

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071025\
 Data File : BM050396.D
 Acq On : 10 Jul 2025 19:18
 Operator : RC/JU
 Sample : Q2543-02MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-49MSD

Quant Time: Jul 11 01:52:53 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	614645	20.000	ng	0.00
21) Naphthalene-d8	10.663	136	2249894	20.000	ng	0.00
39) Acenaphthene-d10	14.492	164	1411021	20.000	ng	0.00
64) Phenanthrene-d10	17.227	188	2620467	20.000	ng	0.00
76) Chrysene-d12	21.451	240	2225729	20.000	ng	0.00
86) Perylene-d12	24.491	264	2052956	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	3450988	96.645	ng	0.00
7) Phenol-d6	7.022	99	4344227	96.509	ng	0.00
23) Nitrobenzene-d5	9.016	82	2617238	59.348	ng	0.00
42) 2,4,6-Tribromophenol	15.974	330	1874382	109.331	ng	0.00
45) 2-Fluorobiphenyl	13.122	172	6585454	57.636	ng	0.00
79) Terphenyl-d14	19.839	244	8872887	70.141	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.334	88	526142	35.833	ng	99
3) Pyridine	3.728	79	1463732	37.971	ng	98
4) n-Nitrosodimethylamine	3.634	42	731084	40.681	ng	97
6) Aniline	7.187	93	1600639	27.708	ng	99
8) 2-Chlorophenol	7.428	128	1699282	45.131	ng	98
9) Benzaldehyde	6.999	77	1120841	41.859	ng	96
10) Phenol	7.051	94	2089530	44.506	ng	98
11) bis(2-Chloroethyl)ether	7.281	93	1577914	41.966	ng	99
12) 1,3-Dichlorobenzene	7.751	146	1892834	41.343	ng	97
13) 1,4-Dichlorobenzene	7.898	146	1933687	41.363	ng	100
14) 1,2-Dichlorobenzene	8.216	146	1850913	41.355	ng	99
15) Benzyl Alcohol	8.098	79	1388018	43.764	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.387	45	2226210	40.197	ng	99
17) 2-Methylphenol	8.298	107	1348199	44.275	ng	98
18) Hexachloroethane	8.951	117	687851	41.837	ng	96
19) n-Nitroso-di-n-propyla...	8.669	70	1174078	43.055	ng	97
20) 3+4-Methylphenols	8.628	107	1805050	44.157	ng	100
22) Acetophenone	8.681	105	2412140	42.880	ng	98
24) Nitrobenzene	9.057	77	1710224	43.459	ng	99
25) Isophorone	9.592	82	3170615	44.307	ng	99
26) 2-Nitrophenol	9.769	139	815863	50.869	ng	99
27) 2,4-Dimethylphenol	9.834	122	1556239	45.599	ng	97
28) bis(2-Chloroethoxy)met...	10.069	93	2067416	43.600	ng	99
29) 2,4-Dichlorophenol	10.304	162	1647503	46.988	ng	99
30) 1,2,4-Trichlorobenzene	10.522	180	1834623	43.739	ng	99
31) Naphthalene	10.710	128	4898926	42.868	ng	100
32) Benzoic acid	9.969	122	955570	45.912	ng	99
33) 4-Chloroaniline	10.810	127	691231	14.308	ng	100
34) Hexachlorobutadiene	11.004	225	1137979	44.452	ng	99
35) Caprolactam	11.586	113	441432m	46.119	ng	
36) 4-Chloro-3-methylphenol	11.934	107	1526443	46.620	ng	99
37) 2-Methylnaphthalene	12.322	142	3205261	44.421	ng	98
38) 1-Methylnaphthalene	12.539	142	3329442	43.600	ng	99
40) 1,2,4,5-Tetrachloroben...	12.686	216	2132078	47.515	ng	99
41) Hexachlorocyclopentadiene	12.675	237	2667684	93.007	ng	99
43) 2,4,6-Trichlorophenol	12.922	196	1352682	48.974	ng	99

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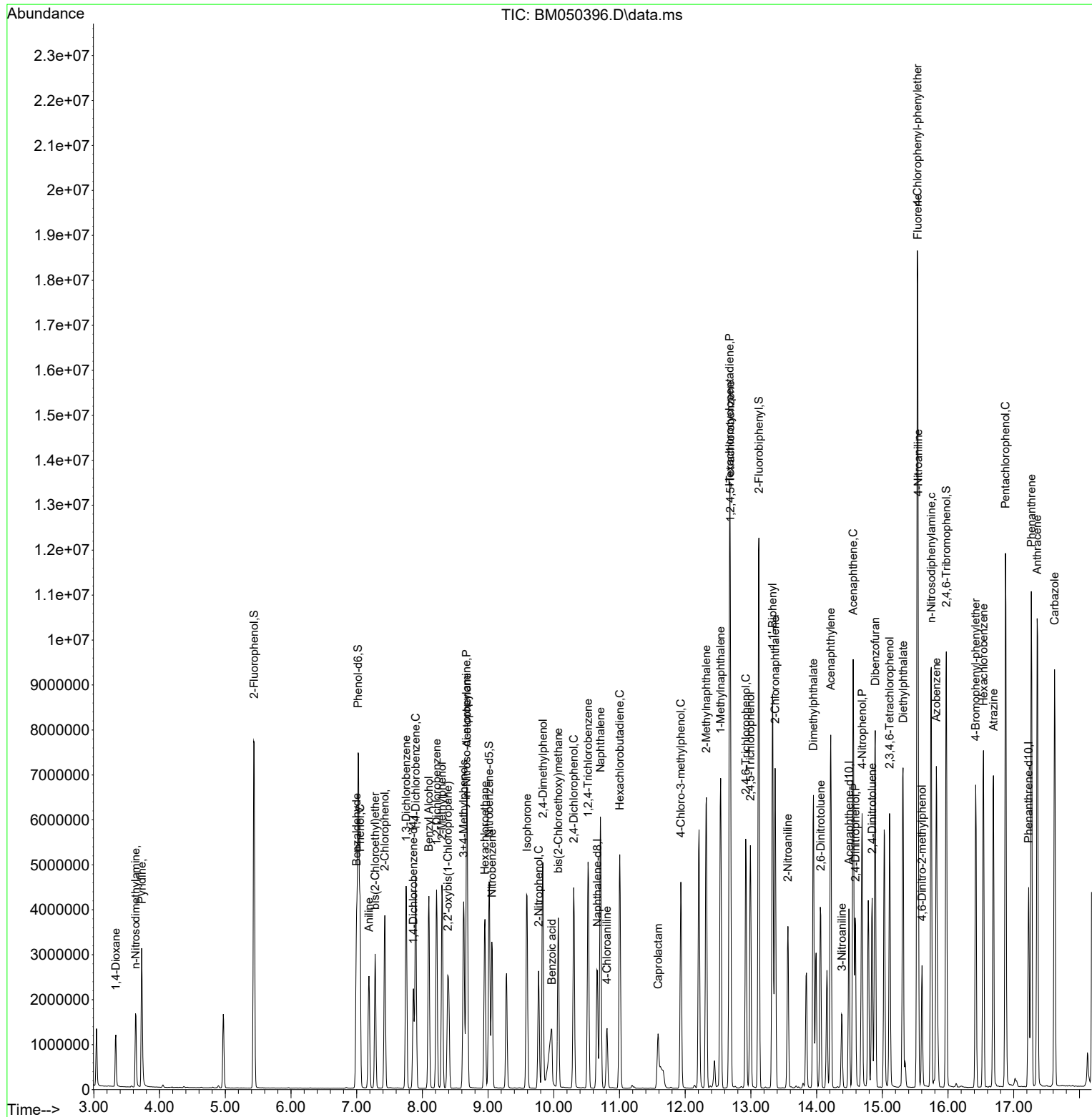
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.992	196	1463609	48.520	ng	98
46) 1,1'-Biphenyl	13.328	154	4649485	44.413	ng	100
47) 2-Chloronaphthalene	13.369	162	3667702	43.941	ng	99
48) 2-Nitroaniline	13.563	65	904642	48.555	ng	96
49) Acenaphthylene	14.216	152	5761234	45.671	ng	99
50) Dimethylphthalate	13.951	163	4319990	44.469	ng	100
51) 2,6-Dinitrotoluene	14.063	165	901694	48.342	ng	96
52) Acenaphthene	14.557	154	3802891	47.419	ng	100
53) 3-Nitroaniline	14.386	138	413233	20.832	ng	98
54) 2,4-Dinitrophenol	14.592	184	800108	77.919	ng	# 83
55) Dibenzofuran	14.892	168	5391696	43.633	ng	99
56) 4-Nitrophenol	14.692	139	1635097	95.852	ng	92
57) 2,4-Dinitrotoluene	14.845	165	1264089	45.426	ng	97
58) Fluorene	15.539	166	4571931	44.919	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.110	232	1225508	48.262	ng	98
60) Diethylphthalate	15.316	149	4182651	45.073	ng	100
61) 4-Chlorophenyl-phenyle...	15.533	204	2412571	45.332	ng	97
62) 4-Nitroaniline	15.545	138	898277	39.854	ng	98
63) Azobenzene	15.821	77	4023579	47.219	ng	99
65) 4,6-Dinitro-2-methylph...	15.604	198	583318	42.265	ng	93
66) n-Nitrosodiphenylamine	15.745	169	3786842	46.182	ng	100
67) 4-Bromophenyl-phenylether	16.421	248	1395382	48.331	ng	98
68) Hexachlorobenzene	16.539	284	1591047	46.659	ng	96
69) Atrazine	16.692	200	1315239	48.847	ng	100
70) Pentachlorophenol	16.874	266	2107205	99.269	ng	100
71) Phenanthrene	17.268	178	6667527	44.966	ng	100
72) Anthracene	17.357	178	6745323	45.700	ng	100
73) Carbazole	17.621	167	5906740	44.228	ng	100
74) Di-n-butylphthalate	18.198	149	6999012	47.880	ng	100
75) Fluoranthene	19.274	202	8007356	49.674	ng	99
77) Benzidine	19.451	184	4081856	71.901	ng	100
78) Pyrene	19.639	202	8094743	56.786	ng	100
80) Butylbenzylphthalate	20.533	149	2664337	56.685	ng	99
81) Benzo(a)anthracene	21.433	228	7089619	48.887	ng	99
82) 3,3'-Dichlorobenzidine	21.351	252	1157046	23.658	ng	100
83) Chrysene	21.498	228	6589909	48.177	ng	100
84) Bis(2-ethylhexyl)phtha...	21.368	149	3966910	53.165	ng	97
85) Di-n-octyl phthalate	22.515	149	6199820	53.052	ng	99
87) Indeno(1,2,3-cd)pyrene	27.938	276	7120824	48.785	ng	99
88) Benzo(b)fluoranthene	23.533	252	6338332	50.194	ng	100
89) Benzo(k)fluoranthene	23.597	252	6281505	47.940	ng	100
90) Benzo(a)pyrene	24.344	252	5972104	50.522	ng	100
91) Dibenzo(a,h)anthracene	27.991	278	5721036	46.540	ng	100
92) Benzo(g,h,i)perylene	29.003	276	5692682	48.999	ng	98

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

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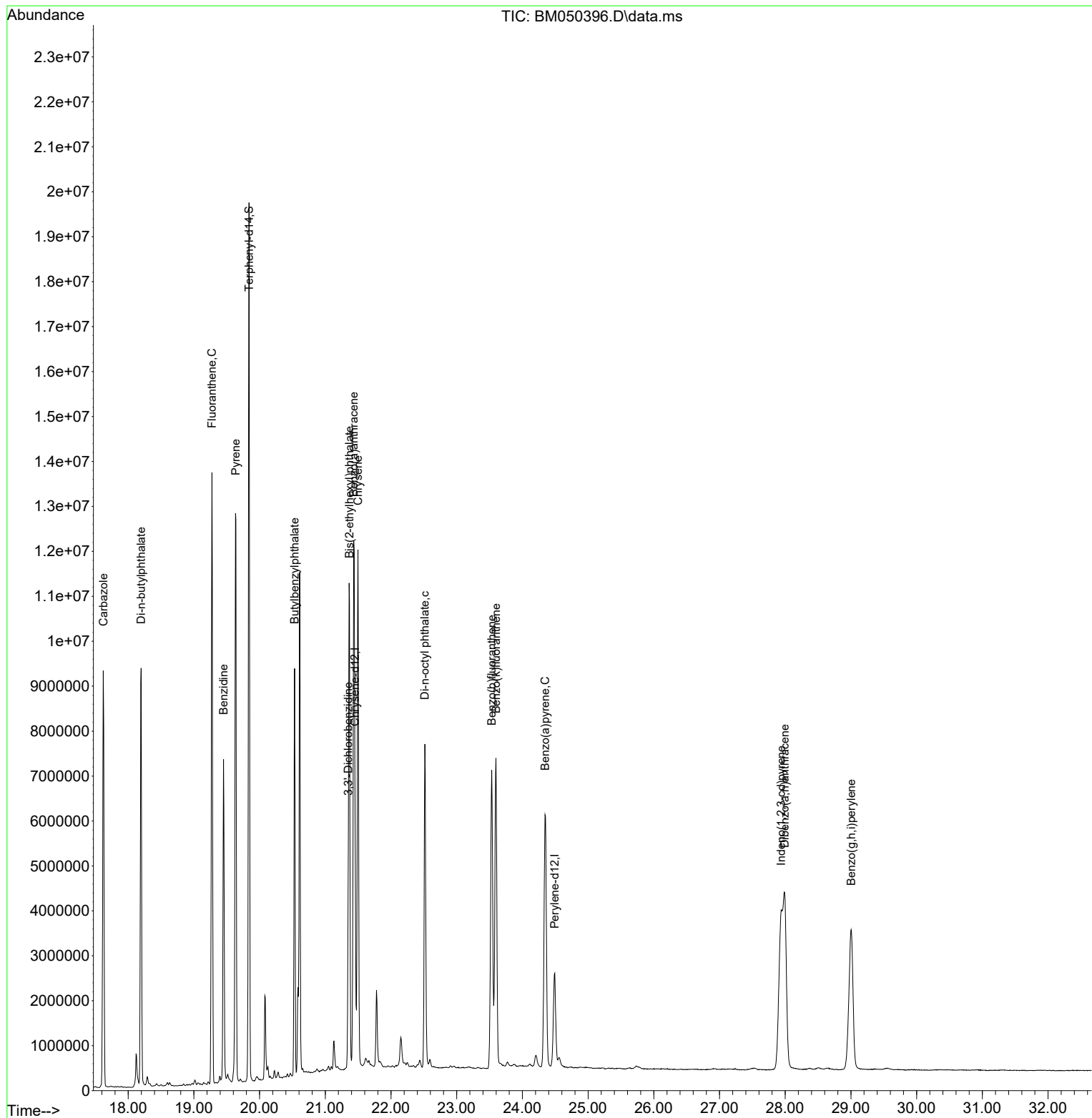
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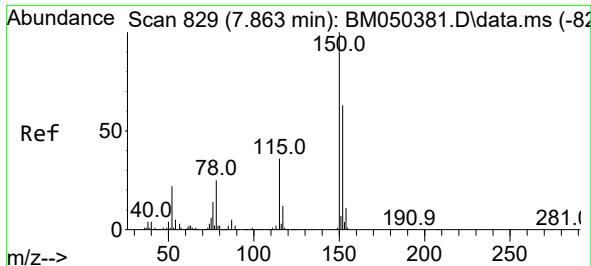


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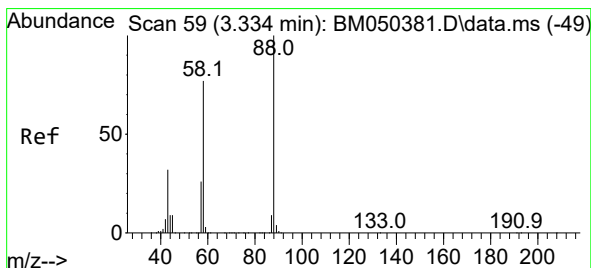
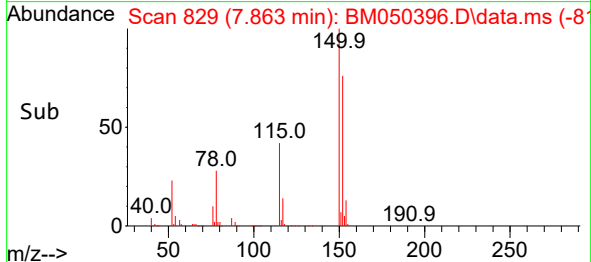
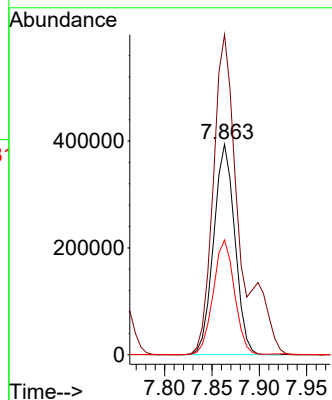
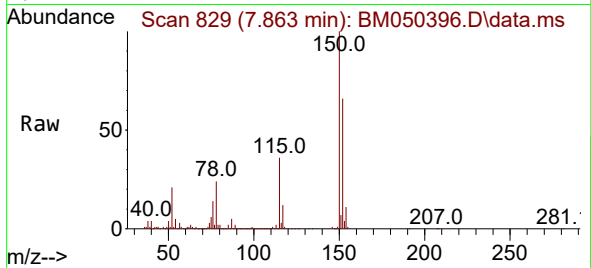




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.863 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BM050396.D
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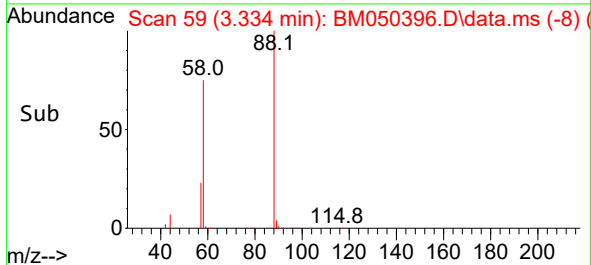
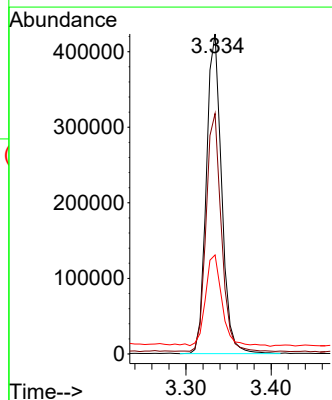
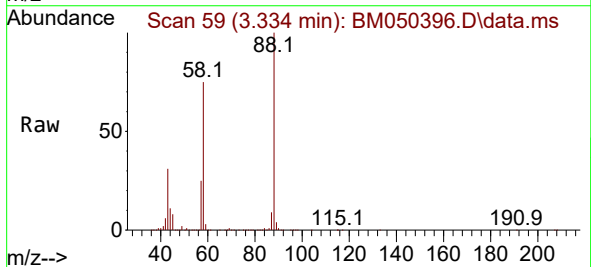
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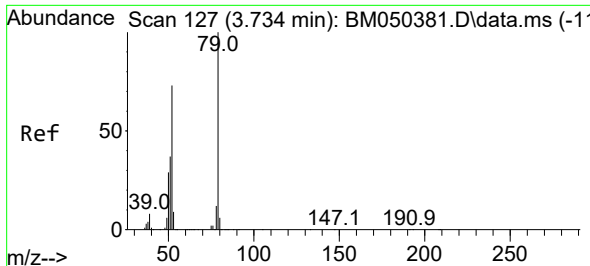
Tgt Ion:152 Resp: 614645
 Ion Ratio Lower Upper
 152 100
 150 152.1 126.2 189.4
 115 54.5 45.8 68.8



#2
 1,4-Dioxane
 Concen: 35.833 ng
 RT: 3.334 min Scan# 59
 Delta R.T. 0.000 min
 Lab File: BM050396.D
 Acq: 10 Jul 2025 19:18

Tgt Ion: 88 Resp: 526142
 Ion Ratio Lower Upper
 88 100
 58 75.0 61.0 91.6
 43 31.0 24.6 37.0



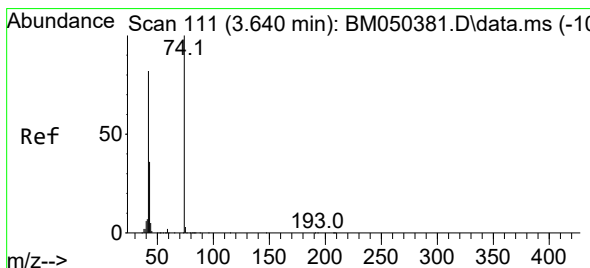
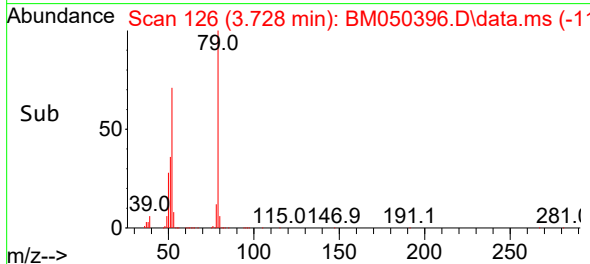
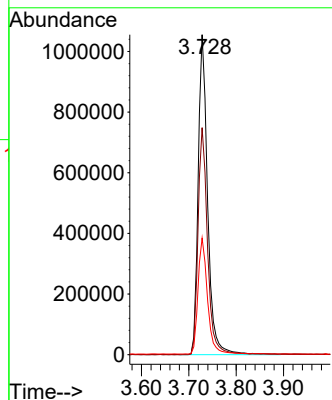
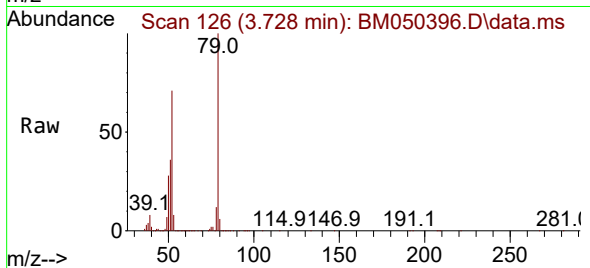


#3
 Pyridine
 Concen: 37.971 ng
 RT: 3.728 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BM050396.D
 Acq: 10 Jul 2025 19:18

Instrument :
 BNA_M
 ClientSampleId :
 TP-49MSD

Tgt Ion: 79 Resp: 1463732

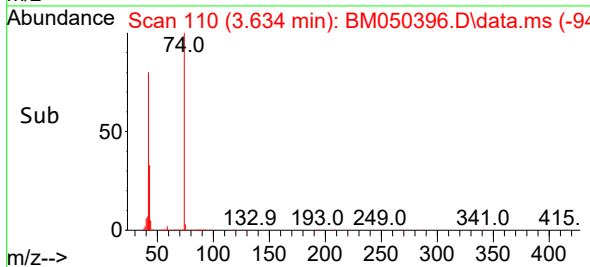
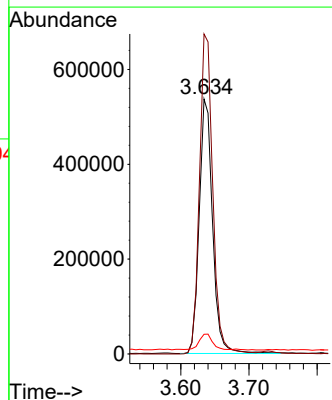
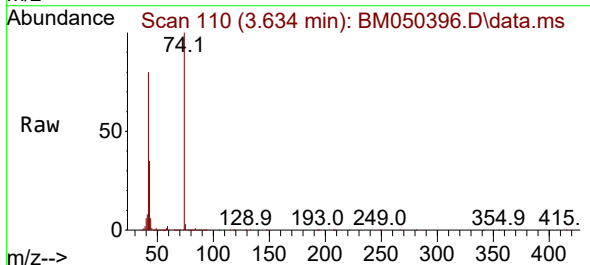
Ion	Ratio	Lower	Upper
79	100		
52	70.9	58.3	87.5
51	36.4	29.6	44.4

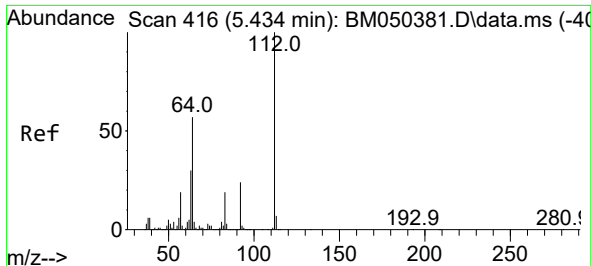


#4
 n-Nitrosodimethylamine
 Concen: 40.681 ng
 RT: 3.634 min Scan# 110
 Delta R.T. -0.006 min
 Lab File: BM050396.D
 Acq: 10 Jul 2025 19:18

Tgt Ion: 42 Resp: 731084

Ion	Ratio	Lower	Upper
42	100		
74	125.5	97.5	146.3
44	7.7	5.7	8.5

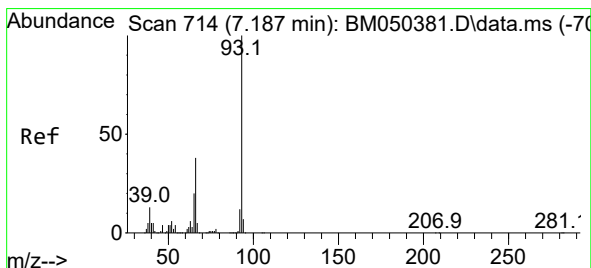
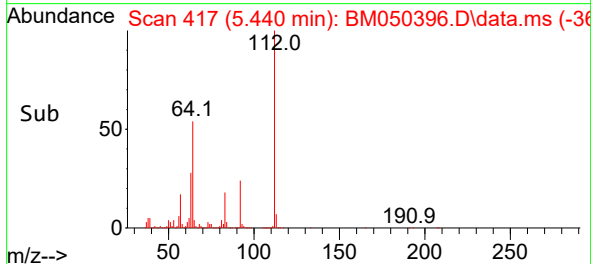
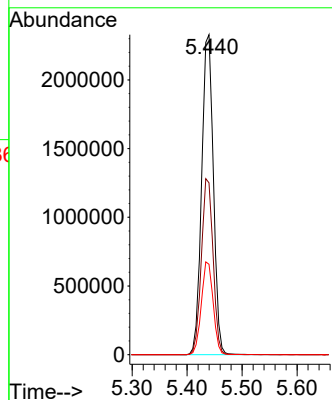
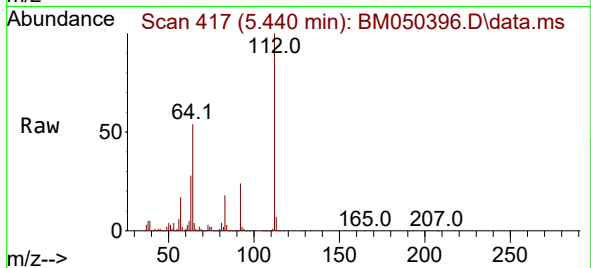




#5
2-Fluorophenol
Concen: 96.645 ng
RT: 5.440 min Scan# 416
Delta R.T. 0.006 min
Lab File: BM050396.D
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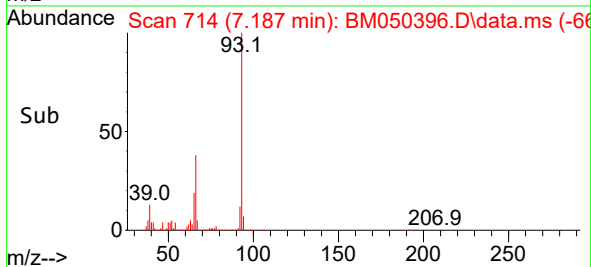
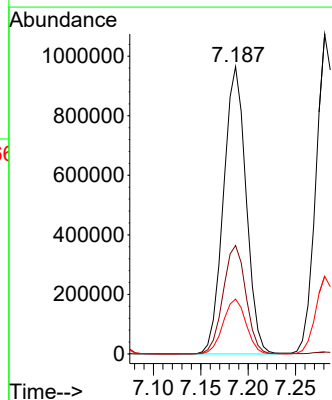
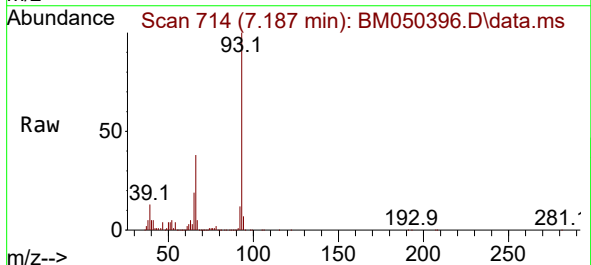
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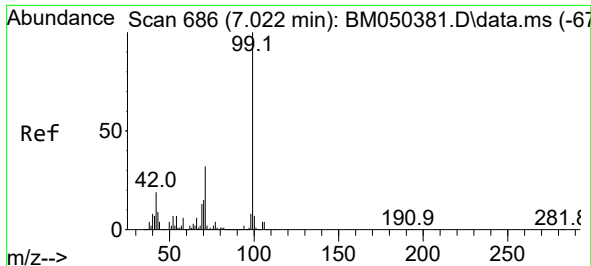
Tgt Ion:112 Resp: 3450988
Ion Ratio Lower Upper
112 100
64 53.7 45.5 68.3
63 28.2 24.2 36.4



#6
Aniline
Concen: 27.708 ng
RT: 7.187 min Scan# 714
Delta R.T. 0.000 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

Tgt Ion: 93 Resp: 1600639
Ion Ratio Lower Upper
93 100
66 37.8 30.5 45.7
65 19.1 15.9 23.9

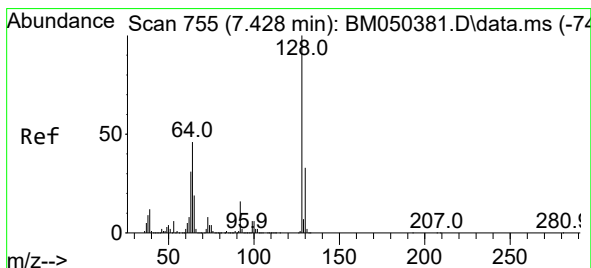
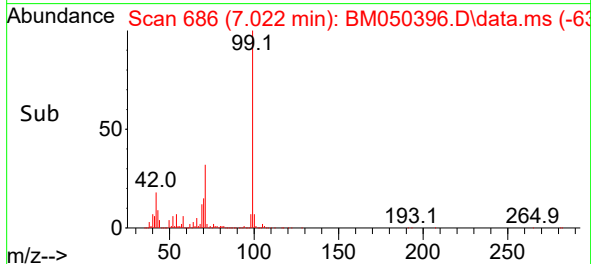
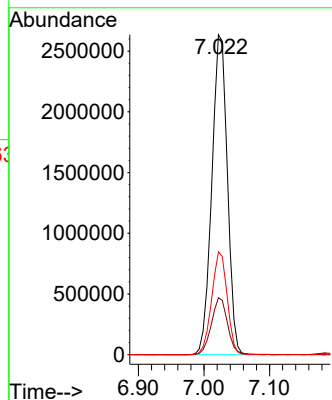
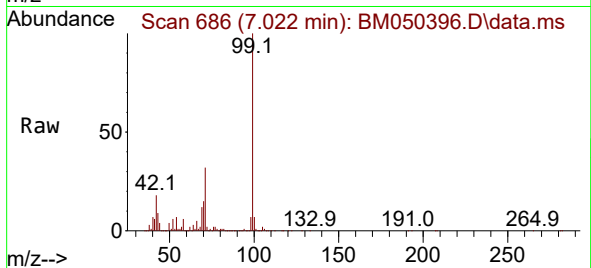




#7
Phenol-d6
Concen: 96.509 ng
RT: 7.022 min Scan# 686
Delta R.T. 0.000 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

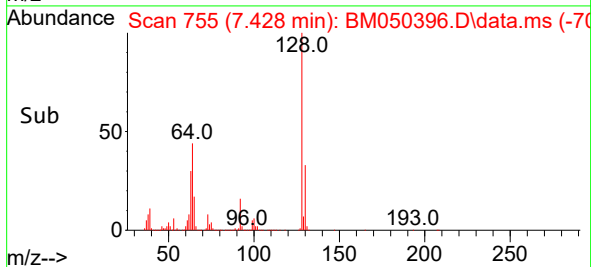
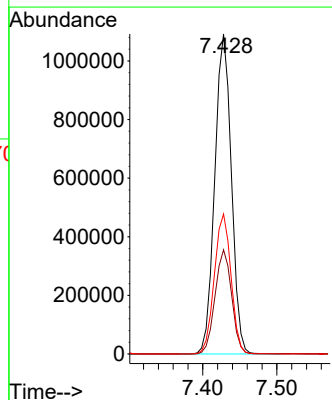
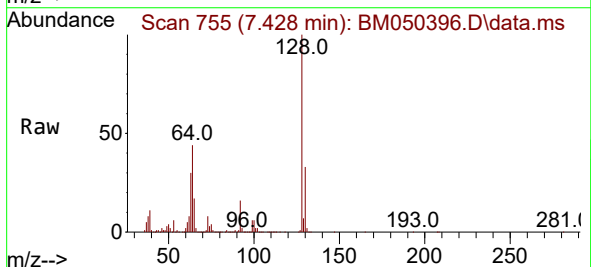
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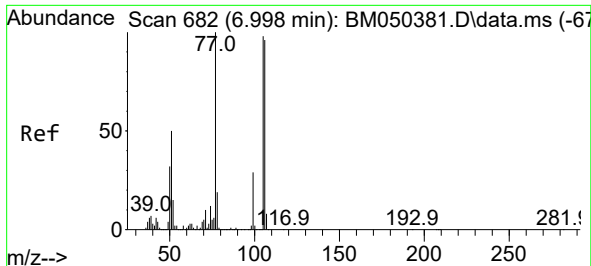
Tgt Ion: 99 Resp: 4344227
Ion Ratio Lower Upper
99 100
42 17.8 15.0 22.6
71 32.1 25.9 38.9



#8
2-Chlorophenol
Concen: 45.131 ng
RT: 7.428 min Scan# 755
Delta R.T. 0.000 min
Lab File: BM050396.D
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Tgt Ion:128 Resp: 1699282
Ion Ratio Lower Upper
128 100
130 32.5 13.3 53.3
64 43.8 25.6 65.6

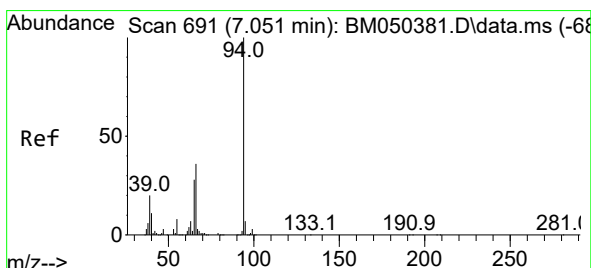
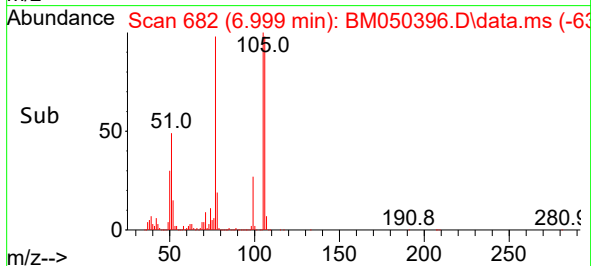
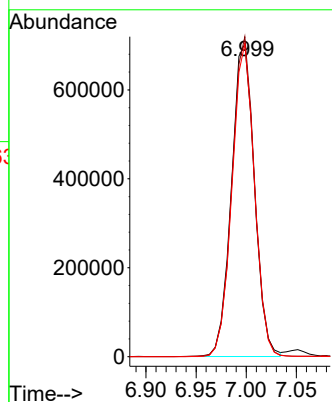
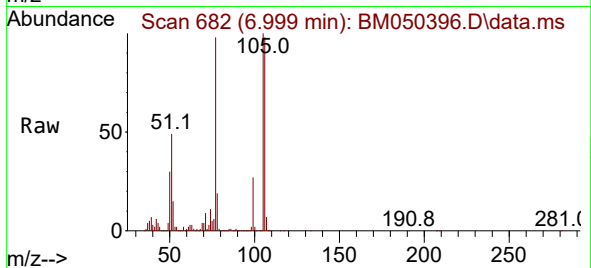




#9
Benzaldehyde
Concen: 41.859 ng
RT: 6.999 min Scan# 682
Delta R.T. 0.001 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

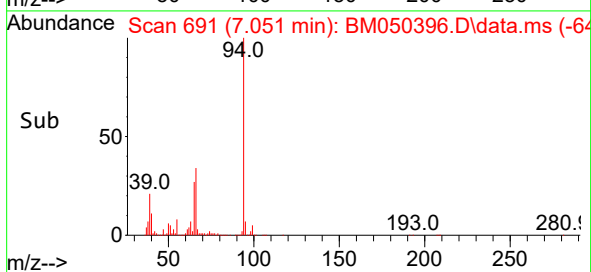
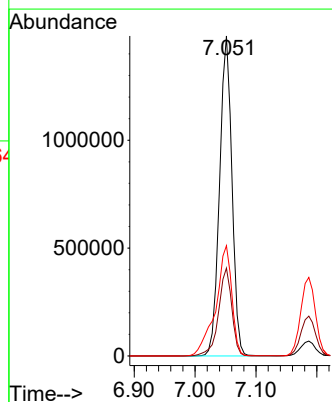
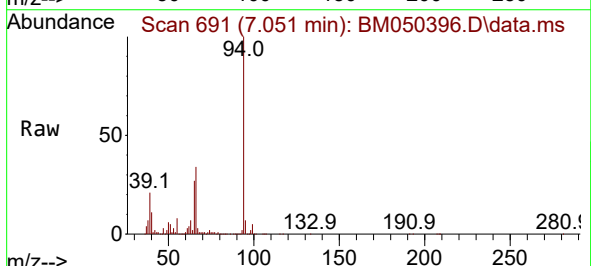
Instrument :
BNA_M
ClientSampleId :
TP-49MSD

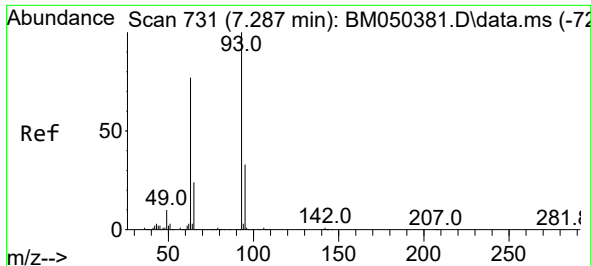
Tgt Ion: 77 Resp: 1120841
Ion Ratio Lower Upper
77 100
105 102.2 78.4 118.4
106 100.0 76.3 116.3



#10
Phenol
Concen: 44.506 ng
RT: 7.051 min Scan# 691
Delta R.T. 0.000 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

Tgt Ion: 94 Resp: 2089530
Ion Ratio Lower Upper
94 100
65 27.5 8.1 48.1
66 34.4 15.8 55.8

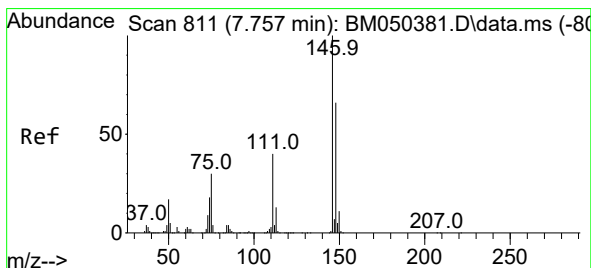
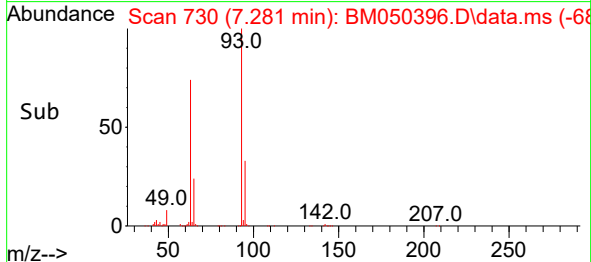
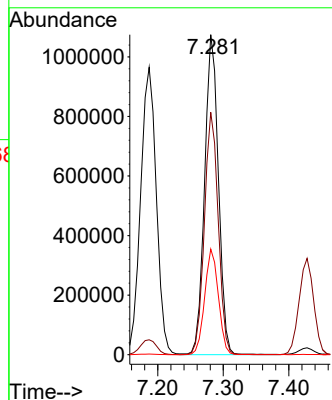
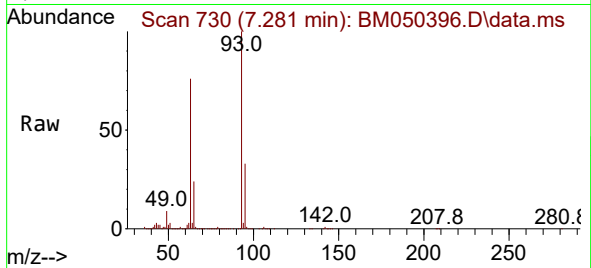




#11
bis(2-Chloroethyl)ether
Concen: 41.966 ng
RT: 7.281 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

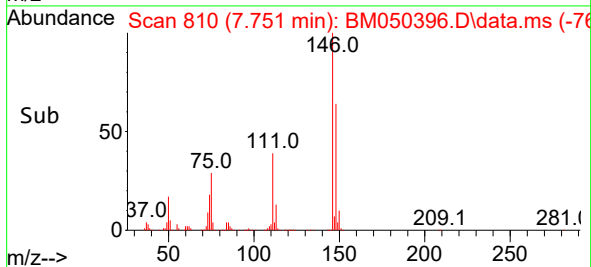
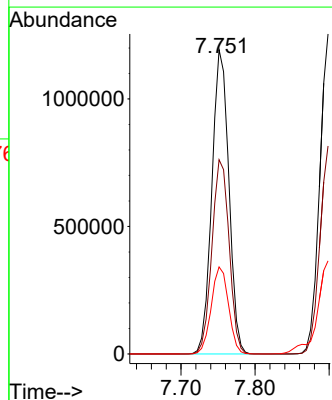
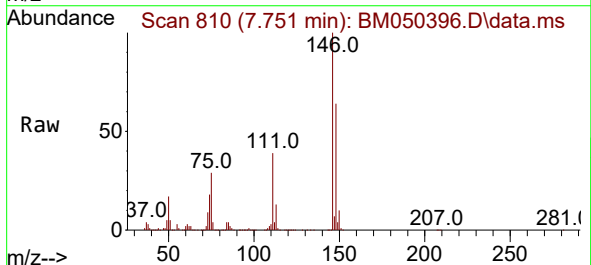
Instrument :
BNA_M
ClientSampleId :
TP-49MSD

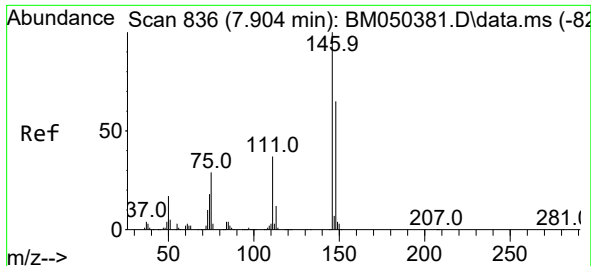
Tgt Ion: 93 Resp: 1577914
Ion Ratio Lower Upper
93 100
63 75.7 56.9 96.9
95 33.0 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 41.343 ng
RT: 7.751 min Scan# 810
Delta R.T. -0.006 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

Tgt Ion:146 Resp: 1892834
Ion Ratio Lower Upper
146 100
148 63.8 53.2 79.8
75 28.6 23.9 35.9

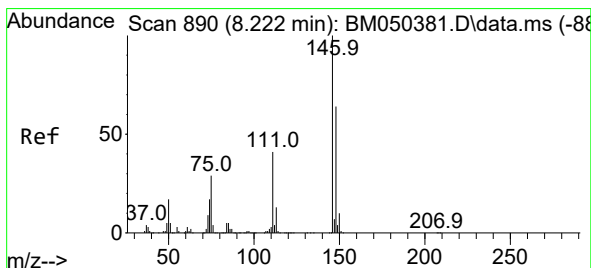
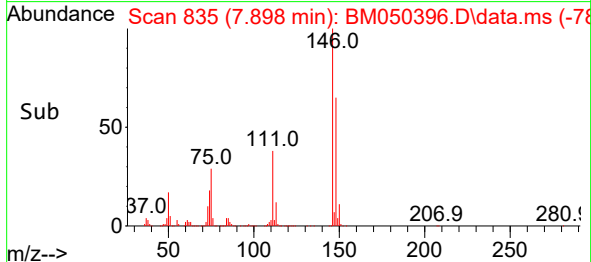
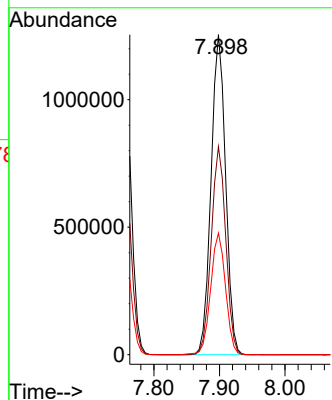
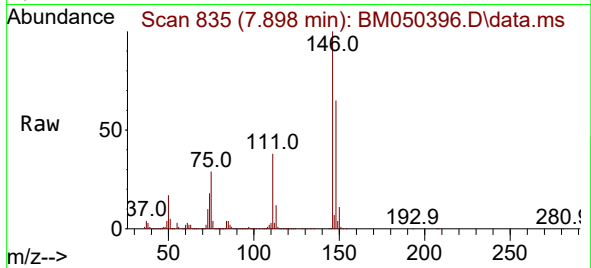




#13
1,4-Dichlorobenzene
Concen: 41.363 ng
RT: 7.898 min Scan# 811
Delta R.T. -0.006 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

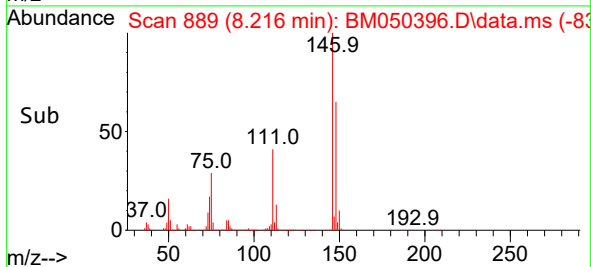
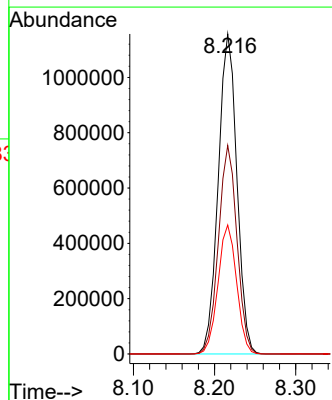
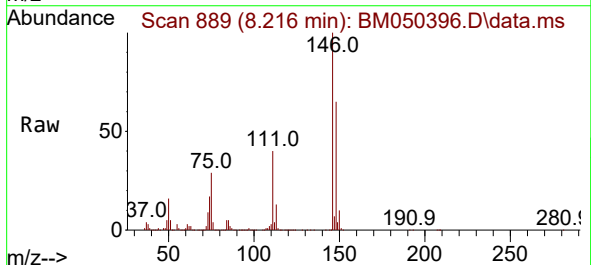
Instrument :
BNA_M
ClientSampleId :
TP-49MSD

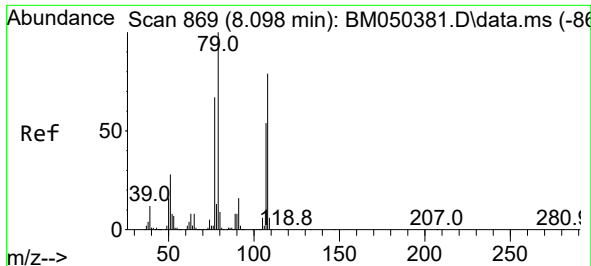
Tgt Ion:146 Resp: 1933687
Ion Ratio Lower Upper
146 100
148 65.0 51.9 77.9
111 38.0 30.0 45.0



#14
1,2-Dichlorobenzene
Concen: 41.355 ng
RT: 8.216 min Scan# 889
Delta R.T. -0.006 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

Tgt Ion:146 Resp: 1850913
Ion Ratio Lower Upper
146 100
148 65.2 51.5 77.3
111 40.3 32.6 49.0

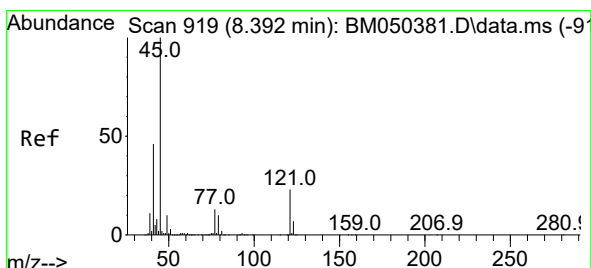
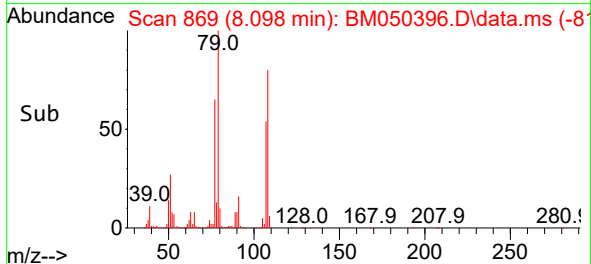
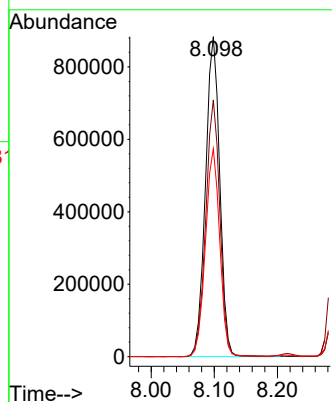
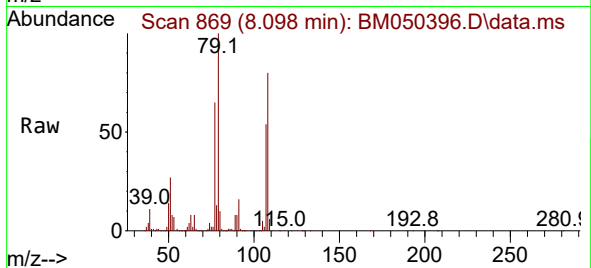




#15
Benzyl Alcohol
Concen: 43.764 ng
RT: 8.098 min Scan# 869
Delta R.T. 0.000 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

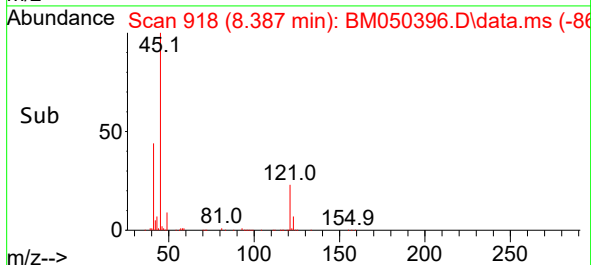
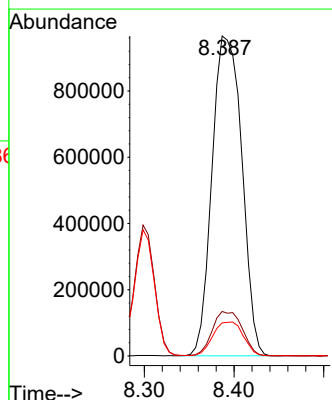
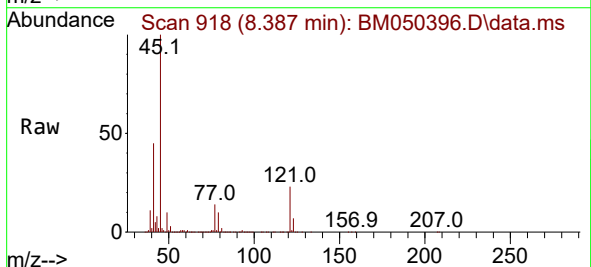
Instrument :
BNA_M
ClientSampleId :
TP-49MSD

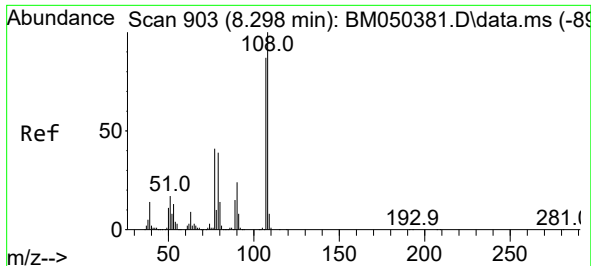
Tgt Ion: 79 Resp: 1388018
Ion Ratio Lower Upper
79 100
108 80.3 63.0 94.4
77 65.0 53.4 80.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.197 ng
RT: 8.387 min Scan# 918
Delta R.T. -0.006 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

Tgt Ion: 45 Resp: 2226210
Ion Ratio Lower Upper
45 100
77 13.9 0.0 33.5
79 10.3 0.0 30.3



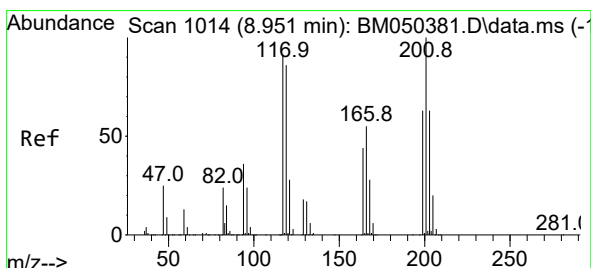
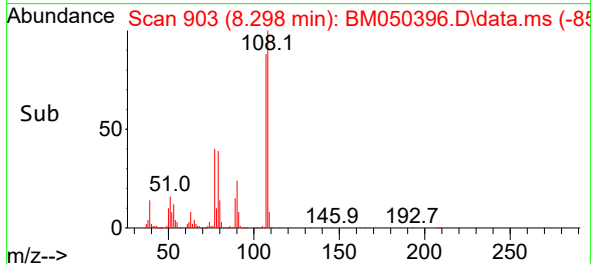
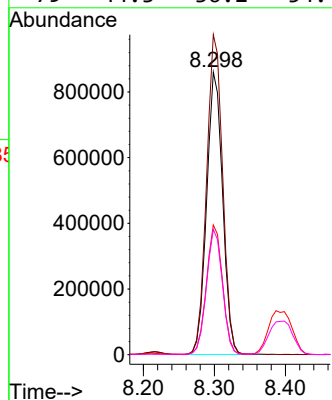
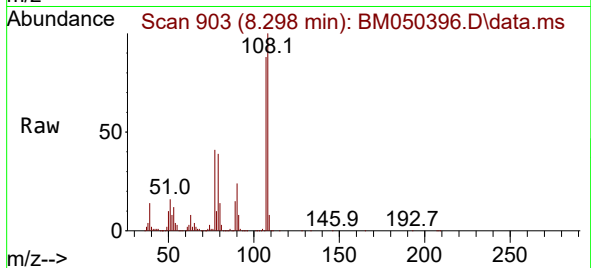


#17
2-Methylphenol
Concen: 44.275 ng
RT: 8.298 min Scan# 903
Delta R.T. 0.000 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

Instrument :
BNA_M
ClientSampleId :
TP-49MSD

Tgt Ion:107 Resp: 1348199

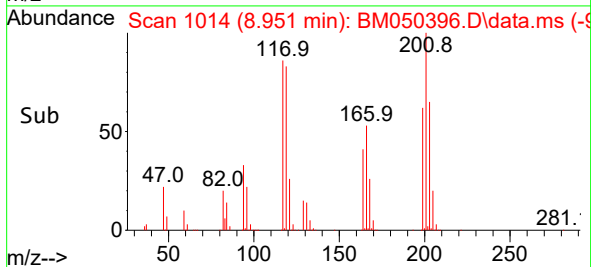
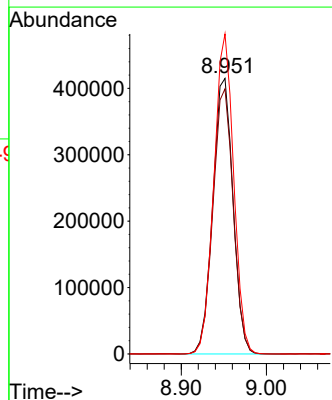
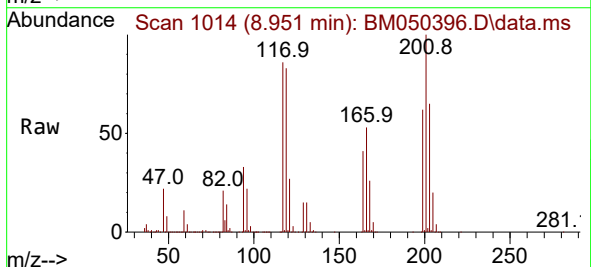
Ion	Ratio	Lower	Upper
107	100		
108	113.3	92.1	138.1
77	45.9	38.2	57.4
79	44.3	36.2	54.4

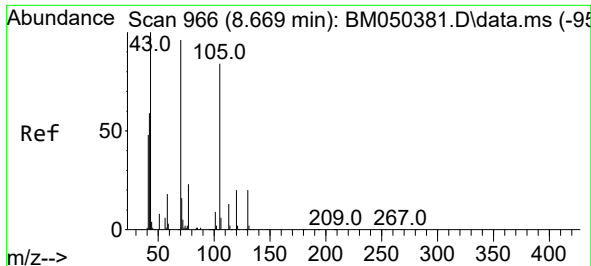


#18
Hexachloroethane
Concen: 41.837 ng
RT: 8.951 min Scan# 1014
Delta R.T. 0.000 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

Tgt Ion:117 Resp: 687851

Ion	Ratio	Lower	Upper
117	100		
119	96.2	75.6	113.4
201	116.1	87.9	131.9

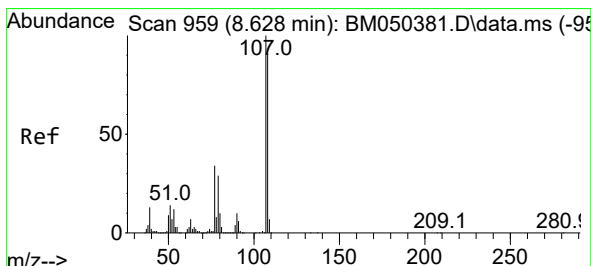
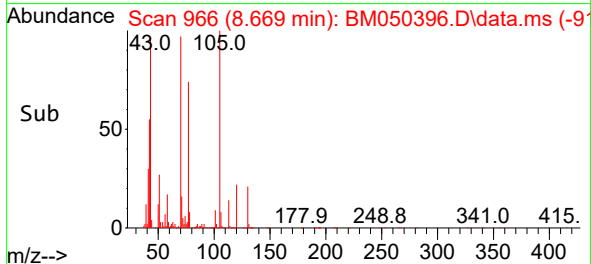
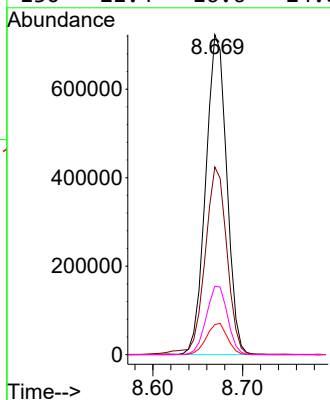
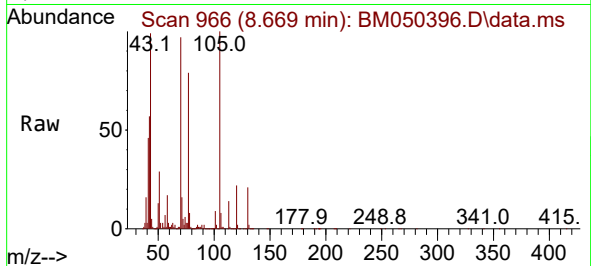




#19
n-Nitroso-di-n-propylamine
Concen: 43.055 ng
RT: 8.669 min Scan# 966
Delta R.T. 0.000 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

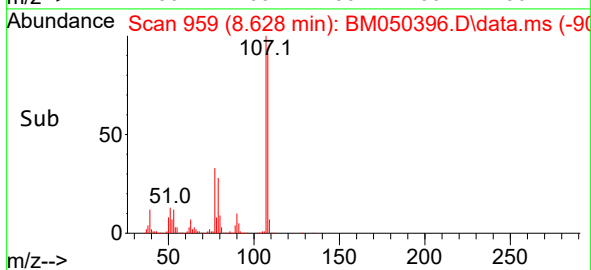
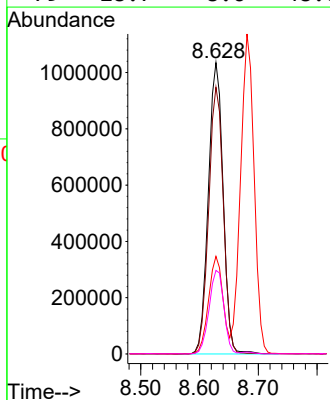
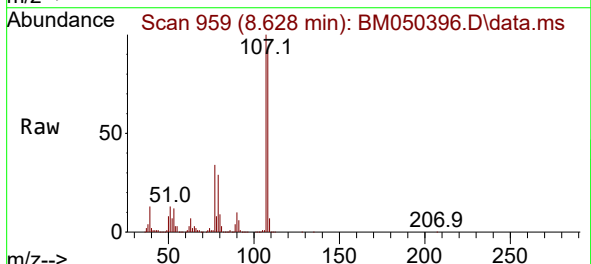
Instrument :
BNA_M
ClientSampleId :
TP-49MSD

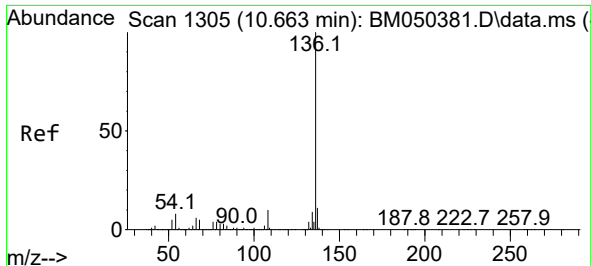
Tgt Ion: 70 Resp: 1174078
Ion Ratio Lower Upper
70 100
42 58.6 49.7 74.5
101 9.4 7.7 11.5
130 21.4 16.6 24.8



#20
3+4-Methylphenols
Concen: 44.157 ng
RT: 8.628 min Scan# 959
Delta R.T. 0.000 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

Tgt Ion: 107 Resp: 1805050
Ion Ratio Lower Upper
107 100
108 91.5 71.5 111.5
77 33.5 13.7 53.7
79 28.7 8.6 48.6

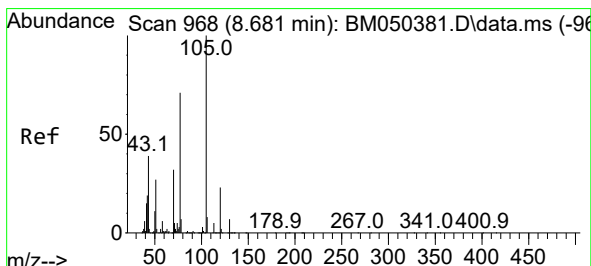
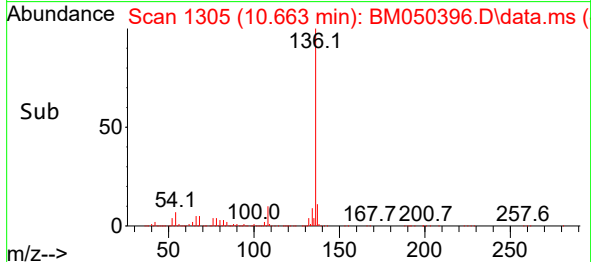
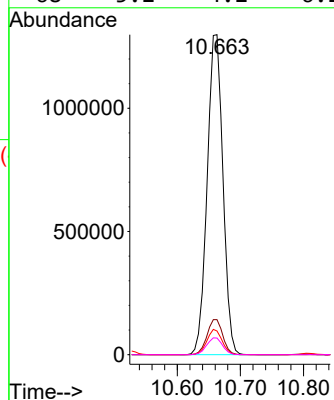
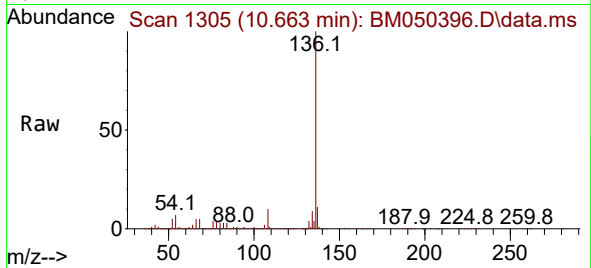




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

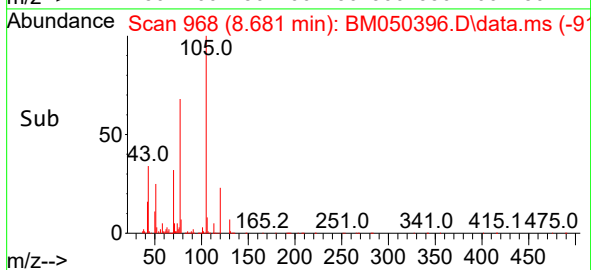
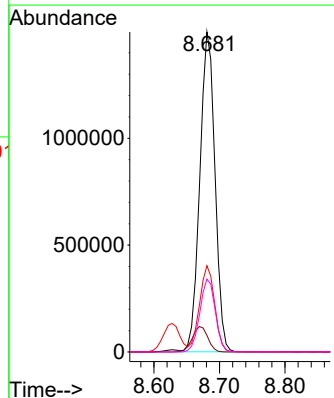
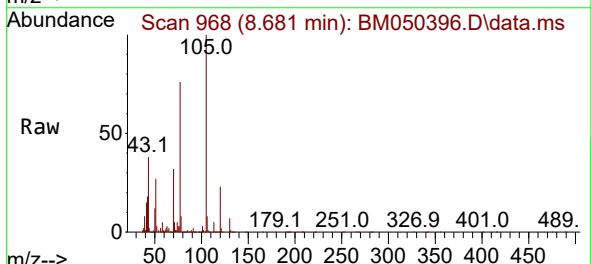
Instrument :
BNA_M
ClientSampleId :
TP-49MSD

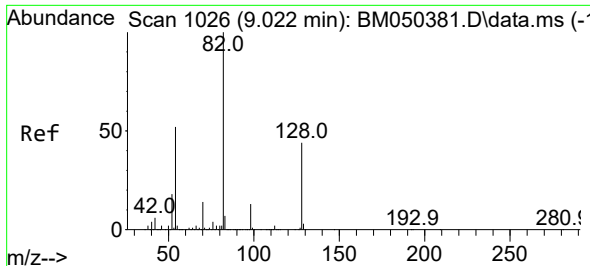
Tgt Ion:136 Resp: 2249894
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.4 6.3 9.5
68 5.2 4.2 6.2



#22
Acetophenone
Concen: 42.880 ng
RT: 8.681 min Scan# 968
Delta R.T. 0.000 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

Tgt Ion:105 Resp: 2412140
Ion Ratio Lower Upper
105 100
71 5.2 4.4 6.6
51 27.0 23.0 34.6
120 22.8 18.3 27.5

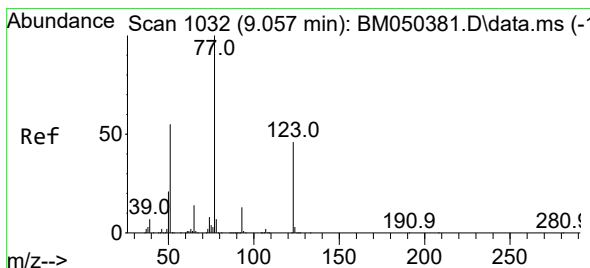
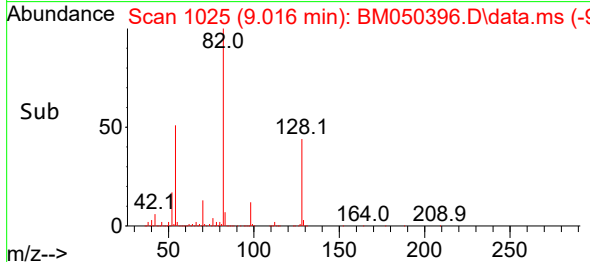
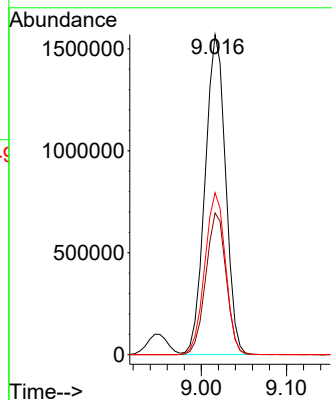
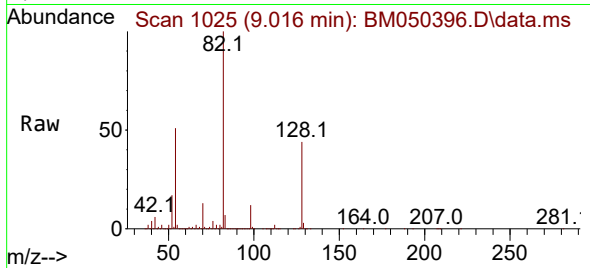




#23
Nitrobenzene-d5
Concen: 59.348 ng
RT: 9.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

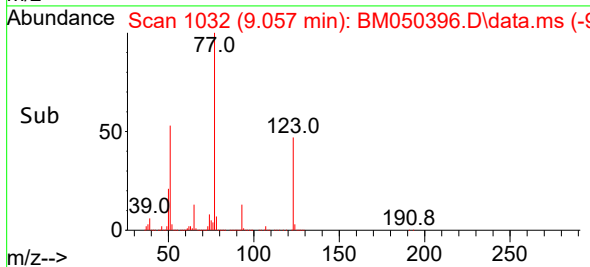
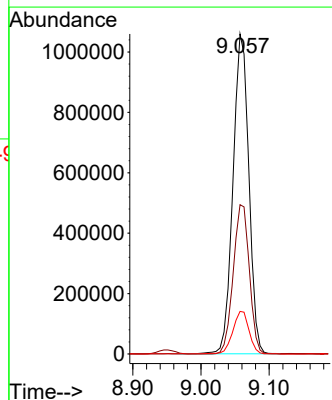
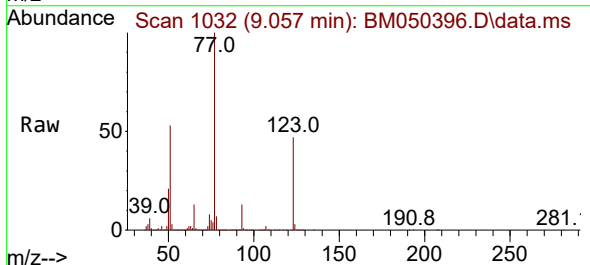
Instrument :
BNA_M
ClientSampleId :
TP-49MSD

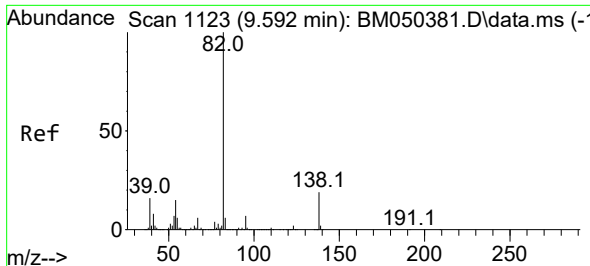
Tgt Ion: 82 Resp: 2617238
Ion Ratio Lower Upper
82 100
128 44.3 35.2 52.8
54 50.6 41.5 62.3



#24
Nitrobenzene
Concen: 43.459 ng
RT: 9.057 min Scan# 1032
Delta R.T. 0.000 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

Tgt Ion: 77 Resp: 1710224
Ion Ratio Lower Upper
77 100
123 46.6 37.0 55.6
65 13.3 11.0 16.4

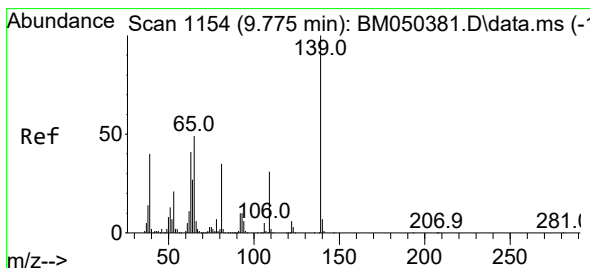
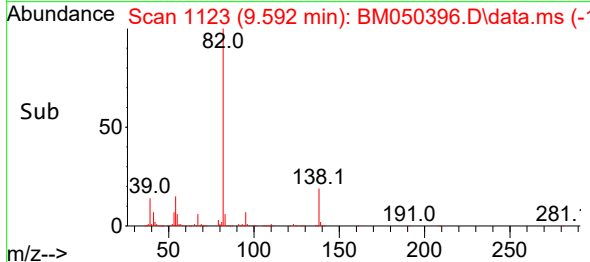
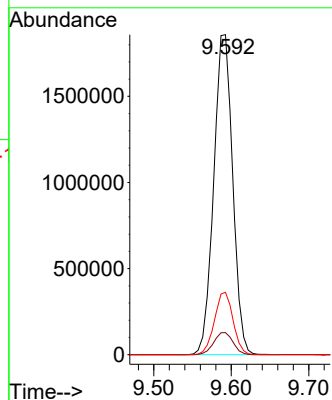
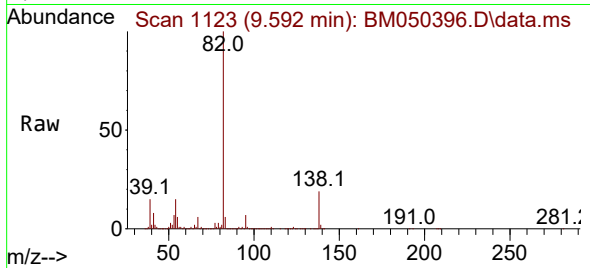




#25
Isophorone
Concen: 44.307 ng
RT: 9.592 min Scan# 1123
Delta R.T. 0.000 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

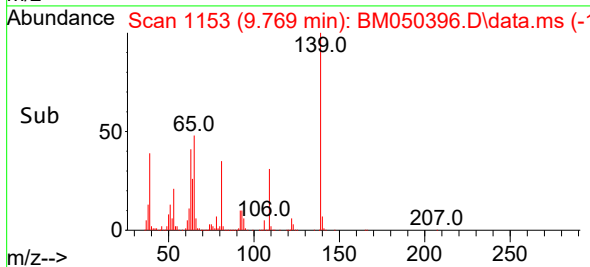
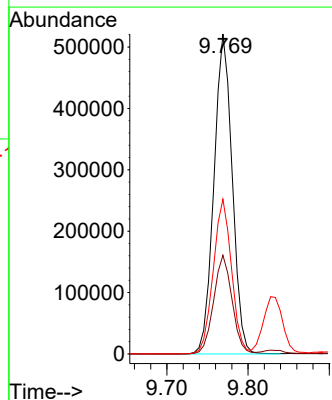
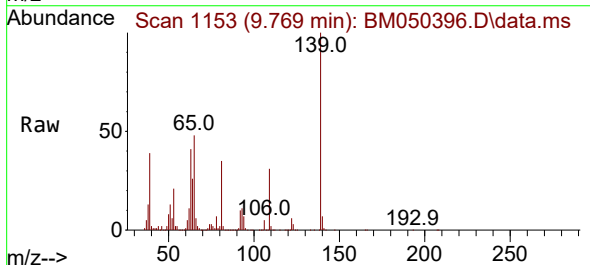
Instrument :
BNA_M
ClientSampleId :
TP-49MSD

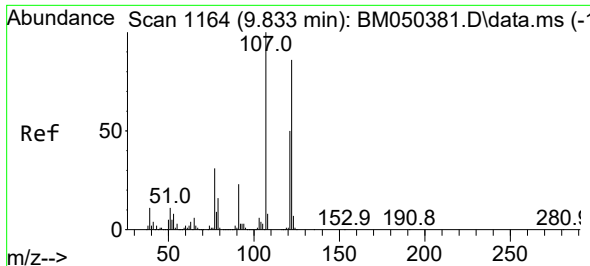
Tgt Ion: 82 Resp: 3170615
Ion Ratio Lower Upper
82 100
95 6.9 5.6 8.4
138 19.5 15.3 22.9



#26
2-Nitrophenol
Concen: 50.869 ng
RT: 9.769 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

Tgt Ion: 139 Resp: 815863
Ion Ratio Lower Upper
139 100
109 30.9 24.6 36.8
65 48.3 39.2 58.8

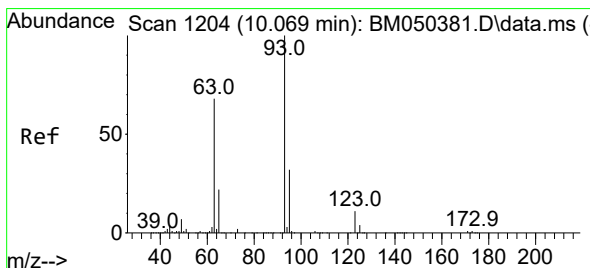
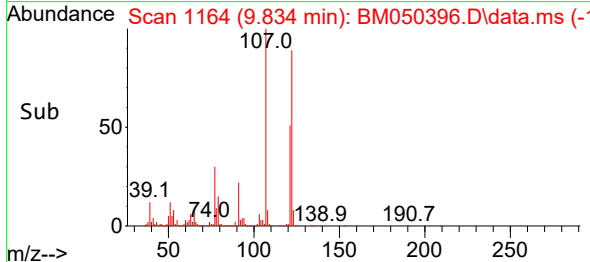
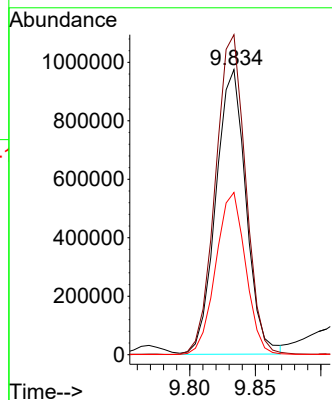
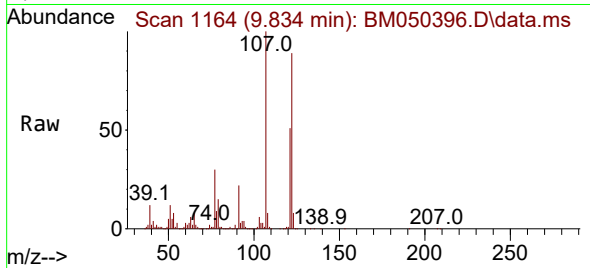




#27
2,4-Dimethylphenol
Concen: 45.599 ng
RT: 9.834 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

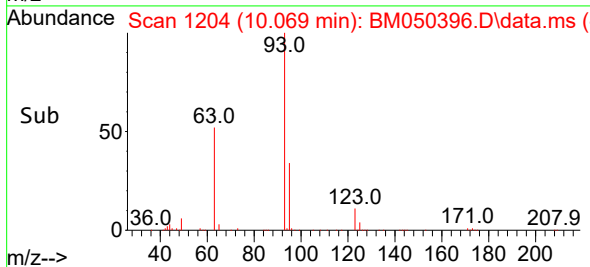
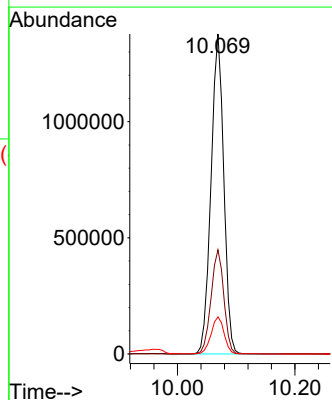
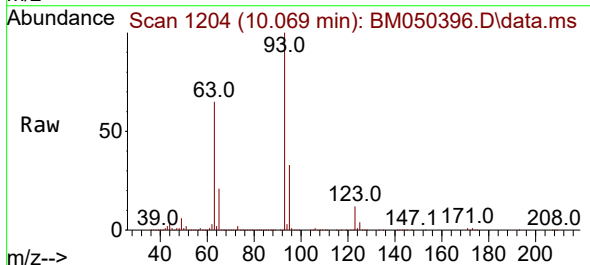
Instrument :
BNA_M
ClientSampleId :
TP-49MSD

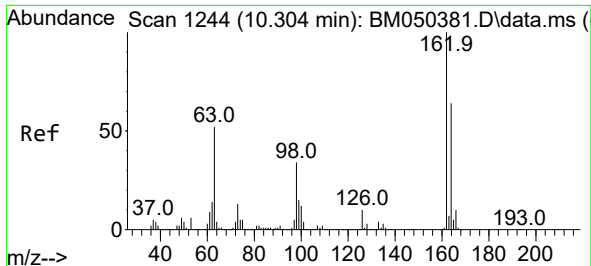
Tgt Ion:122 Resp: 1556239
Ion Ratio Lower Upper
122 100
107 112.2 93.0 139.6
121 56.9 46.1 69.1



#28
bis(2-Chloroethoxy)methane
Concen: 43.600 ng
RT: 10.069 min Scan# 1204
Delta R.T. 0.000 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

Tgt Ion: 93 Resp: 2067416
Ion Ratio Lower Upper
93 100
95 32.6 25.8 38.6
123 11.6 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 46.988 ng

RT: 10.304 min Scan# 1244

Delta R.T. 0.000 min

Lab File: BM050396.D

Acq: 10 Jul 2025 19:18

Instrument :

BNA_M

ClientSampleId :

TP-49MSD

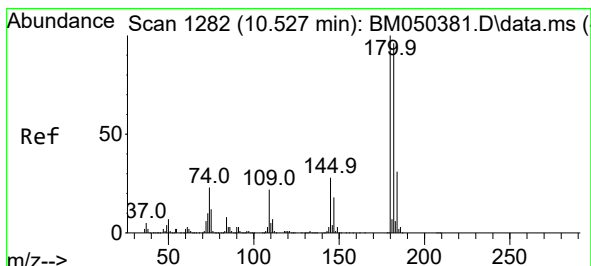
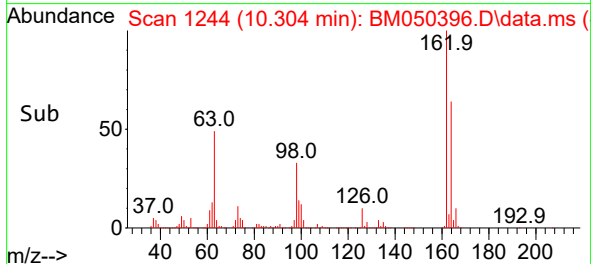
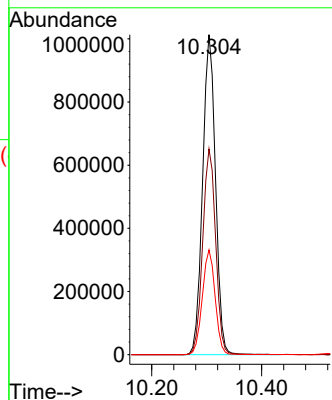
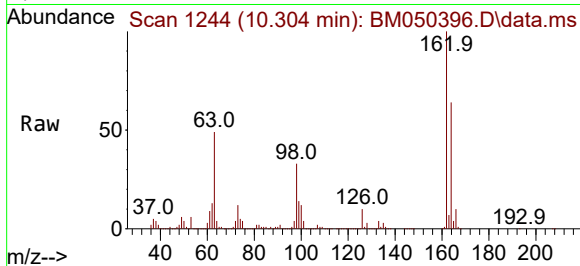
Tgt Ion:162 Resp: 1647503

Ion Ratio Lower Upper

162 100

164 64.3 43.7 83.7

98 32.7 13.7 53.7



#30

1,2,4-Trichlorobenzene

Concen: 43.739 ng

RT: 10.522 min Scan# 1281

Delta R.T. -0.006 min

Lab File: BM050396.D

Acq: 10 Jul 2025 19:18

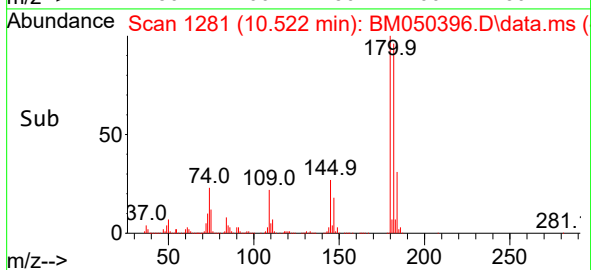
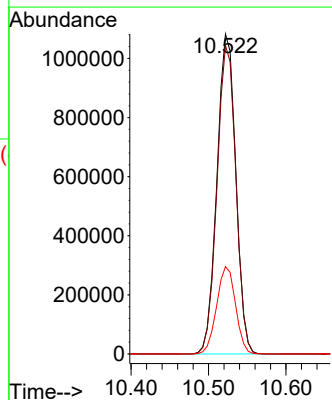
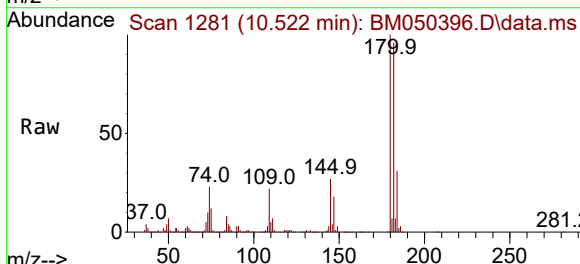
Tgt Ion:180 Resp: 1834623

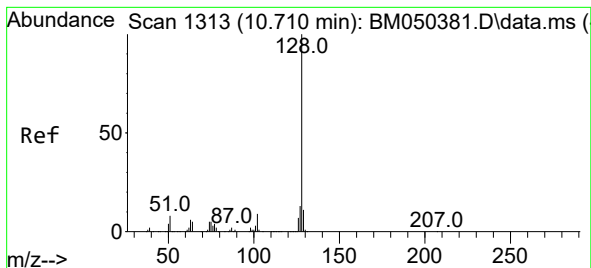
Ion Ratio Lower Upper

180 100

182 96.4 76.8 115.2

145 27.3 22.6 33.8

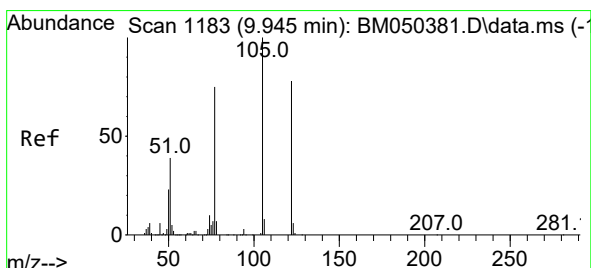
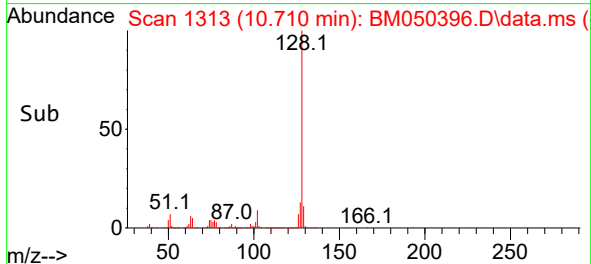
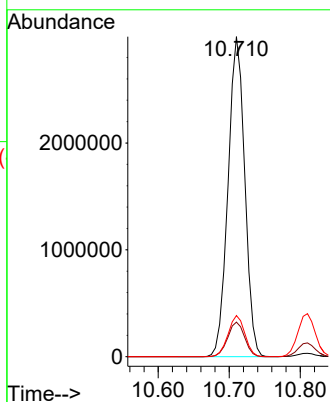
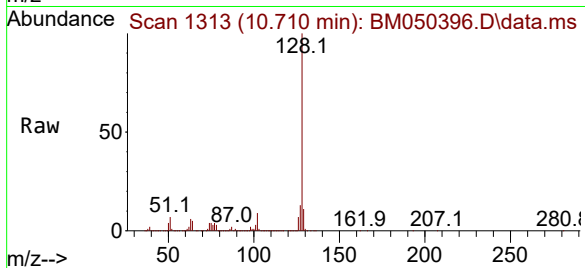




#31
Naphthalene
Concen: 42.868 ng
RT: 10.710 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

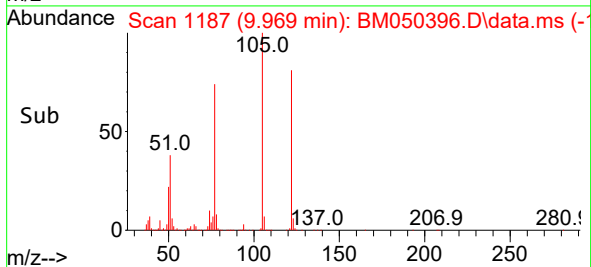
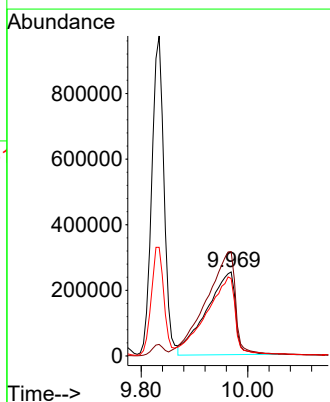
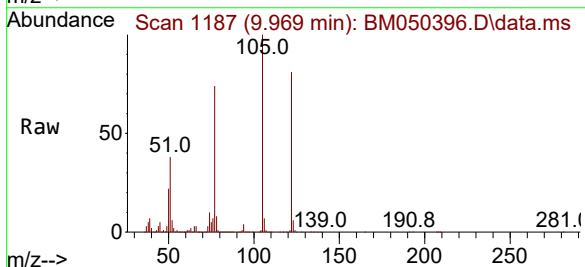
Instrument :
BNA_M
ClientSampleId :
TP-49MSD

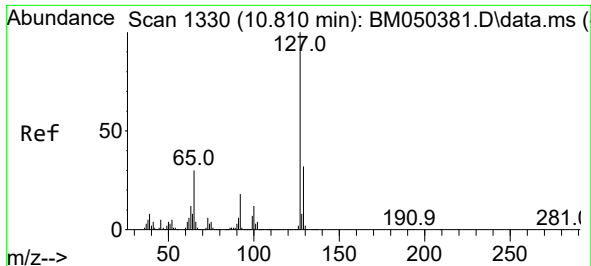
Tgt Ion:128 Resp: 4898926
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 12.8 10.4 15.6



#32
Benzoic acid
Concen: 45.912 ng
RT: 9.969 min Scan# 1187
Delta R.T. 0.024 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

Tgt Ion:122 Resp: 955570
Ion Ratio Lower Upper
122 100
105 124.2 104.0 144.0
77 92.1 73.8 113.8

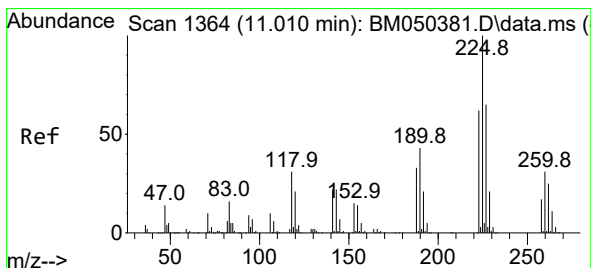
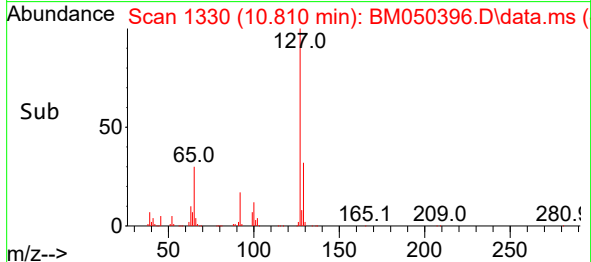
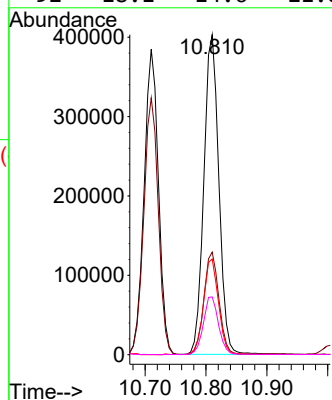
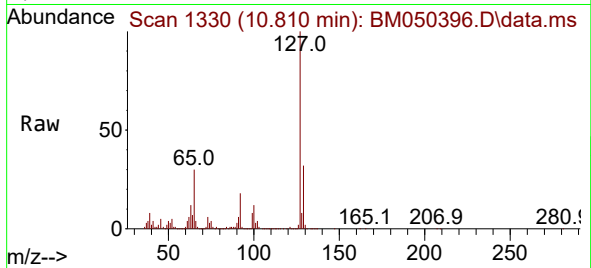




#33
4-Chloroaniline
Concen: 14.308 ng
RT: 10.810 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

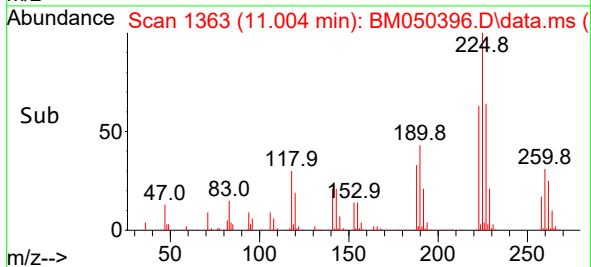
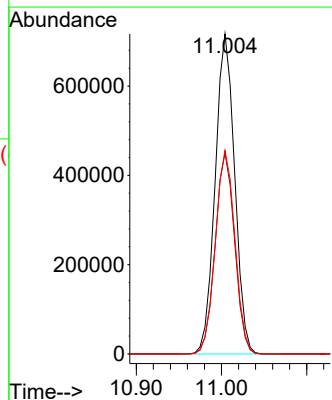
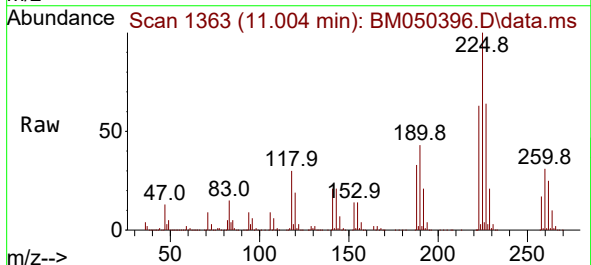
Instrument :
BNA_M
ClientSampleId :
TP-49MSD

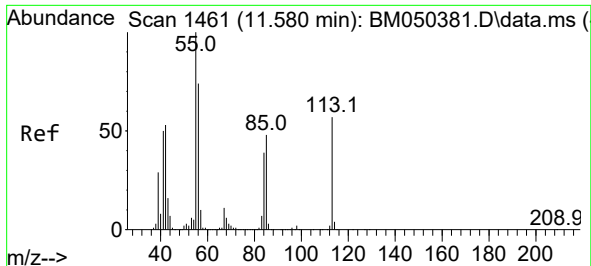
Tgt	Ion:127	Resp:	691231
Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.5	38.3
65	29.9	23.9	35.9
92	18.1	14.6	21.8



#34
Hexachlorobutadiene
Concen: 44.452 ng
RT: 11.004 min Scan# 1363
Delta R.T. -0.006 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

Tgt Ion:225	Resp: 1137979		
Ion	Ratio	Lower	Upper
225	100		
223	62.8	49.7	74.5
227	63.6	52.1	78.1

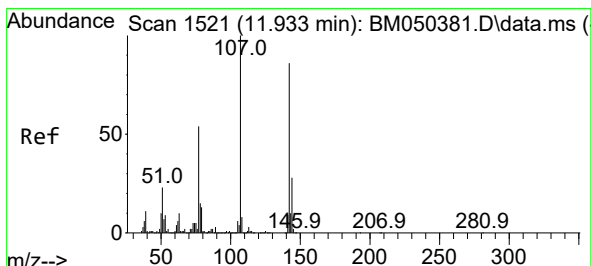
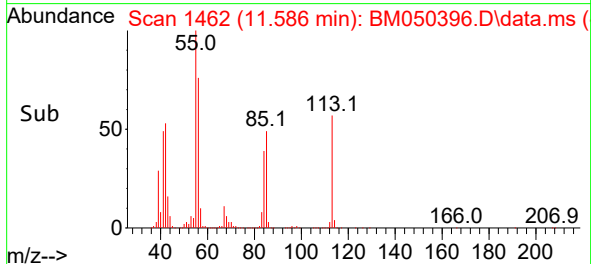
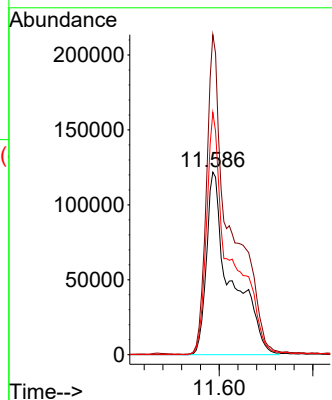
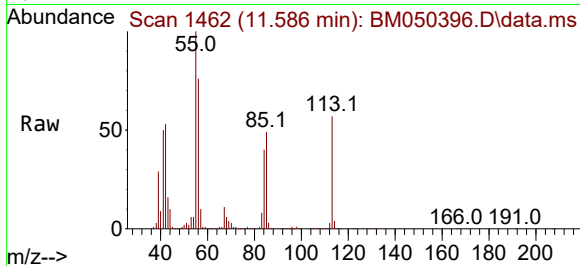




#35
 Caprolactam
 Concen: 46.119 ng m
 RT: 11.586 min Scan# 1461
 Delta R.T. 0.006 min
 Lab File: BM050396.D
 Acq: 10 Jul 2025 19:18

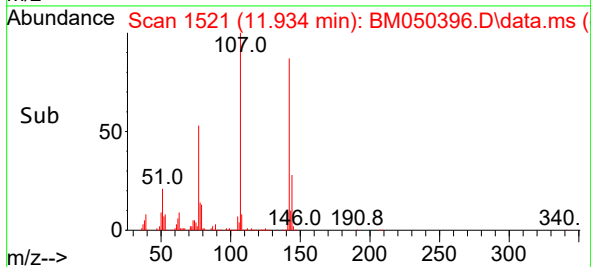
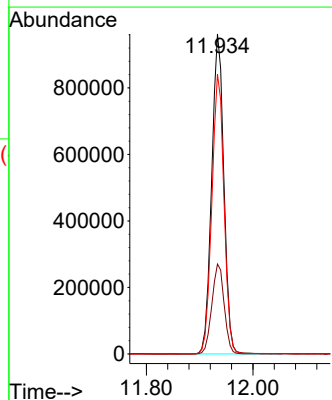
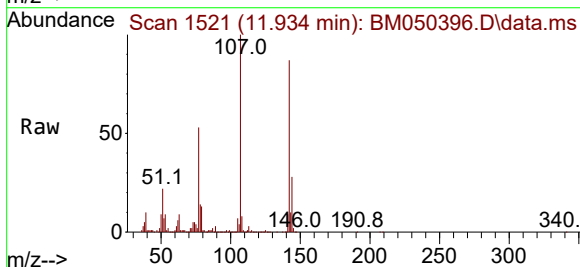
Instrument :
 BNA_M
 ClientSampleId :
 TP-49MSD

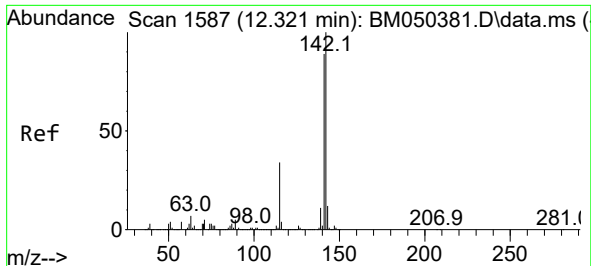
Tgt Ion:113 Resp: 441432
 Ion Ratio Lower Upper
 113 100
 55 175.3 157.2 197.2
 56 132.8 111.7 151.7



#36
 4-Chloro-3-methylphenol
 Concen: 46.620 ng
 RT: 11.934 min Scan# 1521
 Delta R.T. 0.000 min
 Lab File: BM050396.D
 Acq: 10 Jul 2025 19:18

Tgt Ion:107 Resp: 1526443
 Ion Ratio Lower Upper
 107 100
 144 28.1 22.2 33.4
 142 87.4 68.7 103.1

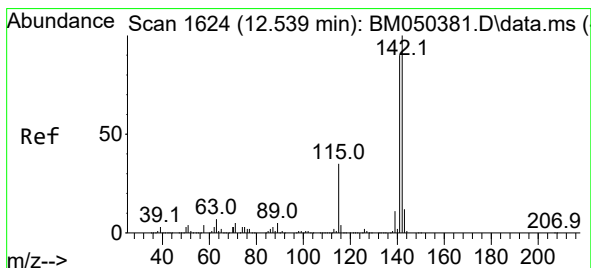
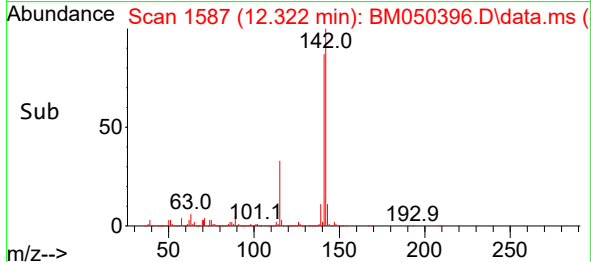
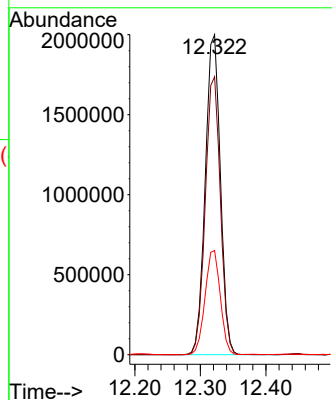
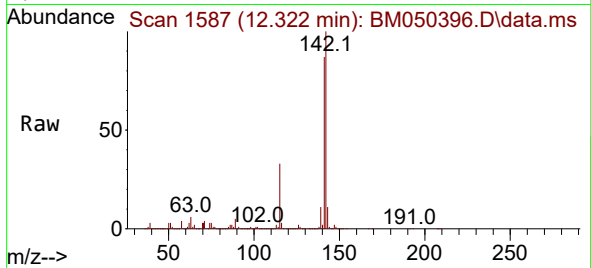




#37
2-Methylnaphthalene
Concen: 44.421 ng
RT: 12.322 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

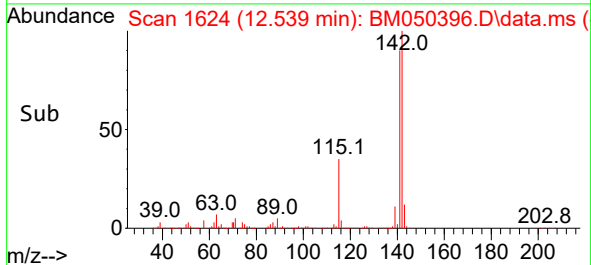
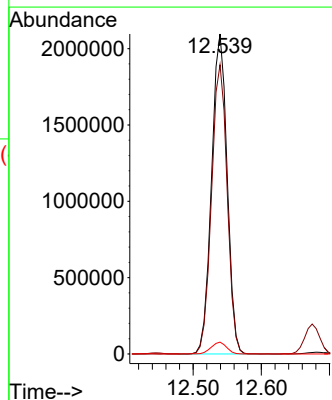
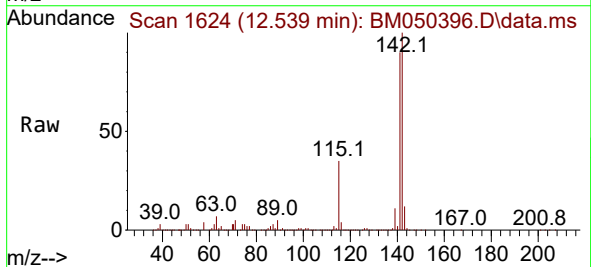
Instrument :
BNA_M
ClientSampleId :
TP-49MSD

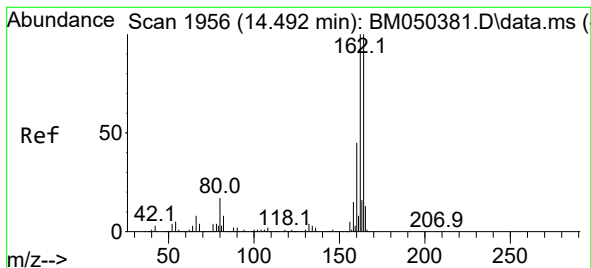
Tgt Ion:142 Resp: 3205261
Ion Ratio Lower Upper
142 100
141 86.8 70.8 106.2
115 32.6 27.0 40.4



#38
1-Methylnaphthalene
Concen: 43.600 ng
RT: 12.539 min Scan# 1624
Delta R.T. 0.000 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

Tgt Ion:142 Resp: 3329442
Ion Ratio Lower Upper
142 100
141 90.4 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: BM050396.D

Acq: 10 Jul 2025 19:18

Instrument :

BNA_M

ClientSampleId :

TP-49MSD

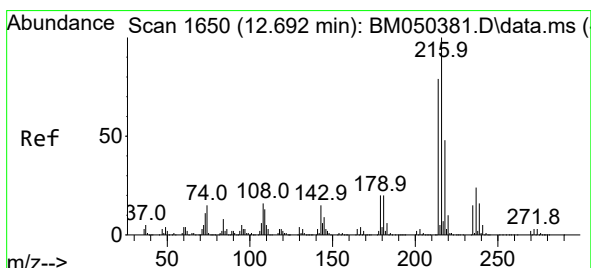
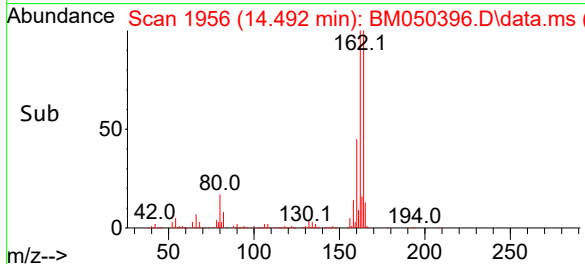
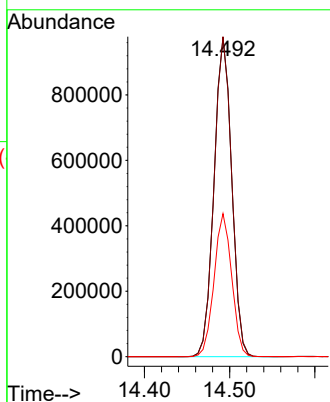
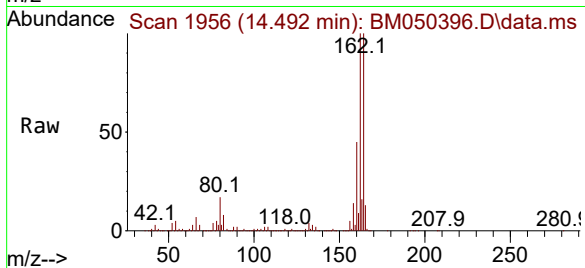
Tgt Ion:164 Resp: 1411021

Ion Ratio Lower Upper

164 100

162 100.2 79.9 119.9

160 44.8 36.2 54.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 47.515 ng

RT: 12.686 min Scan# 1649

Delta R.T. -0.006 min

Lab File: BM050396.D

Acq: 10 Jul 2025 19:18

Tgt Ion:216 Resp: 2132078

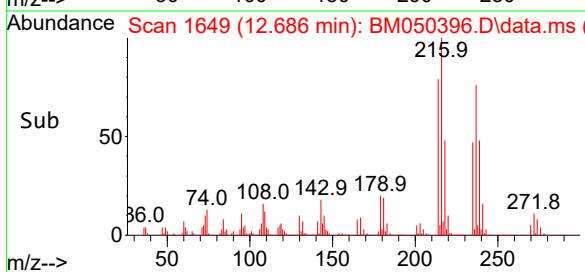
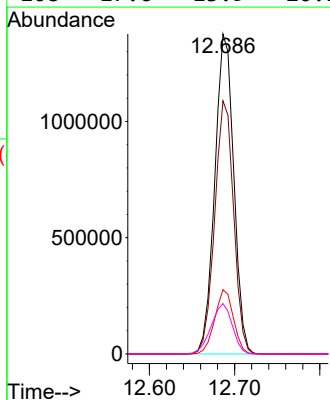
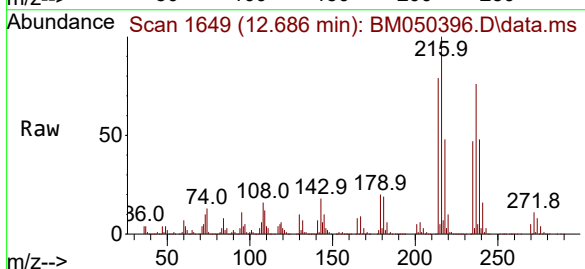
Ion Ratio Lower Upper

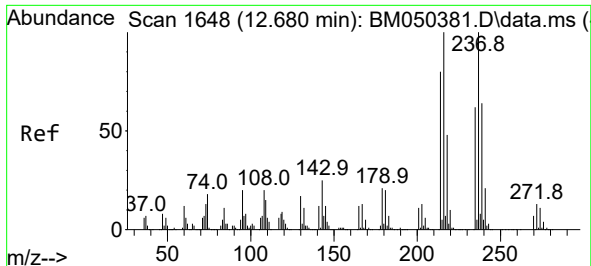
216 100

214 78.8 63.3 94.9

179 19.8 16.4 24.6

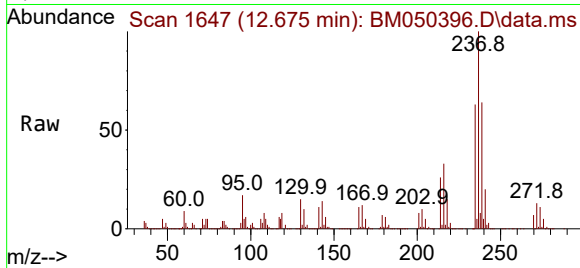
108 17.6 13.9 20.9



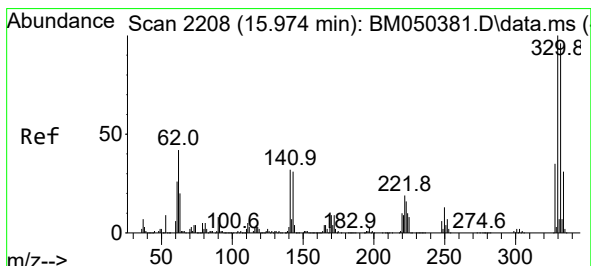
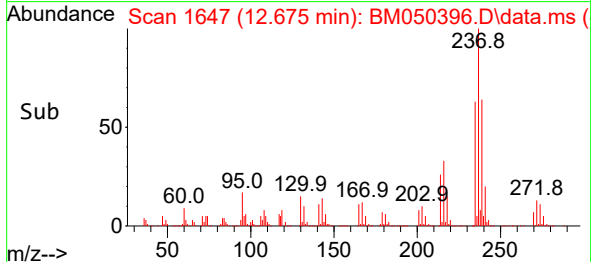
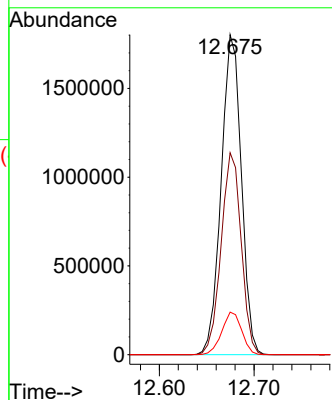


#41
Hexachlorocyclopentadiene
Concen: 93.007 ng
RT: 12.675 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

Instrument :
BNA_M
ClientSampleId :
TP-49MSD

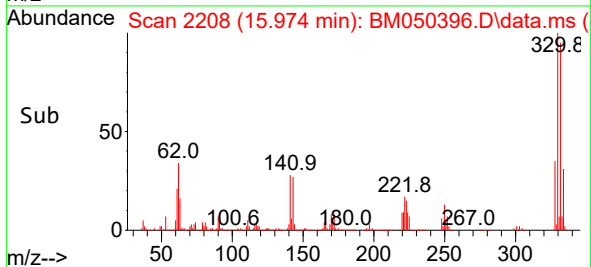
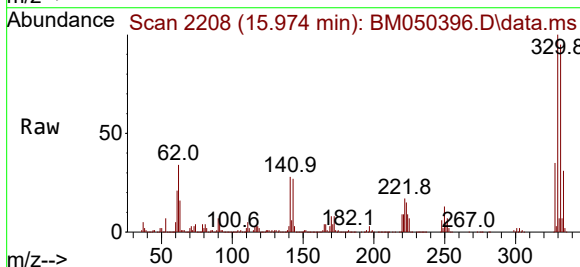
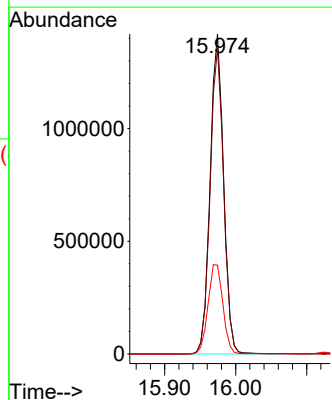


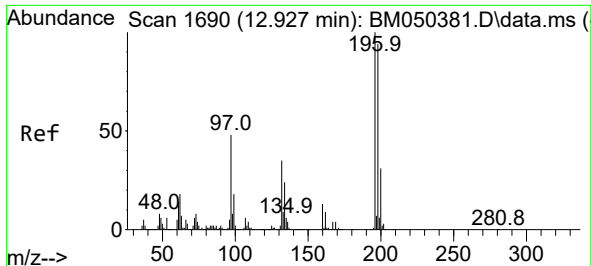
Tgt Ion:237 Resp: 2667684
Ion Ratio Lower Upper
237 100
235 63.1 42.3 82.3
272 13.3 0.0 33.0



#42
2,4,6-Tribromophenol
Concen: 109.331 ng
RT: 15.974 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

Tgt Ion:330 Resp: 1874382
Ion Ratio Lower Upper
330 100
332 96.0 76.9 115.3
141 30.8 27.4 41.0

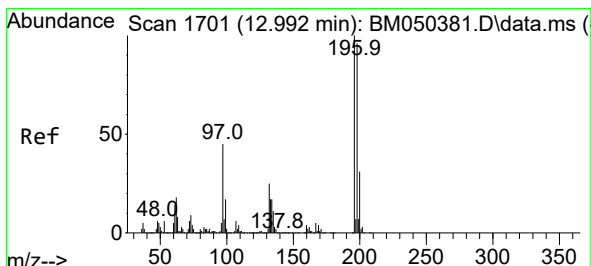
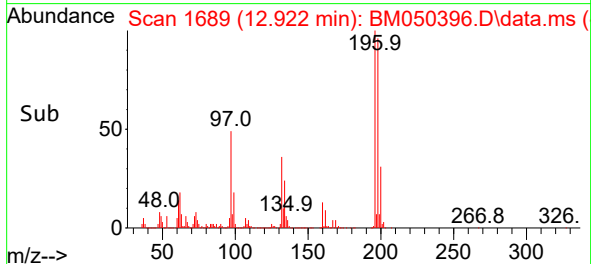
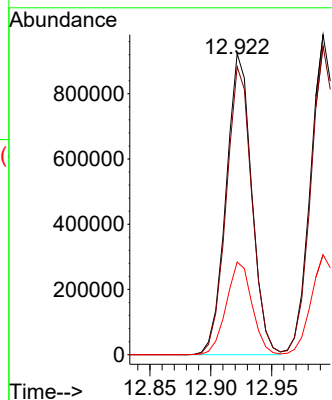
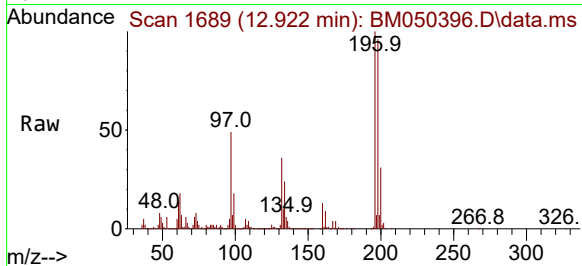




#43
2,4,6-Trichlorophenol
Concen: 48.974 ng
RT: 12.922 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

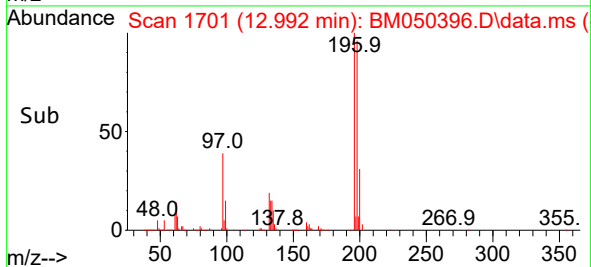
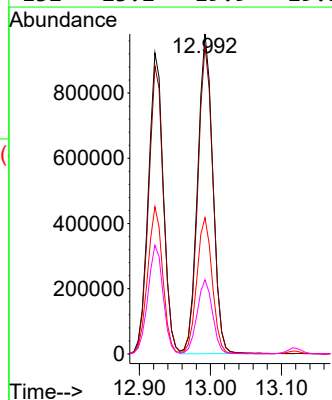
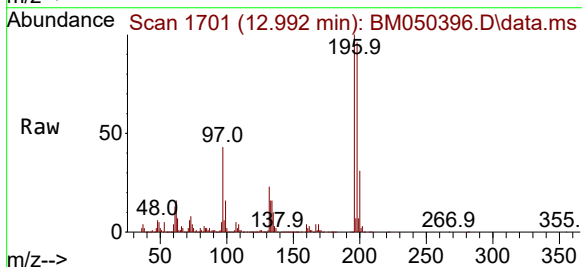
Instrument :
BNA_M
ClientSampleId :
TP-49MSD

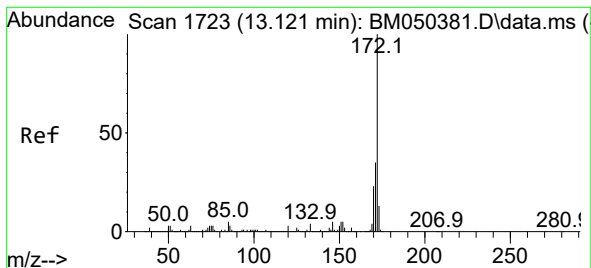
Tgt Ion:196 Resp: 1352682
Ion Ratio Lower Upper
196 100
198 95.7 75.1 112.7
200 30.8 24.6 37.0



#44
2,4,5-Trichlorophenol
Concen: 48.520 ng
RT: 12.992 min Scan# 1701
Delta R.T. 0.000 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

Tgt Ion:196 Resp: 1463609
Ion Ratio Lower Upper
196 100
198 96.4 77.2 115.8
97 42.6 36.2 54.4
132 23.2 19.9 29.9





#45

2-Fluorobiphenyl

Concen: 57.636 ng

RT: 13.122 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM050396.D

Acq: 10 Jul 2025 19:18

Instrument :

BNA_M

ClientSampleId :

TP-49MSD

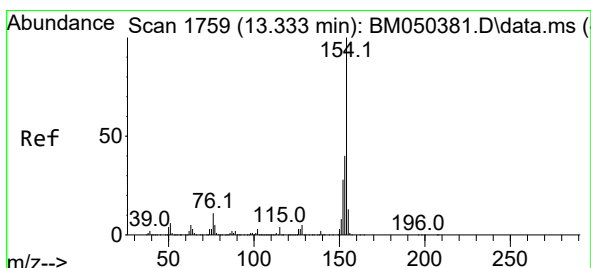
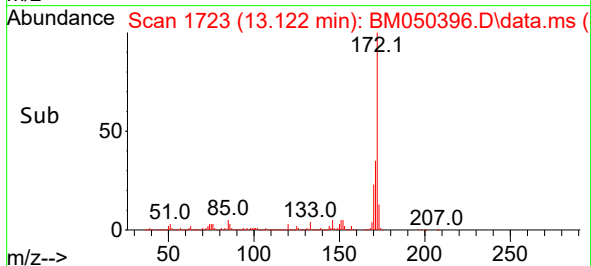
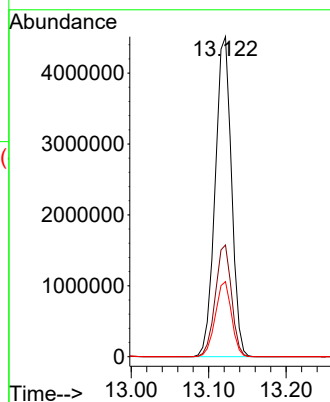
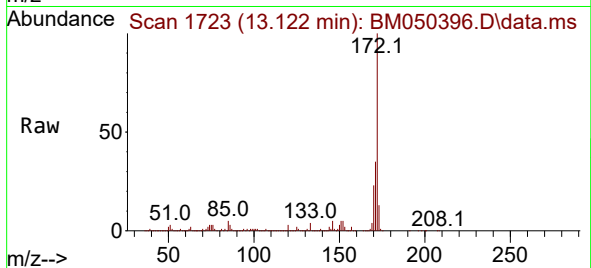
Tgt Ion:172 Resp: 6585454

Ion Ratio Lower Upper

172 100

171 34.9 27.7 41.5

170 23.4 18.8 28.2



#46

1,1'-Biphenyl

Concen: 44.413 ng

RT: 13.328 min Scan# 1758

Delta R.T. -0.006 min

Lab File: BM050396.D

Acq: 10 Jul 2025 19:18

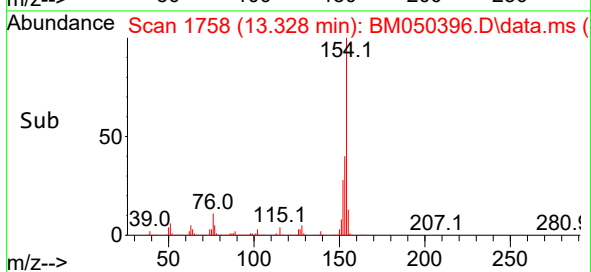
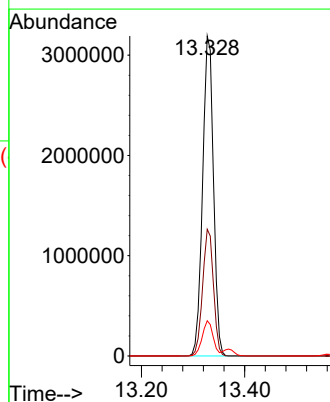
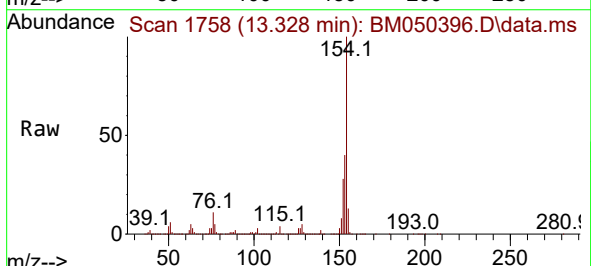
Tgt Ion:154 Resp: 4649485

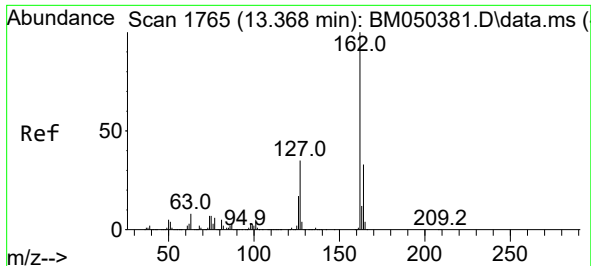
Ion Ratio Lower Upper

154 100

153 39.6 19.7 59.7

76 11.0 0.0 30.9

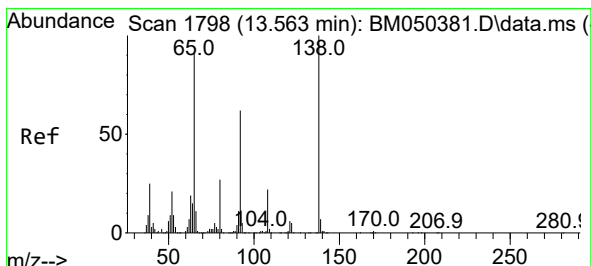
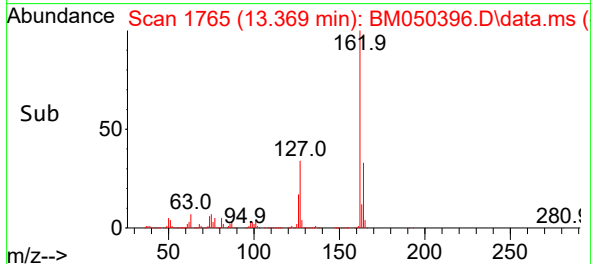
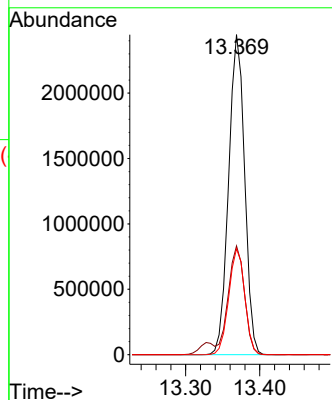
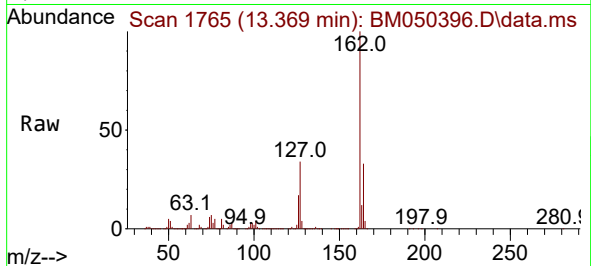




#47
2-Chloronaphthalene
Concen: 43.941 ng
RT: 13.369 min Scan# 1765
Delta R.T. 0.000 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

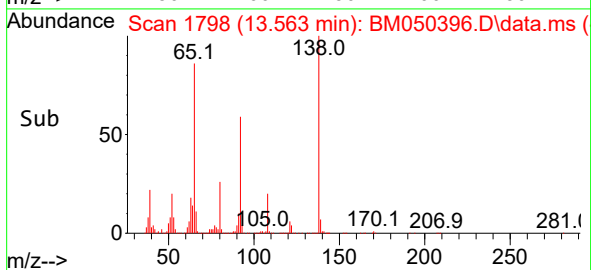
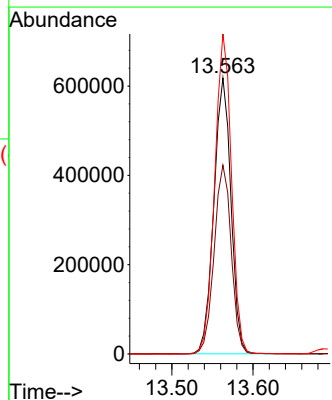
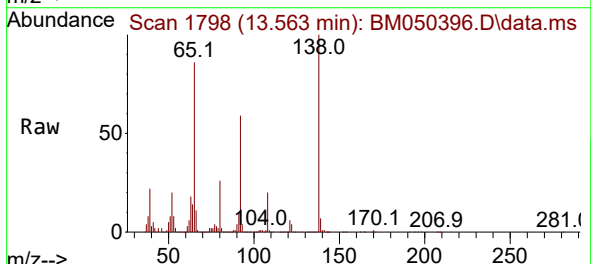
Instrument :
BNA_M
ClientSampleId :
TP-49MSD

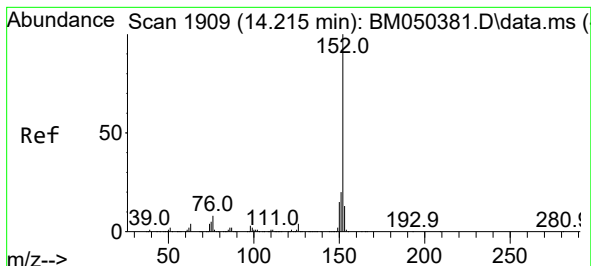
Tgt Ion:162 Resp: 3667702
Ion Ratio Lower Upper
162 100
127 34.0 28.3 42.5
164 33.1 26.6 40.0



#48
2-Nitroaniline
Concen: 48.555 ng
RT: 13.563 min Scan# 1798
Delta R.T. 0.000 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

Tgt Ion: 65 Resp: 904642
Ion Ratio Lower Upper
65 100
92 68.4 54.3 81.5
138 116.0 87.8 131.6





#49

Acenaphthylene

Concen: 45.671 ng

RT: 14.216 min Scan# 1909

Delta R.T. 0.000 min

Lab File: BM050396.D

Acq: 10 Jul 2025 19:18

Instrument :

BNA_M

ClientSampleId :

TP-49MSD

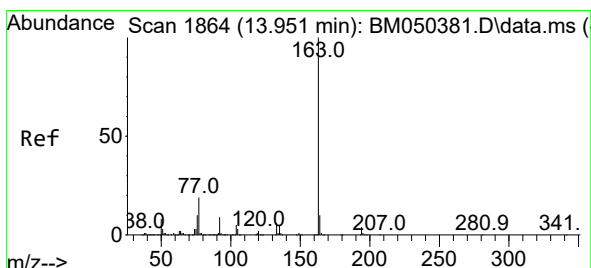
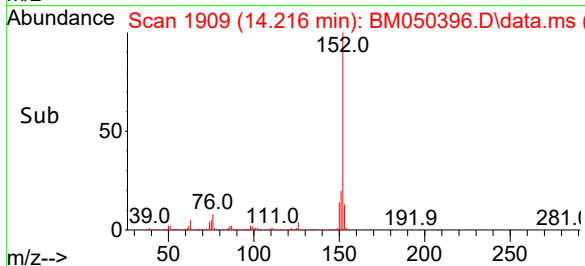
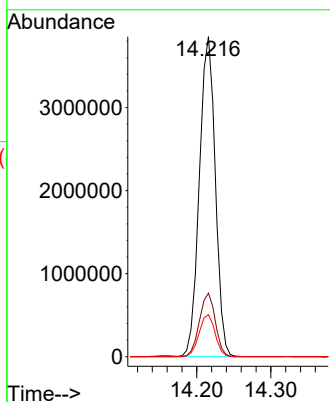
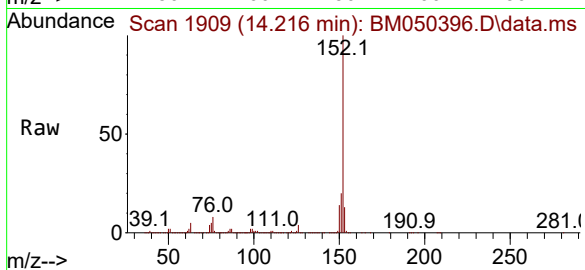
Tgt Ion:152 Resp: 5761234

Ion Ratio Lower Upper

152 100

151 19.9 16.3 24.5

153 13.1 10.6 15.8



#50

Dimethylphthalate

Concen: 44.469 ng

RT: 13.951 min Scan# 1864

Delta R.T. 0.000 min

Lab File: BM050396.D

Acq: 10 Jul 2025 19:18

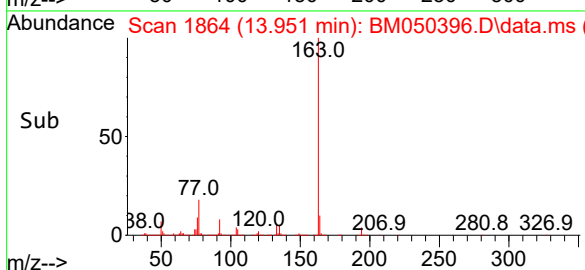
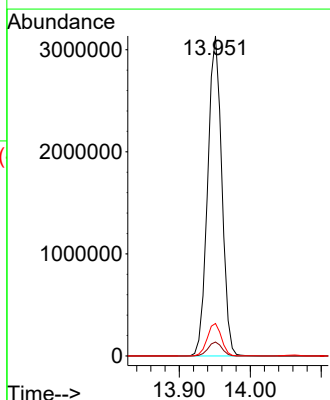
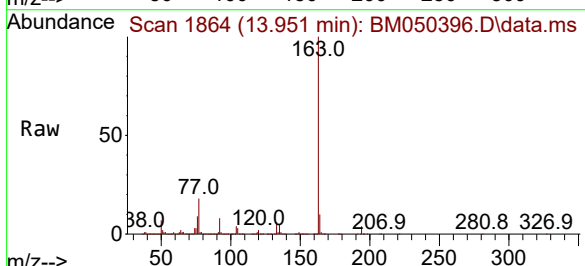
Tgt Ion:163 Resp: 4319990

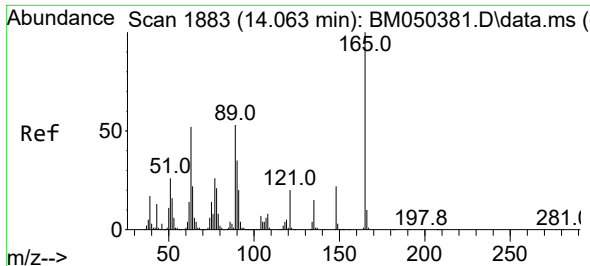
Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

164 10.2 8.2 12.2

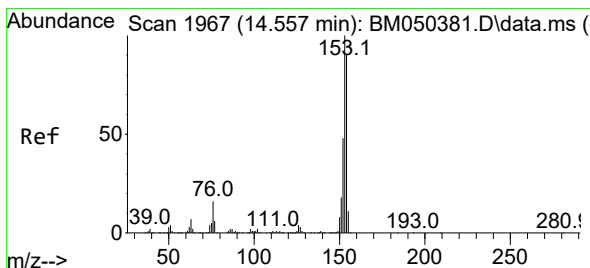
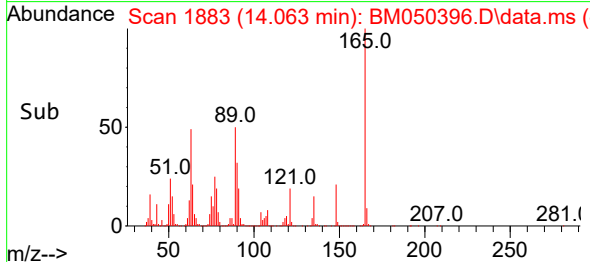
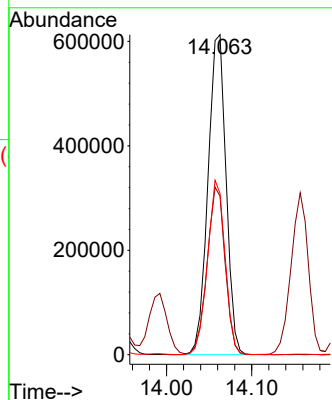
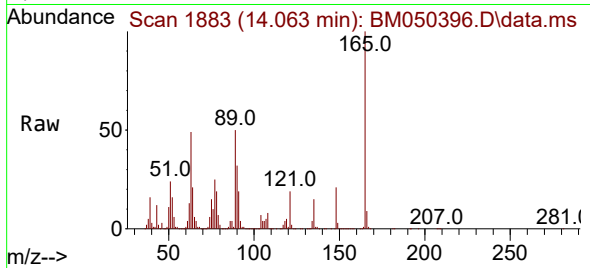




#51
2,6-Dinitrotoluene
Concen: 48.342 ng
RT: 14.063 min Scan# 1883
Delta R.T. 0.000 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

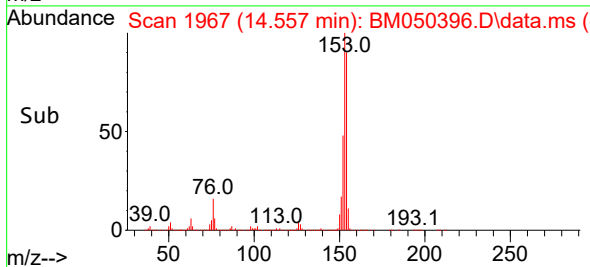
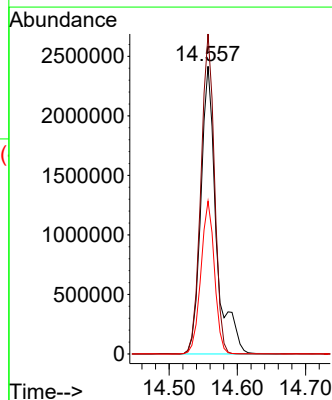
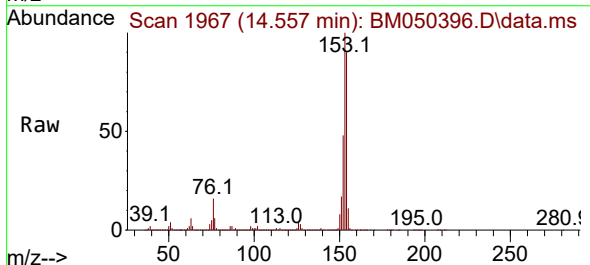
Instrument :
BNA_M
ClientSampleId :
TP-49MSD

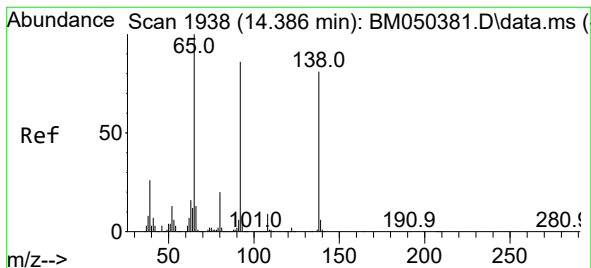
Tgt Ion:165 Resp: 901694
Ion Ratio Lower Upper
165 100
63 49.5 42.4 63.6
89 50.4 42.2 63.2



#52
Acenaphthene
Concen: 47.419 ng
RT: 14.557 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

Tgt Ion:154 Resp: 3802891
Ion Ratio Lower Upper
154 100
153 111.3 89.2 133.8
152 53.1 42.6 64.0

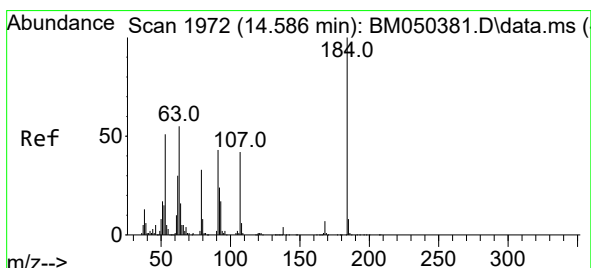
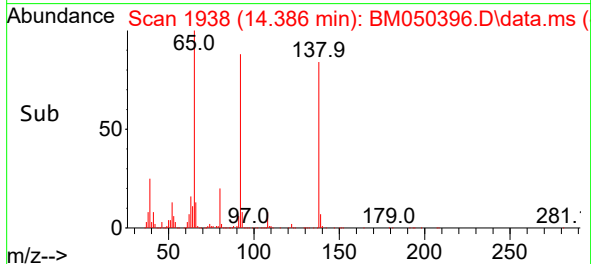
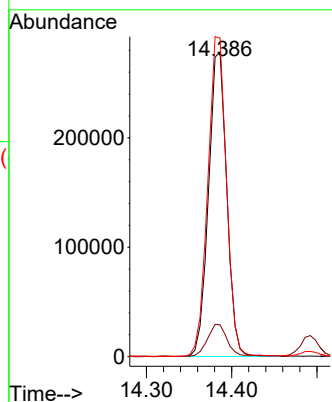
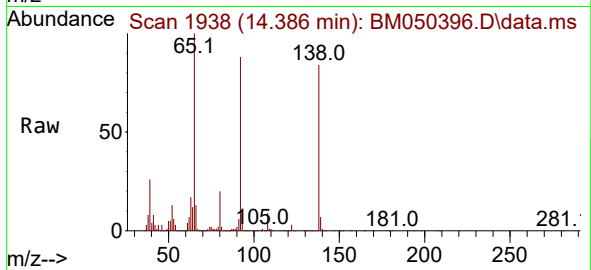




#53
3-Nitroaniline
Concen: 20.832 ng
RT: 14.386 min Scan# 1938
Delta R.T. 0.000 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

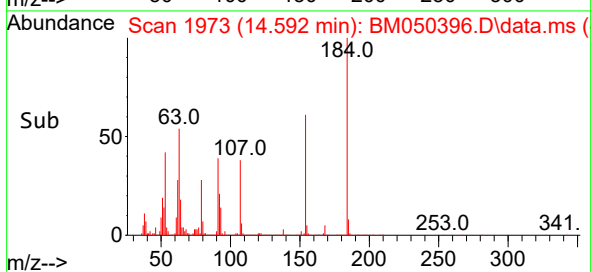
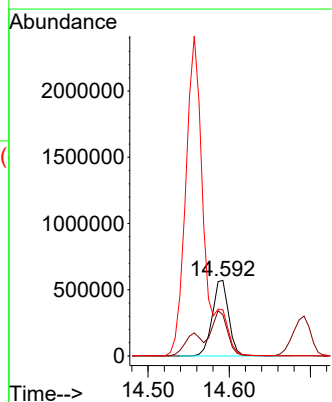
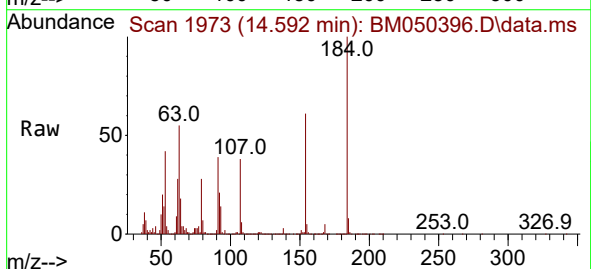
Instrument :
BNA_M
ClientSampleId :
TP-49MSD

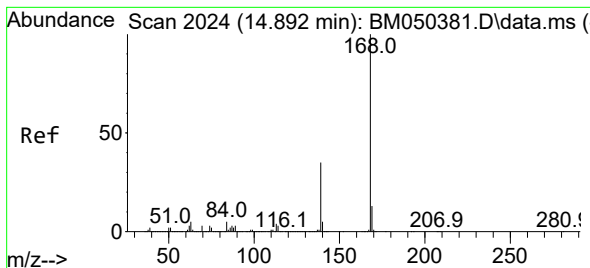
Tgt Ion:138 Resp: 413233
Ion Ratio Lower Upper
138 100
108 10.5 8.8 13.2
92 104.6 85.0 127.6



#54
2,4-Dinitrophenol
Concen: 77.919 ng
RT: 14.592 min Scan# 1973
Delta R.T. 0.006 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

Tgt Ion:184 Resp: 800108
Ion Ratio Lower Upper
184 100
63 54.6 53.4 80.0
154 61.3 61.6 92.4#





#55

Dibenzenofuran

Concen: 43.633 ng

RT: 14.892 min Scan# 20

Delta R.T. 0.000 min

Lab File: BM050396.D

Acq: 10 Jul 2025 19:18

Instrument :

BNA_M

ClientSampleId :

TP-49MSD

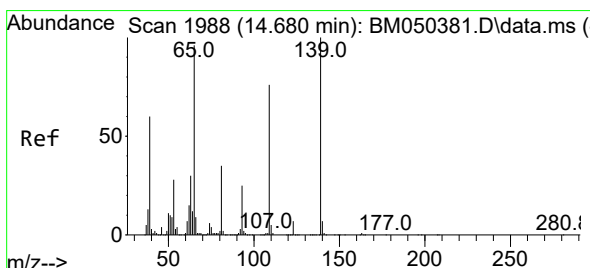
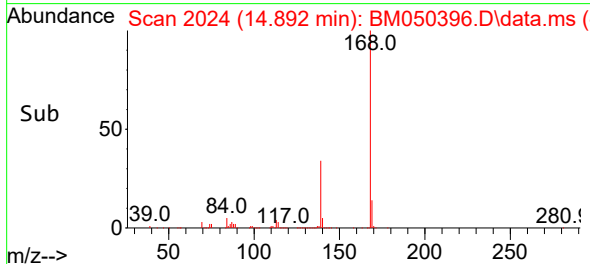
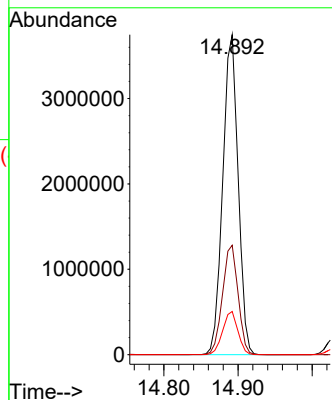
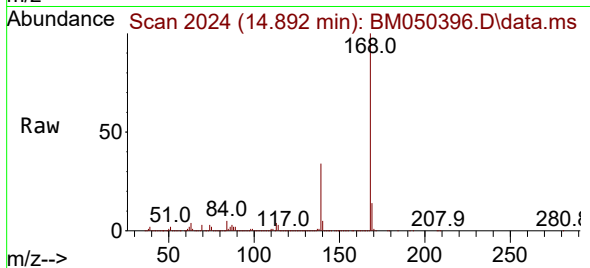
Tgt Ion:168 Resp: 5391696

Ion Ratio Lower Upper

168 100

139 34.2 27.7 41.5

169 13.5 10.7 16.1



#56

4-Nitrophenol

Concen: 95.852 ng

RT: 14.692 min Scan# 1990

Delta R.T. 0.012 min

Lab File: BM050396.D

Acq: 10 Jul 2025 19:18

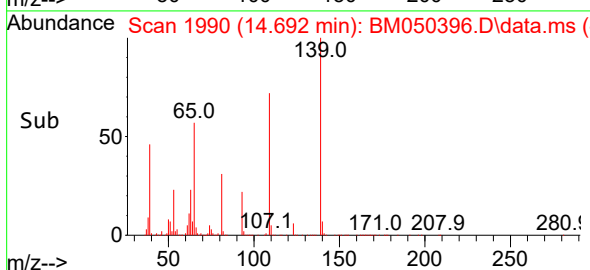
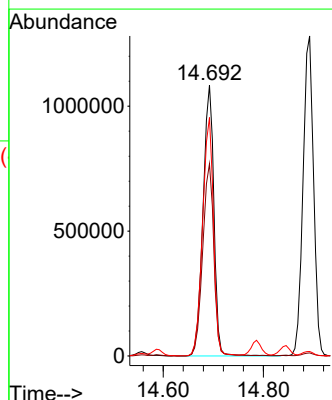
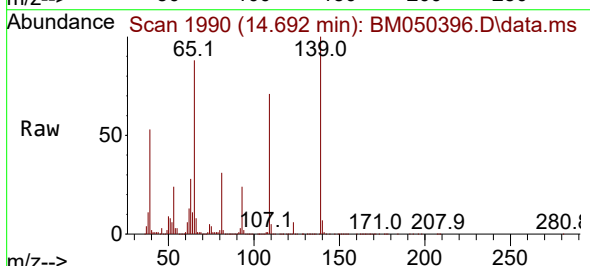
Tgt Ion:139 Resp: 1635097

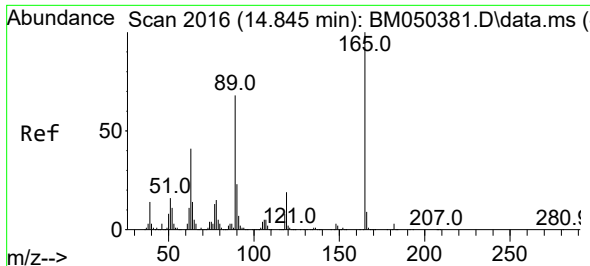
Ion Ratio Lower Upper

139 100

109 70.9 56.5 96.5

65 88.0 76.4 116.4





#57

2,4-Dinitrotoluene

Concen: 45.426 ng

RT: 14.845 min Scan# 2016

Delta R.T. 0.000 min

Lab File: BM050396.D

Acq: 10 Jul 2025 19:18

Instrument :

BNA_M

ClientSampleId :

TP-49MSD

Tgt Ion:165 Resp: 1264089

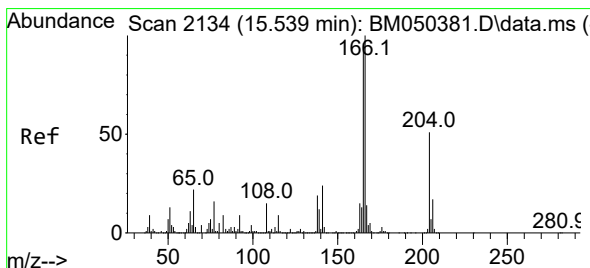
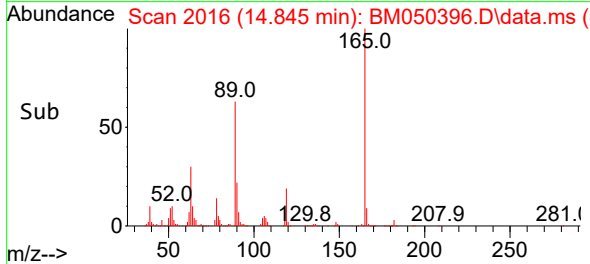
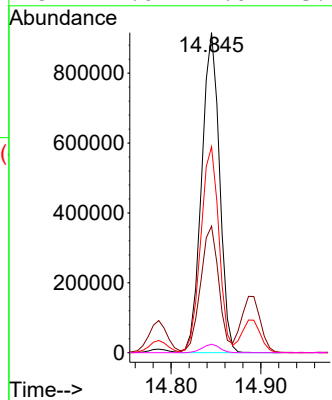
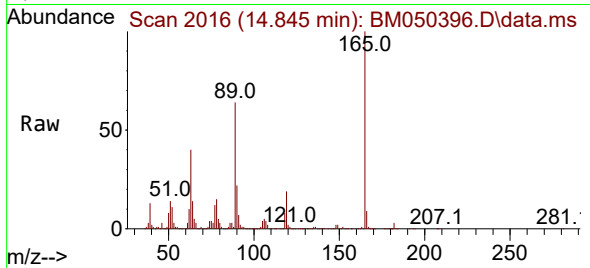
Ion Ratio Lower Upper

165 100

63 39.5 32.5 48.7

89 64.3 54.0 81.0

182 2.6 2.0 3.0



#58

Fluorene

Concen: 44.919 ng

RT: 15.539 min Scan# 2134

Delta R.T. 0.000 min

Lab File: BM050396.D

Acq: 10 Jul 2025 19:18

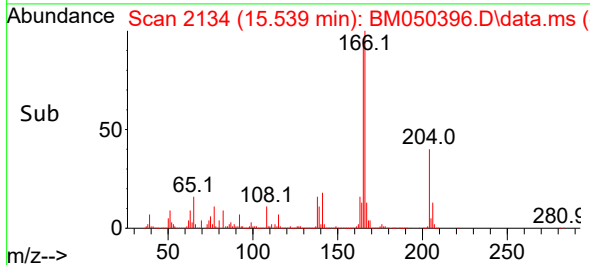
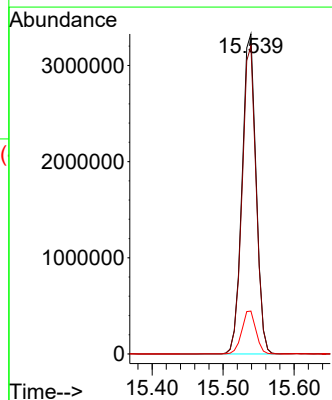
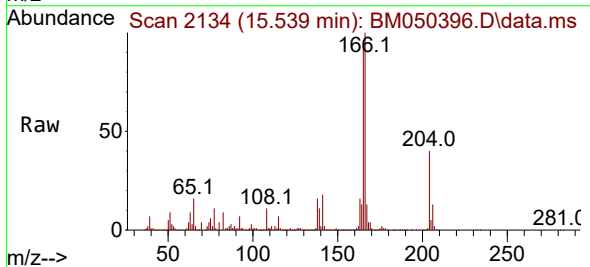
Tgt Ion:166 Resp: 4571931

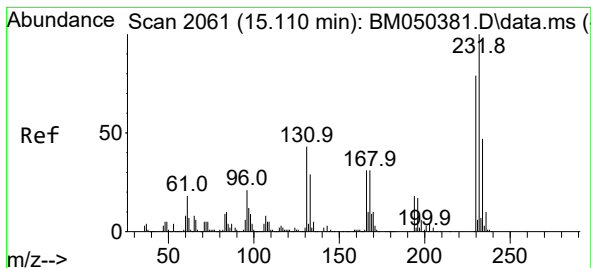
Ion Ratio Lower Upper

166 100

165 96.2 77.0 115.6

167 13.4 10.9 16.3

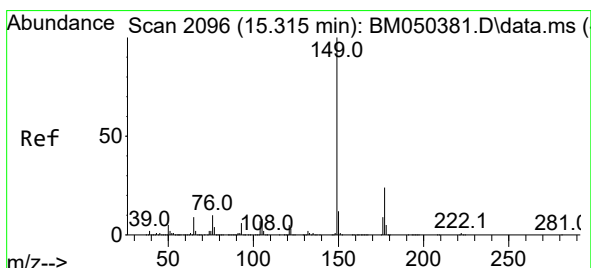
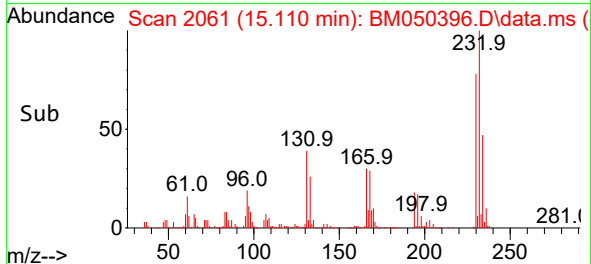
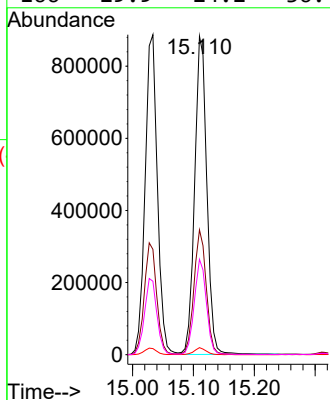
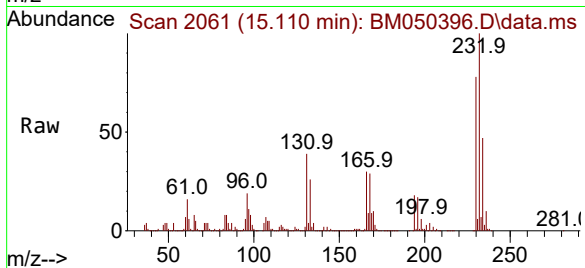




#59
2,3,4,6-Tetrachlorophenol
Concen: 48.262 ng
RT: 15.110 min Scan# 2061
Delta R.T. 0.000 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

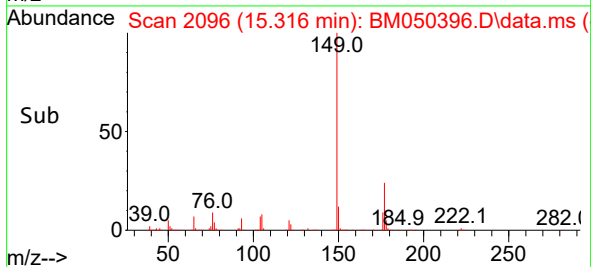
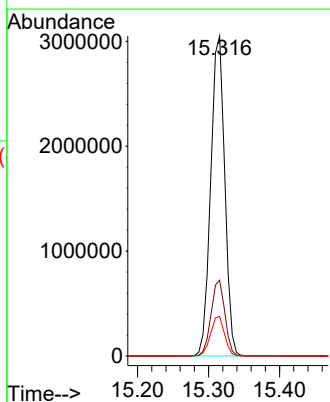
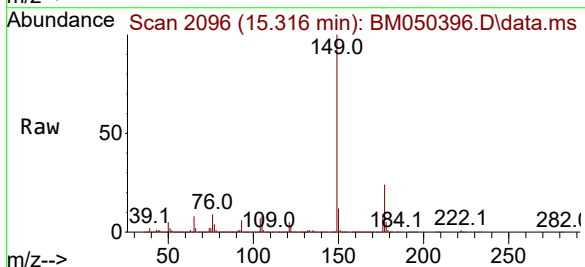
Instrument :
BNA_M
ClientSampleId :
TP-49MSD

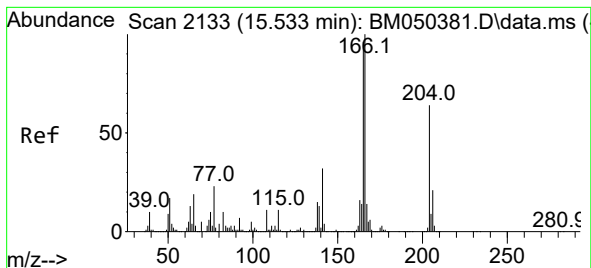
Tgt Ion:232 Resp: 1225508
Ion Ratio Lower Upper
232 100
131 39.7 33.4 50.0
130 2.2 1.8 2.6
166 29.9 24.2 36.4



#60
Diethylphthalate
Concen: 45.073 ng
RT: 15.316 min Scan# 2096
Delta R.T. 0.000 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

Tgt Ion:149 Resp: 4182651
Ion Ratio Lower Upper
149 100
177 23.7 18.8 28.2
150 12.4 9.8 14.8

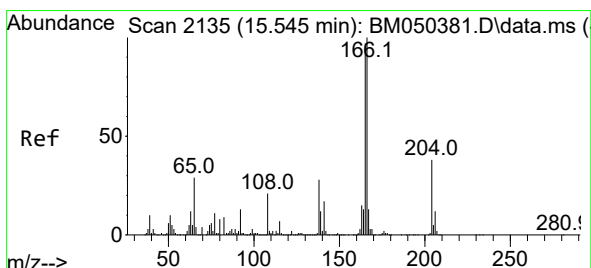
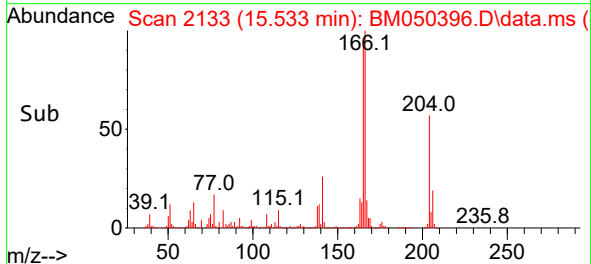
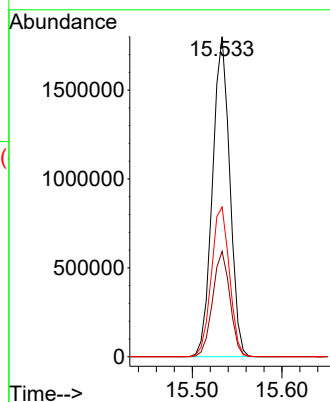
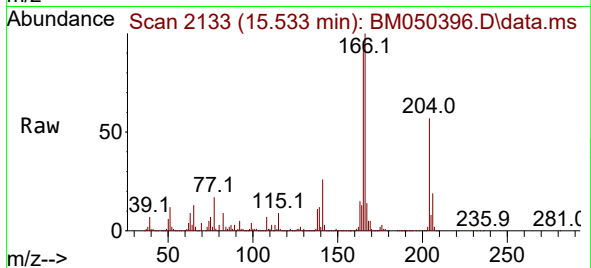




#61
4-Chlorophenyl-phenylether
Concen: 45.332 ng
RT: 15.533 min Scan# 2133
Delta R.T. 0.000 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

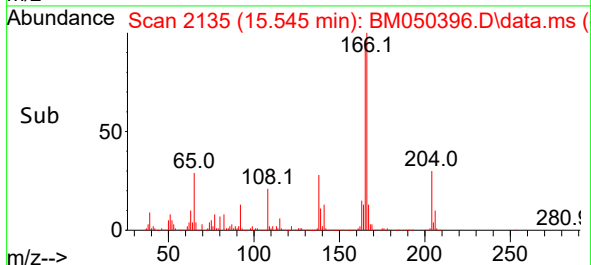
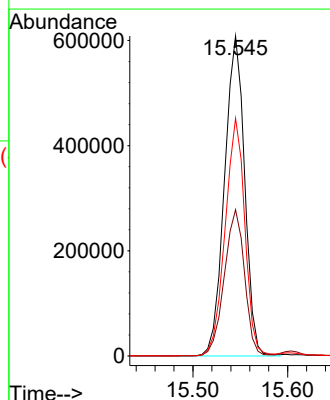
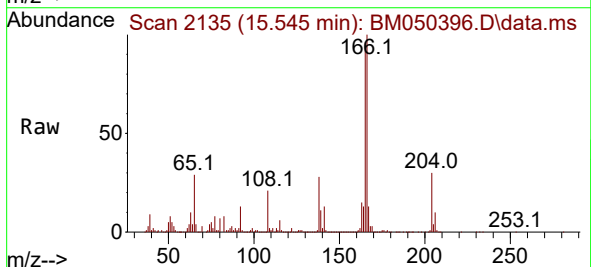
Instrument :
BNA_M
ClientSampleId :
TP-49MSD

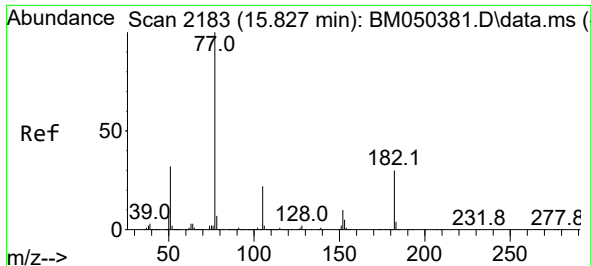
Tgt Ion:204 Resp: 2412571
Ion Ratio Lower Upper
204 100
206 32.9 26.6 39.8
141 46.8 39.9 59.9



#62
4-Nitroaniline
Concen: 39.854 ng
RT: 15.545 min Scan# 2135
Delta R.T. 0.000 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

Tgt Ion:138 Resp: 898277
Ion Ratio Lower Upper
138 100
92 45.7 24.5 64.5
108 74.2 52.5 92.5

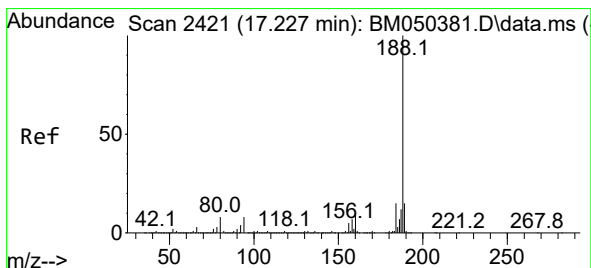
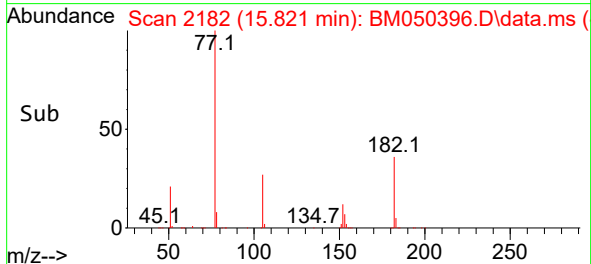
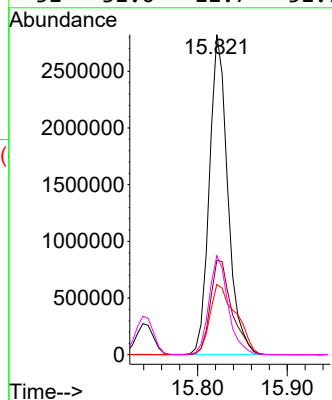
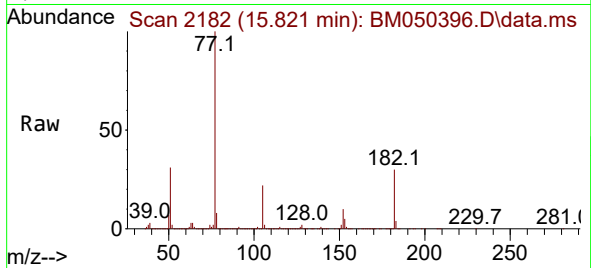




#63
Azobenzene
Concen: 47.219 ng
RT: 15.821 min Scan# 2183
Delta R.T. -0.006 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

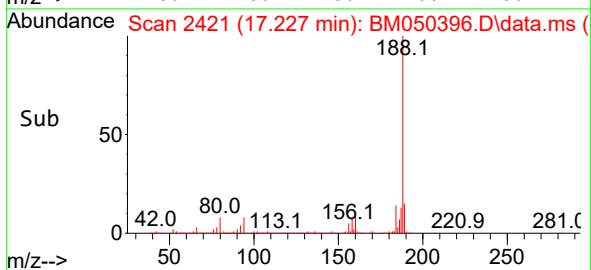
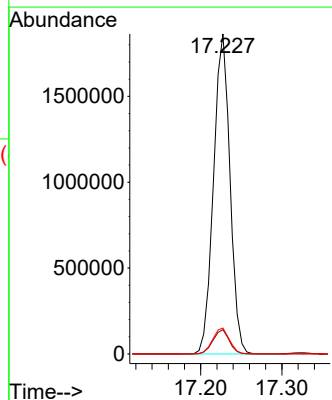
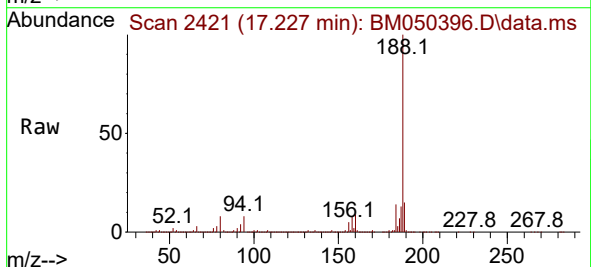
Instrument :
BNA_M
ClientSampleId :
TP-49MSD

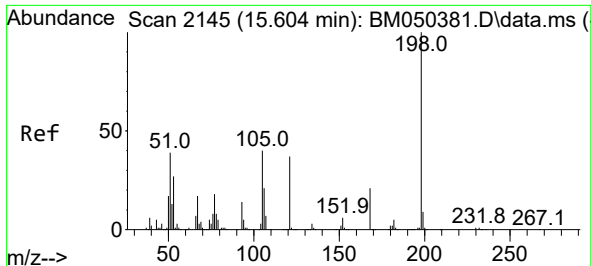
Tgt Ion: 77 Resp: 4023579
Ion Ratio Lower Upper
77 100
182 29.5 10.0 50.0
105 22.0 2.0 42.0
51 31.0 11.7 51.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2421
Delta R.T. 0.000 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

Tgt Ion:188 Resp: 2620467
Ion Ratio Lower Upper
188 100
94 7.6 6.0 9.0
80 8.1 6.5 9.7

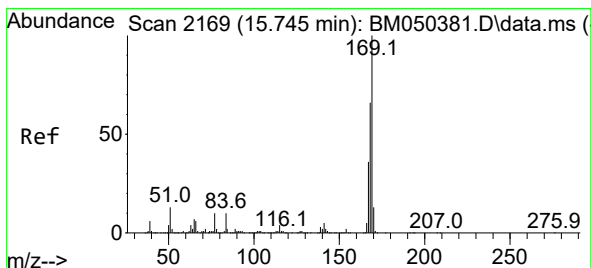
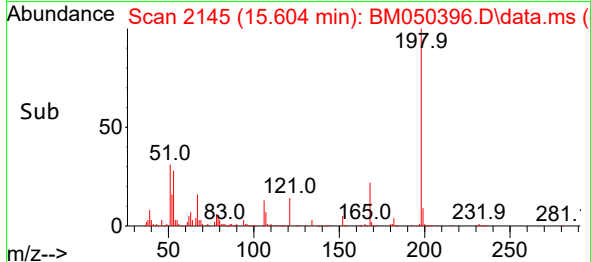
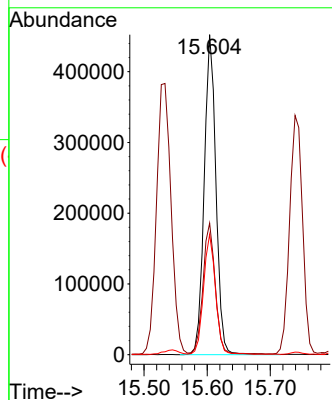
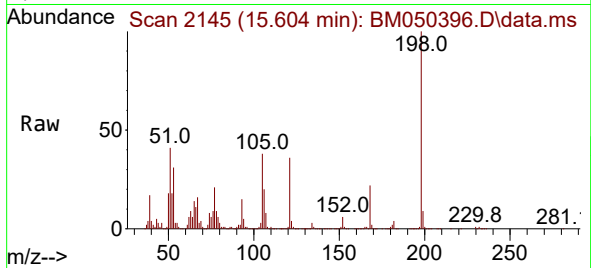




#65
4,6-Dinitro-2-methylphenol
Concen: 42.265 ng
RT: 15.604 min Scan# 2145
Delta R.T. -0.000 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

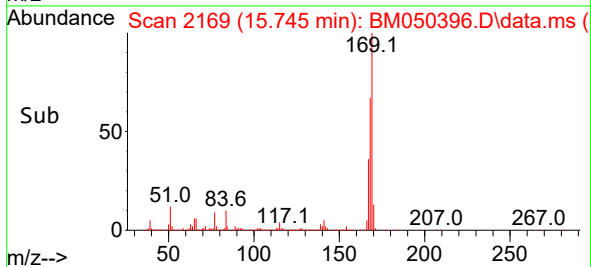
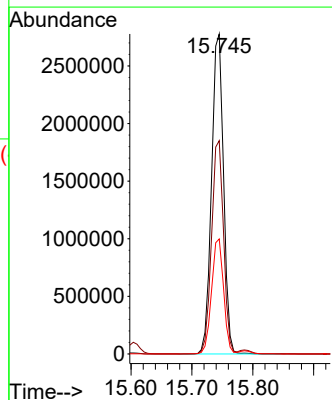
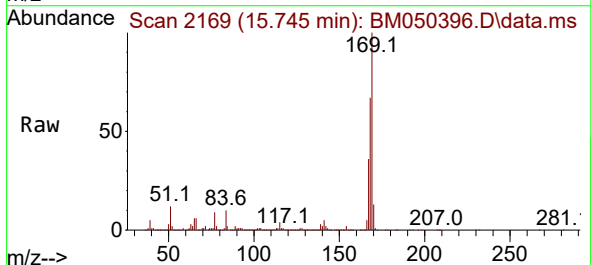
Instrument :
BNA_M
ClientSampleId :
TP-49MSD

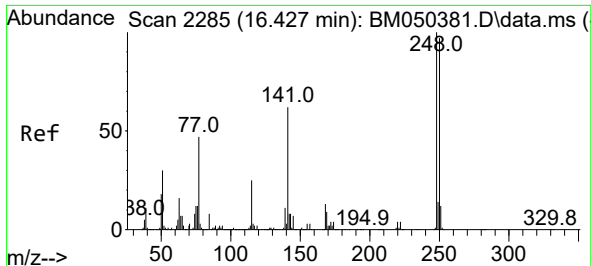
Tgt Ion:198 Resp: 583318
Ion Ratio Lower Upper
198 100
51 41.1 26.6 66.6
105 37.6 20.9 60.9



#66
n-Nitrosodiphenylamine
Concen: 46.182 ng
RT: 15.745 min Scan# 2169
Delta R.T. 0.000 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

Tgt Ion:169 Resp: 3786842
Ion Ratio Lower Upper
169 100
168 66.7 53.2 79.8
167 36.0 28.7 43.1

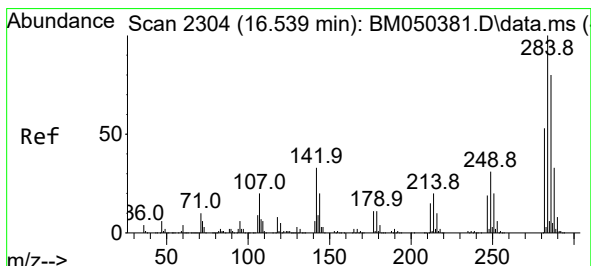
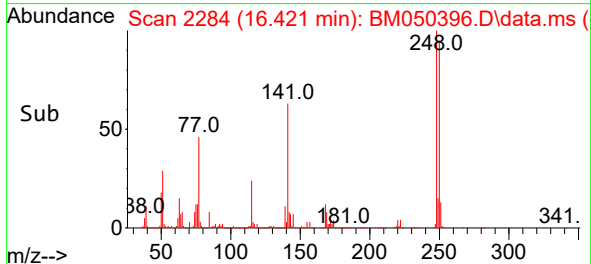
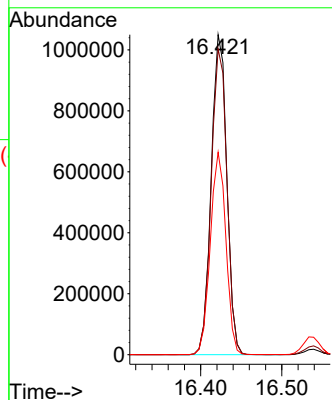
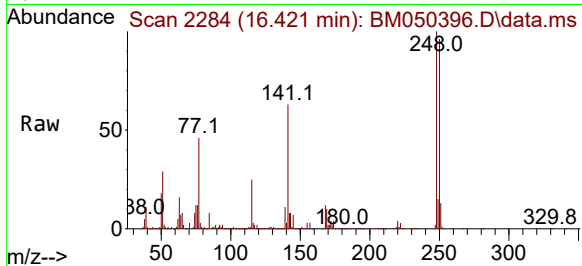




#67
4-Bromophenyl-phenylether
Concen: 48.331 ng
RT: 16.421 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

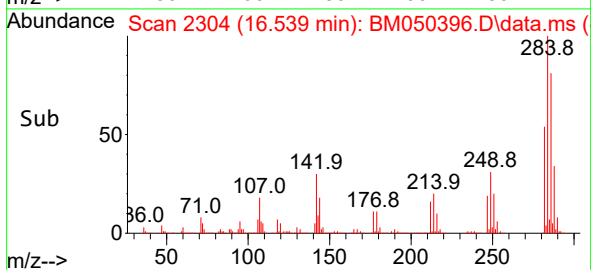
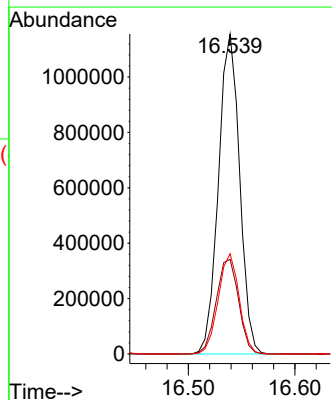
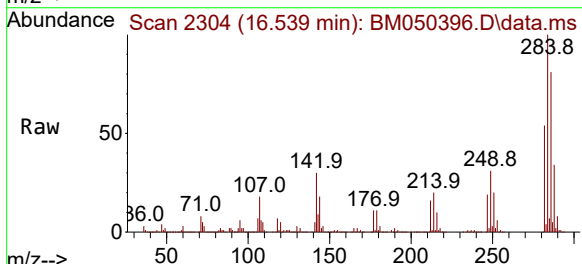
Instrument :
BNA_M
ClientSampleId :
TP-49MSD

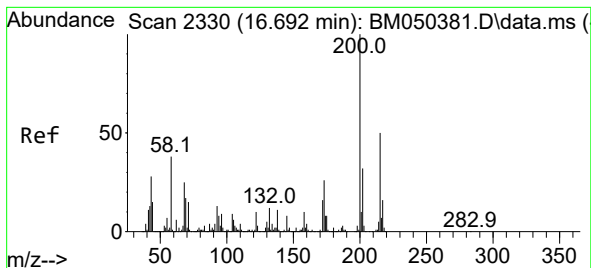
Tgt Ion:248 Resp: 1395382
Ion Ratio Lower Upper
248 100
250 95.6 77.9 116.9
141 63.3 49.7 74.5



#68
Hexachlorobenzene
Concen: 46.659 ng
RT: 16.539 min Scan# 2304
Delta R.T. 0.000 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

Tgt Ion:284 Resp: 1591047
Ion Ratio Lower Upper
284 100
142 29.6 26.8 40.2
249 31.3 24.5 36.7





#69

Atrazine

Concen: 48.847 ng

RT: 16.692 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM050396.D

Acq: 10 Jul 2025 19:18

Instrument :

BNA_M

ClientSampleId :

TP-49MSD

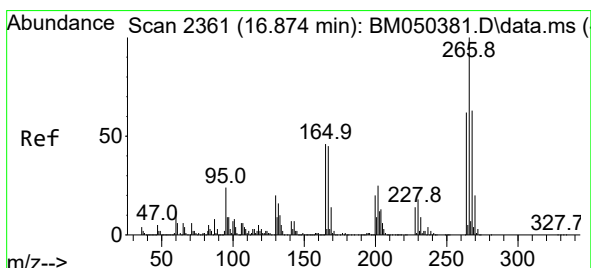
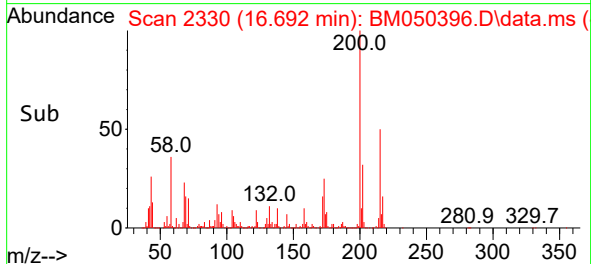
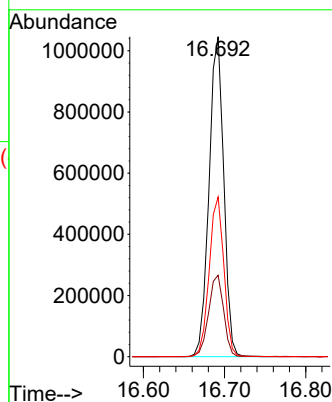
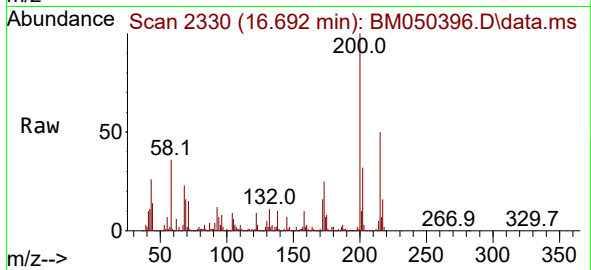
Tgt Ion:200 Resp: 1315239

Ion Ratio Lower Upper

200 100

173 25.5 5.6 45.6

215 49.9 29.6 69.6



#70

Pentachlorophenol

Concen: 99.269 ng

RT: 16.874 min Scan# 2361

Delta R.T. 0.000 min

Lab File: BM050396.D

Acq: 10 Jul 2025 19:18

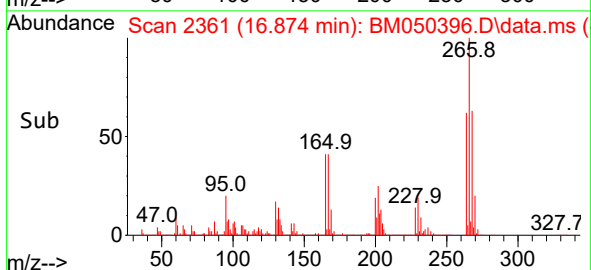
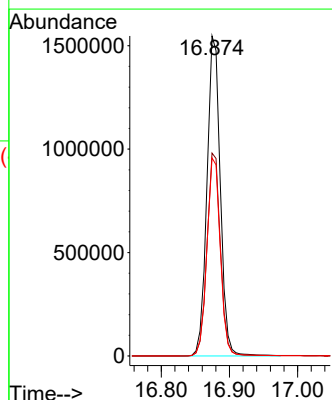
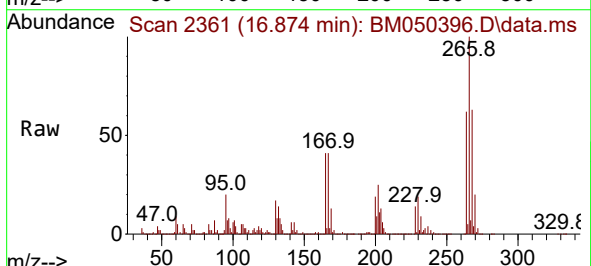
Tgt Ion:266 Resp: 2107205

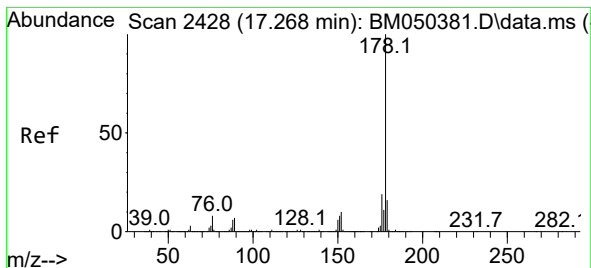
Ion Ratio Lower Upper

266 100

268 63.4 50.5 75.7

264 61.9 49.9 74.9





#71

Phenanthrene

Concen: 44.966 ng

RT: 17.268 min Scan# 2428

Delta R.T. 0.000 min

Lab File: BM050396.D

Acq: 10 Jul 2025 19:18

Instrument :

BNA_M

ClientSampleId :

TP-49MSD

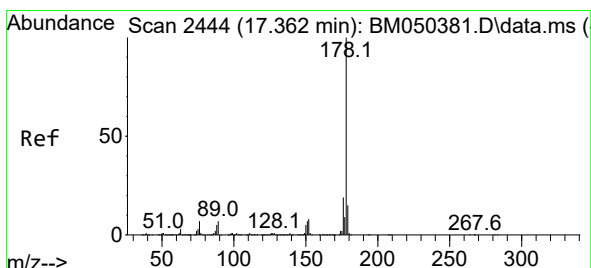
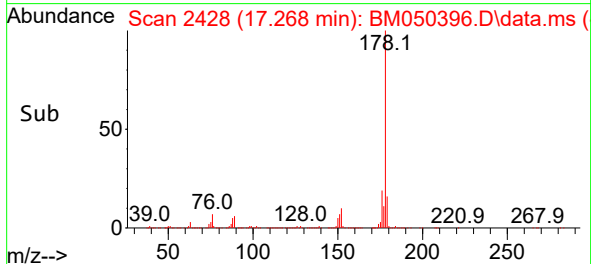
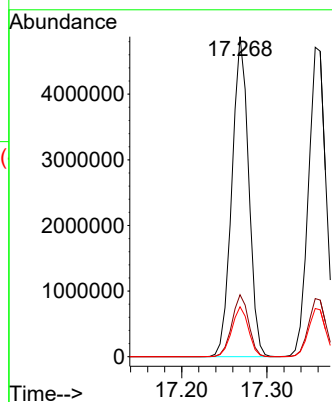
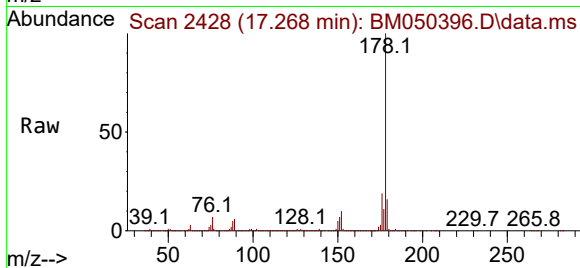
Tgt Ion:178 Resp: 6667527

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.0

179 15.6 12.5 18.7



#72

Anthracene

Concen: 45.700 ng

RT: 17.357 min Scan# 2443

Delta R.T. -0.006 min

Lab File: BM050396.D

Acq: 10 Jul 2025 19:18

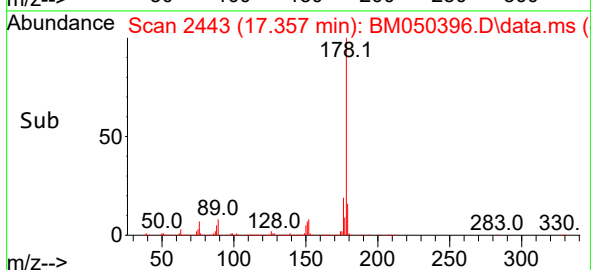
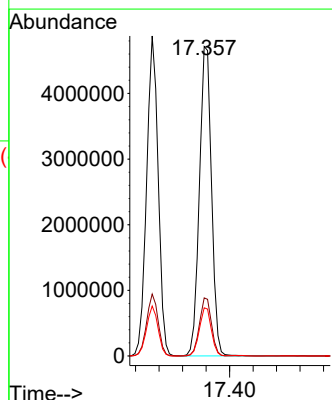
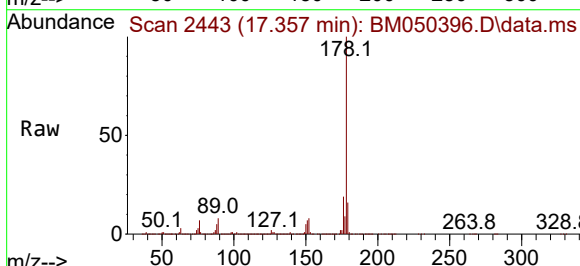
Tgt Ion:178 Resp: 6745323

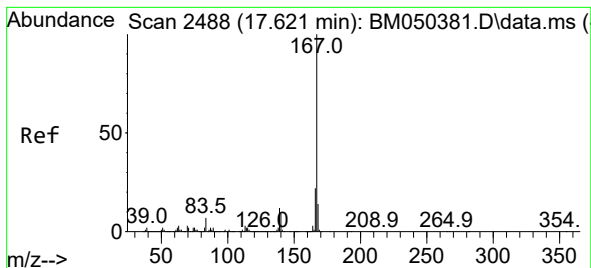
Ion Ratio Lower Upper

178 100

176 18.8 14.9 22.3

179 15.6 12.2 18.4





#73

Carbazole

Concen: 44.228 ng

RT: 17.621 min Scan# 2488

Delta R.T. 0.000 min

Lab File: BM050396.D

Acq: 10 Jul 2025 19:18

Instrument :

BNA_M

ClientSampleId :

TP-49MSD

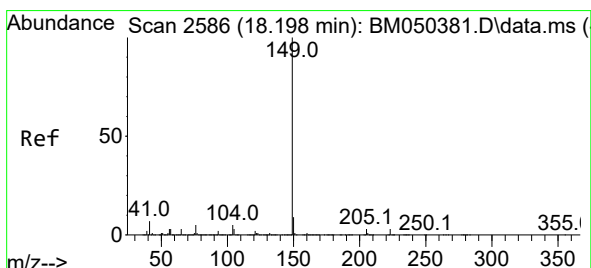
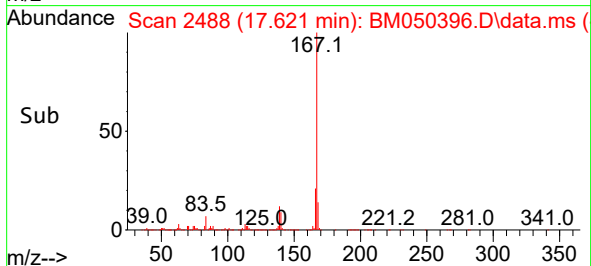
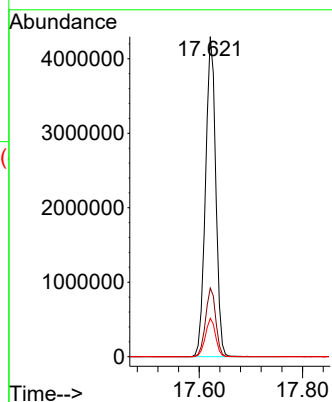
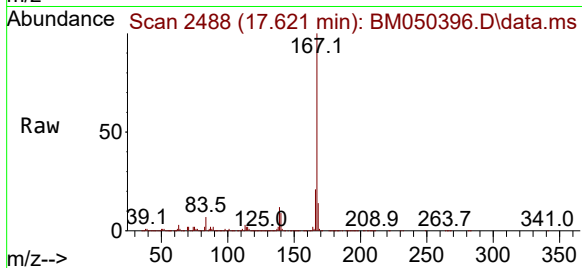
Tgt Ion:167 Resp: 5906740

Ion Ratio Lower Upper

167 100

166 21.4 17.2 25.8

139 12.0 9.9 14.9



#74

Di-n-butylphthalate

Concen: 47.880 ng

RT: 18.198 min Scan# 2586

Delta R.T. 0.000 min

Lab File: BM050396.D

Acq: 10 Jul 2025 19:18

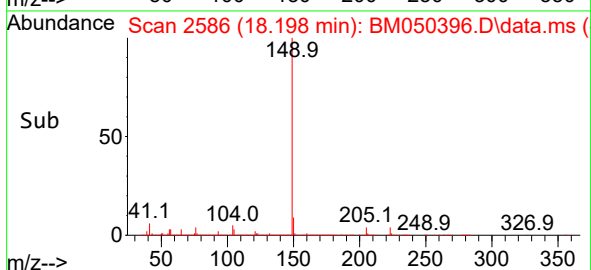
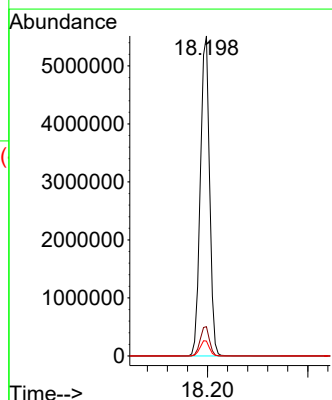
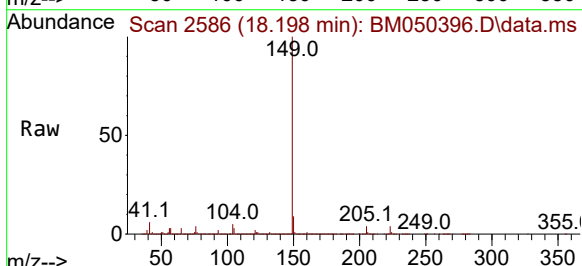
Tgt Ion:149 Resp: 6999012

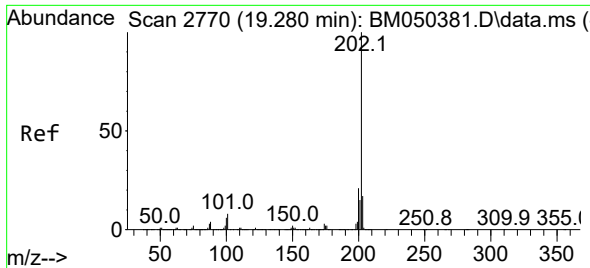
Ion Ratio Lower Upper

149 100

150 9.2 7.3 10.9

104 4.7 3.9 5.9

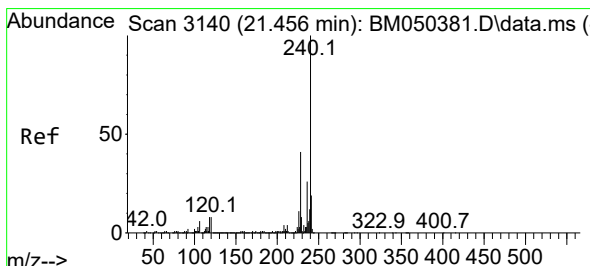
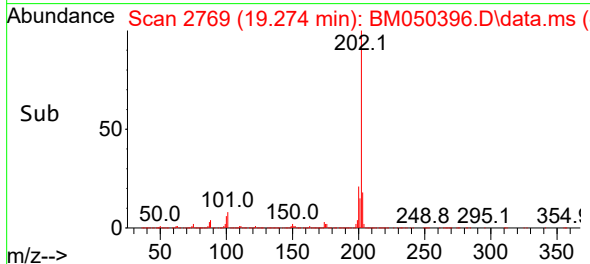
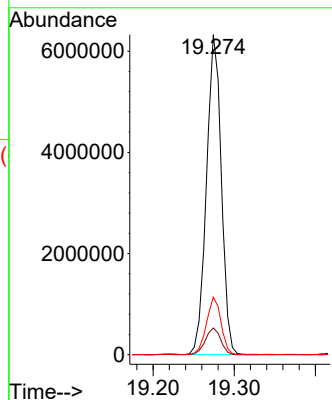
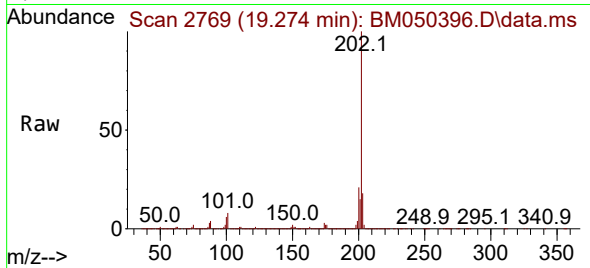




#75
Fluoranthene
Concen: 49.674 ng
RT: 19.274 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

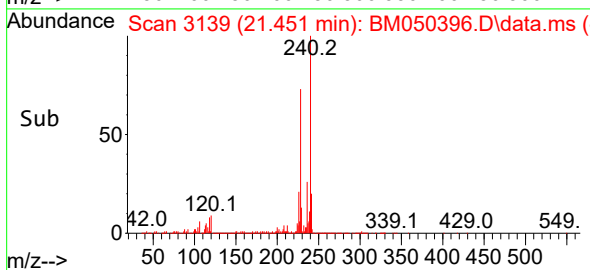
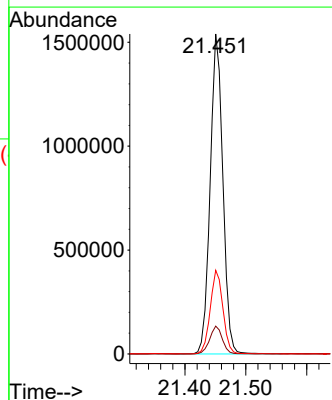
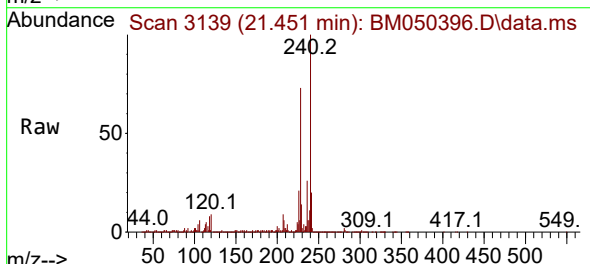
Instrument :
BNA_M
ClientSampleId :
TP-49MSD

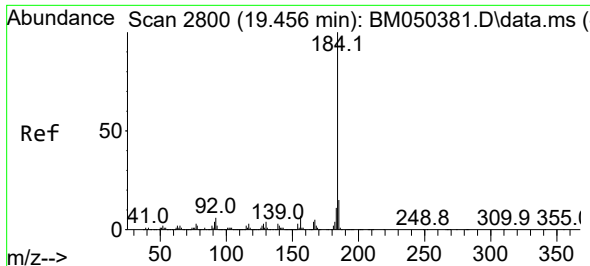
Tgt Ion:202 Resp: 8007356
Ion Ratio Lower Upper
202 100
101 8.3 0.0 28.3
203 18.0 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.451 min Scan# 3139
Delta R.T. -0.006 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

Tgt Ion:240 Resp: 2225729
Ion Ratio Lower Upper
240 100
120 8.7 6.7 10.1
236 26.1 20.7 31.1

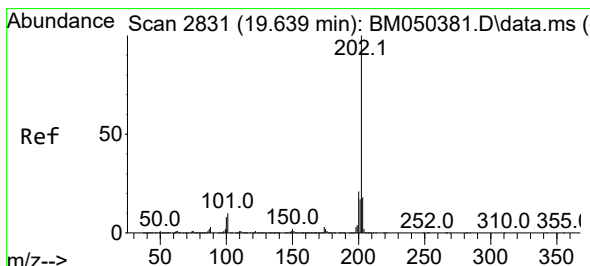
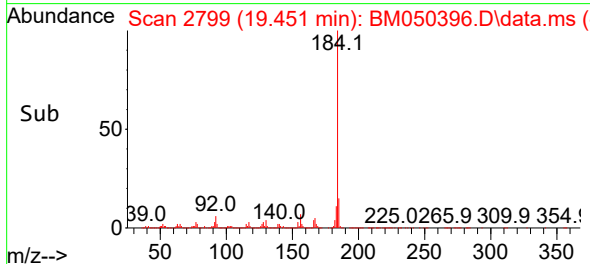
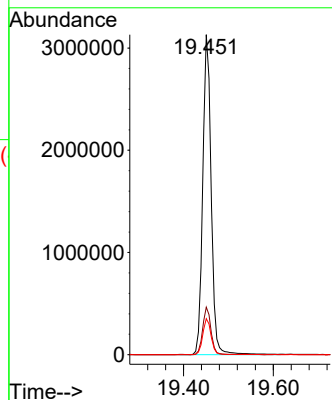
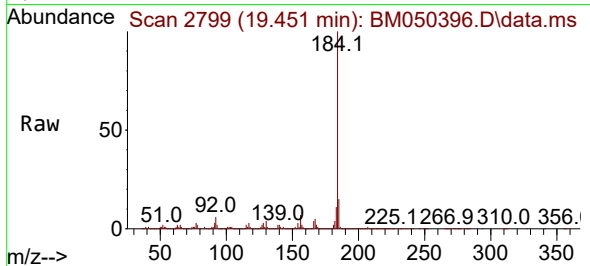




#77
Benzidine
Concen: 71.901 ng
RT: 19.451 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

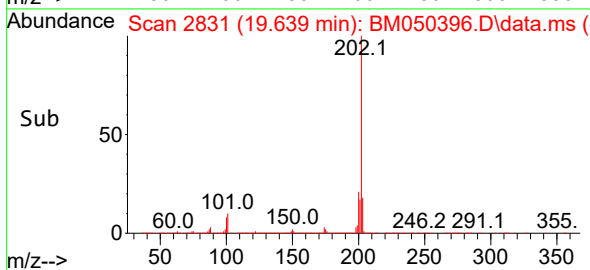
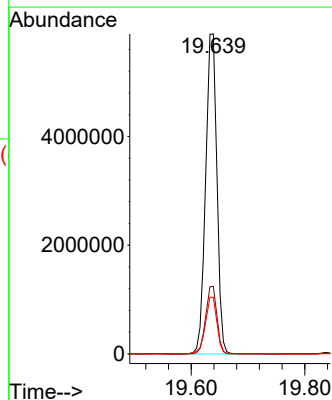
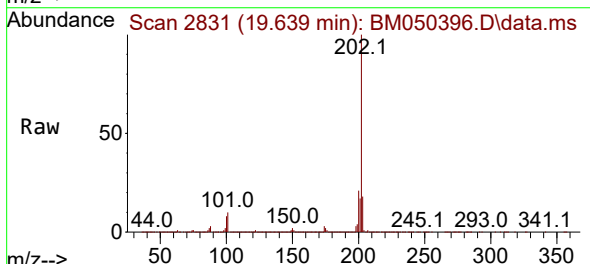
Instrument :
BNA_M
ClientSampleId :
TP-49MSD

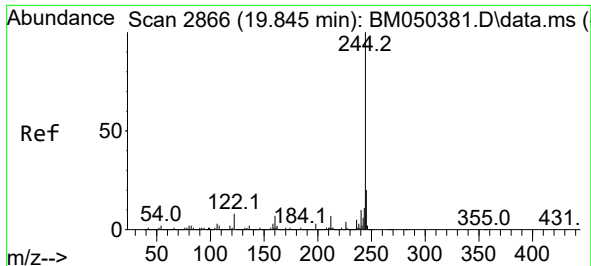
Tgt Ion:184 Resp: 4081856
Ion Ratio Lower Upper
184 100
185 14.9 11.7 17.5
183 11.2 9.0 13.6



#78
Pyrene
Concen: 56.786 ng
RT: 19.639 min Scan# 2831
Delta R.T. 0.000 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

Tgt Ion:202 Resp: 8094743
Ion Ratio Lower Upper
202 100
200 21.1 16.9 25.3
203 17.7 14.1 21.1

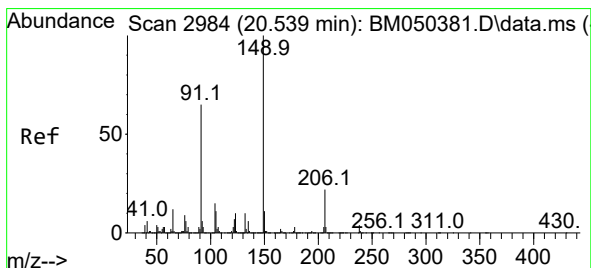
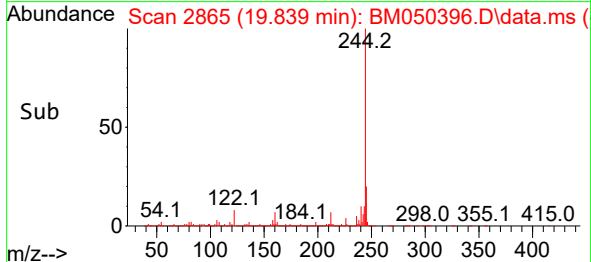
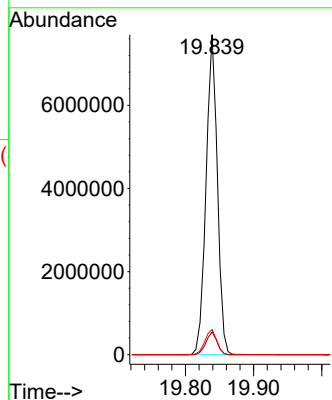
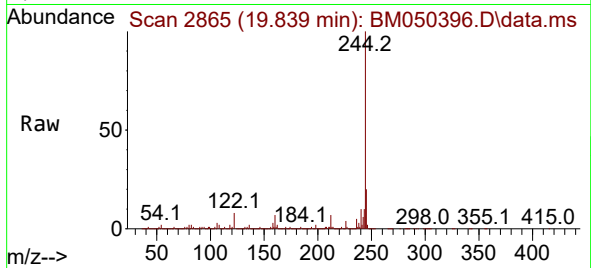




#79
 Terphenyl-d14
 Concen: 70.141 ng
 RT: 19.839 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM050396.D
 Acq: 10 Jul 2025 19:18

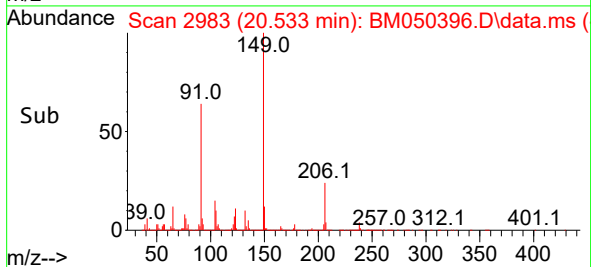
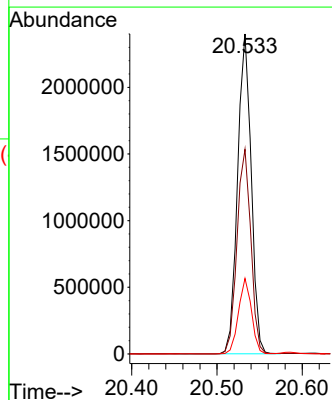
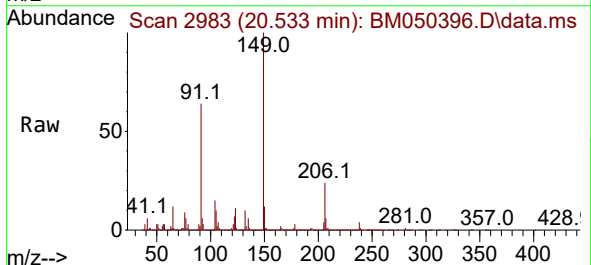
Instrument :
 BNA_M
 ClientSampleId :
 TP-49MSD

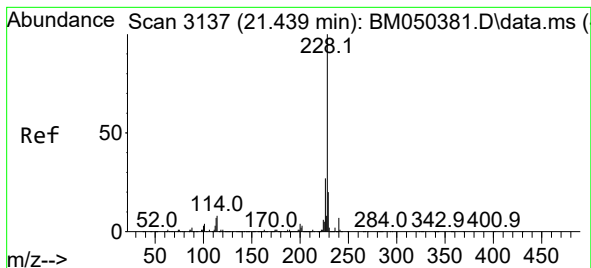
Tgt Ion:244 Resp: 8872887
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.7 8.5
 122 7.9 6.2 9.2



#80
 Butylbenzylphthalate
 Concen: 56.685 ng
 RT: 20.533 min Scan# 2983
 Delta R.T. -0.006 min
 Lab File: BM050396.D
 Acq: 10 Jul 2025 19:18

Tgt Ion:149 Resp: 2664337
 Ion Ratio Lower Upper
 149 100
 91 64.0 51.6 77.4
 206 23.6 17.8 26.8





#81

Benzo(a)anthracene

Concen: 48.887 ng

RT: 21.433 min Scan# 3137

Delta R.T. -0.006 min

Lab File: BM050396.D

Acq: 10 Jul 2025 19:18

Instrument :

BNA_M

ClientSampleId :

TP-49MSD

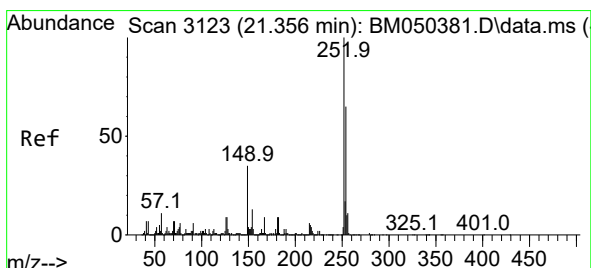
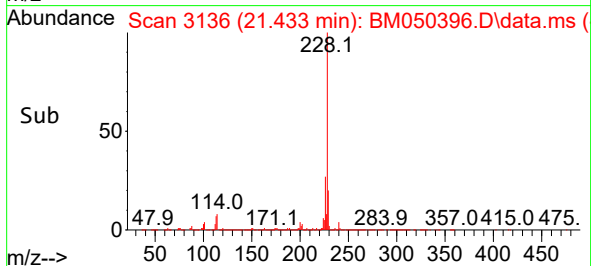
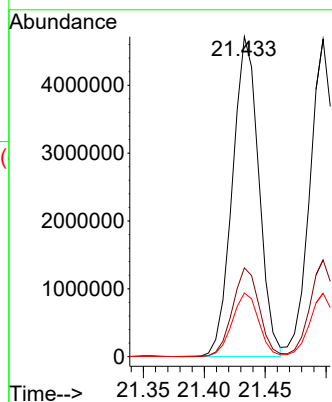
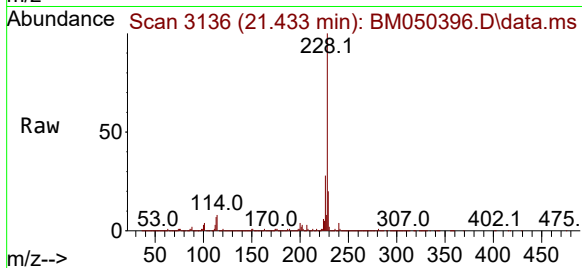
Tgt Ion:228 Resp: 7089619

Ion Ratio Lower Upper

228 100

226 27.8 21.8 32.8

229 19.9 16.0 24.0



#82

3,3'-Dichlorobenzidine

Concen: 23.658 ng

RT: 21.351 min Scan# 3122

Delta R.T. -0.006 min

Lab File: BM050396.D

Acq: 10 Jul 2025 19:18

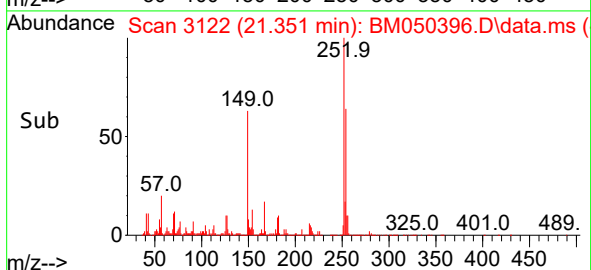
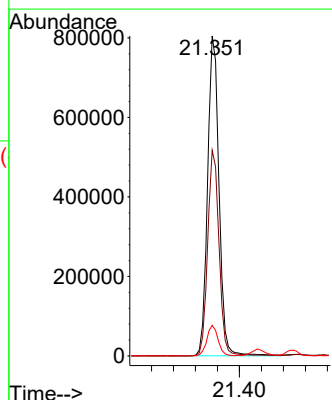
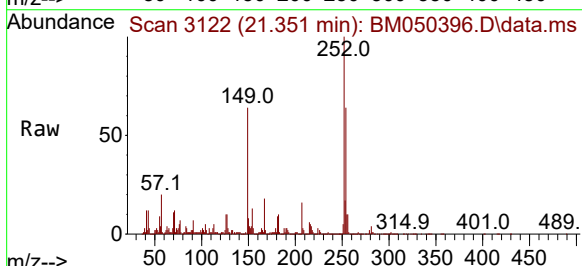
Tgt Ion:252 Resp: 1157046

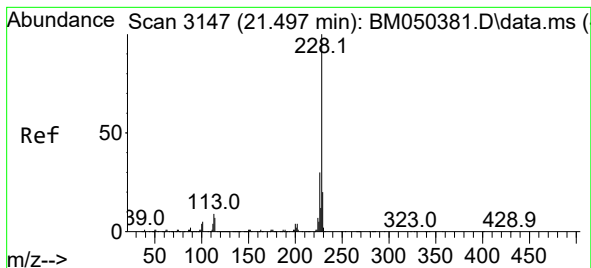
Ion Ratio Lower Upper

252 100

254 64.3 51.7 77.5

126 9.6 7.3 10.9





#83

Chrysene

Concen: 48.177 ng

RT: 21.498 min Scan# 3147

Delta R.T. 0.000 min

Lab File: BM050396.D

Acq: 10 Jul 2025 19:18

Instrument :

BNA_M

ClientSampleId :

TP-49MSD

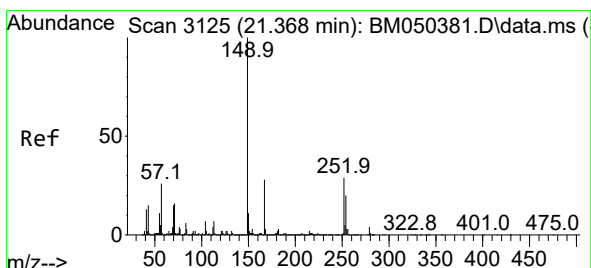
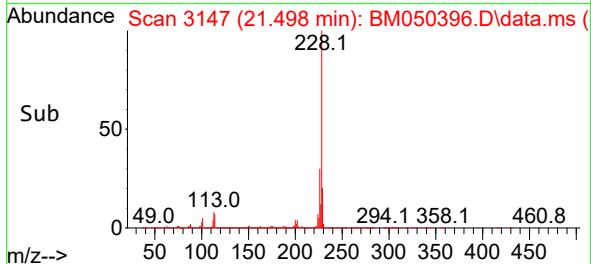
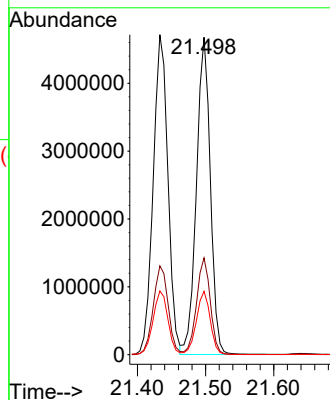
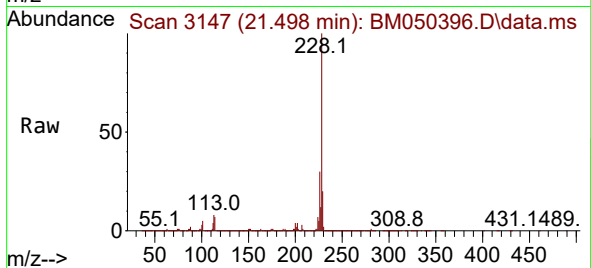
Tgt Ion:228 Resp: 6589909

Ion Ratio Lower Upper

228 100

226 30.5 24.2 36.4

229 20.0 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 53.165 ng

RT: 21.368 min Scan# 3125

Delta R.T. 0.000 min

Lab File: BM050396.D

Acq: 10 Jul 2025 19:18

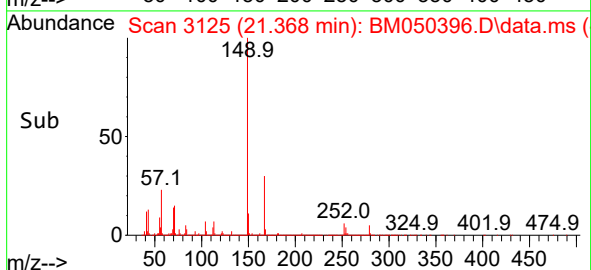
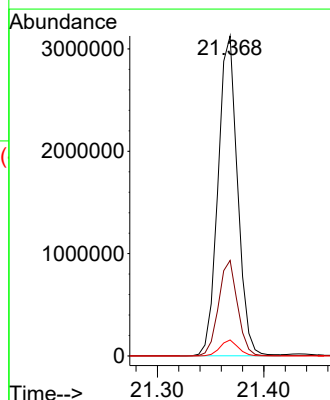
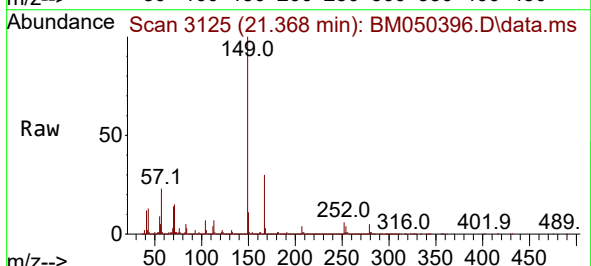
Tgt Ion:149 Resp: 3966910

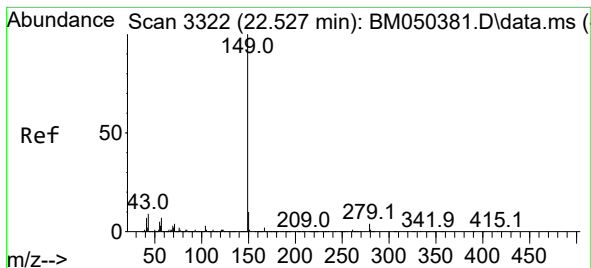
Ion Ratio Lower Upper

149 100

167 29.9 22.7 34.1

279 5.0 3.5 5.3





#85

Di-n-octyl phthalate

Concen: 53.052 ng

RT: 22.515 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM050396.D

Acq: 10 Jul 2025 19:18

Instrument :

BNA_M

ClientSampleId :

TP-49MSD

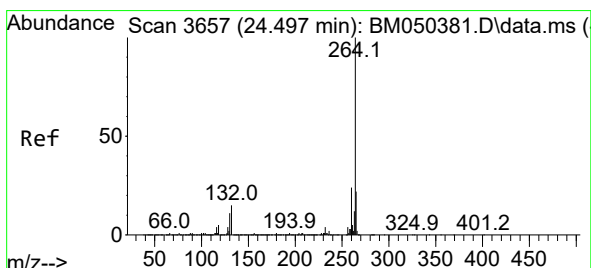
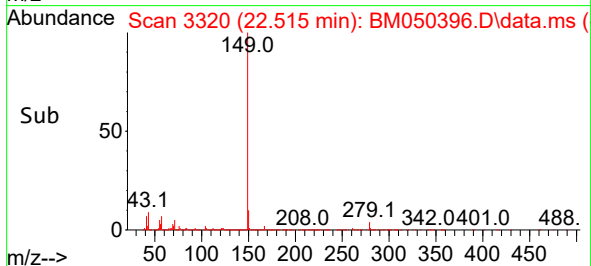
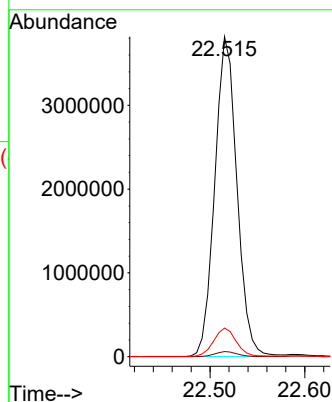
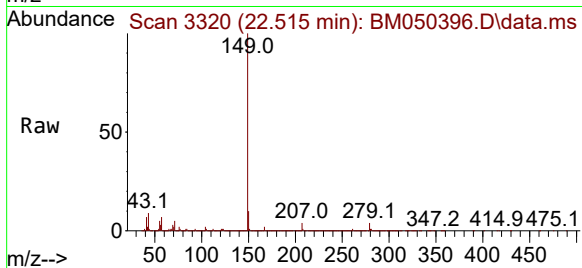
Tgt Ion:149 Resp: 6199820

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 9.0 7.7 11.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.491 min Scan# 3656

Delta R.T. -0.006 min

Lab File: BM050396.D

Acq: 10 Jul 2025 19:18

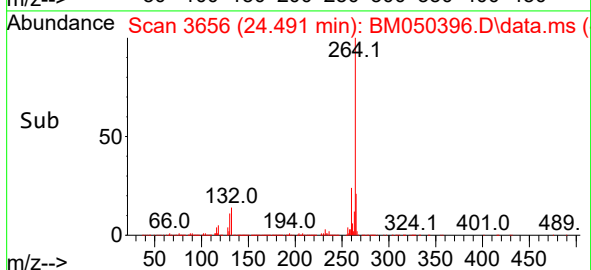
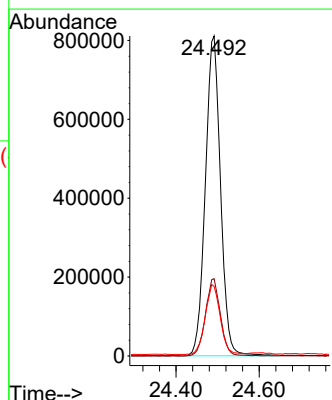
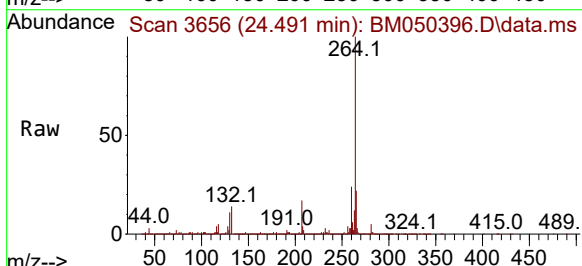
Tgt Ion:264 Resp: 2052956

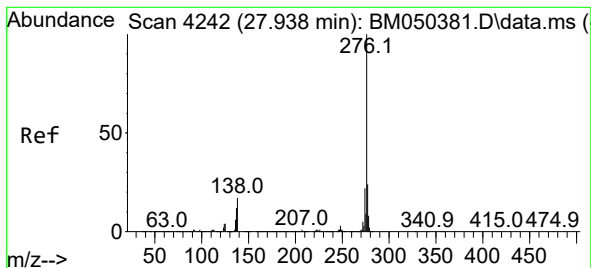
Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 21.8 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 48.785 ng

RT: 27.938 min Scan# 41

Delta R.T. 0.000 min

Lab File: BM050396.D

Acq: 10 Jul 2025 19:18

Instrument :

BNA_M

ClientSampleId :

TP-49MSD

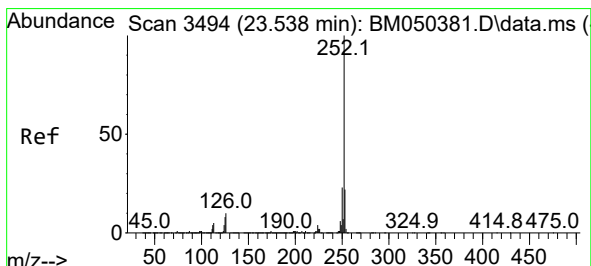
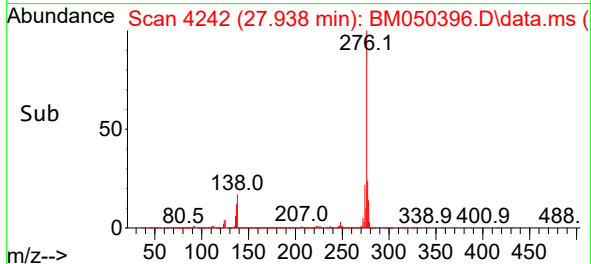
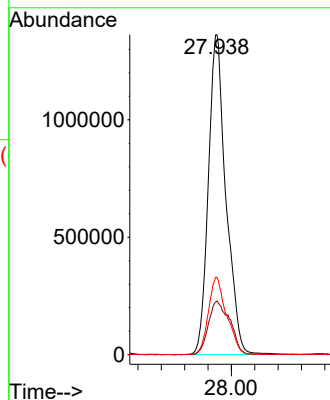
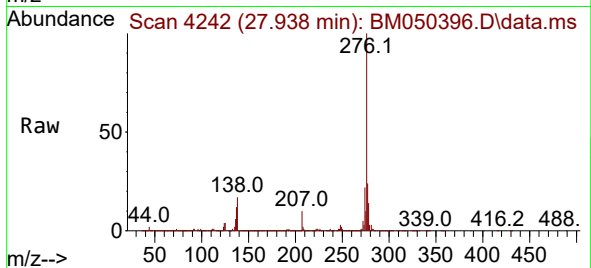
Tgt Ion:276 Resp: 7120824

Ion Ratio Lower Upper

276 100

138 20.4 17.0 25.6

277 25.0 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 50.194 ng

RT: 23.533 min Scan# 3493

Delta R.T. -0.006 min

Lab File: BM050396.D

Acq: 10 Jul 2025 19:18

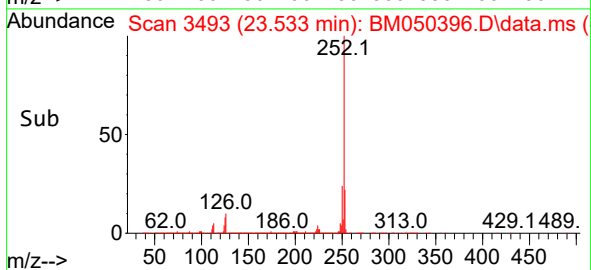
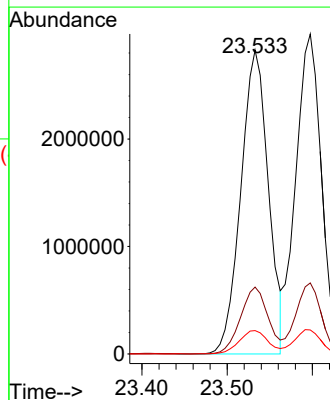
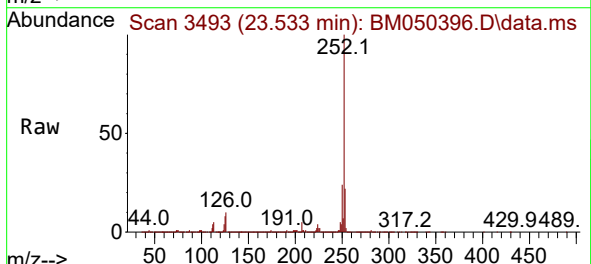
Tgt Ion:252 Resp: 6338332

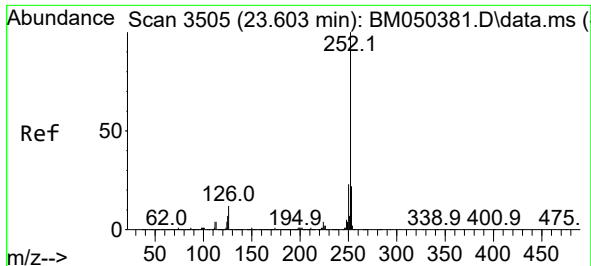
Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

125 7.7 6.3 9.5

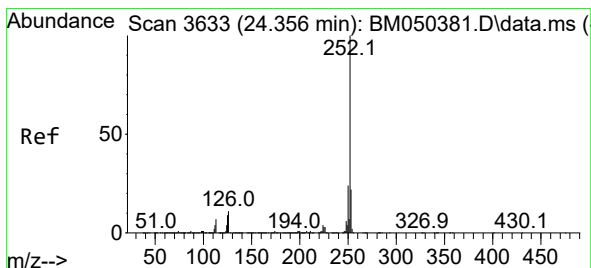
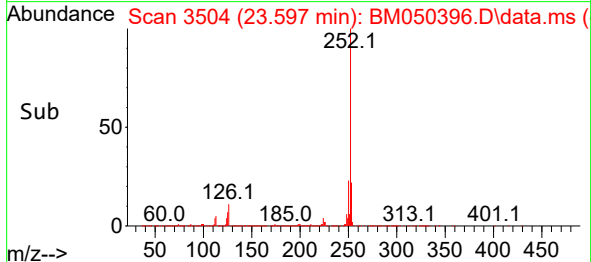
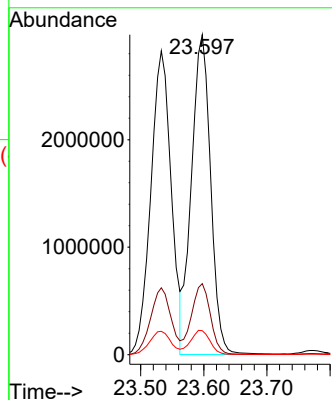
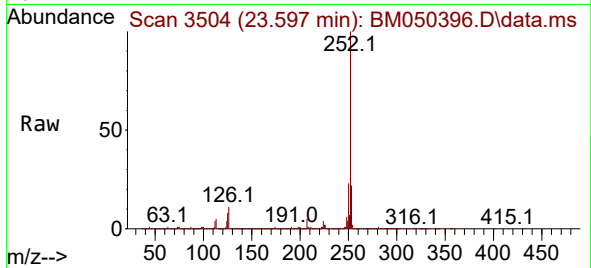




#89
Benzo(k)fluoranthene
Concen: 47.940 ng
RT: 23.597 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

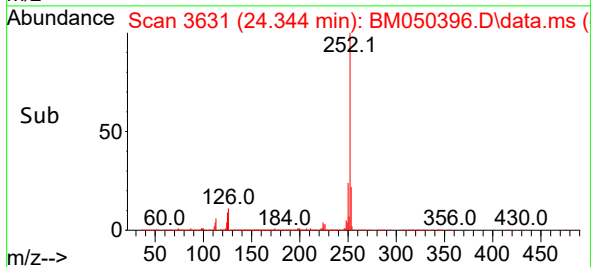
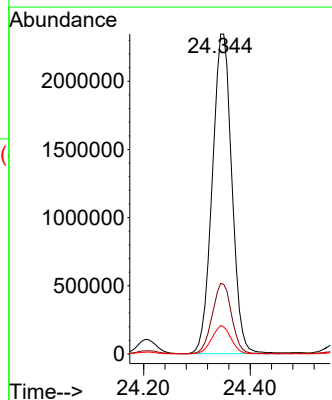
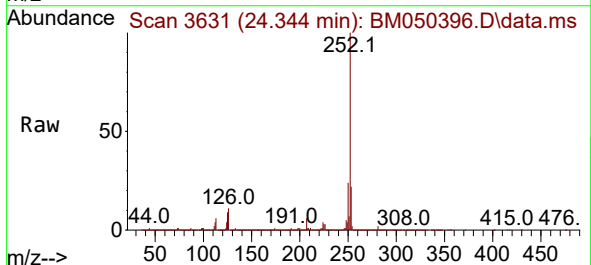
Instrument :
BNA_M
ClientSampleId :
TP-49MSD

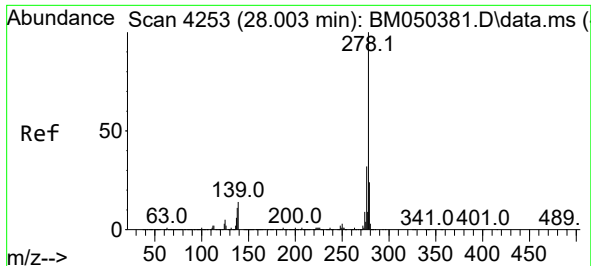
Tgt Ion:252 Resp: 6281505
Ion Ratio Lower Upper
252 100
253 22.2 17.6 26.4
125 7.5 6.2 9.2



#90
Benzo(a)pyrene
Concen: 50.522 ng
RT: 24.344 min Scan# 3631
Delta R.T. -0.012 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

Tgt Ion:252 Resp: 5972104
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.6
125 8.9 7.0 10.4

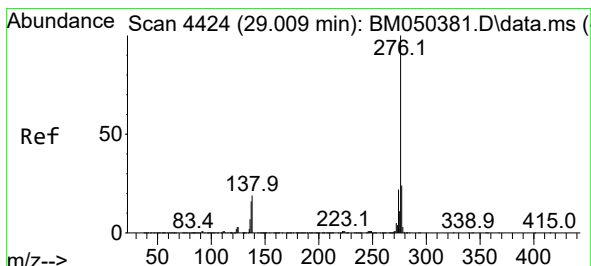
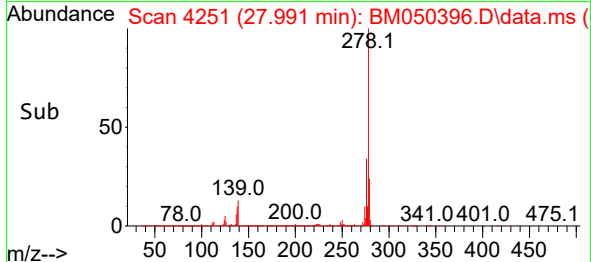
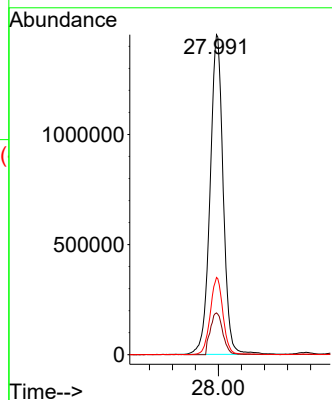
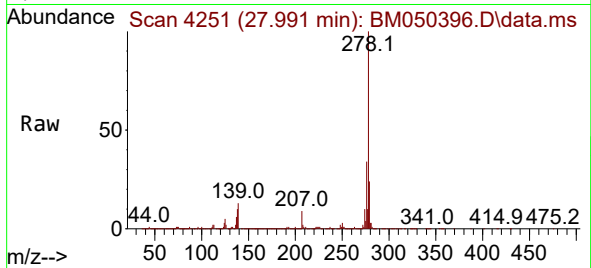




#91
Dibenzo(a,h)anthracene
Concen: 46.540 ng
RT: 27.991 min Scan# 41
Delta R.T. -0.012 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

Instrument :
BNA_M
ClientSampleId :
TP-49MSD

Tgt Ion:278 Resp: 5721036
Ion Ratio Lower Upper
278 100
139 13.1 10.8 16.2
279 24.1 19.4 29.0



#92
Benzo(g,h,i)perylene
Concen: 48.999 ng
RT: 29.003 min Scan# 4423
Delta R.T. -0.006 min
Lab File: BM050396.D
Acq: 10 Jul 2025 19:18

Tgt Ion:276 Resp: 5692682
Ion Ratio Lower Upper
276 100
277 23.3 19.1 28.7
138 17.4 14.9 22.3

