2640194
Ion Ratio Lower Upper
149 100
177 23.1 18.8 28.2
150 12.4 9.8 14.8

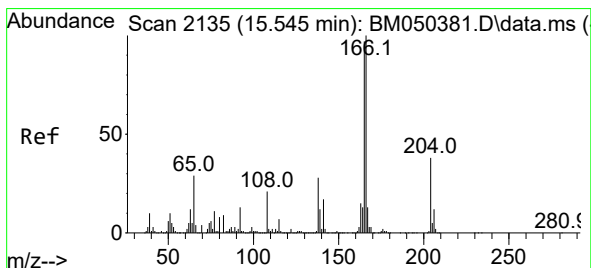
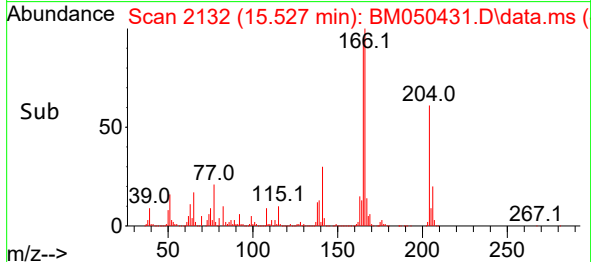
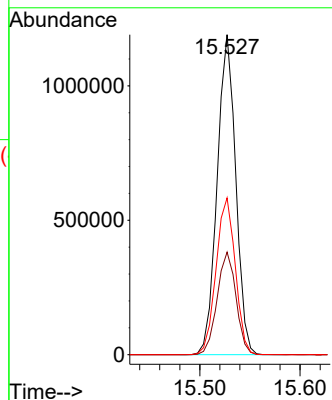
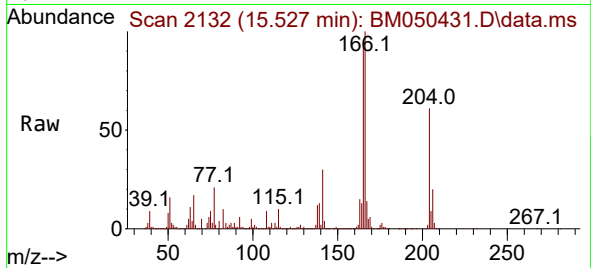




#61
4-Chlorophenyl-phenylether
Concen: 44.377 ng
RT: 15.527 min Scan# 2132
Delta R.T. -0.006 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

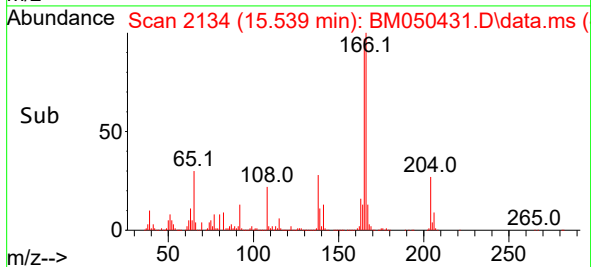
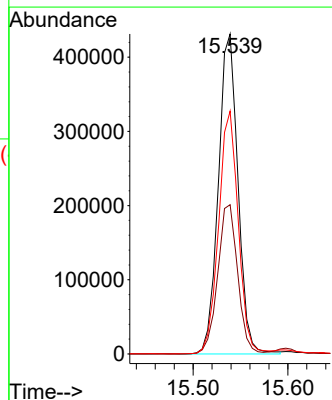
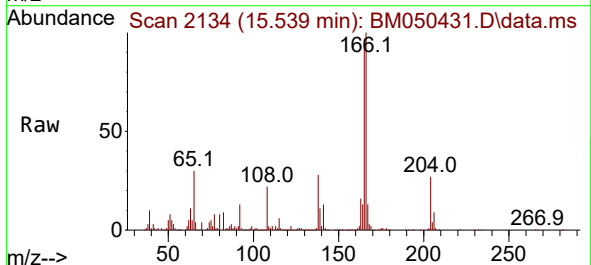
Instrument :
BNA_M
ClientSampleId :
PB168788BS

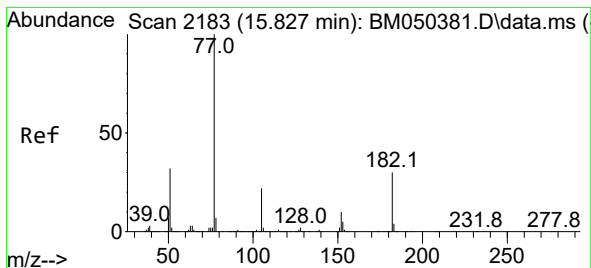
Tgt Ion:204 Resp: 1529669
Ion Ratio Lower Upper
204 100
206 32.0 26.6 39.8
141 49.0 39.9 59.9



#62
4-Nitroaniline
Concen: 42.310 ng
RT: 15.539 min Scan# 2134
Delta R.T. -0.006 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

Tgt Ion:138 Resp: 620148
Ion Ratio Lower Upper
138 100
92 46.7 24.5 64.5
108 75.9 52.5 92.5





#63

Azobenzene

Concen: 45.313 ng

RT: 15.815 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050431.D

Acq: 14 Jul 2025 18:14

Instrument :

BNA_M

ClientSampleId :

PB168788BS

Tgt Ion: 77 Resp: 2500757

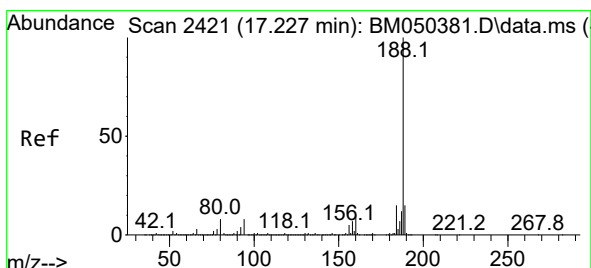
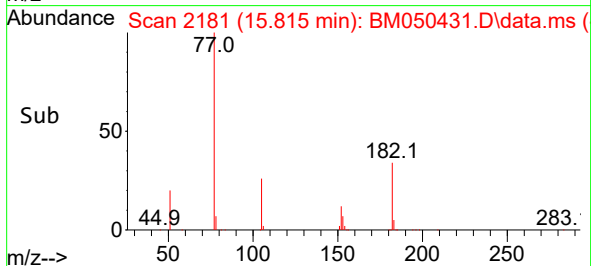
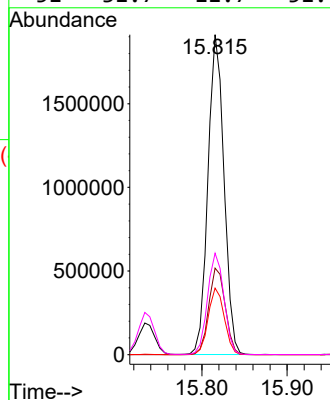
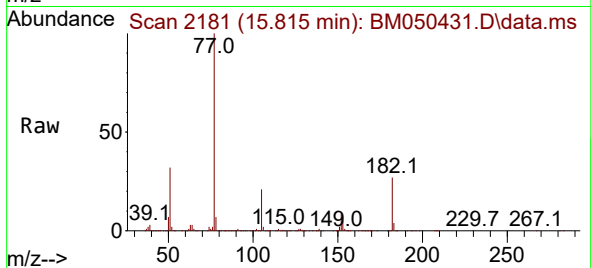
Ion Ratio Lower Upper

77 100

182 27.1 10.0 50.0

105 20.8 2.0 42.0

51 31.7 11.7 51.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.221 min Scan# 2420

Delta R.T. -0.006 min

Lab File: BM050431.D

Acq: 14 Jul 2025 18:14

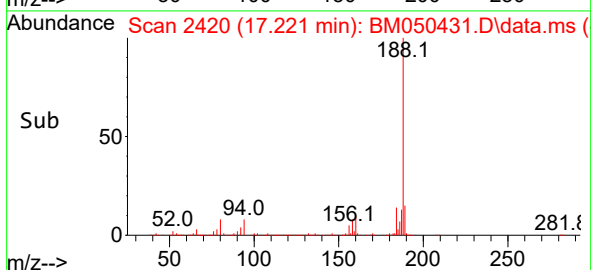
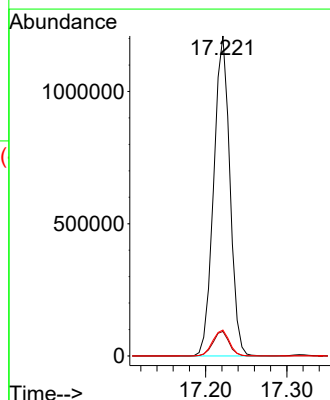
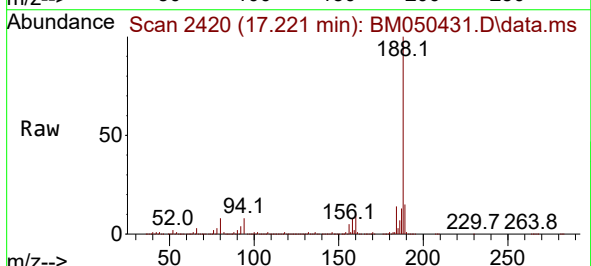
Tgt Ion:188 Resp: 1674152

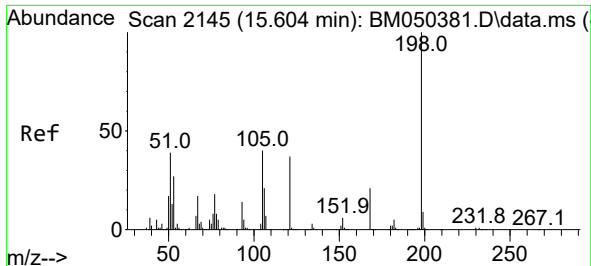
Ion Ratio Lower Upper

188 100

94 7.6 6.0 9.0

80 8.1 6.5 9.7

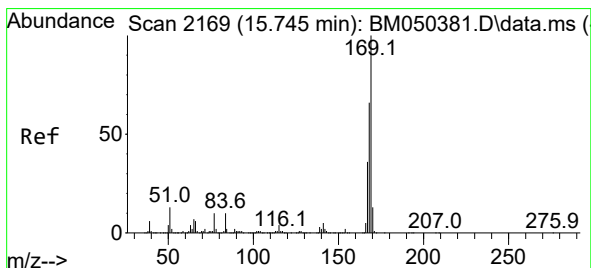
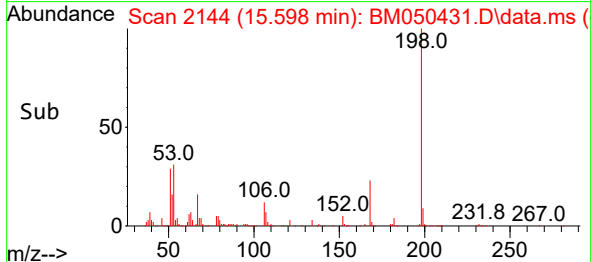
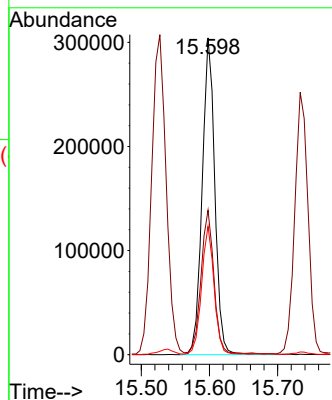
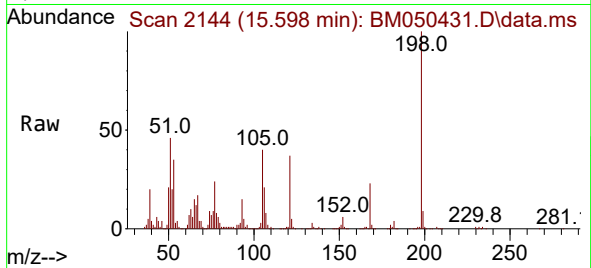




#65
4,6-Dinitro-2-methylphenol
Concen: 44.166 ng
RT: 15.598 min Scan# 2144
Delta R.T. -0.006 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

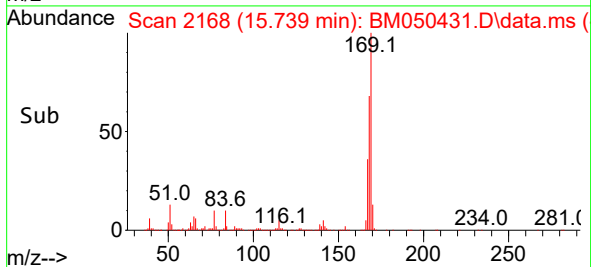
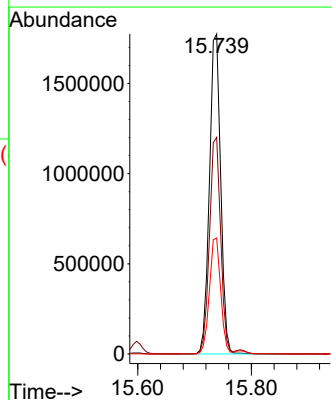
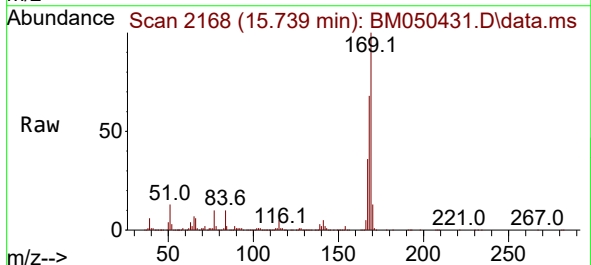
Instrument :
BNA_M
ClientSampleId :
PB168788BS

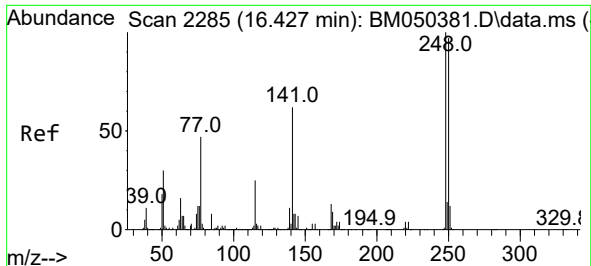
Tgt Ion:198 Resp: 392369
Ion Ratio Lower Upper
198 100
51 45.6 26.6 66.6
105 40.5 20.9 60.9



#66
n-Nitrosodiphenylamine
Concen: 46.304 ng
RT: 15.739 min Scan# 2168
Delta R.T. -0.006 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

Tgt Ion:169 Resp: 2425721
Ion Ratio Lower Upper
169 100
168 67.7 53.2 79.8
167 36.3 28.7 43.1

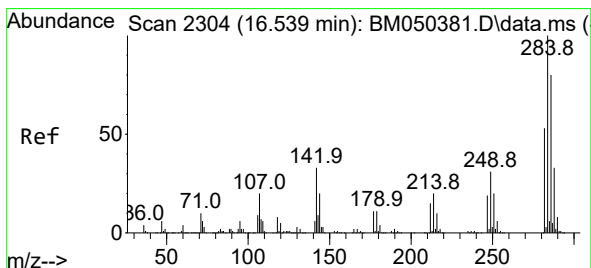
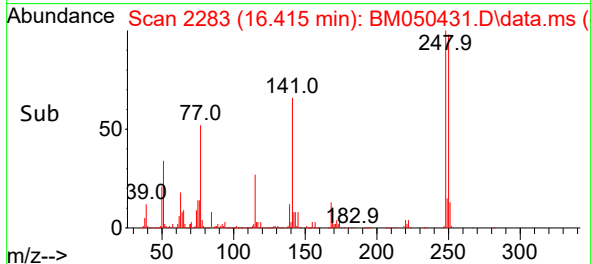
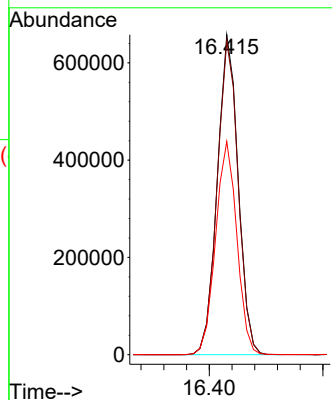
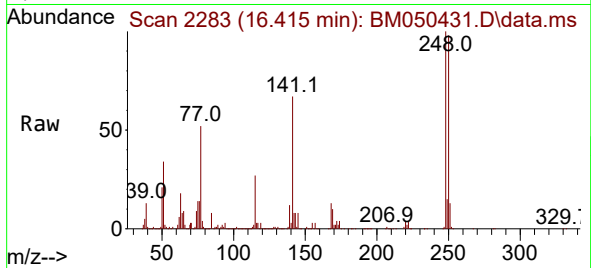




#67
4-Bromophenyl-phenylether
Concen: 45.590 ng
RT: 16.415 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

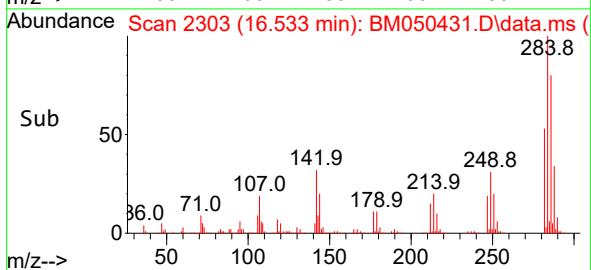
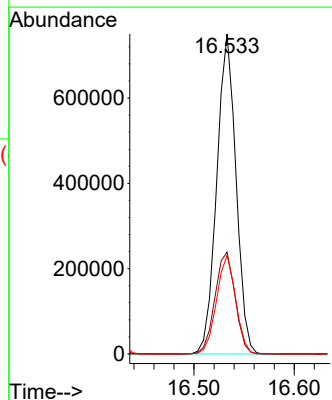
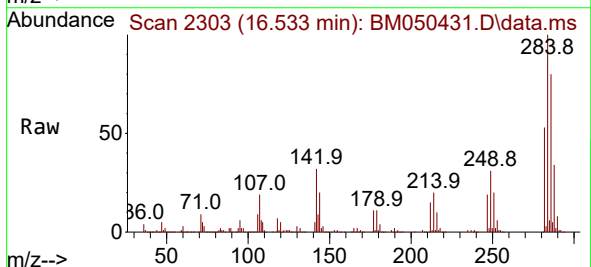
Instrument :
BNA_M
ClientSampleId :
PB168788BS

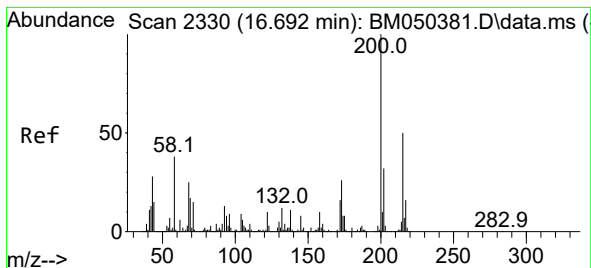
Tgt Ion:248 Resp: 840929
Ion Ratio Lower Upper
248 100
250 98.0 77.9 116.9
141 66.6 49.7 74.5



#68
Hexachlorobenzene
Concen: 45.843 ng
RT: 16.533 min Scan# 2303
Delta R.T. -0.006 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

Tgt Ion:284 Resp: 998710
Ion Ratio Lower Upper
284 100
142 31.8 26.8 40.2
249 30.8 24.5 36.7





#69

Atrazine

Concen: 46.962 ng

RT: 16.680 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050431.D

Acq: 14 Jul 2025 18:14

Instrument :

BNA_M

ClientSampleId :

PB168788BS

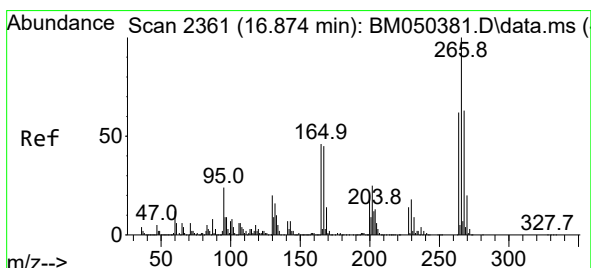
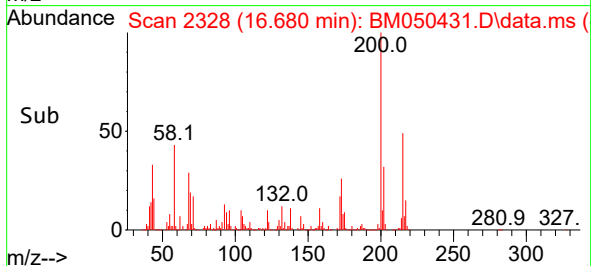
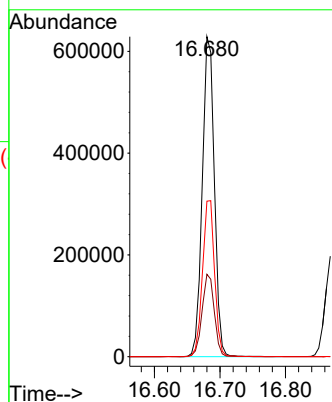
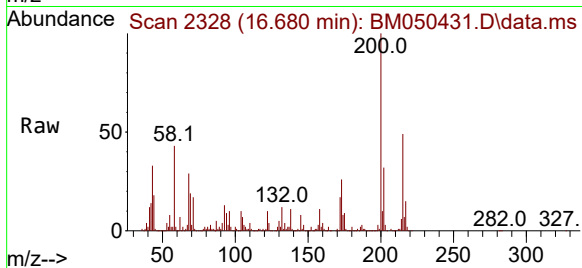
Tgt Ion:200 Resp: 807850

Ion Ratio Lower Upper

200 100

173 25.7 5.6 45.6

215 48.6 29.6 69.6



#70

Pentachlorophenol

Concen: 101.440 ng

RT: 16.868 min Scan# 2360

Delta R.T. -0.006 min

Lab File: BM050431.D

Acq: 14 Jul 2025 18:14

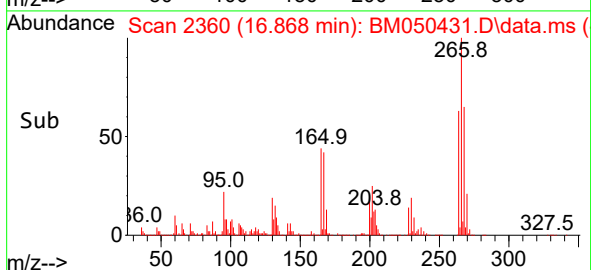
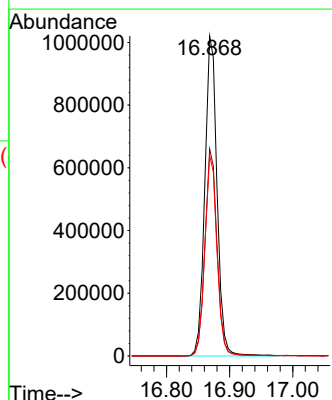
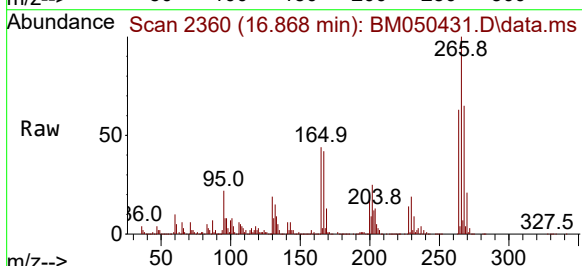
Tgt Ion:266 Resp: 1375686

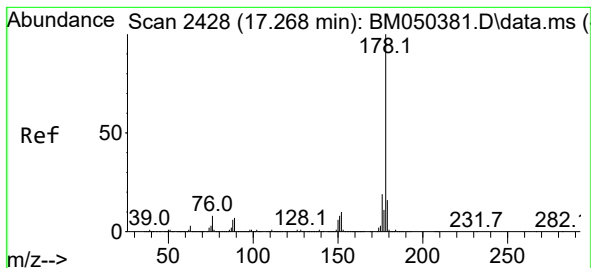
Ion Ratio Lower Upper

266 100

268 64.7 50.5 75.7

264 62.6 49.9 74.9





#71

Phenanthrene

Concen: 44.875 ng

RT: 17.262 min Scan# 2428

Delta R.T. -0.006 min

Lab File: BM050431.D

Acq: 14 Jul 2025 18:14

Instrument :

BNA_M

ClientSampleId :

PB168788BS

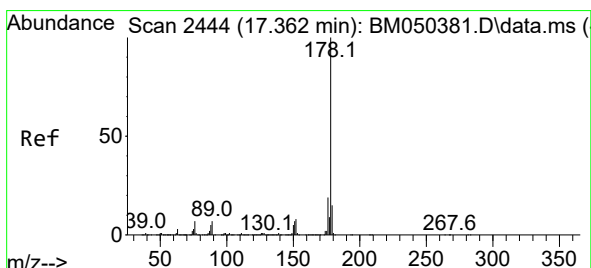
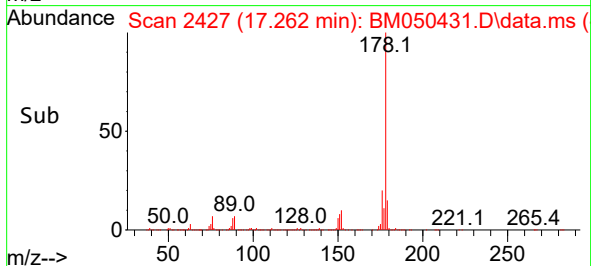
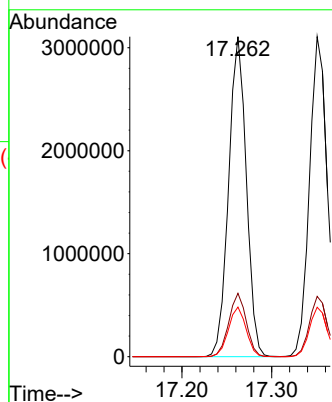
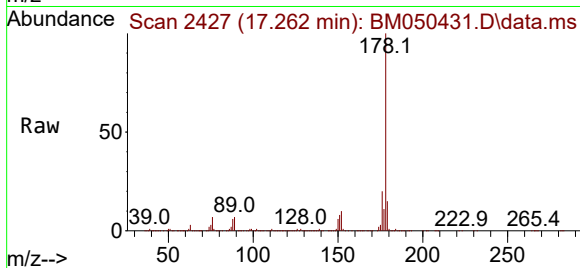
Tgt Ion:178 Resp: 4251161

Ion Ratio Lower Upper

178 100

176 19.8 15.4 23.0

179 15.5 12.5 18.7



#72

Anthracene

Concen: 45.552 ng

RT: 17.351 min Scan# 2442

Delta R.T. -0.012 min

Lab File: BM050431.D

Acq: 14 Jul 2025 18:14

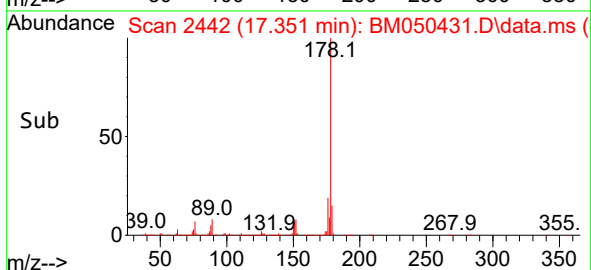
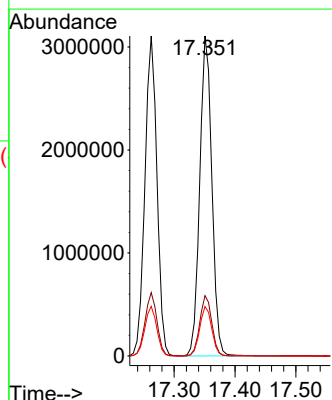
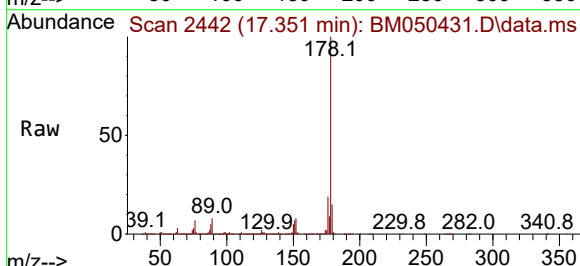
Tgt Ion:178 Resp: 4295445

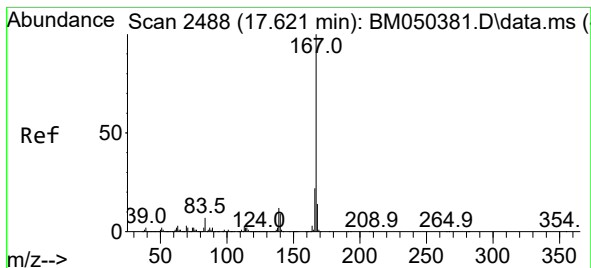
Ion Ratio Lower Upper

178 100

176 18.8 14.9 22.3

179 15.4 12.2 18.4





#73

Carbazole

Concen: 46.107 ng

RT: 17.615 min Scan# 24

Delta R.T. -0.006 min

Lab File: BM050431.D

Acq: 14 Jul 2025 18:14

Instrument :

BNA_M

ClientSampleId :

PB168788BS

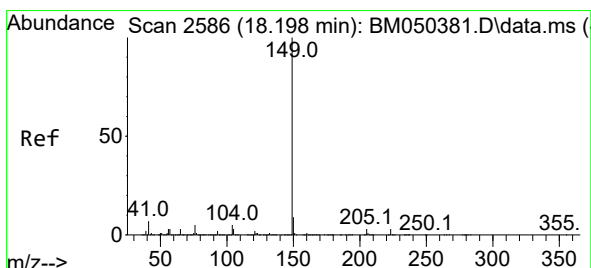
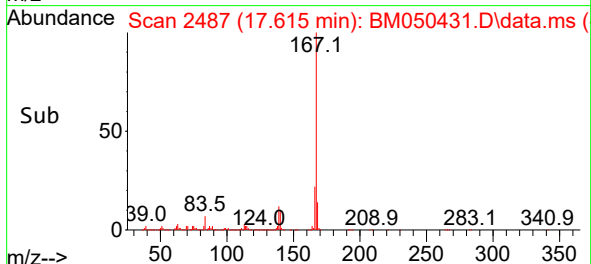
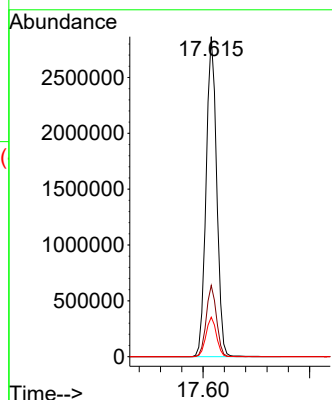
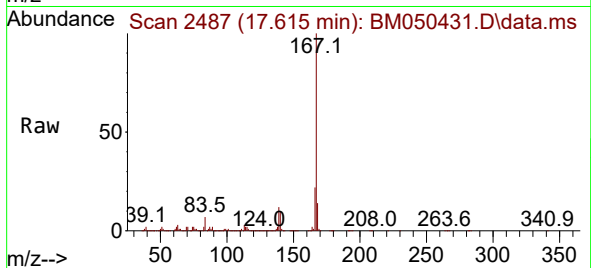
Tgt Ion:167 Resp: 3933983

Ion Ratio Lower Upper

167 100

166 22.3 17.2 25.8

139 12.3 9.9 14.9



#74

Di-n-butylphthalate

Concen: 46.045 ng

RT: 18.186 min Scan# 2584

Delta R.T. -0.012 min

Lab File: BM050431.D

Acq: 14 Jul 2025 18:14

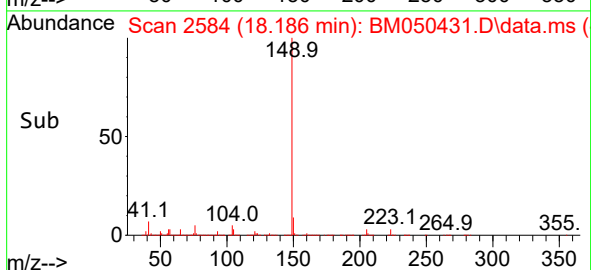
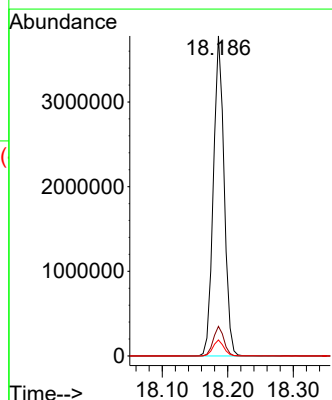
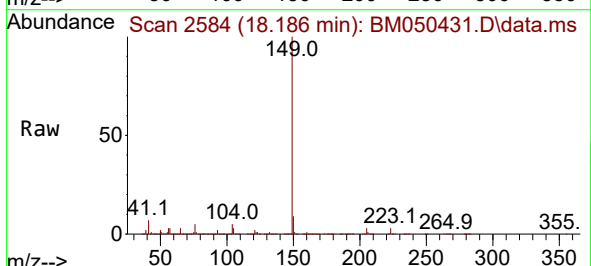
Tgt Ion:149 Resp: 4300123

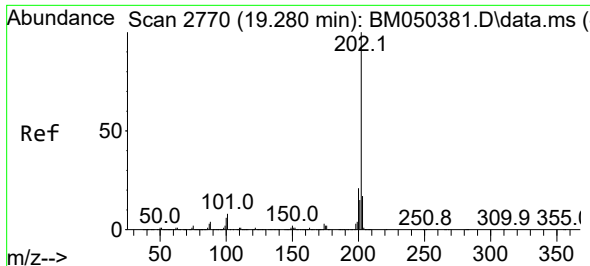
Ion Ratio Lower Upper

149 100

150 9.2 7.3 10.9

104 5.0 3.9 5.9

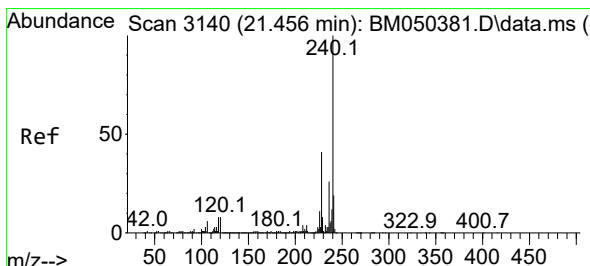
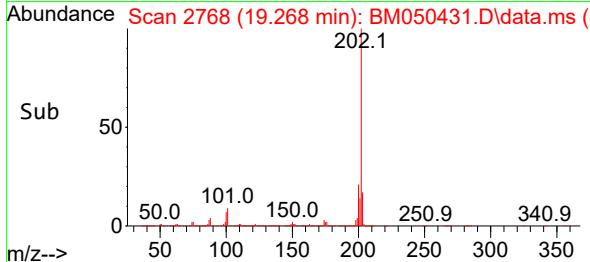
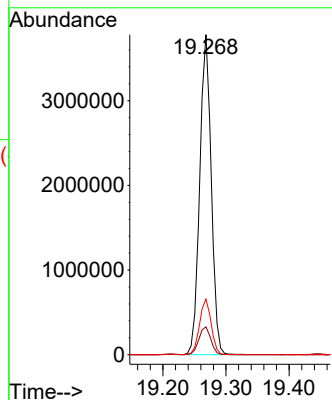
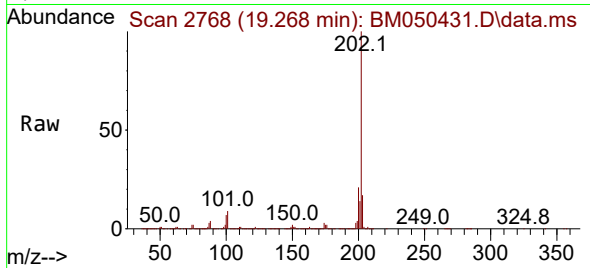




#75
Fluoranthene
Concen: 46.219 ng
RT: 19.268 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

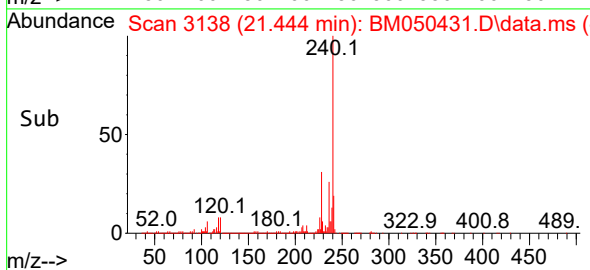
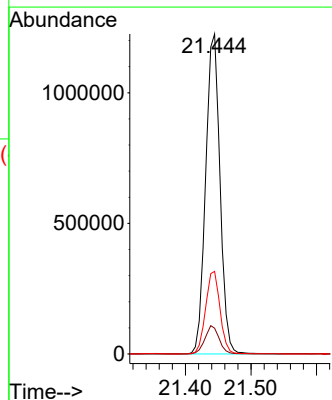
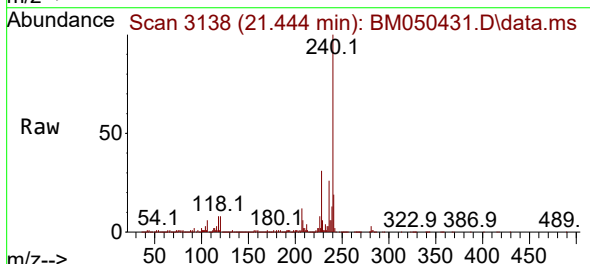
Instrument :
BNA_M
ClientSampleId :
PB168788BS

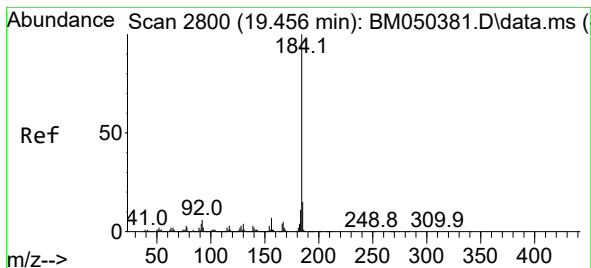
Tgt Ion:202 Resp: 4759904
Ion Ratio Lower Upper
202 100
101 8.7 0.0 28.3
203 17.4 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.444 min Scan# 3138
Delta R.T. -0.012 min
Lab File: BM050431.D
Acq: 14 Jul 2025 18:14

Tgt Ion:240 Resp: 1869204
Ion Ratio Lower Upper
240 100
120 8.1 6.7 10.1
236 25.8 20.7 31.1





#77

Benzidine

Concen: 48.290 ng

RT: 19.445 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050431.D

Acq: 14 Jul 2025 18:14

Instrument :

BNA_M

ClientSampleId :

PB168788BS

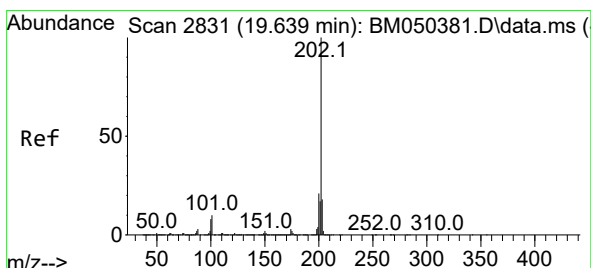
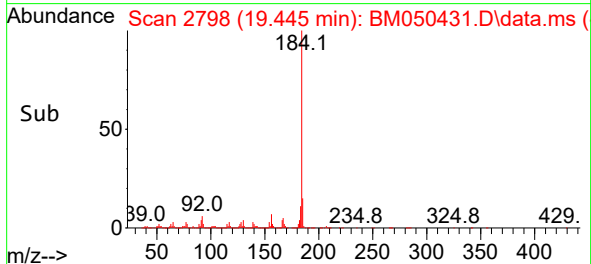
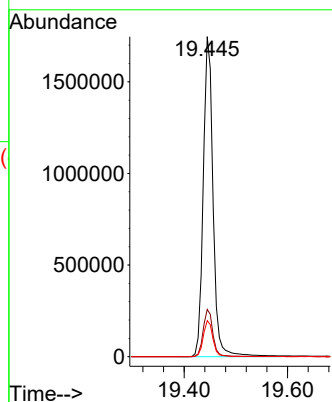
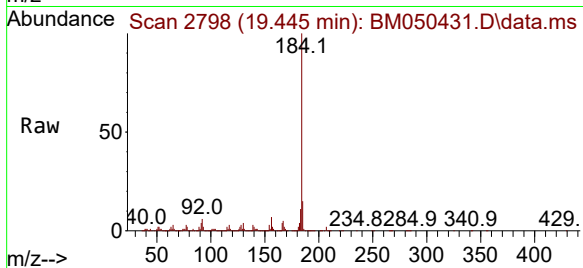
Tgt Ion:184 Resp: 2302291

Ion Ratio Lower Upper

184 100

185 14.7 11.7 17.5

183 11.2 9.0 13.6



#78

Pyrene

Concen: 42.723 ng

RT: 19.627 min Scan# 2829

Delta R.T. -0.012 min

Lab File: BM050431.D

Acq: 14 Jul 2025 18:14

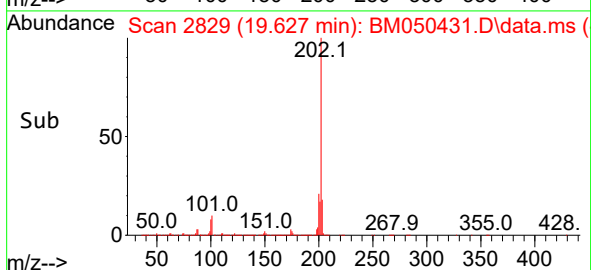
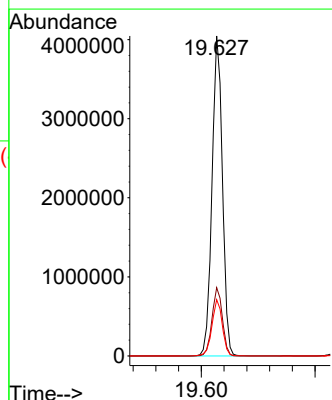
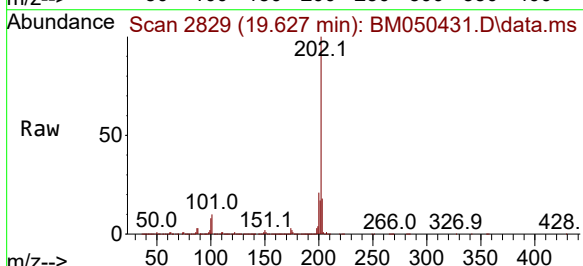
Tgt Ion:202 Resp: 5114562

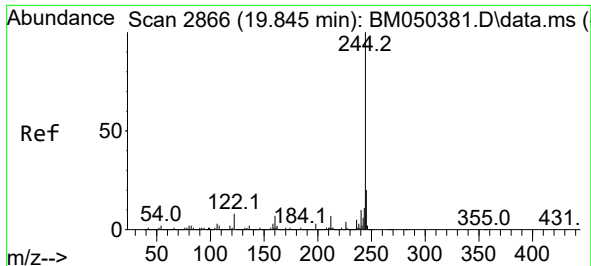
Ion Ratio Lower Upper

202 100

200 21.3 16.9 25.3

203 17.6 14.1 21.1

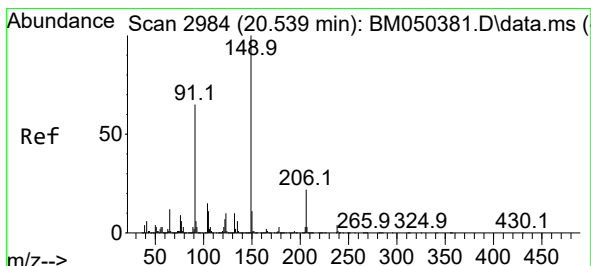
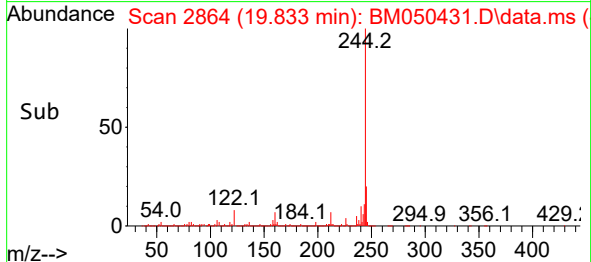
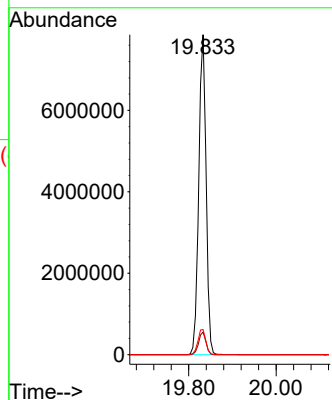
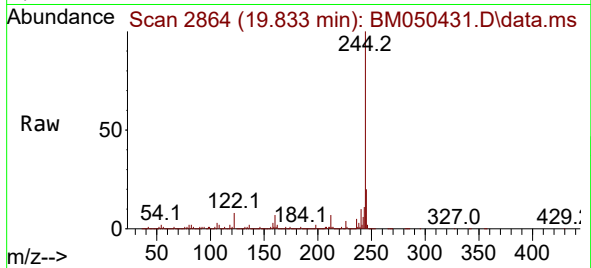




#79
 Terphenyl-d14
 Concen: 86.399 ng
 RT: 19.833 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM050431.D
 Acq: 14 Jul 2025 18:14

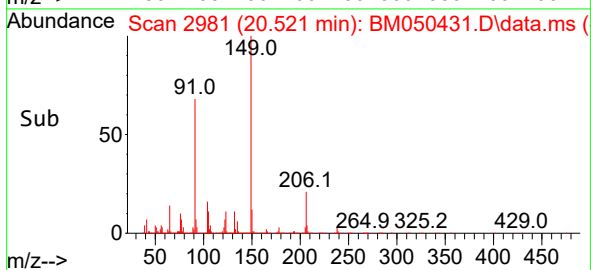
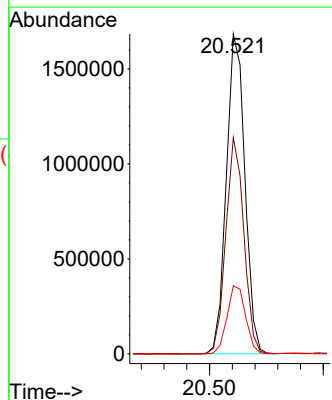
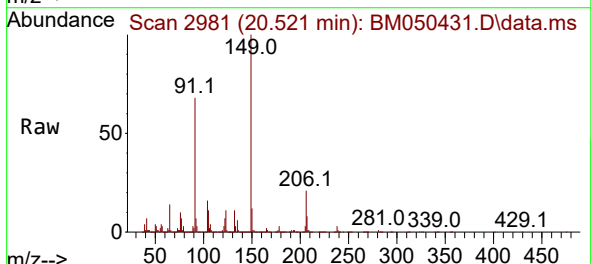
Instrument :
 BNA_M
 ClientSampleId :
 PB168788BS

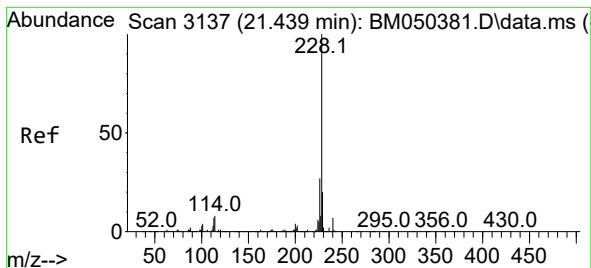
Tgt Ion:244 Resp: 9178775
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.7 8.5
 122 7.8 6.2 9.2



#80
 Butylbenzylphthalate
 Concen: 48.288 ng
 RT: 20.521 min Scan# 2981
 Delta R.T. -0.018 min
 Lab File: BM050431.D
 Acq: 14 Jul 2025 18:14

Tgt Ion:149 Resp: 1906091
 Ion Ratio Lower Upper
 149 100
 91 67.6 51.6 77.4
 206 21.3 17.8 26.8





#81

Benzo(a)anthracene

Concen: 45.749 ng

RT: 21.421 min Scan# 31

Delta R.T. -0.018 min

Lab File: BM050431.D

Acq: 14 Jul 2025 18:14

Instrument :

BNA_M

ClientSampleId :

PB168788BS

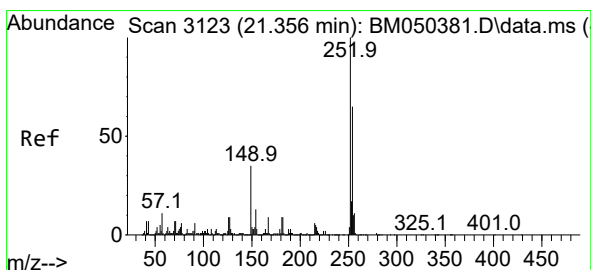
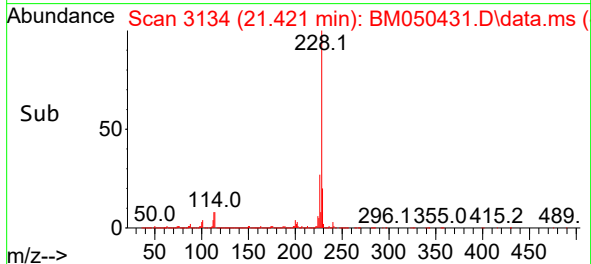
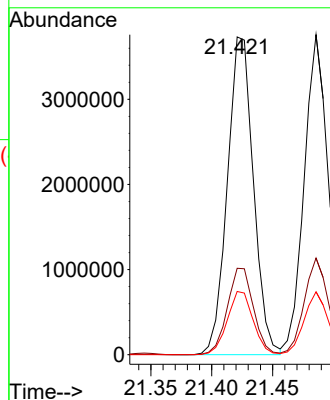
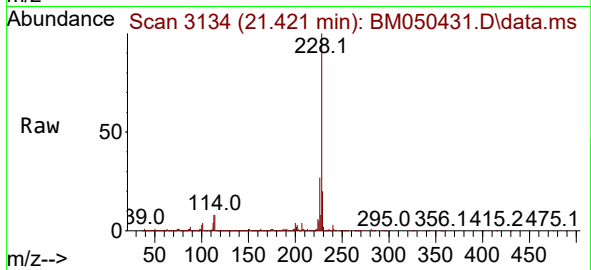
Tgt Ion:228 Resp: 5571833

Ion Ratio Lower Upper

228 100

226 27.2 21.8 32.8

229 19.9 16.0 24.0



#82

3,3'-Dichlorobenzidine

Concen: 37.194 ng

RT: 21.344 min Scan# 3121

Delta R.T. -0.012 min

Lab File: BM050431.D

Acq: 14 Jul 2025 18:14

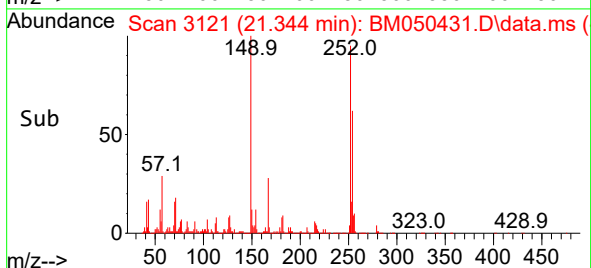
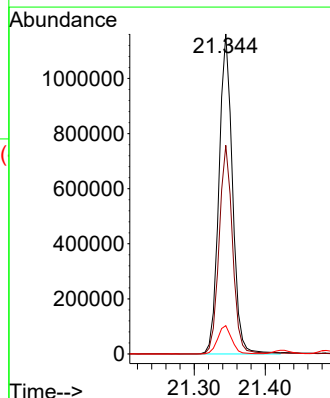
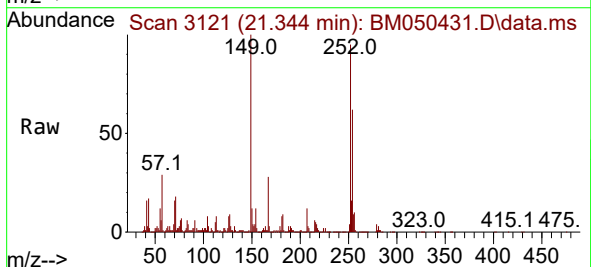
Tgt Ion:252 Resp: 1527630

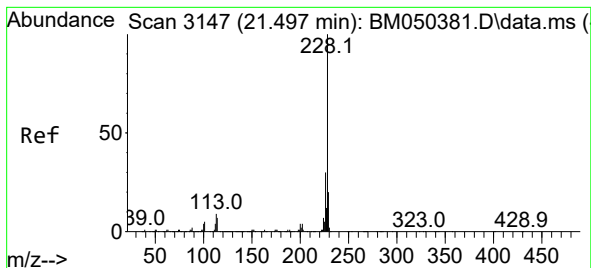
Ion Ratio Lower Upper

252 100

254 65.2 51.7 77.5

126 8.9 7.3 10.9





#83

Chrysene

Concen: 45.308 ng

RT: 21.486 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM050431.D

Acq: 14 Jul 2025 18:14

Instrument :

BNA_M

ClientSampleId :

PB168788BS

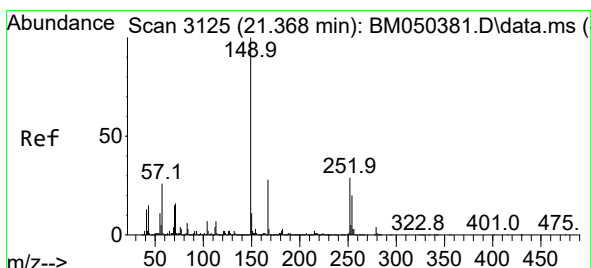
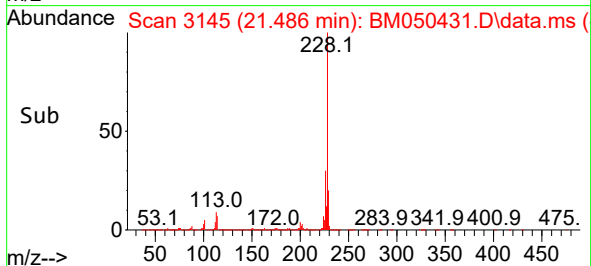
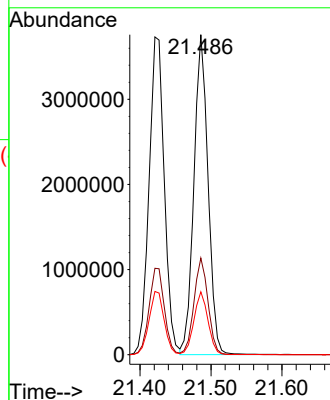
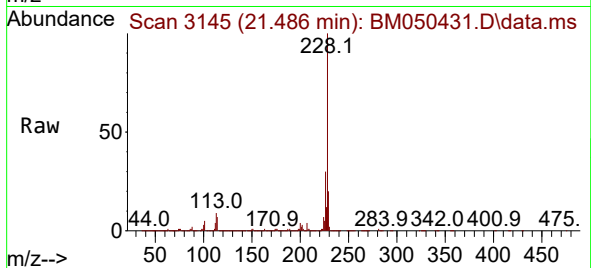
Tgt Ion:228 Resp: 5204746

Ion Ratio Lower Upper

228 100

226 30.2 24.2 36.4

229 19.6 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 48.348 ng

RT: 21.356 min Scan# 3123

Delta R.T. -0.012 min

Lab File: BM050431.D

Acq: 14 Jul 2025 18:14

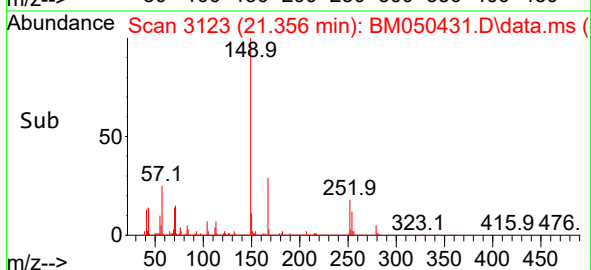
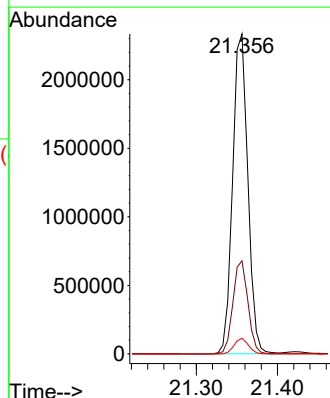
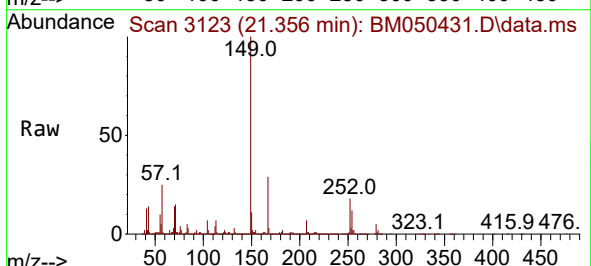
Tgt Ion:149 Resp: 3029641

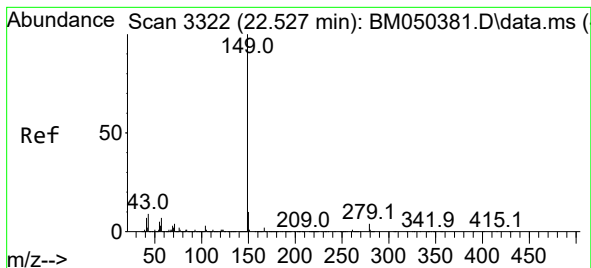
Ion Ratio Lower Upper

149 100

167 29.1 22.7 34.1

279 4.9 3.5 5.3





#85

Di-n-octyl phthalate

Concen: 50.819 ng

RT: 22.503 min Scan# 31

Delta R.T. -0.024 min

Lab File: BM050431.D

Acq: 14 Jul 2025 18:14

Instrument :

BNA_M

ClientSampleId :

PB168788BS

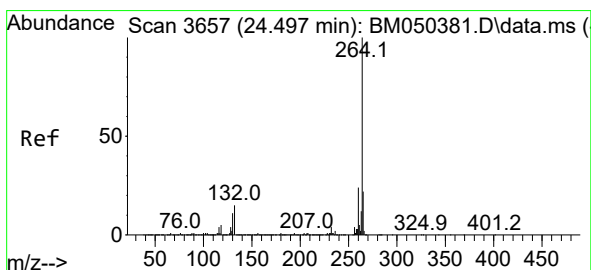
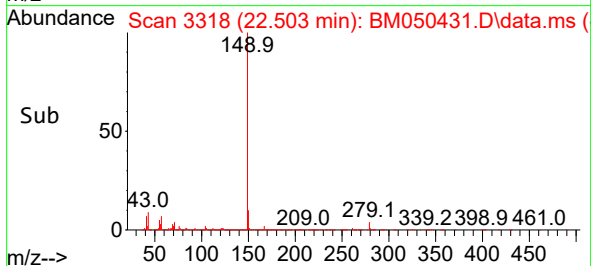
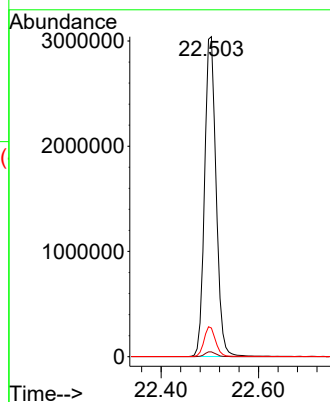
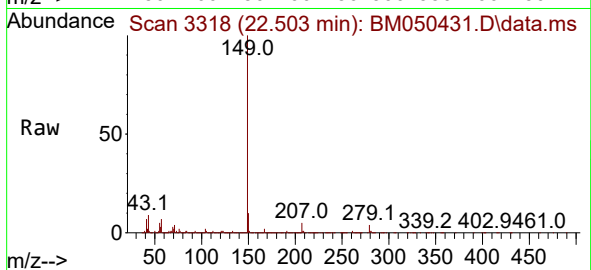
Tgt Ion:149 Resp: 4987537

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

43 9.4 7.7 11.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.474 min Scan# 3653

Delta R.T. -0.024 min

Lab File: BM050431.D

Acq: 14 Jul 2025 18:14

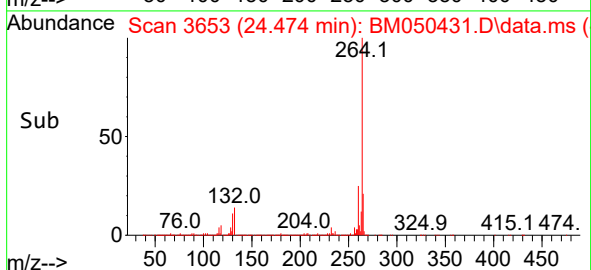
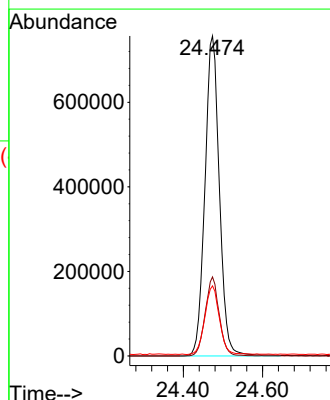
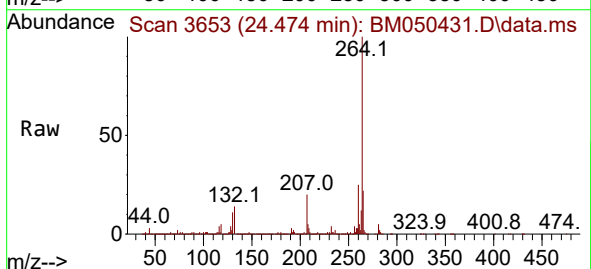
Tgt Ion:264 Resp: 1912993

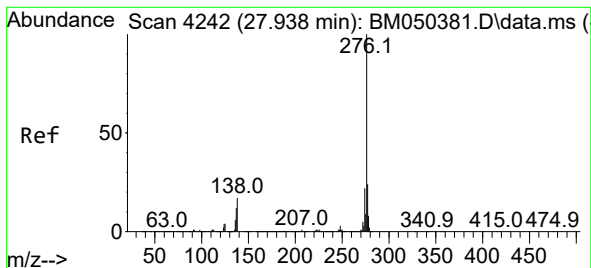
Ion Ratio Lower Upper

264 100

260 24.7 19.2 28.8

265 21.9 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 47.794 ng

RT: 27.903 min Scan# 41

Delta R.T. -0.035 min

Lab File: BM050431.D

Acq: 14 Jul 2025 18:14

Instrument :

BNA_M

ClientSampleId :

PB168788BS

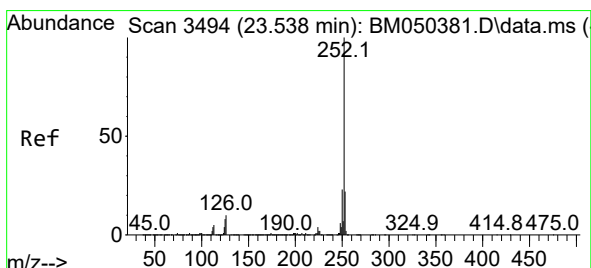
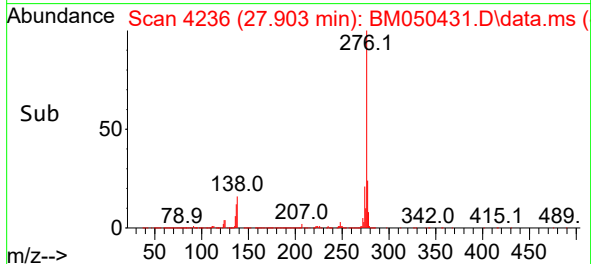
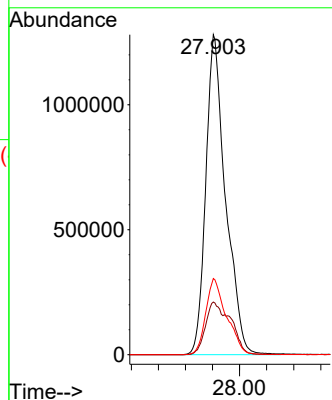
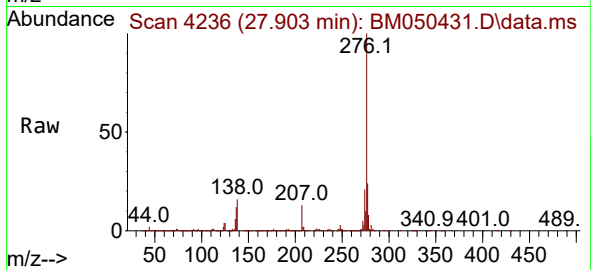
Tgt Ion:276 Resp: 6500550

Ion Ratio Lower Upper

276 100

138 20.9 17.0 25.6

277 25.0 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 47.531 ng

RT: 23.515 min Scan# 3490

Delta R.T. -0.024 min

Lab File: BM050431.D

Acq: 14 Jul 2025 18:14

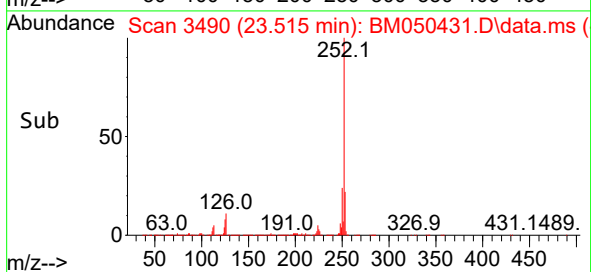
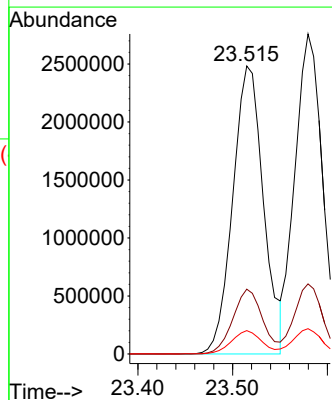
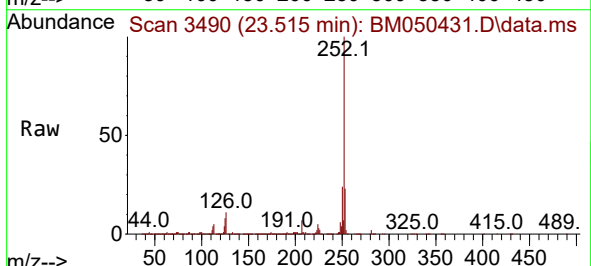
Tgt Ion:252 Resp: 5592865

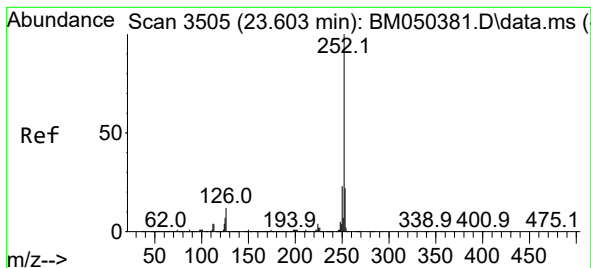
Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

125 8.1 6.3 9.5





#89

Benzo(k)fluoranthene

Concen: 46.074 ng

RT: 23.580 min Scan# 3

Delta R.T. -0.024 min

Lab File: BM050431.D

Acq: 14 Jul 2025 18:14

Instrument :

BNA_M

ClientSampleId :

PB168788BS

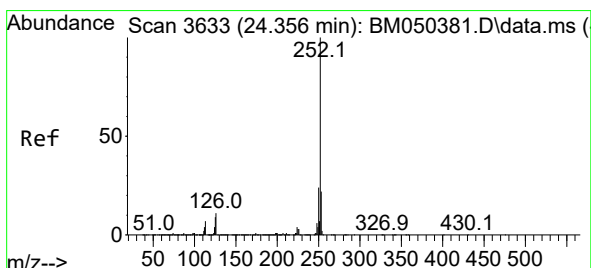
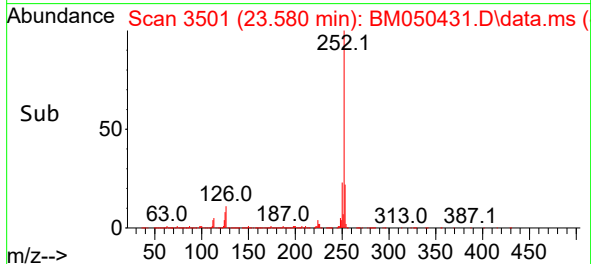
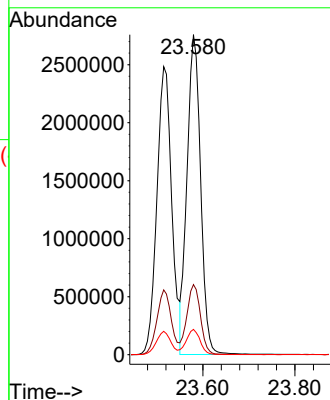
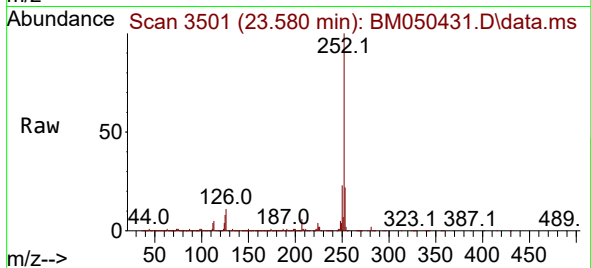
Tgt Ion:252 Resp: 5625472

Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

125 7.9 6.2 9.2



#90

Benzo(a)pyrene

Concen: 47.724 ng

RT: 24.332 min Scan# 3629

Delta R.T. -0.024 min

Lab File: BM050431.D

Acq: 14 Jul 2025 18:14

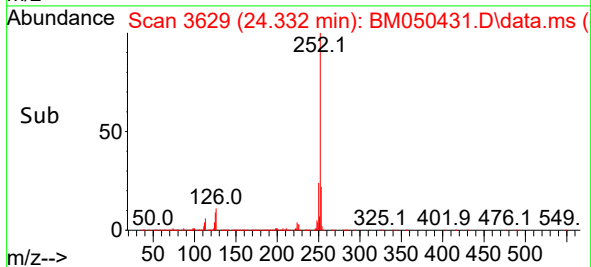
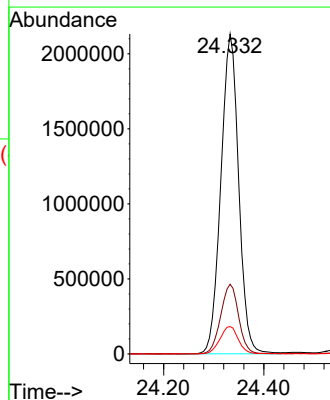
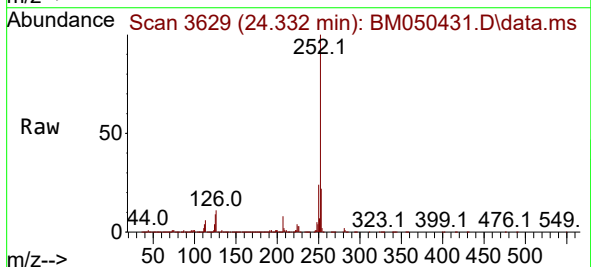
Tgt Ion:252 Resp: 5256838

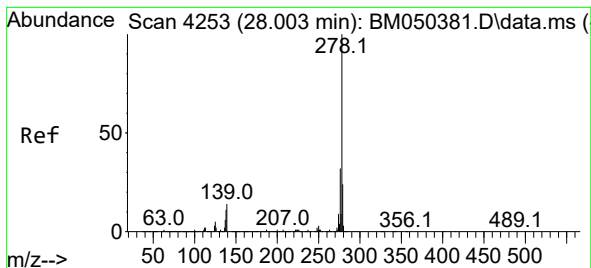
Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.6

125 8.5 7.0 10.4





#91

Dibenzo(a,h)anthracene

Concen: 47.908 ng

RT: 27.968 min Scan# 41

Delta R.T. -0.035 min

Lab File: BM050431.D

Acq: 14 Jul 2025 18:14

Instrument :

BNA_M

ClientSampleId :

PB168788BS

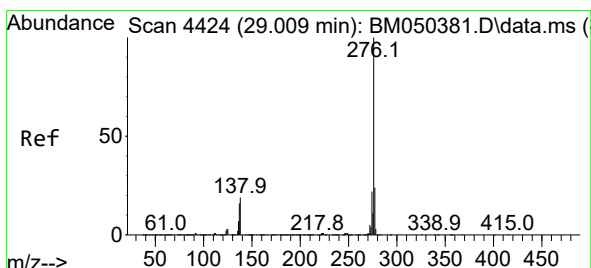
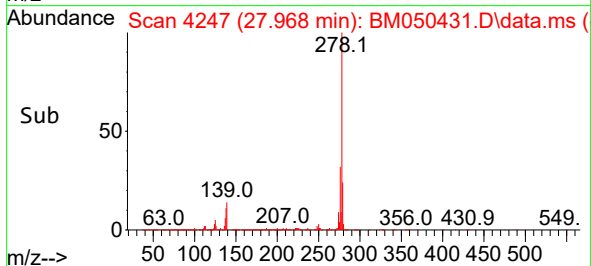
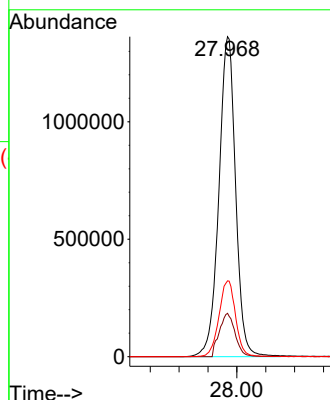
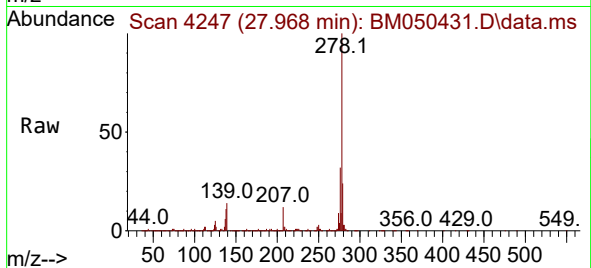
Tgt Ion:278 Resp: 5487663

Ion Ratio Lower Upper

278 100

139 13.6 10.8 16.2

279 23.7 19.4 29.0



#92

Benzo(g,h,i)perylene

Concen: 47.810 ng

RT: 28.979 min Scan# 4419

Delta R.T. -0.029 min

Lab File: BM050431.D

Acq: 14 Jul 2025 18:14

Tgt Ion:276 Resp: 5175849

Ion Ratio Lower Upper

276 100

277 23.7 19.1 28.7

138 18.2 14.9 22.3

