

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071025\
 Data File : BM050399.D
 Acq On : 10 Jul 2025 21:19
 Operator : RC/JU
 Sample : Q2489-01MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 G4(0-6)MSD

Quant Time: Jul 11 01:27:51 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	645641	20.000	ng	0.00
21) Naphthalene-d8	10.657	136	2513039	20.000	ng	0.00
39) Acenaphthene-d10	14.492	164	1690896	20.000	ng	0.00
64) Phenanthrene-d10	17.227	188	3428124	20.000	ng	0.00
76) Chrysene-d12	21.456	240	3638748	20.000	ng	0.00
86) Perylene-d12	24.492	264	2931501	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	2430745	64.805	ng	0.00
7) Phenol-d6	7.022	99	1965297	41.564	ng	0.00
23) Nitrobenzene-d5	9.016	82	4187772	85.017	ng	0.00
42) 2,4,6-Tribromophenol	15.975	330	3568789	173.710	ng	0.00
45) 2-Fluorobiphenyl	13.122	172	11110733	81.146	ng	0.00
79) Terphenyl-d14	19.833	244	14333349	69.307	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.334	88	258411	16.754	ng	99
3) Pyridine	3.728	79	648476	16.015	ng	99
4) n-Nitrosodimethylamine	3.640	42	365054	19.338	ng	98
6) Aniline	7.187	93	1676022	27.620	ng	98
8) 2-Chlorophenol	7.428	128	1511261	38.210	ng	98
9) Benzaldehyde	6.999	77	1060243	37.695	ng	98
10) Phenol	7.046	94	719123	14.582	ng	99
11) bis(2-Chloroethyl)ether	7.281	93	1683713	42.630	ng	99
12) 1,3-Dichlorobenzene	7.752	146	1220980	25.388	ng	97
13) 1,4-Dichlorobenzene	7.899	146	1281952	26.105	ng	99
14) 1,2-Dichlorobenzene	8.216	146	1290177	27.443	ng	98
15) Benzyl Alcohol	8.099	79	1117495	33.543	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.393	45	2255371	38.768	ng	99
17) 2-Methylphenol	8.299	107	1067482	33.373	ng	99
18) Hexachloroethane	8.946	117	420128	24.326	ng	99
19) n-Nitroso-di-n-propyla...	8.669	70	1395412	48.715	ng	96
20) 3+4-Methylphenols	8.628	107	1308329	30.469	ng	99
22) Acetophenone	8.681	105	2784928	44.323	ng	98
24) Nitrobenzene	9.057	77	1902404	43.280	ng	98
25) Isophorone	9.593	82	3931693	49.190	ng	100
26) 2-Nitrophenol	9.769	139	925486	51.661	ng	98
27) 2,4-Dimethylphenol	9.834	122	1669361	43.792	ng	97
28) bis(2-Chloroethoxy)met...	10.069	93	2465528	46.551	ng	99
29) 2,4-Dichlorophenol	10.304	162	1847204	47.167	ng	98
30) 1,2,4-Trichlorobenzene	10.522	180	1626857	34.725	ng	99
31) Naphthalene	10.710	128	4911664	38.479	ng	100
32) Benzoic acid	9.928	122	372738	19.921	ng	99
33) 4-Chloroaniline	10.810	127	1574122	29.170	ng	99
34) Hexachlorobutadiene	11.004	225	859976	30.075	ng	100
35) Caprolactam	11.592	113	55464	5.188	ng	92
36) 4-Chloro-3-methylphenol	11.928	107	1717558	46.965	ng	99
37) 2-Methylnaphthalene	12.316	142	3675578	45.605	ng	99
38) 1-Methylnaphthalene	12.539	142	3889330	45.599	ng	100
40) 1,2,4,5-Tetrachloroben...	12.686	216	2475018	46.028	ng	99
41) Hexachlorocyclopentadiene	12.675	237	2530837	73.631	ng	98
43) 2,4,6-Trichlorophenol	12.922	196	1729563	52.254	ng	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.992	196	1912943	52.920	ng	97
46) 1,1'-Biphenyl	13.328	154	5772261	46.011	ng	100
47) 2-Chloronaphthalene	13.369	162	4481421	44.803	ng	99
48) 2-Nitroaniline	13.563	65	1274902	57.102	ng	96
49) Acenaphthylene	14.216	152	7372667	48.772	ng	99
50) Dimethylphthalate	13.951	163	6286468	54.001	ng	100
51) 2,6-Dinitrotoluene	14.063	165	1268589	56.755	ng	95
52) Acenaphthene	14.557	154	4544049	47.282	ng	99
53) 3-Nitroaniline	14.386	138	897806	37.769	ng	100
54) 2,4-Dinitrophenol	14.592	184	1549911	122.005	ng	# 83
55) Dibenzofuran	14.892	168	7183271	48.510	ng	99
56) 4-Nitrophenol	14.686	139	852319	41.694	ng	93
57) 2,4-Dinitrotoluene	14.845	165	1841416	54.633	ng	97
58) Fluorene	15.539	166	6328568	51.887	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.110	232	1716296	56.403	ng	97
60) Diethylphthalate	15.316	149	5958280	53.580	ng	99
61) 4-Chlorophenyl-phenyle...	15.533	204	3366312	52.783	ng	97
62) 4-Nitroaniline	15.551	138	1358822	49.630	ng	99
63) Azobenzene	15.827	77	5409548	52.977	ng	98
65) 4,6-Dinitro-2-methylph...	15.610	198	1027165	54.709	ng	90
66) n-Nitrosodiphenylamine	15.745	169	5375650	50.113	ng	99
67) 4-Bromophenyl-phenylether	16.422	248	2026616	53.657	ng	99
68) Hexachlorobenzene	16.539	284	2344042	52.546	ng	95
69) Atrazine	16.692	200	1988943	56.465	ng	99
70) Pentachlorophenol	16.874	266	3433135	123.628	ng	99
71) Phenanthrene	17.269	178	9770715	50.369	ng	99
72) Anthracene	17.363	178	10005154	51.816	ng	99
73) Carbazole	17.621	167	9184441	52.569	ng	99
74) Di-n-butylphthalate	18.198	149	10706631	55.988	ng	99
75) Fluoranthene	19.274	202	11570903	54.869	ng	96
77) Benzidine	19.457	184	5746638	61.917	ng	100
78) Pyrene	19.633	202	11815883	50.702	ng	96
80) Butylbenzylphthalate	20.533	149	4858243	63.224	ng	98
81) Benzo(a)anthracene	21.433	228	12415055	52.364	ng	99
82) 3,3'-Dichlorobenzidine	21.357	252	3867860	48.376	ng	99
83) Chrysene	21.498	228	11438735	51.151	ng	99
84) Bis(2-ethylhexyl)phtha...	21.368	149	7416555	60.799	ng	# 95
85) Di-n-octyl phthalate	22.515	149	12068422	63.168	ng	97
87) Indeno(1,2,3-cd)pyrene	27.933	276	9316457	44.699	ng	# 94
88) Benzo(b)fluoranthene	23.533	252	10479789	58.119	ng	99
89) Benzo(k)fluoranthene	23.598	252	10473836	55.979	ng	100
90) Benzo(a)pyrene	24.350	252	9248624	54.792	ng	99
91) Dibenzo(a,h)anthracene	27.997	278	7905464	45.037	ng	99
92) Benzo(g,h,i)perylene	29.003	276	7090463	42.740	ng	99

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

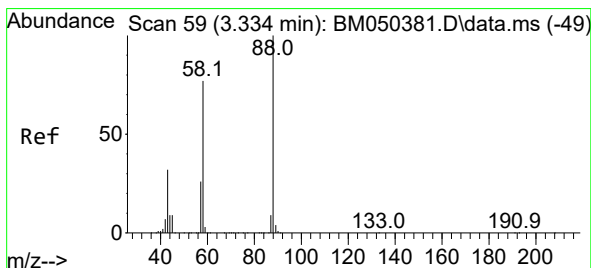
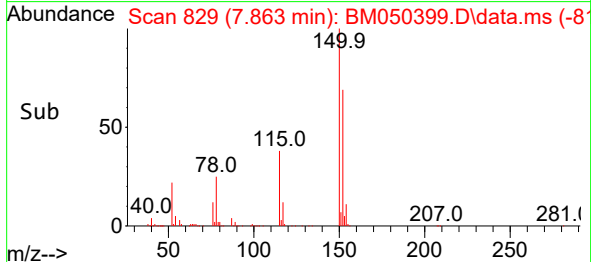
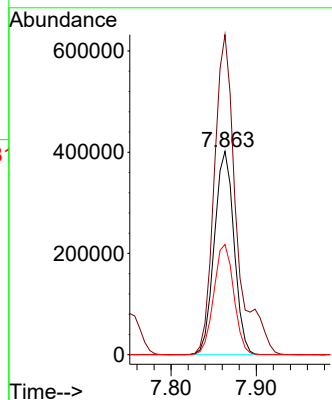
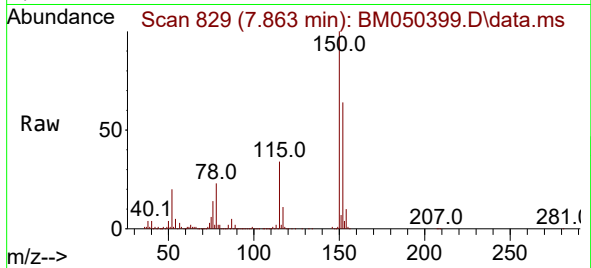

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Operator  : RC/JU  
Sample    : Q2489-01MSD  
Misc      :  
ALS Vial  : 13      Sample Multiplier: 1
```



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.863 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BM050399.D
 Acq: 10 Jul 2025 21:19

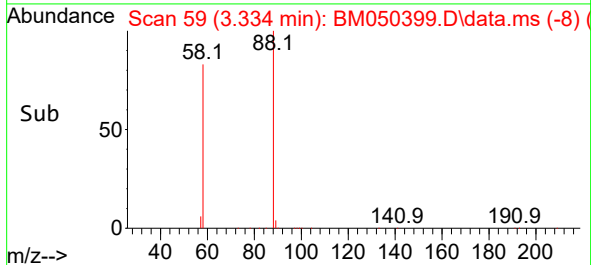
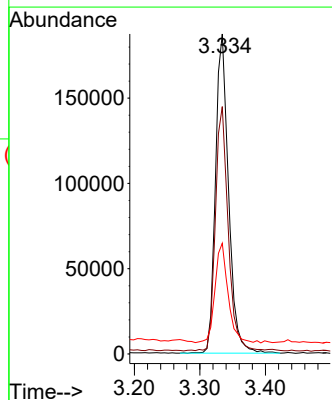
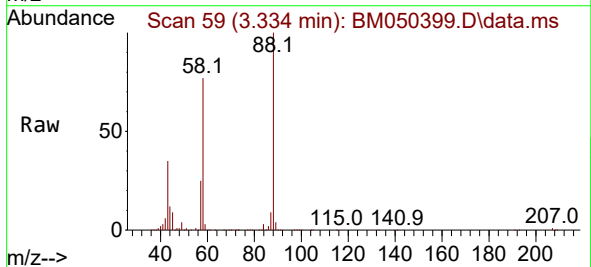
Instrument :
 BNA_M
 ClientSampleId :
 G4(0-6)MSD

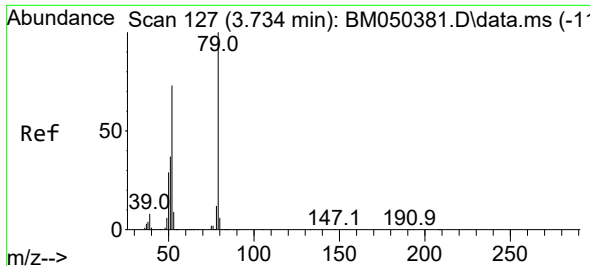
Tgt Ion:152 Resp: 645641
 Ion Ratio Lower Upper
 152 100
 150 157.4 126.2 189.4
 115 54.3 45.8 68.8



#2
 1,4-Dioxane
 Concen: 16.754 ng
 RT: 3.334 min Scan# 59
 Delta R.T. 0.000 min
 Lab File: BM050399.D
 Acq: 10 Jul 2025 21:19

Tgt Ion: 88 Resp: 258411
 Ion Ratio Lower Upper
 88 100
 58 75.2 61.0 91.6
 43 31.1 24.6 37.0

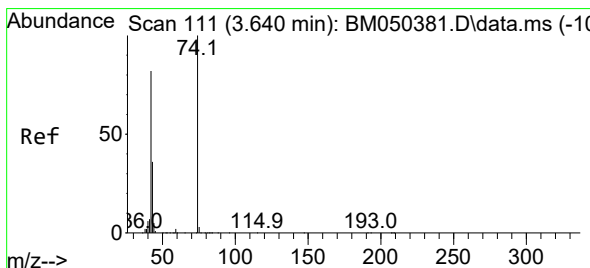
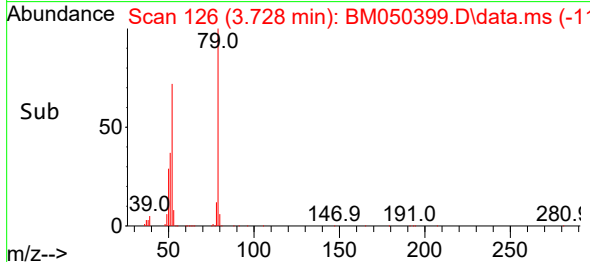
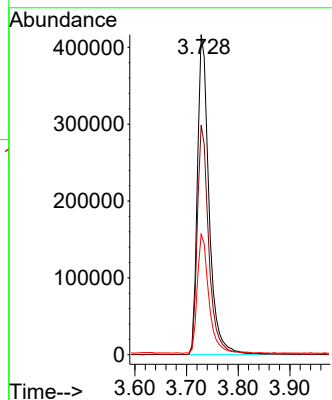
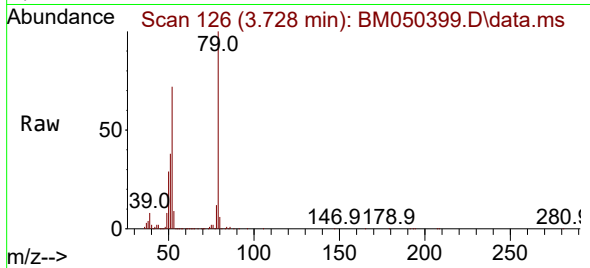




#3
 Pyridine
 Concen: 16.015 ng
 RT: 3.728 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BM050399.D
 Acq: 10 Jul 2025 21:19

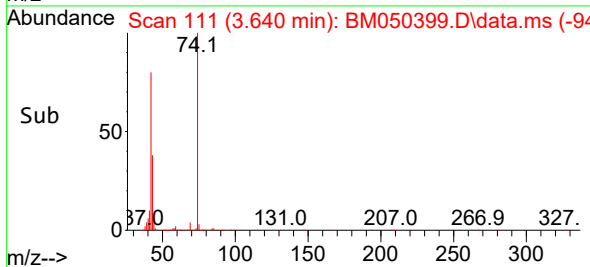
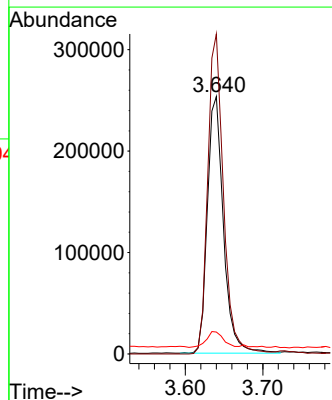
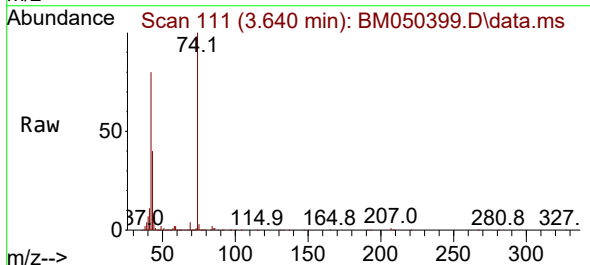
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 ClientSampleId :
 G4(0-6)MSD

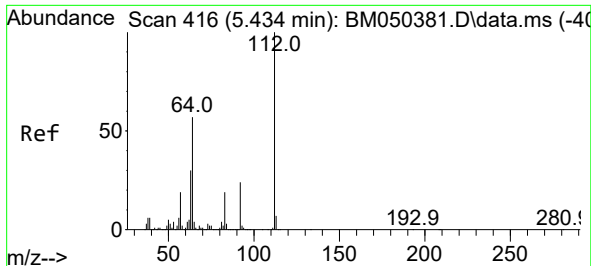
Tgt Ion: 79 Resp: 648476
 Ion Ratio Lower Upper
 79 100
 52 71.7 58.3 87.5
 51 37.6 29.6 44.4



#4
 n-Nitrosodimethylamine
 Concen: 19.338 ng
 RT: 3.640 min Scan# 111
 Delta R.T. 0.000 min
 Lab File: BM050399.D
 Acq: 10 Jul 2025 21:19

Tgt Ion: 42 Resp: 365054
 Ion Ratio Lower Upper
 42 100
 74 124.3 97.5 146.3
 44 8.5 5.7 8.5

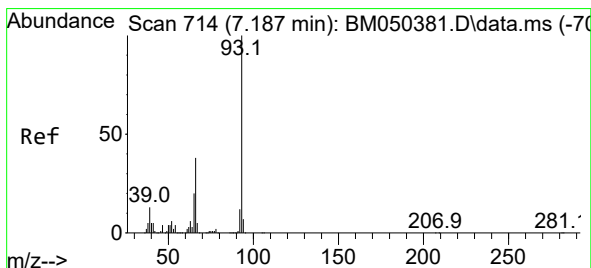
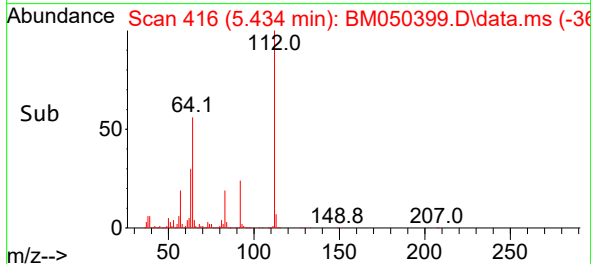
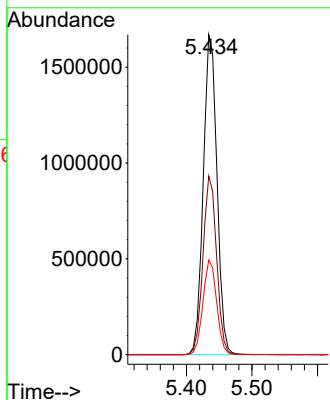
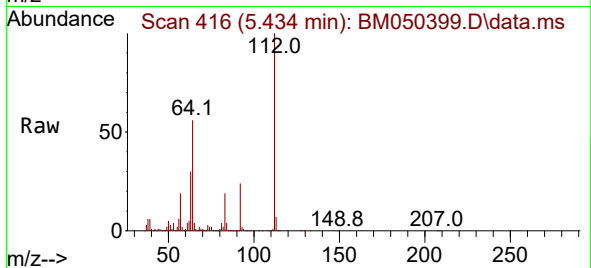




#5
2-Fluorophenol
Concen: 64.805 ng
RT: 5.434 min Scan# 416
Delta R.T. 0.000 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

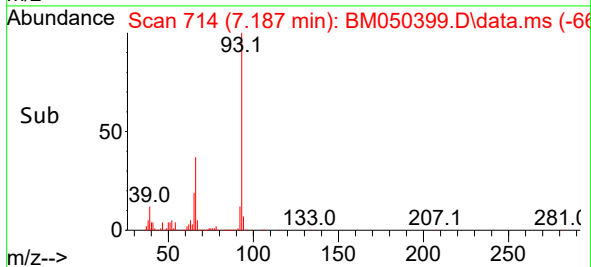
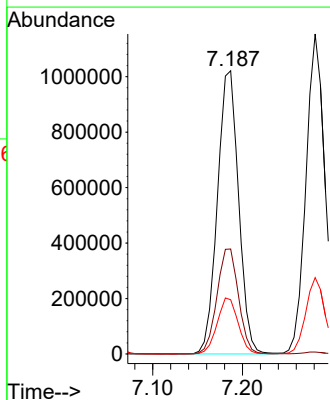
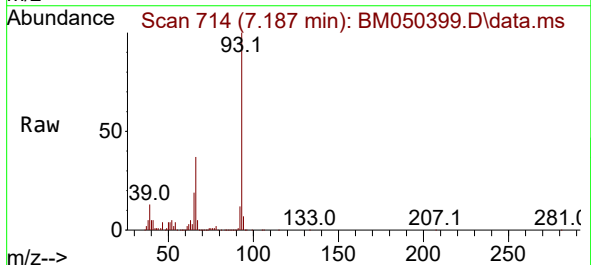
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ClientSampleId :
G4(0-6)MSD

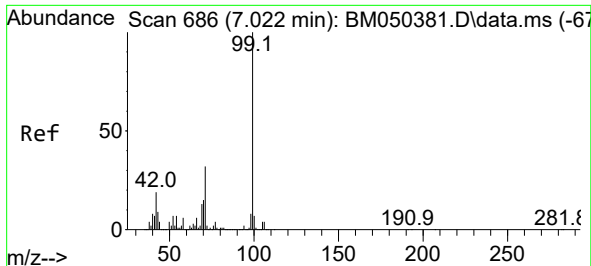
Tgt Ion:112 Resp: 2430745
Ion Ratio Lower Upper
112 100
64 55.8 45.5 68.3
63 29.5 24.2 36.4



#6
Aniline
Concen: 27.620 ng
RT: 7.187 min Scan# 714
Delta R.T. 0.000 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

Tgt Ion: 93 Resp: 1676022
Ion Ratio Lower Upper
93 100
66 37.1 30.5 45.7
65 19.2 15.9 23.9

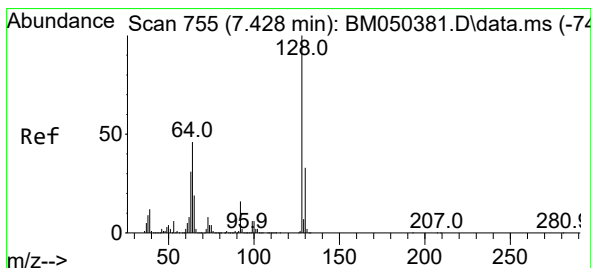
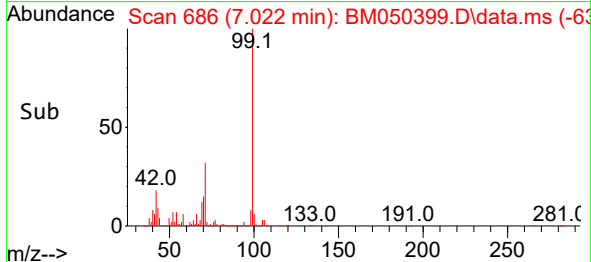
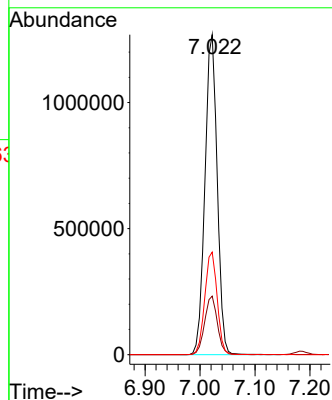
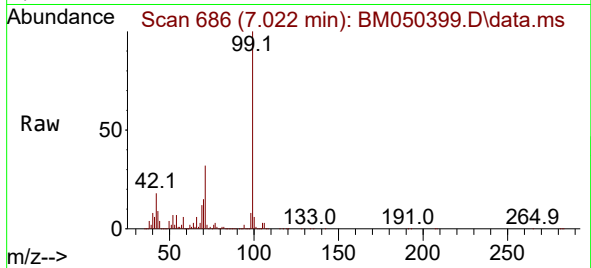




#7
Phenol-d6
Concen: 41.564 ng
RT: 7.022 min Scan# 686
Delta R.T. 0.000 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

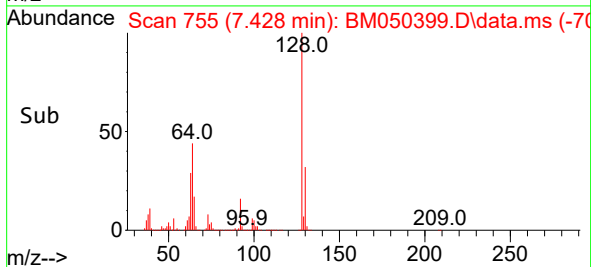
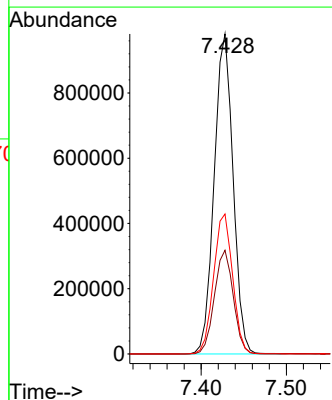
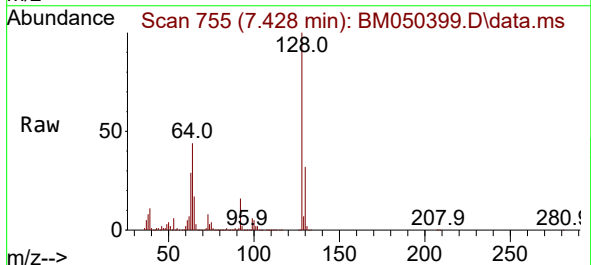
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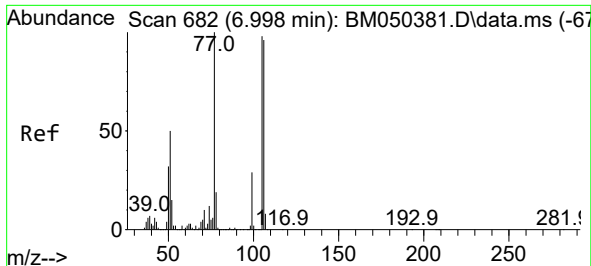
Tgt Ion: 99 Resp: 1965297
Ion Ratio Lower Upper
99 100
42 18.3 15.0 22.6
71 32.1 25.9 38.9



#8
2-Chlorophenol
Concen: 38.210 ng
RT: 7.428 min Scan# 755
Delta R.T. 0.000 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

Tgt Ion: 128 Resp: 1511261
Ion Ratio Lower Upper
128 100
130 32.4 13.3 53.3
64 43.8 25.6 65.6

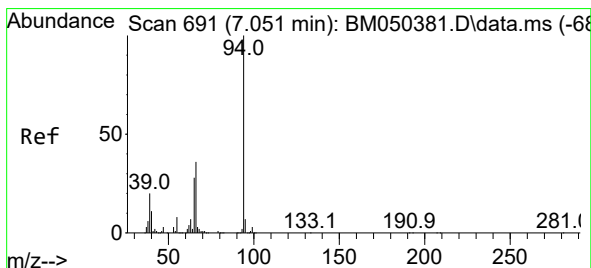
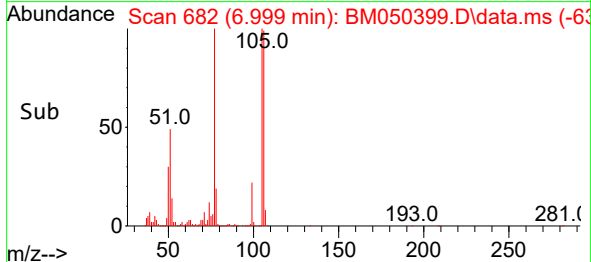
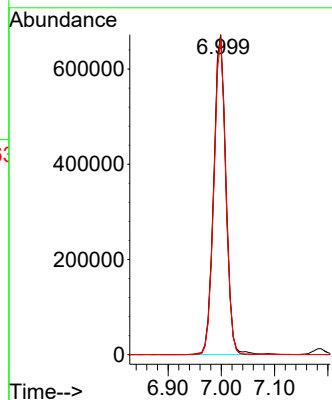
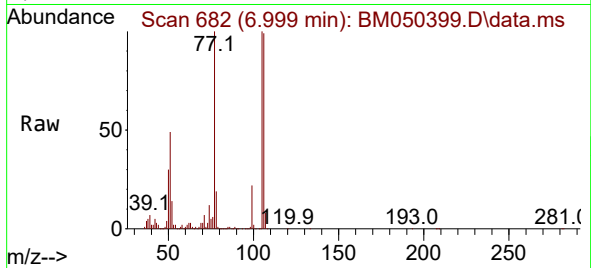




#9
Benzaldehyde
Concen: 37.695 ng
RT: 6.999 min Scan# 61
Delta R.T. 0.001 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

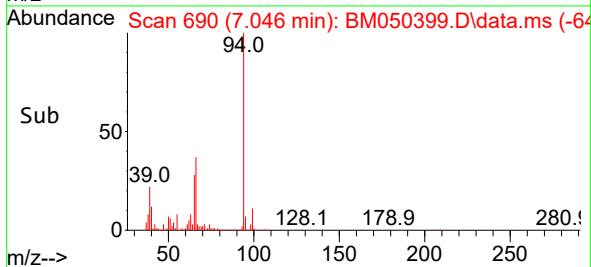
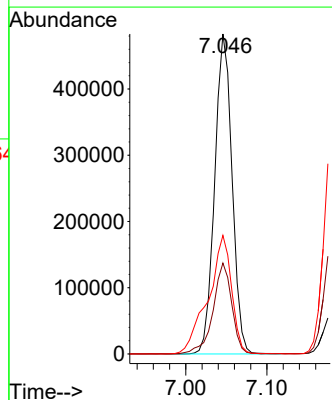
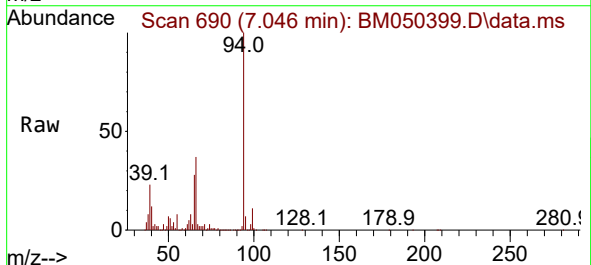
Instrument :
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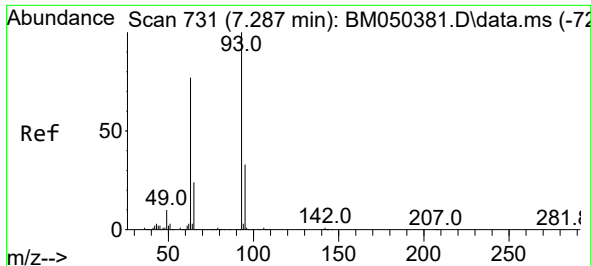
Tgt Ion: 77 Resp: 1060243
Ion Ratio Lower Upper
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105 99.9 78.4 118.4
106 98.6 76.3 116.3



#10
Phenol
Concen: 14.582 ng
RT: 7.046 min Scan# 690
Delta R.T. -0.006 min
Lab File: BM050399.D
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Tgt Ion: 94 Resp: 719123
Ion Ratio Lower Upper
94 100
65 28.4 8.1 48.1
66 37.0 15.8 55.8

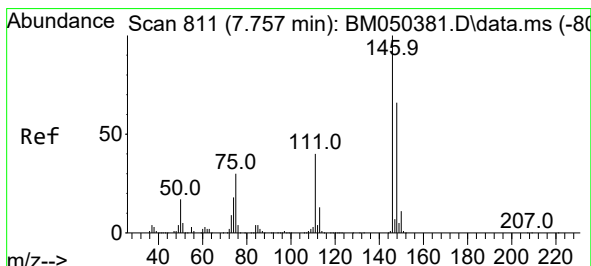
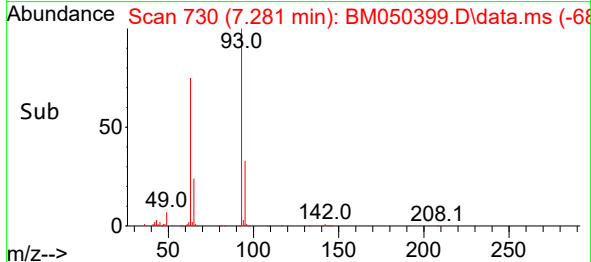
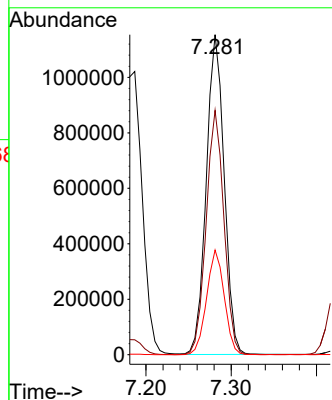
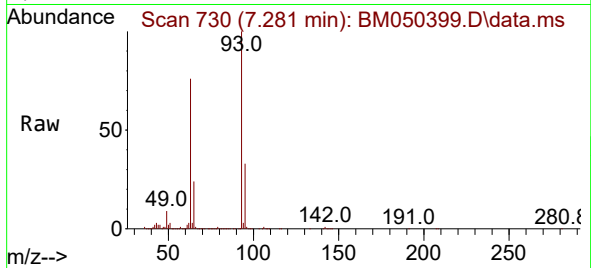




#11
bis(2-Chloroethyl)ether
Concen: 42.630 ng
RT: 7.281 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

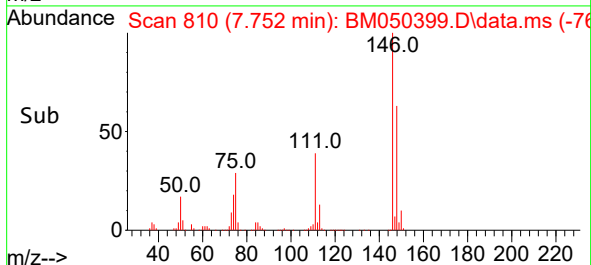
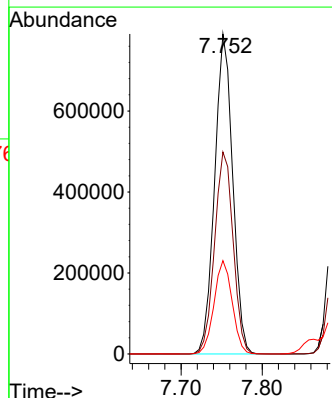
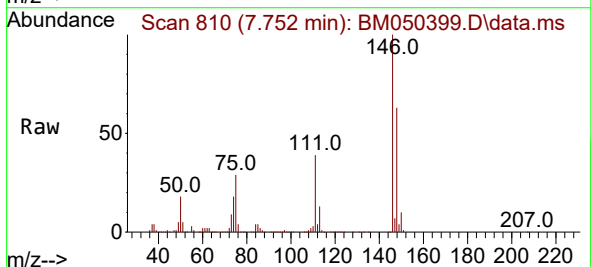
Instrument :
BNA_M
ClientSampleId :
G4(0-6)MSD

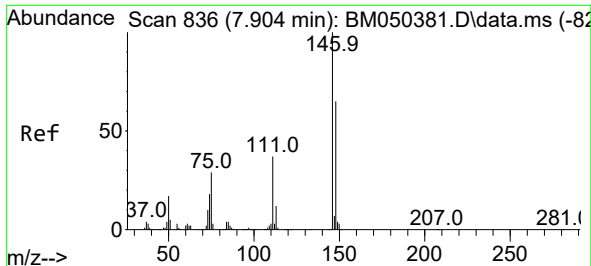
Tgt Ion: 93 Resp: 1683713
Ion Ratio Lower Upper
93 100
63 76.3 56.9 96.9
95 32.7 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 25.388 ng
RT: 7.752 min Scan# 810
Delta R.T. -0.006 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

Tgt Ion:146 Resp: 1220980
Ion Ratio Lower Upper
146 100
148 63.1 53.2 79.8
75 29.1 23.9 35.9

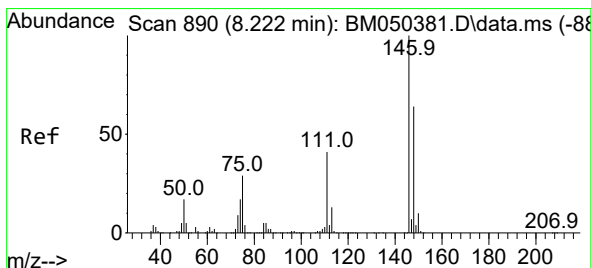
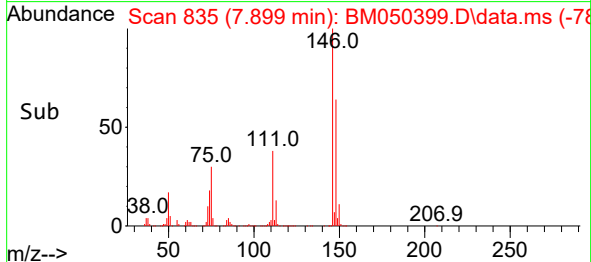
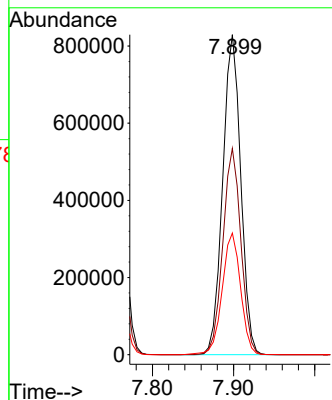
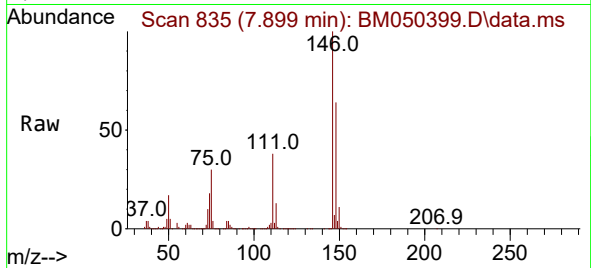




#13
1,4-Dichlorobenzene
Concen: 26.105 ng
RT: 7.899 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

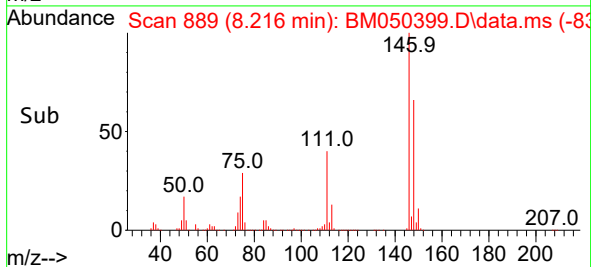
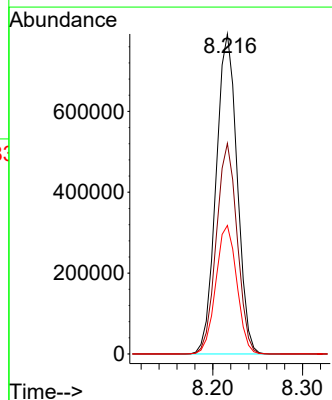
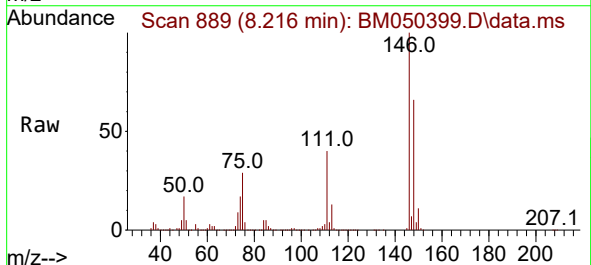
Instrument :
BNA_M
ClientSampleId :
G4(0-6)MSD

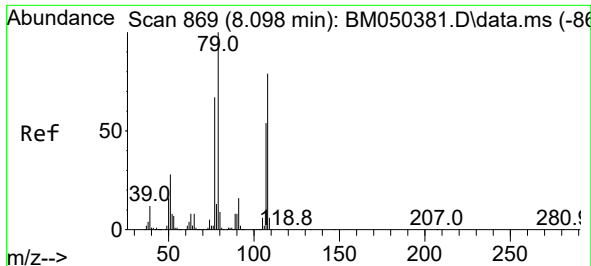
Tgt Ion:146 Resp: 1281952
Ion Ratio Lower Upper
146 100
148 64.4 51.9 77.9
111 38.0 30.0 45.0



#14
1,2-Dichlorobenzene
Concen: 27.443 ng
RT: 8.216 min Scan# 889
Delta R.T. -0.006 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

Tgt Ion:146 Resp: 1290177
Ion Ratio Lower Upper
146 100
148 65.8 51.5 77.3
111 40.1 32.6 49.0

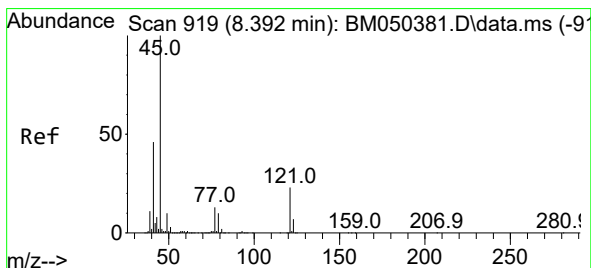
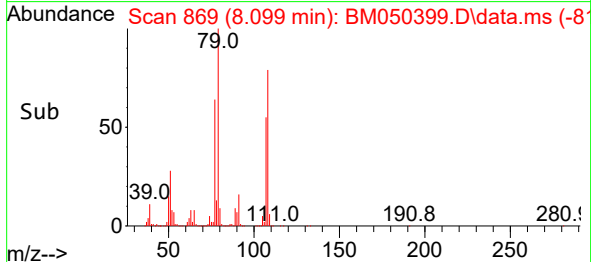
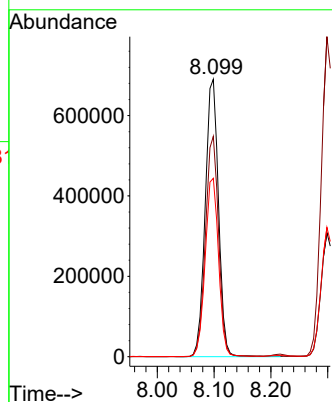
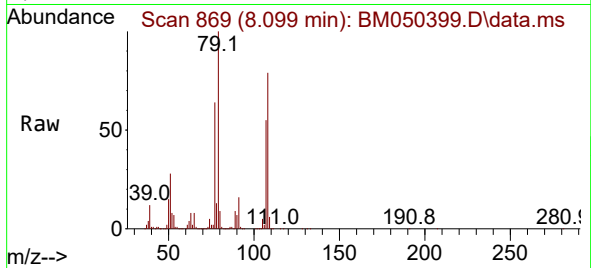




#15
Benzyl Alcohol
Concen: 33.543 ng
RT: 8.099 min Scan# 869
Delta R.T. 0.000 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

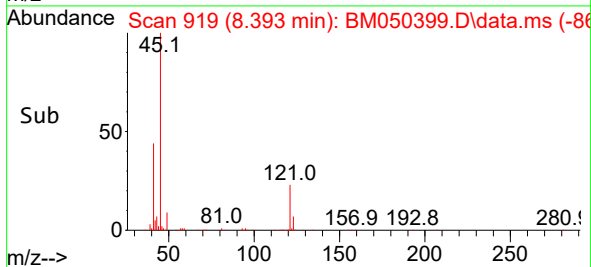
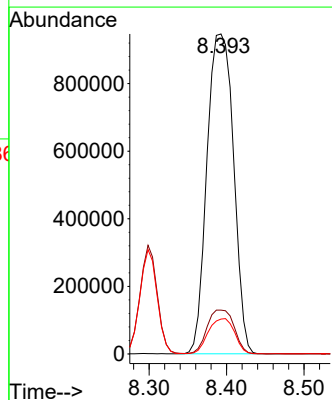
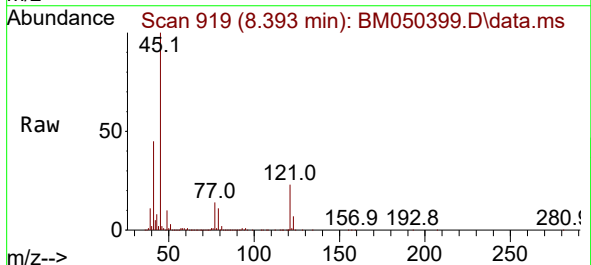
Instrument :
BNA_M
ClientSampleId :
G4(0-6)MSD

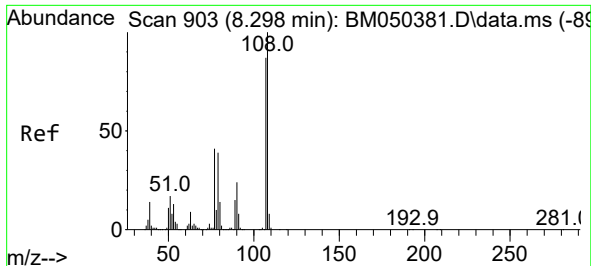
Tgt Ion: 79 Resp: 1117495
Ion Ratio Lower Upper
79 100
108 79.4 63.0 94.4
77 64.3 53.4 80.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.768 ng
RT: 8.393 min Scan# 919
Delta R.T. 0.000 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

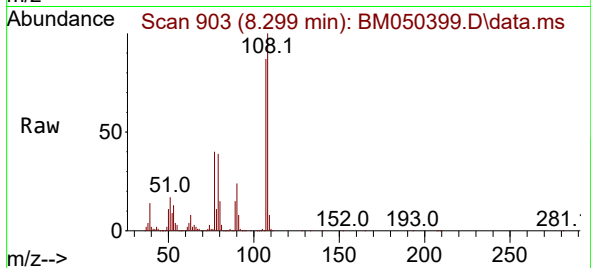
Tgt Ion: 45 Resp: 2255371
Ion Ratio Lower Upper
45 100
77 13.7 0.0 33.5
79 10.9 0.0 30.3





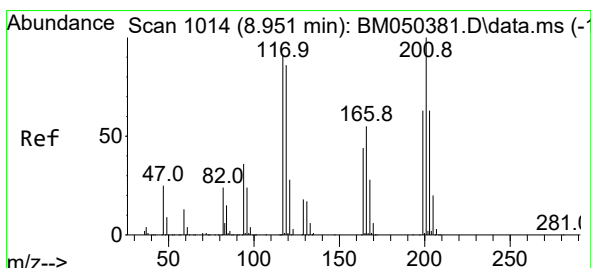
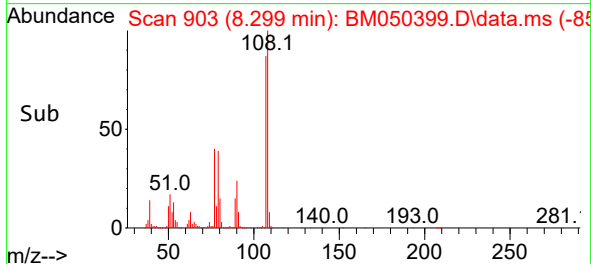
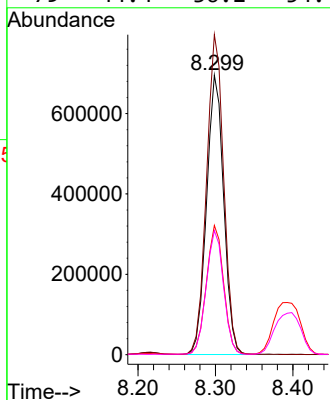
#17
2-Methylphenol
Concen: 33.373 ng
RT: 8.299 min Scan# 90
Delta R.T. 0.000 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

Instrument :
BNA_M
ClientSampleId :
G4(0-6)MSD



Tgt Ion:107 Resp: 1067482

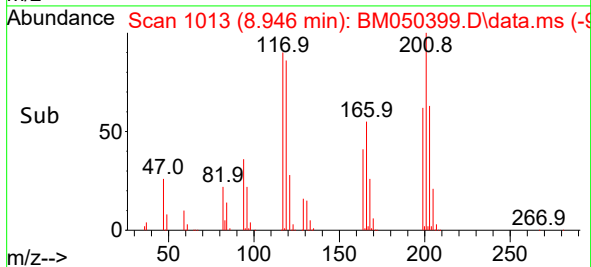
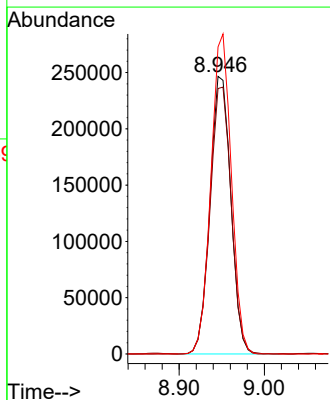
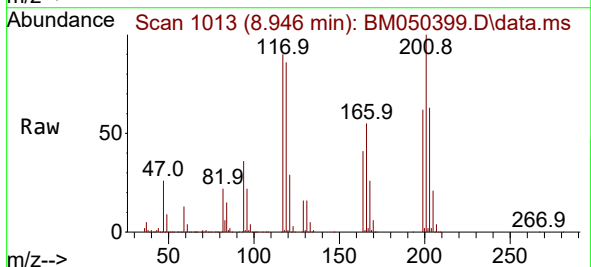
Ion	Ratio	Lower	Upper
107	100		
108	114.5	92.1	138.1
77	46.2	38.2	57.4
79	44.4	36.2	54.4

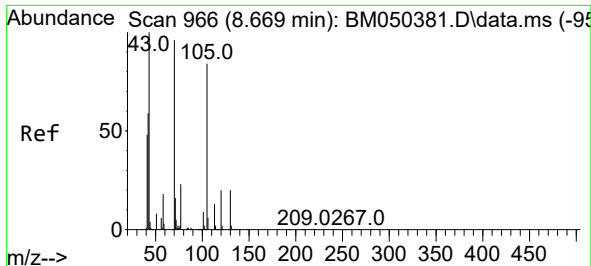


#18
Hexachloroethane
Concen: 24.326 ng
RT: 8.946 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

Tgt Ion:117 Resp: 420128

Ion	Ratio	Lower	Upper
117	100		
119	95.6	75.6	113.4
201	110.6	87.9	131.9

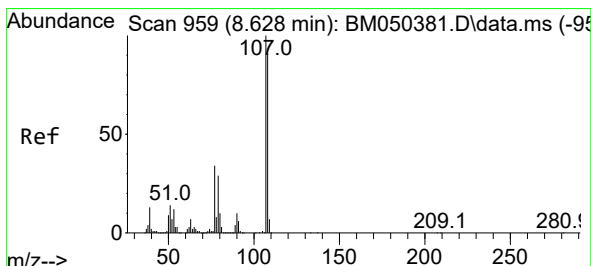
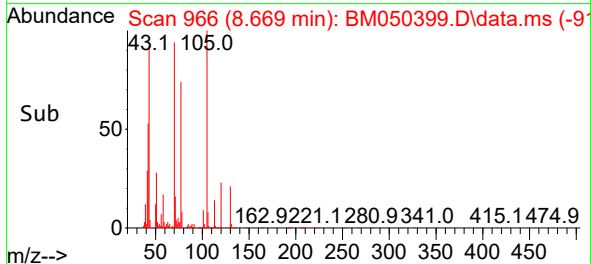
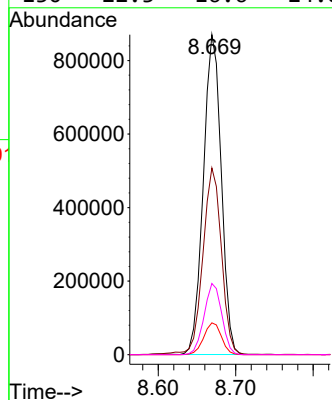
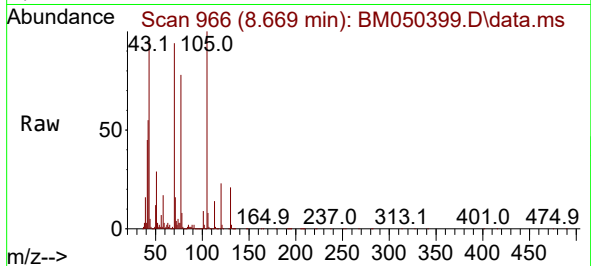




#19
n-Nitroso-di-n-propylamine
Concen: 48.715 ng
RT: 8.669 min Scan# 966
Delta R.T. 0.000 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

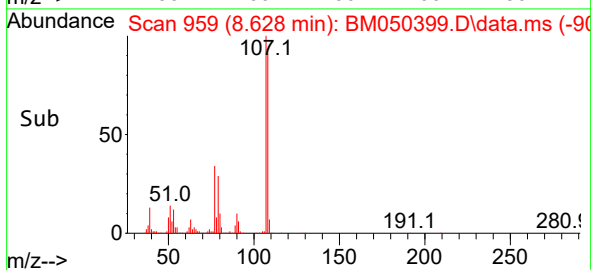
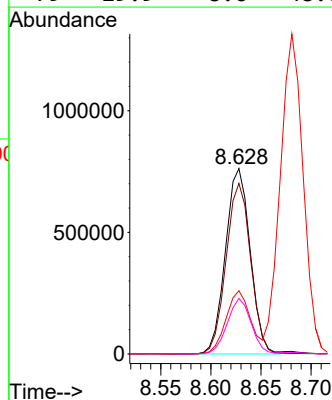
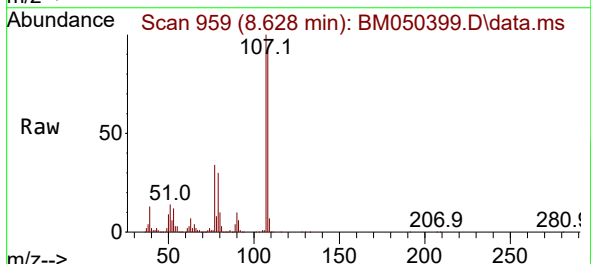
Instrument :
BNA_M
ClientSampleId :
G4(0-6)MSD

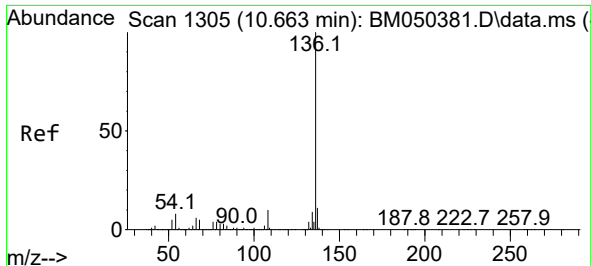
Tgt Ion: 70 Resp: 1395412
Ion Ratio Lower Upper
70 100
42 58.4 49.7 74.5
101 10.0 7.7 11.5
130 22.3 16.6 24.8



#20
3+4-Methylphenols
Concen: 30.469 ng
RT: 8.628 min Scan# 959
Delta R.T. 0.000 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

Tgt Ion: 107 Resp: 1308329
Ion Ratio Lower Upper
107 100
108 92.0 71.5 111.5
77 34.1 13.7 53.7
79 29.9 8.6 48.6

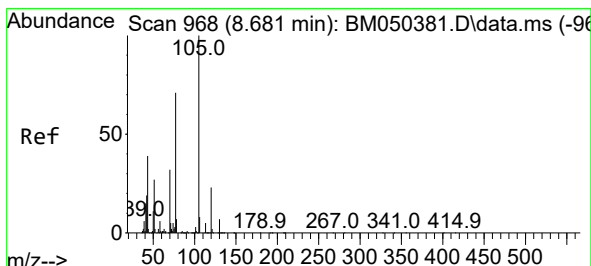
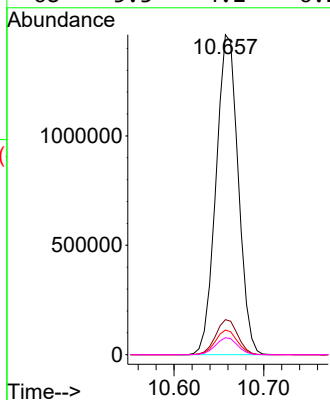
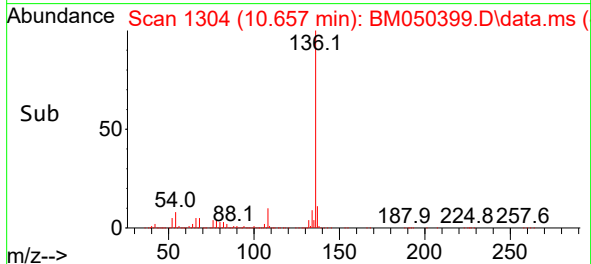
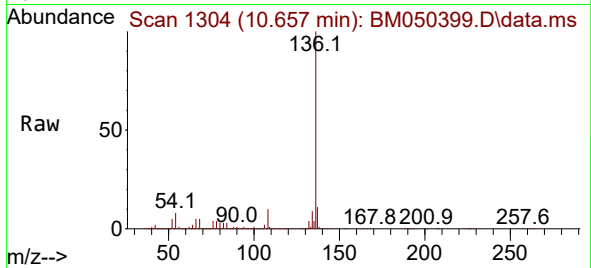




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.657 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

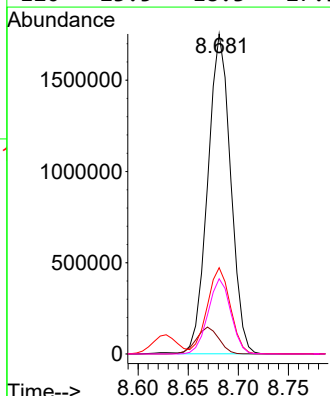
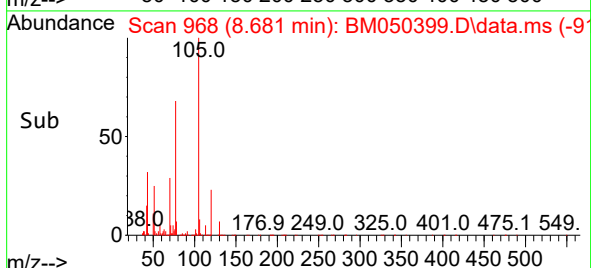
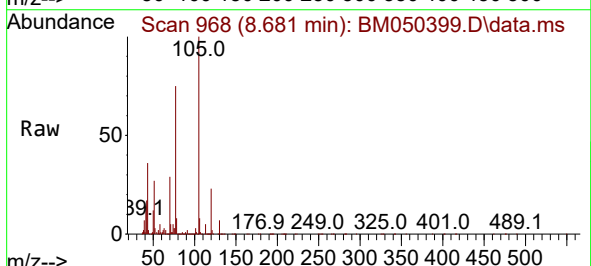
Instrument :
BNA_M
ClientSampleId :
G4(0-6)MSD

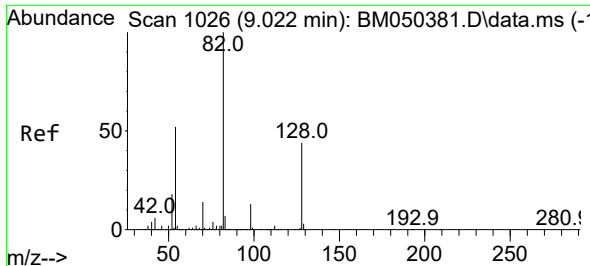
Tgt Ion:136 Resp: 2513039
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.7 6.3 9.5
68 5.3 4.2 6.2



#22
Acetophenone
Concen: 44.323 ng
RT: 8.681 min Scan# 968
Delta R.T. 0.000 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

Tgt Ion:105 Resp: 2784928
Ion Ratio Lower Upper
105 100
71 4.7 4.4 6.6
51 26.9 23.0 34.6
120 23.5 18.3 27.5

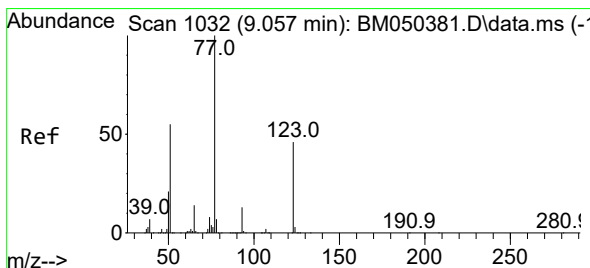
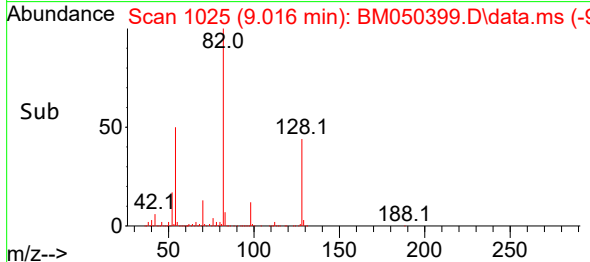
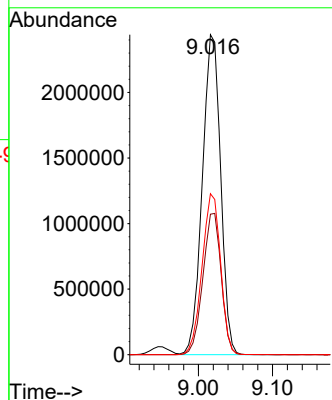
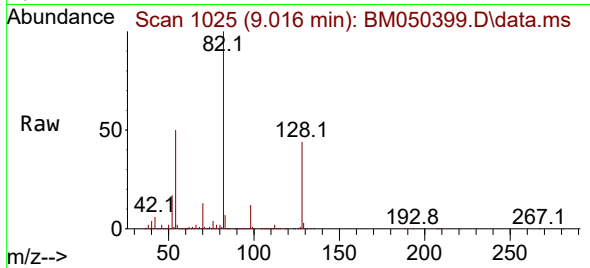




#23
Nitrobenzene-d5
Concen: 85.017 ng
RT: 9.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

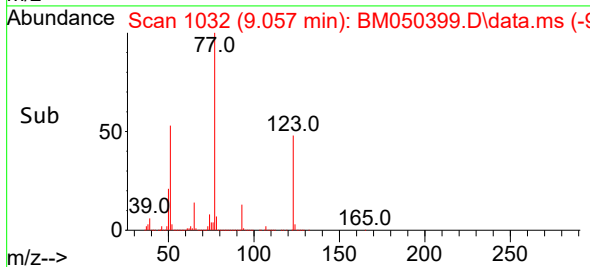
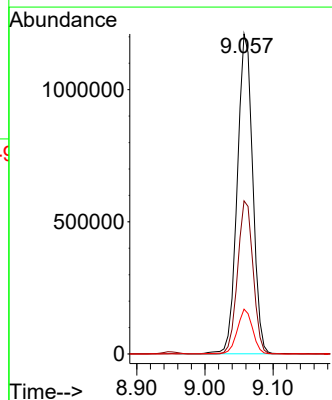
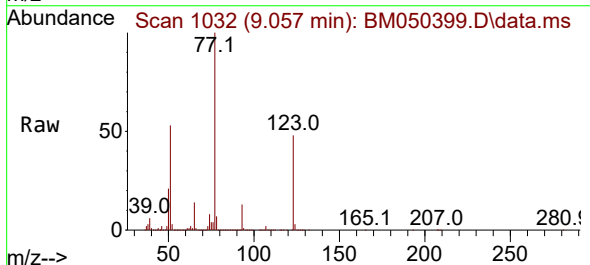
Instrument :
BNA_M
ClientSampleId :
G4(0-6)MSD

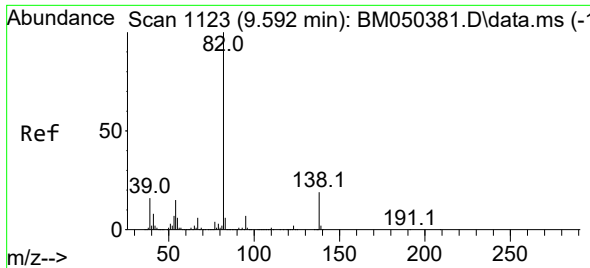
Tgt Ion: 82 Resp: 4187772
Ion Ratio Lower Upper
82 100
128 43.9 35.2 52.8
54 50.3 41.5 62.3



#24
Nitrobenzene
Concen: 43.280 ng
RT: 9.057 min Scan# 1032
Delta R.T. 0.000 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

Tgt Ion: 77 Resp: 1902404
Ion Ratio Lower Upper
77 100
123 47.9 37.0 55.6
65 14.0 11.0 16.4

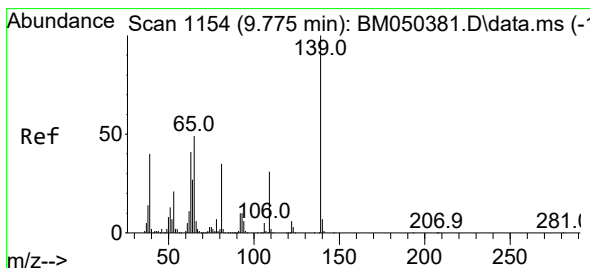
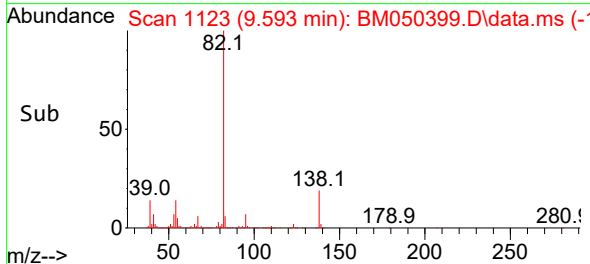
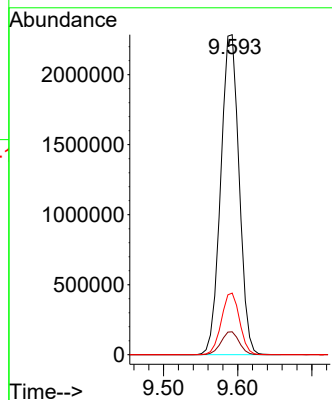
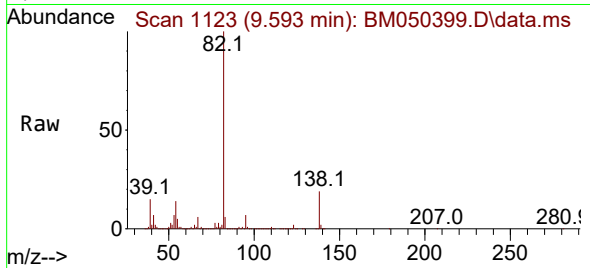




#25
Isophorone
Concen: 49.190 ng
RT: 9.593 min Scan# 1123
Delta R.T. 0.000 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

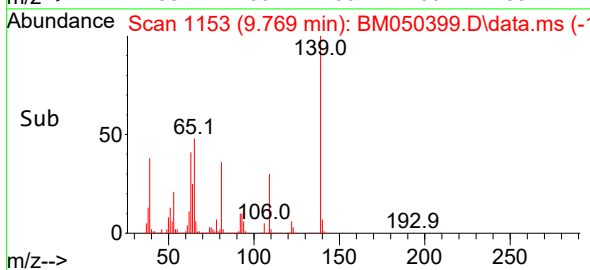
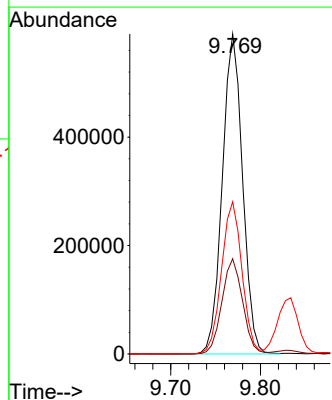
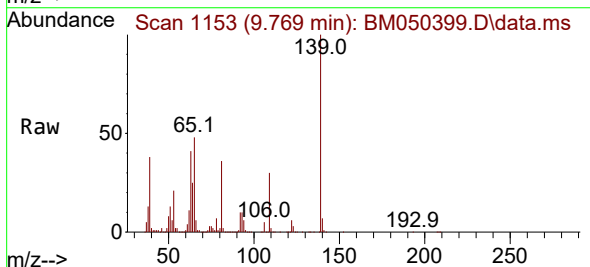
Instrument :
BNA_M
ClientSampleId :
G4(0-6)MSD

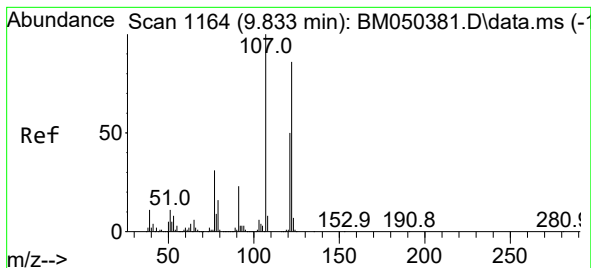
Tgt Ion: 82 Resp: 3931693
Ion Ratio Lower Upper
82 100
95 7.2 5.6 8.4
138 19.3 15.3 22.9



#26
2-Nitrophenol
Concen: 51.661 ng
RT: 9.769 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

Tgt Ion: 139 Resp: 925486
Ion Ratio Lower Upper
139 100
109 29.7 24.6 36.8
65 47.6 39.2 58.8

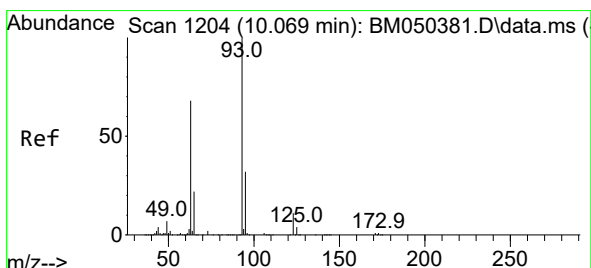
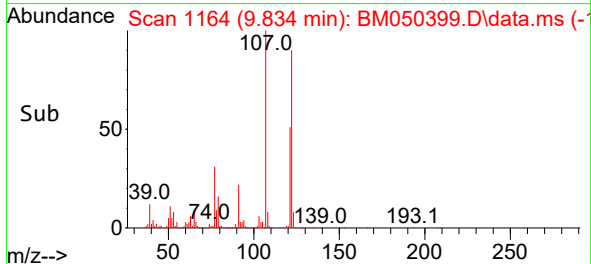
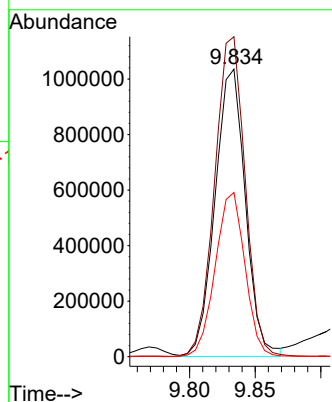
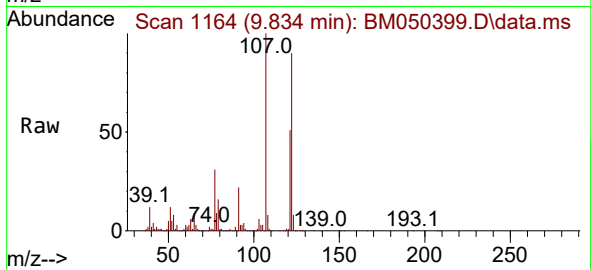




#27
2,4-Dimethylphenol
Concen: 43.792 ng
RT: 9.834 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

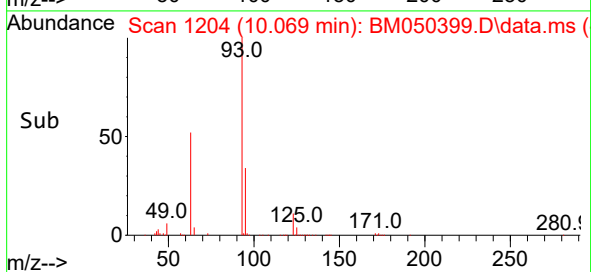
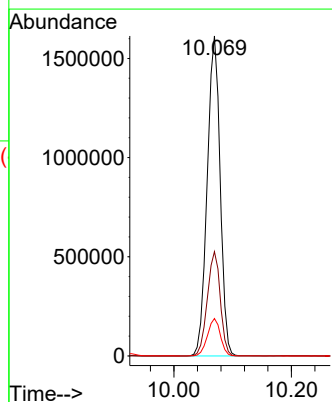
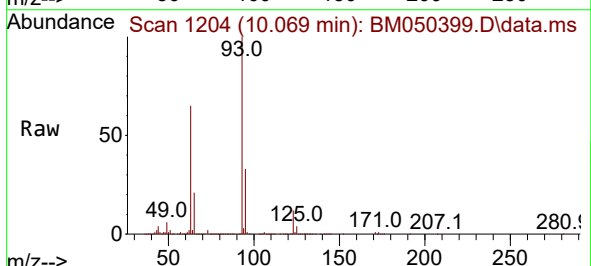
Instrument :
BNA_M
ClientSampleId :
G4(0-6)MSD

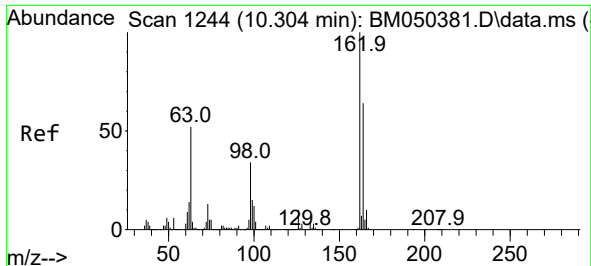
Tgt Ion:122 Resp: 1669361
Ion Ratio Lower Upper
122 100
107 111.3 93.0 139.6
121 57.1 46.1 69.1



#28
bis(2-Chloroethoxy)methane
Concen: 46.551 ng
RT: 10.069 min Scan# 1204
Delta R.T. 0.000 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

Tgt Ion: 93 Resp: 2465528
Ion Ratio Lower Upper
93 100
95 32.6 25.8 38.6
123 11.7 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 47.167 ng

RT: 10.304 min Scan# 11

Delta R.T. 0.000 min

Lab File: BM050399.D

Acq: 10 Jul 2025 21:19

Instrument :

BNA_M

ClientSampleId :

G4(0-6)MSD

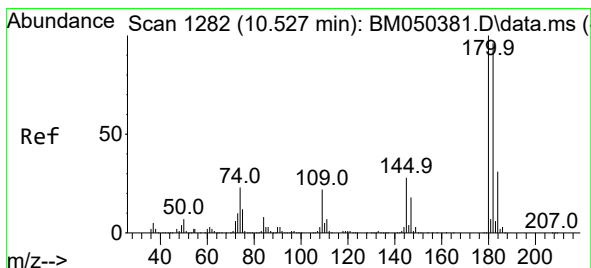
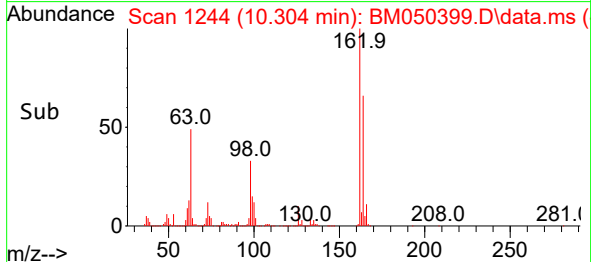
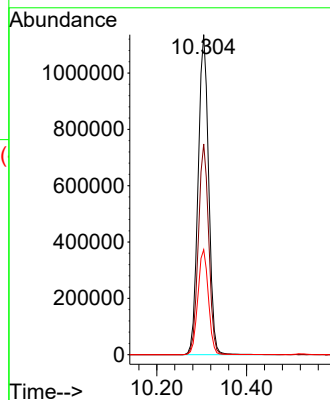
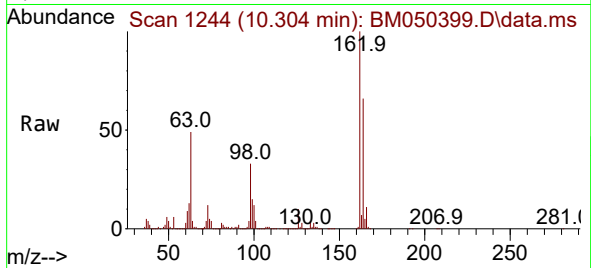
Tgt Ion:162 Resp: 1847204

Ion Ratio Lower Upper

162 100

164 65.8 43.7 83.7

98 32.8 13.7 53.7



#30

1,2,4-Trichlorobenzene

Concen: 34.725 ng

RT: 10.522 min Scan# 1281

Delta R.T. -0.006 min

Lab File: BM050399.D

Acq: 10 Jul 2025 21:19

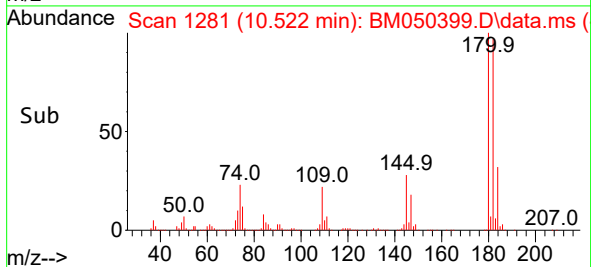
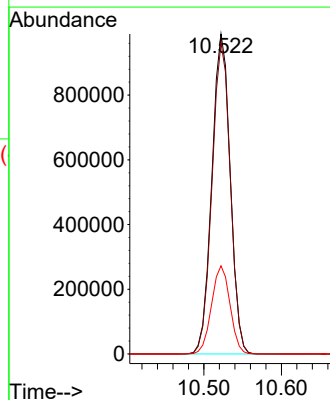
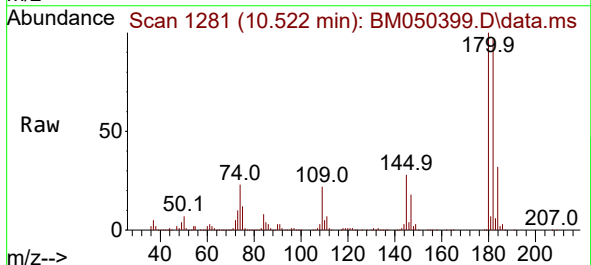
Tgt Ion:180 Resp: 1626857

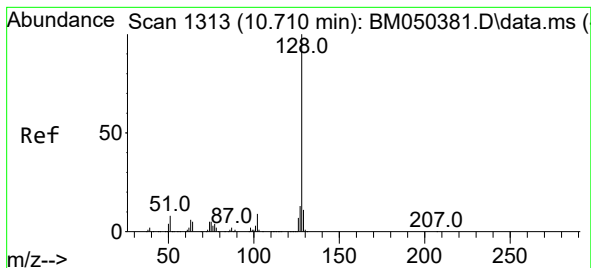
Ion Ratio Lower Upper

180 100

182 97.2 76.8 115.2

145 27.6 22.6 33.8

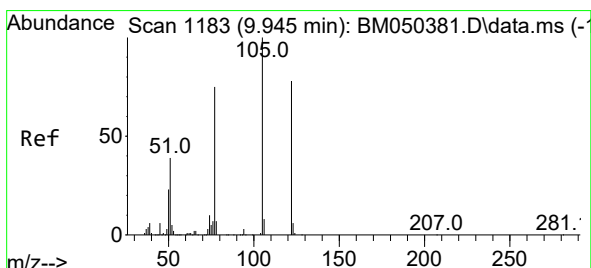
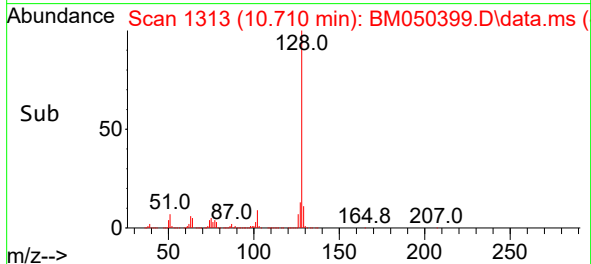
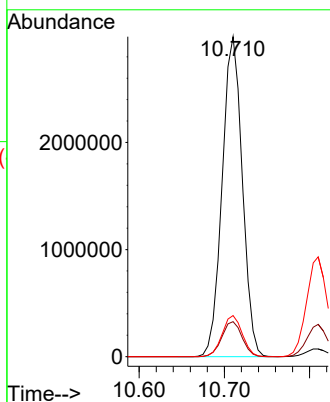
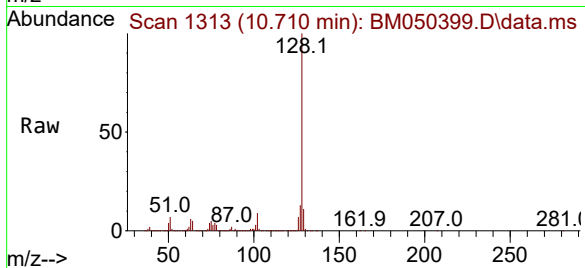




#31
Naphthalene
Concen: 38.479 ng
RT: 10.710 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

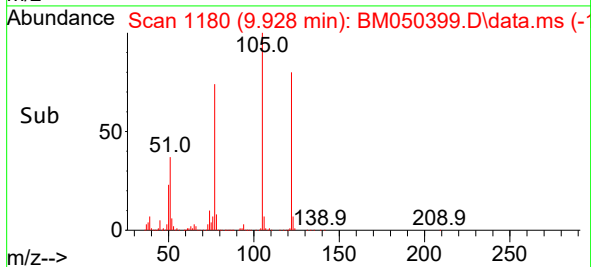
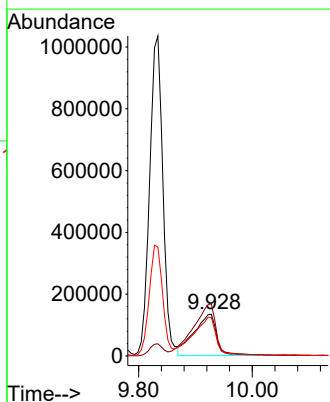
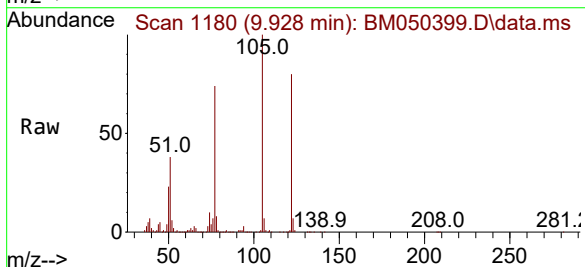
Instrument :
BNA_M
ClientSampleId :
G4(0-6)MSD

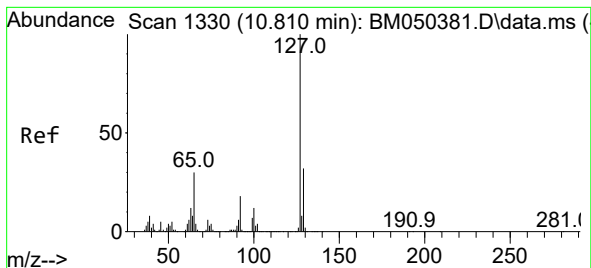
Tgt Ion:128 Resp: 4911664
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 12.8 10.4 15.6



#32
Benzoic acid
Concen: 19.921 ng
RT: 9.928 min Scan# 1180
Delta R.T. -0.017 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

Tgt Ion:122 Resp: 372738
Ion Ratio Lower Upper
122 100
105 125.0 104.0 144.0
77 92.3 73.8 113.8





#33

4-Chloroaniline

Concen: 29.170 ng

RT: 10.810 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM050399.D

Acq: 10 Jul 2025 21:19

Instrument :

BNA_M

ClientSampleId :

G4(0-6)MSD

Tgt Ion:127 Resp: 1574122

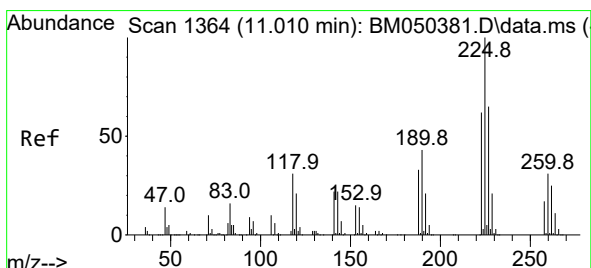
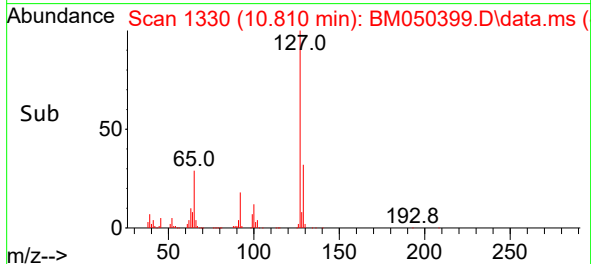
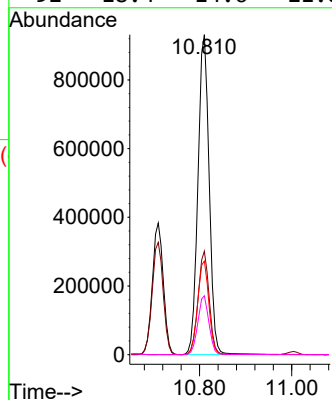
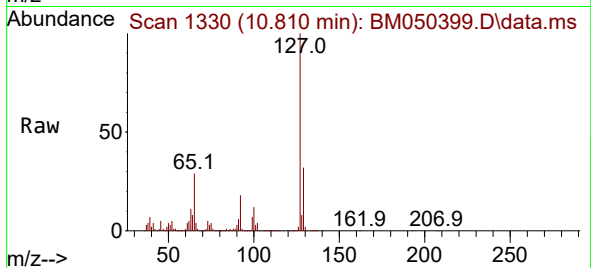
Ion Ratio Lower Upper

127 100

129 32.4 25.5 38.3

65 29.2 23.9 35.9

92 18.4 14.6 21.8



#34

Hexachlorobutadiene

Concen: 30.075 ng

RT: 11.004 min Scan# 1363

Delta R.T. -0.006 min

Lab File: BM050399.D

Acq: 10 Jul 2025 21:19

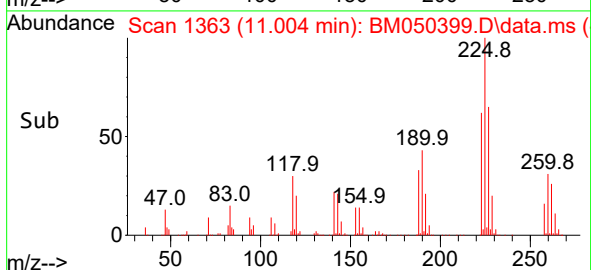
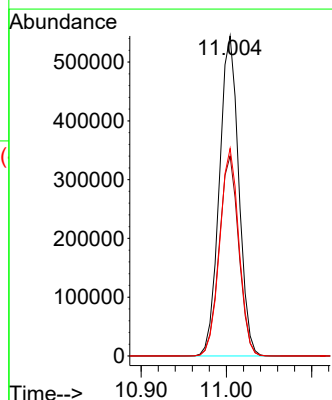
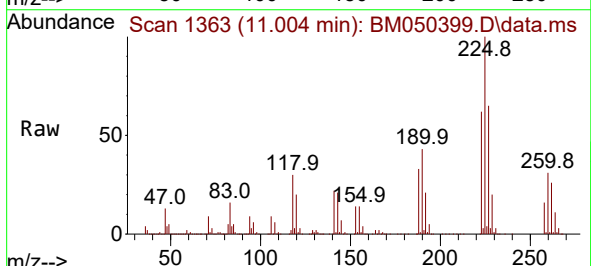
Tgt Ion:225 Resp: 859976

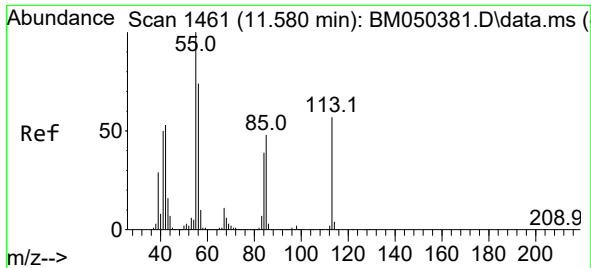
Ion Ratio Lower Upper

225 100

223 62.5 49.7 74.5

227 64.9 52.1 78.1

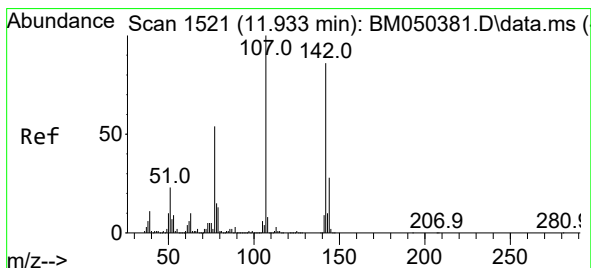
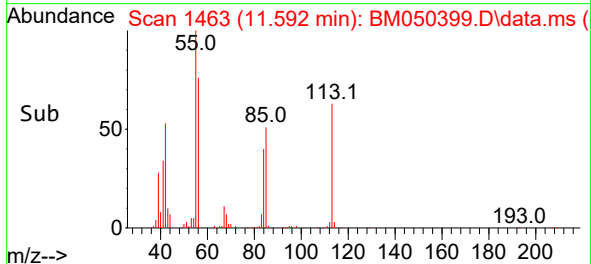
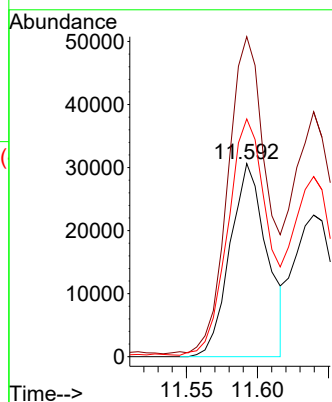
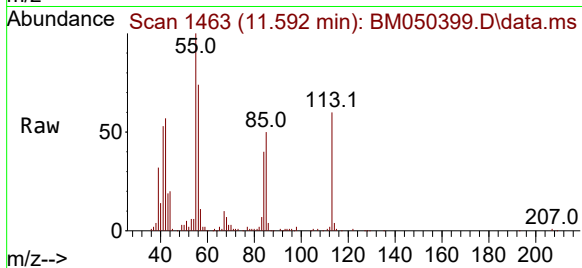




#35
Caprolactam
Concen: 5.188 ng
RT: 11.592 min Scan# 1463
Delta R.T. 0.012 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

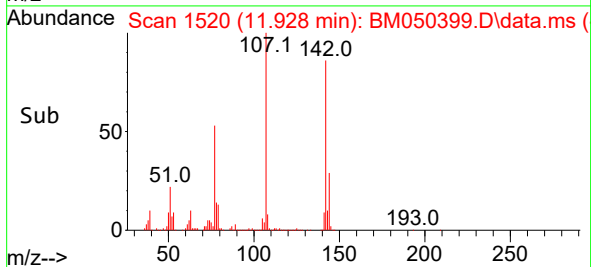
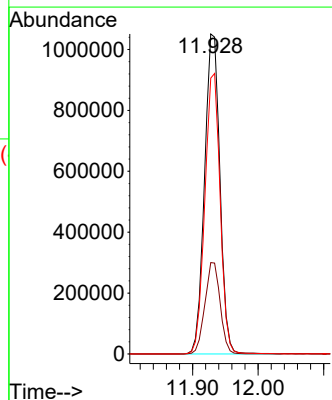
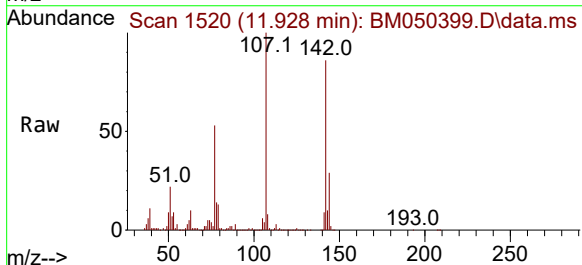
Instrument :
BNA_M
ClientSampleId :
G4(0-6)MSD

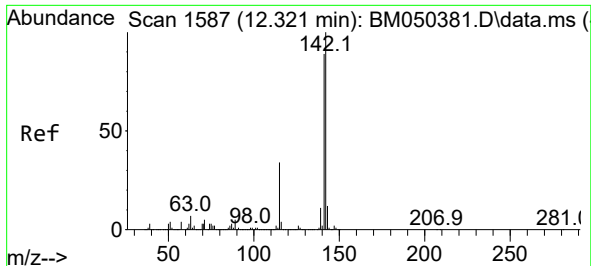
Tgt Ion:113 Resp: 55464
Ion Ratio Lower Upper
113 100
55 165.7 157.2 197.2
56 123.2 111.7 151.7



#36
4-Chloro-3-methylphenol
Concen: 46.965 ng
RT: 11.928 min Scan# 1520
Delta R.T. -0.006 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

Tgt Ion:107 Resp: 1717558
Ion Ratio Lower Upper
107 100
144 28.5 22.2 33.4
142 86.2 68.7 103.1

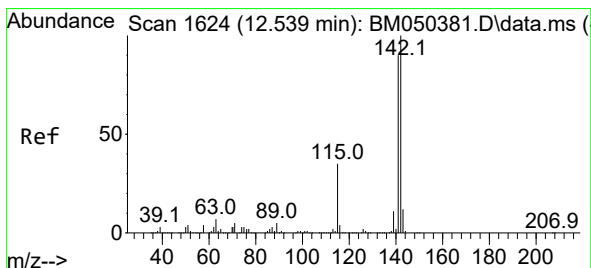
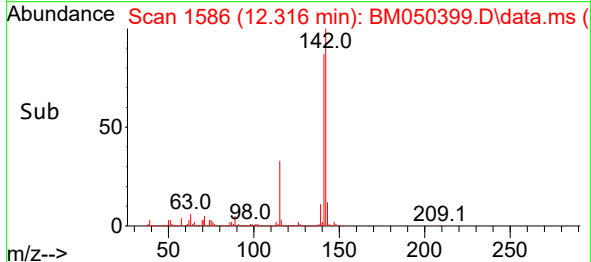
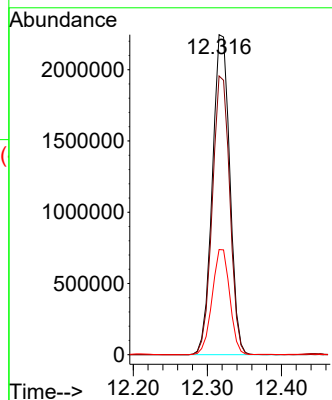
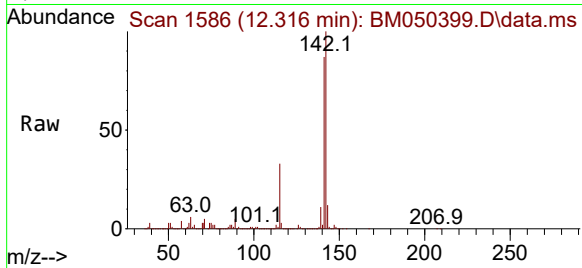




#37
2-Methylnaphthalene
Concen: 45.605 ng
RT: 12.316 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

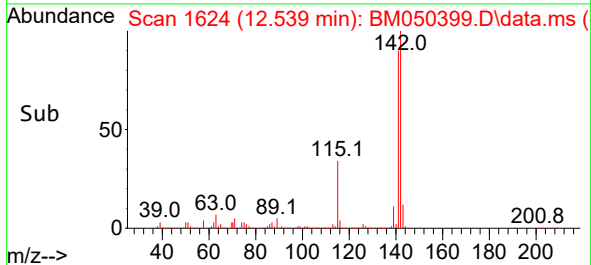
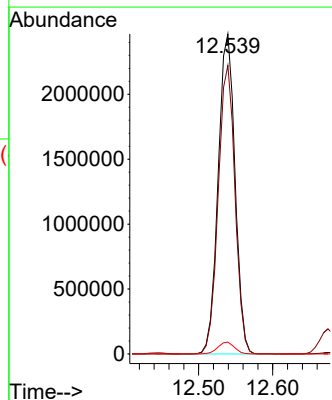
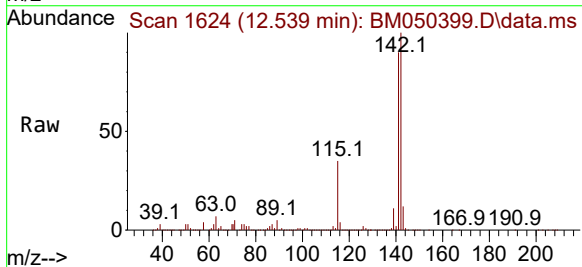
Instrument :
BNA_M
ClientSampleId :
G4(0-6)MSD

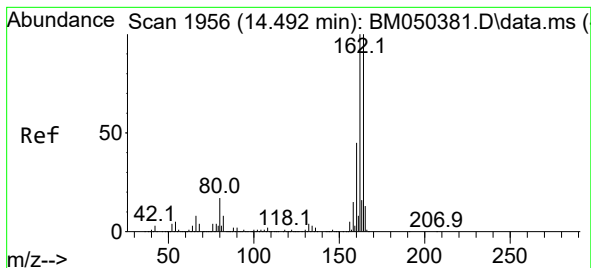
Tgt Ion:142 Resp: 3675578
Ion Ratio Lower Upper
142 100
141 87.1 70.8 106.2
115 32.9 27.0 40.4



#38
1-Methylnaphthalene
Concen: 45.599 ng
RT: 12.539 min Scan# 1624
Delta R.T. 0.000 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

Tgt Ion:142 Resp: 3889330
Ion Ratio Lower Upper
142 100
141 90.1 71.9 107.9
116 3.7 3.0 4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.492 min Scan# 1956

Delta R.T. 0.000 min

Lab File: BM050399.D

Acq: 10 Jul 2025 21:19

Instrument :

BNA_M

ClientSampleId :

G4(0-6)MSD

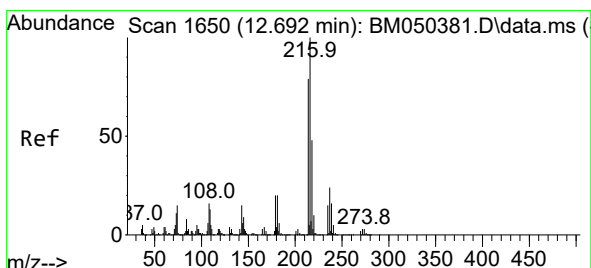
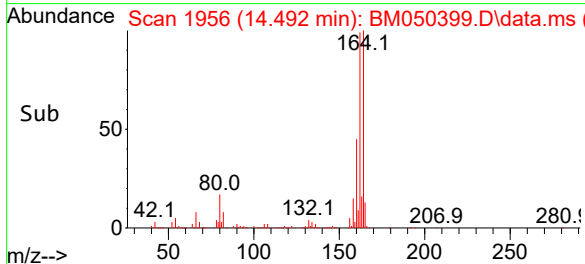
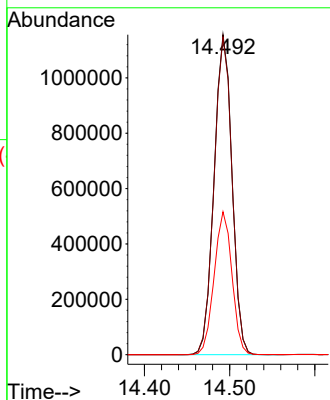
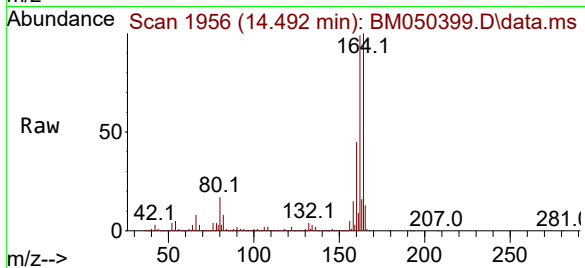
Tgt Ion:164 Resp: 1690896

Ion Ratio Lower Upper

164 100

162 99.3 79.9 119.9

160 44.6 36.2 54.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 46.028 ng

RT: 12.686 min Scan# 1649

Delta R.T. -0.006 min

Lab File: BM050399.D

Acq: 10 Jul 2025 21:19

Tgt Ion:216 Resp: 2475018

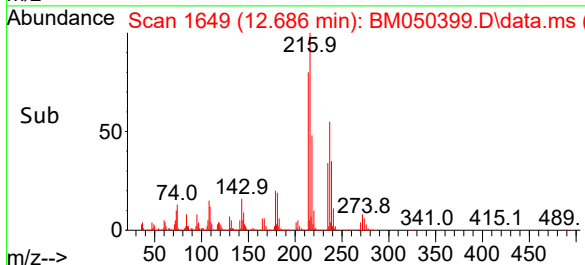
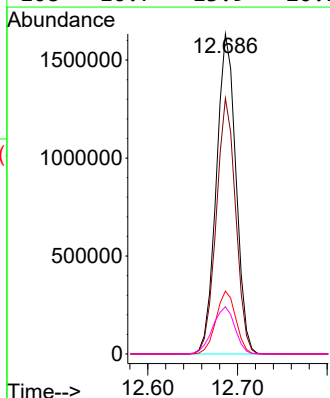
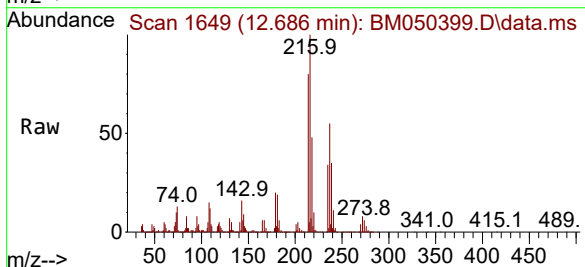
Ion Ratio Lower Upper

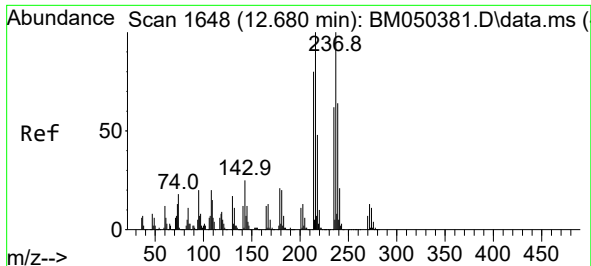
216 100

214 78.9 63.3 94.9

179 19.9 16.4 24.6

108 16.7 13.9 20.9

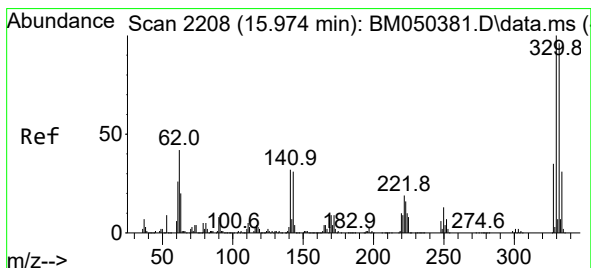
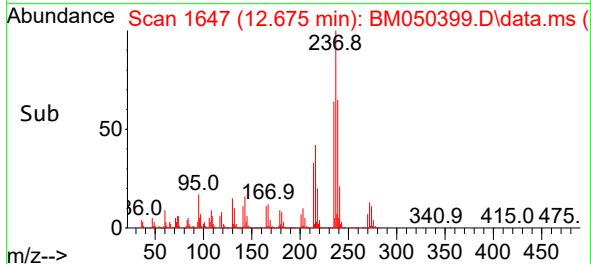
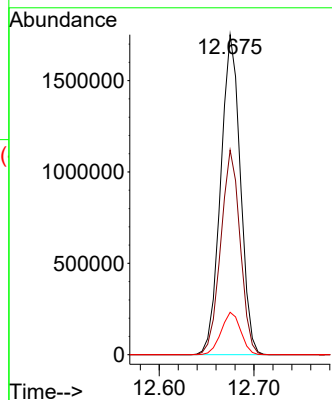
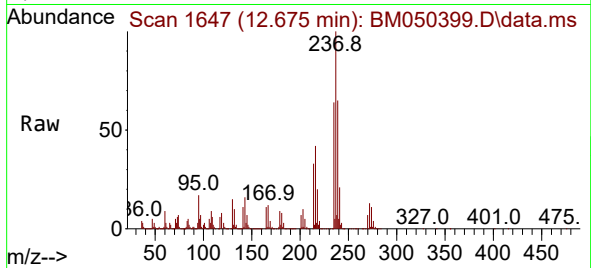




#41
Hexachlorocyclopentadiene
Concen: 73.631 ng
RT: 12.675 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

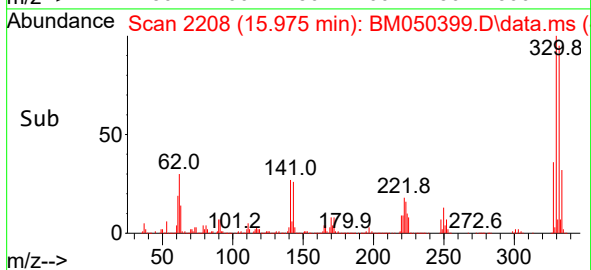
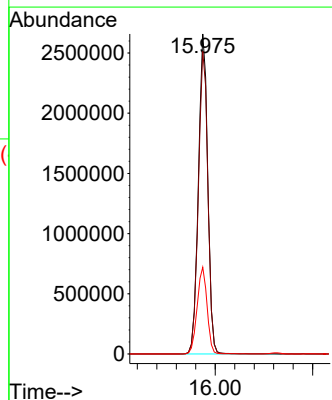
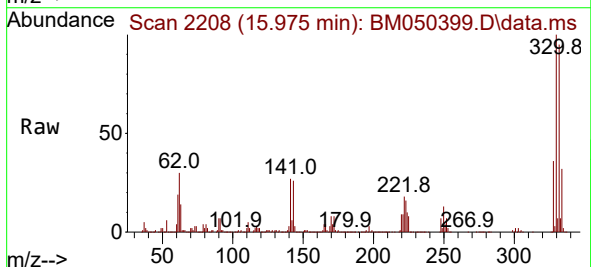
Instrument :
BNA_M
ClientSampleId :
G4(0-6)MSD

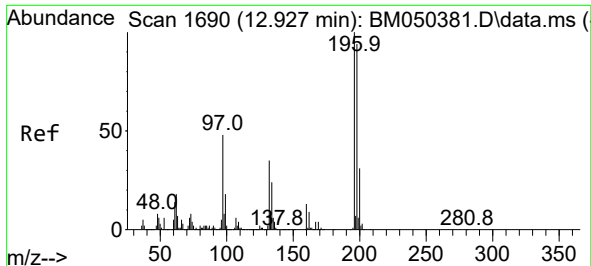
Tgt Ion:237 Resp: 2530837
Ion Ratio Lower Upper
237 100
235 64.0 42.3 82.3
272 13.2 0.0 33.0



#42
2,4,6-Tribromophenol
Concen: 173.710 ng
RT: 15.975 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

Tgt Ion:330 Resp: 3568789
Ion Ratio Lower Upper
330 100
332 95.9 76.9 115.3
141 28.6 27.4 41.0

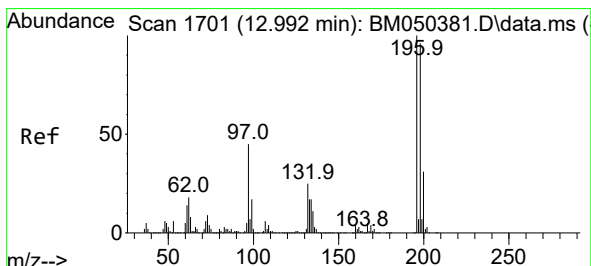
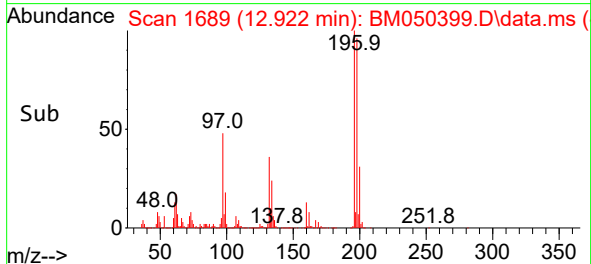
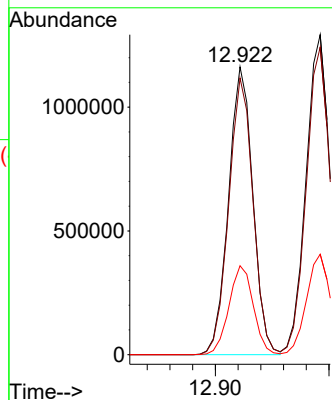
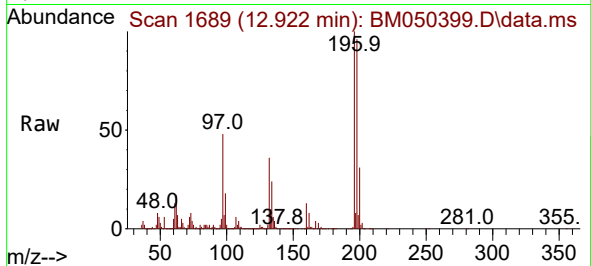




#43
2,4,6-Trichlorophenol
Concen: 52.254 ng
RT: 12.922 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

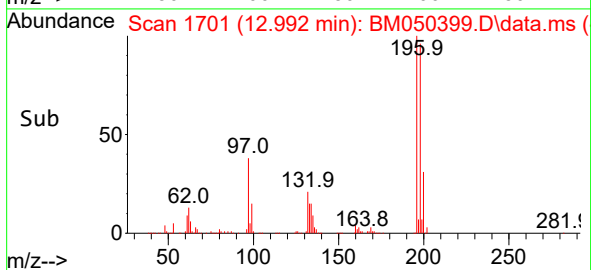
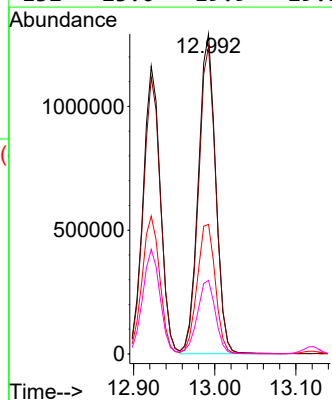
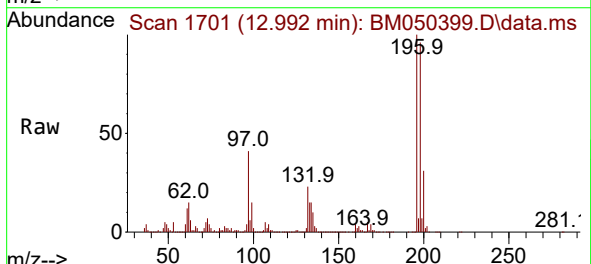
Instrument :
BNA_M
ClientSampleId :
G4(0-6)MSD

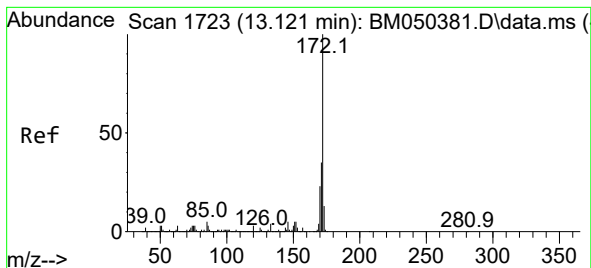
Tgt Ion:196 Resp: 1729563
Ion Ratio Lower Upper
196 100
198 96.1 75.1 112.7
200 30.9 24.6 37.0



#44
2,4,5-Trichlorophenol
Concen: 52.920 ng
RT: 12.992 min Scan# 1701
Delta R.T. 0.000 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

Tgt Ion:196 Resp: 1912943
Ion Ratio Lower Upper
196 100
198 96.1 77.2 115.8
97 40.5 36.2 54.4
132 23.0 19.9 29.9





#45

2-Fluorobiphenyl

Concen: 81.146 ng

RT: 13.122 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM050399.D

Acq: 10 Jul 2025 21:19

Instrument :

BNA_M

ClientSampleId :

G4(0-6)MSD

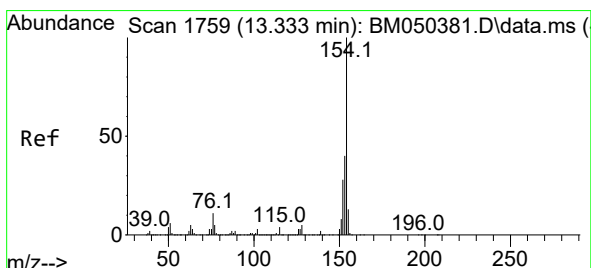
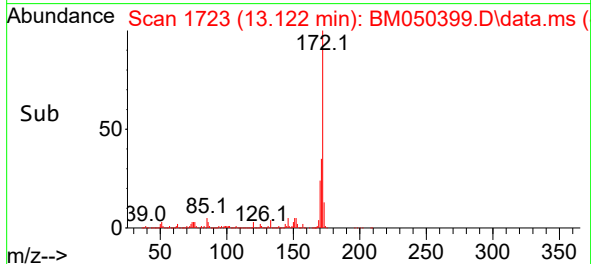
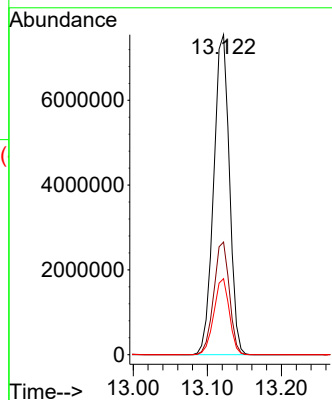
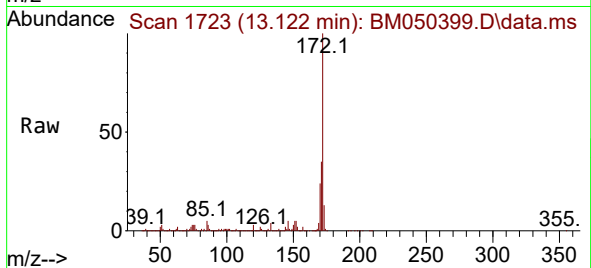
Tgt Ion:172 Resp:11110733

Ion Ratio Lower Upper

172 100

171 35.2 27.7 41.5

170 23.7 18.8 28.2



#46

1,1'-Biphenyl

Concen: 46.011 ng

RT: 13.328 min Scan# 1758

Delta R.T. -0.006 min

Lab File: BM050399.D

Acq: 10 Jul 2025 21:19

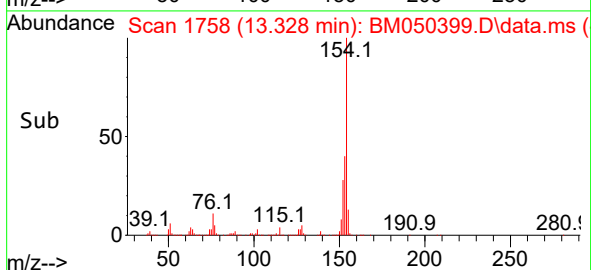
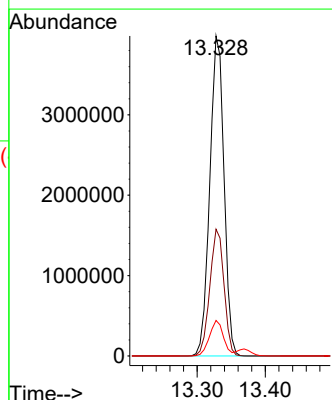
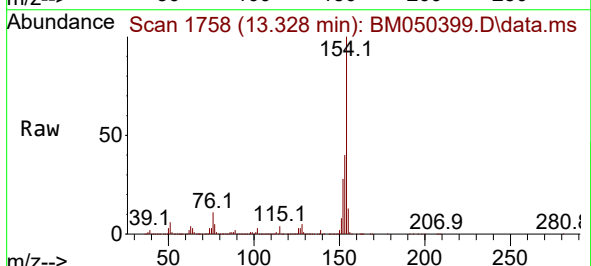
Tgt Ion:154 Resp: 5772261

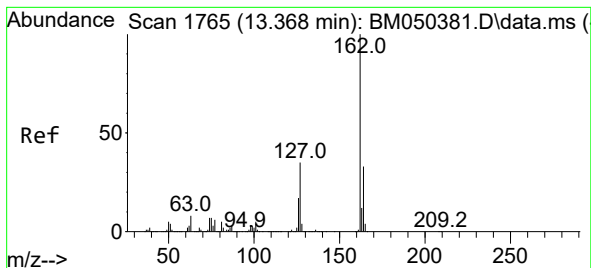
Ion Ratio Lower Upper

154 100

153 39.6 19.7 59.7

76 11.1 0.0 30.9

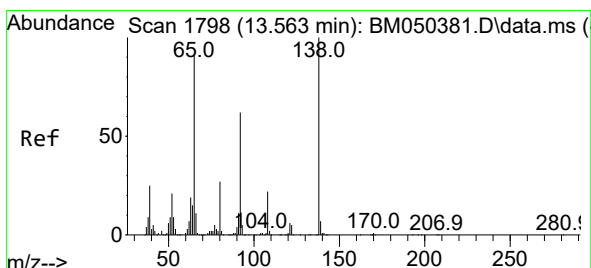
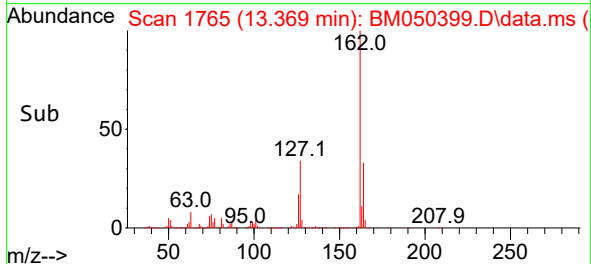
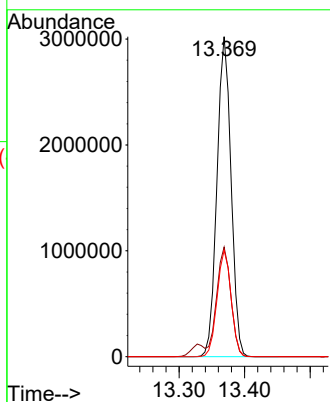
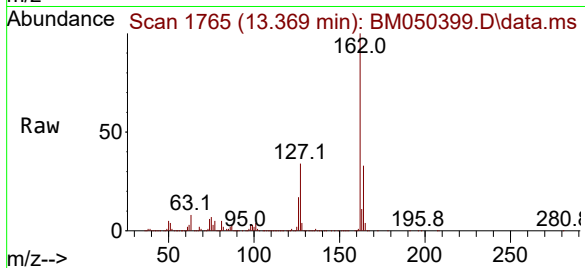




#47
2-Chloronaphthalene
Concen: 44.803 ng
RT: 13.369 min Scan# 1765
Delta R.T. 0.000 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

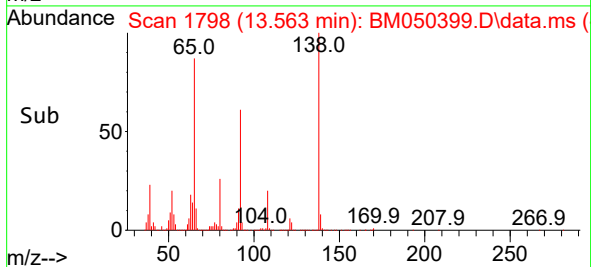
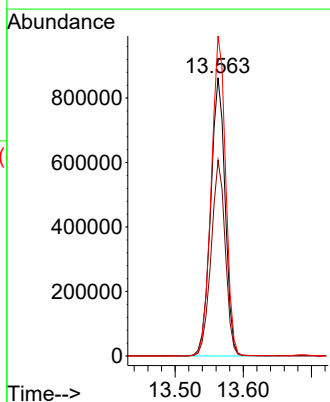
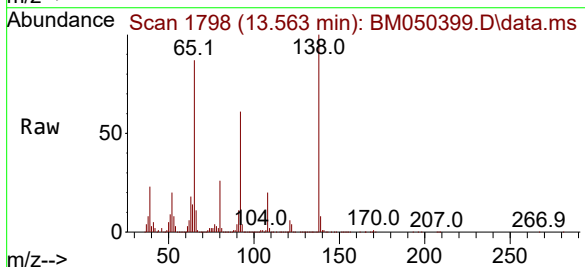
Instrument :
BNA_M
ClientSampleId :
G4(0-6)MSD

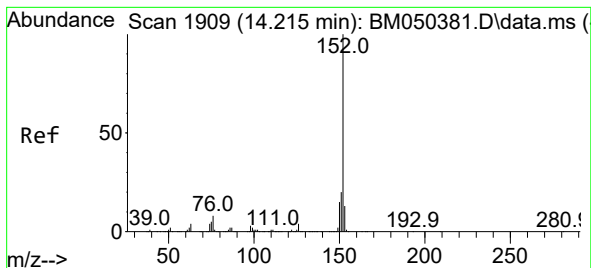
Tgt Ion:162 Resp: 4481421
Ion Ratio Lower Upper
162 100
127 34.3 28.3 42.5
164 33.3 26.6 40.0



#48
2-Nitroaniline
Concen: 57.102 ng
RT: 13.563 min Scan# 1798
Delta R.T. 0.000 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

Tgt Ion: 65 Resp: 1274902
Ion Ratio Lower Upper
65 100
92 70.3 54.3 81.5
138 115.0 87.8 131.6





#49

Acenaphthylene

Concen: 48.772 ng

RT: 14.216 min Scan# 1909

Delta R.T. 0.000 min

Lab File: BM050399.D

Acq: 10 Jul 2025 21:19

Instrument :

BNA_M

ClientSampleId :

G4(0-6)MSD

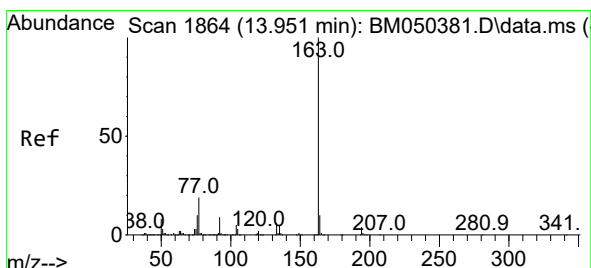
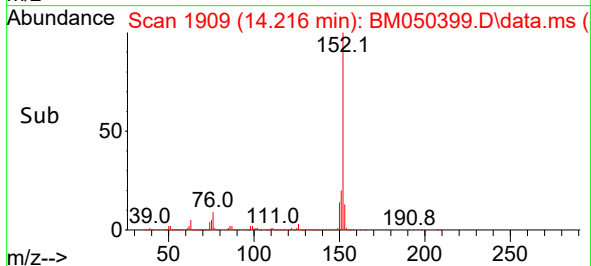
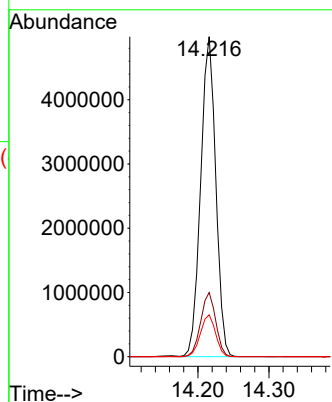
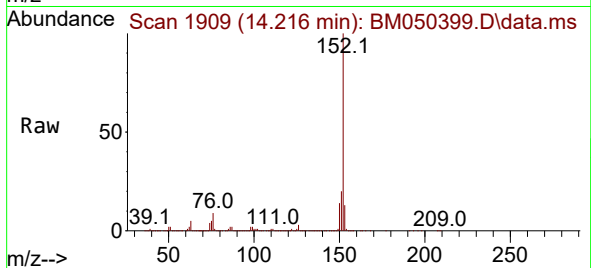
Tgt Ion:152 Resp: 7372667

Ion Ratio Lower Upper

152 100

151 20.0 16.3 24.5

153 13.1 10.6 15.8



#50

Dimethylphthalate

Concen: 54.001 ng

RT: 13.951 min Scan# 1864

Delta R.T. 0.000 min

Lab File: BM050399.D

Acq: 10 Jul 2025 21:19

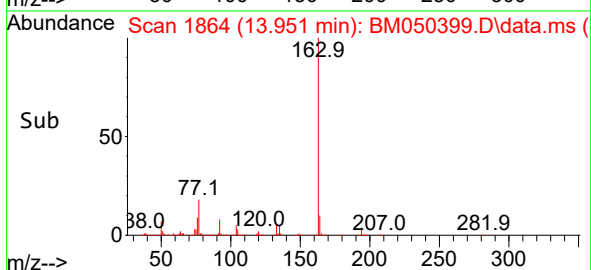
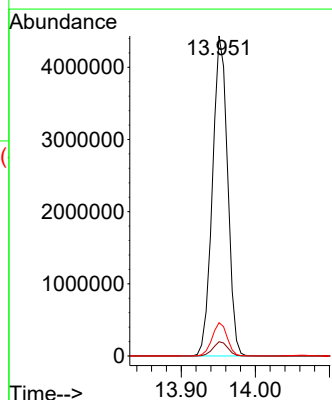
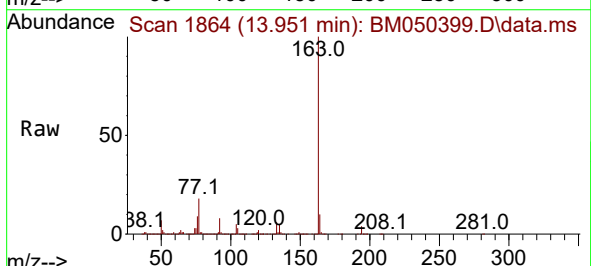
Tgt Ion:163 Resp: 6286468

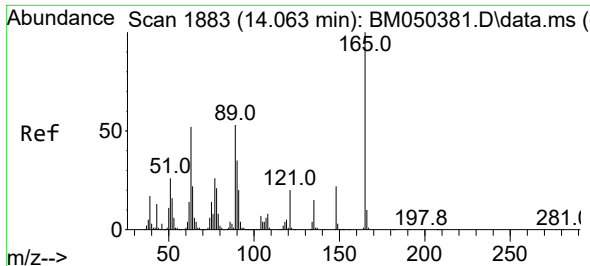
Ion Ratio Lower Upper

163 100

194 4.5 3.4 5.2

164 10.4 8.2 12.2

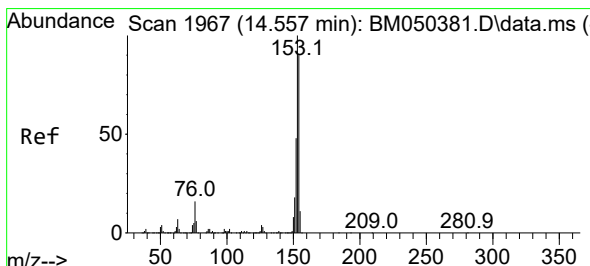
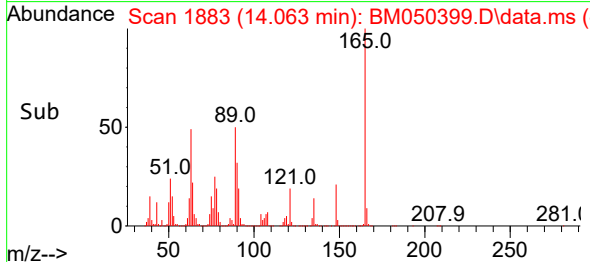
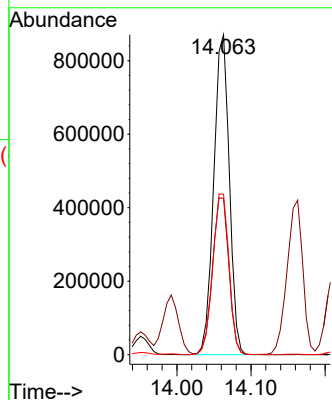
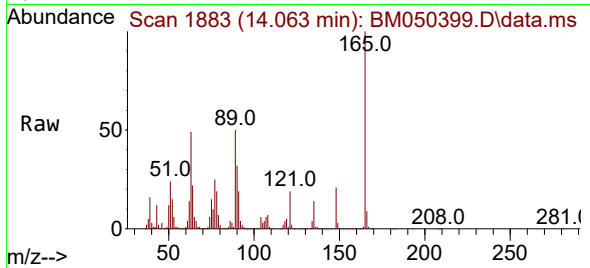




#51
2,6-Dinitrotoluene
Concen: 56.755 ng
RT: 14.063 min Scan# 1883
Delta R.T. 0.000 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

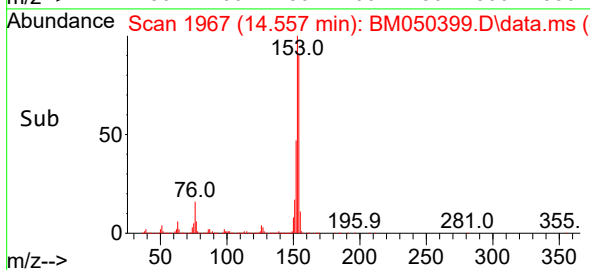
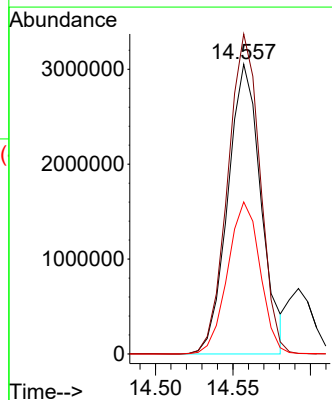
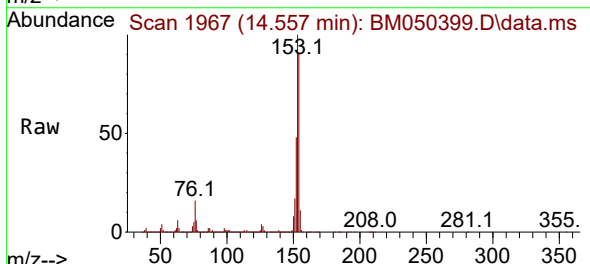
Instrument :
BNA_M
ClientSampleId :
G4(0-6)MSD

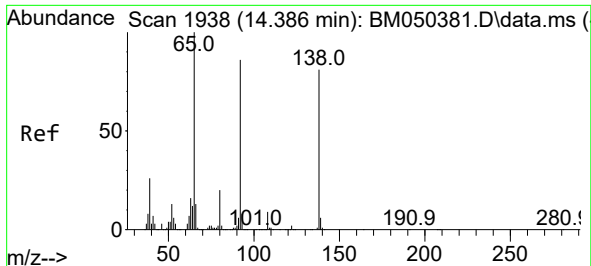
Tgt Ion:165 Resp: 1268589
Ion Ratio Lower Upper
165 100
63 48.9 42.4 63.6
89 50.1 42.2 63.2



#52
Acenaphthene
Concen: 47.282 ng
RT: 14.557 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

Tgt Ion:154 Resp: 4544049
Ion Ratio Lower Upper
154 100
153 110.4 89.2 133.8
152 52.5 42.6 64.0

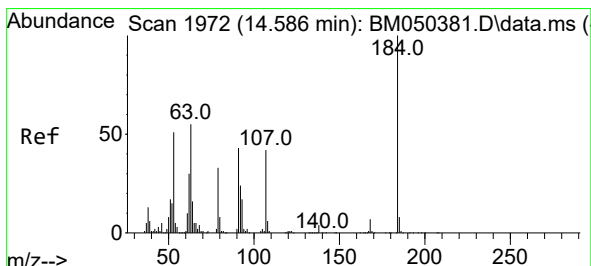
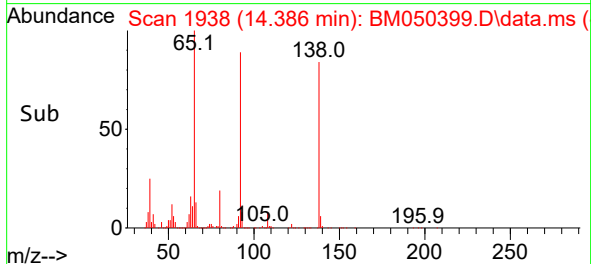
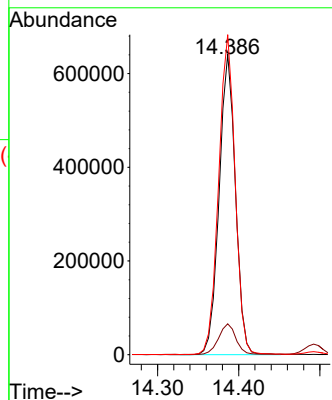
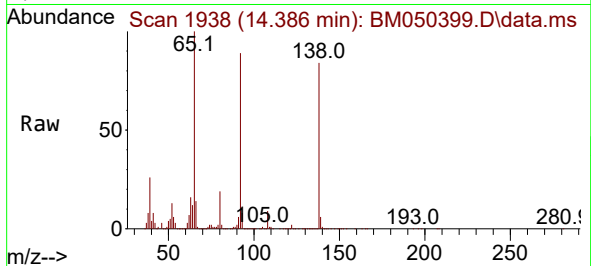




#53
3-Nitroaniline
Concen: 37.769 ng
RT: 14.386 min Scan# 1938
Delta R.T. 0.000 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

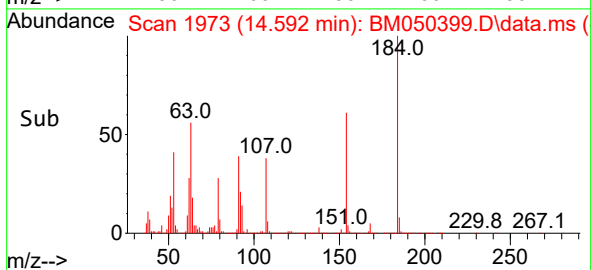
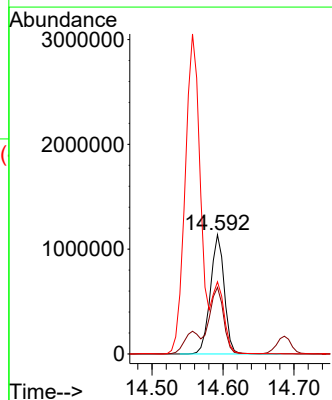
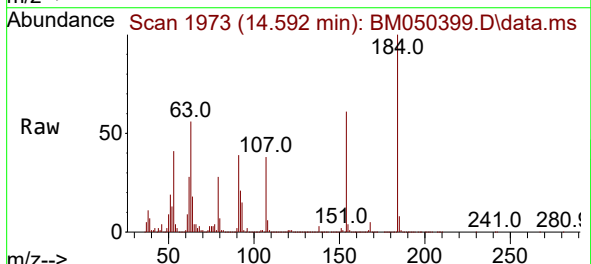
Instrument :
BNA_M
ClientSampleId :
G4(0-6)MSD

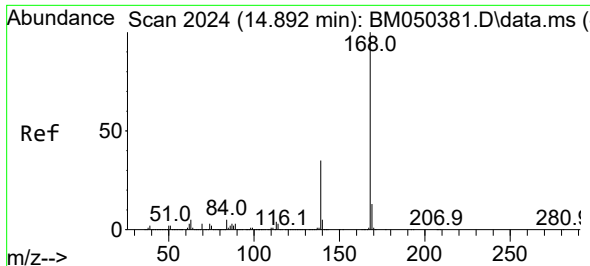
Tgt Ion:138 Resp: 897806
Ion Ratio Lower Upper
138 100
108 10.3 8.8 13.2
92 106.5 85.0 127.6



#54
2,4-Dinitrophenol
Concen: 122.005 ng
RT: 14.592 min Scan# 1973
Delta R.T. 0.006 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

Tgt Ion:184 Resp: 1549911
Ion Ratio Lower Upper
184 100
63 55.8 53.4 80.0
154 60.5 61.6 92.4#

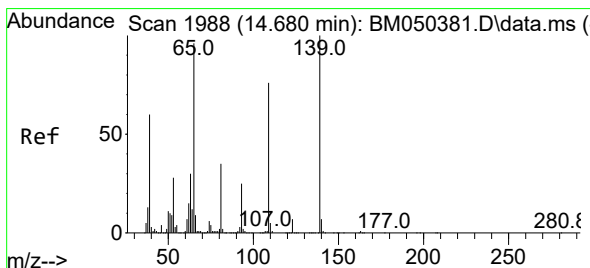
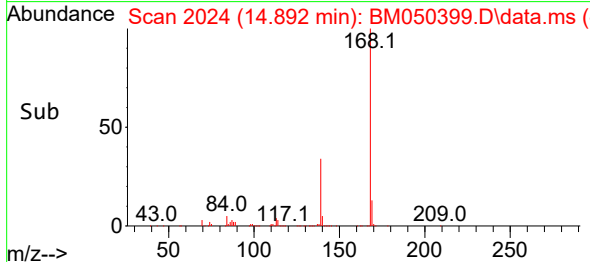
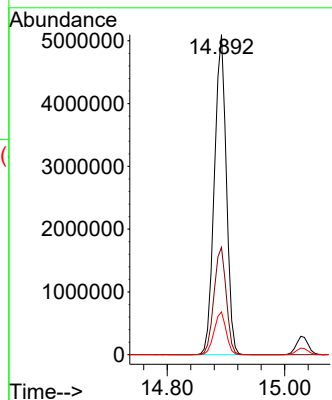
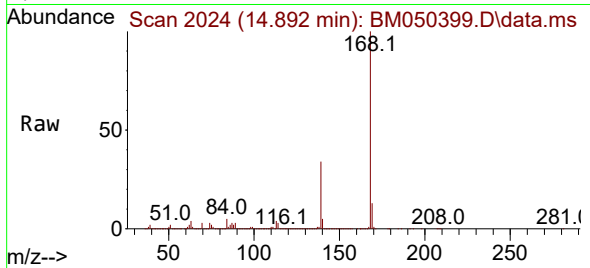




#55
Dibenzofuran
Concen: 48.510 ng
RT: 14.892 min Scan# 20
Delta R.T. 0.000 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

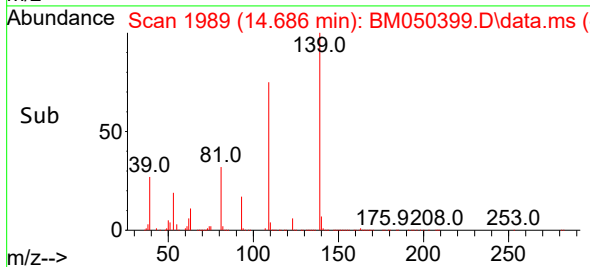
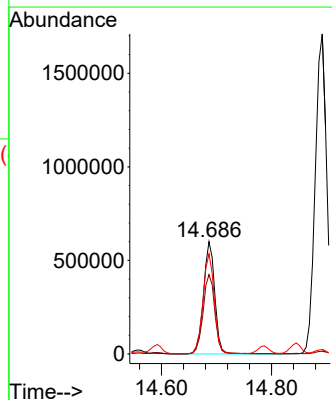
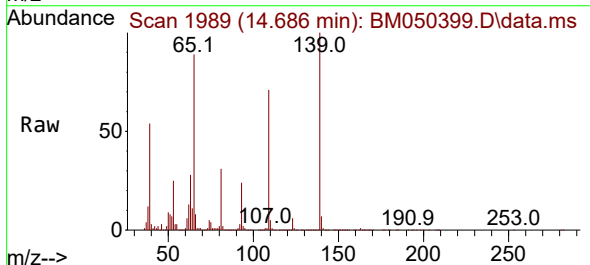
Instrument :
BNA_M
ClientSampleId :
G4(0-6)MSD

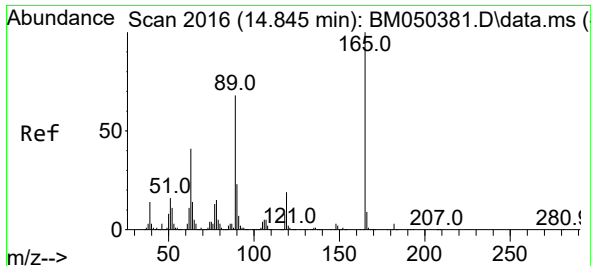
Tgt Ion:168 Resp: 7183271
Ion Ratio Lower Upper
168 100
139 33.5 27.7 41.5
169 13.4 10.7 16.1



#56
4-Nitrophenol
Concen: 41.694 ng
RT: 14.686 min Scan# 1989
Delta R.T. 0.006 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

Tgt Ion:139 Resp: 852319
Ion Ratio Lower Upper
139 100
109 70.6 56.5 96.5
65 89.1 76.4 116.4





#57

2,4-Dinitrotoluene

Concen: 54.633 ng

RT: 14.845 min Scan# 2016

Delta R.T. 0.000 min

Lab File: BM050399.D

Acq: 10 Jul 2025 21:19

Instrument :

BNA_M

ClientSampleId :

G4(0-6)MSD

Tgt Ion:165 Resp: 1841416

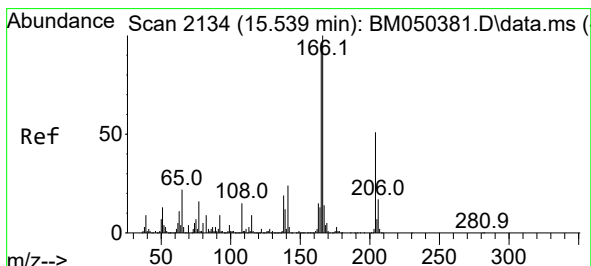
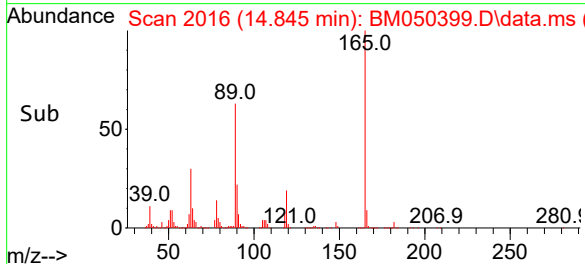
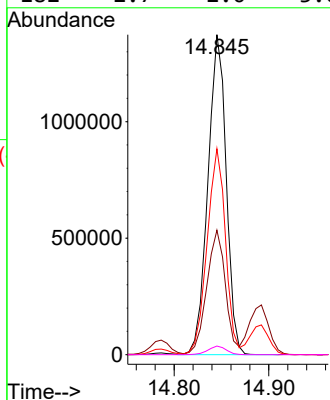
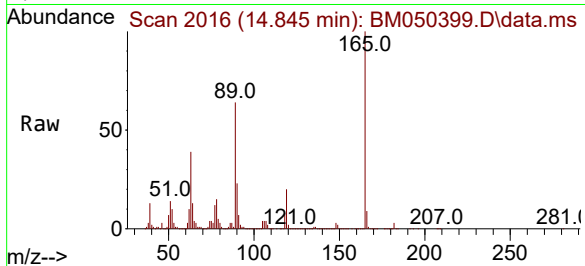
Ion Ratio Lower Upper

165 100

63 38.9 32.5 48.7

89 64.3 54.0 81.0

182 2.7 2.0 3.0



#58

Fluorene

Concen: 51.887 ng

RT: 15.539 min Scan# 2134

Delta R.T. 0.000 min

Lab File: BM050399.D

Acq: 10 Jul 2025 21:19

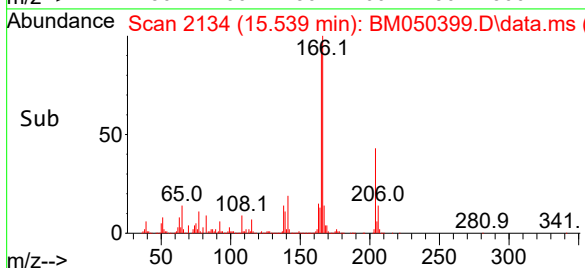
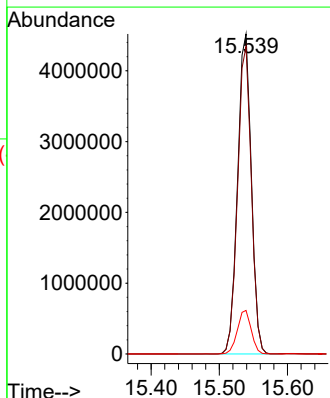
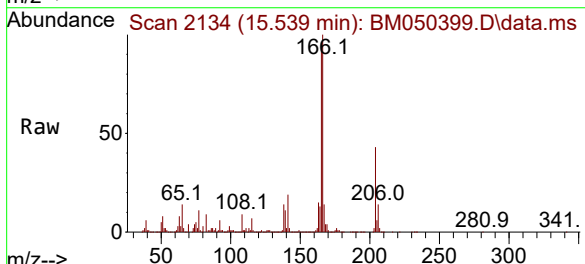
Tgt Ion:166 Resp: 6328568

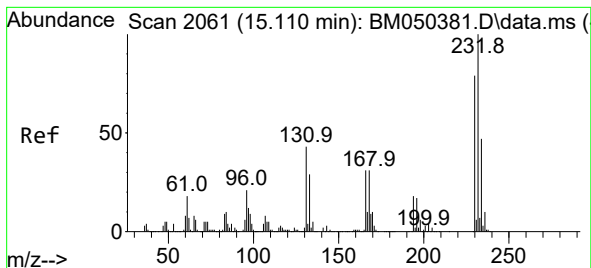
Ion Ratio Lower Upper

166 100

165 96.1 77.0 115.6

167 13.6 10.9 16.3

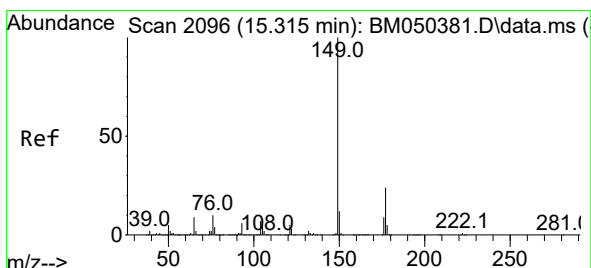
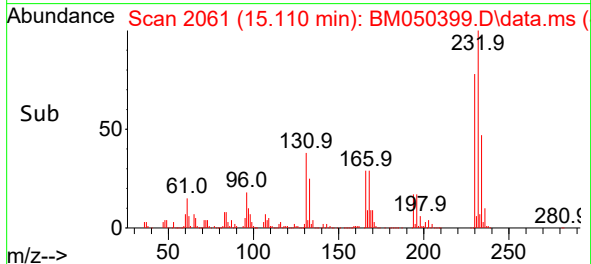
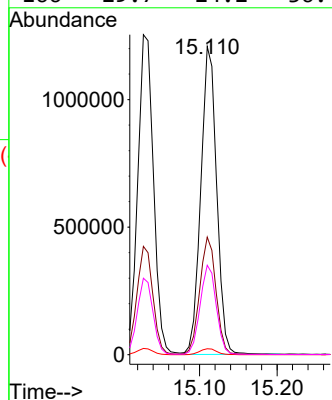
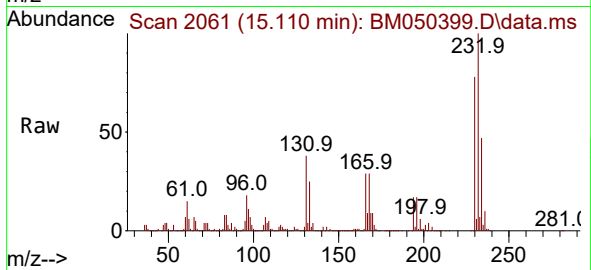




#59
2,3,4,6-Tetrachlorophenol
Concen: 56.403 ng
RT: 15.110 min Scan# 2061
Delta R.T. 0.000 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

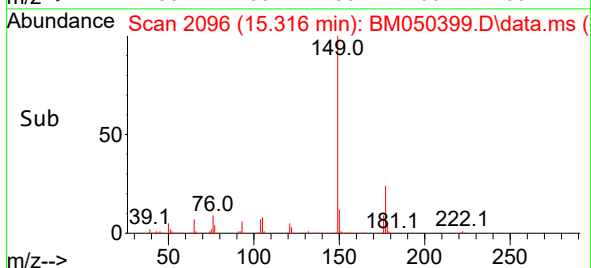
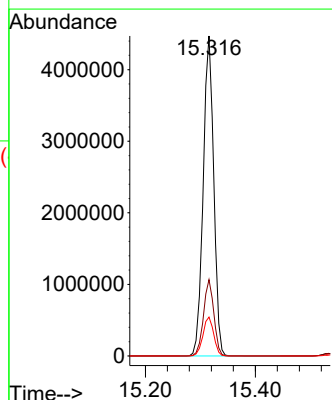
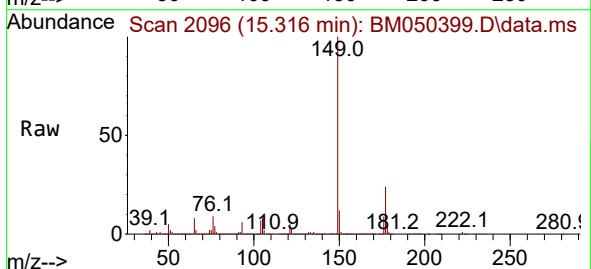
Instrument :
BNA_M
ClientSampleId :
G4(0-6)MSD

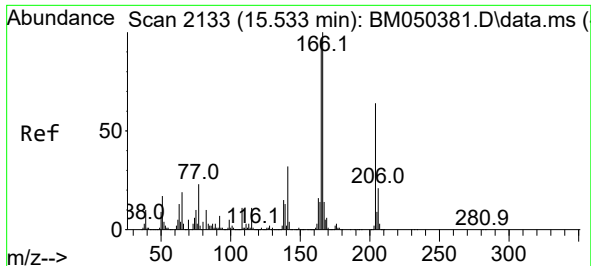
Tgt Ion:232 Resp: 1716296
Ion Ratio Lower Upper
232 100
131 39.2 33.4 50.0
130 2.1 1.8 2.6
166 29.7 24.2 36.4



#60
Diethylphthalate
Concen: 53.580 ng
RT: 15.316 min Scan# 2096
Delta R.T. 0.000 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

Tgt Ion:149 Resp: 5958280
Ion Ratio Lower Upper
149 100
177 23.9 18.8 28.2
150 12.2 9.8 14.8

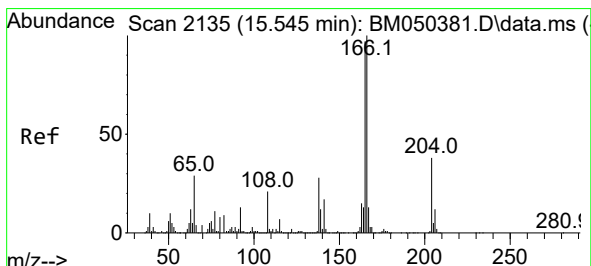
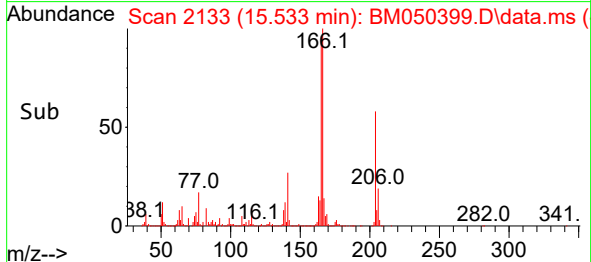
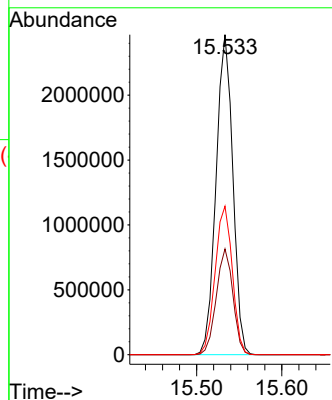
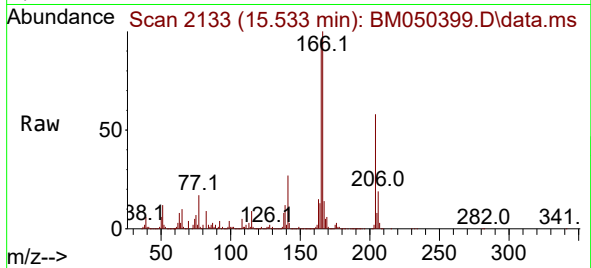




#61
4-Chlorophenyl-phenylether
Concen: 52.783 ng
RT: 15.533 min Scan# 2133
Delta R.T. 0.000 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

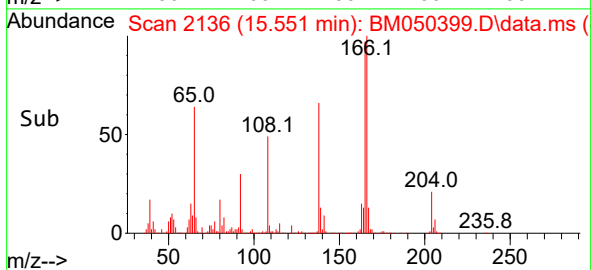
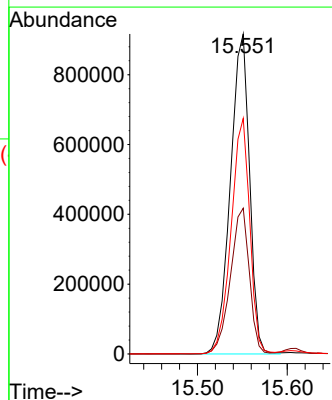
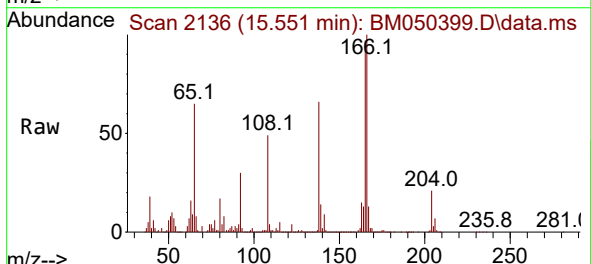
Instrument :
BNA_M
ClientSampleId :
G4(0-6)MSD

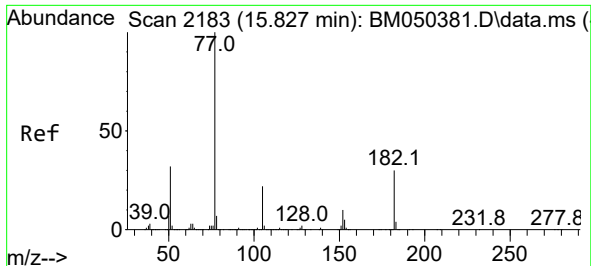
Tgt Ion:204 Resp: 3366312
Ion Ratio Lower Upper
204 100
206 33.0 26.6 39.8
141 46.4 39.9 59.9



#62
4-Nitroaniline
Concen: 49.630 ng
RT: 15.551 min Scan# 2136
Delta R.T. 0.006 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

Tgt Ion:138 Resp: 1358822
Ion Ratio Lower Upper
138 100
92 45.6 24.5 64.5
108 73.6 52.5 92.5

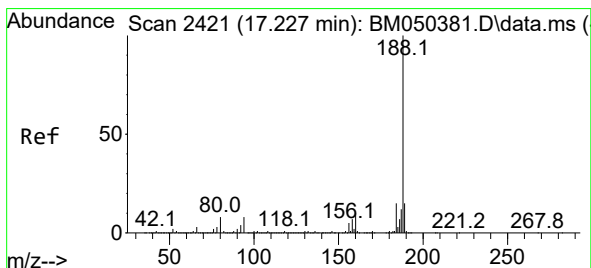
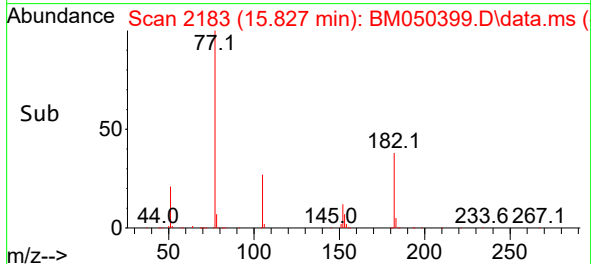
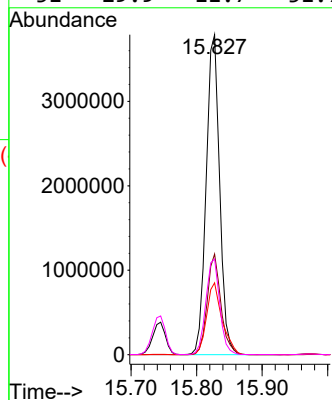
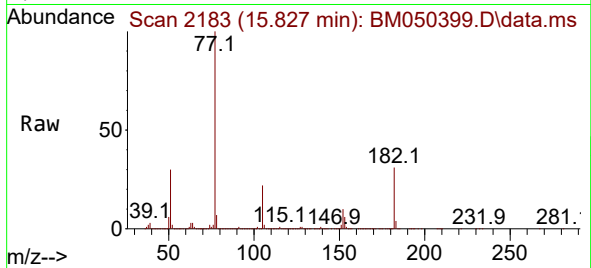




#63
Azobenzene
Concen: 52.977 ng
RT: 15.827 min Scan# 2183
Delta R.T. 0.000 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

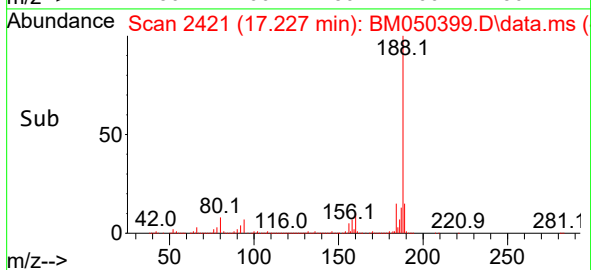
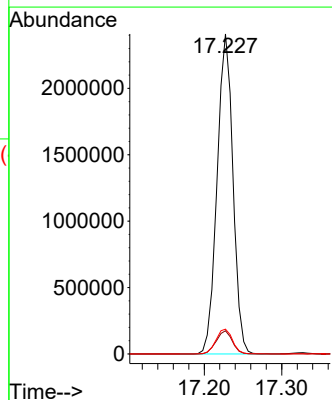
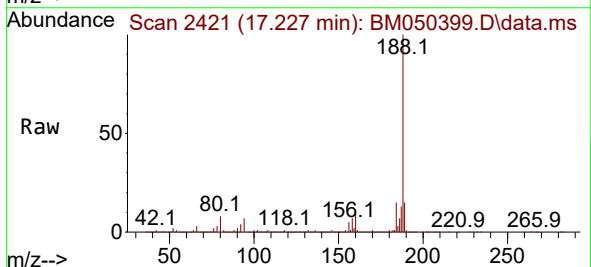
Instrument :
BNA_M
ClientSampleId :
G4(0-6)MSD

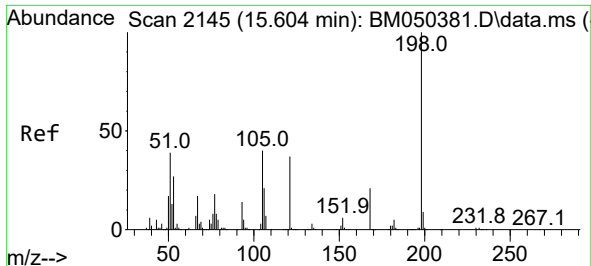
Tgt Ion: 77 Resp: 5409548
Ion Ratio Lower Upper
77 100
182 31.4 10.0 50.0
105 22.4 2.0 42.0
51 29.9 11.7 51.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2421
Delta R.T. 0.000 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

Tgt Ion:188 Resp: 3428124
Ion Ratio Lower Upper
188 100
94 7.3 6.0 9.0
80 7.7 6.5 9.7

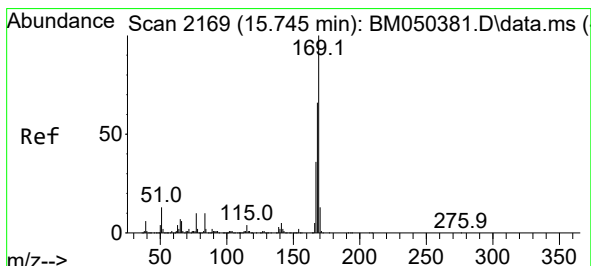
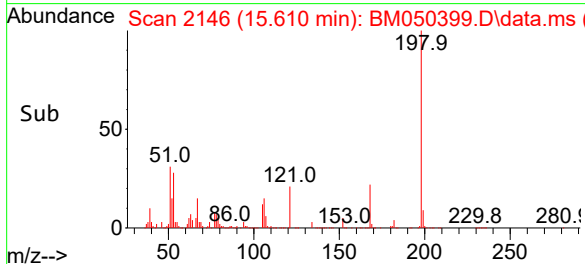
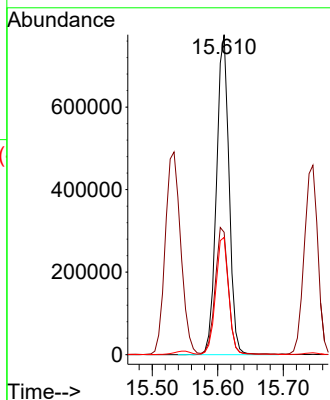
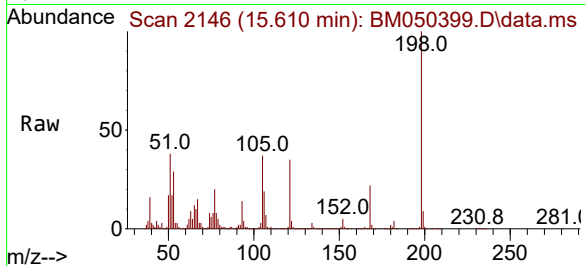




#65
4,6-Dinitro-2-methylphenol
Concen: 54.709 ng
RT: 15.610 min Scan# 2146
Delta R.T. 0.006 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

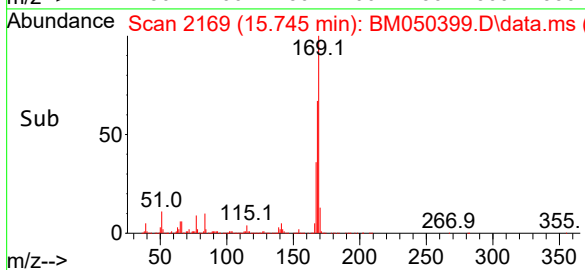
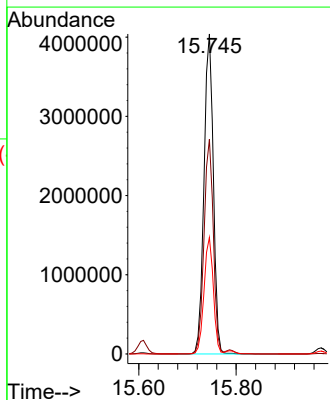
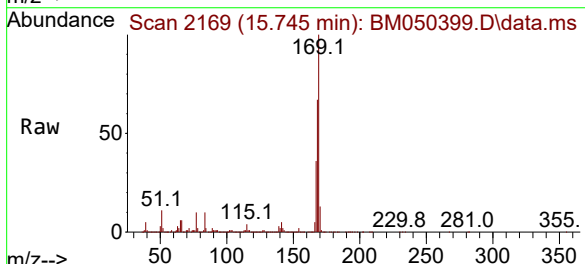
Instrument :
BNA_M
ClientSampleId :
G4(0-6)MSD

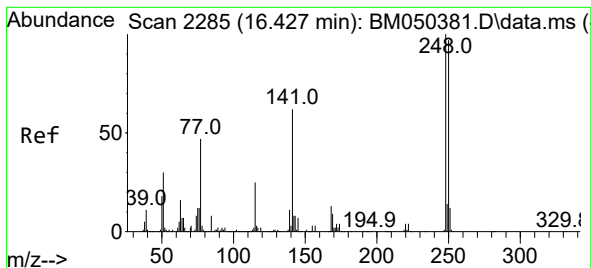
Tgt Ion:198 Resp: 1027165
Ion Ratio Lower Upper
198 100
51 38.2 26.6 66.6
105 36.6 20.9 60.9



#66
n-Nitrosodiphenylamine
Concen: 50.113 ng
RT: 15.745 min Scan# 2169
Delta R.T. 0.000 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

Tgt Ion:169 Resp: 5375650
Ion Ratio Lower Upper
169 100
168 67.1 53.2 79.8
167 36.4 28.7 43.1

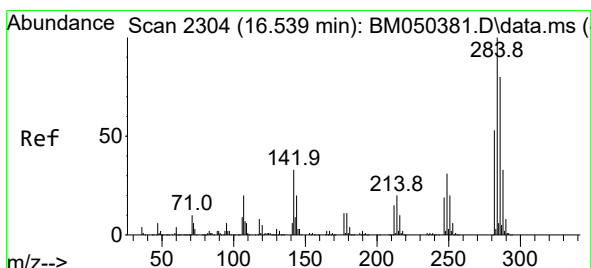
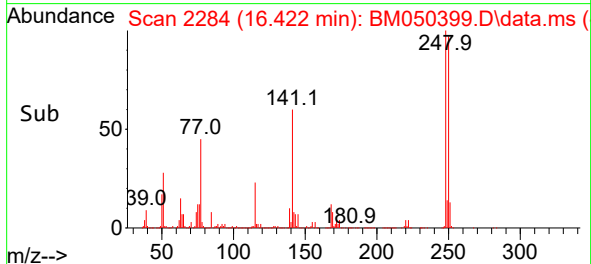
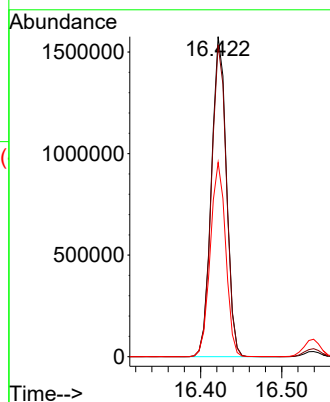
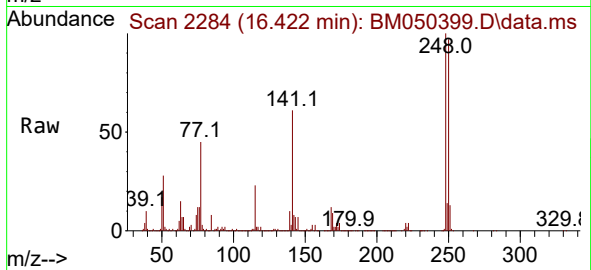




#67
4-Bromophenyl-phenylether
Concen: 53.657 ng
RT: 16.422 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

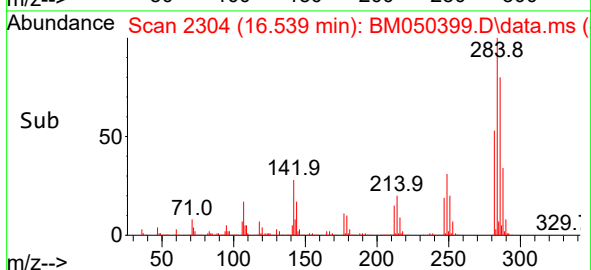
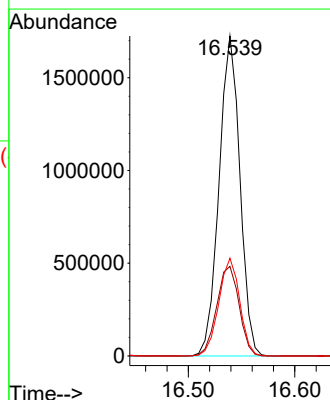
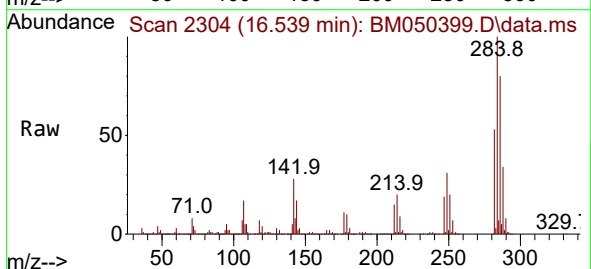
Instrument :
BNA_M
ClientSampleId :
G4(0-6)MSD

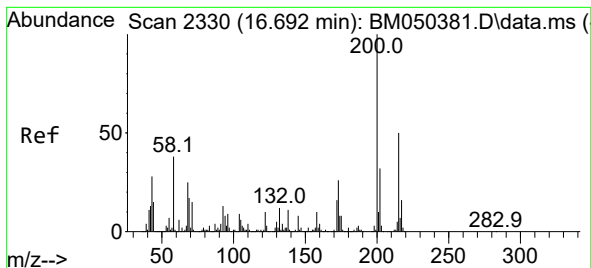
Tgt Ion:248 Resp: 2026616
Ion Ratio Lower Upper
248 100
250 97.4 77.9 116.9
141 60.7 49.7 74.5



#68
Hexachlorobenzene
Concen: 52.546 ng
RT: 16.539 min Scan# 2304
Delta R.T. 0.000 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

Tgt Ion:284 Resp: 2344042
Ion Ratio Lower Upper
284 100
142 28.0 26.8 40.2
249 30.5 24.5 36.7





#69

Atrazine

Concen: 56.465 ng

RT: 16.692 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM050399.D

Acq: 10 Jul 2025 21:19

Instrument :

BNA_M

ClientSampleId :

G4(0-6)MSD

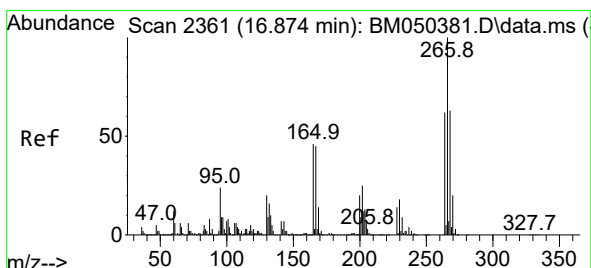
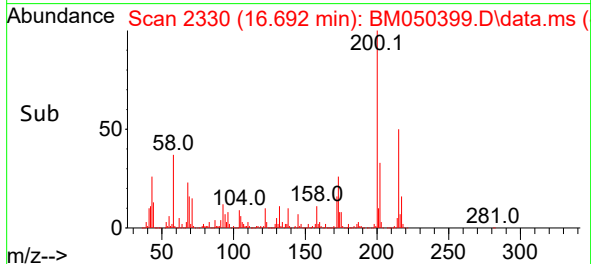
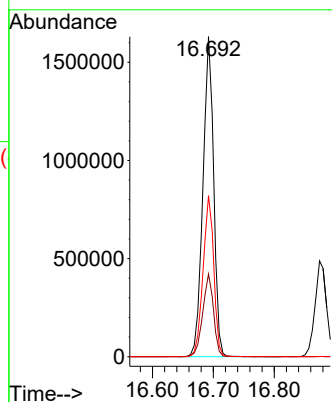
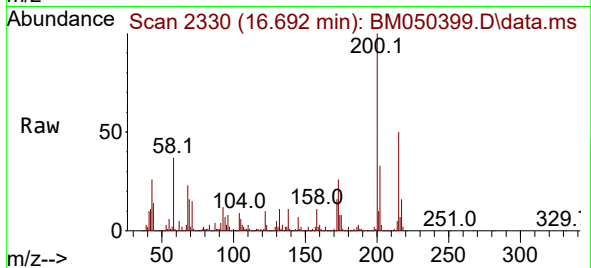
Tgt Ion:200 Resp: 1988943

Ion Ratio Lower Upper

200 100

173 25.9 5.6 45.6

215 50.3 29.6 69.6



#70

Pentachlorophenol

Concen: 123.628 ng

RT: 16.874 min Scan# 2361

Delta R.T. 0.000 min

Lab File: BM050399.D

Acq: 10 Jul 2025 21:19

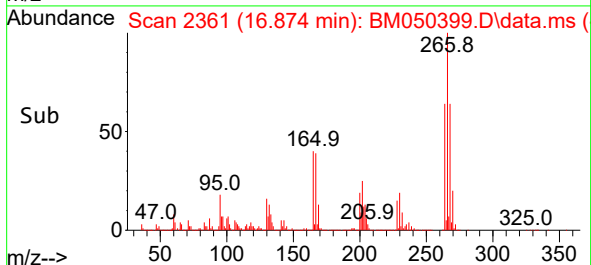
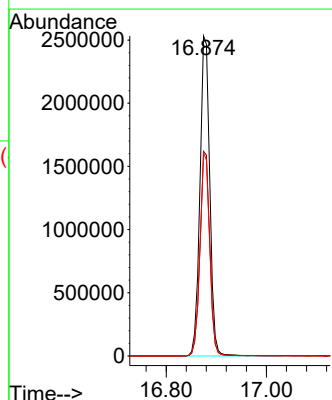
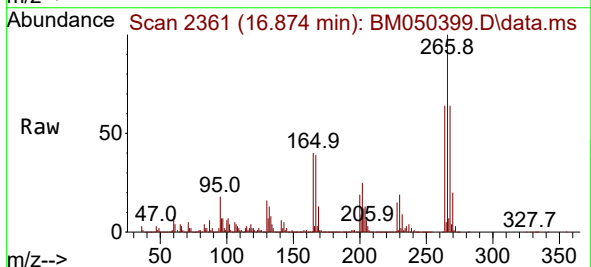
Tgt Ion:266 Resp: 3433135

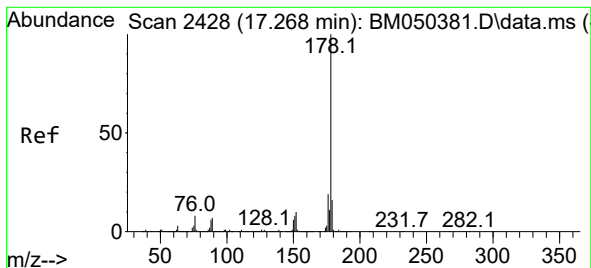
Ion Ratio Lower Upper

266 100

268 64.0 50.5 75.7

264 63.5 49.9 74.9





#71

Phenanthrene

Concen: 50.369 ng

RT: 17.269 min Scan# 2428

Delta R.T. 0.000 min

Lab File: BM050399.D

Acq: 10 Jul 2025 21:19

Instrument :

BNA_M

ClientSampleId :

G4(0-6)MSD

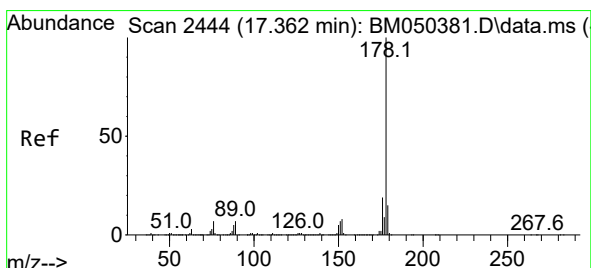
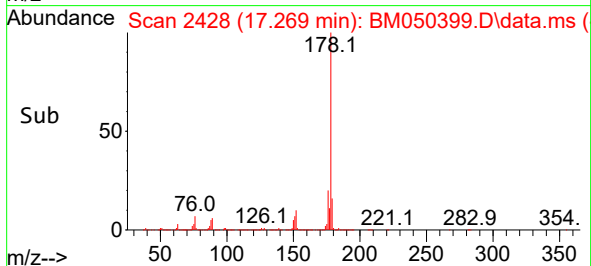
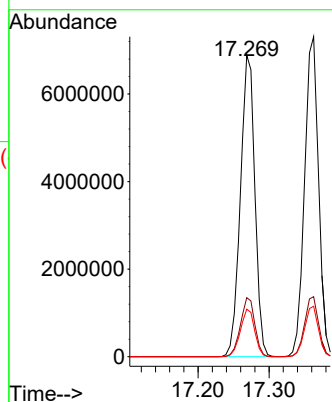
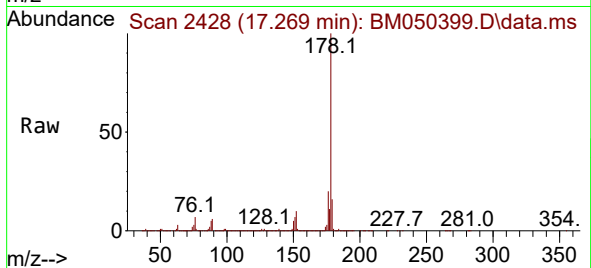
Tgt Ion:178 Resp: 9770715

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.0

179 15.8 12.5 18.7



#72

Anthracene

Concen: 51.816 ng

RT: 17.363 min Scan# 2444

Delta R.T. 0.000 min

Lab File: BM050399.D

Acq: 10 Jul 2025 21:19

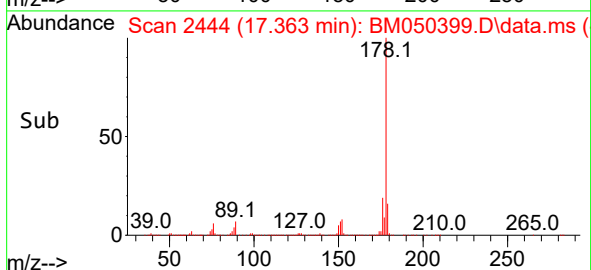
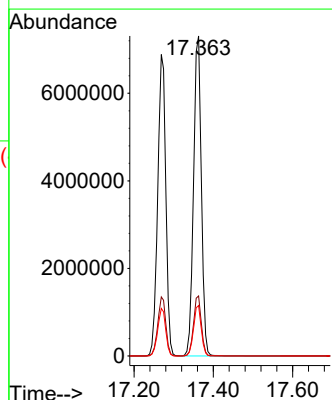
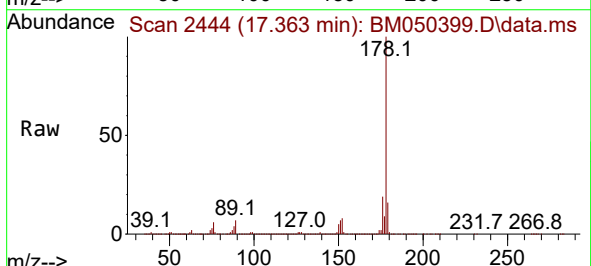
Tgt Ion:178 Resp:10005154

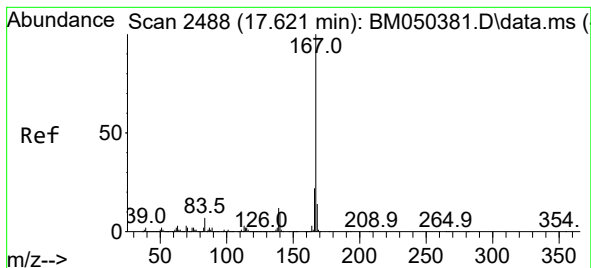
Ion Ratio Lower Upper

178 100

176 18.8 14.9 22.3

179 15.7 12.2 18.4





#73

Carbazole

Concen: 52.569 ng

RT: 17.621 min Scan# 2488

Delta R.T. 0.000 min

Lab File: BM050399.D

Acq: 10 Jul 2025 21:19

Instrument :

BNA_M

ClientSampleId :

G4(0-6)MSD

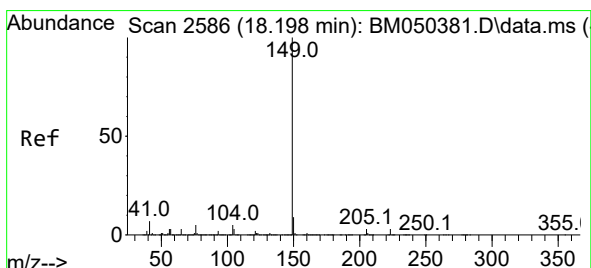
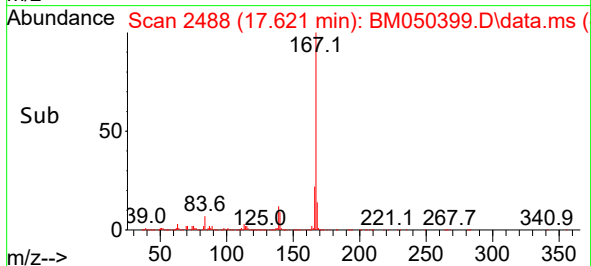
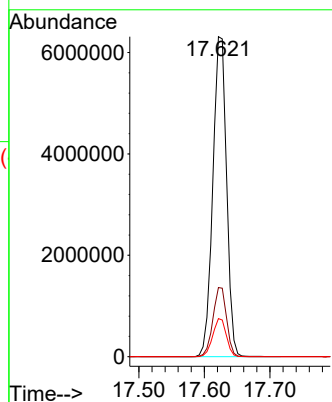
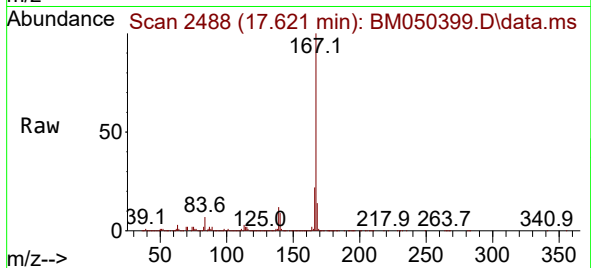
Tgt Ion:167 Resp: 9184441

Ion Ratio Lower Upper

167 100

166 21.6 17.2 25.8

139 11.9 9.9 14.9



#74

Di-n-butylphthalate

Concen: 55.988 ng

RT: 18.198 min Scan# 2586

Delta R.T. 0.000 min

Lab File: BM050399.D

Acq: 10 Jul 2025 21:19

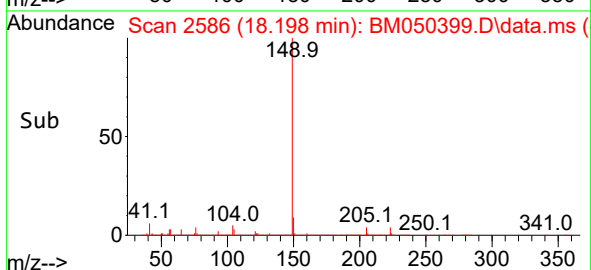
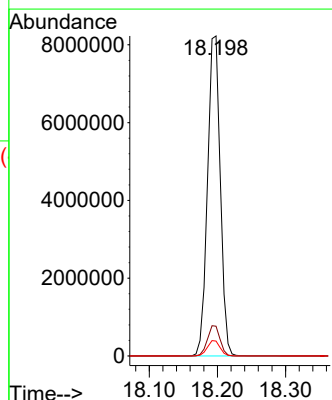
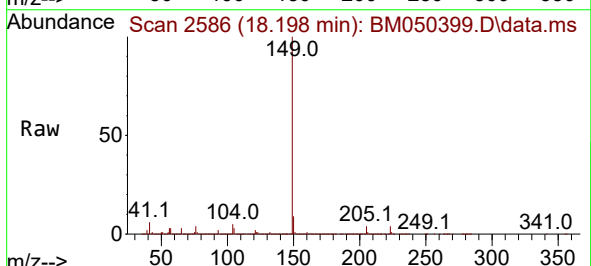
Tgt Ion:149 Resp:10706631

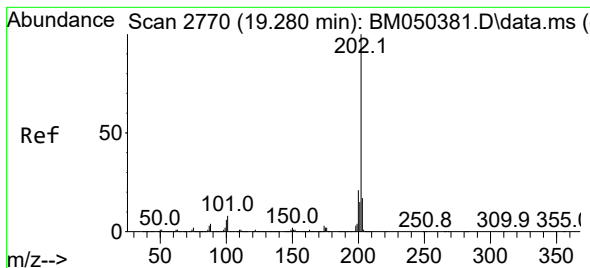
Ion Ratio Lower Upper

149 100

150 9.3 7.3 10.9

104 4.6 3.9 5.9

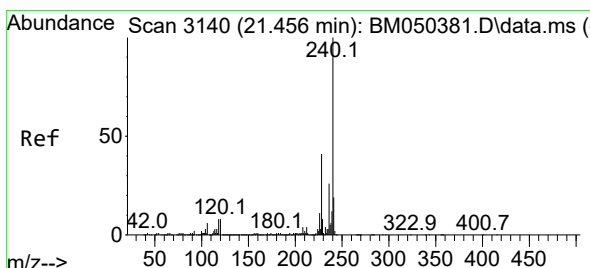
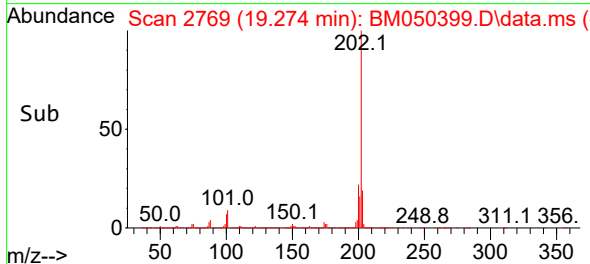
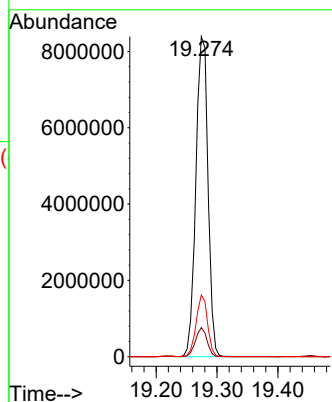
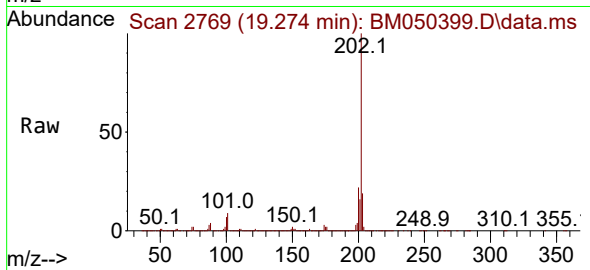




#75
Fluoranthene
Concen: 54.869 ng
RT: 19.274 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

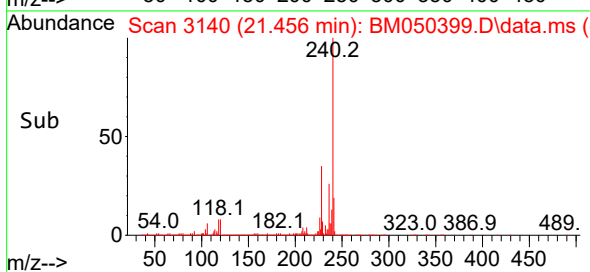
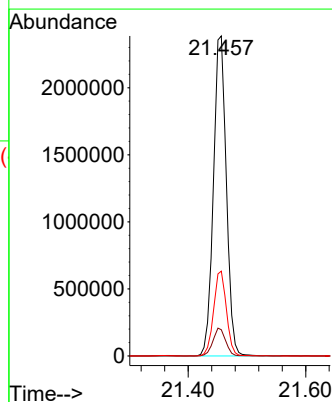
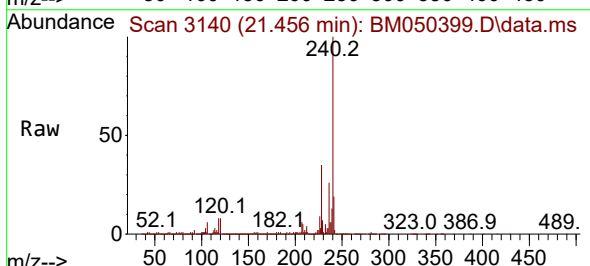
Instrument :
BNA_M
ClientSampleId :
G4(0-6)MSD

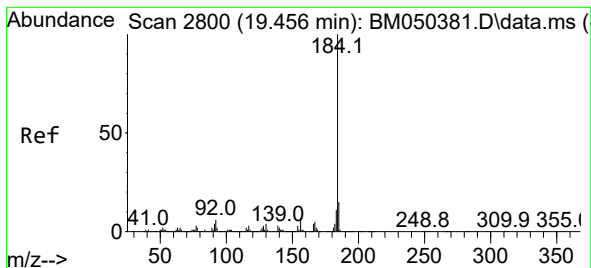
Tgt Ion:202 Resp:11570903
Ion Ratio Lower Upper
202 100
101 9.1 0.0 28.3
203 19.3 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.456 min Scan# 3140
Delta R.T. 0.000 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

Tgt Ion:240 Resp: 3638748
Ion Ratio Lower Upper
240 100
120 8.2 6.7 10.1
236 26.5 20.7 31.1





#77

Benzidine

Concen: 61.917 ng

RT: 19.457 min Scan# 2

Delta R.T. 0.000 min

Lab File: BM050399.D

Acq: 10 Jul 2025 21:19

Instrument :

BNA_M

ClientSampleId :

G4(0-6)MSD

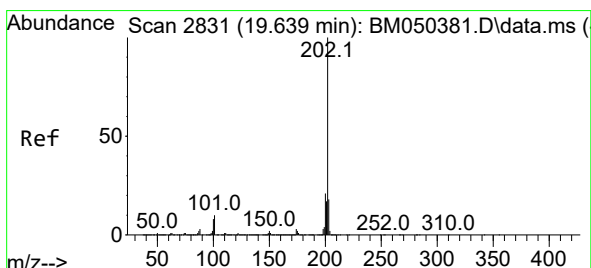
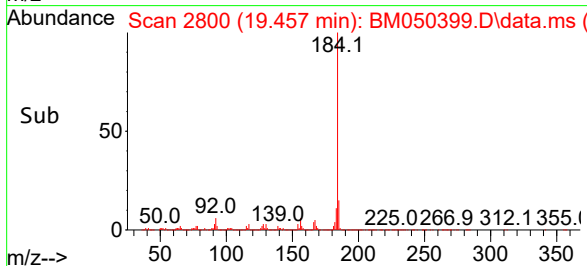
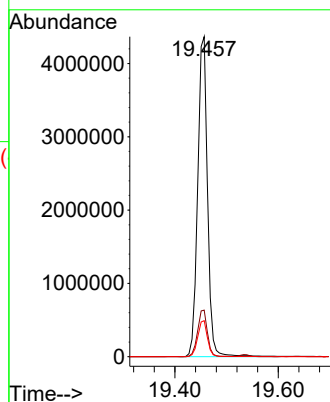
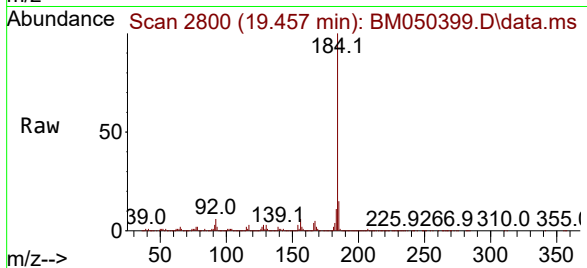
Tgt Ion:184 Resp: 5746638

Ion Ratio Lower Upper

184 100

185 14.5 11.7 17.5

183 11.2 9.0 13.6



#78

Pyrene

Concen: 50.702 ng

RT: 19.633 min Scan# 2830

Delta R.T. -0.006 min

Lab File: BM050399.D

Acq: 10 Jul 2025 21:19

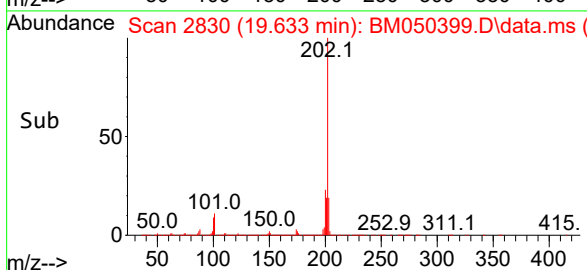
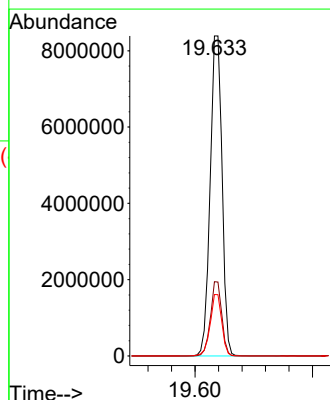
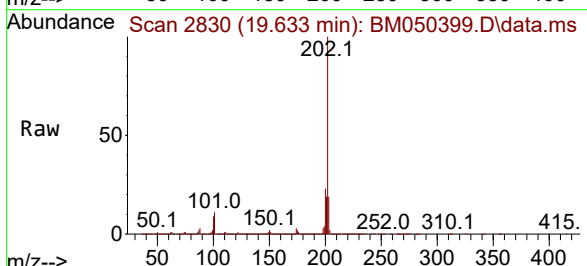
Tgt Ion:202 Resp:11815883

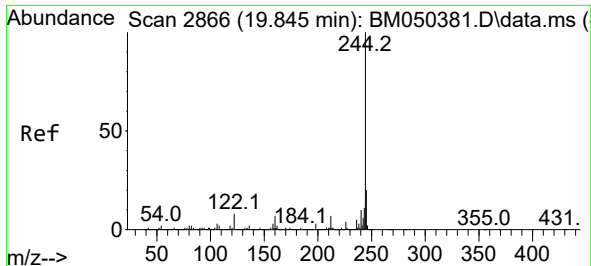
Ion Ratio Lower Upper

202 100

200 23.2 16.9 25.3

203 19.2 14.1 21.1

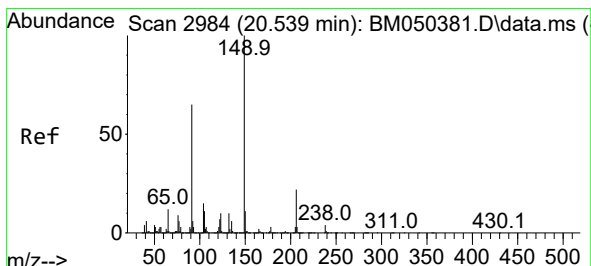
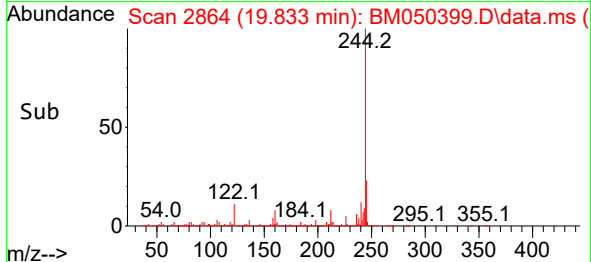
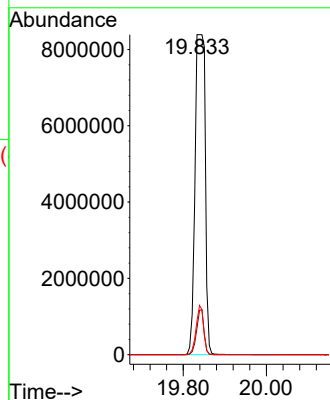
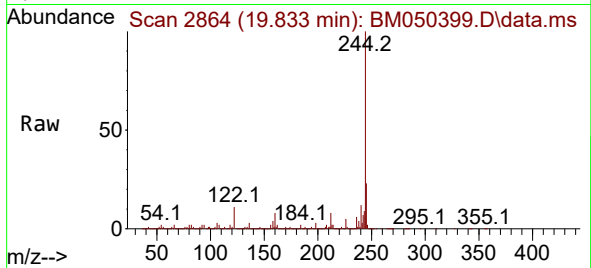




#79
 Terphenyl-d14
 Concen: 69.307 ng
 RT: 19.833 min Scan# 21
 Delta R.T. -0.011 min
 Lab File: BM050399.D
 Acq: 10 Jul 2025 21:19

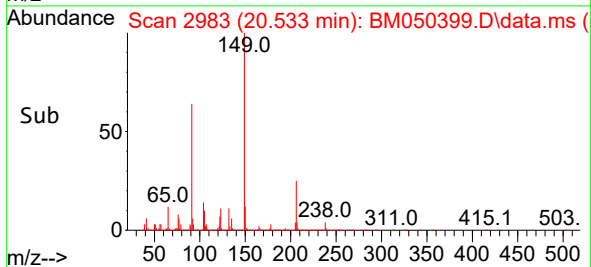
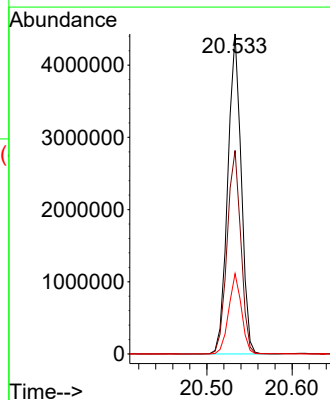
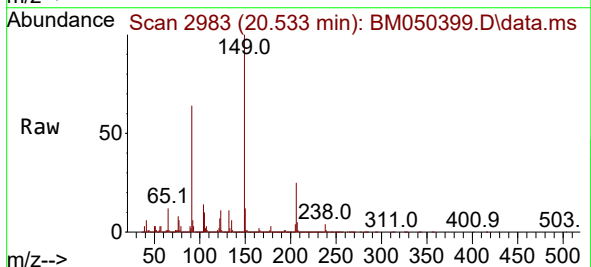
Instrument :
 BNA_M
 ClientSampleId :
 G4(0-6)MSD

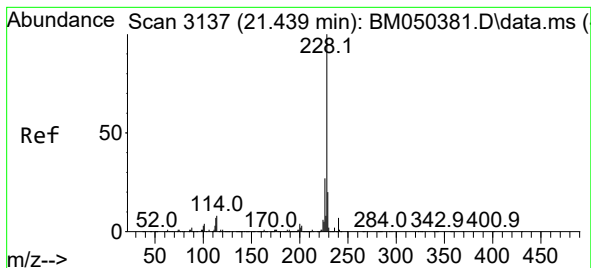
Tgt Ion:244 Resp:14333349
 Ion Ratio Lower Upper
 244 100
 212 8.4 5.7 8.5
 122 10.6 6.2 9.2#



#80
 Butylbenzylphthalate
 Concen: 63.224 ng
 RT: 20.533 min Scan# 2983
 Delta R.T. -0.006 min
 Lab File: BM050399.D
 Acq: 10 Jul 2025 21:19

Tgt Ion:149 Resp: 4858243
 Ion Ratio Lower Upper
 149 100
 91 63.6 51.6 77.4
 206 25.1 17.8 26.8





#81

Benzo(a)anthracene

Concen: 52.364 ng

RT: 21.433 min Scan# 3137

Delta R.T. -0.006 min

Lab File: BM050399.D

Acq: 10 Jul 2025 21:19

Instrument :

BNA_M

ClientSampleId :

G4(0-6)MSD

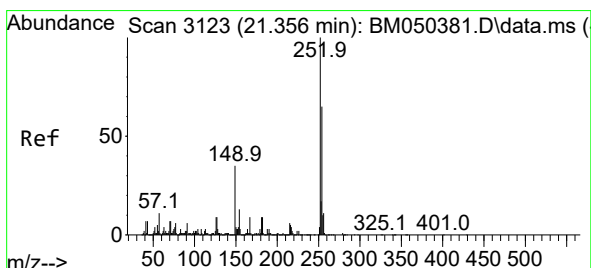
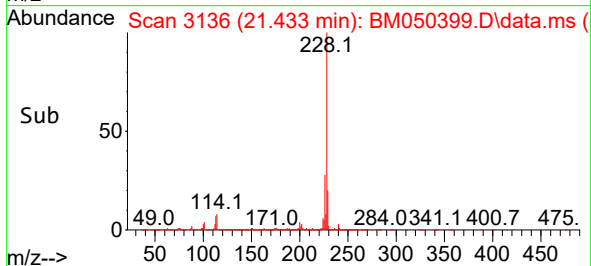
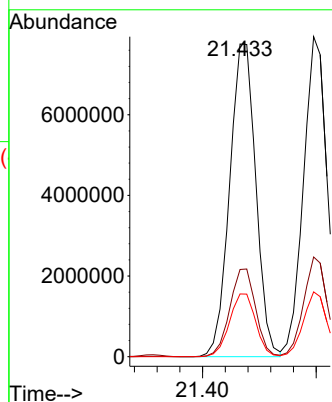
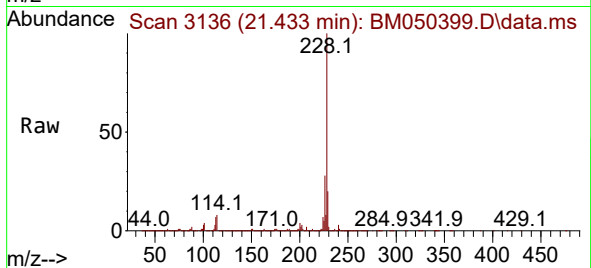
Tgt Ion:228 Resp:12415055

Ion Ratio Lower Upper

228 100

226 27.9 21.8 32.8

229 20.1 16.0 24.0



#82

3,3'-Dichlorobenzidine

Concen: 48.376 ng

RT: 21.357 min Scan# 3123

Delta R.T. 0.000 min

Lab File: BM050399.D

Acq: 10 Jul 2025 21:19

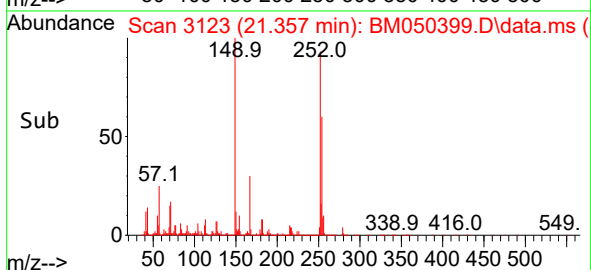
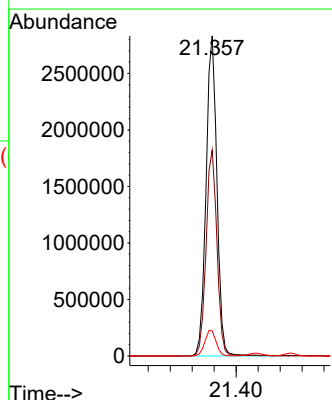
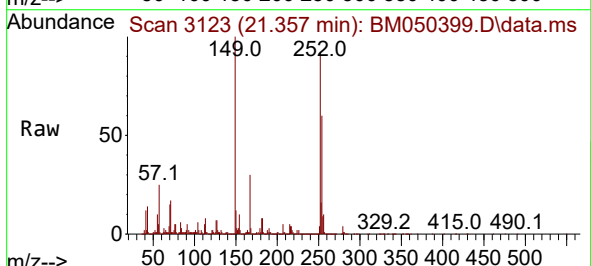
Tgt Ion:252 Resp: 3867860

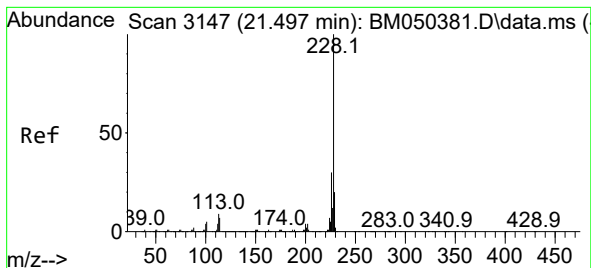
Ion Ratio Lower Upper

252 100

254 64.3 51.7 77.5

126 7.9 7.3 10.9





#83

Chrysene

Concen: 51.151 ng

RT: 21.498 min Scan# 3147

Delta R.T. 0.000 min

Lab File: BM050399.D

Acq: 10 Jul 2025 21:19

Instrument :

BNA_M

ClientSampleId :

G4(0-6)MSD

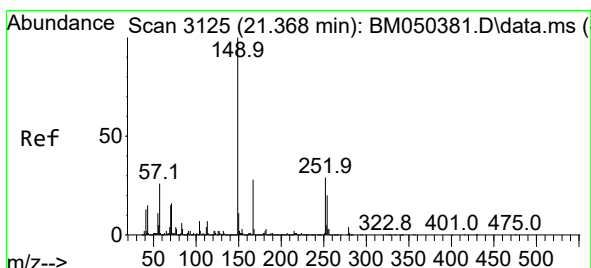
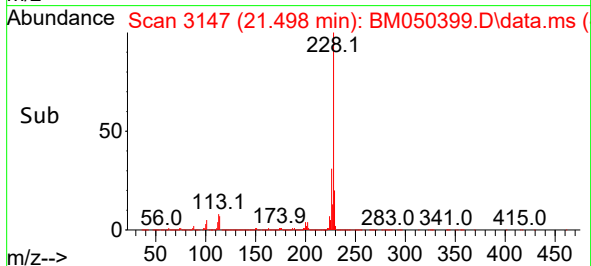
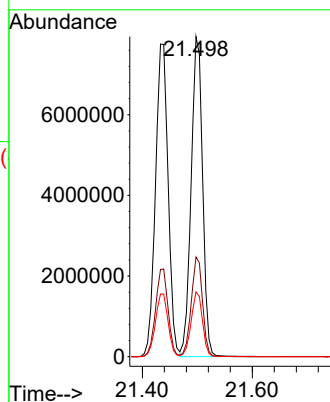
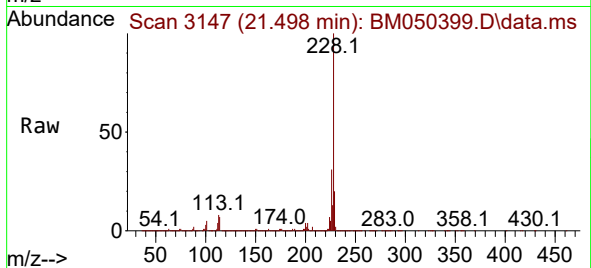
Tgt Ion:228 Resp:11438735

Ion Ratio Lower Upper

228 100

226 31.1 24.2 36.4

229 20.2 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 60.799 ng

RT: 21.368 min Scan# 3125

Delta R.T. 0.000 min

Lab File: BM050399.D

Acq: 10 Jul 2025 21:19

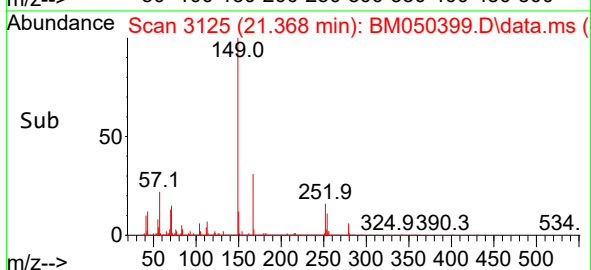
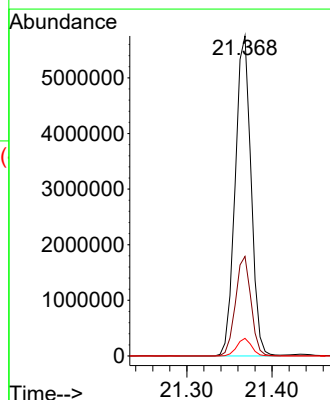
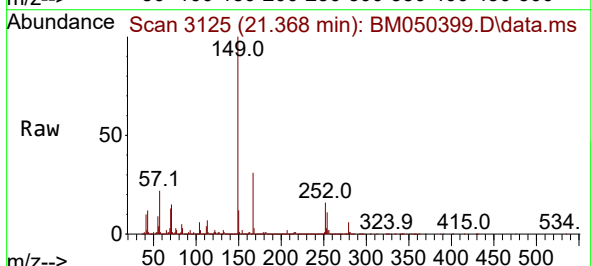
Tgt Ion:149 Resp: 7416555

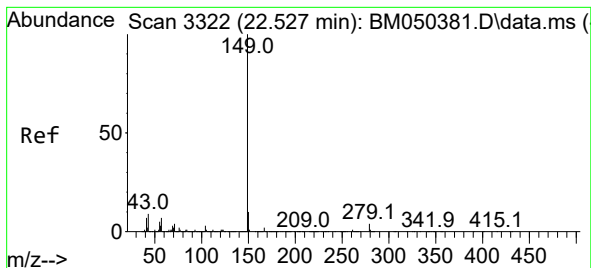
Ion Ratio Lower Upper

149 100

167 31.1 22.7 34.1

279 5.5 3.5 5.3#





#85

Di-n-octyl phthalate

Concen: 63.168 ng

RT: 22.515 min Scan# 31

Delta R.T. -0.011 min

Lab File: BM050399.D

Acq: 10 Jul 2025 21:19

Instrument :

BNA_M

ClientSampleId :

G4(0-6)MSD

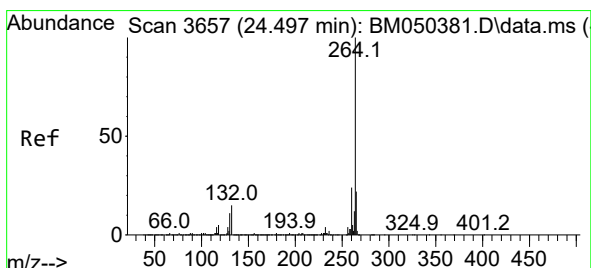
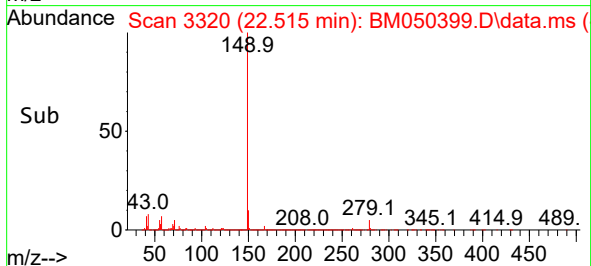
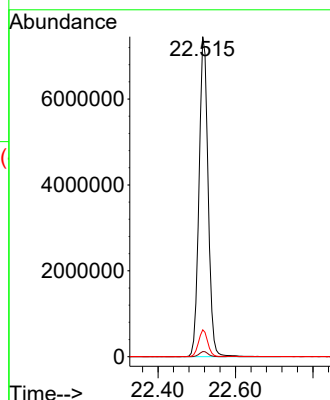
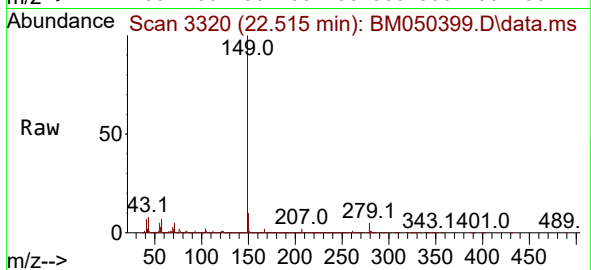
Tgt Ion:149 Resp:12068422

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 8.5 7.7 11.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.492 min Scan# 3656

Delta R.T. -0.006 min

Lab File: BM050399.D

Acq: 10 Jul 2025 21:19

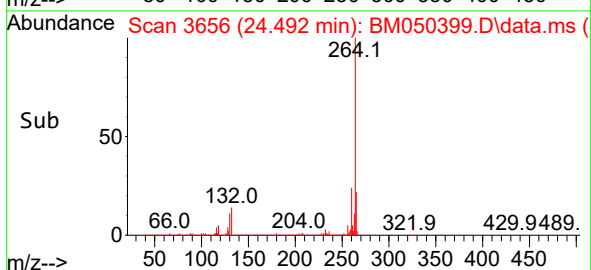
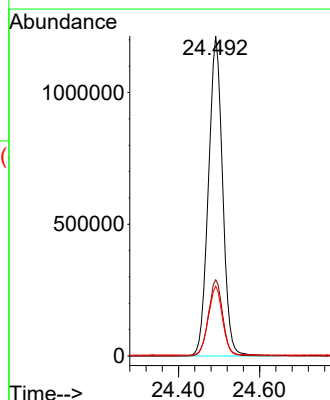
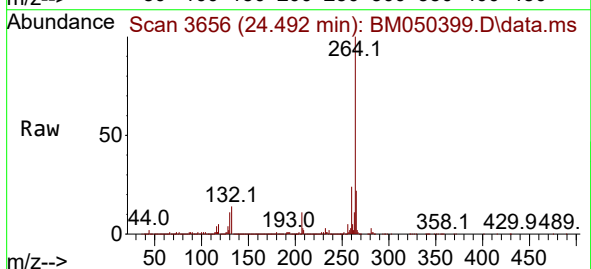
Tgt Ion:264 Resp: 2931501

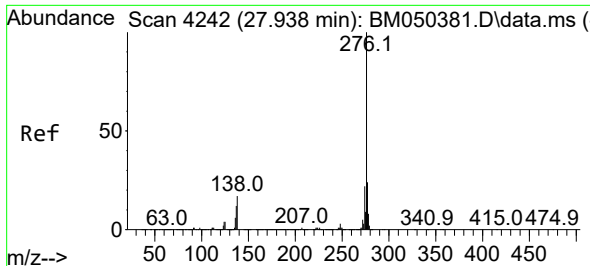
Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

265 21.9 17.8 26.6

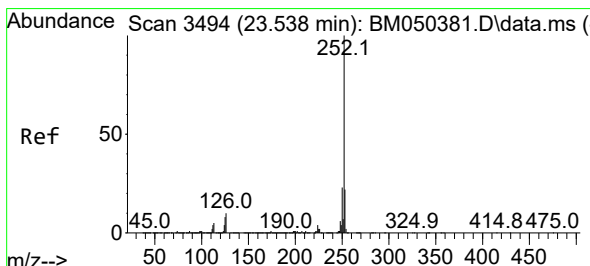
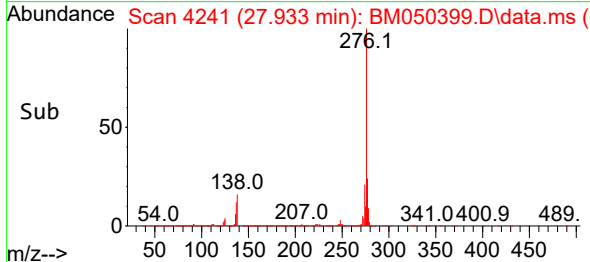
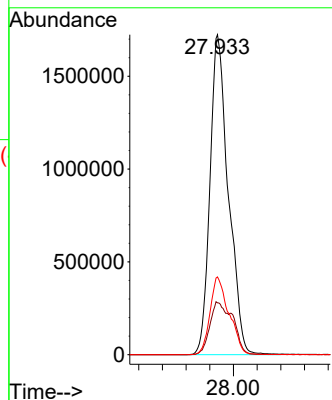
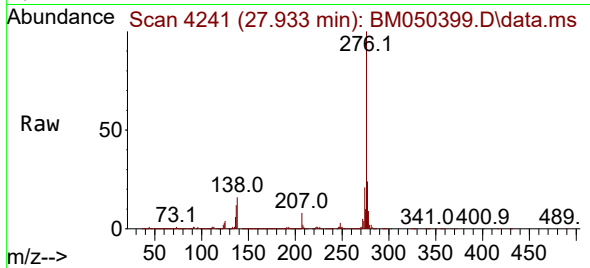




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 44.699 ng
 RT: 27.933 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: BM050399.D
 Acq: 10 Jul 2025 21:19

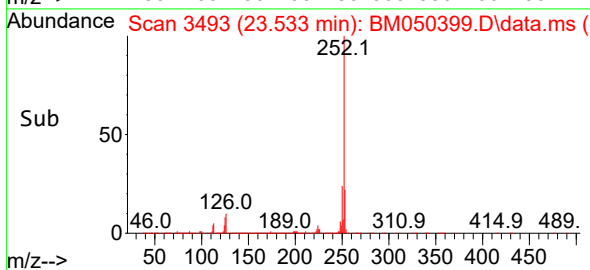
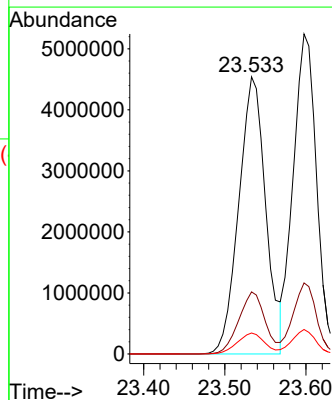
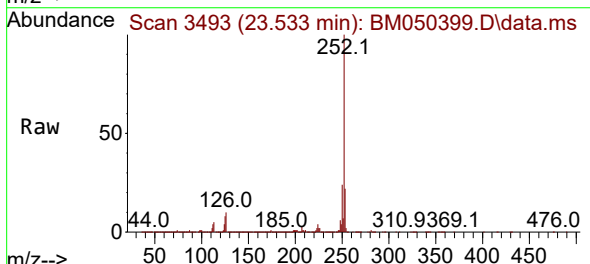
Instrument :
 BNA_M
 ClientSampleId :
 G4(0-6)MSD

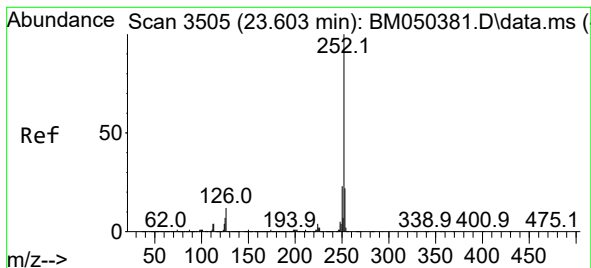
Tgt Ion:276 Resp: 9316457
 Ion Ratio Lower Upper
 276 100
 138 14.8 17.0 25.6#
 277 25.1 20.0 30.0



#88
 Benzo(b)fluoranthene
 Concen: 58.119 ng
 RT: 23.533 min Scan# 3493
 Delta R.T. -0.006 min
 Lab File: BM050399.D
 Acq: 10 Jul 2025 21:19

Tgt Ion:252 Resp:10479789
 Ion Ratio Lower Upper
 252 100
 253 22.4 17.8 26.6
 125 7.6 6.3 9.5





#89

Benzo(k)fluoranthene

Concen: 55.979 ng

RT: 23.598 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM050399.D

Acq: 10 Jul 2025 21:19

Instrument :

BNA_M

ClientSampleId :

G4(0-6)MSD

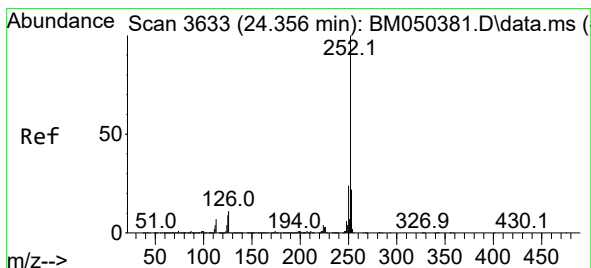
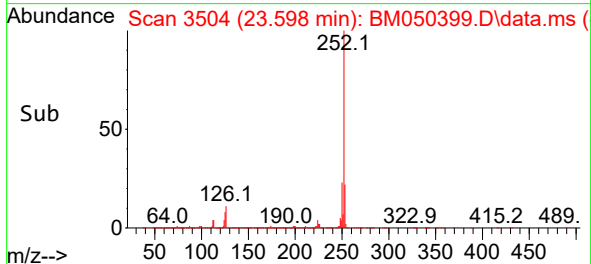
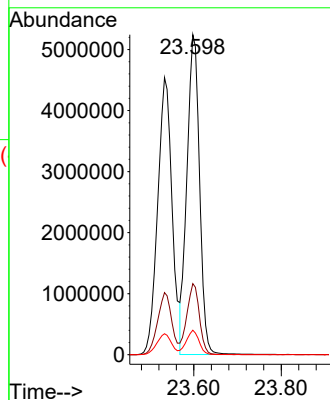
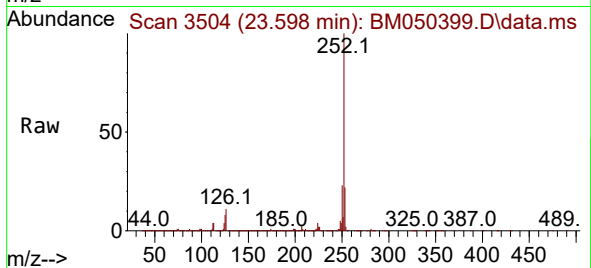
Tgt Ion:252 Resp:10473836

Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

125 7.7 6.2 9.2



#90

Benzo(a)pyrene

Concen: 54.792 ng

RT: 24.350 min Scan# 3632

Delta R.T. -0.006 min

Lab File: BM050399.D

Acq: 10 Jul 2025 21:19

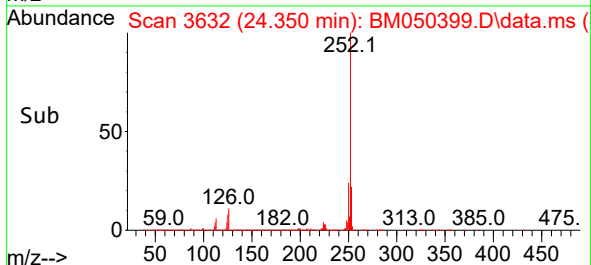
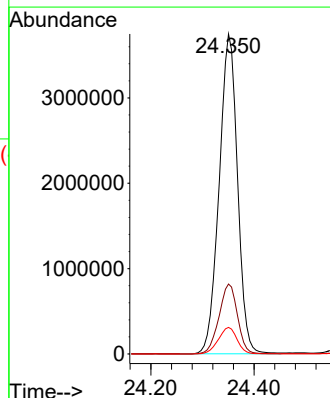
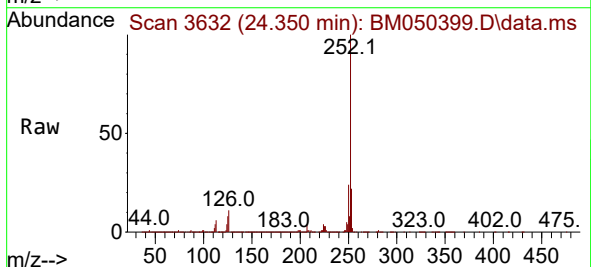
Tgt Ion:252 Resp: 9248624

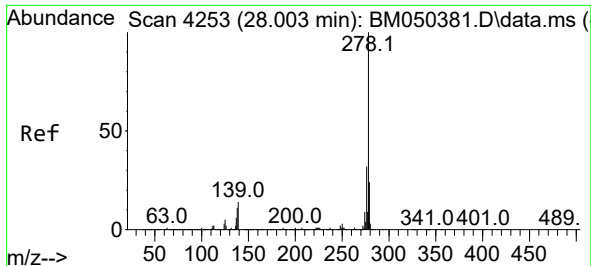
Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.6

125 8.3 7.0 10.4

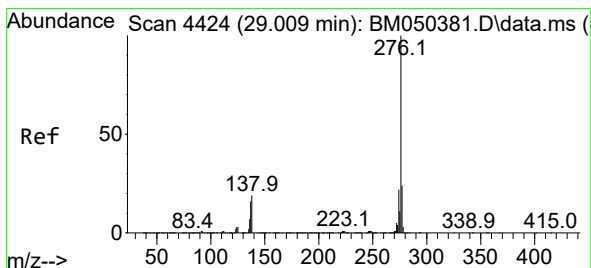
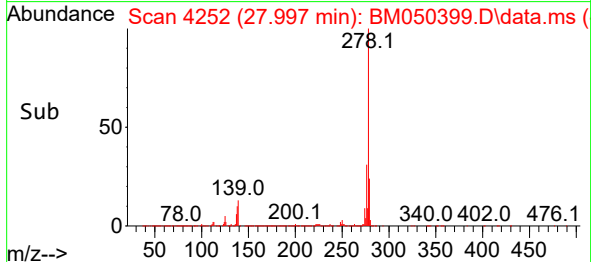
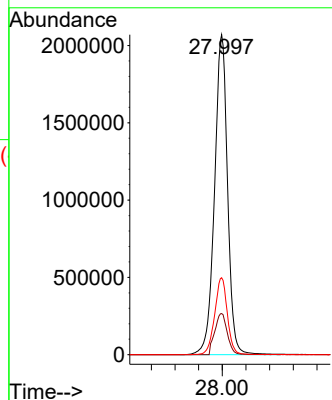
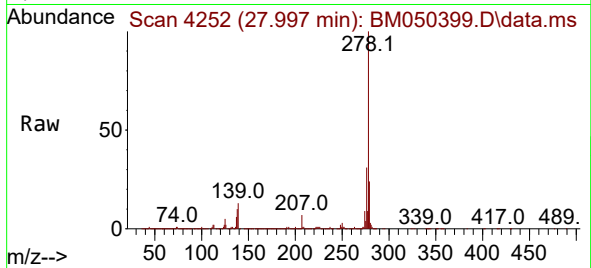




#91
Dibenzo(a,h)anthracene
Concen: 45.037 ng
RT: 27.997 min Scan# 41
Delta R.T. -0.006 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

Instrument :
BNA_M
ClientSampleId :
G4(0-6)MSD

Tgt Ion:278 Resp: 7905464
Ion Ratio Lower Upper
278 100
139 12.8 10.8 16.2
279 24.1 19.4 29.0



#92
Benzo(g,h,i)perylene
Concen: 42.740 ng
RT: 29.003 min Scan# 4423
Delta R.T. -0.006 min
Lab File: BM050399.D
Acq: 10 Jul 2025 21:19

Tgt Ion:276 Resp: 7090463
Ion Ratio Lower Upper
276 100
277 23.8 19.1 28.7
138 17.6 14.9 22.3

