

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071425\
 Data File : BM050434.D
 Acq On : 14 Jul 2025 20:14
 Operator : RC/JU
 Sample : PB168816BS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB168816BS

Quant Time: Jul 15 02:03:18 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	363728	20.000	ng	0.00
21) Naphthalene-d8	10.657	136	1355774	20.000	ng	0.00
39) Acenaphthene-d10	14.486	164	836315	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	1570373	20.000	ng	0.00
76) Chrysene-d12	21.439	240	1747795	20.000	ng	-0.02
86) Perylene-d12	24.468	264	1758315	20.000	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	3158511	149.474	ng	0.00
7) Phenol-d6	7.028	99	3971297	149.086	ng	0.00
23) Nitrobenzene-d5	9.016	82	2379432	89.539	ng	0.00
42) 2,4,6-Tribromophenol	15.969	330	1677653	165.102	ng	0.00
45) 2-Fluorobiphenyl	13.116	172	6059707	89.480	ng	0.00
79) Terphenyl-d14	19.827	244	9772918	98.381	ng	-0.02

Target Compounds					Qvalue	
2) 1,4-Dioxane	3.334	88	357226	41.112	ng	98
3) Pyridine	3.734	79	1000010	43.838	ng	100
4) n-Nitrosodimethylamine	3.640	42	534275	50.239	ng	99
6) Aniline	7.187	93	1353734	39.600	ng	99
8) 2-Chlorophenol	7.428	128	1199754	53.845	ng	98
9) Benzaldehyde	6.999	77	749237	47.283	ng	96
10) Phenol	7.051	94	1509676	54.338	ng	99
11) bis(2-Chloroethyl)ether	7.281	93	1127316	50.665	ng	100
12) 1,3-Dichlorobenzene	7.751	146	1329222	49.061	ng	98
13) 1,4-Dichlorobenzene	7.899	146	1369857	49.516	ng	99
14) 1,2-Dichlorobenzene	8.216	146	1325994	50.065	ng	98
15) Benzyl Alcohol	8.098	79	984718	52.466	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.387	45	1623965	49.551	ng	99
17) 2-Methylphenol	8.298	107	971575	53.917	ng	97
18) Hexachloroethane	8.945	117	490406	50.404	ng	98
19) n-Nitroso-di-n-propyla...	8.669	70	842689	52.221	ng	98
20) 3+4-Methylphenols	8.628	107	1275572	52.731	ng	99
22) Acetophenone	8.681	105	1750256	51.633	ng	# 98
24) Nitrobenzene	9.057	77	1236205	52.130	ng	99
25) Isophorone	9.587	82	2237912	51.898	ng	99
26) 2-Nitrophenol	9.769	139	557713	57.706	ng	98
27) 2,4-Dimethylphenol	9.828	122	1097855	53.383	ng	97
28) bis(2-Chloroethoxy)met...	10.063	93	1470114	51.450	ng	99
29) 2,4-Dichlorophenol	10.304	162	1158666	54.839	ng	98
30) 1,2,4-Trichlorobenzene	10.522	180	1286539	50.901	ng	99
31) Naphthalene	10.704	128	3496079	50.768	ng	100
32) Benzoic acid	9.951	122	666825	52.224	ng	99
33) 4-Chloroaniline	10.804	127	678119	23.293	ng	100
34) Hexachlorobutadiene	11.004	225	785353	50.909	ng	99
35) Caprolactam	11.581	113	307412	53.298	ng	97
36) 4-Chloro-3-methylphenol	11.928	107	1082852	54.883	ng	99
37) 2-Methylnaphthalene	12.316	142	2271242	52.236	ng	99
38) 1-Methylnaphthalene	12.533	142	2386598	51.865	ng	100
40) 1,2,4,5-Tetrachloroben...	12.686	216	1475238	55.469	ng	99
41) Hexachlorocyclopentadiene	12.669	237	1979022	116.411	ng	98
43) 2,4,6-Trichlorophenol	12.922	196	935699	57.157	ng	98

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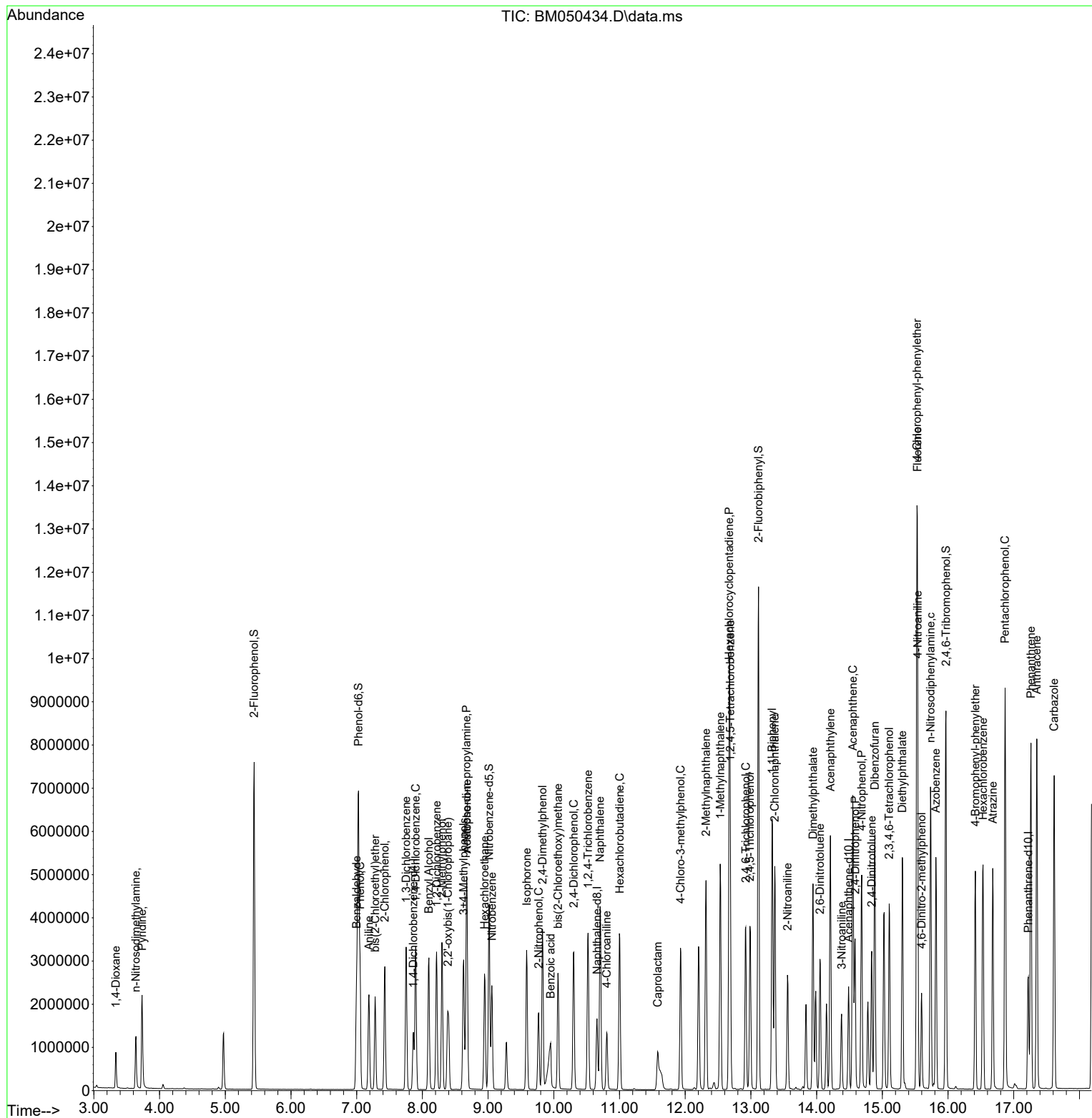
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.986	196	1021261	57.121	ng	99
46) 1,1'-Biphenyl	13.322	154	3305236	53.268	ng	99
47) 2-Chloronaphthalene	13.363	162	2624299	53.046	ng	99
48) 2-Nitroaniline	13.557	65	659109	59.687	ng	98
49) Acenaphthylene	14.210	152	4056336	54.253	ng	99
50) Dimethylphthalate	13.945	163	3097732	53.800	ng	100
51) 2,6-Dinitrotoluene	14.051	165	641216	58.001	ng	96
52) Acenaphthene	14.551	154	2807273m	59.059	ng	
53) 3-Nitroaniline	14.380	138	416285	35.407	ng	97
54) 2,4-Dinitrophenol	14.586	184	723742	115.545	ng	86
55) Dibenzofuran	14.886	168	3873403	52.886	ng	100
56) 4-Nitrophenol	14.686	139	1240819	122.724	ng	94
57) 2,4-Dinitrotoluene	14.839	165	911484	54.674	ng	98
58) Fluorene	15.533	166	3257067	53.991	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.104	232	862632	57.317	ng	99
60) Diethylphthalate	15.304	149	2974472	54.081	ng	99
61) 4-Chlorophenyl-phenyle...	15.527	204	1697794	53.823	ng	99
62) 4-Nitroaniline	15.539	138	695111	51.242	ng	95
63) Azobenzene	15.816	77	2767488	54.797	ng	98
65) 4,6-Dinitro-2-methylph...	15.598	198	465048	54.145	ng	96
66) n-Nitrosodiphenylamine	15.733	169	2691246	54.767	ng	98
67) 4-Bromophenyl-phenylether	16.416	248	963667	55.697	ng	99
68) Hexachlorobenzene	16.533	284	1125519	55.079	ng	97
69) Atrazine	16.680	200	930604	57.673	ng	99
70) Pentachlorophenol	16.869	266	1615023	126.958	ng	99
71) Phenanthrene	17.263	178	4808002	54.107	ng	100
72) Anthracene	17.351	178	4897400	55.368	ng	100
73) Carbazole	17.616	167	4513000	56.389	ng	99
74) Di-n-butylphthalate	18.186	149	4944130	56.440	ng	100
75) Fluoranthene	19.268	202	5531406	57.260	ng	99
77) Benzidine	19.445	184	2650051	59.445	ng	100
78) Pyrene	19.627	202	5910432	52.801	ng	100
80) Butylbenzylphthalate	20.521	149	2239356	60.672	ng	98
81) Benzo(a)anthracene	21.421	228	6362620	55.871	ng	100
82) 3,3'-Dichlorobenzidine	21.339	252	1457621	37.954	ng	99
83) Chrysene	21.486	228	6015595	56.004	ng	100
84) Bis(2-ethylhexyl)phtha...	21.351	149	3454804	58.963	ng	99
85) Di-n-octyl phthalate	22.498	149	5724245	62.377	ng	99
87) Indeno(1,2,3-cd)pyrene	27.903	276	7150355	57.196	ng	99
88) Benzo(b)fluoranthene	23.515	252	6174896	57.094	ng	100
89) Benzo(k)fluoranthene	23.580	252	6340126	56.495	ng	100
90) Benzo(a)pyrene	24.327	252	5906944	58.344	ng	100
91) Dibenzo(a,h)anthracene	27.962	278	6018299	57.162	ng	100
92) Benzo(g,h,i)perylene	28.974	276	5673690	57.019	ng	99

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

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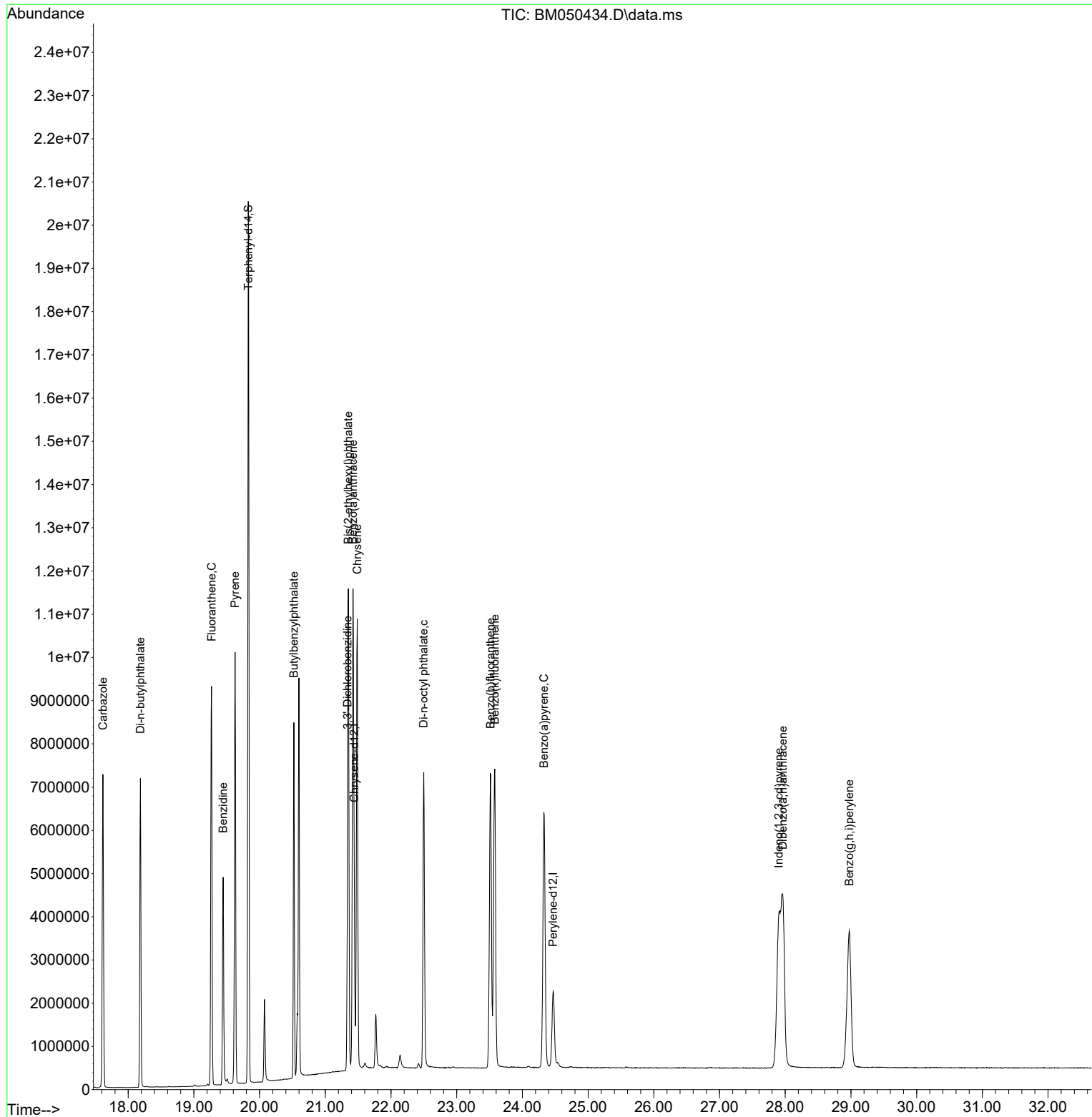
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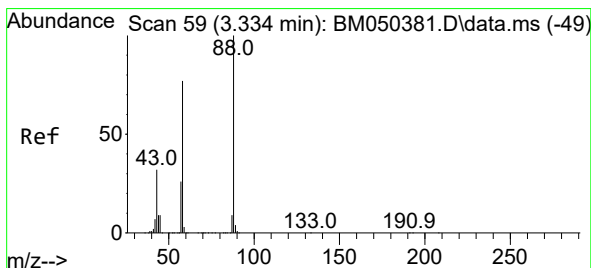
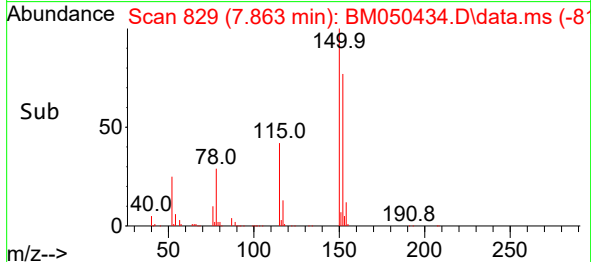
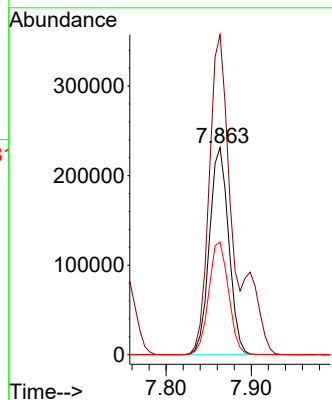
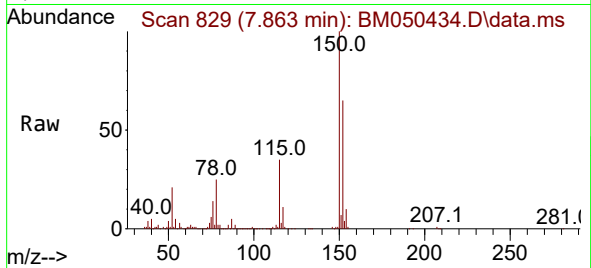




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.863 min Scan# 829
 Delta R.T. 0.000 min
 Lab File: BM050434.D
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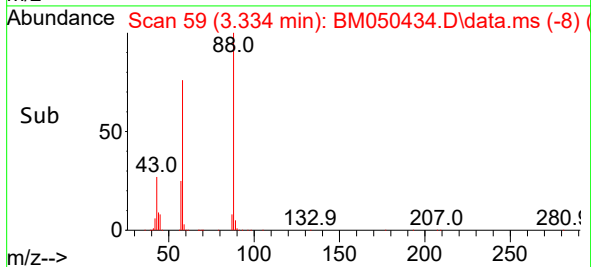
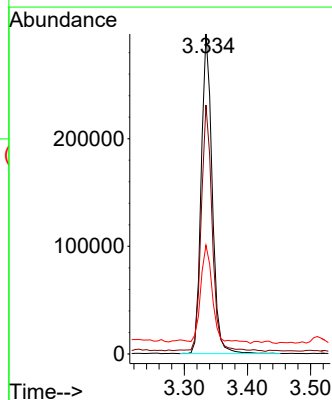
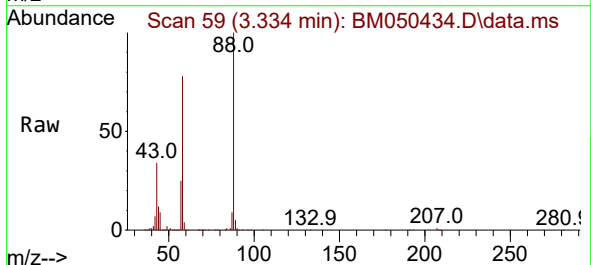
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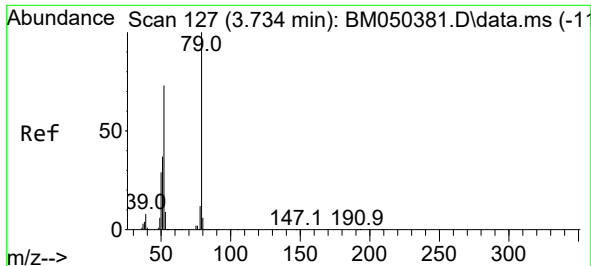
Tgt Ion:152 Resp: 363728
 Ion Ratio Lower Upper
 152 100
 150 154.5 126.2 189.4
 115 54.4 45.8 68.8



#2
 1,4-Dioxane
 Concen: 41.112 ng
 RT: 3.334 min Scan# 59
 Delta R.T. 0.000 min
 Lab File: BM050434.D
 Acq: 14 Jul 2025 20:14

Tgt Ion: 88 Resp: 357226
 Ion Ratio Lower Upper
 88 100
 58 77.6 61.0 91.6
 43 33.2 24.6 37.0

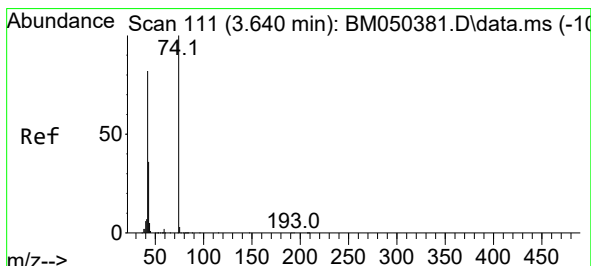
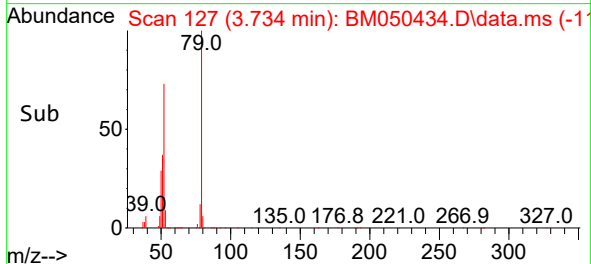
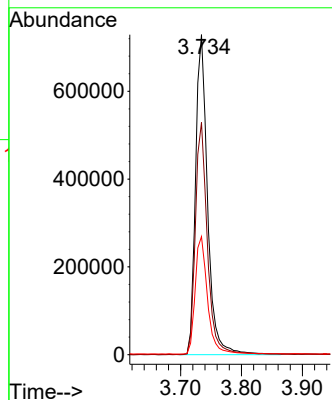
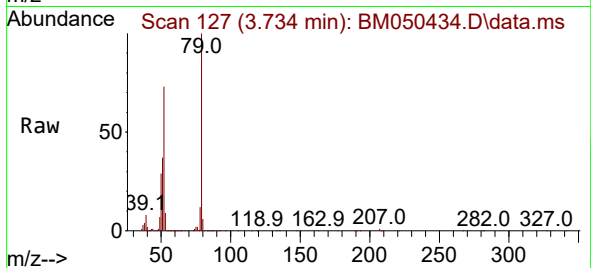




#3
Pyridine
Concen: 43.838 ng
RT: 3.734 min Scan# 127
Delta R.T. 0.000 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

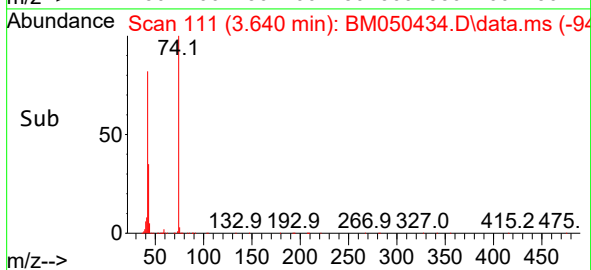
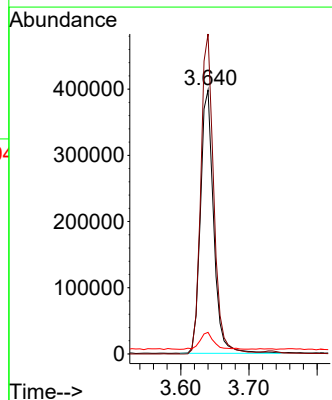
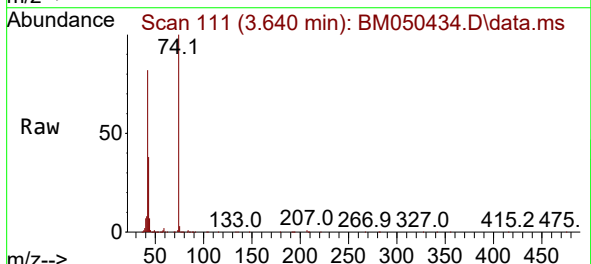
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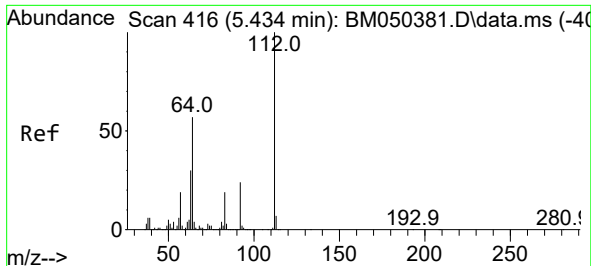
Tgt Ion: 79 Resp: 1000010
Ion Ratio Lower Upper
79 100
52 72.5 58.3 87.5
51 36.9 29.6 44.4



#4
n-Nitrosodimethylamine
Concen: 50.239 ng
RT: 3.640 min Scan# 111
Delta R.T. 0.000 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

Tgt Ion: 42 Resp: 534275
Ion Ratio Lower Upper
42 100
74 121.3 97.5 146.3
44 8.2 5.7 8.5

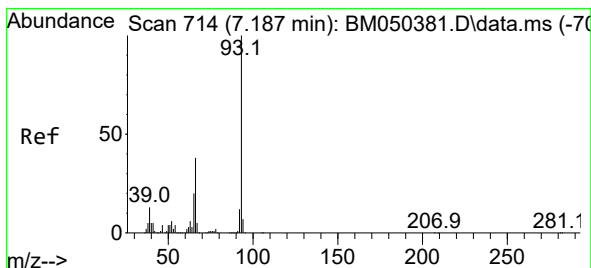
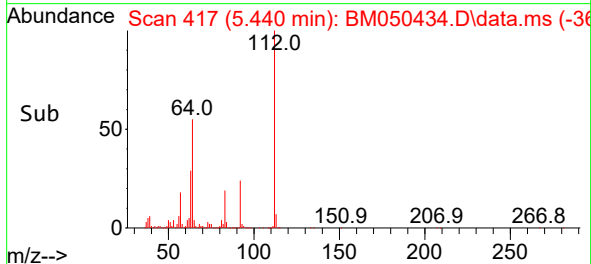
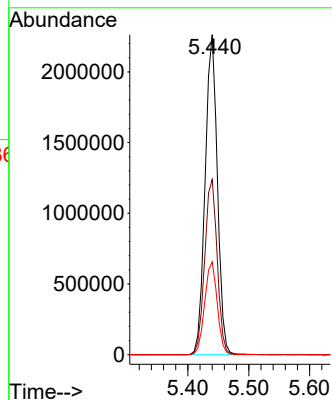
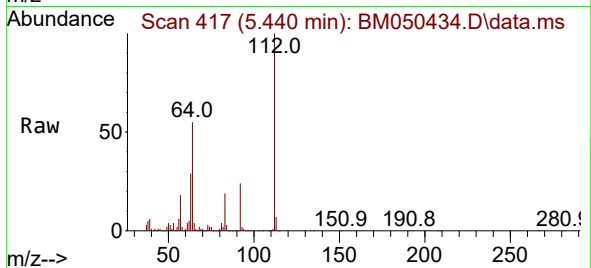




#5
2-Fluorophenol
Concen: 149.474 ng
RT: 5.440 min Scan# 416
Delta R.T. 0.006 min
Lab File: BM050434.D
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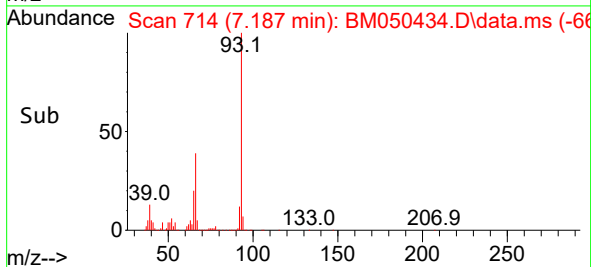
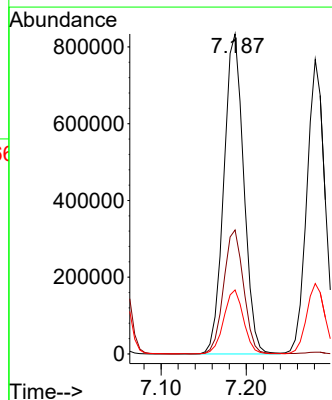
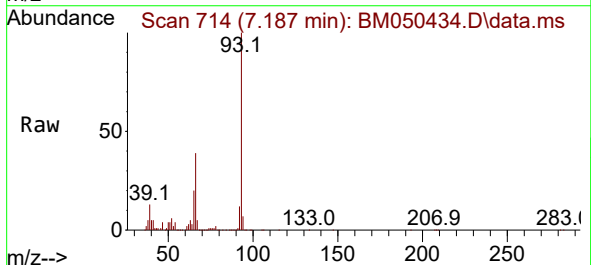
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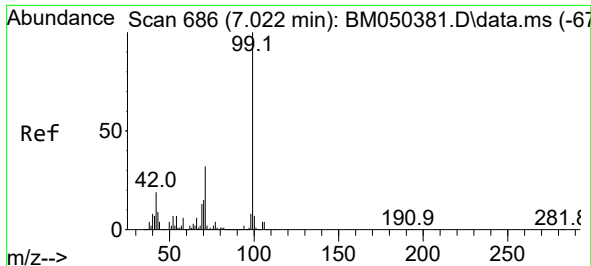
Tgt Ion:112 Resp: 3158511
Ion Ratio Lower Upper
112 100
64 54.7 45.5 68.3
63 29.0 24.2 36.4



#6
Aniline
Concen: 39.600 ng
RT: 7.187 min Scan# 714
Delta R.T. 0.000 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

Tgt Ion: 93 Resp: 1353734
Ion Ratio Lower Upper
93 100
66 38.7 30.5 45.7
65 20.0 15.9 23.9

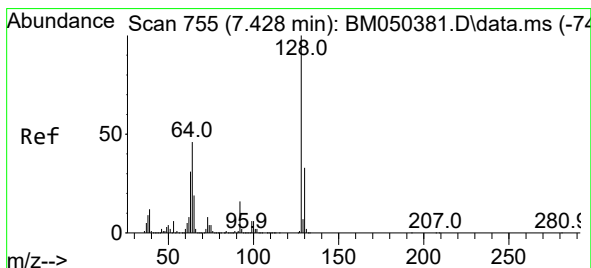
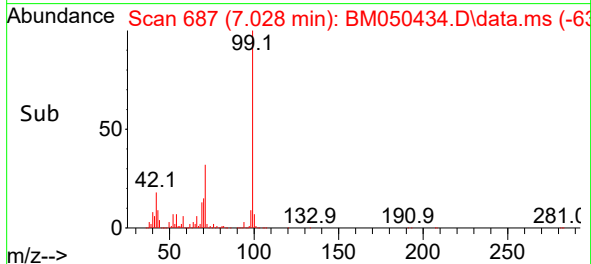
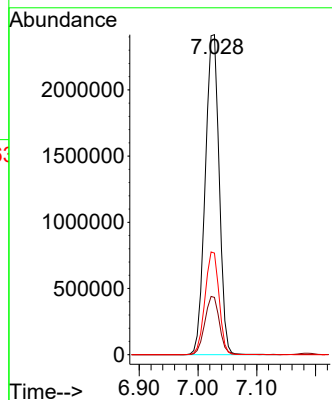
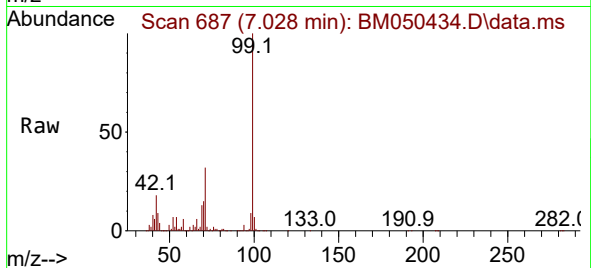




#7
Phenol-d6
Concen: 149.086 ng
RT: 7.028 min Scan# 687
Delta R.T. 0.006 min
Lab File: BM050434.D
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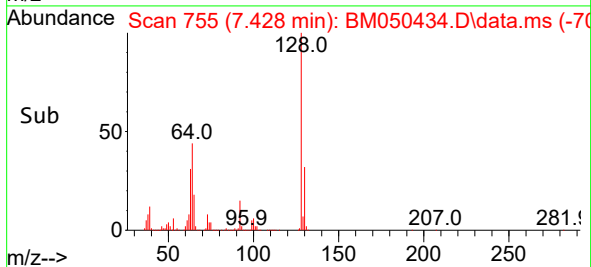
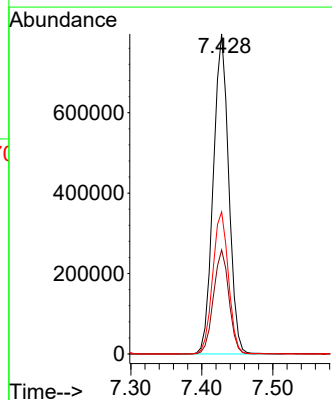
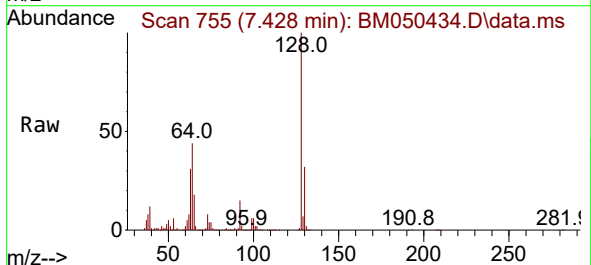
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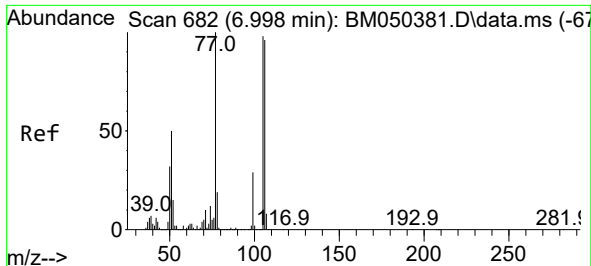
Tgt Ion: 99 Resp: 3971297
Ion Ratio Lower Upper
99 100
42 17.9 15.0 22.6
71 31.8 25.9 38.9



#8
2-Chlorophenol
Concen: 53.845 ng
RT: 7.428 min Scan# 755
Delta R.T. 0.000 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

Tgt Ion: 128 Resp: 1199754
Ion Ratio Lower Upper
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130 32.5 13.3 53.3
64 44.4 25.6 65.6

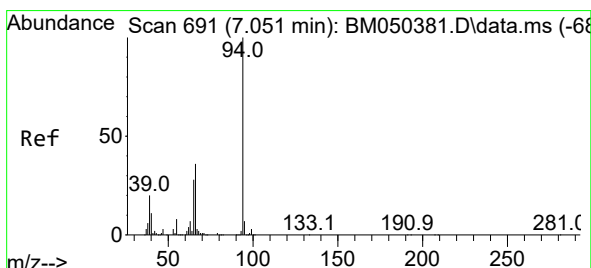
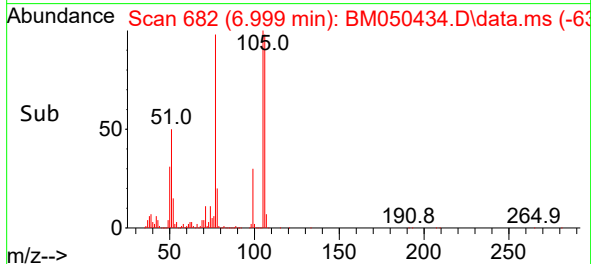
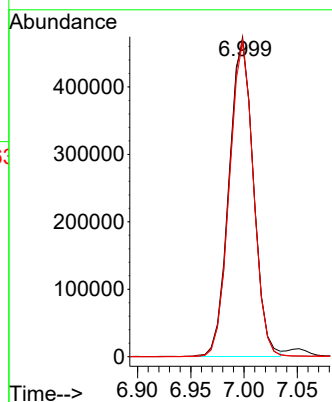
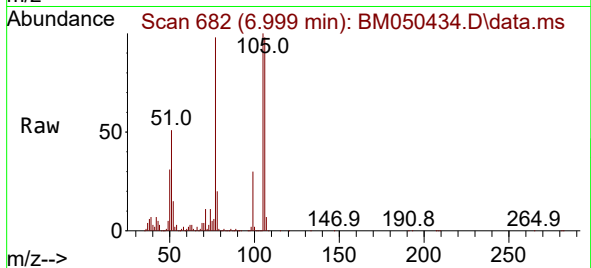




#9
Benzaldehyde
Concen: 47.283 ng
RT: 6.999 min Scan# 682
Delta R.T. 0.001 min
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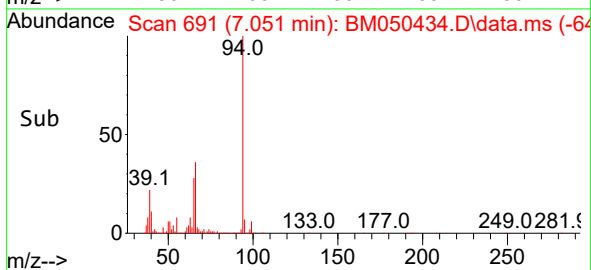
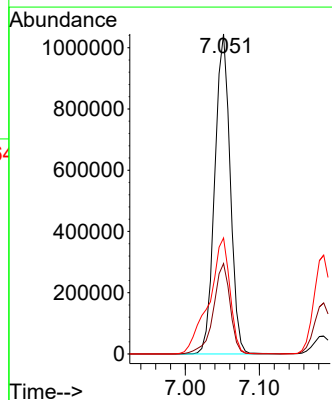
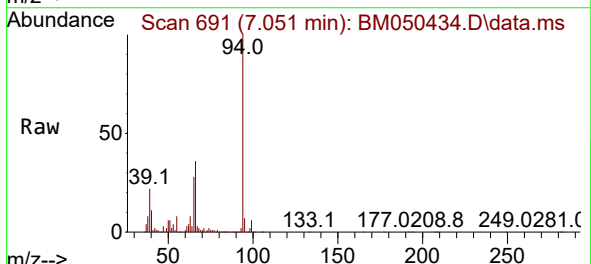
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ClientSampleId :
PB168816BS

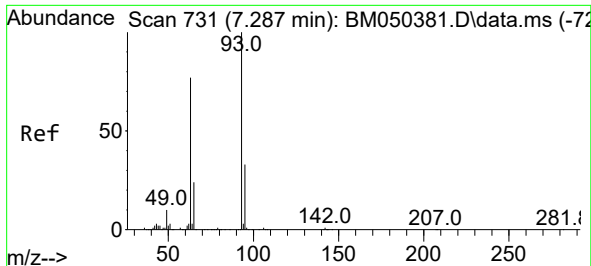
Tgt Ion: 77 Resp: 749237
Ion Ratio Lower Upper
77 100
105 101.7 78.4 118.4
106 100.2 76.3 116.3



#10
Phenol
Concen: 54.338 ng
RT: 7.051 min Scan# 691
Delta R.T. 0.000 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

Tgt Ion: 94 Resp: 1509676
Ion Ratio Lower Upper
94 100
65 28.3 8.1 48.1
66 36.2 15.8 55.8

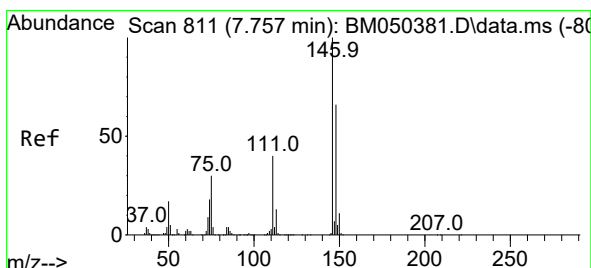
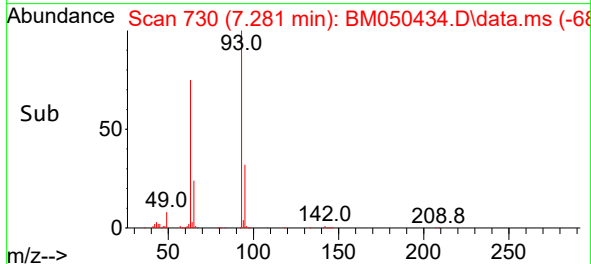
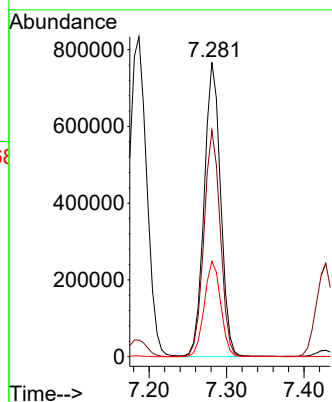
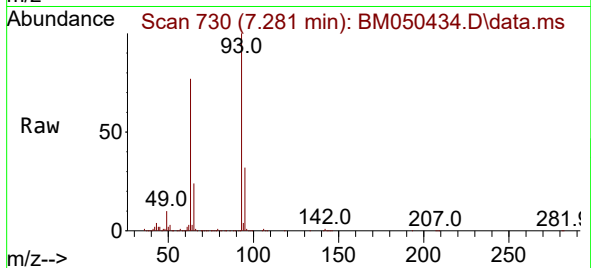




#11
bis(2-Chloroethyl)ether
Concen: 50.665 ng
RT: 7.281 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

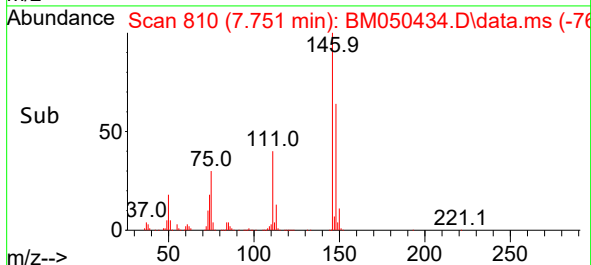
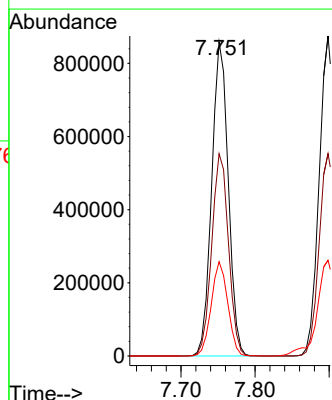
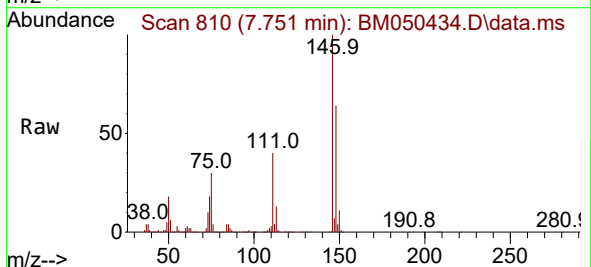
Instrument :
BNA_M
ClientSampleId :
PB168816BS

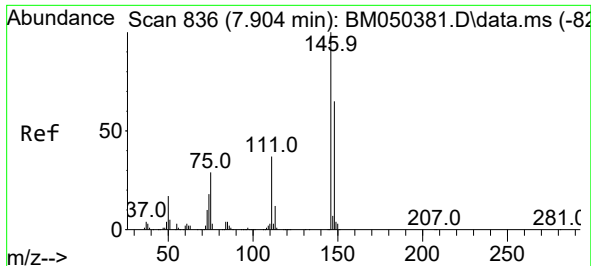
Tgt Ion: 93 Resp: 1127316
Ion Ratio Lower Upper
93 100
63 76.8 56.9 96.9
95 32.4 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 49.061 ng
RT: 7.751 min Scan# 810
Delta R.T. -0.006 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

Tgt Ion:146 Resp: 1329222
Ion Ratio Lower Upper
146 100
148 64.4 53.2 79.8
75 30.0 23.9 35.9

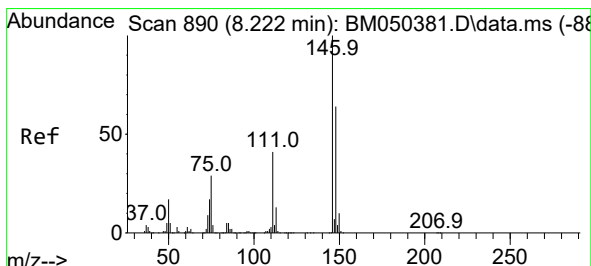
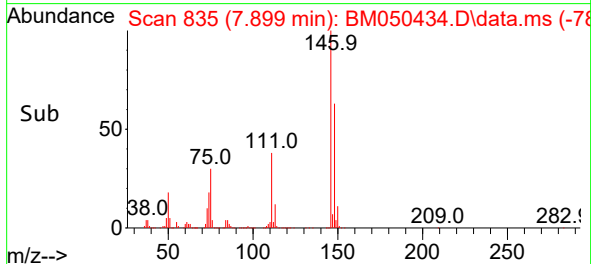
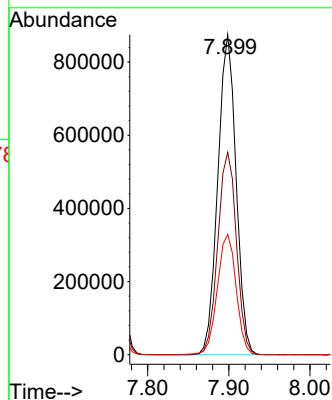
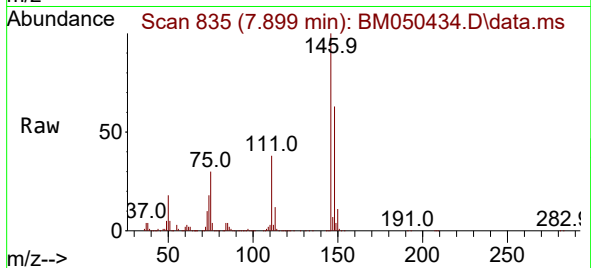




#13
1,4-Dichlorobenzene
Concen: 49.516 ng
RT: 7.899 min Scan# 811
Delta R.T. -0.006 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

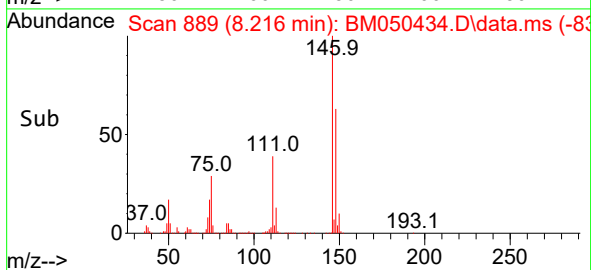
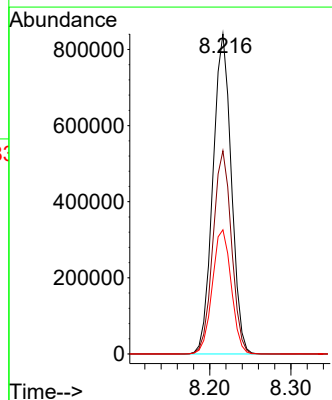
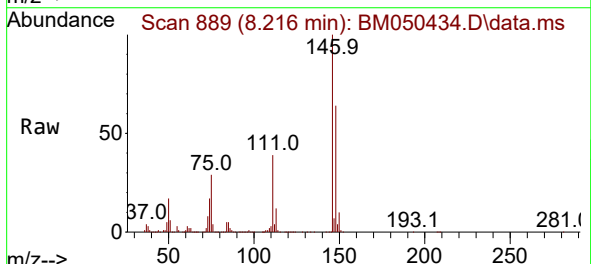
Instrument :
BNA_M
ClientSampleId :
PB168816BS

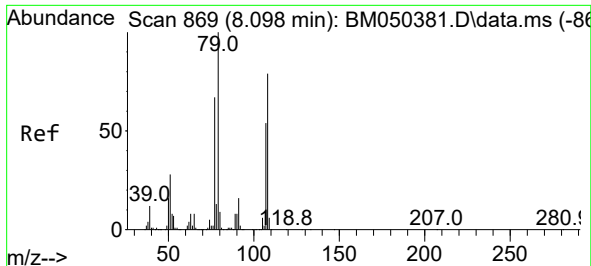
Tgt Ion:146 Resp: 1369857
Ion Ratio Lower Upper
146 100
148 63.3 51.9 77.9
111 37.6 30.0 45.0



#14
1,2-Dichlorobenzene
Concen: 50.065 ng
RT: 8.216 min Scan# 889
Delta R.T. -0.006 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

Tgt Ion:146 Resp: 1325994
Ion Ratio Lower Upper
146 100
148 63.5 51.5 77.3
111 38.8 32.6 49.0

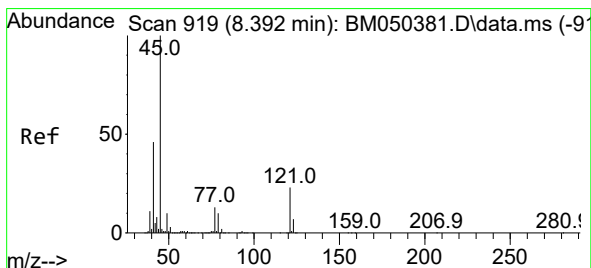
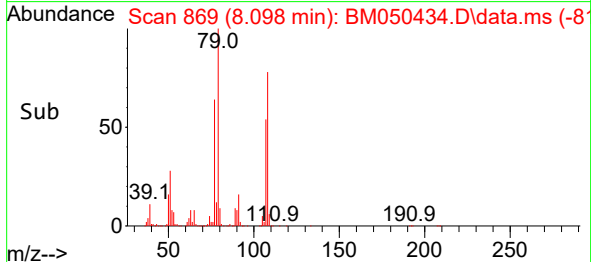
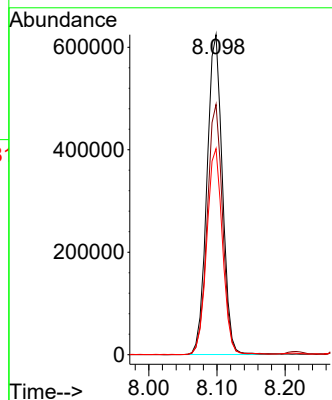
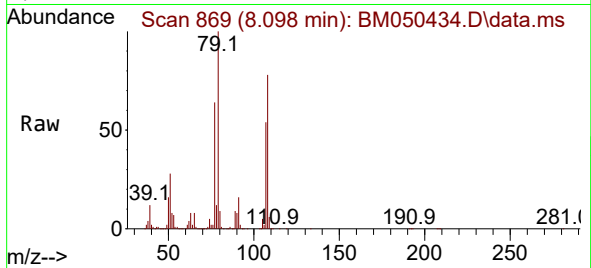




#15
Benzyl Alcohol
Concen: 52.466 ng
RT: 8.098 min Scan# 80
Delta R.T. 0.000 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

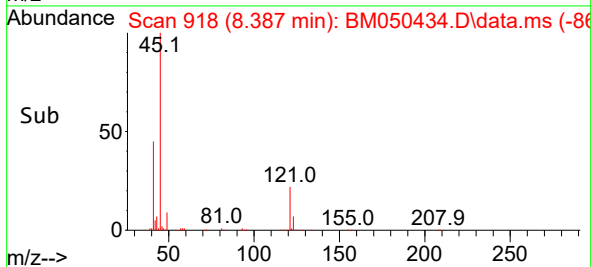
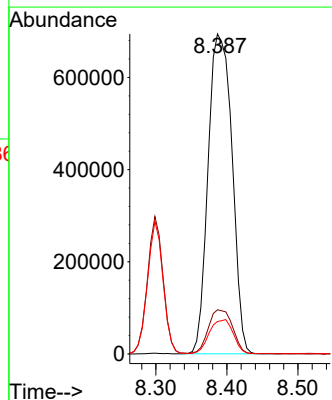
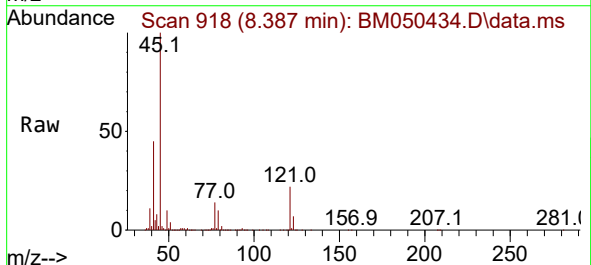
Instrument :
BNA_M
ClientSampleId :
PB168816BS

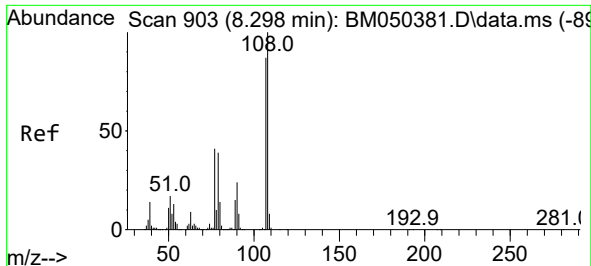
Tgt Ion: 79 Resp: 984718
Ion Ratio Lower Upper
79 100
108 78.2 63.0 94.4
77 64.4 53.4 80.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 49.551 ng
RT: 8.387 min Scan# 918
Delta R.T. -0.006 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

Tgt Ion: 45 Resp: 1623965
Ion Ratio Lower Upper
45 100
77 13.8 0.0 33.5
79 10.2 0.0 30.3

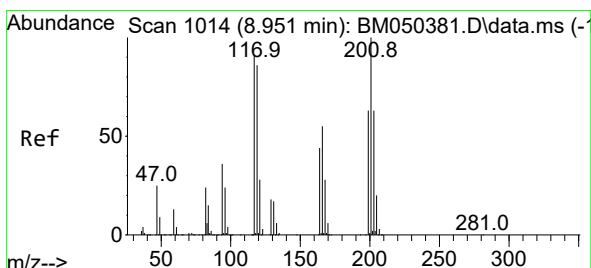
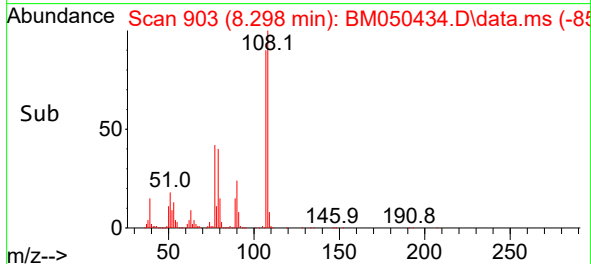
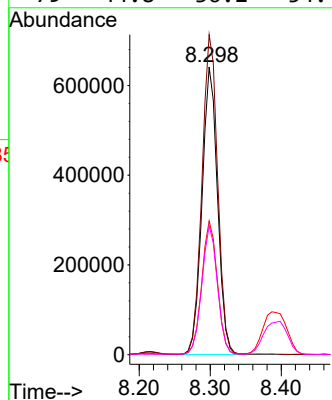
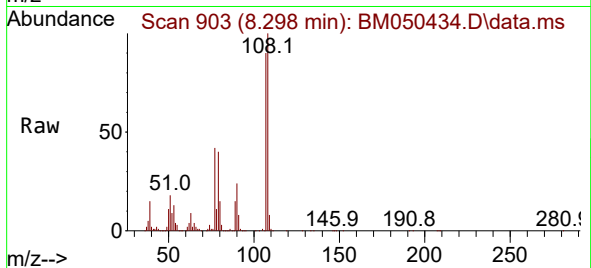




#17
2-Methylphenol
Concen: 53.917 ng
RT: 8.298 min Scan# 903
Delta R.T. 0.000 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

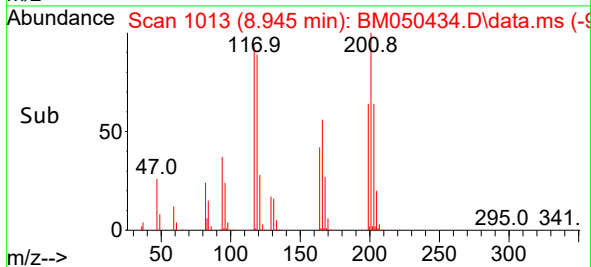
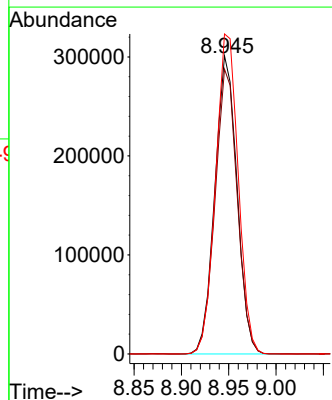
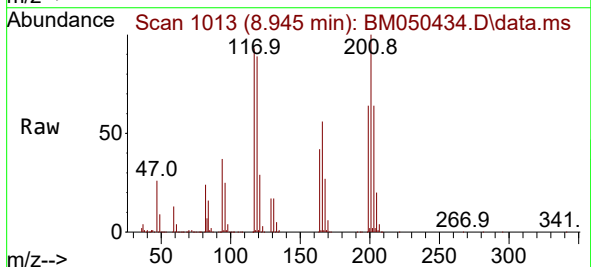
Instrument :
BNA_M
ClientSampleId :
PB168816BS

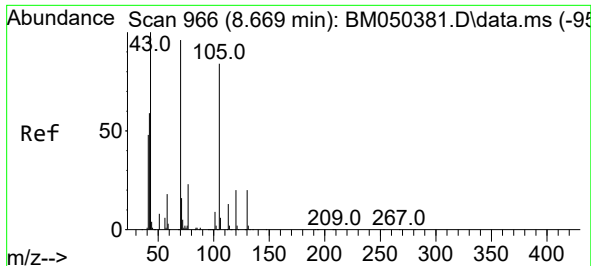
Tgt Ion:	107	Resp:	971575
Ion	Ratio	Lower	Upper
107	100		
108	111.2	92.1	138.1
77	46.5	38.2	57.4
79	44.8	36.2	54.4



#18
Hexachloroethane
Concen: 50.404 ng
RT: 8.945 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

Tgt Ion:	117	Resp:	490406
Ion	Ratio	Lower	Upper
117	100		
119	95.6	75.6	113.4
201	107.4	87.9	131.9

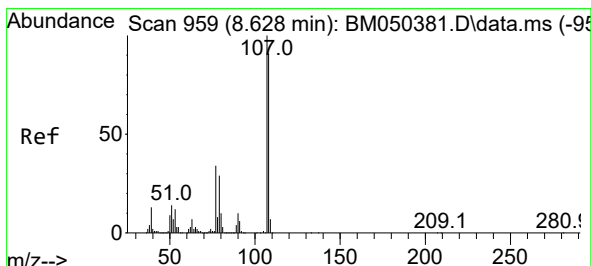
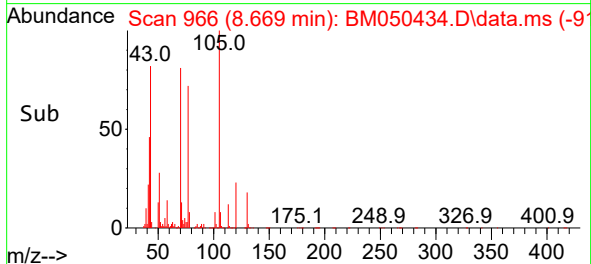
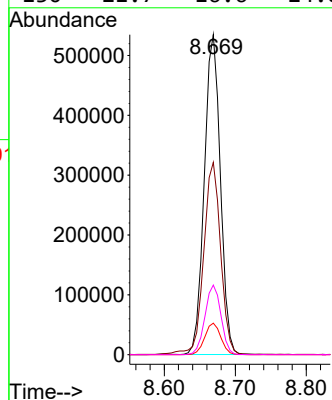
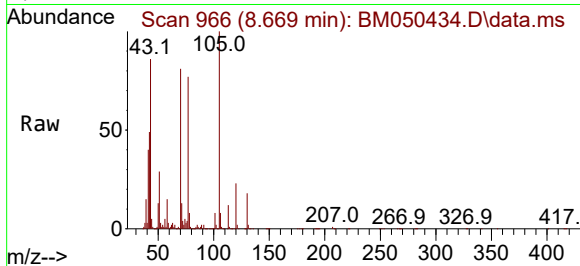




#19
n-Nitroso-di-n-propylamine
Concen: 52.221 ng
RT: 8.669 min Scan# 966
Delta R.T. 0.000 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

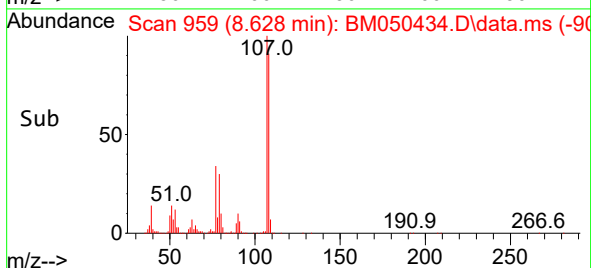
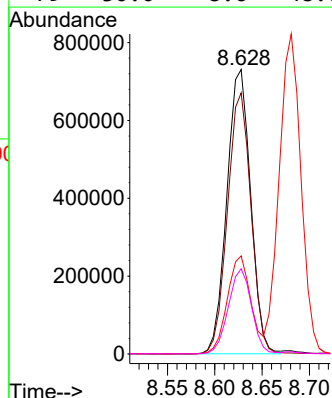
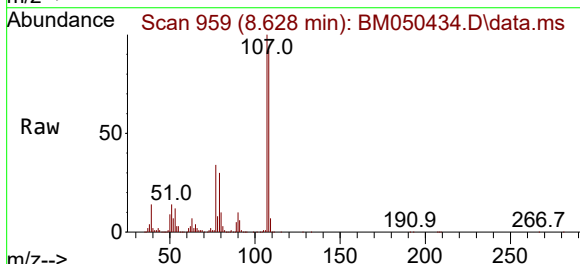
Instrument :
BNA_M
ClientSampleId :
PB168816BS

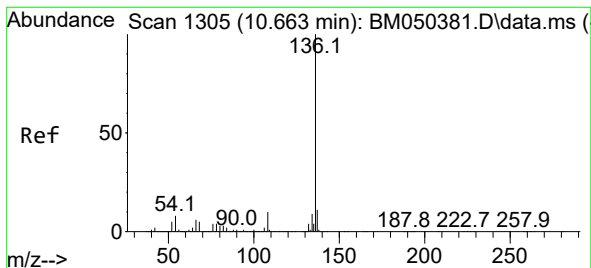
Tgt Ion: 70 Resp: 842689
Ion Ratio Lower Upper
70 100
42 60.1 49.7 74.5
101 9.9 7.7 11.5
130 21.7 16.6 24.8



#20
3+4-Methylphenols
Concen: 52.731 ng
RT: 8.628 min Scan# 959
Delta R.T. 0.000 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

Tgt Ion: 107 Resp: 1275572
Ion Ratio Lower Upper
107 100
108 91.8 71.5 111.5
77 34.5 13.7 53.7
79 30.0 8.6 48.6

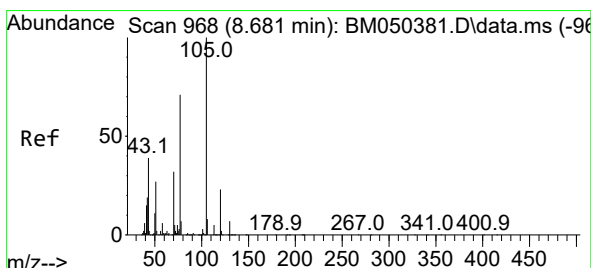
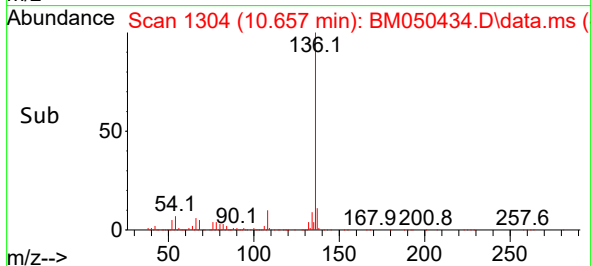
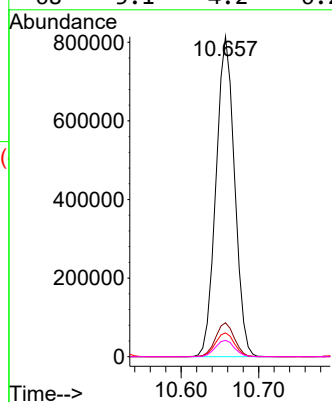
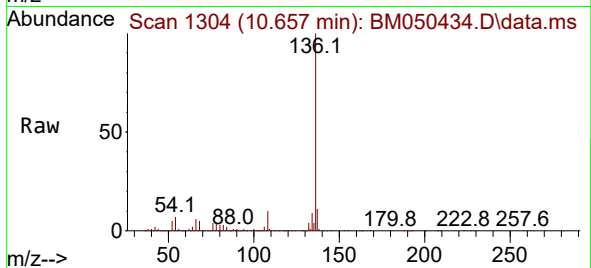




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.657 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

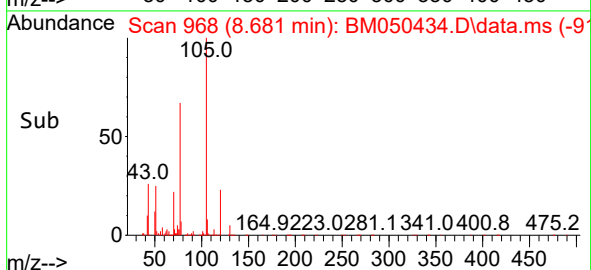
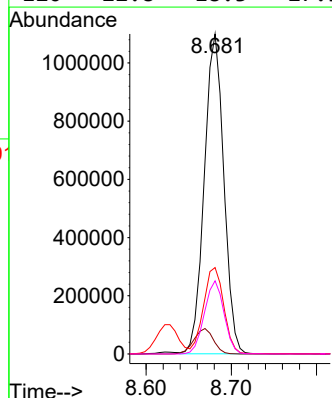
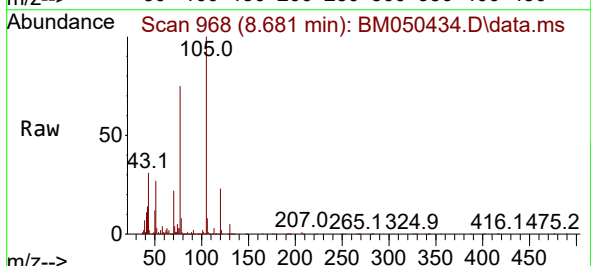
Instrument :
BNA_M
ClientSampleId :
PB168816BS

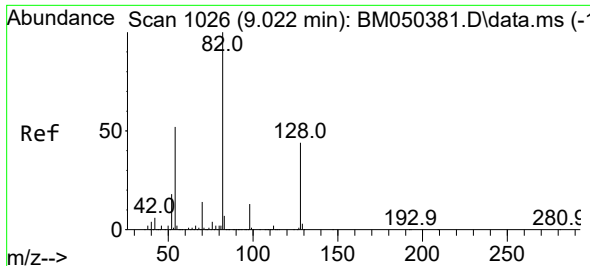
Tgt Ion:136 Resp: 1355774
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 7.5 6.3 9.5
68 5.1 4.2 6.2



#22
Acetophenone
Concen: 51.633 ng
RT: 8.681 min Scan# 968
Delta R.T. 0.000 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

Tgt Ion:105 Resp: 1750256
Ion Ratio Lower Upper
105 100
71 3.5 4.4 6.6#
51 27.0 23.0 34.6
120 22.8 18.3 27.5

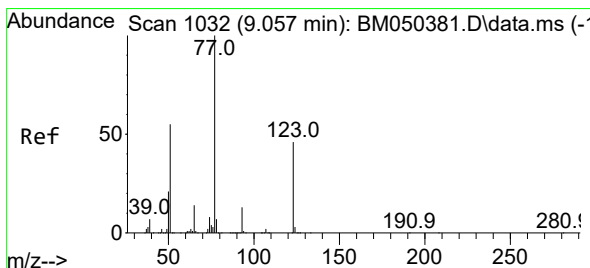
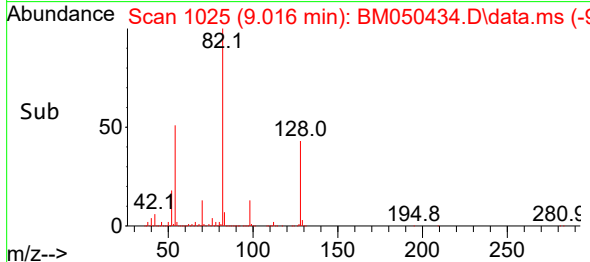
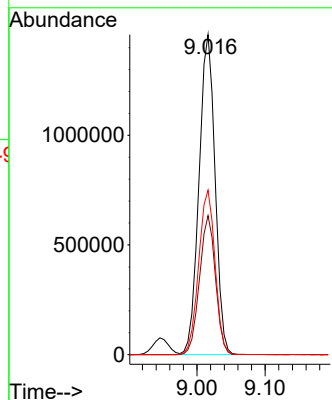
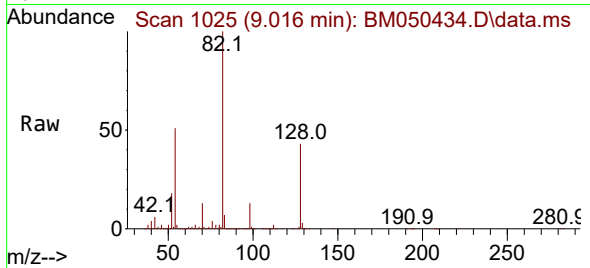




#23
Nitrobenzene-d5
Concen: 89.539 ng
RT: 9.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

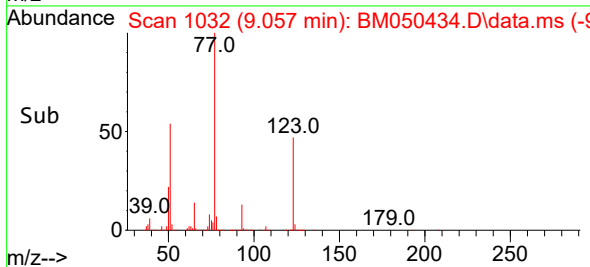
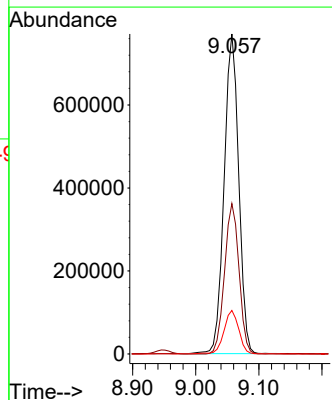
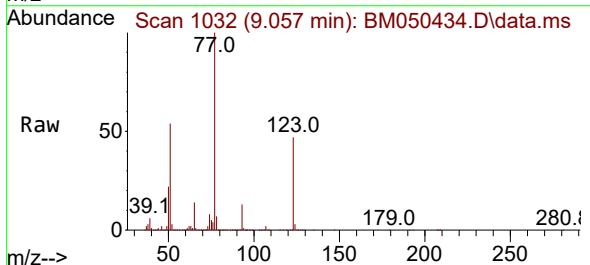
Instrument :
BNA_M
ClientSampleId :
PB168816BS

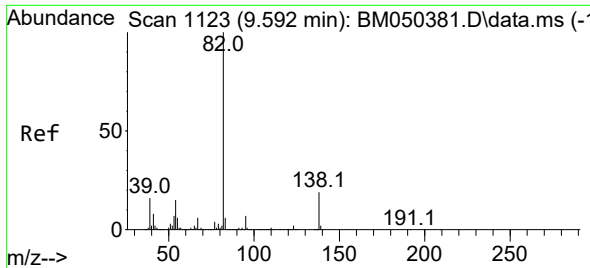
Tgt Ion: 82 Resp: 2379432
Ion Ratio Lower Upper
82 100
128 43.5 35.2 52.8
54 51.4 41.5 62.3



#24
Nitrobenzene
Concen: 52.130 ng
RT: 9.057 min Scan# 1032
Delta R.T. 0.000 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

Tgt Ion: 77 Resp: 1236205
Ion Ratio Lower Upper
77 100
123 47.0 37.0 55.6
65 13.6 11.0 16.4

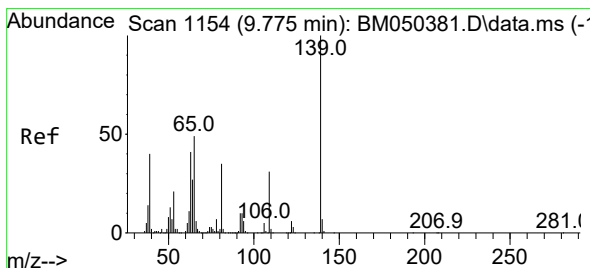
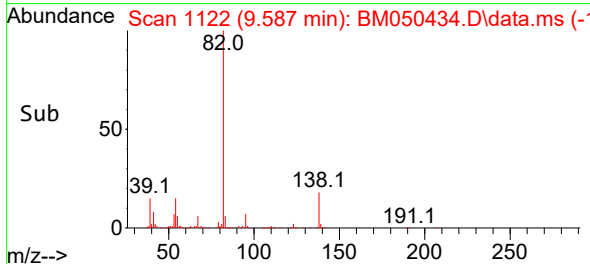
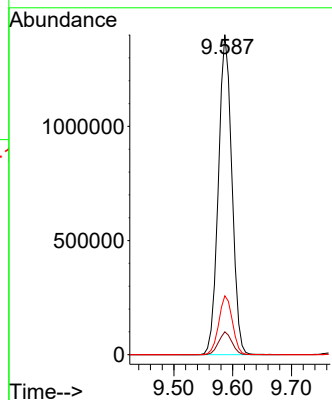
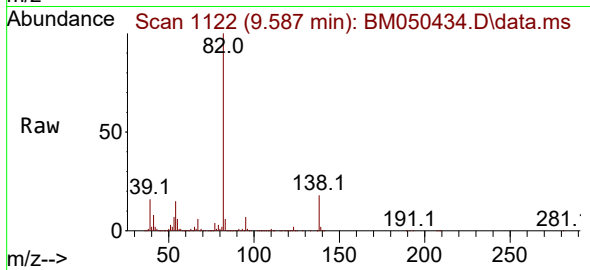




#25
Isophorone
Concen: 51.898 ng
RT: 9.587 min Scan# 1122
Delta R.T. -0.006 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

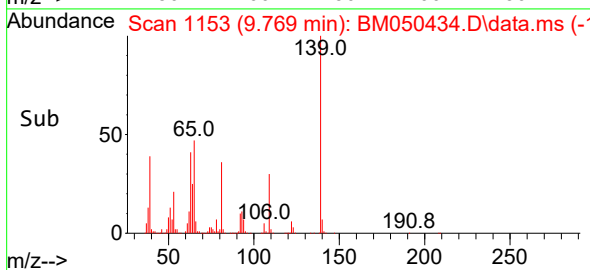
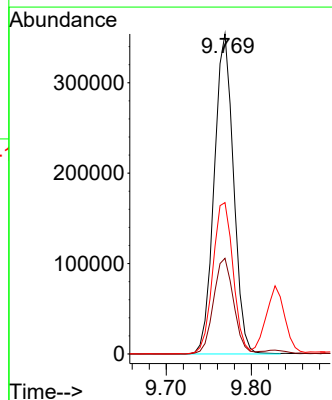
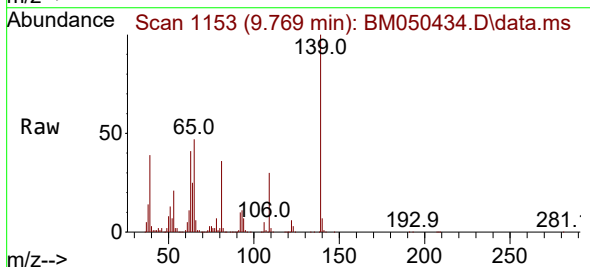
Instrument :
BNA_M
ClientSampleId :
PB168816BS

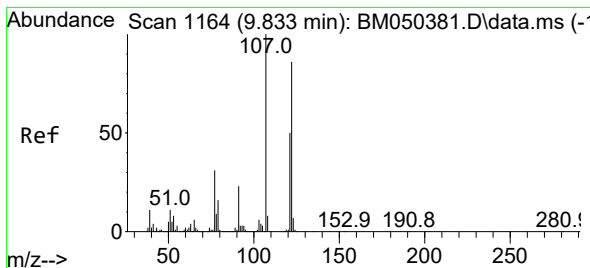
Tgt Ion: 82 Resp: 2237912
Ion Ratio Lower Upper
82 100
95 7.2 5.6 8.4
138 18.4 15.3 22.9



#26
2-Nitrophenol
Concen: 57.706 ng
RT: 9.769 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

Tgt Ion: 139 Resp: 557713
Ion Ratio Lower Upper
139 100
109 29.9 24.6 36.8
65 47.3 39.2 58.8





#27

2,4-Dimethylphenol

Concen: 53.383 ng

RT: 9.828 min Scan# 1163

Delta R.T. -0.006 min

Lab File: BM050434.D

Acq: 14 Jul 2025 20:14

Instrument :

BNA_M

ClientSampleId :

PB168816BS

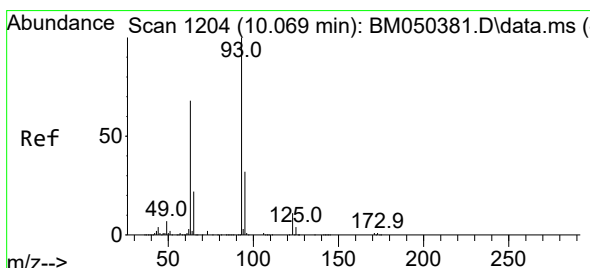
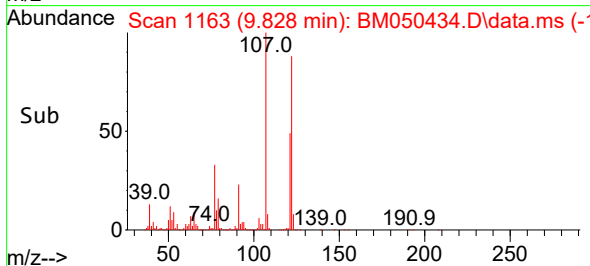
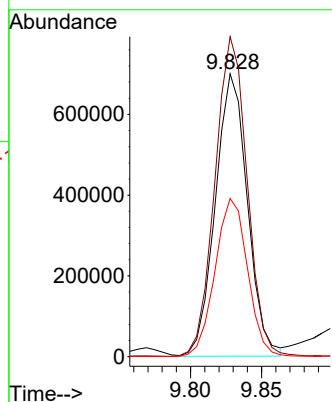
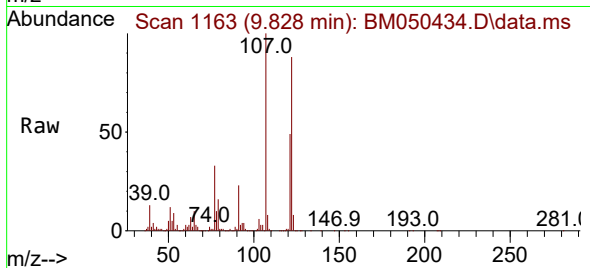
Tgt Ion:122 Resp: 1097855

Ion Ratio Lower Upper

122 100

107 113.1 93.0 139.6

121 55.9 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 51.450 ng

RT: 10.063 min Scan# 1203

Delta R.T. -0.006 min

Lab File: BM050434.D

Acq: 14 Jul 2025 20:14

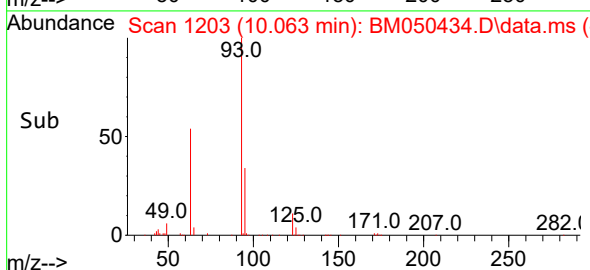
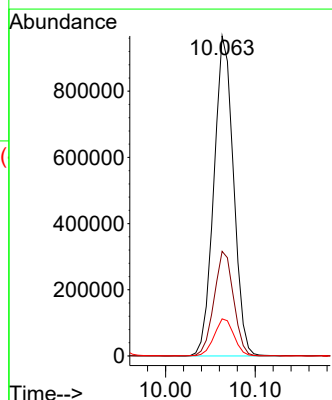
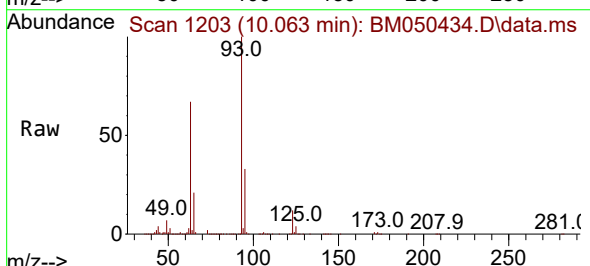
Tgt Ion: 93 Resp: 1470114

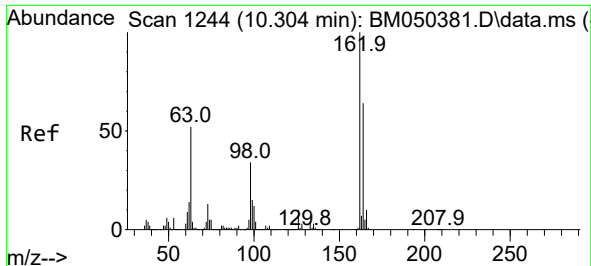
Ion Ratio Lower Upper

93 100

95 32.7 25.8 38.6

123 11.6 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 54.839 ng

RT: 10.304 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM050434.D

Acq: 14 Jul 2025 20:14

Instrument :

BNA_M

ClientSampleId :

PB168816BS

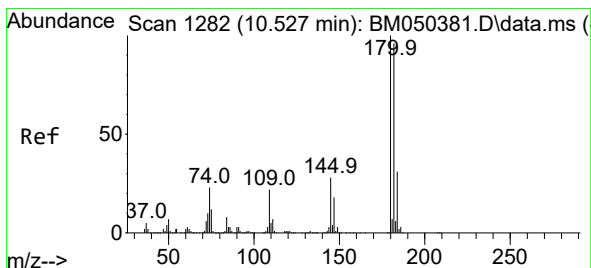
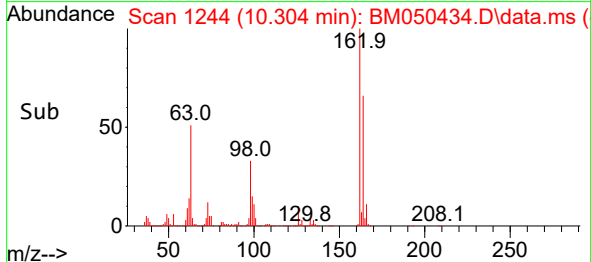
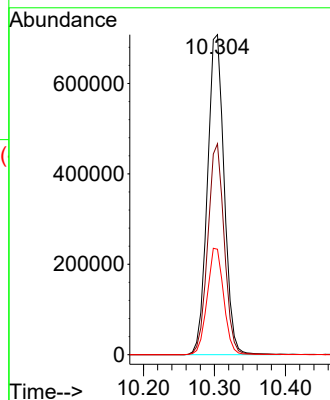
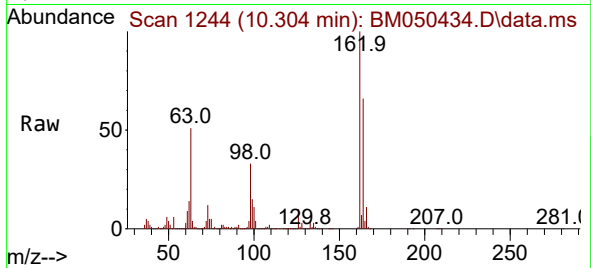
Tgt Ion:162 Resp: 1158666

Ion Ratio Lower Upper

162 100

164 65.9 43.7 83.7

98 33.0 13.7 53.7



#30

1,2,4-Trichlorobenzene

Concen: 50.901 ng

RT: 10.522 min Scan# 1281

Delta R.T. -0.006 min

Lab File: BM050434.D

Acq: 14 Jul 2025 20:14

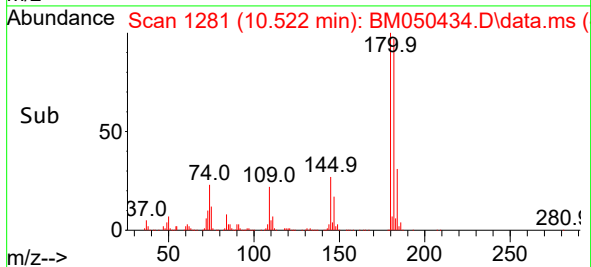
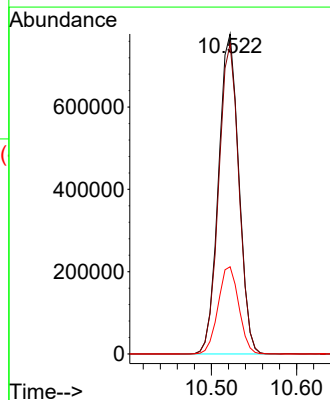
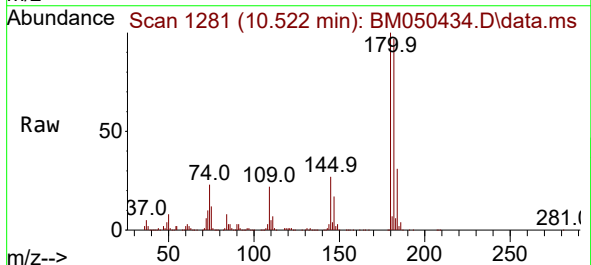
Tgt Ion:180 Resp: 1286539

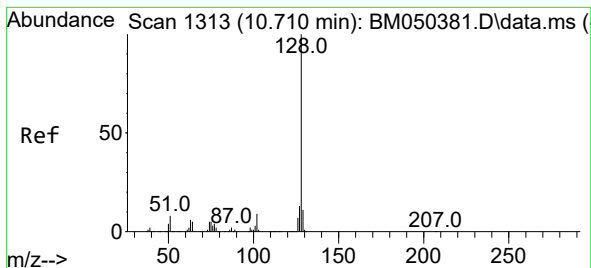
Ion Ratio Lower Upper

180 100

182 96.9 76.8 115.2

145 27.3 22.6 33.8

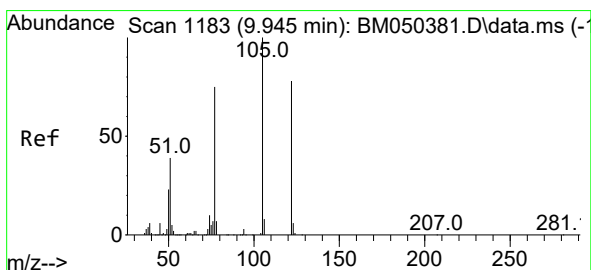
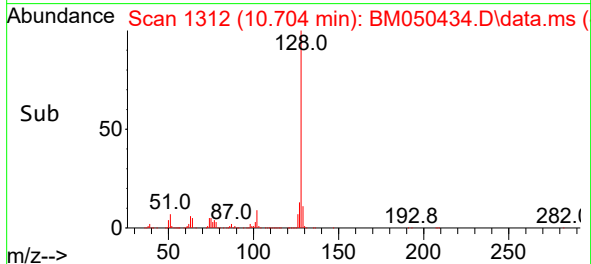
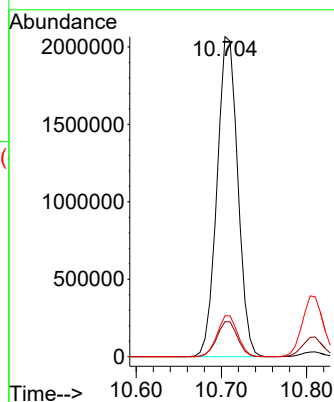
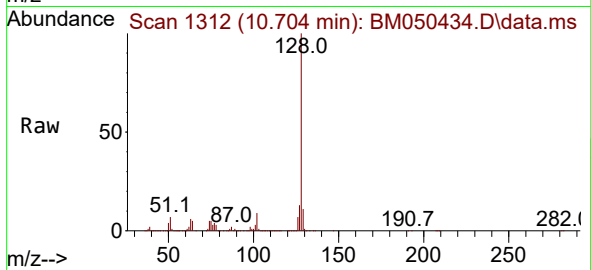




#31
Naphthalene
Concen: 50.768 ng
RT: 10.704 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

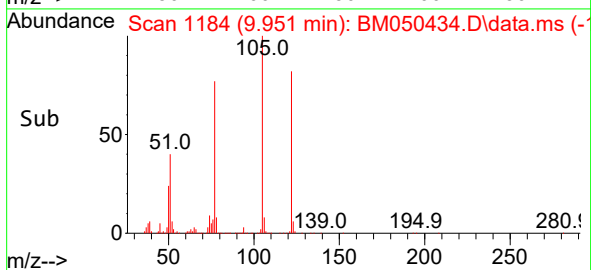
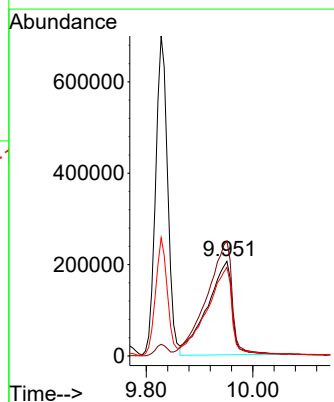
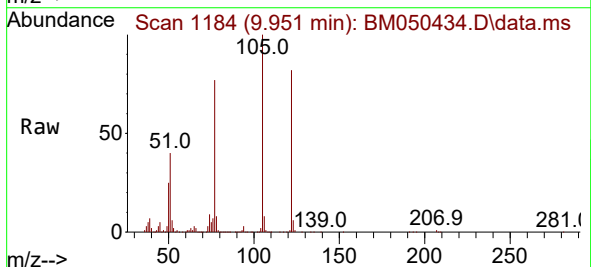
Instrument :
BNA_M
ClientSampleId :
PB168816BS

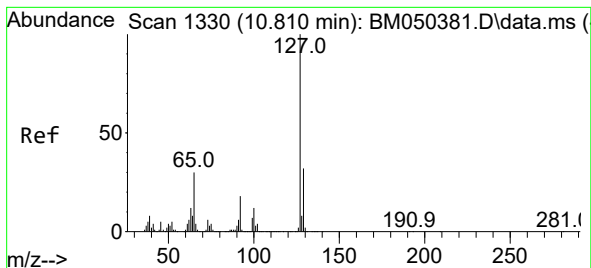
Tgt Ion:128 Resp: 3496079
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 12.8 10.4 15.6



#32
Benzoic acid
Concen: 52.224 ng
RT: 9.951 min Scan# 1184
Delta R.T. 0.006 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

Tgt Ion:122 Resp: 666825
Ion Ratio Lower Upper
122 100
105 121.5 104.0 144.0
77 93.7 73.8 113.8





#33

4-Chloroaniline

Concen: 23.293 ng

RT: 10.804 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM050434.D

Acq: 14 Jul 2025 20:14

Instrument :

BNA_M

ClientSampleId :

PB168816BS

Tgt Ion:127 Resp: 678119

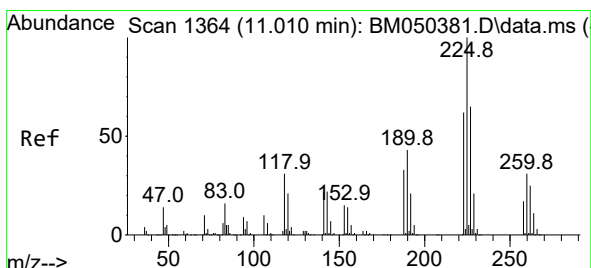
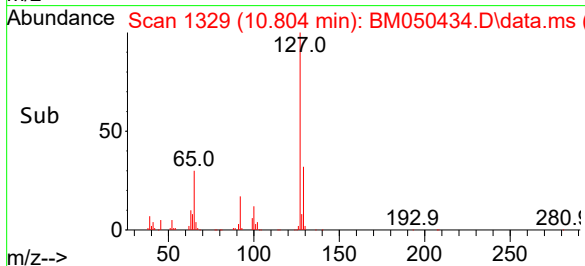
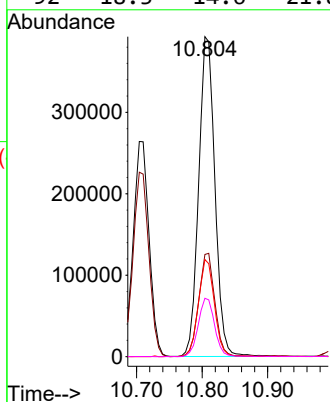
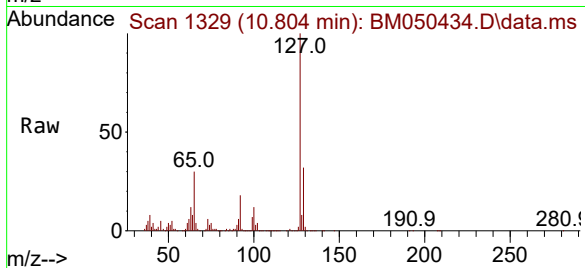
Ion Ratio Lower Upper

127 100

129 32.0 25.5 38.3

65 30.4 23.9 35.9

92 18.3 14.6 21.8



#34

Hexachlorobutadiene

Concen: 50.909 ng

RT: 11.004 min Scan# 1363

Delta R.T. -0.006 min

Lab File: BM050434.D

Acq: 14 Jul 2025 20:14

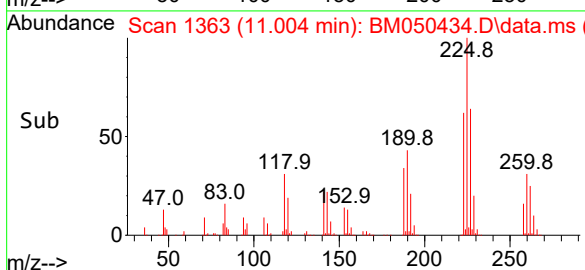
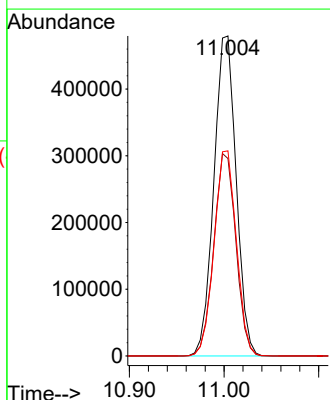
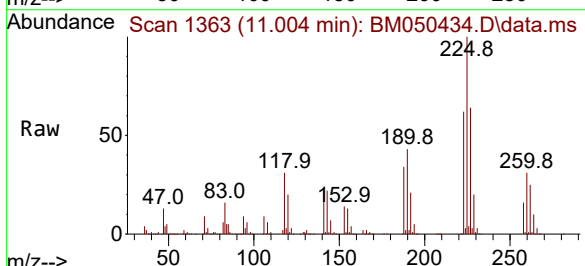
Tgt Ion:225 Resp: 785353

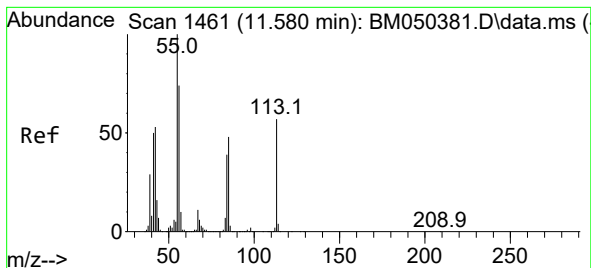
Ion Ratio Lower Upper

225 100

223 61.7 49.7 74.5

227 64.1 52.1 78.1

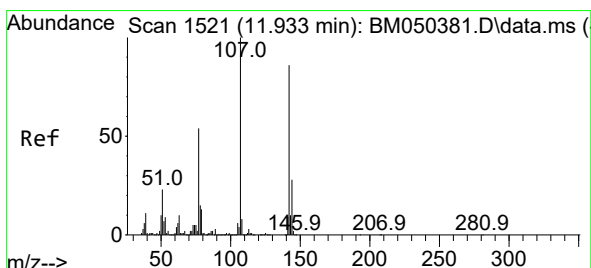
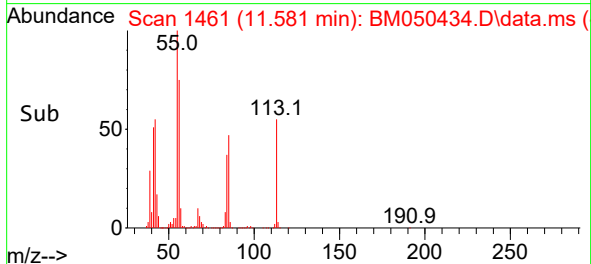
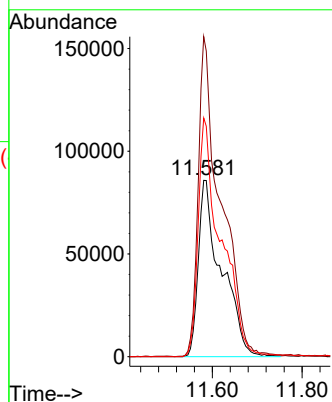
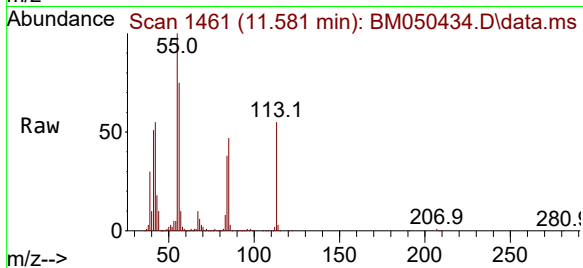




#35
Caprolactam
Concen: 53.298 ng
RT: 11.581 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

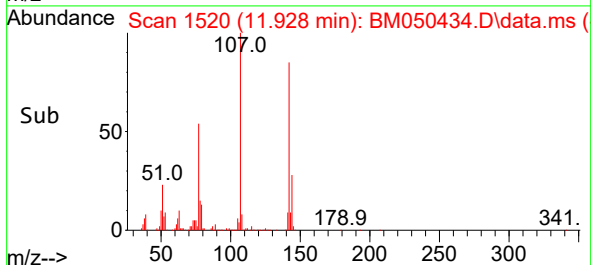
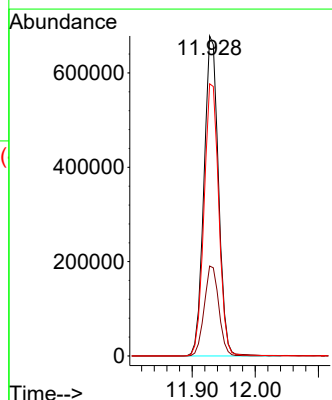
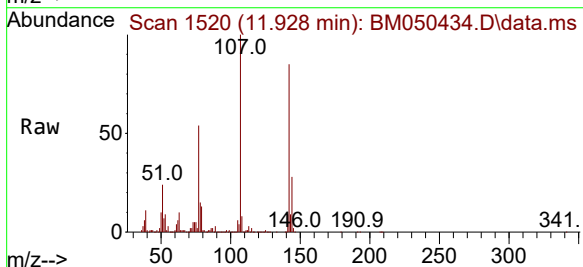
Instrument :
BNA_M
ClientSampleId :
PB168816BS

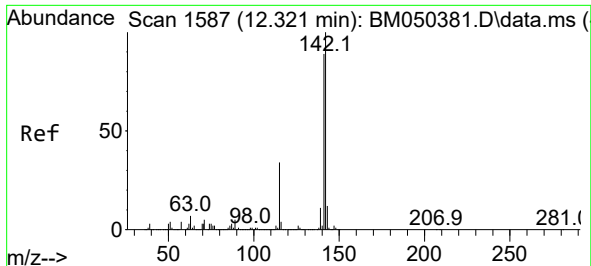
Tgt Ion:113 Resp: 307412
Ion Ratio Lower Upper
113 100
55 181.4 157.2 197.2
56 135.4 111.7 151.7



#36
4-Chloro-3-methylphenol
Concen: 54.883 ng
RT: 11.928 min Scan# 1520
Delta R.T. -0.006 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

Tgt Ion:107 Resp: 1082852
Ion Ratio Lower Upper
107 100
144 28.1 22.2 33.4
142 85.0 68.7 103.1





#37

2-Methylnaphthalene

Concen: 52.236 ng

RT: 12.316 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM050434.D

Acq: 14 Jul 2025 20:14

Instrument :

BNA_M

ClientSampleId :

PB168816BS

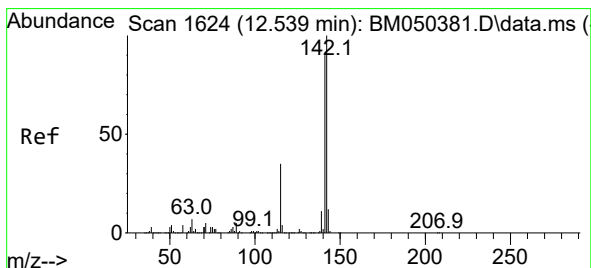
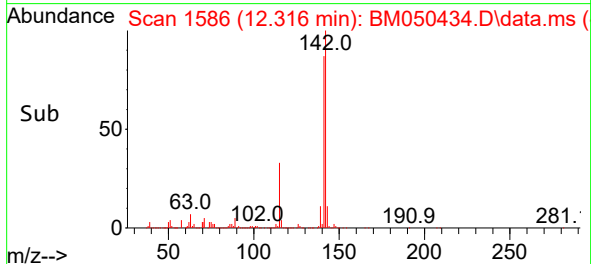
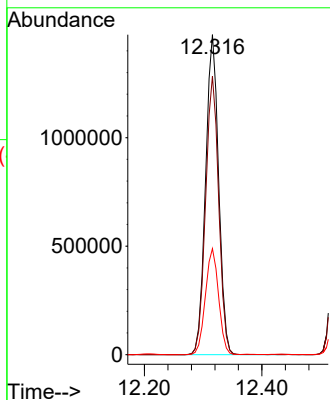
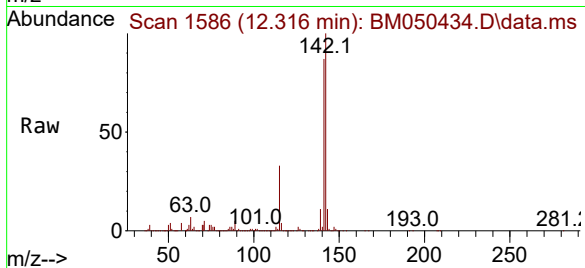
Tgt Ion:142 Resp: 2271242

Ion Ratio Lower Upper

142 100

141 87.0 70.8 106.2

115 33.2 27.0 40.4



#38

1-Methylnaphthalene

Concen: 51.865 ng

RT: 12.533 min Scan# 1623

Delta R.T. -0.006 min

Lab File: BM050434.D

Acq: 14 Jul 2025 20:14

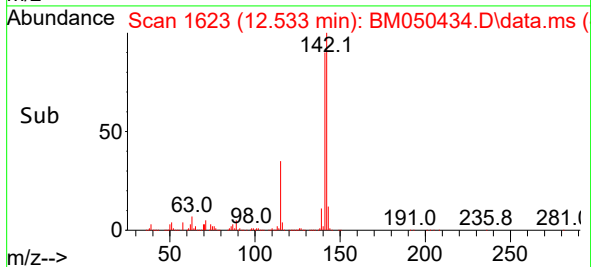
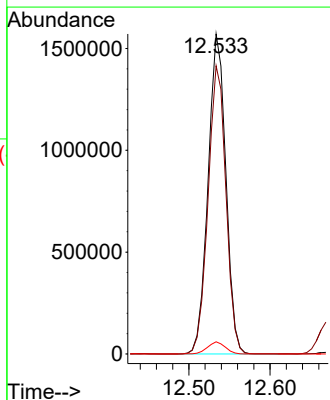
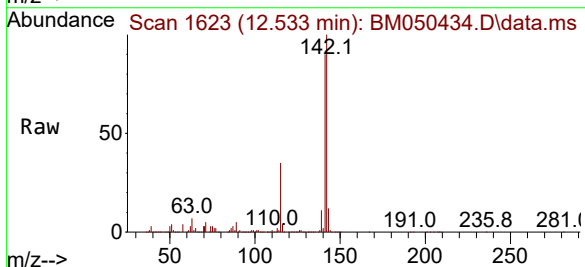
Tgt Ion:142 Resp: 2386598

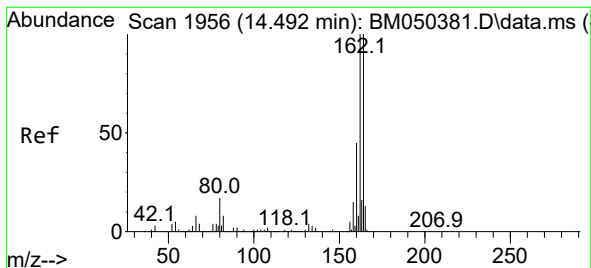
Ion Ratio Lower Upper

142 100

141 90.1 71.9 107.9

116 3.8 3.0 4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.486 min Scan# 14

Delta R.T. -0.006 min

Lab File: BM050434.D

Acq: 14 Jul 2025 20:14

Instrument :

BNA_M

ClientSampleId :

PB168816BS

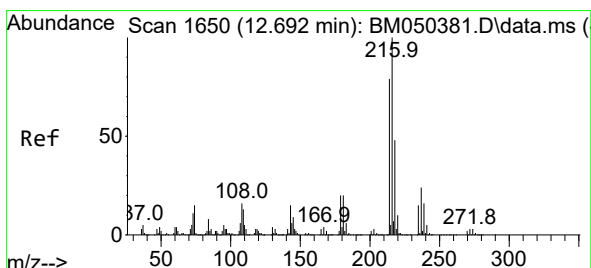
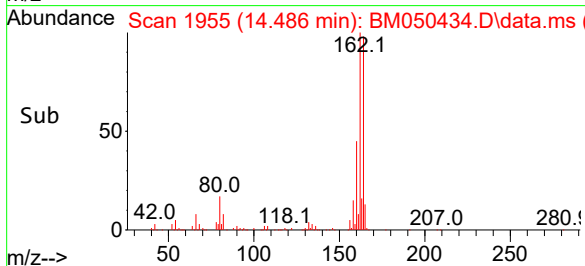
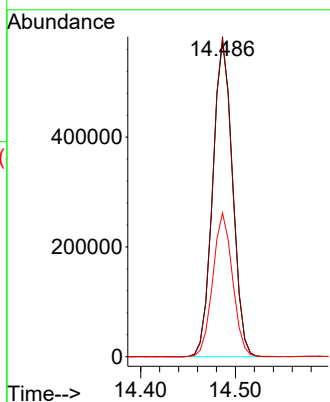
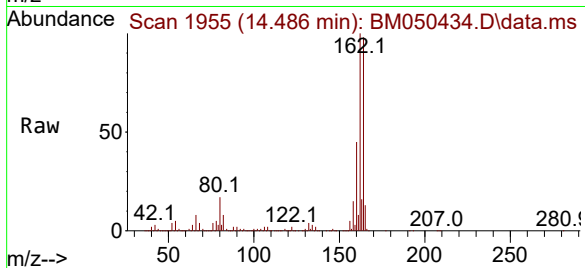
Tgt Ion:164 Resp: 836315

Ion Ratio Lower Upper

164 100

162 101.6 79.9 119.9

160 45.6 36.2 54.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 55.469 ng

RT: 12.686 min Scan# 1649

Delta R.T. -0.006 min

Lab File: BM050434.D

Acq: 14 Jul 2025 20:14

Tgt Ion:216 Resp: 1475238

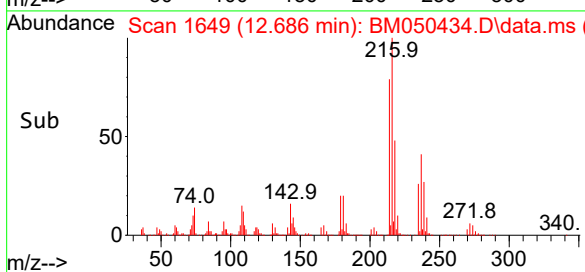
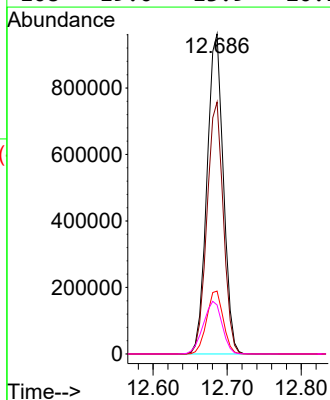
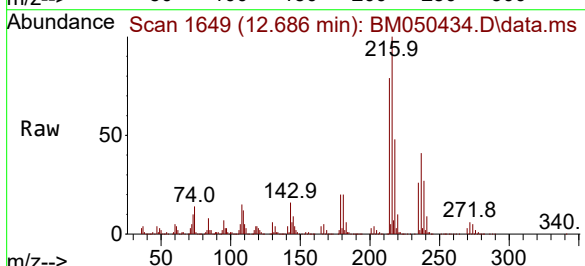
Ion Ratio Lower Upper

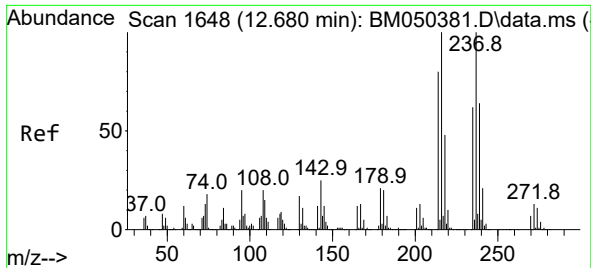
216 100

214 78.5 63.3 94.9

179 20.0 16.4 24.6

108 19.0 13.9 20.9

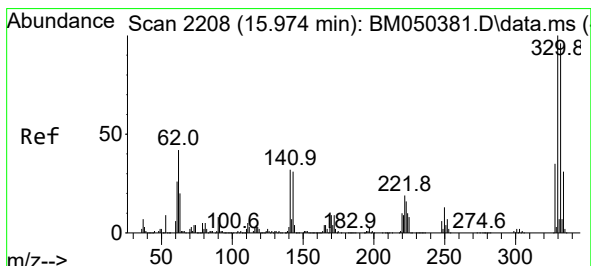
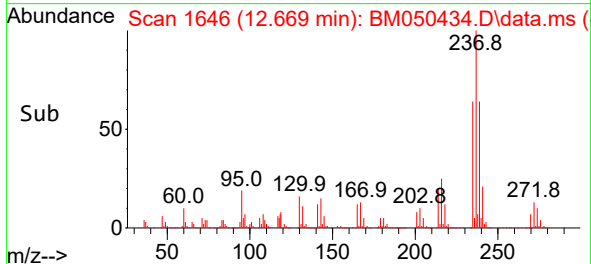
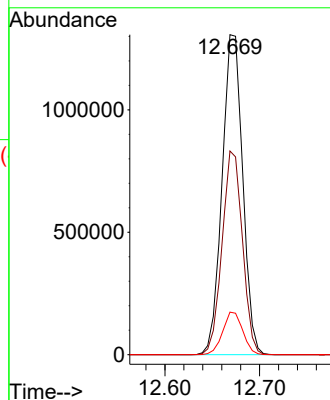
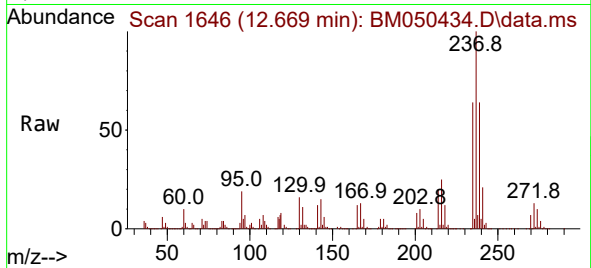




#41
Hexachlorocyclopentadiene
Concen: 116.411 ng
RT: 12.669 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

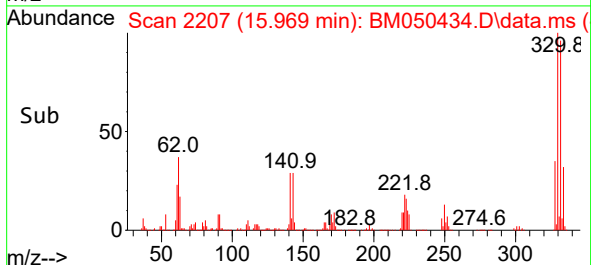
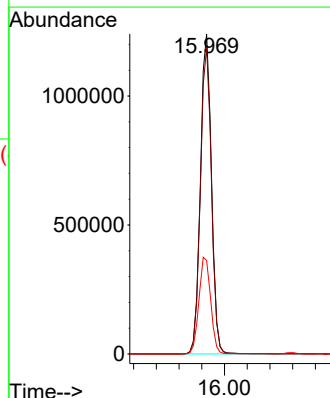
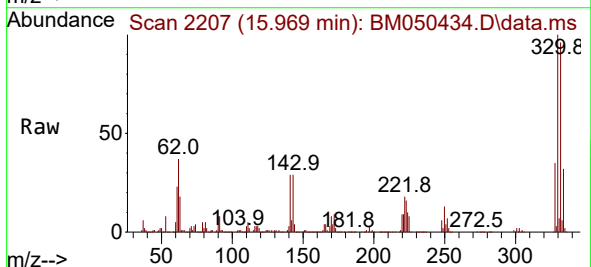
Instrument :
BNA_M
ClientSampleId :
PB168816BS

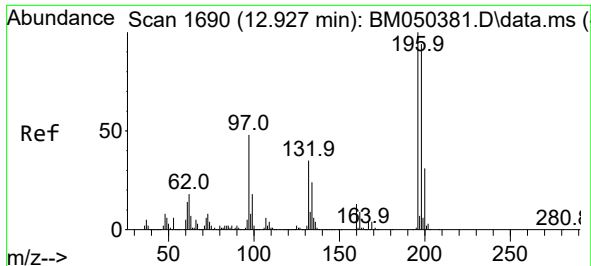
Tgt Ion:237 Resp: 1979022
Ion Ratio Lower Upper
237 100
235 63.6 42.3 82.3
272 13.3 0.0 33.0



#42
2,4,6-Tribromophenol
Concen: 165.102 ng
RT: 15.969 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

Tgt Ion:330 Resp: 1677653
Ion Ratio Lower Upper
330 100
332 95.8 76.9 115.3
141 32.4 27.4 41.0

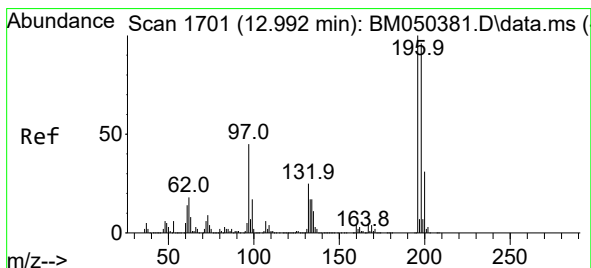
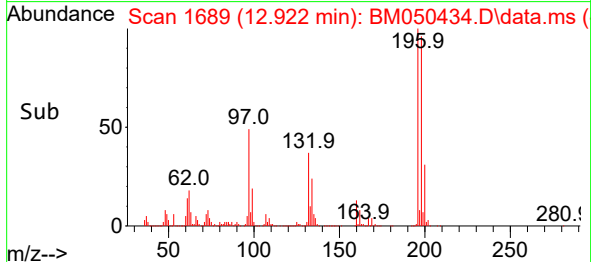
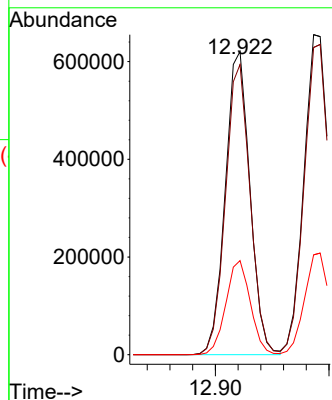
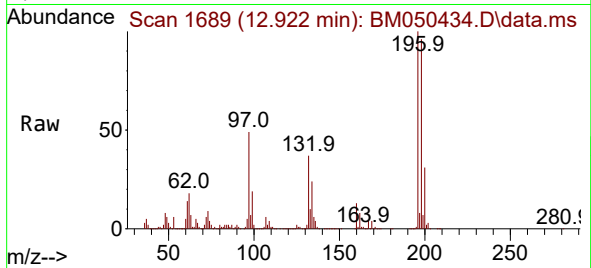




#43
2,4,6-Trichlorophenol
Concen: 57.157 ng
RT: 12.922 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

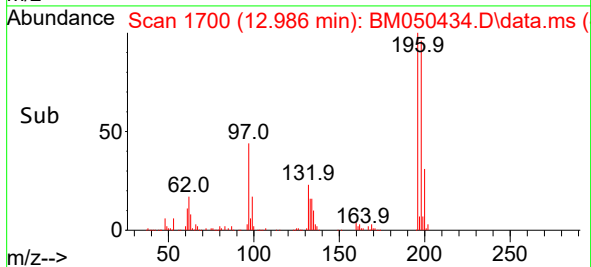
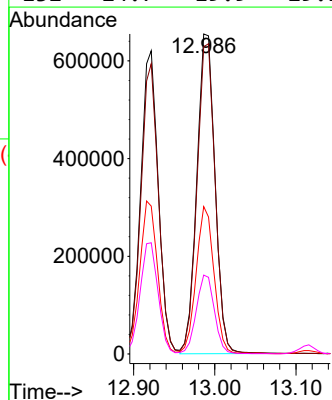
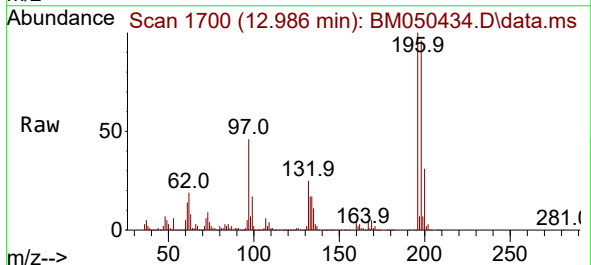
Instrument :
BNA_M
ClientSampleId :
PB168816BS

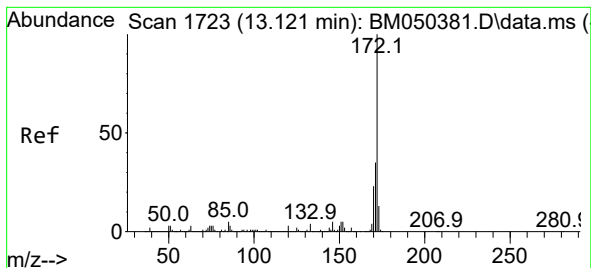
Tgt Ion:196 Resp: 935699
Ion Ratio Lower Upper
196 100
198 95.7 75.1 112.7
200 31.0 24.6 37.0



#44
2,4,5-Trichlorophenol
Concen: 57.121 ng
RT: 12.986 min Scan# 1700
Delta R.T. -0.006 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

Tgt Ion:196 Resp: 1021261
Ion Ratio Lower Upper
196 100
198 96.0 77.2 115.8
97 46.1 36.2 54.4
132 24.7 19.9 29.9





#45

2-Fluorobiphenyl

Concen: 89.480 ng

RT: 13.116 min Scan# 1722

Delta R.T. -0.006 min

Lab File: BM050434.D

Acq: 14 Jul 2025 20:14

Instrument :

BNA_M

ClientSampleId :

PB168816BS

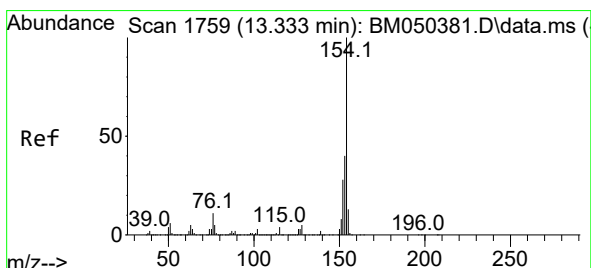
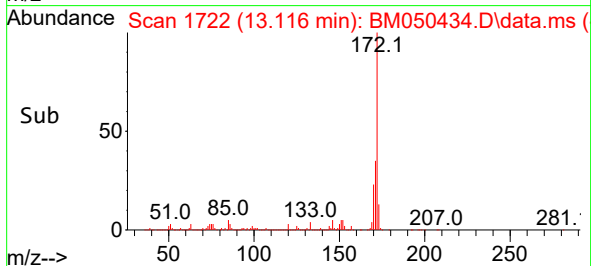
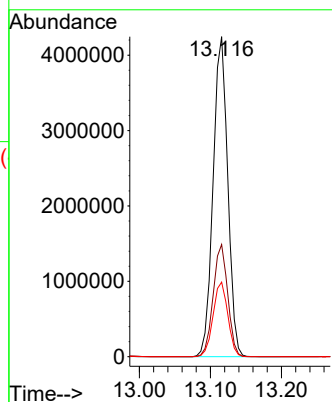
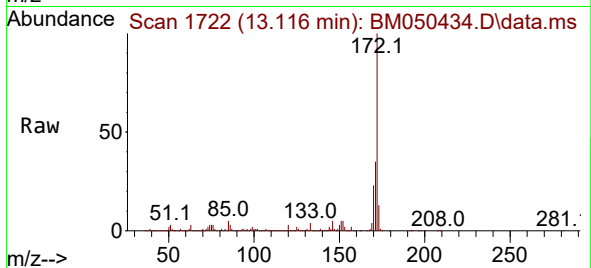
Tgt Ion:172 Resp: 6059707

Ion Ratio Lower Upper

172 100

171 35.1 27.7 41.5

170 23.3 18.8 28.2



#46

1,1'-Biphenyl

Concen: 53.268 ng

RT: 13.322 min Scan# 1757

Delta R.T. -0.012 min

Lab File: BM050434.D

Acq: 14 Jul 2025 20:14

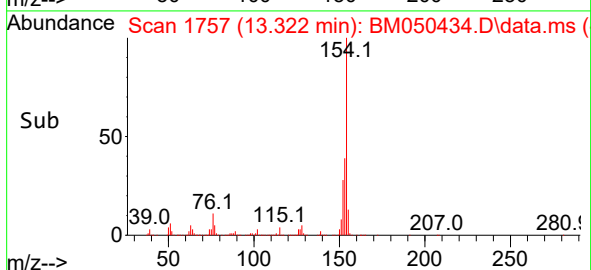
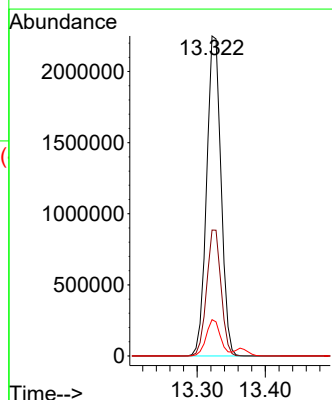
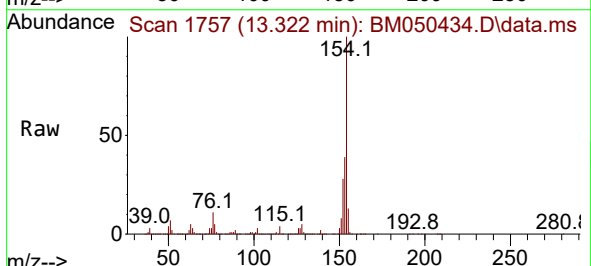
Tgt Ion:154 Resp: 3305236

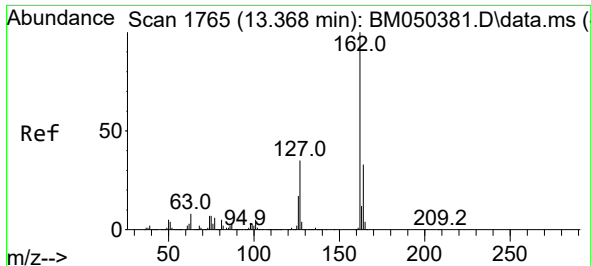
Ion Ratio Lower Upper

154 100

153 39.4 19.7 59.7

76 11.3 0.0 30.9

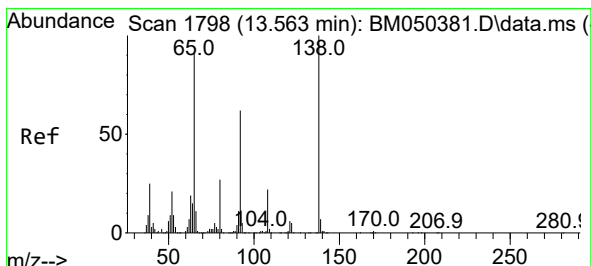
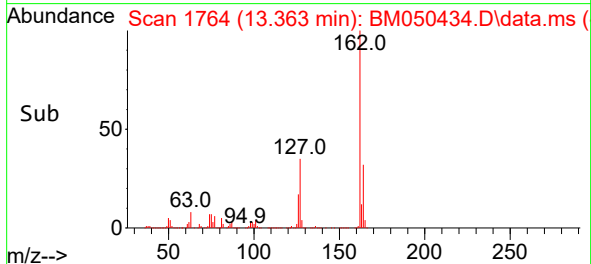
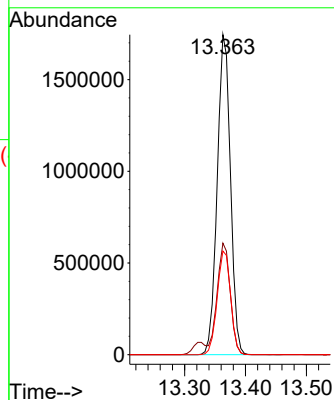
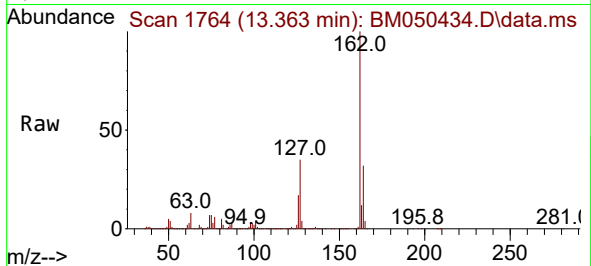




#47
2-Chloronaphthalene
Concen: 53.046 ng
RT: 13.363 min Scan# 1764
Delta R.T. -0.006 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

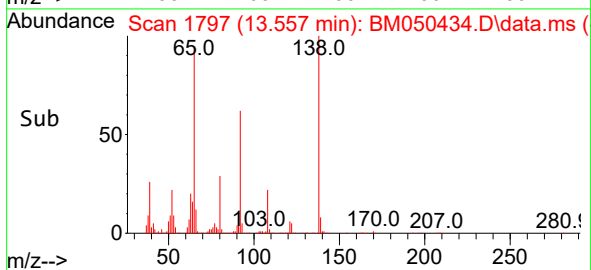
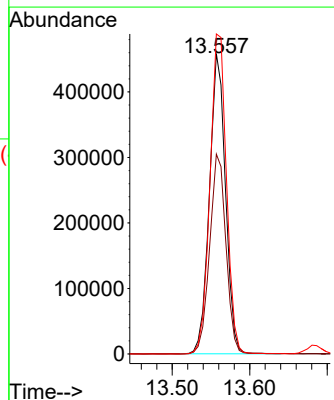
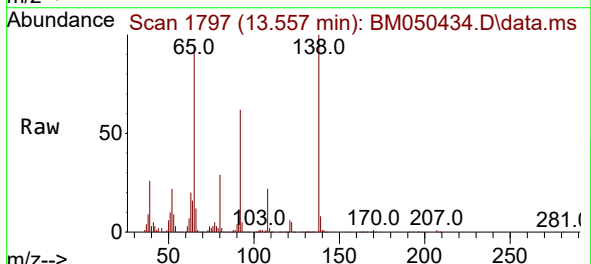
Instrument :
BNA_M
ClientSampleId :
PB168816BS

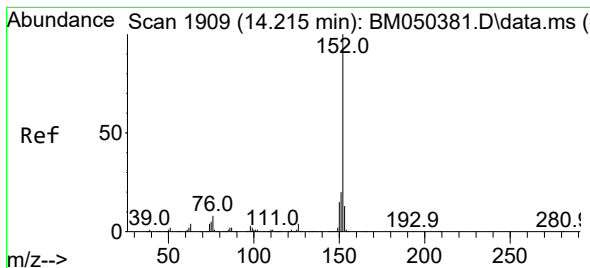
Tgt Ion:162 Resp: 2624299
Ion Ratio Lower Upper
162 100
127 34.8 28.3 42.5
164 32.4 26.6 40.0



#48
2-Nitroaniline
Concen: 59.687 ng
RT: 13.557 min Scan# 1797
Delta R.T. -0.006 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

Tgt Ion: 65 Resp: 659109
Ion Ratio Lower Upper
65 100
92 66.6 54.3 81.5
138 106.6 87.8 131.6





#49

Acenaphthylene

Concen: 54.253 ng

RT: 14.210 min Scan# 1909

Delta R.T. -0.006 min

Lab File: BM050434.D

Acq: 14 Jul 2025 20:14

Instrument :

BNA_M

ClientSampleId :

PB168816BS

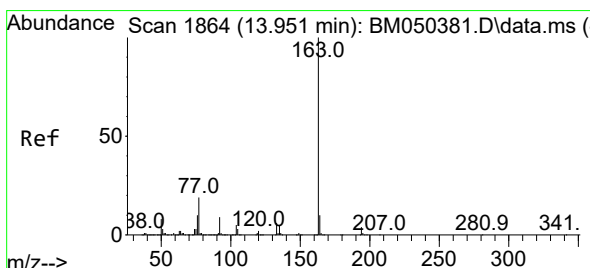
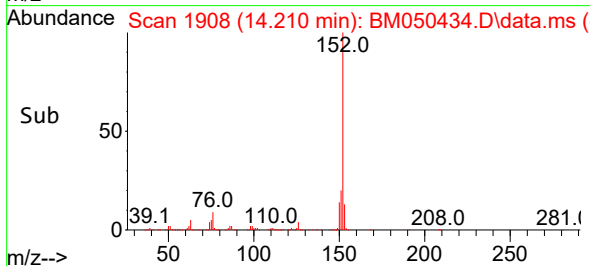
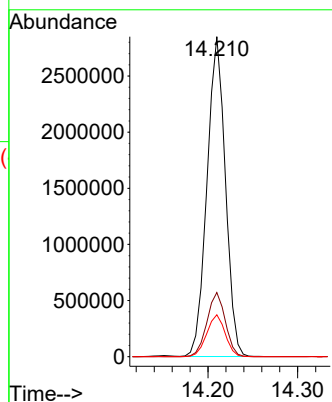
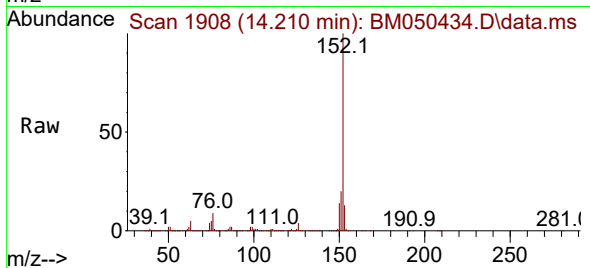
Tgt Ion:152 Resp: 4056336

Ion Ratio Lower Upper

152 100

151 20.0 16.3 24.5

153 13.1 10.6 15.8



#50

Dimethylphthalate

Concen: 53.800 ng

RT: 13.945 min Scan# 1863

Delta R.T. -0.006 min

Lab File: BM050434.D

Acq: 14 Jul 2025 20:14

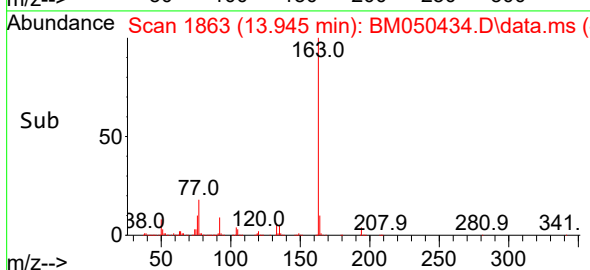
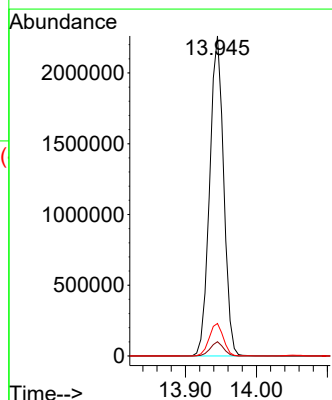
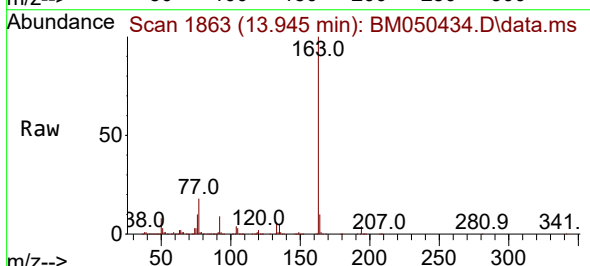
Tgt Ion:163 Resp: 3097732

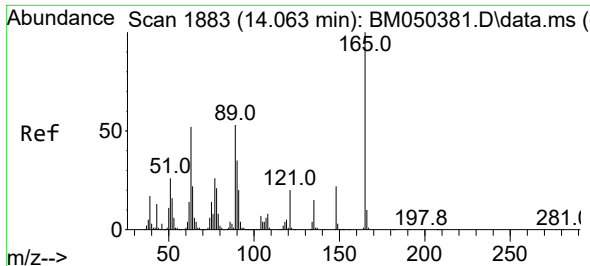
Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

164 10.2 8.2 12.2

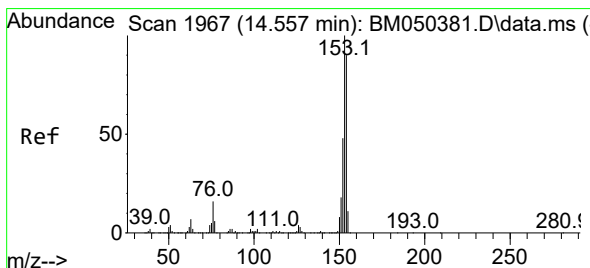
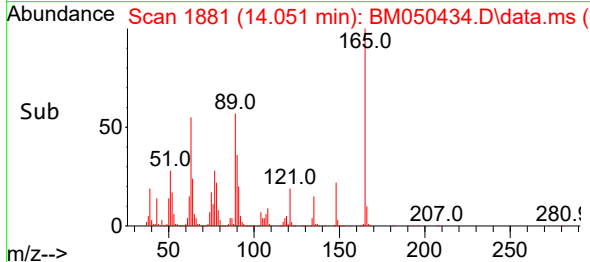
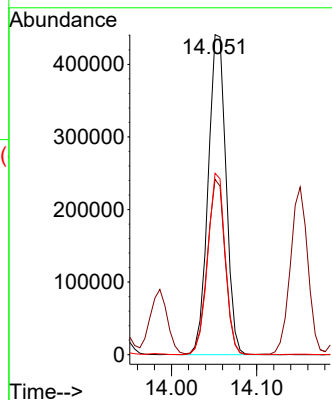
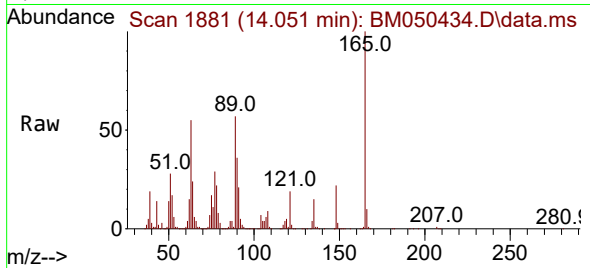




#51
2,6-Dinitrotoluene
Concen: 58.001 ng
RT: 14.051 min Scan# 1883
Delta R.T. -0.012 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

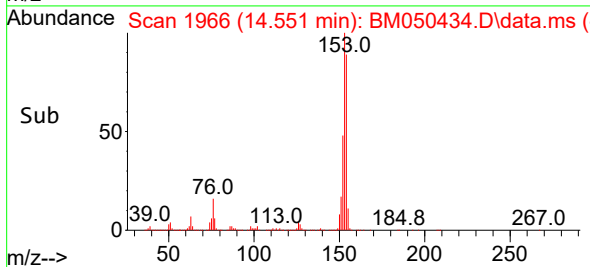
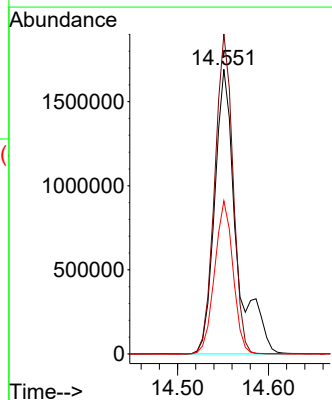
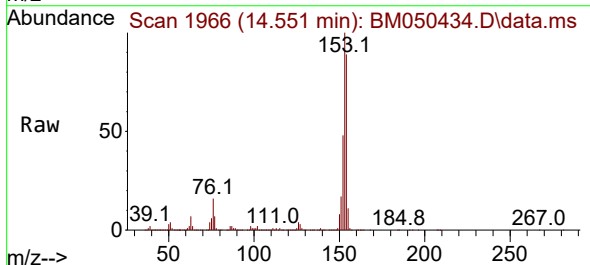
Instrument :
BNA_M
ClientSampleId :
PB168816BS

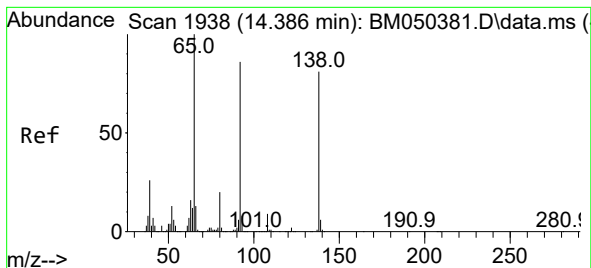
Tgt Ion:165 Resp: 641216
Ion Ratio Lower Upper
165 100
63 54.8 42.4 63.6
89 56.7 42.2 63.2



#52
Acenaphthene
Concen: 59.059 ng m
RT: 14.551 min Scan# 1966
Delta R.T. -0.006 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

Tgt Ion:154 Resp: 2807273
Ion Ratio Lower Upper
154 100
153 112.4 89.2 133.8
152 53.8 42.6 64.0

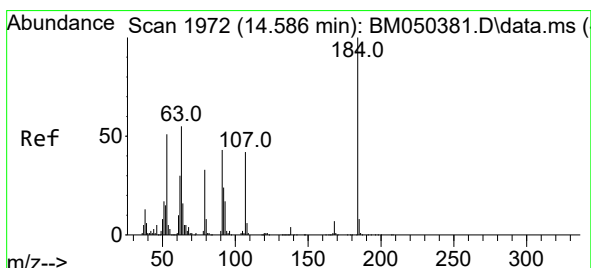
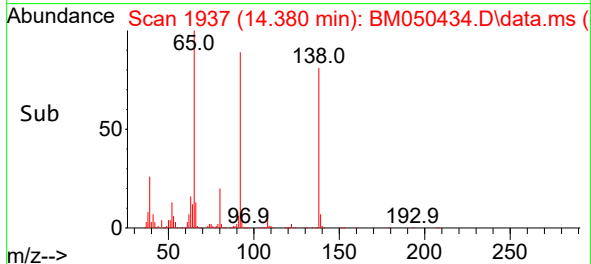
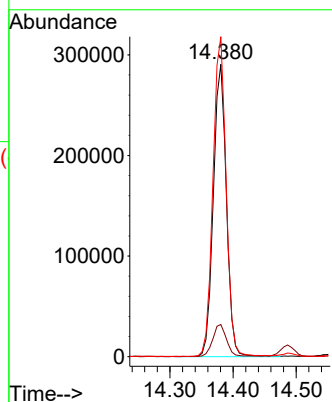
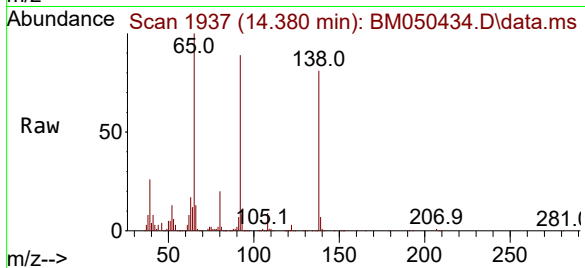




#53
3-Nitroaniline
Concen: 35.407 ng
RT: 14.380 min Scan# 1938
Delta R.T. -0.006 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

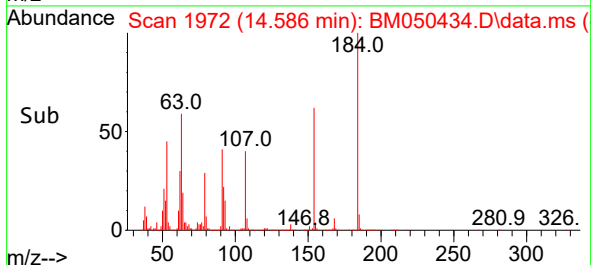
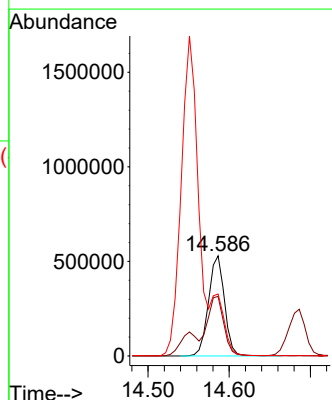
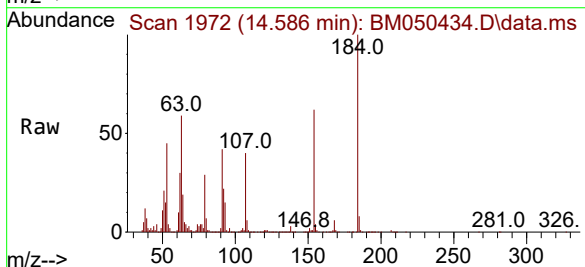
Instrument :
BNA_M
ClientSampleId :
PB168816BS

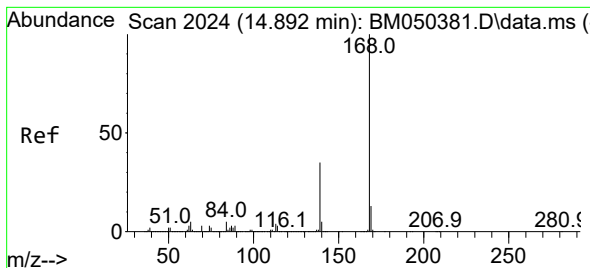
Tgt Ion:138 Resp: 416285
Ion Ratio Lower Upper
138 100
108 11.0 8.8 13.2
92 109.4 85.0 127.6



#54
2,4-Dinitrophenol
Concen: 115.545 ng
RT: 14.586 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

Tgt Ion:184 Resp: 723742
Ion Ratio Lower Upper
184 100
63 59.4 53.4 80.0
154 61.9 61.6 92.4

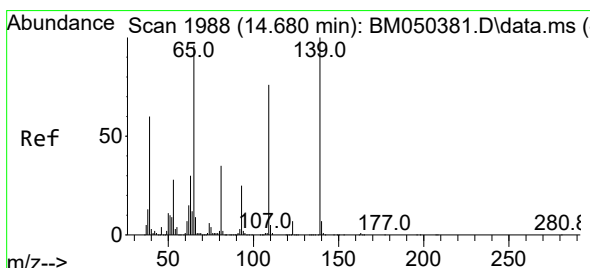
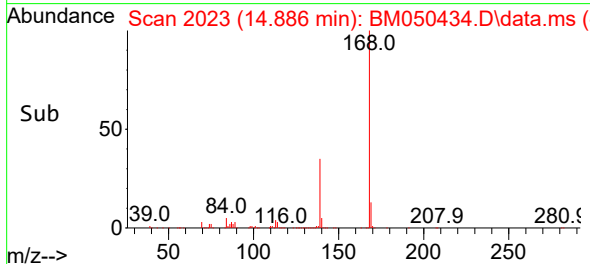
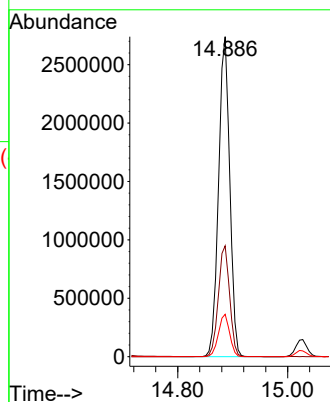
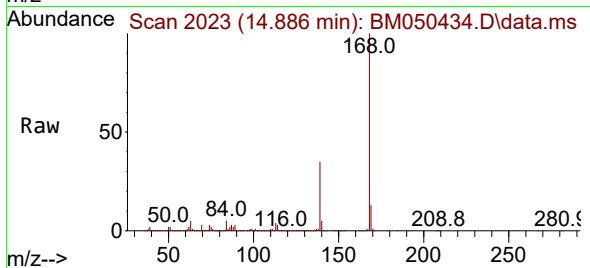




#55
Dibenzenofuran
Concen: 52.886 ng
RT: 14.886 min Scan# 20
Delta R.T. -0.006 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

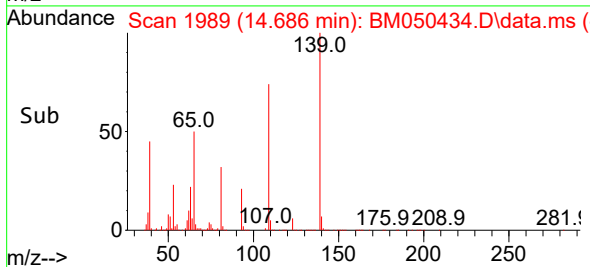
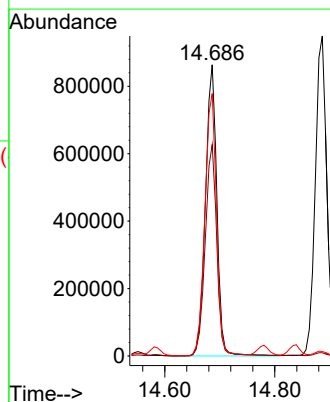
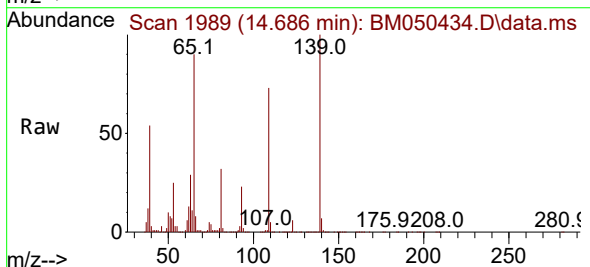
Instrument :
BNA_M
ClientSampleId :
PB168816BS

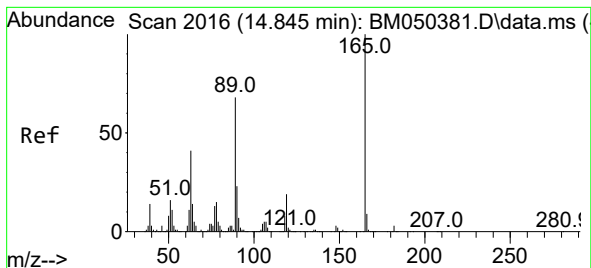
Tgt Ion:168 Resp: 3873403
Ion Ratio Lower Upper
168 100
139 34.6 27.7 41.5
169 13.2 10.7 16.1



#56
4-Nitrophenol
Concen: 122.724 ng
RT: 14.686 min Scan# 1989
Delta R.T. 0.006 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

Tgt Ion:139 Resp: 1240819
Ion Ratio Lower Upper
139 100
109 72.6 56.5 96.5
65 90.1 76.4 116.4

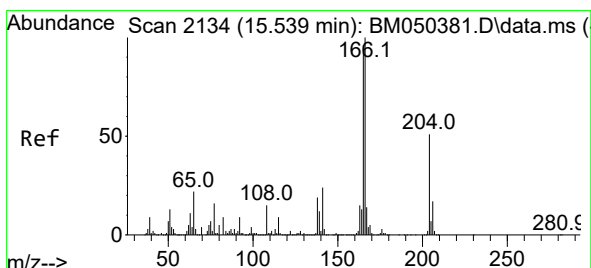
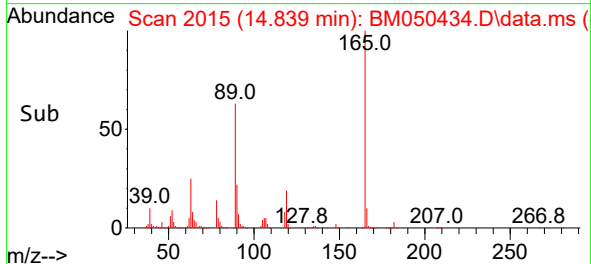
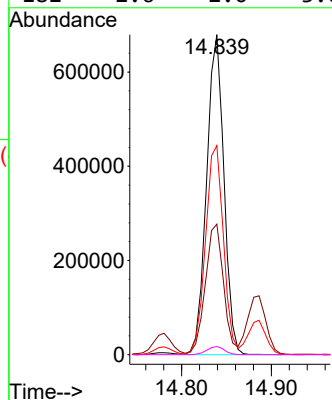
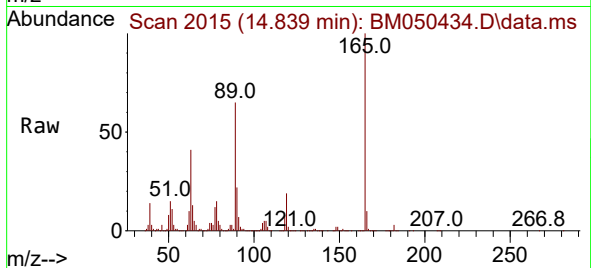




#57
2,4-Dinitrotoluene
Concen: 54.674 ng
RT: 14.839 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

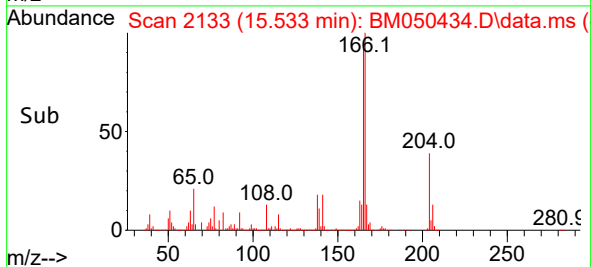
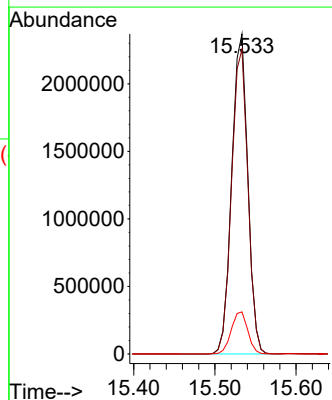
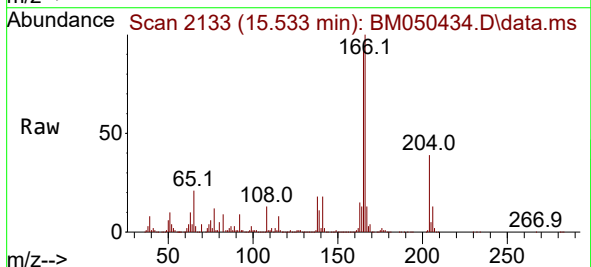
Instrument :
BNA_M
ClientSampleId :
PB168816BS

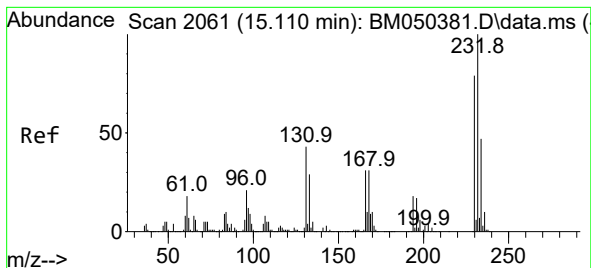
Tgt Ion:165 Resp: 911484
Ion Ratio Lower Upper
165 100
63 40.8 32.5 48.7
89 65.3 54.0 81.0
182 2.6 2.0 3.0



#58
Fluorene
Concen: 53.991 ng
RT: 15.533 min Scan# 2133
Delta R.T. -0.006 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

Tgt Ion:166 Resp: 3257067
Ion Ratio Lower Upper
166 100
165 95.2 77.0 115.6
167 13.2 10.9 16.3

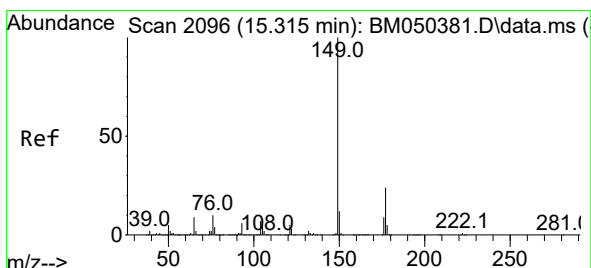
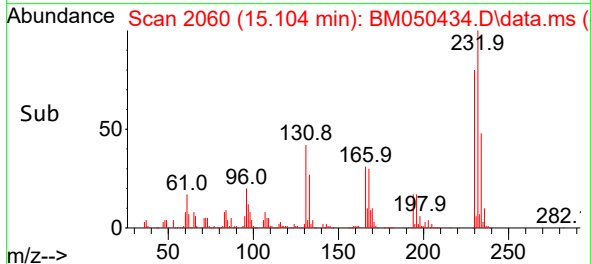
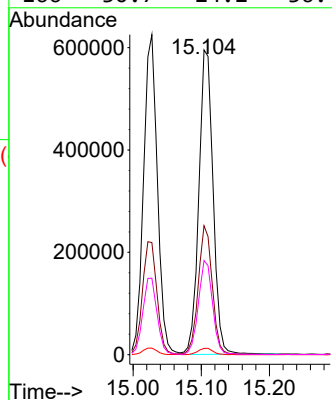
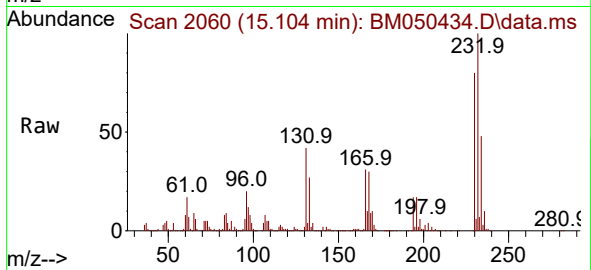




#59
2,3,4,6-Tetrachlorophenol
Concen: 57.317 ng
RT: 15.104 min Scan# 2060
Delta R.T. -0.006 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

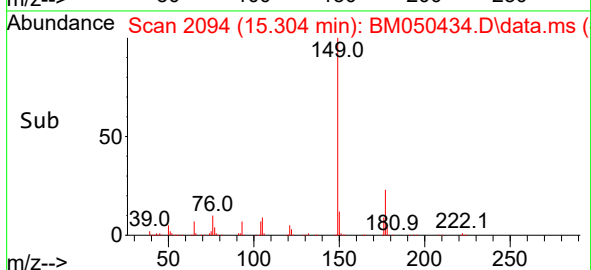
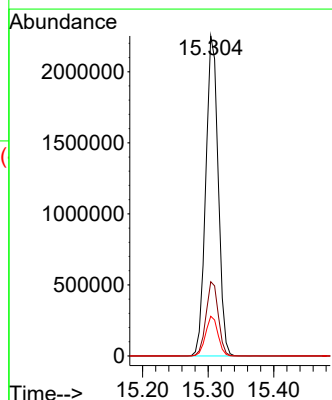
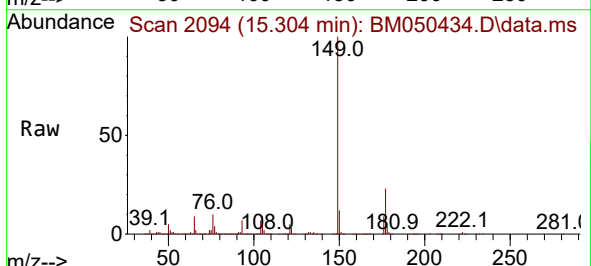
Instrument :
BNA_M
ClientSampleId :
PB168816BS

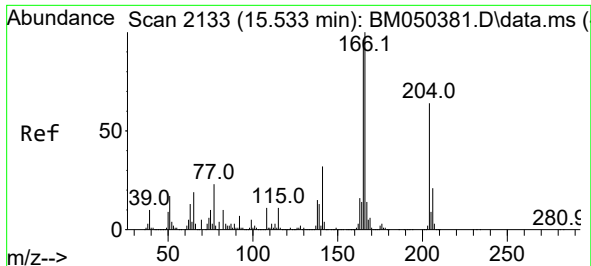
Tgt Ion:232 Resp: 862632
Ion Ratio Lower Upper
232 100
131 42.0 33.4 50.0
130 2.2 1.8 2.6
166 30.7 24.2 36.4



#60
Diethylphthalate
Concen: 54.081 ng
RT: 15.304 min Scan# 2094
Delta R.T. -0.012 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

Tgt Ion:149 Resp: 2974472
Ion Ratio Lower Upper
149 100
177 23.2 18.8 28.2
150 12.4 9.8 14.8

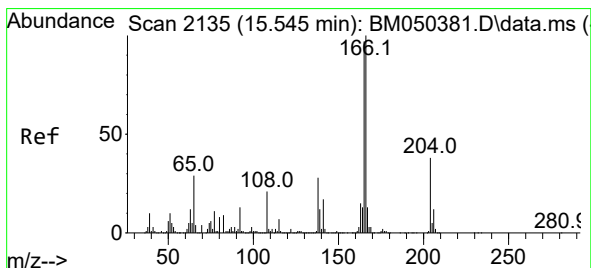
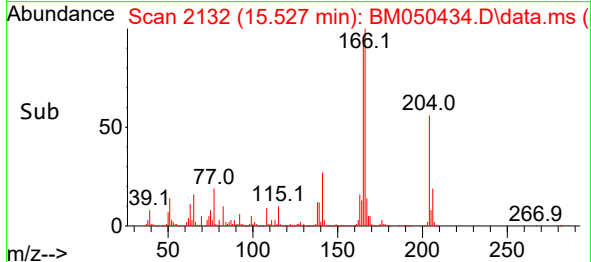
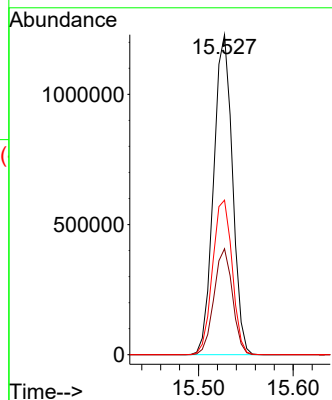
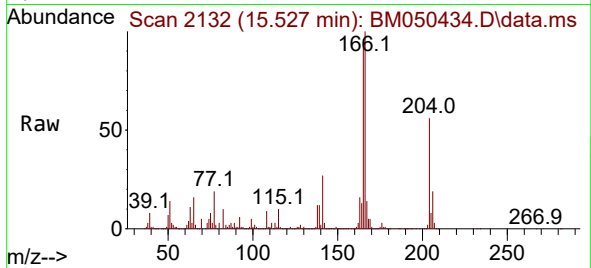




#61
4-Chlorophenyl-phenylether
Concen: 53.823 ng
RT: 15.527 min Scan# 2132
Delta R.T. -0.006 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

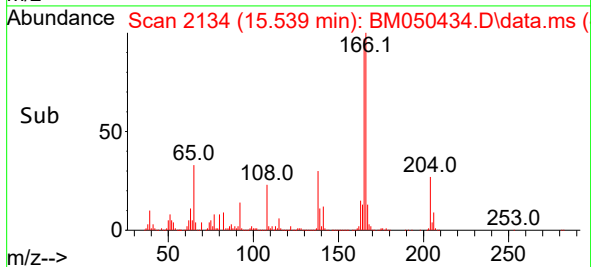
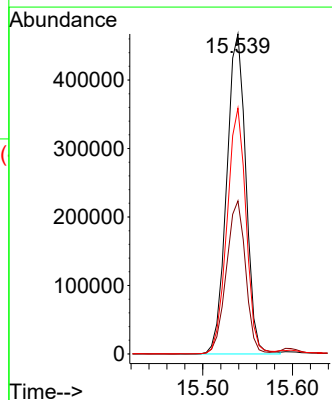
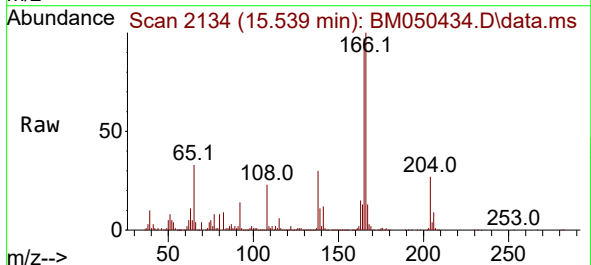
Instrument :
BNA_M
ClientSampleId :
PB168816BS

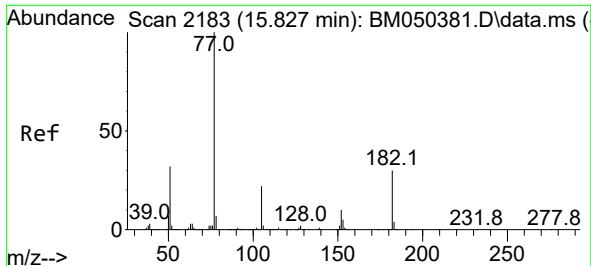
Tgt Ion:204 Resp: 1697794
Ion Ratio Lower Upper
204 100
206 33.1 26.6 39.8
141 48.3 39.9 59.9



#62
4-Nitroaniline
Concen: 51.242 ng
RT: 15.539 min Scan# 2134
Delta R.T. -0.006 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

Tgt Ion:138 Resp: 695111
Ion Ratio Lower Upper
138 100
92 47.8 24.5 64.5
108 76.8 52.5 92.5

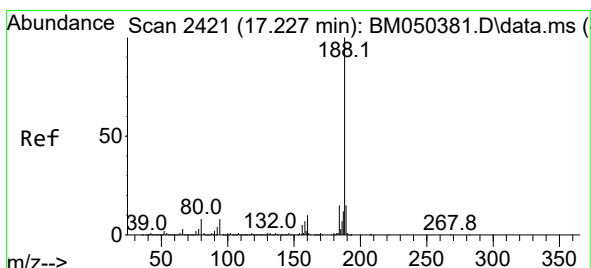
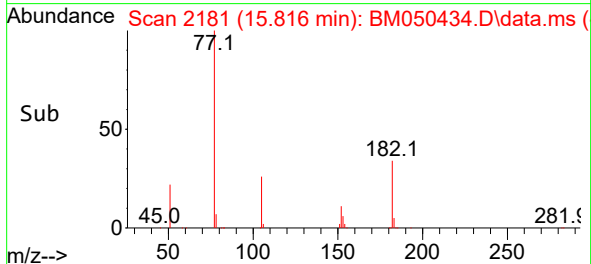
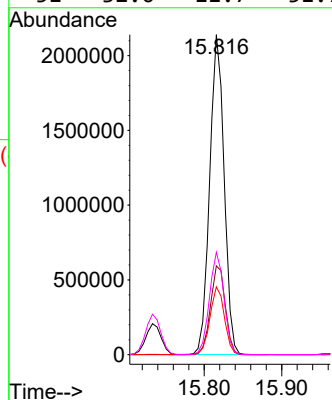
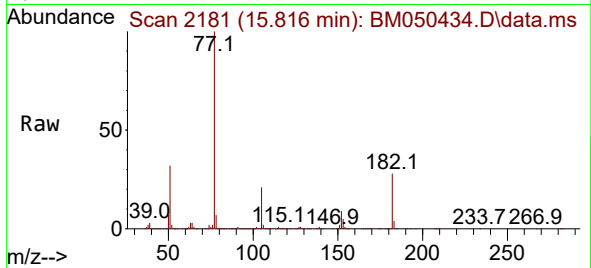




#63
Azobenzene
Concen: 54.797 ng
RT: 15.816 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

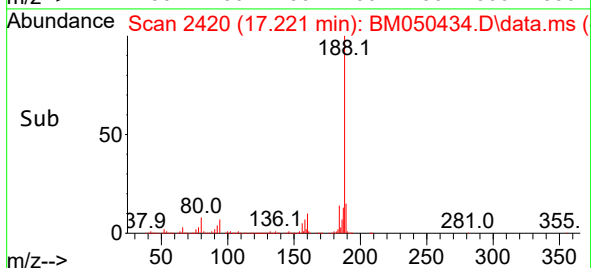
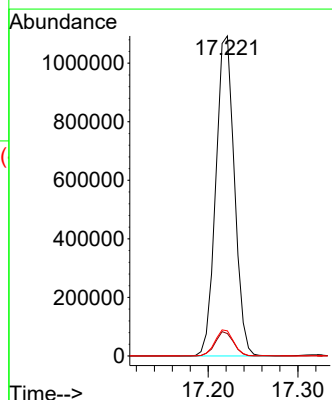
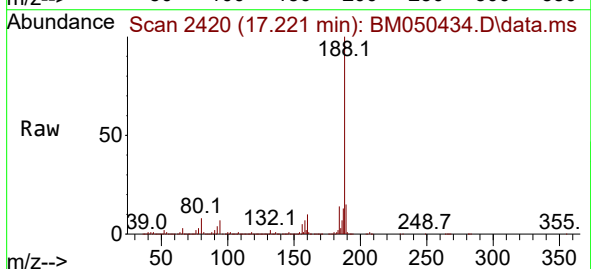
Instrument :
BNA_M
ClientSampleId :
PB168816BS

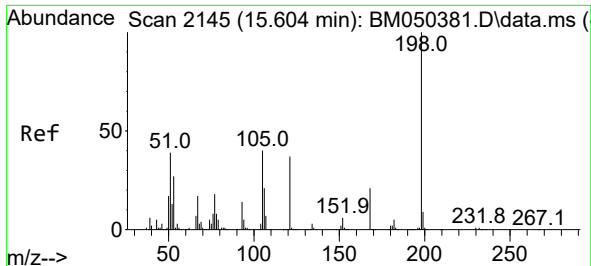
Tgt Ion: 77 Resp: 2767488
Ion Ratio Lower Upper
77 100
182 27.8 10.0 50.0
105 21.2 2.0 42.0
51 32.0 11.7 51.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.221 min Scan# 2420
Delta R.T. -0.006 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

Tgt Ion:188 Resp: 1570373
Ion Ratio Lower Upper
188 100
94 7.0 6.0 9.0
80 7.9 6.5 9.7

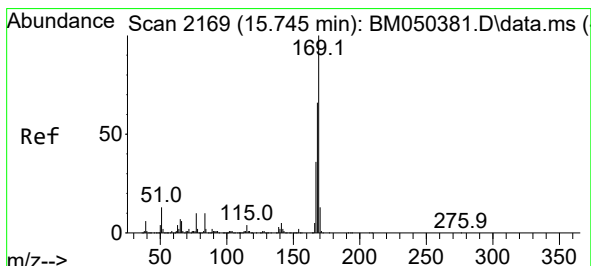
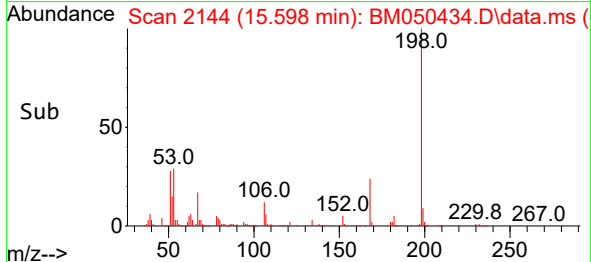
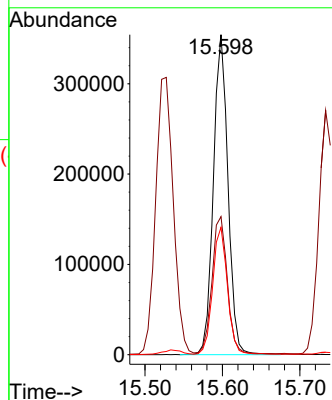
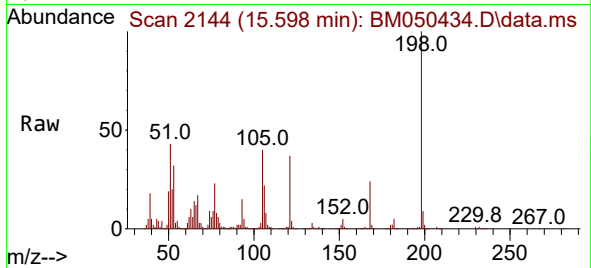




#65
4,6-Dinitro-2-methylphenol
Concen: 54.145 ng
RT: 15.598 min Scan# 2144
Delta R.T. -0.006 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

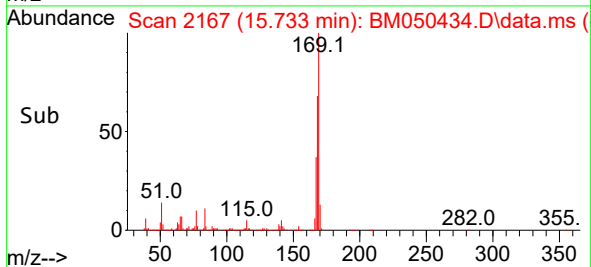
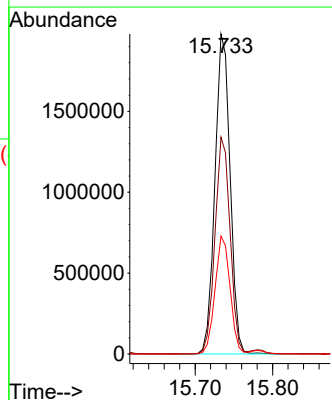
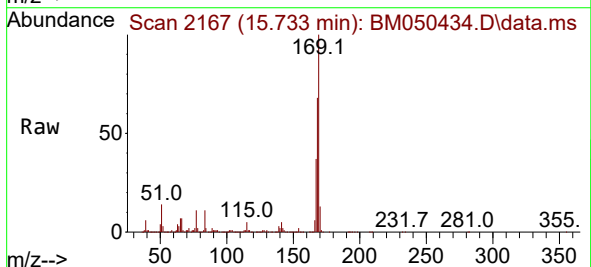
Instrument :
BNA_M
ClientSampleId :
PB168816BS

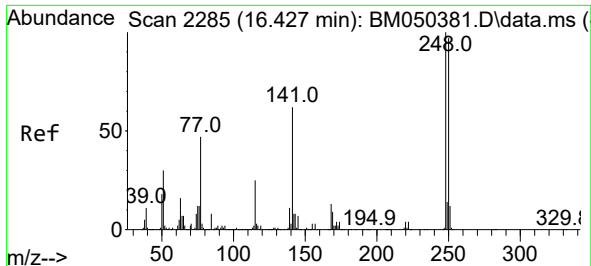
Tgt Ion:198 Resp: 465048
Ion Ratio Lower Upper
198 100
51 43.1 26.6 66.6
105 39.8 20.9 60.9



#66
n-Nitrosodiphenylamine
Concen: 54.767 ng
RT: 15.733 min Scan# 2167
Delta R.T. -0.012 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

Tgt Ion:169 Resp: 2691246
Ion Ratio Lower Upper
169 100
168 67.7 53.2 79.8
167 36.8 28.7 43.1

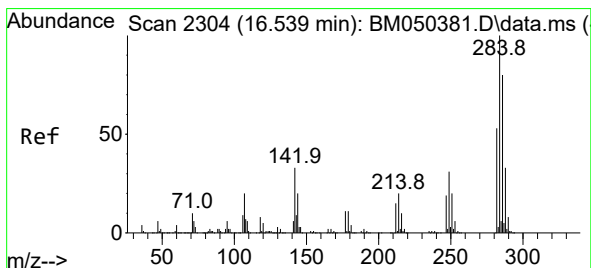
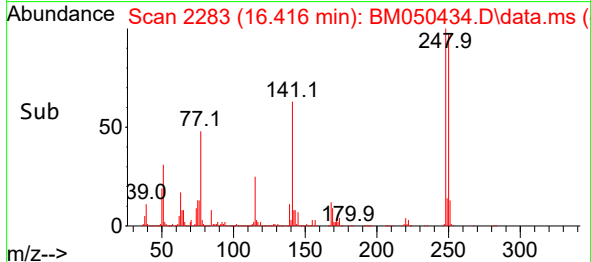
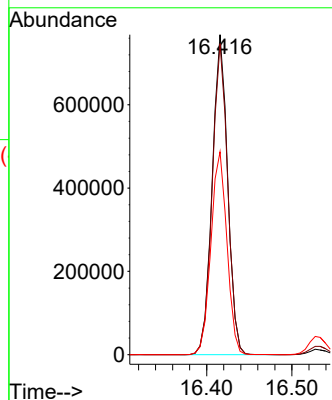
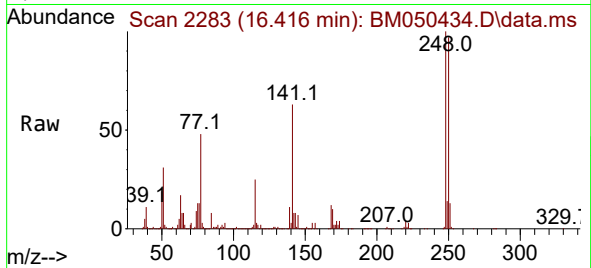




#67
4-Bromophenyl-phenylether
Concen: 55.697 ng
RT: 16.416 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

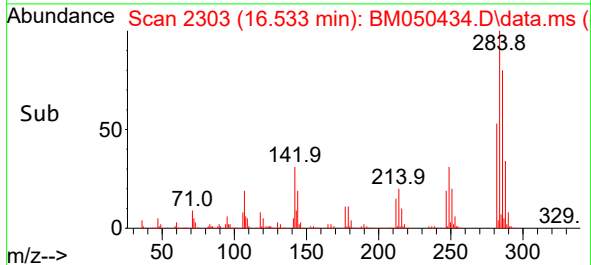
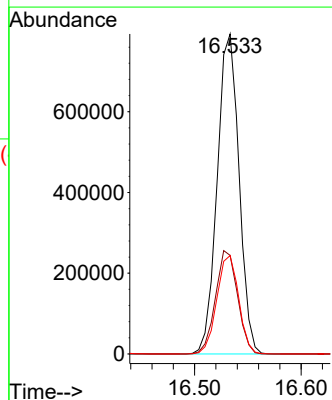
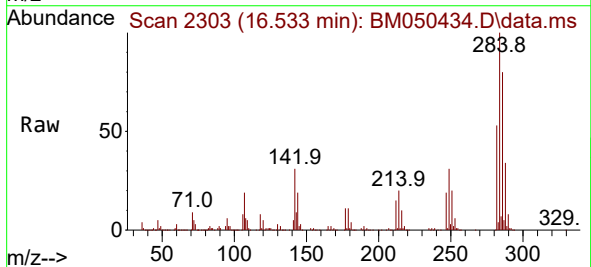
Instrument :
BNA_M
ClientSampleId :
PB168816BS

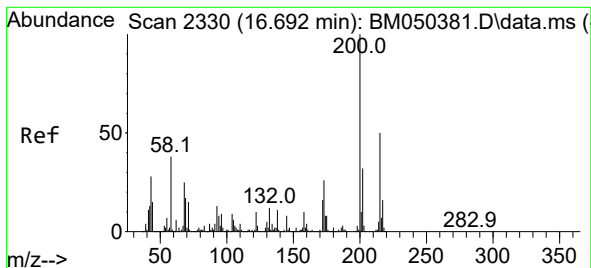
Tgt Ion:248 Resp: 963667
Ion Ratio Lower Upper
248 100
250 97.2 77.9 116.9
141 63.4 49.7 74.5



#68
Hexachlorobenzene
Concen: 55.079 ng
RT: 16.533 min Scan# 2303
Delta R.T. -0.006 min
Lab File: BM050434.D
Acq: 14 Jul 2025 20:14

Tgt Ion:284 Resp: 1125519
Ion Ratio Lower Upper
284 100
142 30.8 26.8 40.2
249 30.8 24.5 36.7





#69

Atrazine

Concen: 57.673 ng

RT: 16.680 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050434.D

Acq: 14 Jul 2025 20:14

Instrument :

BNA_M

ClientSampleId :

PB168816BS

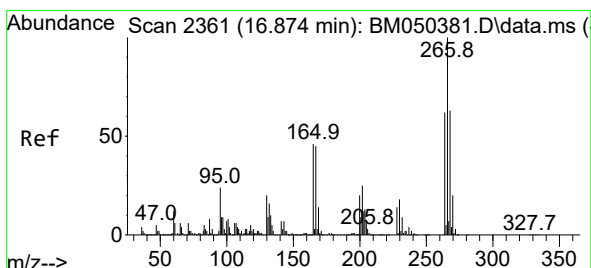
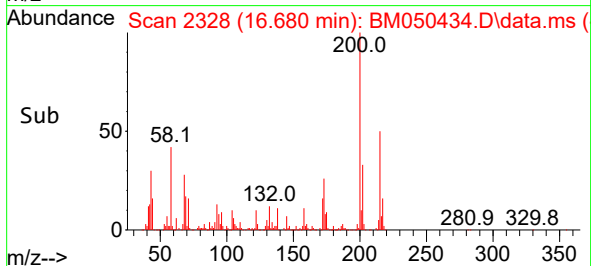
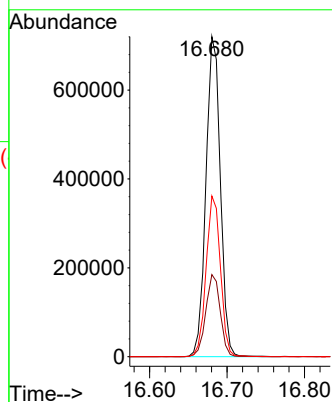
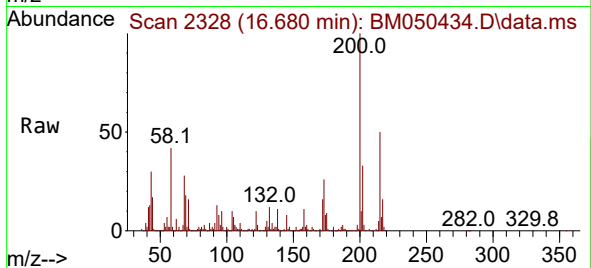
Tgt Ion:200 Resp: 930604

Ion Ratio Lower Upper

200 100

173 25.7 5.6 45.6

215 50.2 29.6 69.6



#70

Pentachlorophenol

Concen: 126.958 ng

RT: 16.869 min Scan# 2360

Delta R.T. -0.006 min

Lab File: BM050434.D

Acq: 14 Jul 2025 20:14

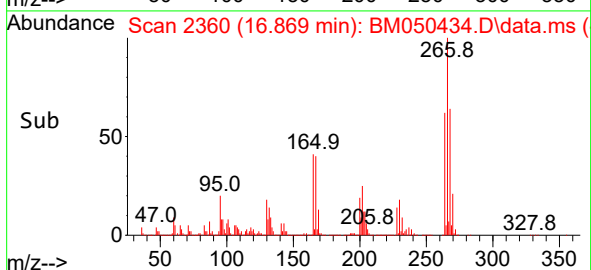
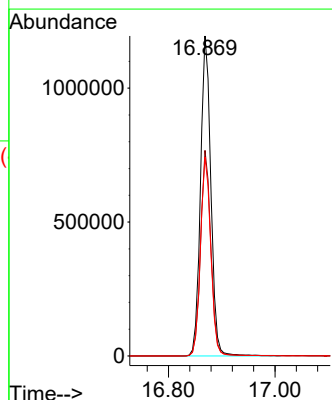
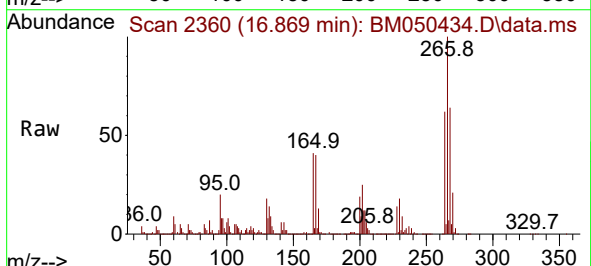
Tgt Ion:266 Resp: 1615023

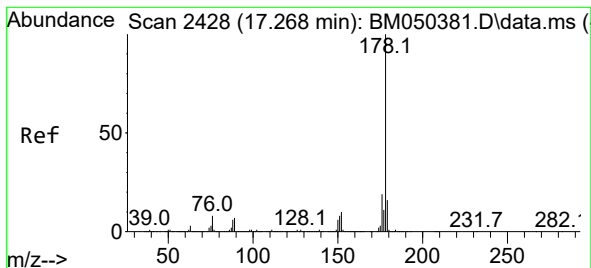
Ion Ratio Lower Upper

266 100

268 64.3 50.5 75.7

264 62.2 49.9 74.9





#71

Phenanthrene

Concen: 54.107 ng

RT: 17.263 min Scan# 2428

Delta R.T. -0.006 min

Lab File: BM050434.D

Acq: 14 Jul 2025 20:14

Instrument :

BNA_M

ClientSampleId :

PB168816BS

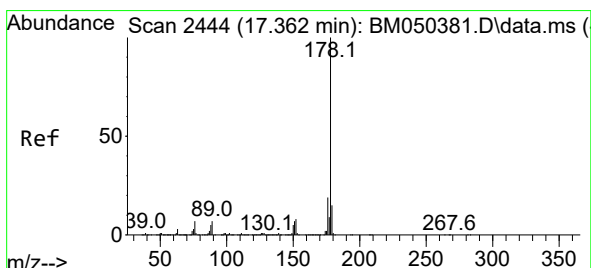
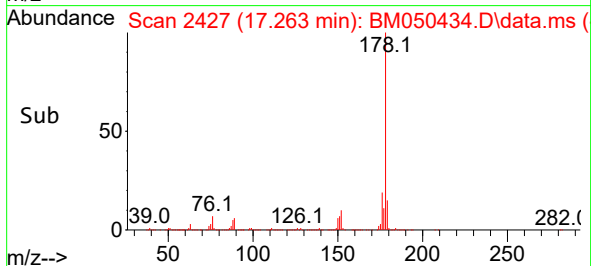
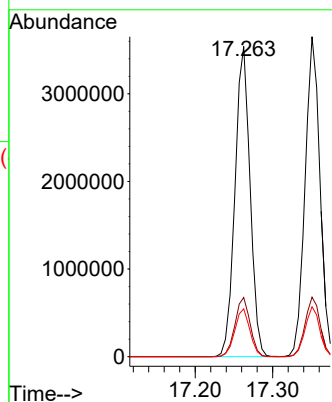
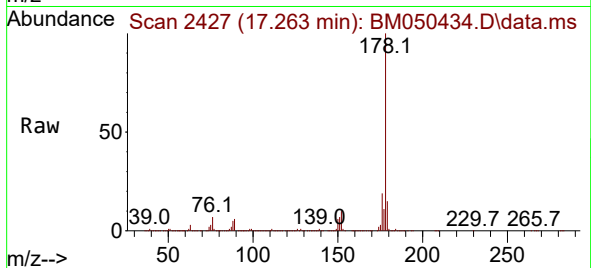
Tgt Ion:178 Resp: 4808002

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.0

179 15.4 12.5 18.7



#72

Anthracene

Concen: 55.368 ng

RT: 17.351 min Scan# 2442

Delta R.T. -0.012 min

Lab File: BM050434.D

Acq: 14 Jul 2025 20:14

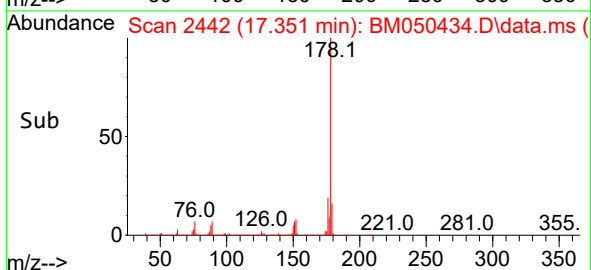
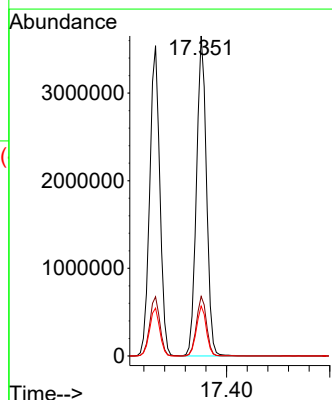
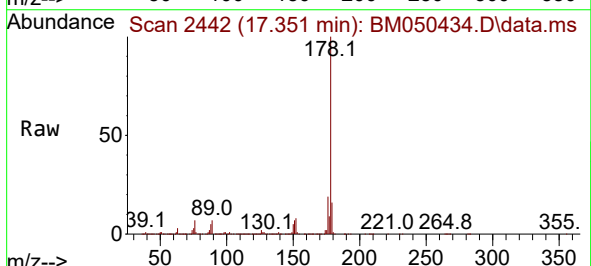
Tgt Ion:178 Resp: 4897400

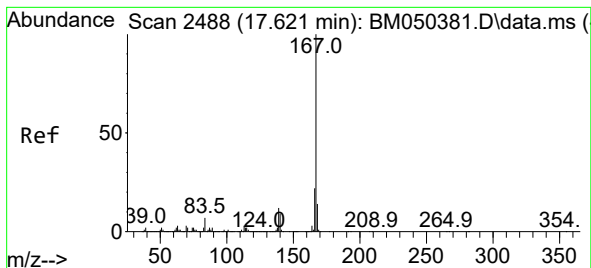
Ion Ratio Lower Upper

178 100

176 18.6 14.9 22.3

179 15.6 12.2 18.4





#73

Carbazole

Concen: 56.389 ng

RT: 17.616 min Scan# 24

Delta R.T. -0.006 min

Lab File: BM050434.D

Acq: 14 Jul 2025 20:14

Instrument :

BNA_M

ClientSampleId :

PB168816BS

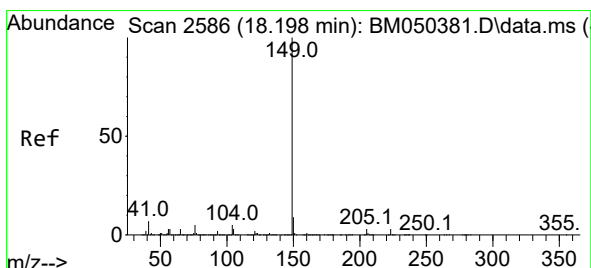
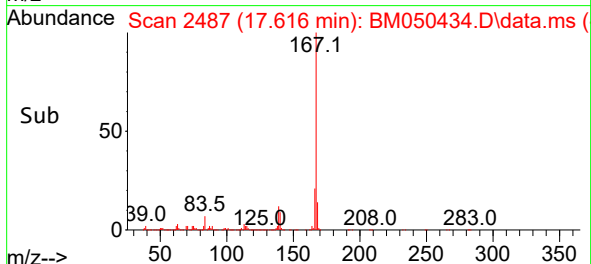
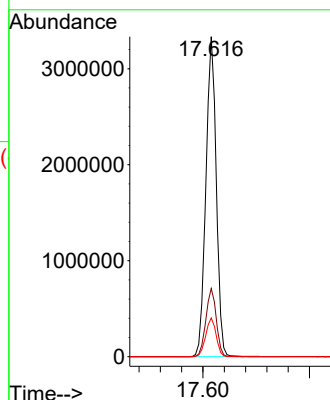
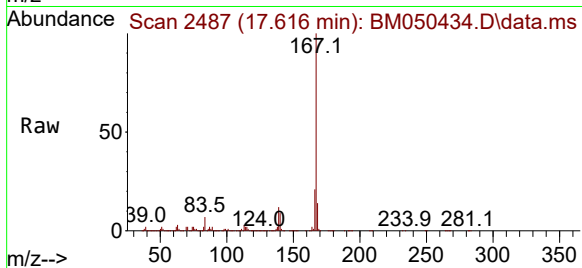
Tgt Ion:167 Resp: 4513000

Ion Ratio Lower Upper

167 100

166 21.3 17.2 25.8

139 12.1 9.9 14.9



#74

Di-n-butylphthalate

Concen: 56.440 ng

RT: 18.186 min Scan# 2584

Delta R.T. -0.012 min

Lab File: BM050434.D

Acq: 14 Jul 2025 20:14

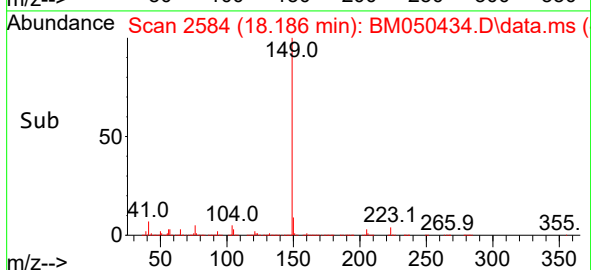
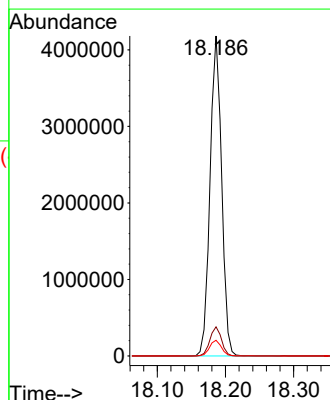
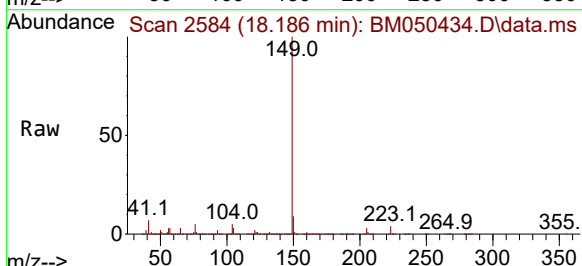
Tgt Ion:149 Resp: 4944130

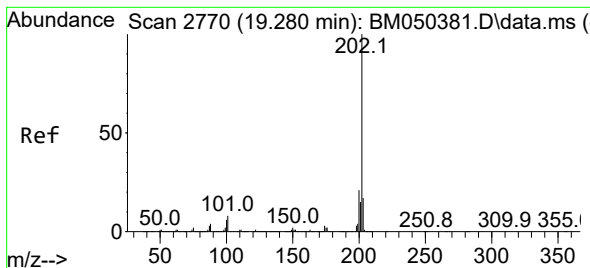
Ion Ratio Lower Upper

149 100

150 9.1 7.3 10.9

104 4.9 3.9 5.9





#75

Fluoranthene

Concen: 57.260 ng

RT: 19.268 min Scan# 21

Delta R.T. -0.011 min

Lab File: BM050434.D

Acq: 14 Jul 2025 20:14

Instrument :

BNA_M

ClientSampleId :

PB168816BS

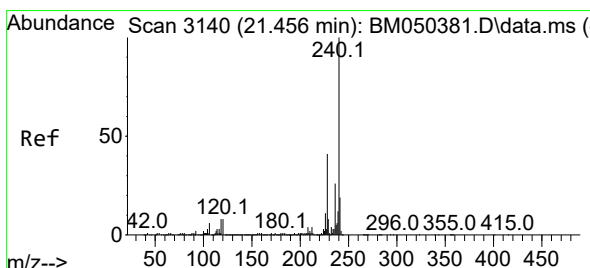
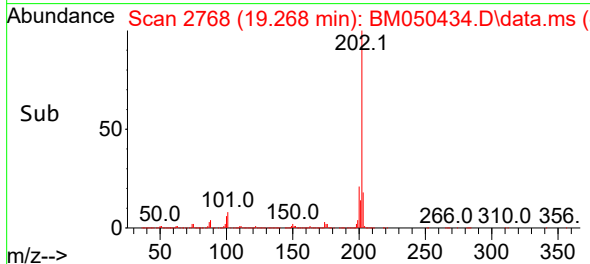
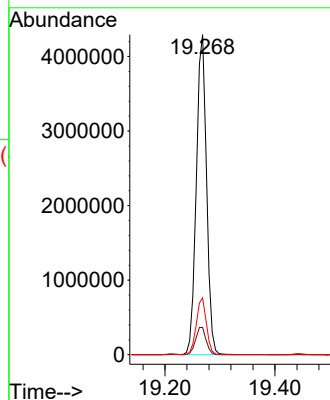
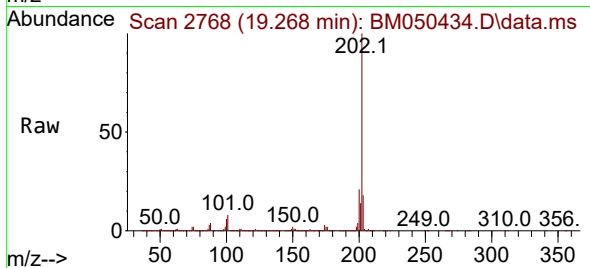
Tgt Ion:202 Resp: 5531406

Ion Ratio Lower Upper

202 100

101 8.5 0.0 28.3

203 17.8 0.0 37.2



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.439 min Scan# 3137

Delta R.T. -0.017 min

Lab File: BM050434.D

Acq: 14 Jul 2025 20:14

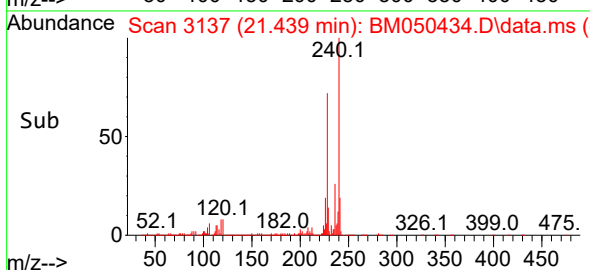
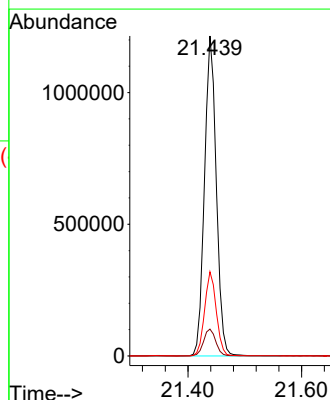
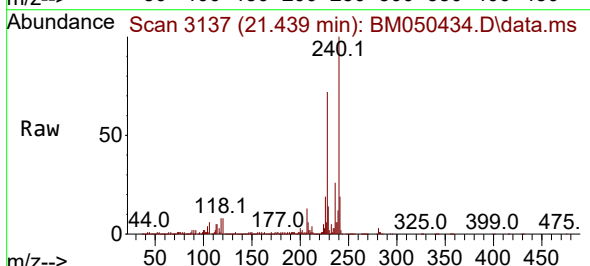
Tgt Ion:240 Resp: 1747795

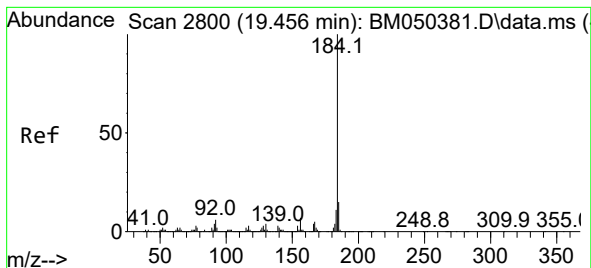
Ion Ratio Lower Upper

240 100

120 8.4 6.7 10.1

236 26.3 20.7 31.1





#77

Benzidine

Concen: 59.445 ng

RT: 19.445 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050434.D

Acq: 14 Jul 2025 20:14

Instrument :

BNA_M

ClientSampleId :

PB168816BS

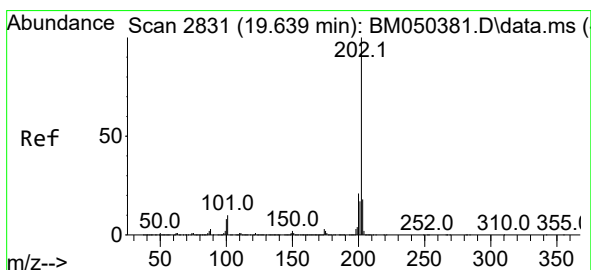
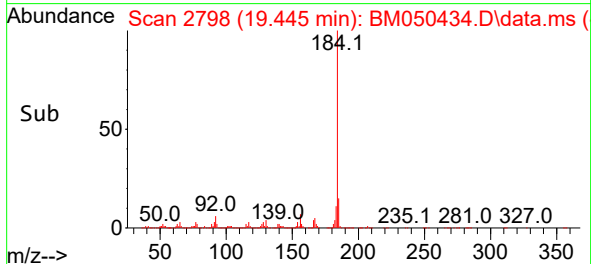
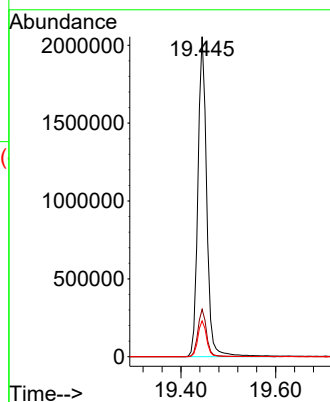
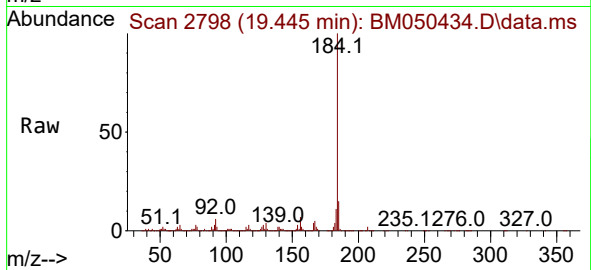
Tgt Ion:184 Resp: 2650051

Ion Ratio Lower Upper

184 100

185 14.8 11.7 17.5

183 11.2 9.0 13.6



#78

Pyrene

Concen: 52.801 ng

RT: 19.627 min Scan# 2829

Delta R.T. -0.011 min

Lab File: BM050434.D

Acq: 14 Jul 2025 20:14

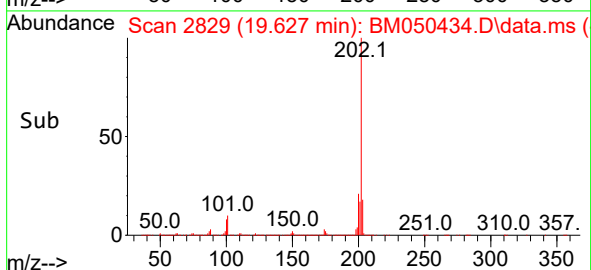
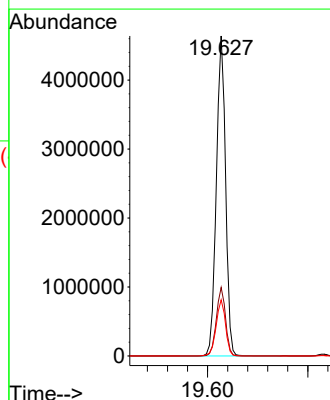
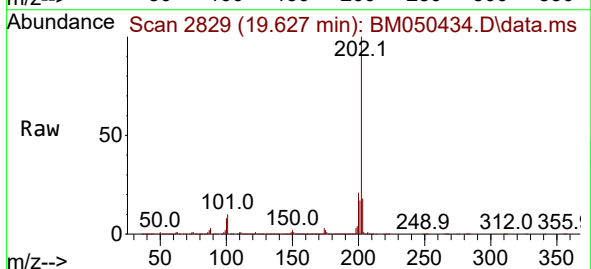
Tgt Ion:202 Resp: 5910432

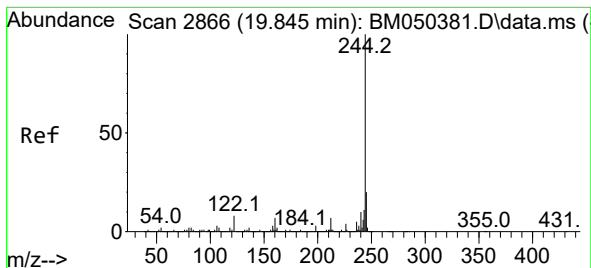
Ion Ratio Lower Upper

202 100

200 21.4 16.9 25.3

203 17.5 14.1 21.1





#79

Terphenyl-d14

Concen: 98.381 ng

RT: 19.827 min Scan# 21

Delta R.T. -0.017 min

Lab File: BM050434.D

Acq: 14 Jul 2025 20:14

Instrument :

BNA_M

ClientSampleId :

PB168816BS

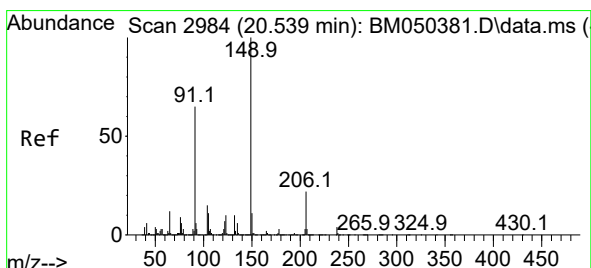
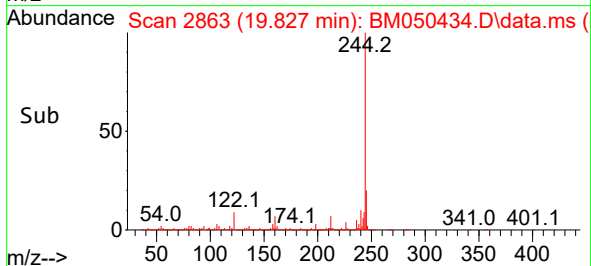
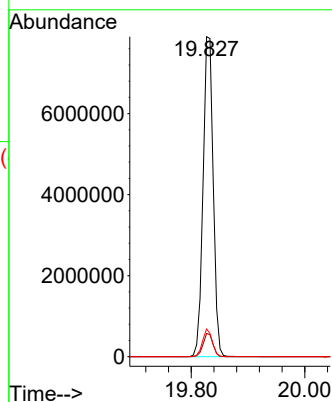
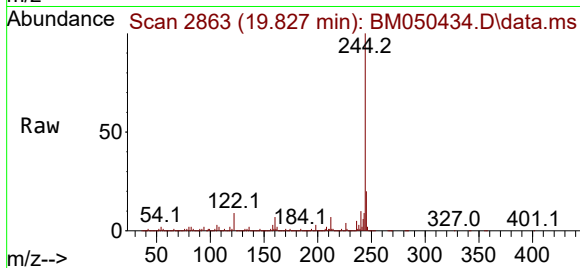
Tgt Ion:244 Resp: 9772918

Ion Ratio Lower Upper

244 100

212 7.3 5.7 8.5

122 8.7 6.2 9.2



#80

Butylbenzylphthalate

Concen: 60.672 ng

RT: 20.521 min Scan# 2981

Delta R.T. -0.017 min

Lab File: BM050434.D

Acq: 14 Jul 2025 20:14

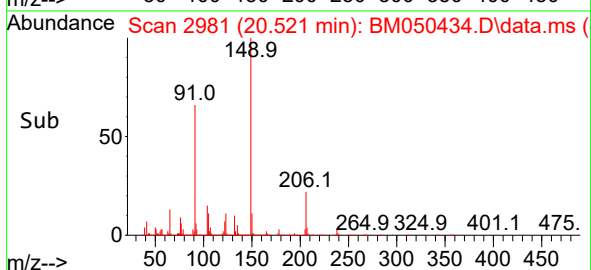
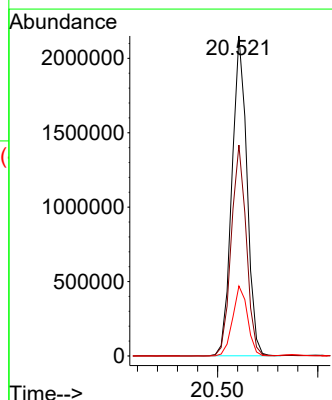
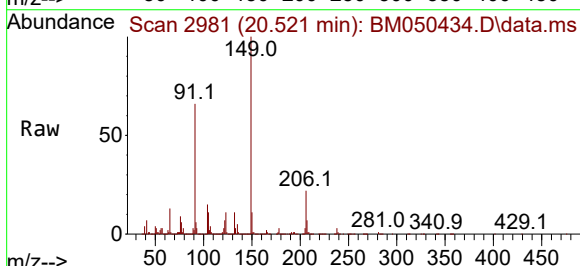
Tgt Ion:149 Resp: 2239356

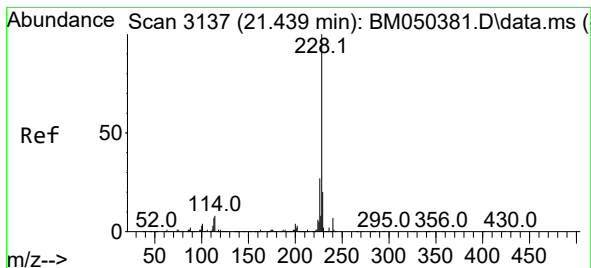
Ion Ratio Lower Upper

149 100

91 65.9 51.6 77.4

206 21.9 17.8 26.8





#81

Benzo(a)anthracene

Concen: 55.871 ng

RT: 21.421 min Scan# 31

Delta R.T. -0.017 min

Lab File: BM050434.D

Acq: 14 Jul 2025 20:14

Instrument :

BNA_M

ClientSampleId :

PB168816BS

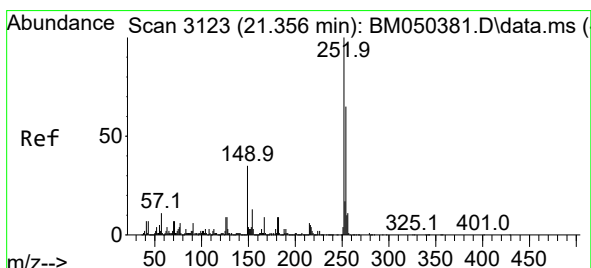
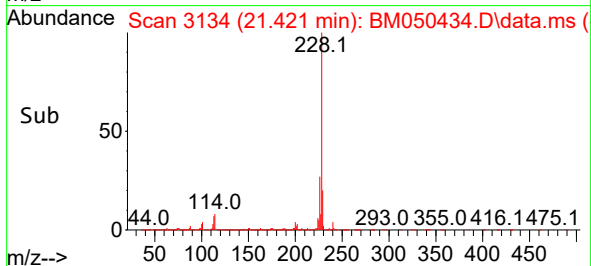
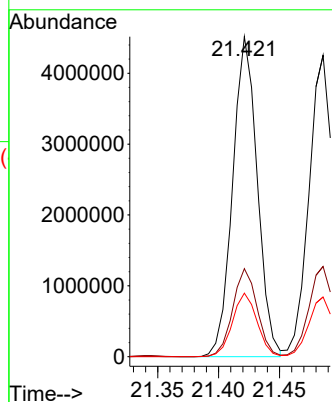
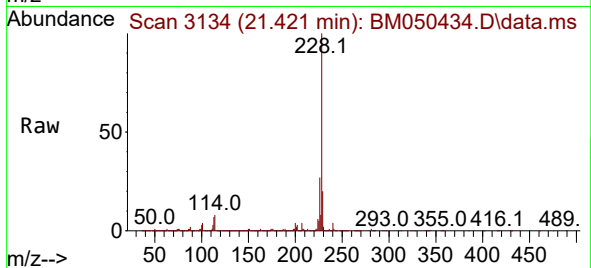
Tgt Ion:228 Resp: 6362620

Ion Ratio Lower Upper

228 100

226 27.5 21.8 32.8

229 19.8 16.0 24.0



#82

3,3'-Dichlorobenzidine

Concen: 37.954 ng

RT: 21.339 min Scan# 3120

Delta R.T. -0.017 min

Lab File: BM050434.D

Acq: 14 Jul 2025 20:14

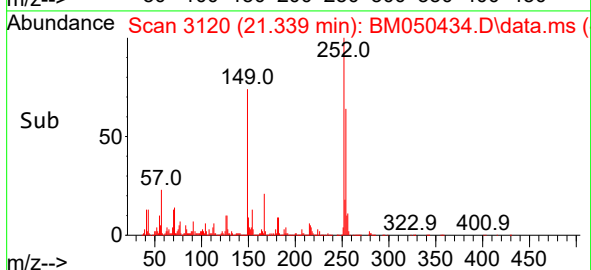
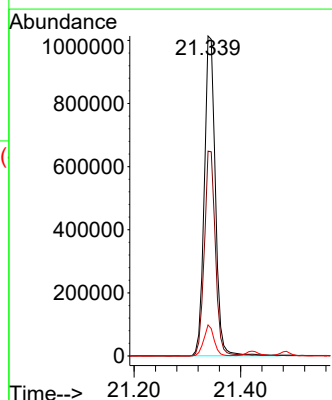
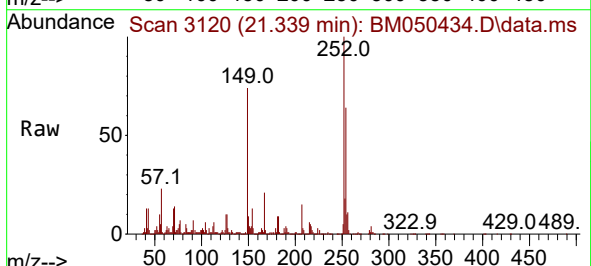
Tgt Ion:252 Resp: 1457621

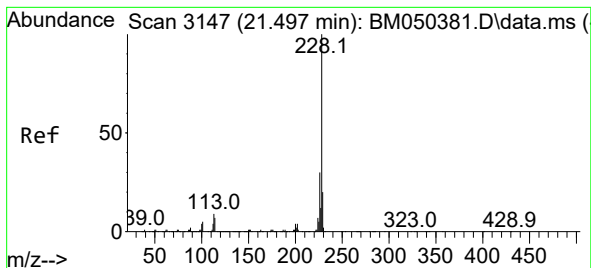
Ion Ratio Lower Upper

252 100

254 64.0 51.7 77.5

126 9.7 7.3 10.9





#83

Chrysene

Concen: 56.004 ng

RT: 21.486 min Scan# 3145

Delta R.T. -0.012 min

Lab File: BM050434.D

Acq: 14 Jul 2025 20:14

Instrument :

BNA_M

ClientSampleId :

PB168816BS

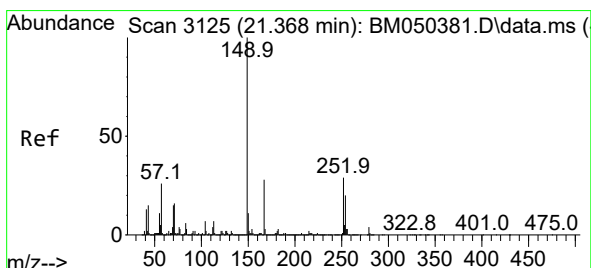
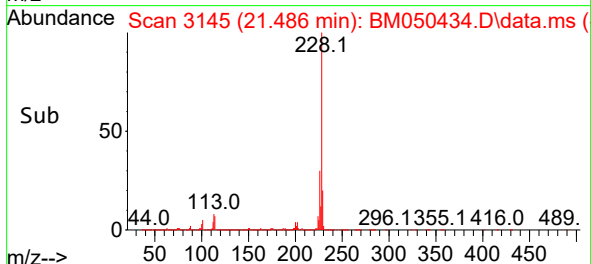
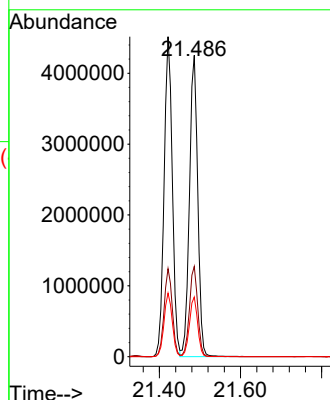
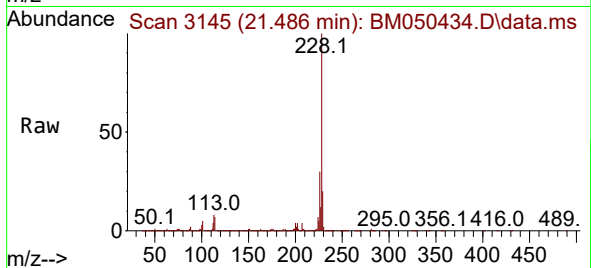
Tgt Ion:228 Resp: 6015595

Ion Ratio Lower Upper

228 100

226 29.9 24.2 36.4

229 19.8 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 58.963 ng

RT: 21.351 min Scan# 3122

Delta R.T. -0.017 min

Lab File: BM050434.D

Acq: 14 Jul 2025 20:14

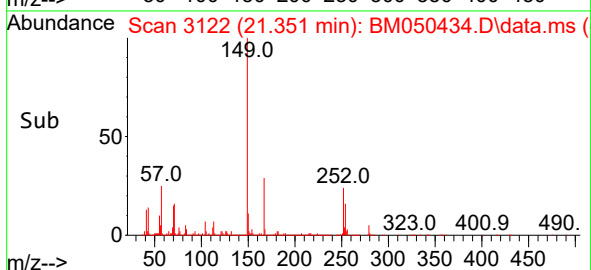
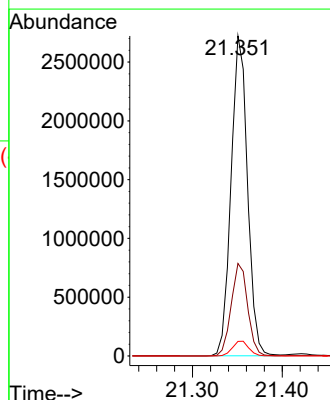
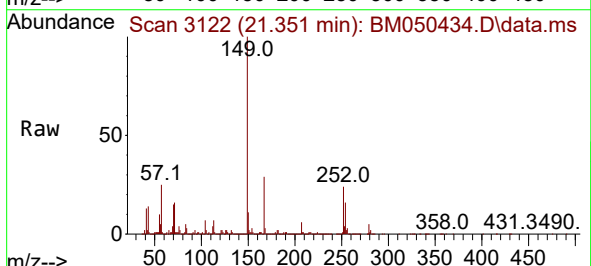
Tgt Ion:149 Resp: 3454804

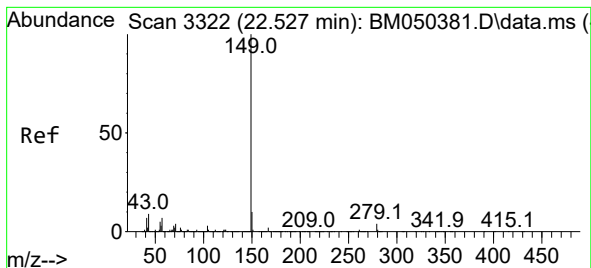
Ion Ratio Lower Upper

149 100

167 28.9 22.7 34.1

279 4.5 3.5 5.3





#85

Di-n-octyl phthalate

Concen: 62.377 ng

RT: 22.498 min Scan# 31

Delta R.T. -0.029 min

Lab File: BM050434.D

Acq: 14 Jul 2025 20:14

Instrument :

BNA_M

ClientSampleId :

PB168816BS

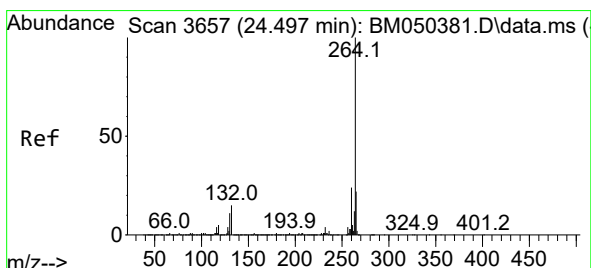
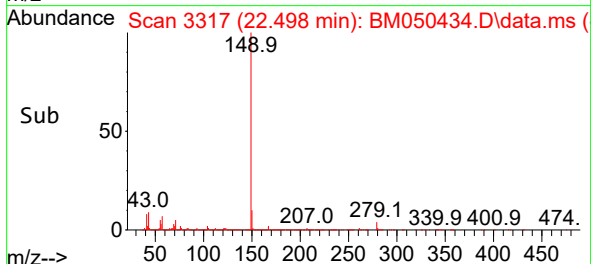
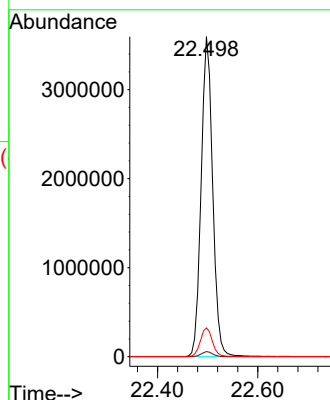
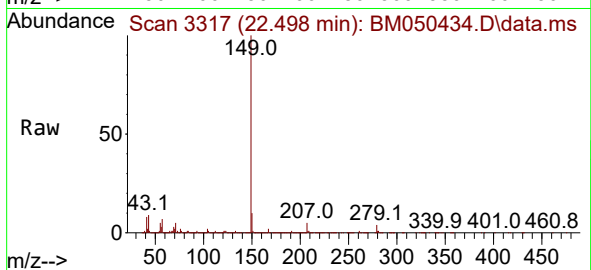
Tgt Ion:149 Resp: 5724245

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 9.4 7.7 11.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.468 min Scan# 3652

Delta R.T. -0.029 min

Lab File: BM050434.D

Acq: 14 Jul 2025 20:14

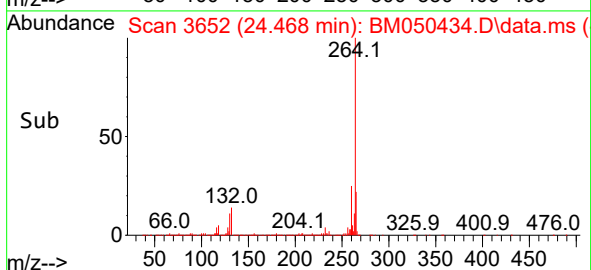
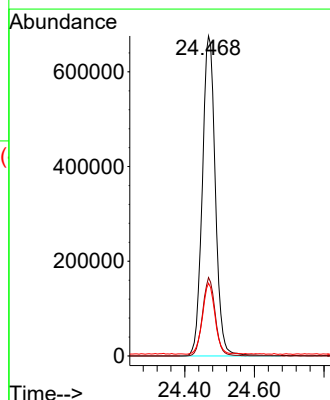
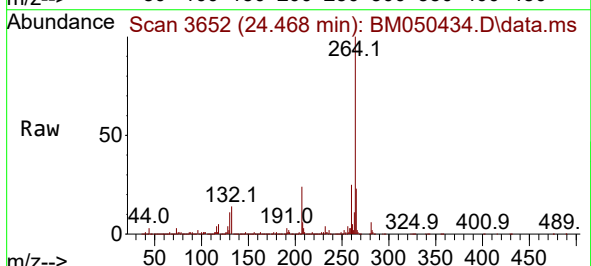
Tgt Ion:264 Resp: 1758315

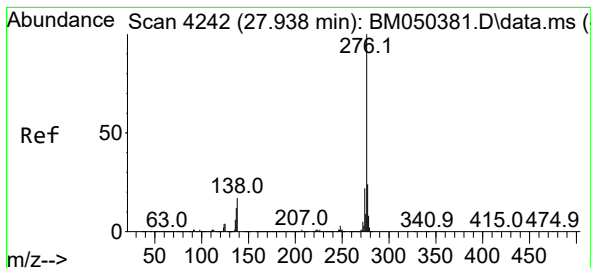
Ion Ratio Lower Upper

264 100

260 24.5 19.2 28.8

265 22.8 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 57.196 ng

RT: 27.903 min Scan# 41

Delta R.T. -0.035 min

Lab File: BM050434.D

Acq: 14 Jul 2025 20:14

Instrument :

BNA_M

ClientSampleId :

PB168816BS

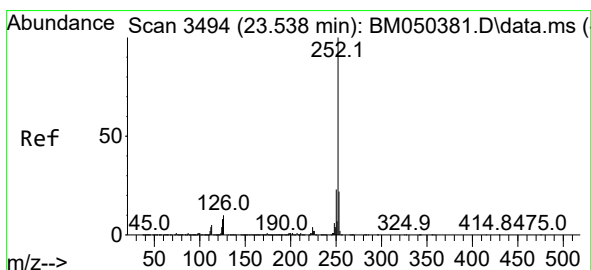
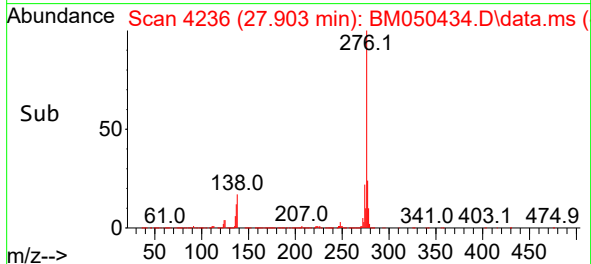
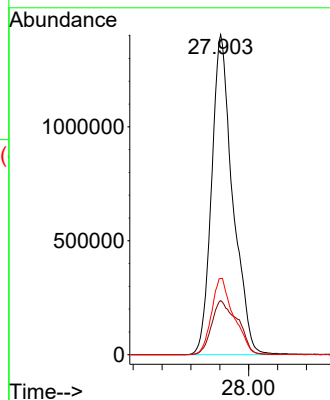
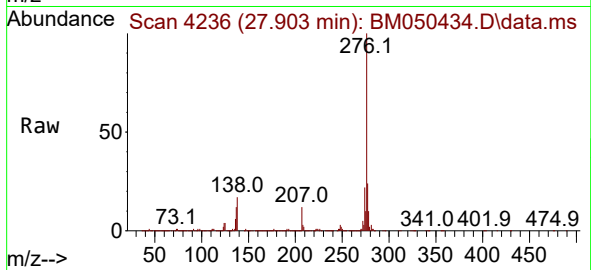
Tgt Ion:276 Resp: 7150355

Ion Ratio Lower Upper

276 100

138 20.8 17.0 25.6

277 25.1 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 57.094 ng

RT: 23.515 min Scan# 3490

Delta R.T. -0.023 min

Lab File: BM050434.D

Acq: 14 Jul 2025 20:14

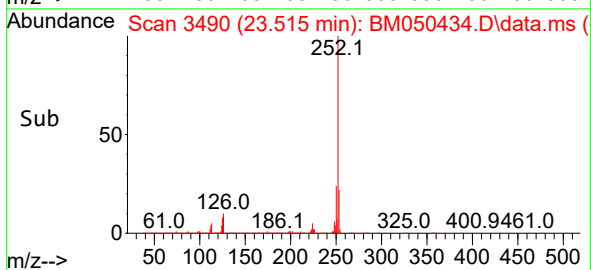
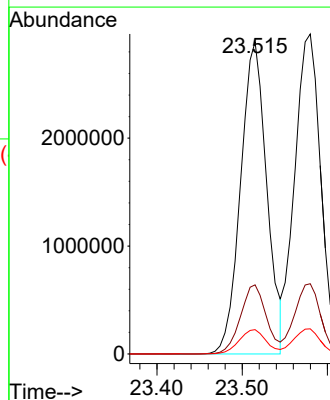
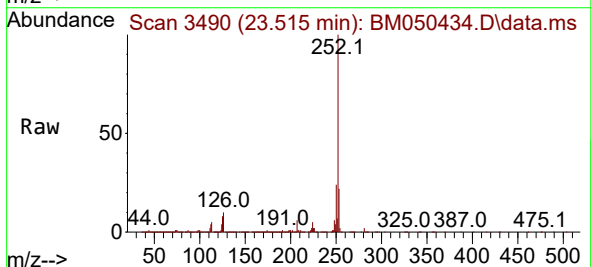
Tgt Ion:252 Resp: 6174896

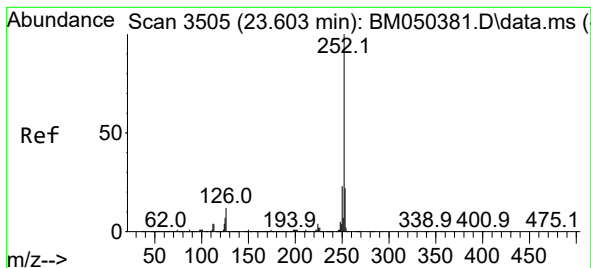
Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.6

125 7.8 6.3 9.5





#89

Benzo(k)fluoranthene

Concen: 56.495 ng

RT: 23.580 min Scan# 3

Delta R.T. -0.023 min

Lab File: BM050434.D

Acq: 14 Jul 2025 20:14

Instrument :

BNA_M

ClientSampleId :

PB168816BS

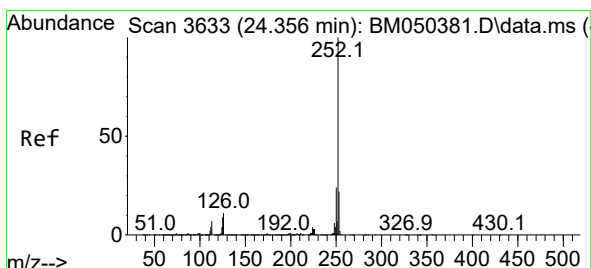
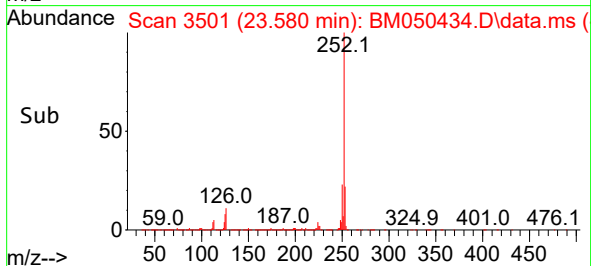
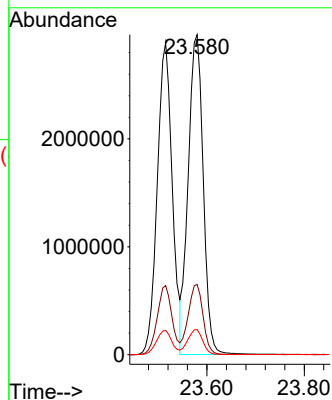
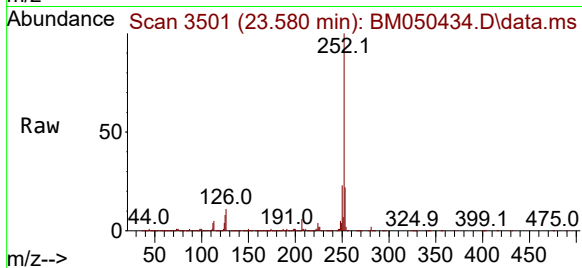
Tgt Ion:252 Resp: 6340126

Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

125 7.9 6.2 9.2



#90

Benzo(a)pyrene

Concen: 58.344 ng

RT: 24.327 min Scan# 3628

Delta R.T. -0.029 min

Lab File: BM050434.D

Acq: 14 Jul 2025 20:14

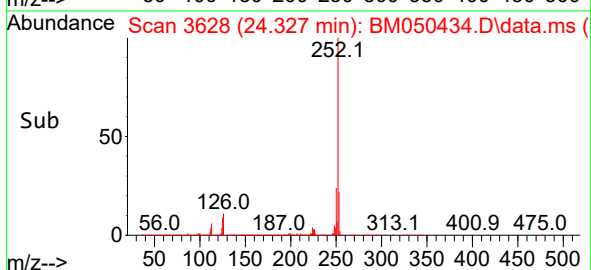
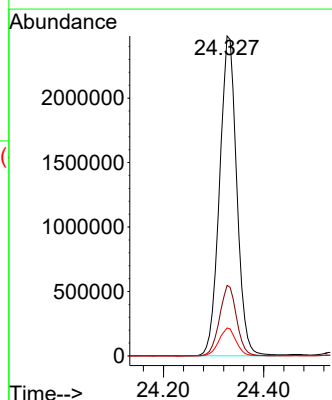
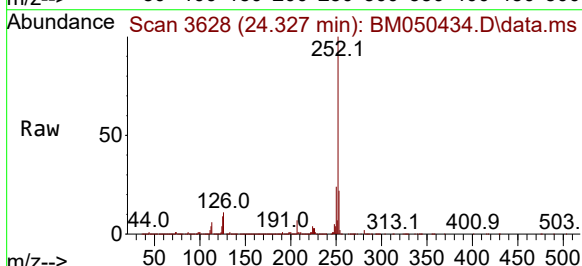
Tgt Ion:252 Resp: 5906944

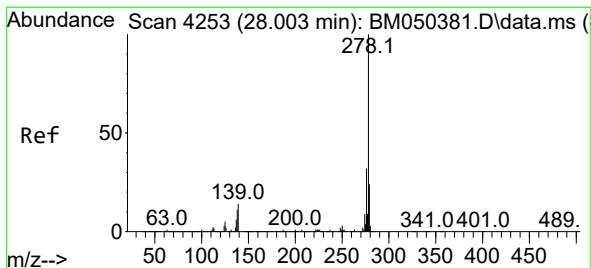
Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

125 8.7 7.0 10.4





#91

Dibenzo(a,h)anthracene

Concen: 57.162 ng

RT: 27.962 min Scan# 41

Delta R.T. -0.041 min

Lab File: BM050434.D

Acq: 14 Jul 2025 20:14

Instrument :

BNA_M

ClientSampleId :

PB168816BS

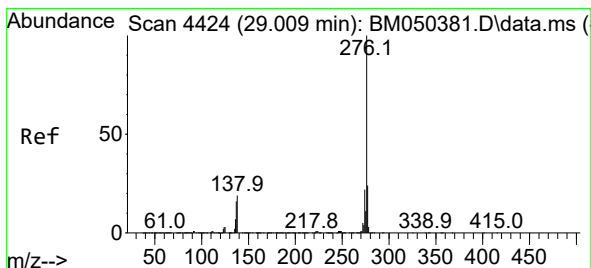
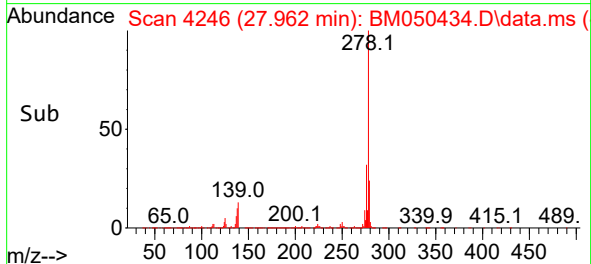
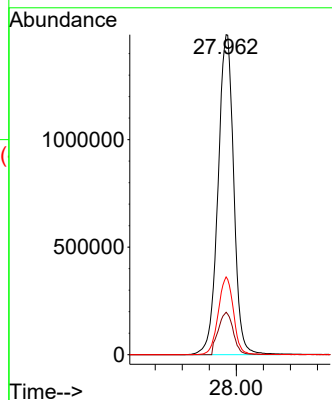
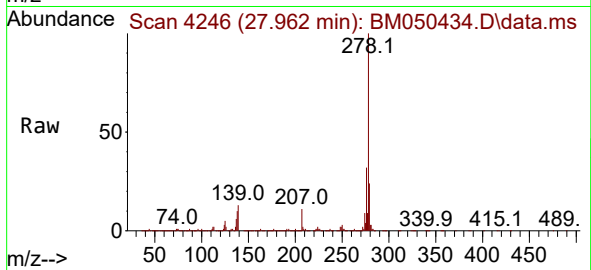
Tgt Ion:278 Resp: 6018299

Ion Ratio Lower Upper

278 100

139 13.3 10.8 16.2

279 24.3 19.4 29.0



#92

Benzo(g,h,i)perylene

Concen: 57.019 ng

RT: 28.974 min Scan# 4418

Delta R.T. -0.035 min

Lab File: BM050434.D

Acq: 14 Jul 2025 20:14

Tgt Ion:276 Resp: 5673690

Ion Ratio Lower Upper

276 100

277 23.8 19.1 28.7

138 17.8 14.9 22.3

