

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071525\
 Data File : BM050456.D
 Acq On : 15 Jul 2025 15:31
 Operator : RC/JU
 Sample : Q2571-04MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-18MSD

Quant Time: Jul 15 16:01:33 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	7.857	152	557347	20.000	ng	0.00
21) Naphthalene-d8	10.651	136	2114221	20.000	ng	-0.01
39) Acenaphthene-d10	14.486	164	1418618	20.000	ng	0.00
64) Phenanthrene-d10	17.215	188	2807645	20.000	ng	-0.01
76) Chrysene-d12	21.439	240	3021882	20.000	ng	-0.02
86) Perylene-d12	24.468	264	3215714	20.000	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	3559163	109.922	ng	0.00
7) Phenol-d6	7.022	99	4307006	105.519	ng	0.00
23) Nitrobenzene-d5	9.016	82	2906747	70.142	ng	0.00
42) 2,4,6-Tribromophenol	15.968	330	2443638	141.772	ng	0.00
45) 2-Fluorobiphenyl	13.110	172	7655220	66.640	ng	-0.01
79) Terphenyl-d14	19.827	244	12523957	72.919	ng	-0.02

Target Compounds					Qvalue	
2) 1,4-Dioxane	3.346	88	408890	30.710	ng	# 67
3) Pyridine	3.746	79	1023714	29.287	ng	96
4) n-Nitrosodimethylamine	3.646	42	561547	34.460	ng	92
6) Aniline	7.187	93	1308261	24.975	ng	99
8) 2-Chlorophenol	7.428	128	1383385	40.518	ng	97
9) Benzaldehyde	6.998	77	657857	27.094	ng	97
10) Phenol	7.051	94	1592263	37.401	ng	98
11) bis(2-Chloroethyl)ether	7.281	93	1256260	36.847	ng	98
12) 1,3-Dichlorobenzene	7.751	146	1407841	33.911	ng	96
13) 1,4-Dichlorobenzene	7.898	146	1440954	33.992	ng	99
14) 1,2-Dichlorobenzene	8.210	146	1406719	34.662	ng	99
15) Benzyl Alcohol	8.098	79	1213252	42.186	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.387	45	1747927	34.805	ng	99
17) 2-Methylphenol	8.298	107	1128963	40.887	ng	99
18) Hexachloroethane	8.945	117	498600	33.444	ng	94
19) n-Nitroso-di-n-propyla...	8.663	70	1007245	40.735	ng	95
20) 3+4-Methylphenols	8.622	107	1548647	41.779	ng	99
22) Acetophenone	8.681	105	2014688	38.113	ng	# 97
24) Nitrobenzene	9.057	77	1403081	37.942	ng	97
25) Isophorone	9.586	82	2784403	41.407	ng	100
26) 2-Nitrophenol	9.763	139	707026	46.912	ng	98
27) 2,4-Dimethylphenol	9.828	122	1343994	41.907	ng	97
28) bis(2-Chloroethoxy)met...	10.063	93	1769875	39.720	ng	98
29) 2,4-Dichlorophenol	10.298	162	1467263	44.533	ng	99
30) 1,2,4-Trichlorobenzene	10.516	180	1486053	37.703	ng	99
31) Naphthalene	10.704	128	4031573	37.542	ng	99
32) Benzoic acid	9.951	122	985318	49.798	ng	96
33) 4-Chloroaniline	10.804	127	621015	13.679	ng	99
34) Hexachlorobutadiene	10.998	225	892438	37.098	ng	99
35) Caprolactam	11.586	113	385024	42.807	ng	93
36) 4-Chloro-3-methylphenol	11.927	107	1401712	45.558	ng	98
37) 2-Methylnaphthalene	12.310	142	2773699	40.907	ng	97
38) 1-Methylnaphthalene	12.533	142	2914040	40.609	ng	99
40) 1,2,4,5-Tetrachloroben...	12.680	216	1816052	40.255	ng	99
41) Hexachlorocyclopentadiene	12.669	237	2000208	69.362	ng	99
43) 2,4,6-Trichlorophenol	12.916	196	1275451	45.930	ng	99

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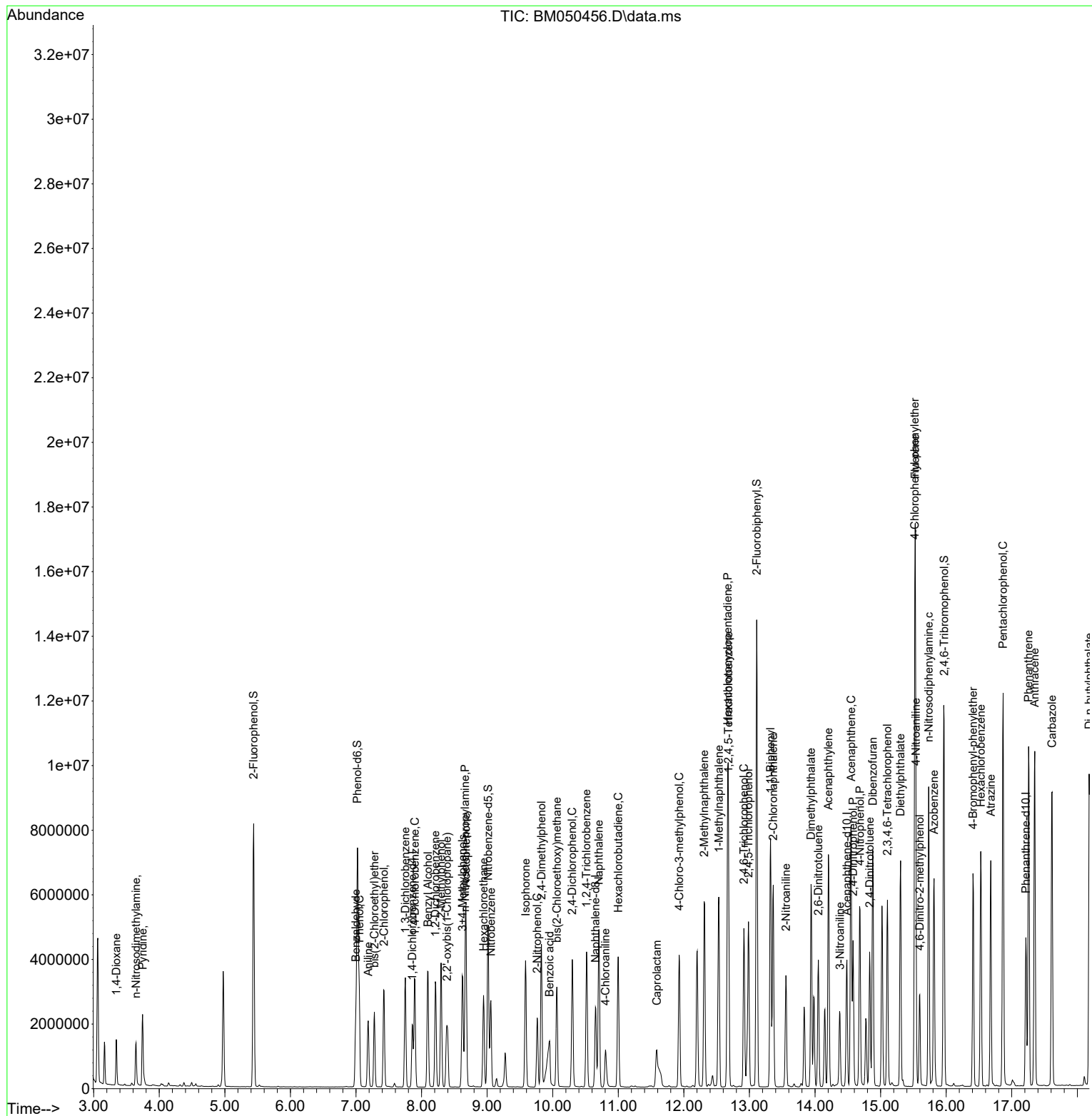
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.986	196	1417129	46.728	ng	96
46) 1,1'-Biphenyl	13.322	154	4208779	39.988	ng	100
47) 2-Chloronaphthalene	13.363	162	3315084	39.504	ng	98
48) 2-Nitroaniline	13.557	65	881762	47.074	ng	95
49) Acenaphthylene	14.204	152	5226313	41.209	ng	99
50) Dimethylphthalate	13.939	163	4217003	43.177	ng	100
51) 2,6-Dinitrotoluene	14.051	165	882615	47.066	ng	95
52) Acenaphthene	14.551	154	3272271m	40.584	ng	
53) 3-Nitroaniline	14.380	138	609247	30.549	ng	97
54) 2,4-Dinitrophenol	14.580	184	976116	93.183	ng	# 82
55) Dibenzofuran	14.880	168	5065232	40.771	ng	100
56) 4-Nitrophenol	14.686	139	1537363	89.640	ng	89
57) 2,4-Dinitrotoluene	14.833	165	1256724	44.950	ng	96
58) Fluorene	15.527	166	4299538	42.017	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.104	232	1212432	47.492	ng	95
60) Diethylphthalate	15.304	149	4020100	43.090	ng	99
61) 4-Chlorophenyl-phenyle...	15.521	204	2271348	42.449	ng	98
62) 4-Nitroaniline	15.539	138	923554	40.697	ng	99
63) Azobenzene	15.815	77	3552158	41.464	ng	96
65) 4,6-Dinitro-2-methylph...	15.598	198	679673	45.411	ng	87
66) n-Nitrosodiphenylamine	15.733	169	3676660	41.849	ng	100
67) 4-Bromophenyl-phenylether	16.410	248	1373284	44.394	ng	99
68) Hexachlorobenzene	16.527	284	1604008	43.903	ng	96
69) Atrazine	16.680	200	1310346	45.421	ng	100
70) Pentachlorophenol	16.868	266	2276407	100.090	ng	99
71) Phenanthrene	17.257	178	6619627	41.666	ng	100
72) Anthracene	17.351	178	6692575	42.320	ng	100
73) Carbazole	17.615	167	6197472	43.312	ng	99
74) Di-n-butylphthalate	18.180	149	6994092	44.657	ng	100
75) Fluoranthene	19.262	202	7801051	45.168	ng	99
77) Benzidine	19.439	184	1171840	15.203	ng	99
78) Pyrene	19.627	202	8165660	42.192	ng	100
80) Butylbenzylphthalate	20.521	149	3193473	50.043	ng	97
81) Benzo(a)anthracene	21.421	228	8507761	43.209	ng	100
82) 3,3'-Dichlorobenzidine	21.339	252	2069707	31.170	ng	100
83) Chrysene	21.486	228	7958393	42.852	ng	100
84) Bis(2-ethylhexyl)phtha...	21.350	149	4751750	46.905	ng	97
85) Di-n-octyl phthalate	22.491	149	8175865	51.529	ng	98
87) Indeno(1,2,3-cd)pyrene	27.897	276	10228808	44.739	ng	99
88) Benzo(b)fluoranthene	23.509	252	8609026	43.524	ng	100
89) Benzo(k)fluoranthene	23.574	252	8467463	41.256	ng	100
90) Benzo(a)pyrene	24.327	252	8088464	43.684	ng	99
91) Dibenzo(a,h)anthracene	27.956	278	8517741	44.237	ng	99
92) Benzo(g,h,i)perylene	28.968	276	8107902	44.553	ng	99

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

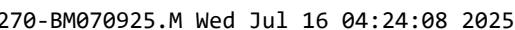
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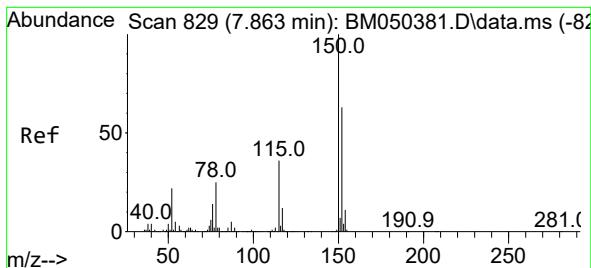
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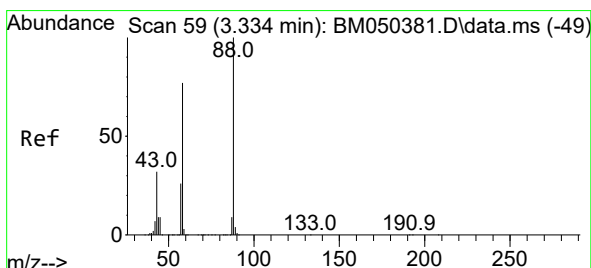
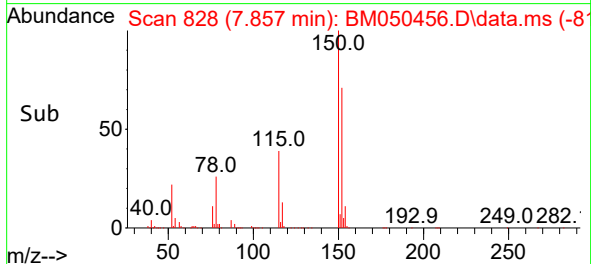
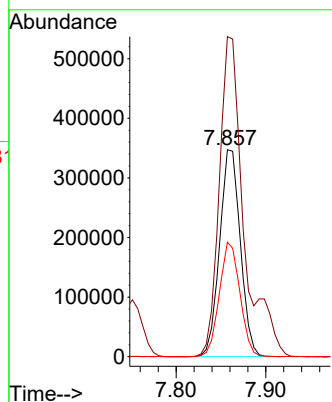
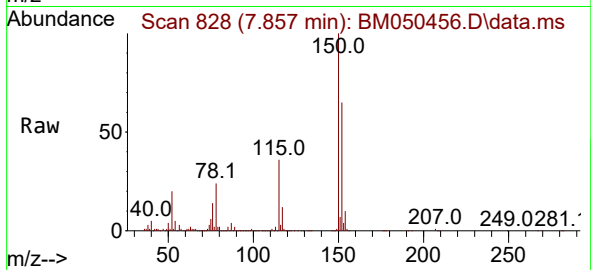




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.857 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BM050456.D
 Acq: 15 Jul 2025 15:31

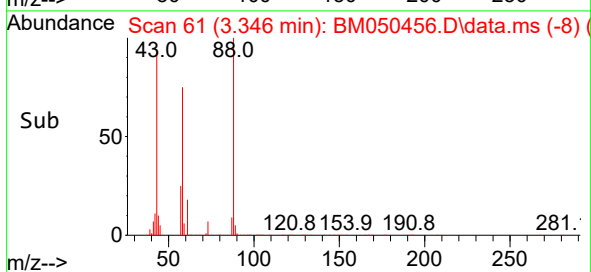
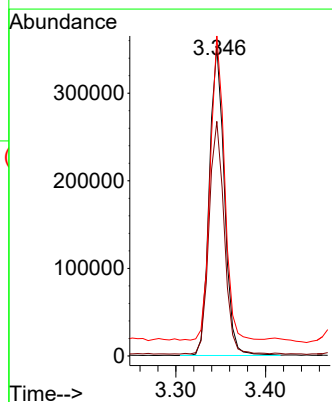
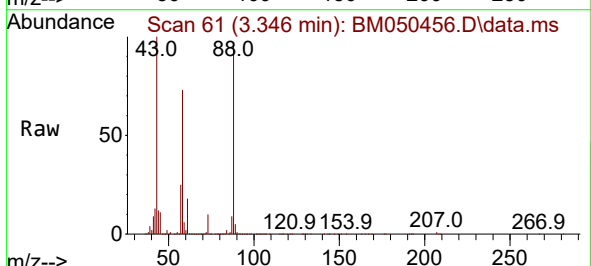
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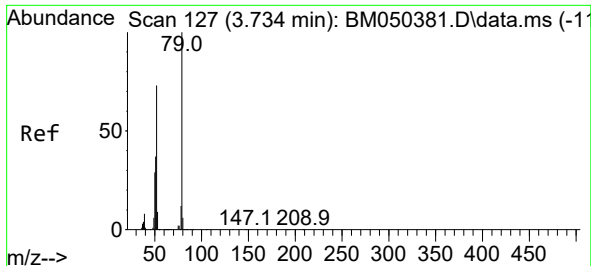
Tgt Ion:152 Resp: 557347
 Ion Ratio Lower Upper
 152 100
 150 154.6 126.2 189.4
 115 55.3 45.8 68.8



#2
 1,4-Dioxane
 Concen: 30.710 ng
 RT: 3.346 min Scan# 61
 Delta R.T. 0.012 min
 Lab File: BM050456.D
 Acq: 15 Jul 2025 15:31

Tgt Ion: 88 Resp: 408890
 Ion Ratio Lower Upper
 88 100
 58 75.8 61.0 91.6
 43 93.5 24.6 37.0#

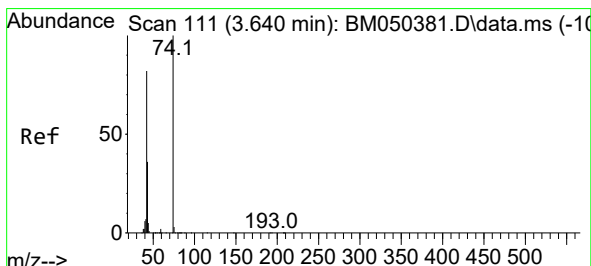
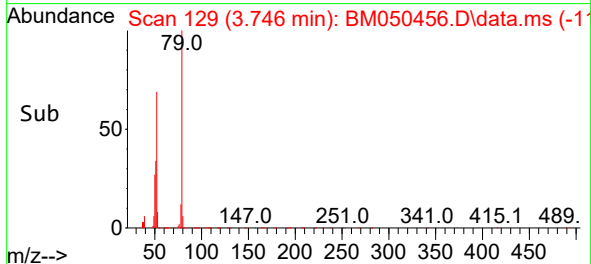
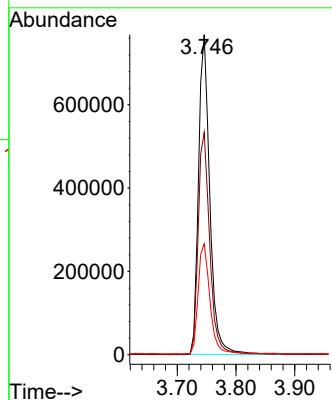
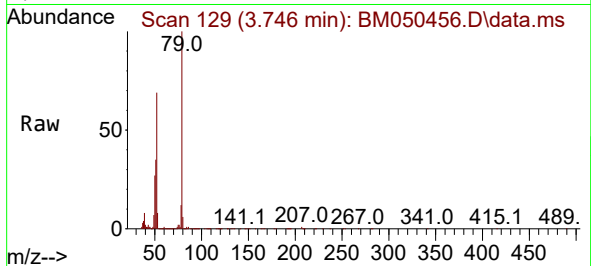




#3
Pyridine
Concen: 29.287 ng
RT: 3.746 min Scan# 11
Delta R.T. 0.012 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

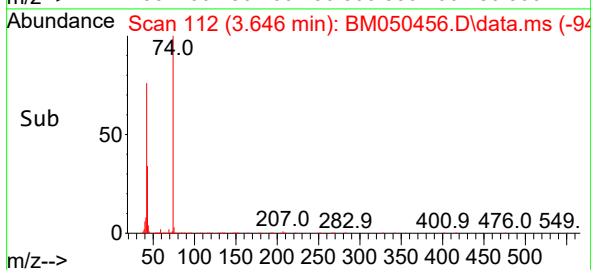
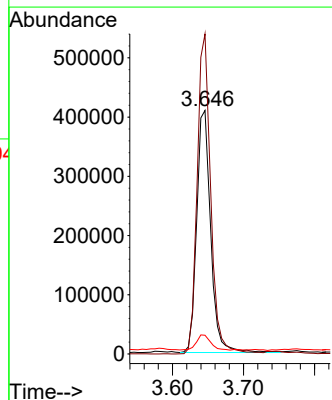
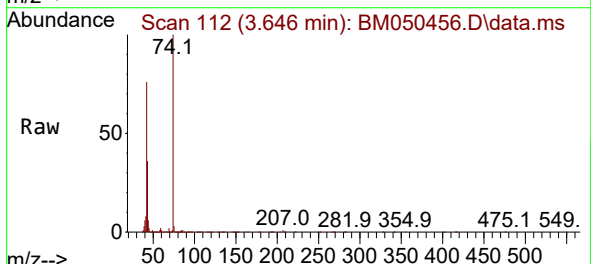
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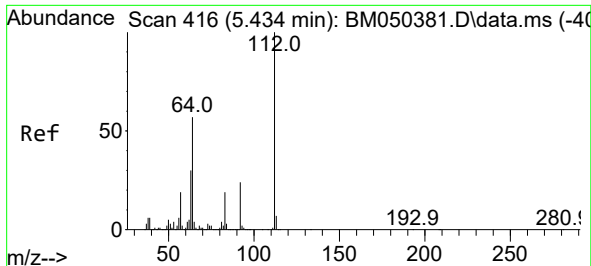
Tgt Ion: 79 Resp: 1023714
Ion Ratio Lower Upper
79 100
52 69.4 58.3 87.5
51 34.6 29.6 44.4



#4
n-Nitrosodimethylamine
Concen: 34.460 ng
RT: 3.646 min Scan# 112
Delta R.T. 0.006 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

Tgt Ion: 42 Resp: 561547
Ion Ratio Lower Upper
42 100
74 131.4 97.5 146.3
44 7.7 5.7 8.5

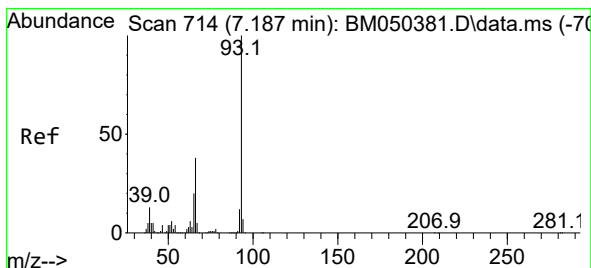
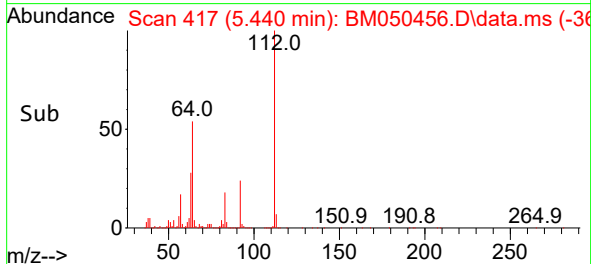
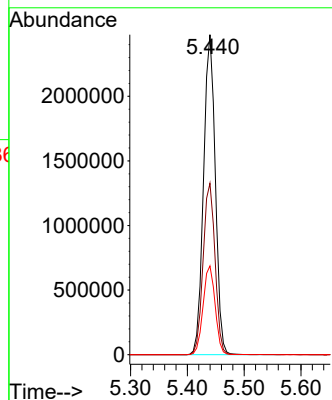
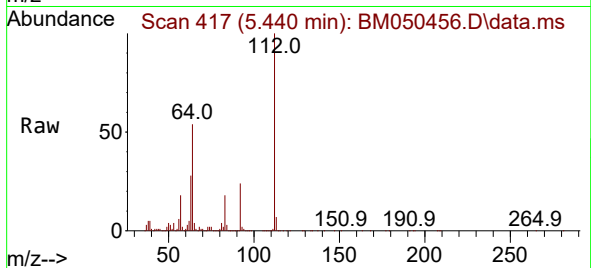




#5
2-Fluorophenol
Concen: 109.922 ng
RT: 5.440 min Scan# 416
Delta R.T. 0.006 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

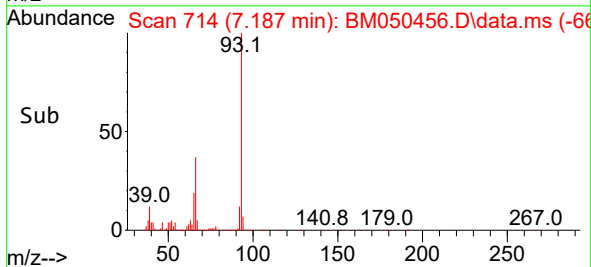
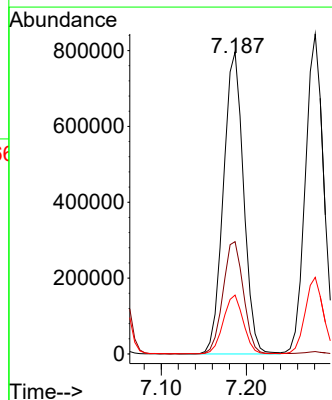
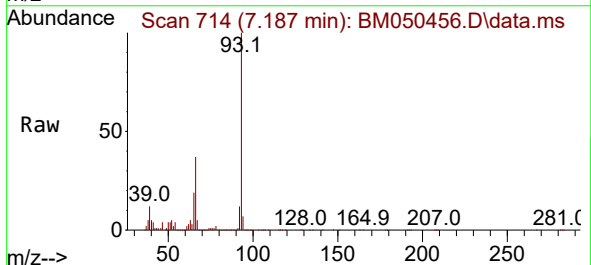
Instrument :
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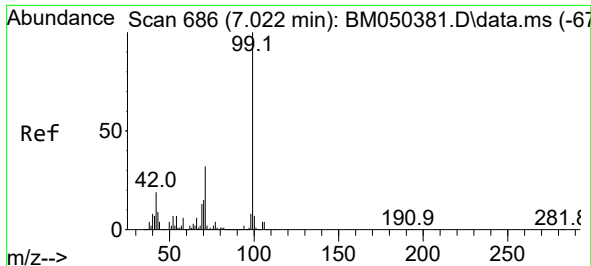
Tgt Ion:112 Resp: 3559163
Ion Ratio Lower Upper
112 100
64 53.6 45.5 68.3
63 27.7 24.2 36.4



#6
Aniline
Concen: 24.975 ng
RT: 7.187 min Scan# 714
Delta R.T. 0.000 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

Tgt Ion: 93 Resp: 1308261
Ion Ratio Lower Upper
93 100
66 37.2 30.5 45.7
65 19.5 15.9 23.9



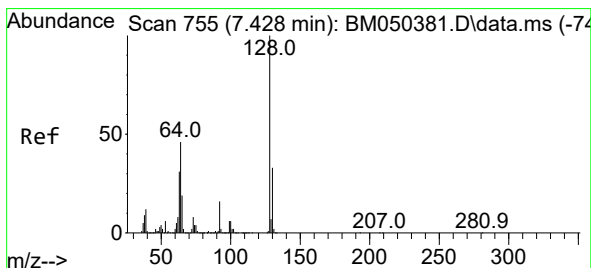
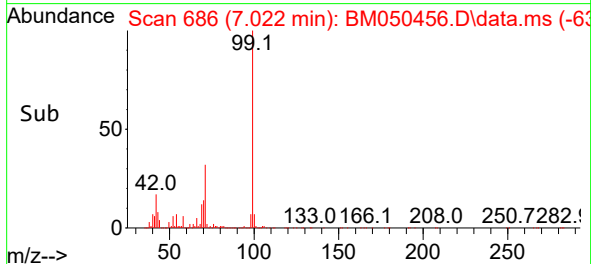
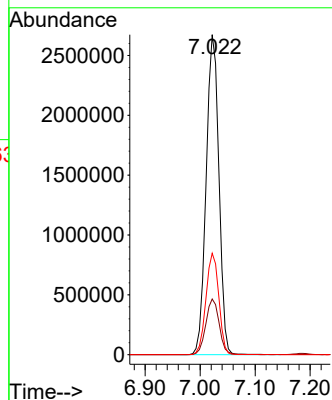
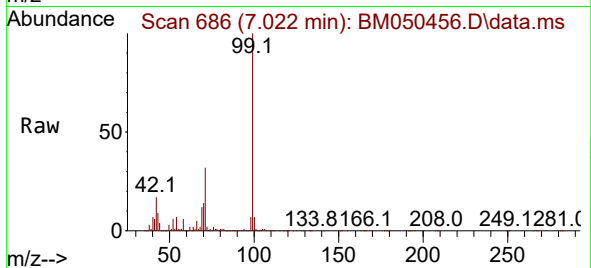


#7
Phenol-d6
Concen: 105.519 ng
RT: 7.022 min Scan# 686
Delta R.T. 0.000 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

Instrument :
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ClientSampleId :
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Tgt Ion: 99 Resp: 4307006

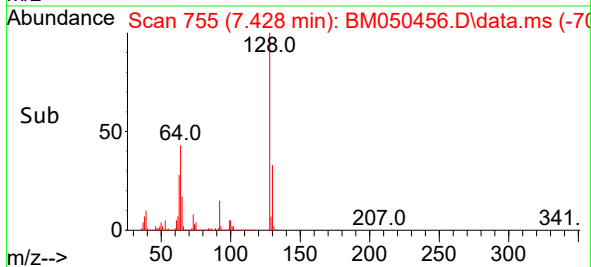
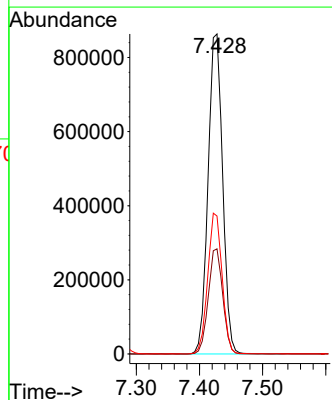
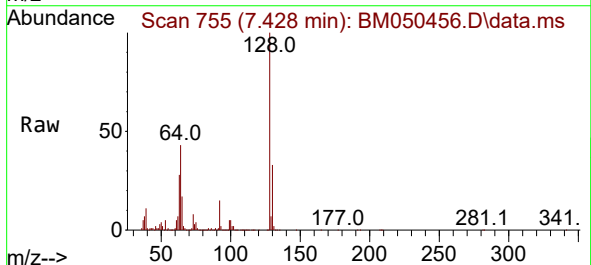
Ion	Ratio	Lower	Upper
99	100		
42	17.4	15.0	22.6
71	31.7	25.9	38.9

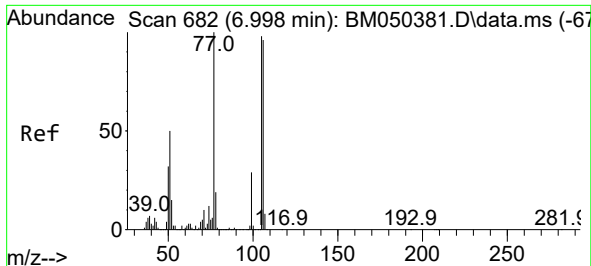


#8
2-Chlorophenol
Concen: 40.518 ng
RT: 7.428 min Scan# 755
Delta R.T. 0.000 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

Tgt Ion:128 Resp: 1383385

Ion	Ratio	Lower	Upper
128	100		
130	32.9	13.3	53.3
64	43.1	25.6	65.6

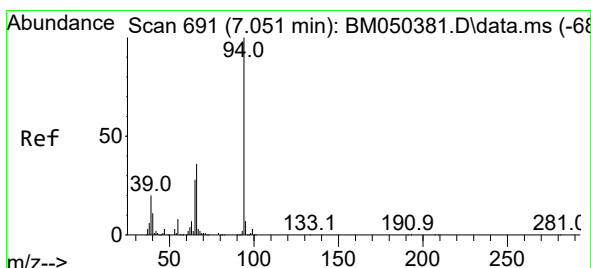
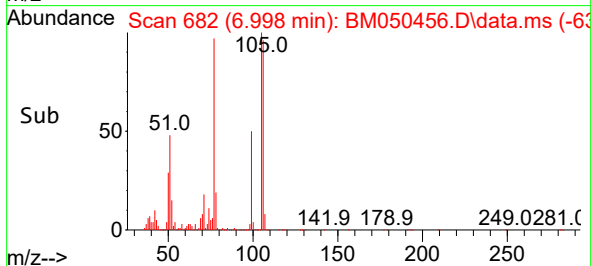
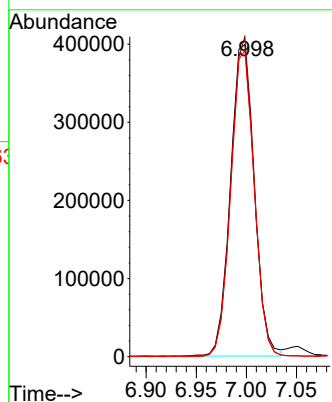
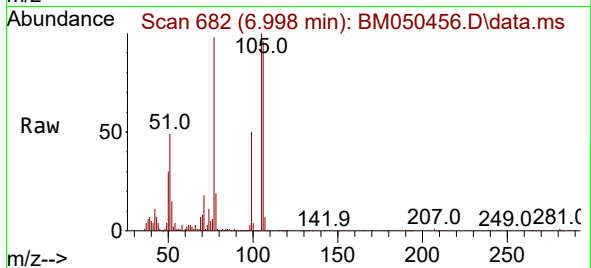




#9
Benzaldehyde
Concen: 27.094 ng
RT: 6.998 min Scan# 682
Delta R.T. 0.000 min
Lab File: BM050456.D
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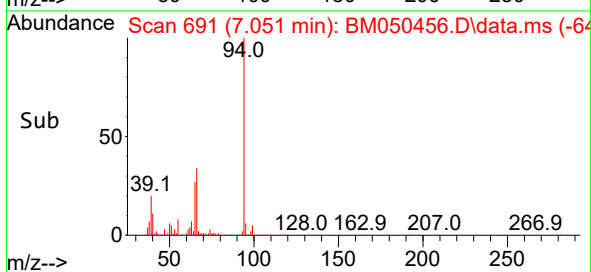
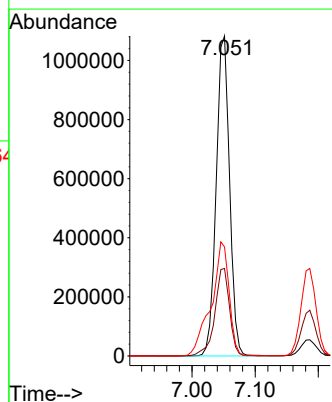
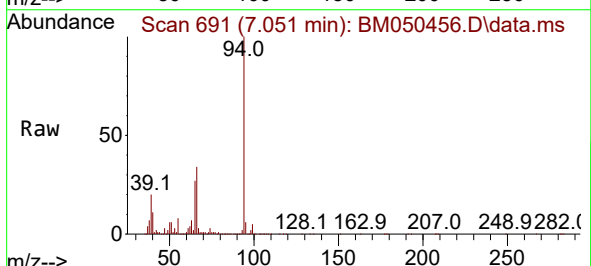
Instrument :
BNA_M
ClientSampleId :
TP-18MSD

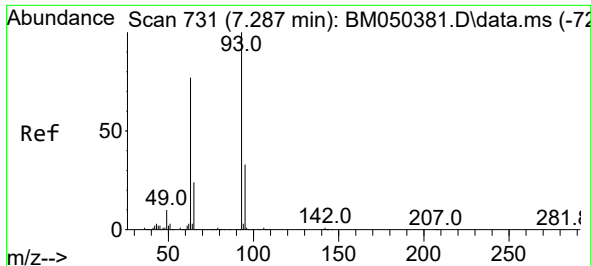
Tgt Ion: 77 Resp: 657857
Ion Ratio Lower Upper
77 100
105 102.6 78.4 118.4
106 98.2 76.3 116.3



#10
Phenol
Concen: 37.401 ng
RT: 7.051 min Scan# 691
Delta R.T. 0.000 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

Tgt Ion: 94 Resp: 1592263
Ion Ratio Lower Upper
94 100
65 27.4 8.1 48.1
66 34.1 15.8 55.8

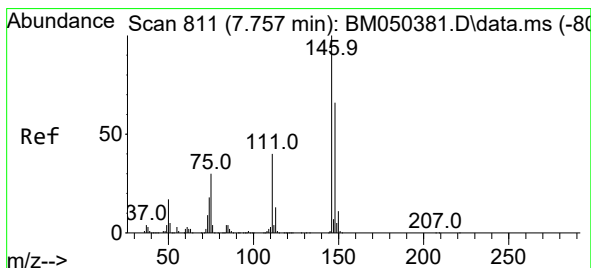
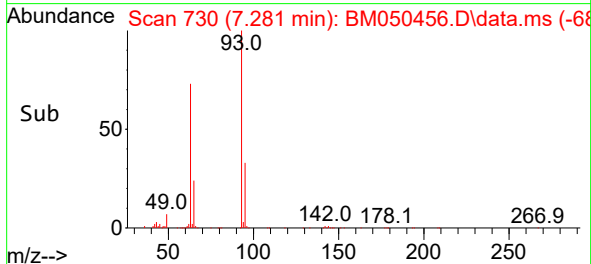
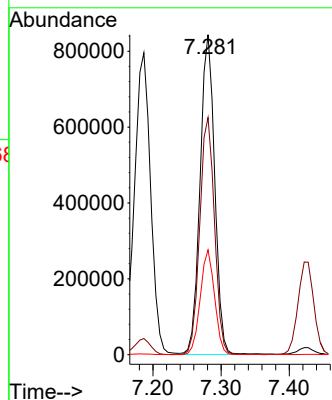
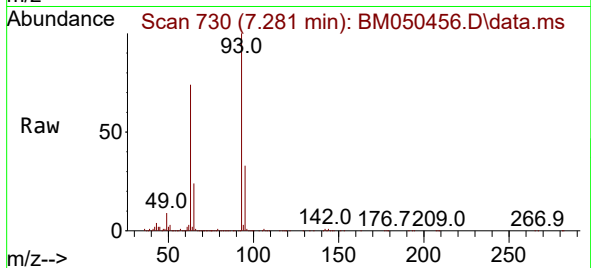




#11
bis(2-Chloroethyl)ether
Concen: 36.847 ng
RT: 7.281 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

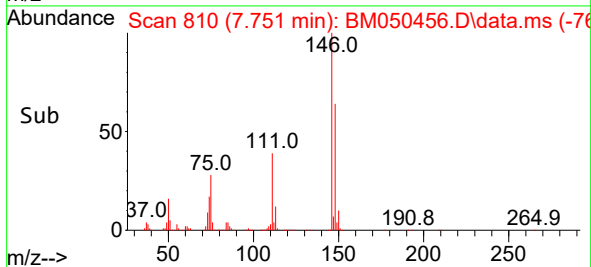
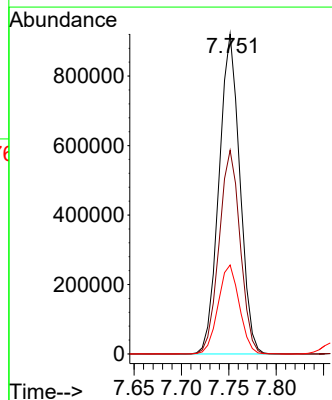
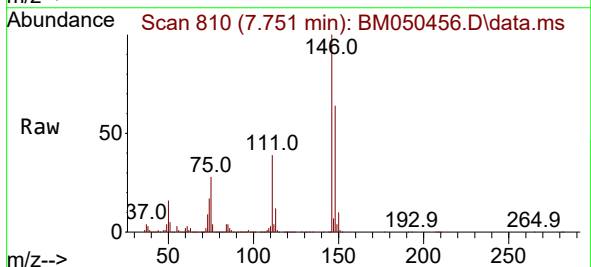
Instrument :
BNA_M
ClientSampleId :
TP-18MSD

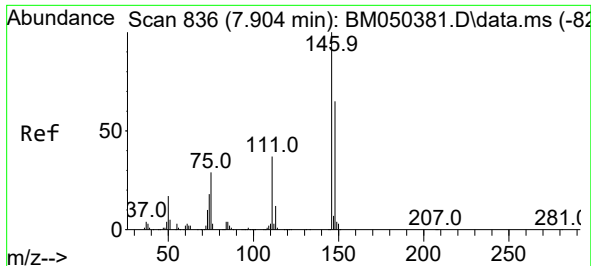
Tgt Ion: 93 Resp: 1256260
Ion Ratio Lower Upper
93 100
63 74.1 56.9 96.9
95 32.7 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 33.911 ng
RT: 7.751 min Scan# 810
Delta R.T. -0.006 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

Tgt Ion:146 Resp: 1407841
Ion Ratio Lower Upper
146 100
148 63.7 53.2 79.8
75 27.8 23.9 35.9

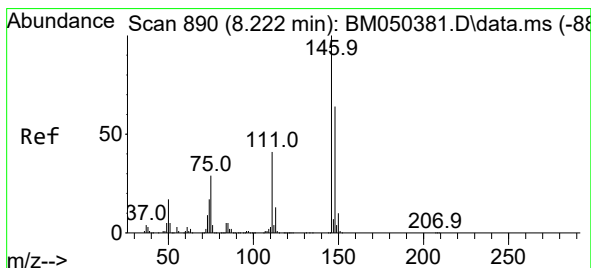
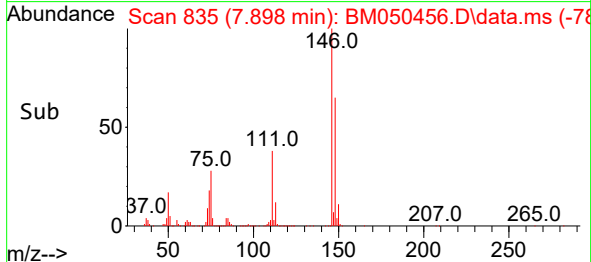
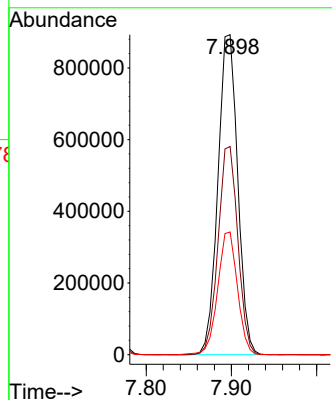
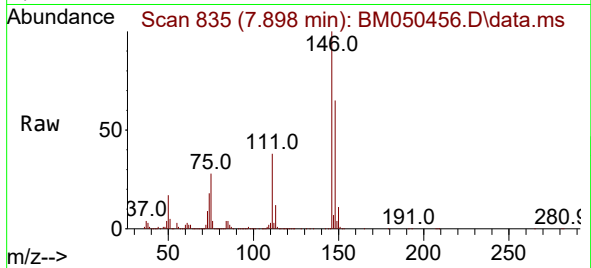




#13
1,4-Dichlorobenzene
Concen: 33.992 ng
RT: 7.898 min Scan# 811
Delta R.T. -0.006 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

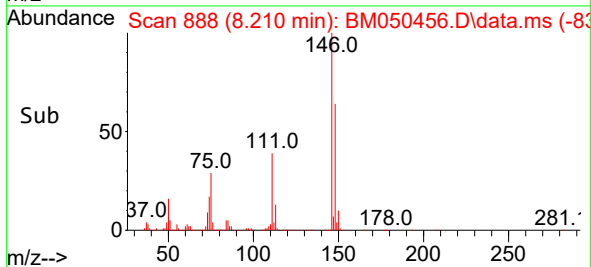
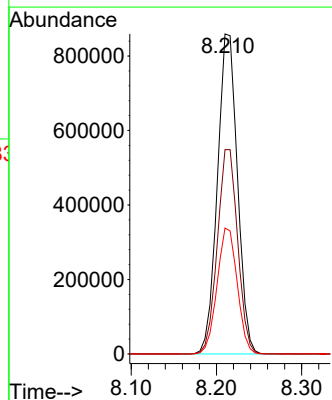
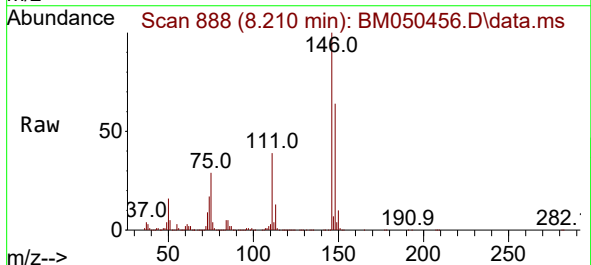
Instrument :
BNA_M
ClientSampleId :
TP-18MSD

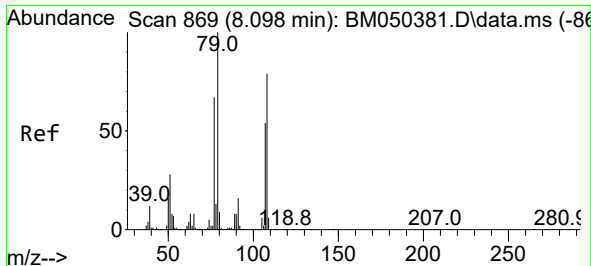
Tgt Ion:146 Resp: 1440954
Ion Ratio Lower Upper
146 100
148 65.0 51.9 77.9
111 38.3 30.0 45.0



#14
1,2-Dichlorobenzene
Concen: 34.662 ng
RT: 8.210 min Scan# 888
Delta R.T. -0.012 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

Tgt Ion:146 Resp: 1406719
Ion Ratio Lower Upper
146 100
148 63.9 51.5 77.3
111 39.3 32.6 49.0

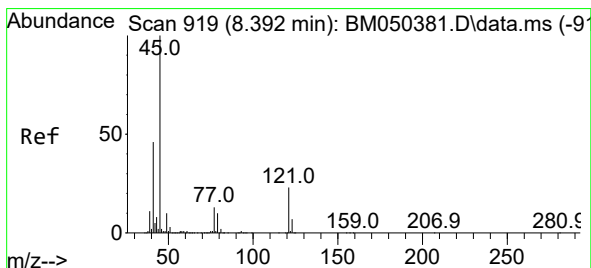
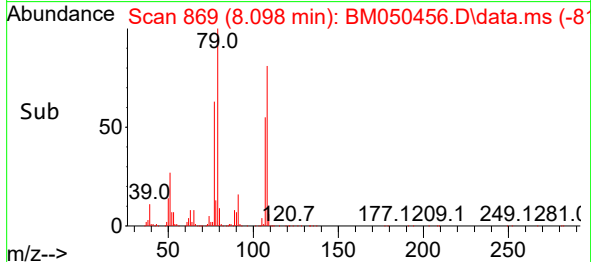
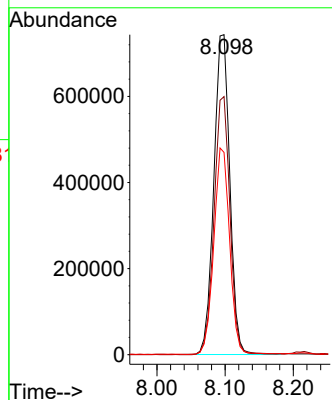
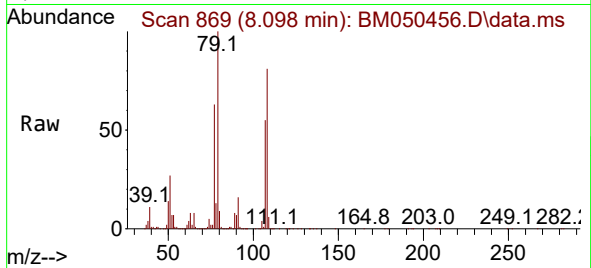




#15
Benzyl Alcohol
Concen: 42.186 ng
RT: 8.098 min Scan# 869
Delta R.T. 0.000 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

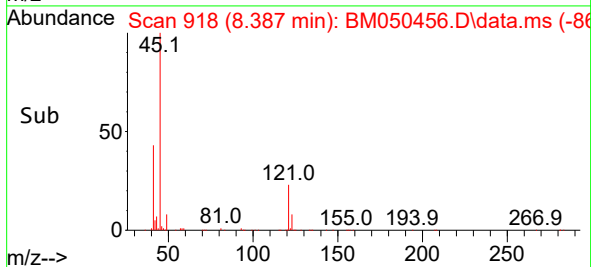
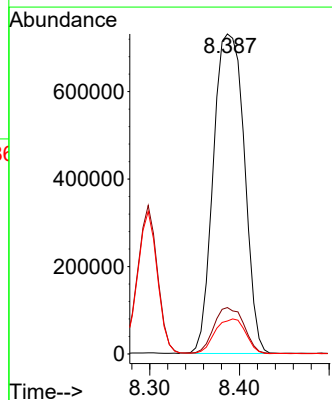
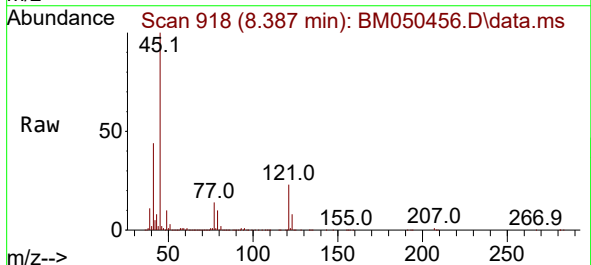
Instrument :
BNA_M
ClientSampleId :
TP-18MSD

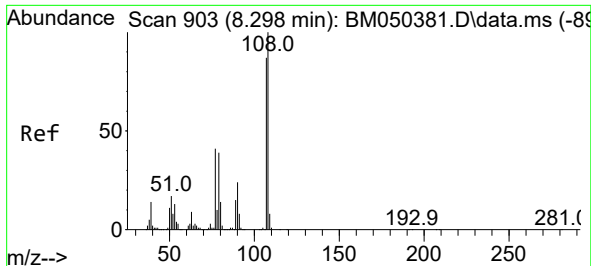
Tgt Ion: 79 Resp: 1213252
Ion Ratio Lower Upper
79 100
108 80.6 63.0 94.4
77 63.2 53.4 80.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 34.805 ng
RT: 8.387 min Scan# 918
Delta R.T. -0.006 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

Tgt Ion: 45 Resp: 1747927
Ion Ratio Lower Upper
45 100
77 14.5 0.0 33.5
79 10.3 0.0 30.3

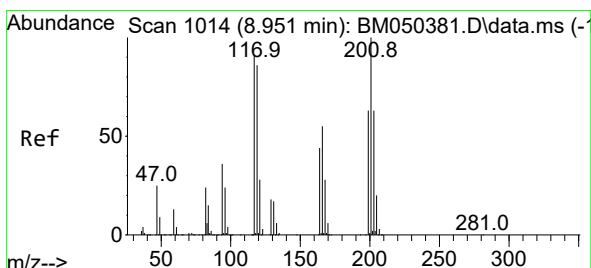
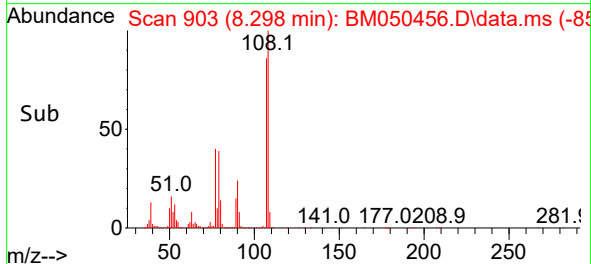
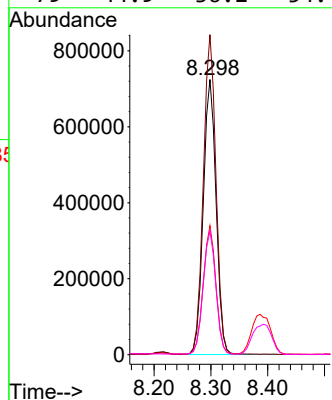
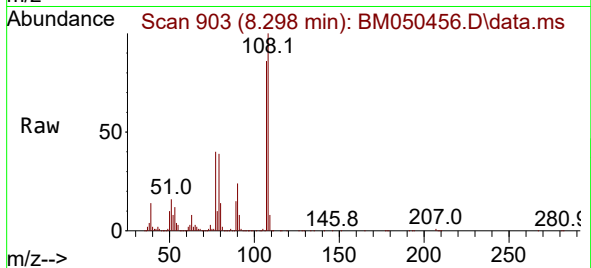




#17
2-Methylphenol
Concen: 40.887 ng
RT: 8.298 min Scan# 903
Delta R.T. 0.000 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

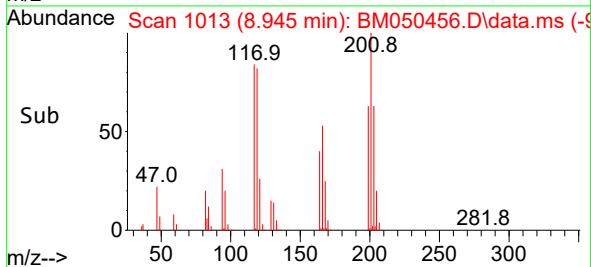
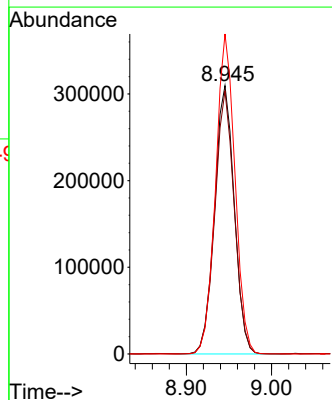
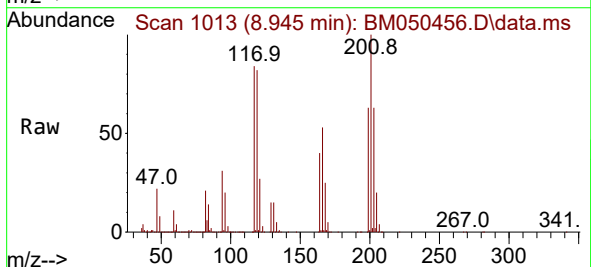
Instrument :
BNA_M
ClientSampleId :
TP-18MSD

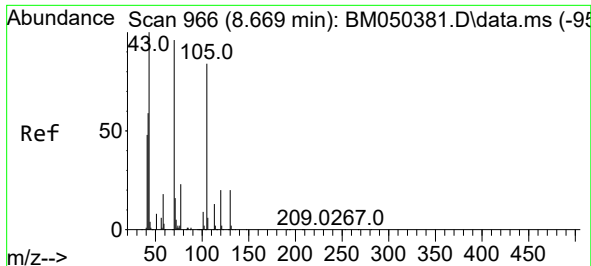
Tgt Ion:107 Resp: 1128963
Ion Ratio Lower Upper
107 100
108 116.2 92.1 138.1
77 46.8 38.2 57.4
79 44.9 36.2 54.4



#18
Hexachloroethane
Concen: 33.444 ng
RT: 8.945 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

Tgt Ion:117 Resp: 498600
Ion Ratio Lower Upper
117 100
119 98.0 75.6 113.4
201 119.2 87.9 131.9

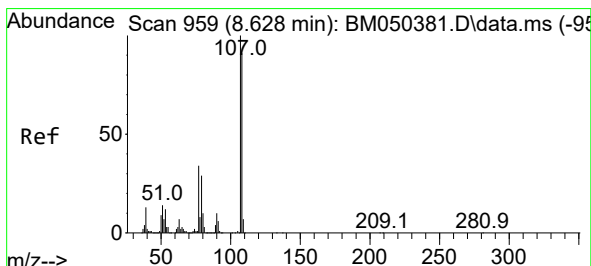
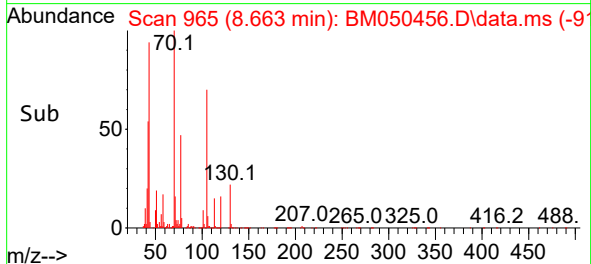
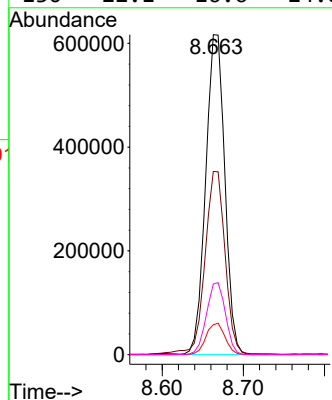
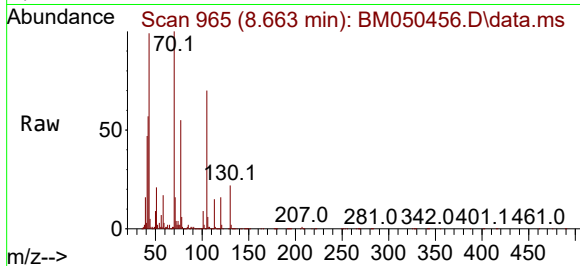




#19
n-Nitroso-di-n-propylamine
Concen: 40.735 ng
RT: 8.663 min Scan# 90
Delta R.T. -0.006 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

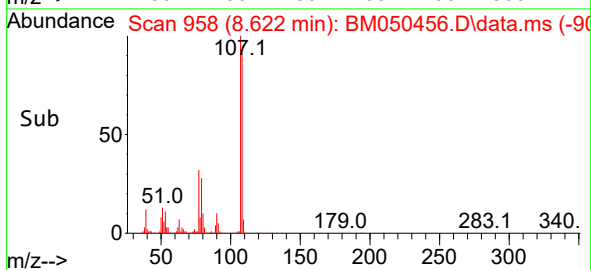
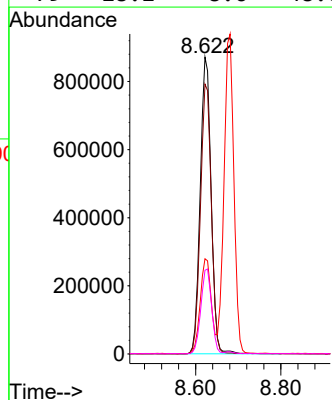
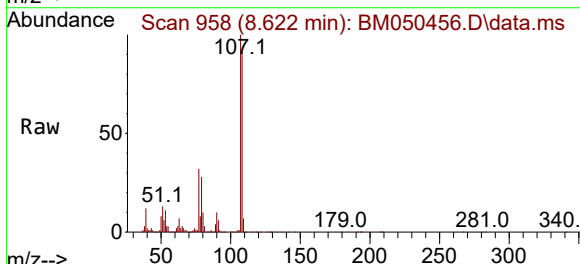
Instrument :
BNA_M
ClientSampleId :
TP-18MSD

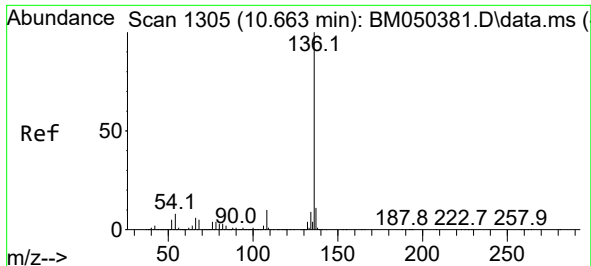
Tgt Ion: 70 Resp: 1007245
Ion Ratio Lower Upper
70 100
42 57.2 49.7 74.5
101 9.4 7.7 11.5
130 22.1 16.6 24.8



#20
3+4-Methylphenols
Concen: 41.779 ng
RT: 8.622 min Scan# 958
Delta R.T. -0.006 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

Tgt Ion: 107 Resp: 1548647
Ion Ratio Lower Upper
107 100
108 90.9 71.5 111.5
77 32.1 13.7 53.7
79 28.2 8.6 48.6

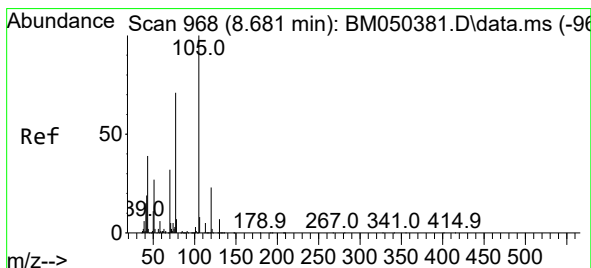
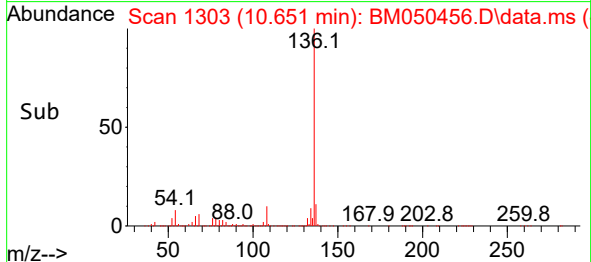
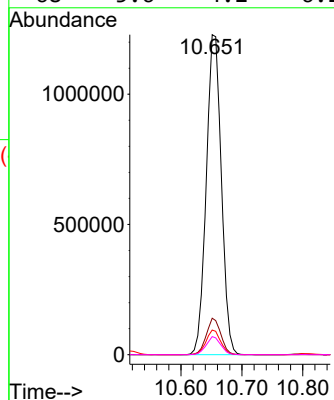
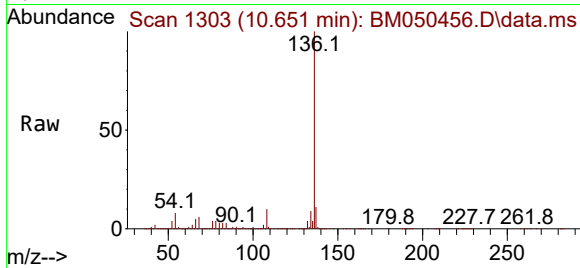




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.651 min Scan# 1303
Delta R.T. -0.012 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

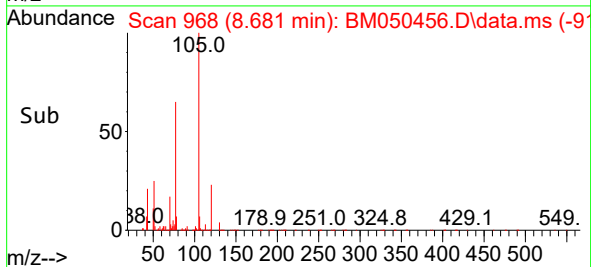
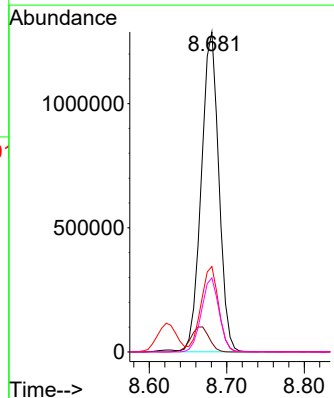
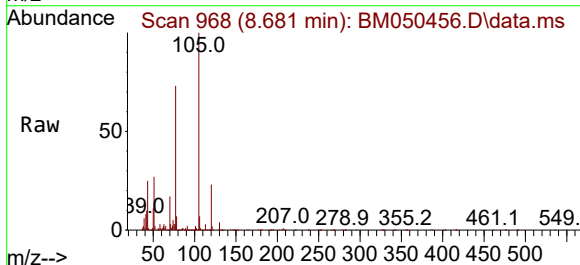
Instrument :
BNA_M
ClientSampleId :
TP-18MSD

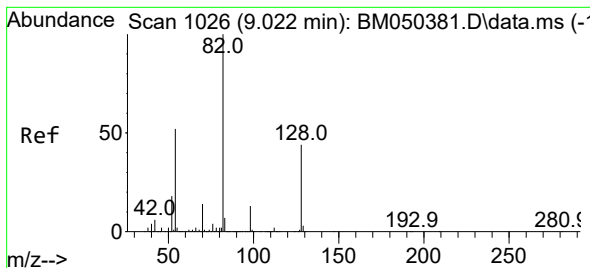
Tgt Ion:136 Resp: 2114221
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 7.7 6.3 9.5
68 5.6 4.2 6.2



#22
Acetophenone
Concen: 38.113 ng
RT: 8.681 min Scan# 968
Delta R.T. 0.000 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

Tgt Ion:105 Resp: 2014688
Ion Ratio Lower Upper
105 100
71 2.9 4.4 6.6#
51 26.7 23.0 34.6
120 23.2 18.3 27.5

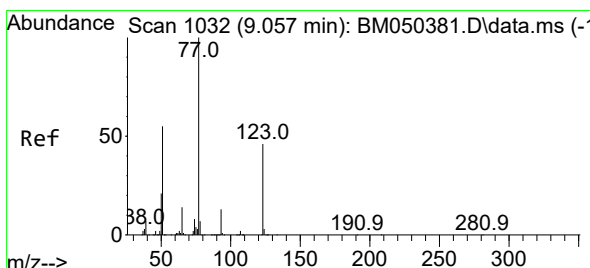
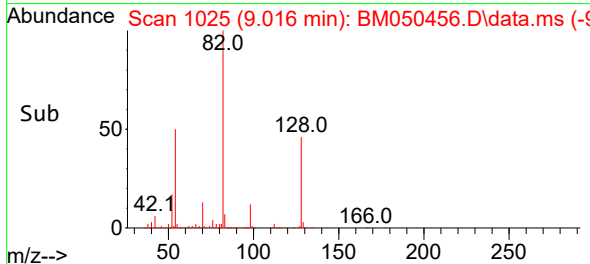
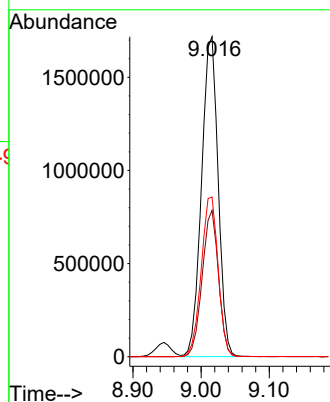
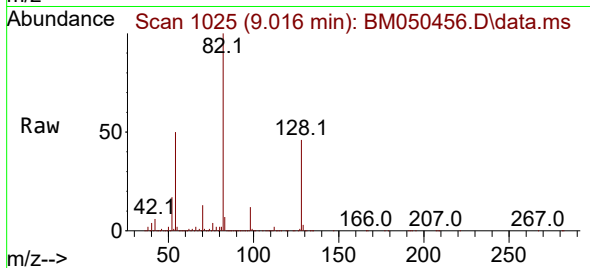




#23
Nitrobenzene-d5
Concen: 70.142 ng
RT: 9.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

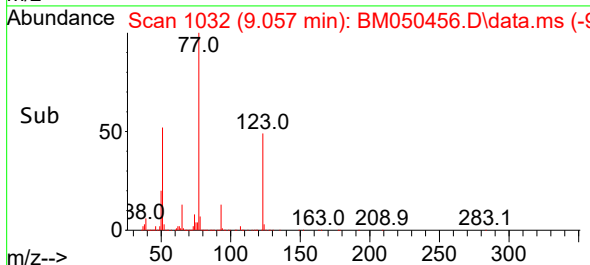
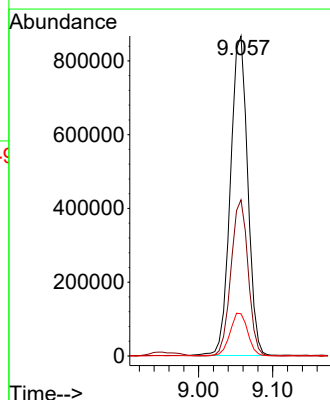
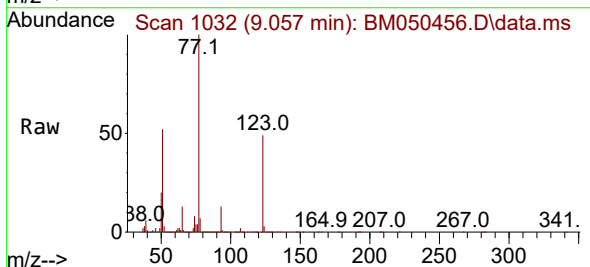
Instrument :
BNA_M
ClientSampleId :
TP-18MSD

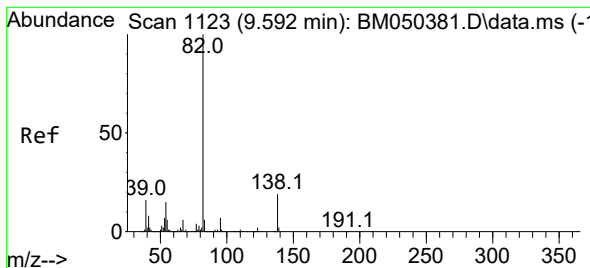
Tgt Ion: 82 Resp: 2906747
Ion Ratio Lower Upper
82 100
128 45.7 35.2 52.8
54 49.9 41.5 62.3



#24
Nitrobenzene
Concen: 37.942 ng
RT: 9.057 min Scan# 1032
Delta R.T. 0.000 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

Tgt Ion: 77 Resp: 1403081
Ion Ratio Lower Upper
77 100
123 48.8 37.0 55.6
65 13.2 11.0 16.4





#25

Isophorone

Concen: 41.407 ng

RT: 9.586 min Scan# 1122

Delta R.T. -0.006 min

Lab File: BM050456.D

Acq: 15 Jul 2025 15:31

Instrument :

BNA_M

ClientSampleId :

TP-18MSD

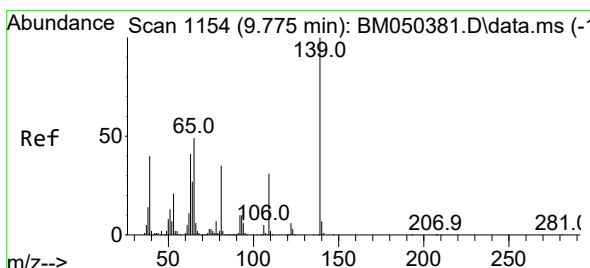
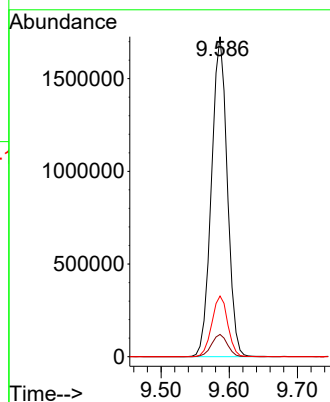
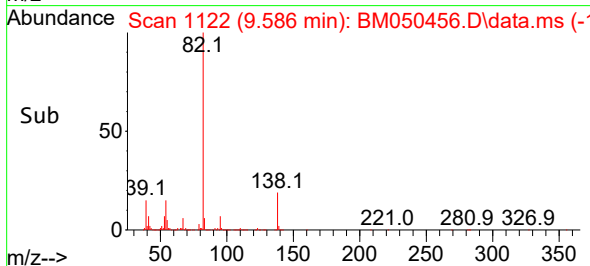
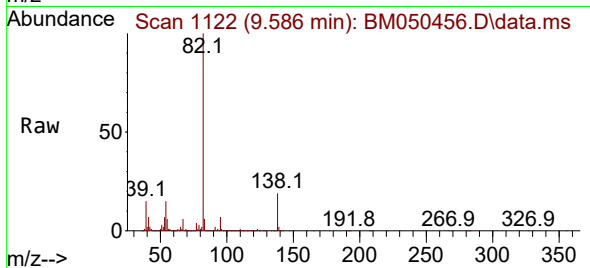
Tgt Ion: 82 Resp: 2784403

Ion Ratio Lower Upper

82 100

95 7.0 5.6 8.4

138 19.0 15.3 22.9



#26

2-Nitrophenol

Concen: 46.912 ng

RT: 9.763 min Scan# 1152

Delta R.T. -0.012 min

Lab File: BM050456.D

Acq: 15 Jul 2025 15:31

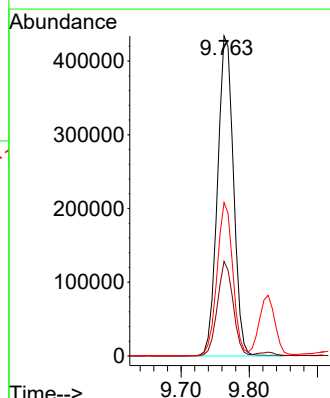
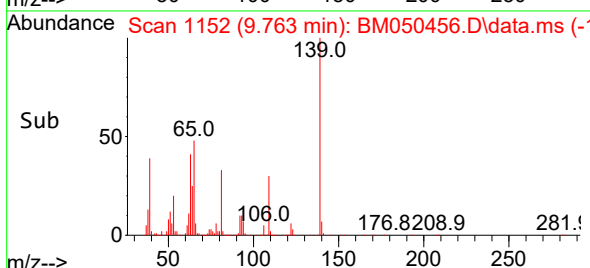
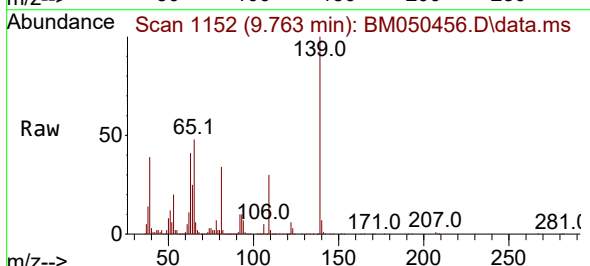
Tgt Ion: 139 Resp: 707026

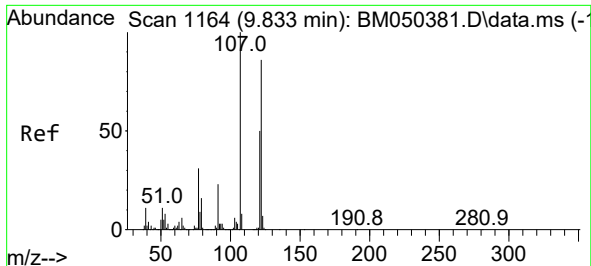
Ion Ratio Lower Upper

139 100

109 29.6 24.6 36.8

65 48.0 39.2 58.8

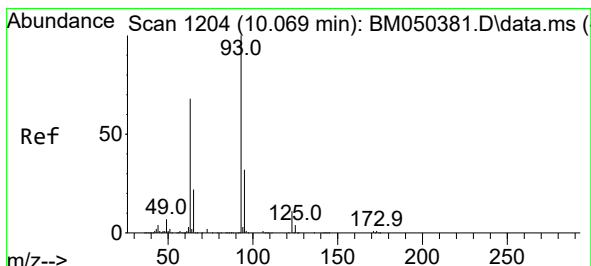
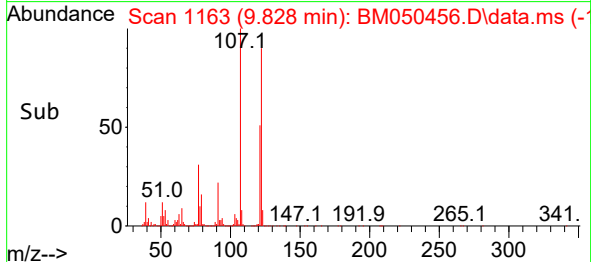
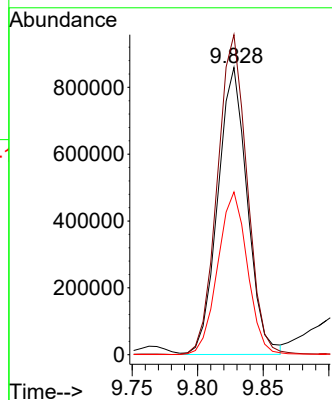
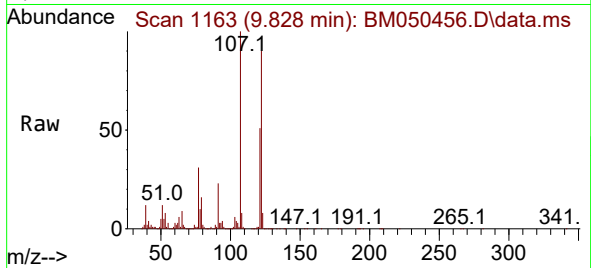




#27
2,4-Dimethylphenol
Concen: 41.907 ng
RT: 9.828 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

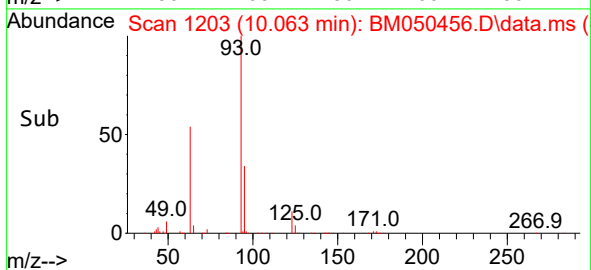
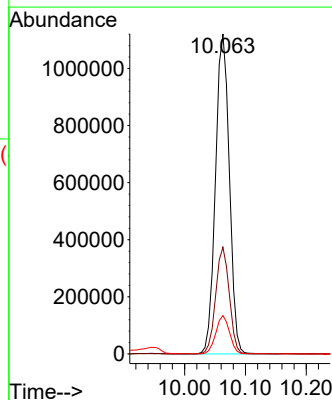
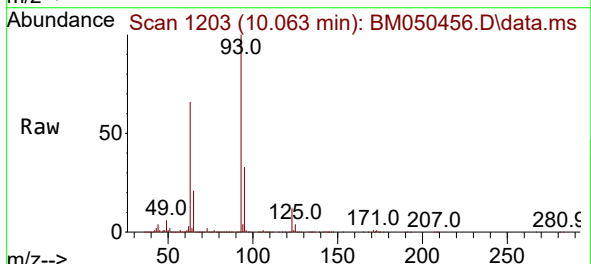
Instrument :
BNA_M
ClientSampleId :
TP-18MSD

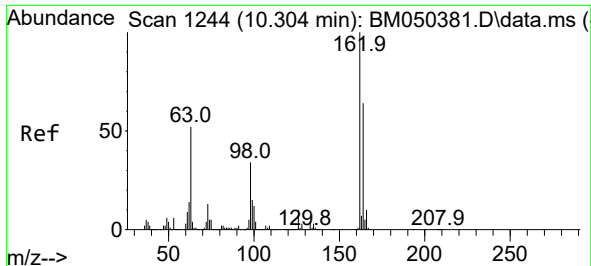
Tgt Ion:122 Resp: 1343994
Ion Ratio Lower Upper
122 100
107 111.4 93.0 139.6
121 56.7 46.1 69.1



#28
bis(2-Chloroethoxy)methane
Concen: 39.720 ng
RT: 10.063 min Scan# 1203
Delta R.T. -0.006 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

Tgt Ion: 93 Resp: 1769875
Ion Ratio Lower Upper
93 100
95 33.3 25.8 38.6
123 12.0 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 44.533 ng

RT: 10.298 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM050456.D

Acq: 15 Jul 2025 15:31

Instrument :

BNA_M

ClientSampleId :

TP-18MSD

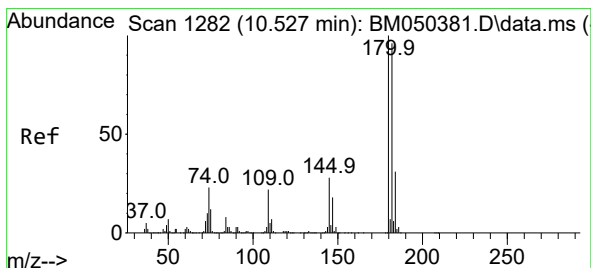
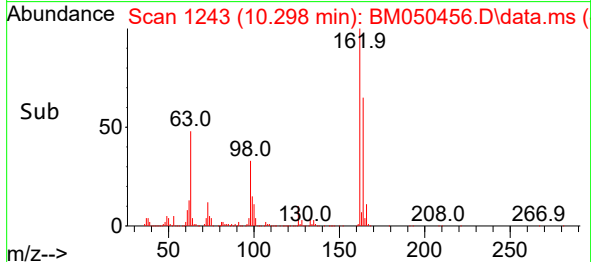
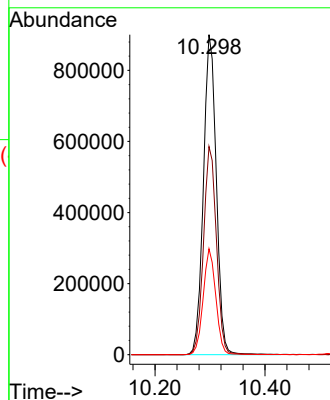
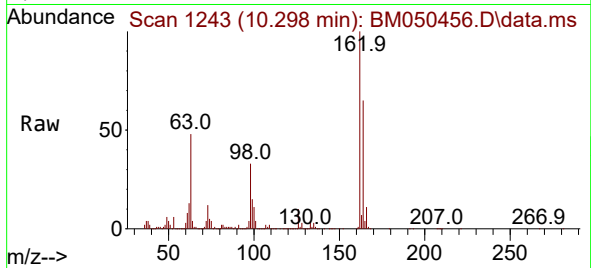
Tgt Ion:162 Resp: 1467263

Ion Ratio Lower Upper

162 100

164 65.1 43.7 83.7

98 33.1 13.7 53.7



#30

1,2,4-Trichlorobenzene

Concen: 37.703 ng

RT: 10.516 min Scan# 1280

Delta R.T. -0.012 min

Lab File: BM050456.D

Acq: 15 Jul 2025 15:31

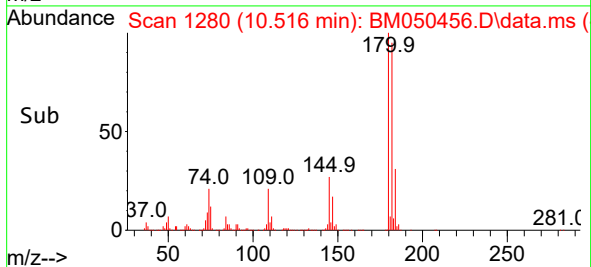
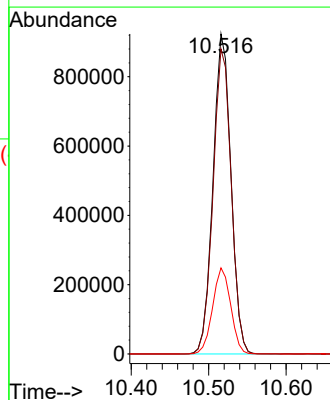
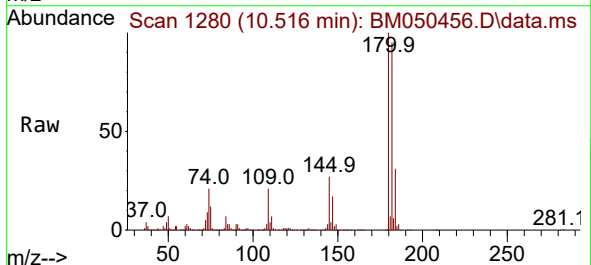
Tgt Ion:180 Resp: 1486053

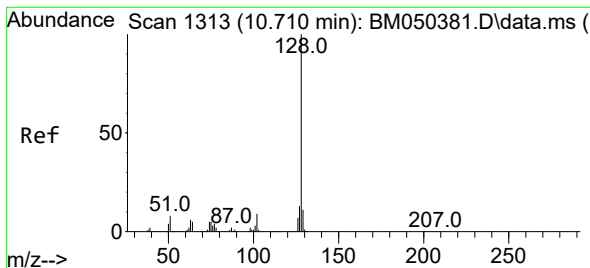
Ion Ratio Lower Upper

180 100

182 95.3 76.8 115.2

145 26.9 22.6 33.8

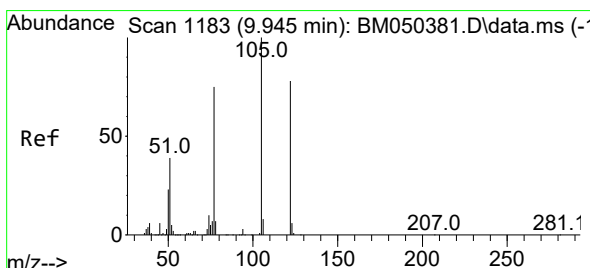
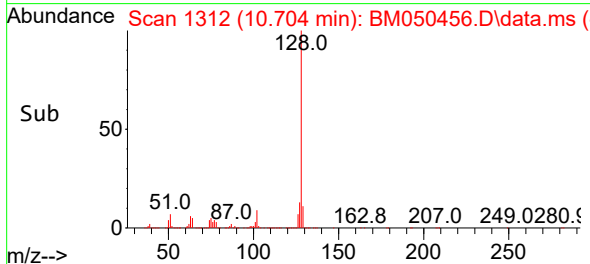
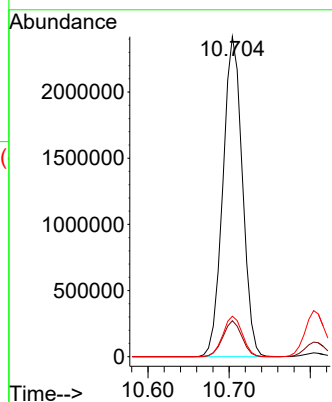
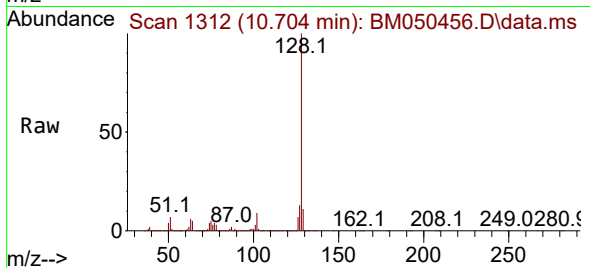




#31
Naphthalene
Concen: 37.542 ng
RT: 10.704 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

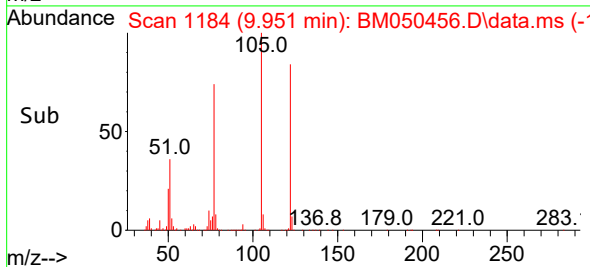
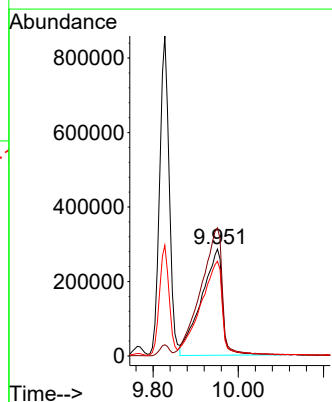
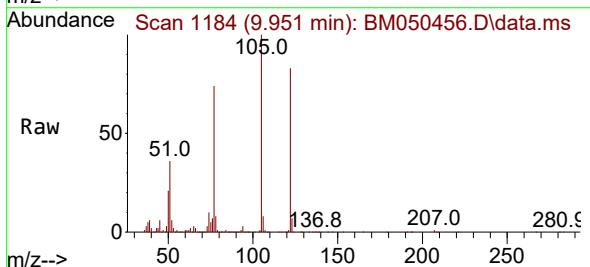
Instrument :
BNA_M
ClientSampleId :
TP-18MSD

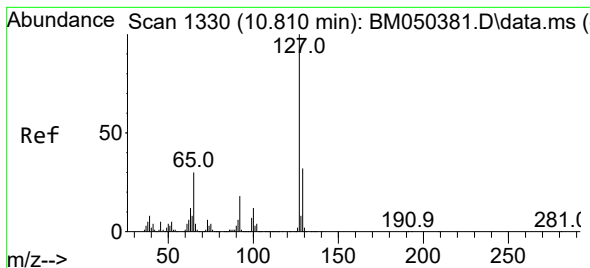
Tgt Ion:128 Resp: 4031573
Ion Ratio Lower Upper
128 100
129 11.2 8.8 13.2
127 12.7 10.4 15.6



#32
Benzoic acid
Concen: 49.798 ng
RT: 9.951 min Scan# 1184
Delta R.T. 0.006 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

Tgt Ion:122 Resp: 985318
Ion Ratio Lower Upper
122 100
105 119.8 104.0 144.0
77 88.6 73.8 113.8

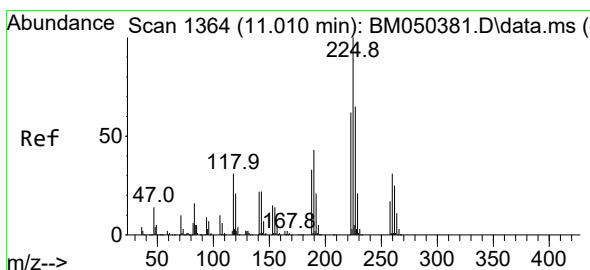
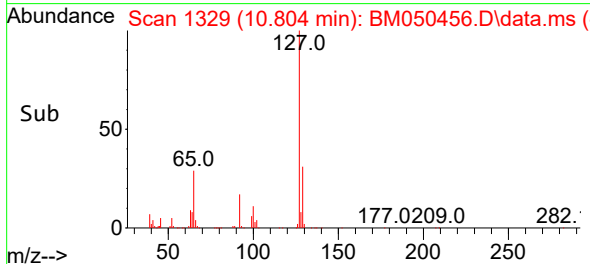
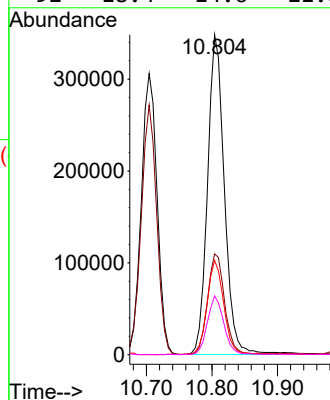
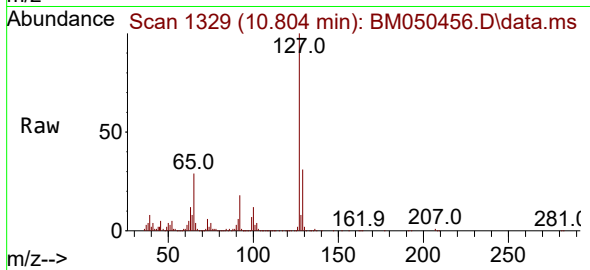




#33
4-Chloroaniline
Concen: 13.679 ng
RT: 10.804 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

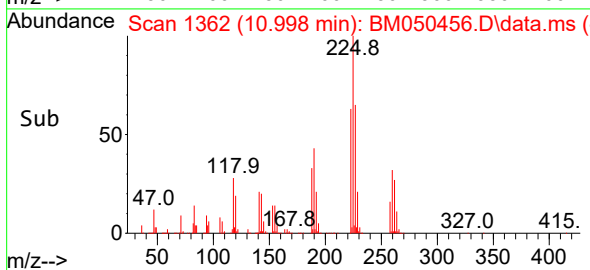
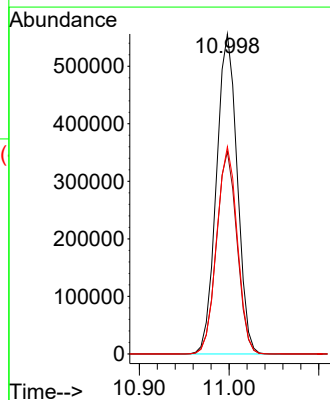
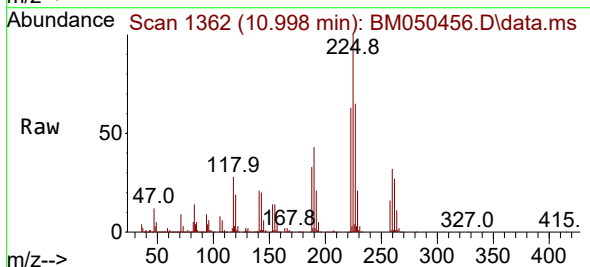
Instrument :
BNA_M
ClientSampleId :
TP-18MSD

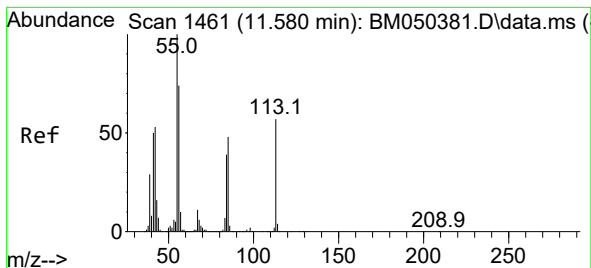
Tgt Ion:	127	Resp:	621015
Ion	Ratio	Lower	Upper
127	100		
129	31.5	25.5	38.3
65	29.5	23.9	35.9
92	18.4	14.6	21.8



#34
Hexachlorobutadiene
Concen: 37.098 ng
RT: 10.998 min Scan# 1362
Delta R.T. -0.012 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

Tgt Ion:	225	Resp:	892438
Ion	Ratio	Lower	Upper
225	100		
223	63.3	49.7	74.5
227	64.7	52.1	78.1

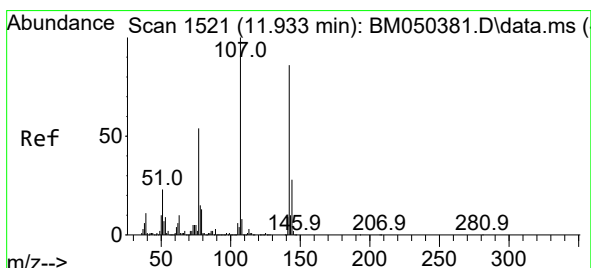
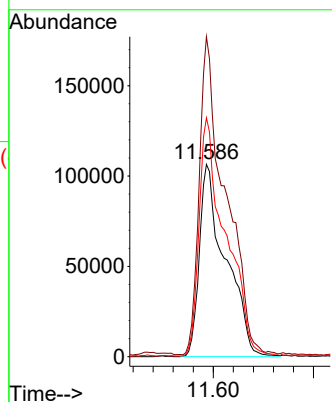
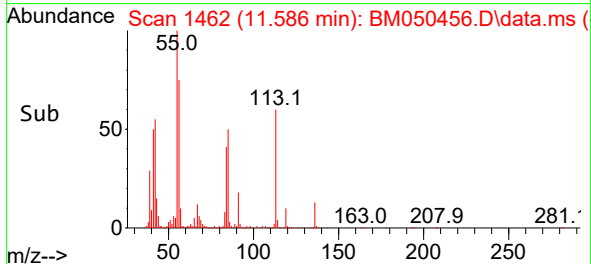
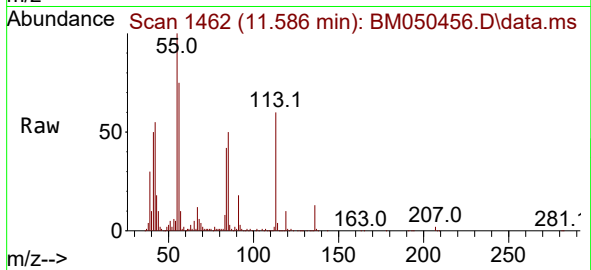




#35
Caprolactam
Concen: 42.807 ng
RT: 11.586 min Scan# 1461
Delta R.T. 0.006 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

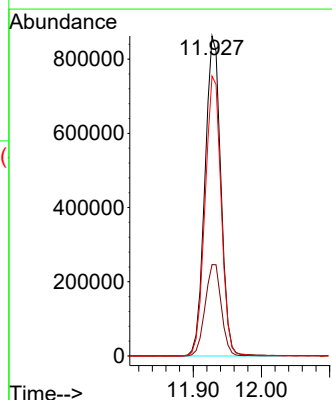
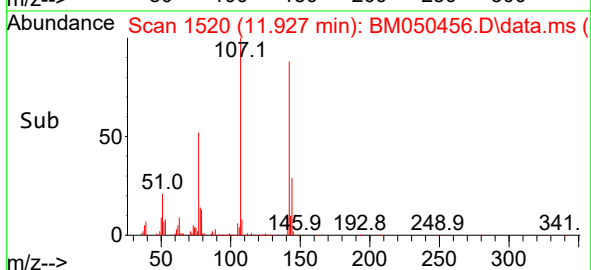
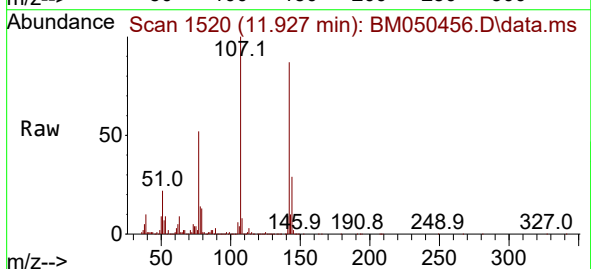
Instrument :
BNA_M
ClientSampleId :
TP-18MSD

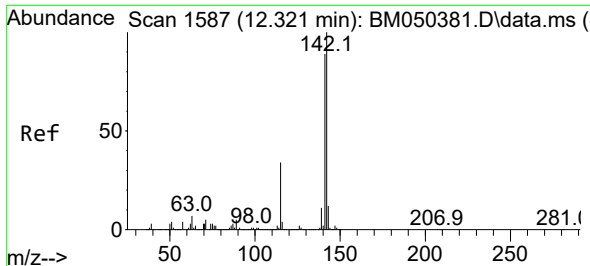
Tgt Ion:113 Resp: 385024
Ion Ratio Lower Upper
113 100
55 166.3 157.2 197.2
56 124.2 111.7 151.7



#36
4-Chloro-3-methylphenol
Concen: 45.558 ng
RT: 11.927 min Scan# 1520
Delta R.T. -0.006 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

Tgt Ion:107 Resp: 1401712
Ion Ratio Lower Upper
107 100
144 28.6 22.2 33.4
142 87.5 68.7 103.1





#37

2-Methylnaphthalene

Concen: 40.907 ng

RT: 12.310 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM050456.D

Acq: 15 Jul 2025 15:31

Instrument :

BNA_M

ClientSampleId :

TP-18MSD

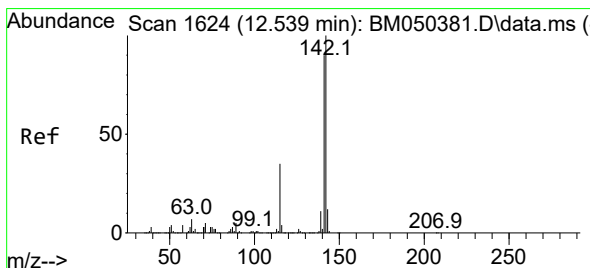
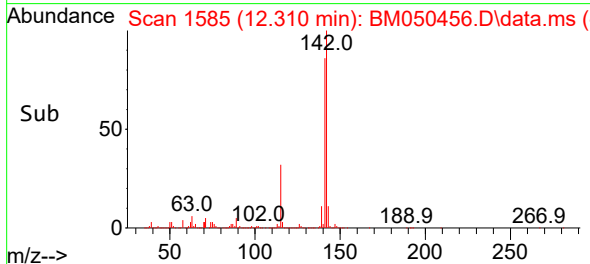
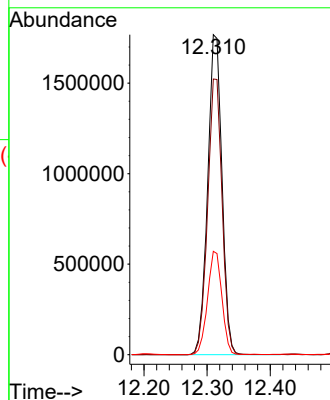
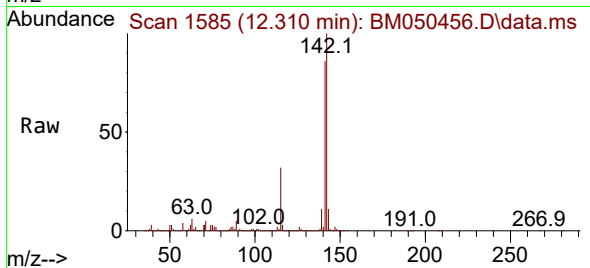
Tgt Ion:142 Resp: 2773699

Ion Ratio Lower Upper

142 100

141 86.1 70.8 106.2

115 32.3 27.0 40.4



#38

1-Methylnaphthalene

Concen: 40.609 ng

RT: 12.533 min Scan# 1623

Delta R.T. -0.006 min

Lab File: BM050456.D

Acq: 15 Jul 2025 15:31

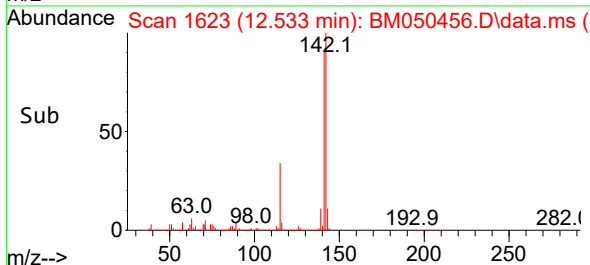
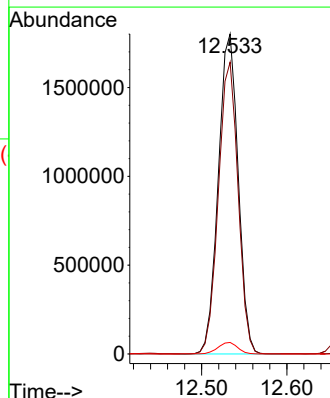
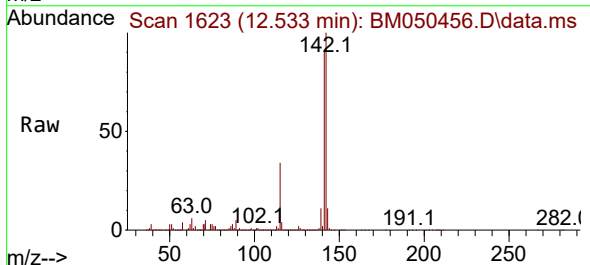
Tgt Ion:142 Resp: 2914040

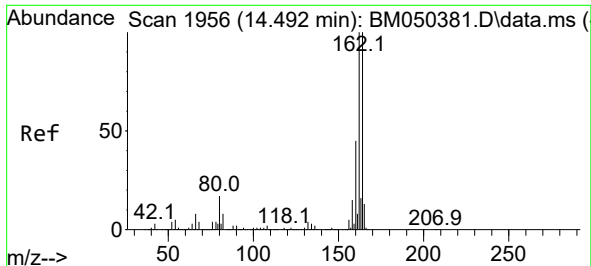
Ion Ratio Lower Upper

142 100

141 91.2 71.9 107.9

116 3.6 3.0 4.6

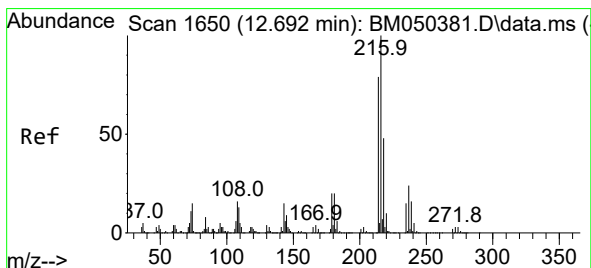
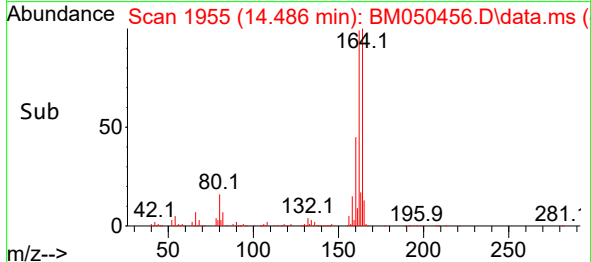
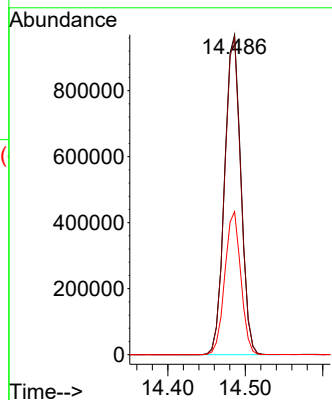
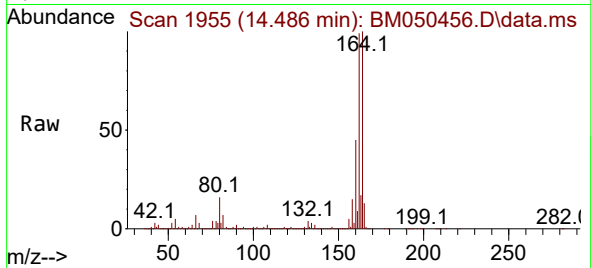




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.486 min Scan# 1956
Delta R.T. -0.006 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

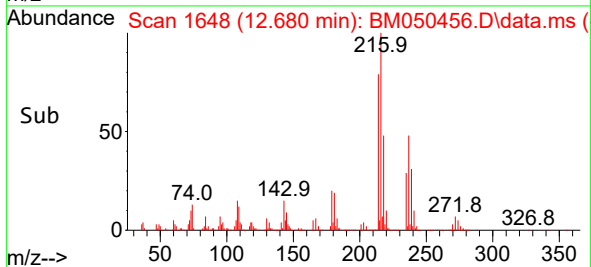
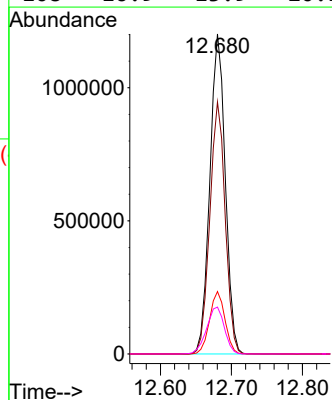
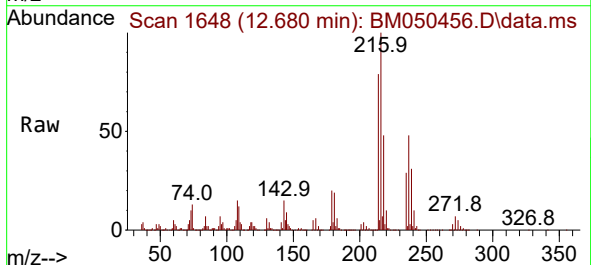
Instrument :
BNA_M
ClientSampleId :
TP-18MSD

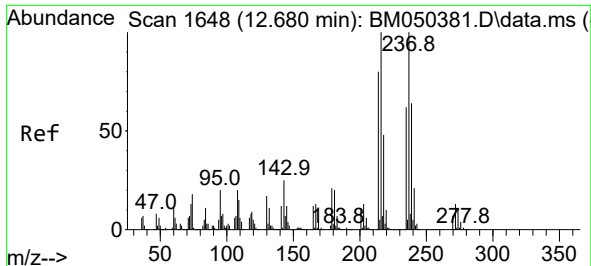
Tgt Ion:164 Resp: 1418618
Ion Ratio Lower Upper
164 100
162 99.3 79.9 119.9
160 44.7 36.2 54.4



#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.255 ng
RT: 12.680 min Scan# 1648
Delta R.T. -0.012 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

Tgt Ion:216 Resp: 1816052
Ion Ratio Lower Upper
216 100
214 78.4 63.3 94.9
179 19.5 16.4 24.6
108 16.9 13.9 20.9

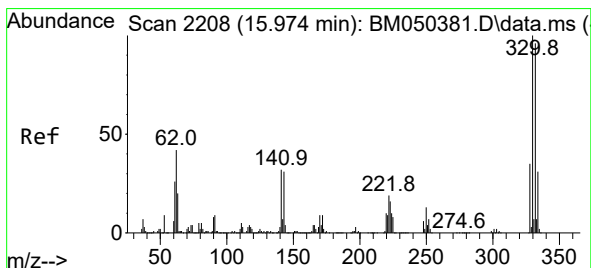
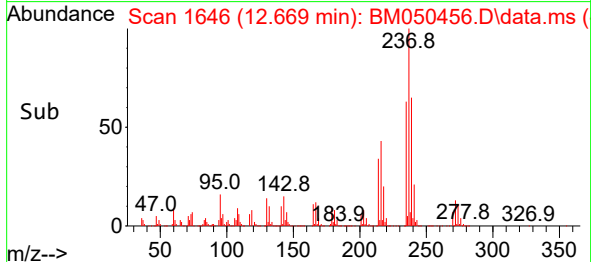
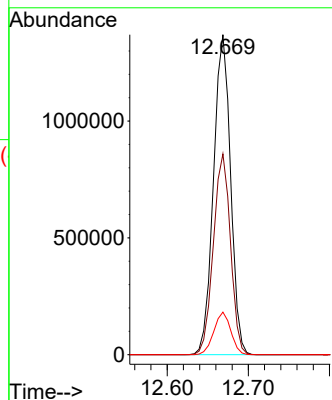
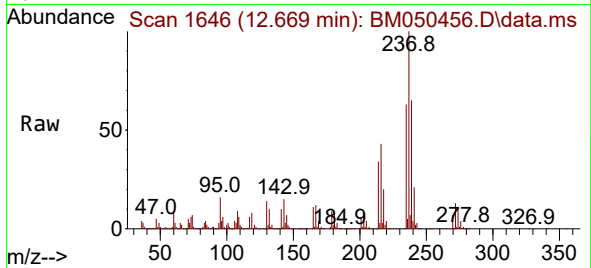




#41
Hexachlorocyclopentadiene
Concen: 69.362 ng
RT: 12.669 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

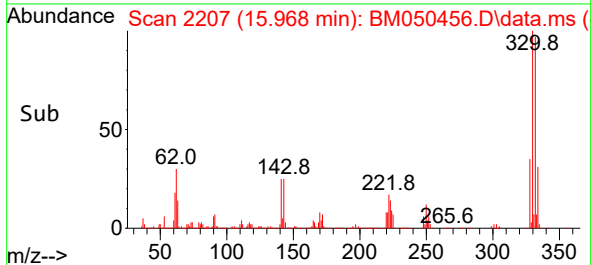
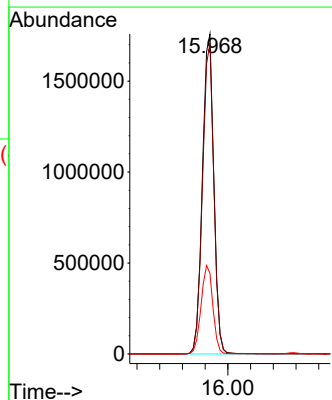
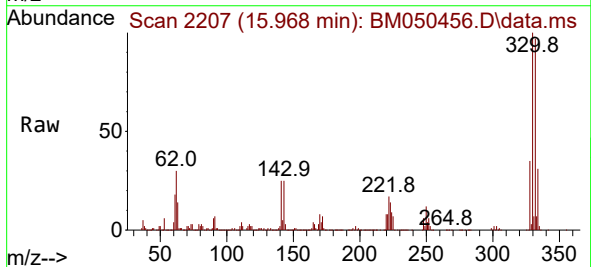
Instrument :
BNA_M
ClientSampleId :
TP-18MSD

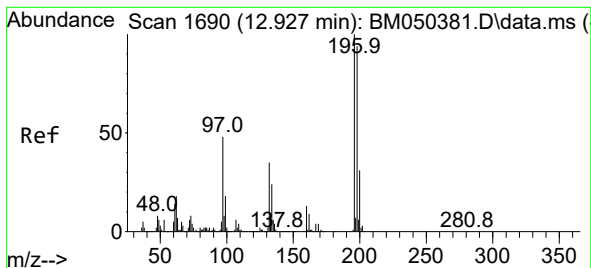
Tgt Ion:237 Resp: 2000208
Ion Ratio Lower Upper
237 100
235 62.7 42.3 82.3
272 13.3 0.0 33.0



#42
2,4,6-Tribromophenol
Concen: 141.772 ng
RT: 15.968 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

Tgt Ion:330 Resp: 2443638
Ion Ratio Lower Upper
330 100
332 96.7 76.9 115.3
141 28.6 27.4 41.0





#43

2,4,6-Trichlorophenol

Concen: 45.930 ng

RT: 12.916 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM050456.D

Acq: 15 Jul 2025 15:31

Instrument :

BNA_M

ClientSampleId :

TP-18MSD

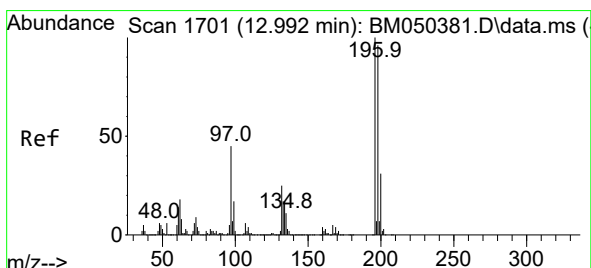
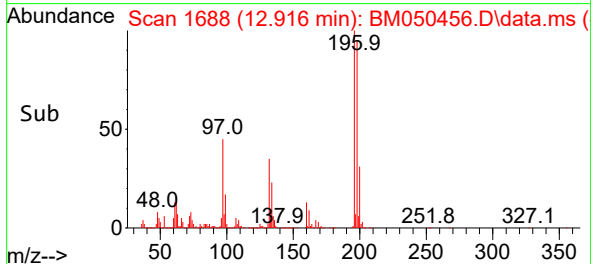
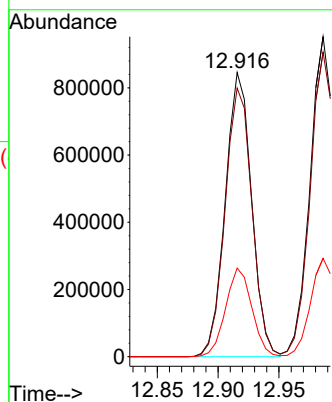
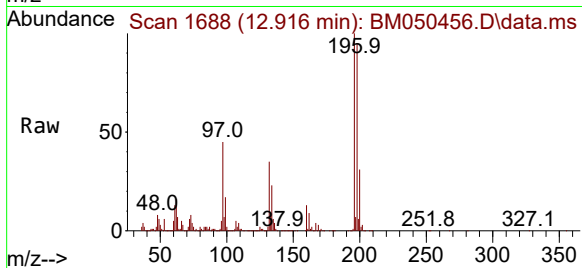
Tgt Ion:196 Resp: 1275451

Ion Ratio Lower Upper

196 100

198 94.5 75.1 112.7

200 31.2 24.6 37.0



#44

2,4,5-Trichlorophenol

Concen: 46.728 ng

RT: 12.986 min Scan# 1700

Delta R.T. -0.006 min

Lab File: BM050456.D

Acq: 15 Jul 2025 15:31

Tgt Ion:196 Resp: 1417129

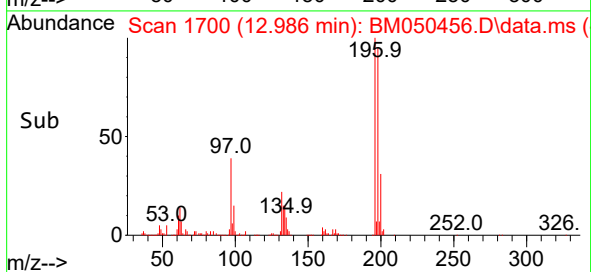
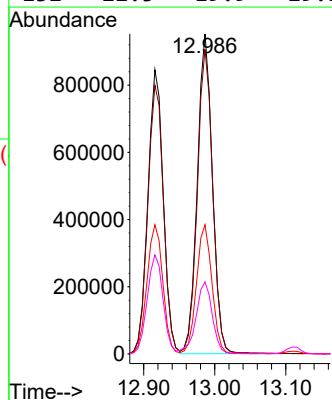
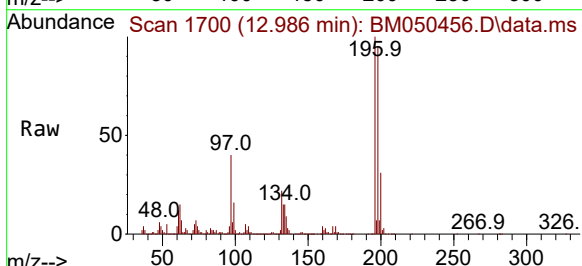
Ion Ratio Lower Upper

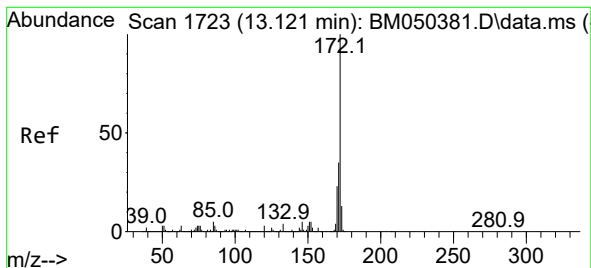
196 100

198 95.1 77.2 115.8

97 40.4 36.2 54.4

132 22.5 19.9 29.9





#45

2-Fluorobiphenyl

Concen: 66.640 ng

RT: 13.110 min Scan# 1721

Delta R.T. -0.012 min

Lab File: BM050456.D

Acq: 15 Jul 2025 15:31

Instrument :

BNA_M

ClientSampleId :

TP-18MSD

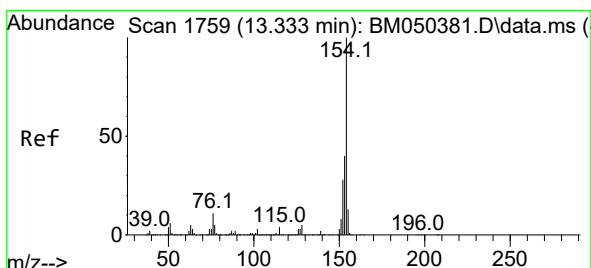
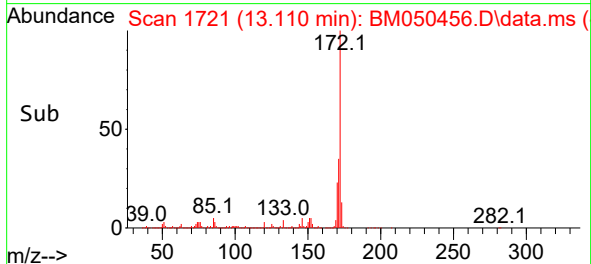
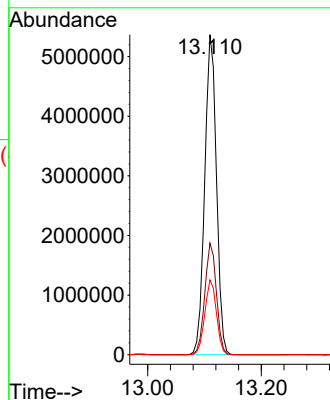
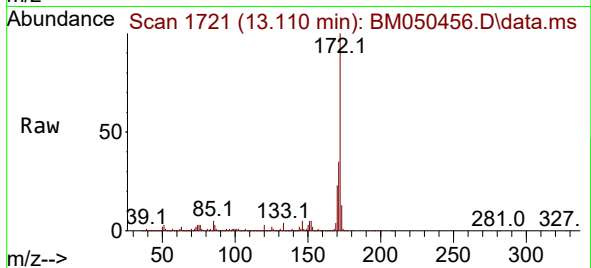
Tgt Ion:172 Resp: 7655220

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: 39.988 ng

RT: 13.322 min Scan# 1757

Delta R.T. -0.012 min

Lab File: BM050456.D

Acq: 15 Jul 2025 15:31

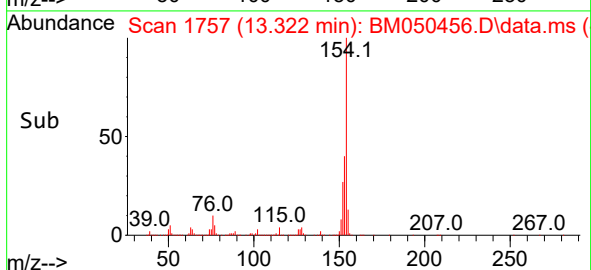
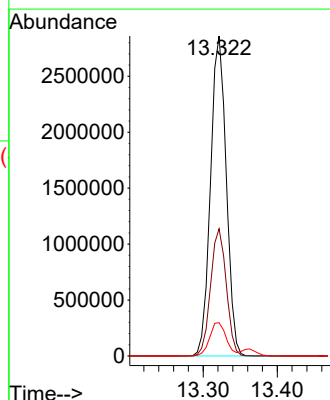
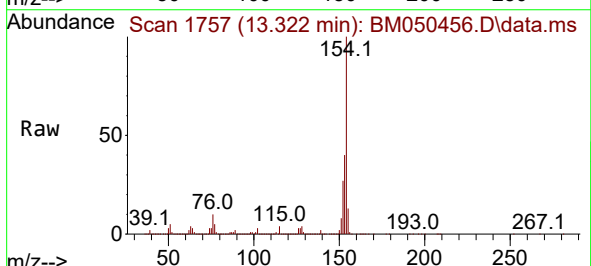
Tgt Ion:154 Resp: 4208779

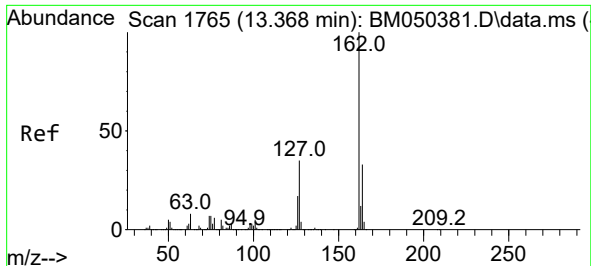
Ion Ratio Lower Upper

154 100

153 39.7 19.7 59.7

76 10.4 0.0 30.9

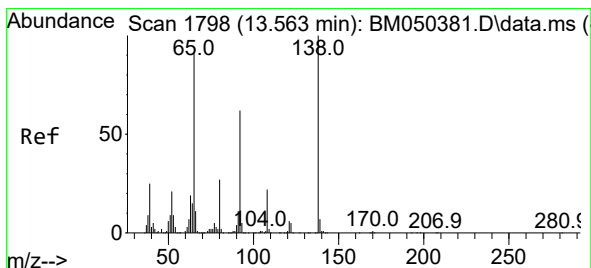
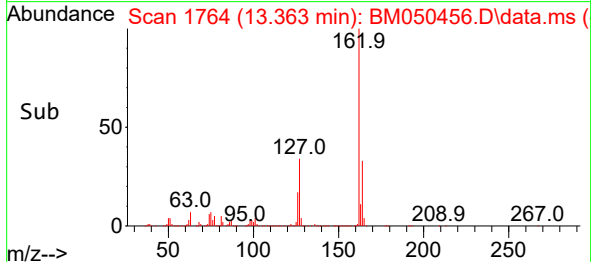
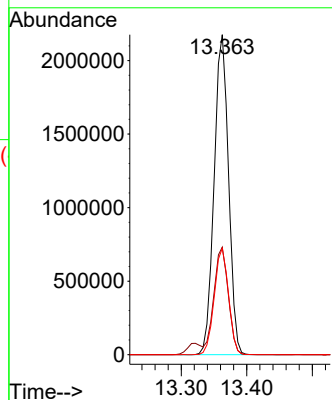
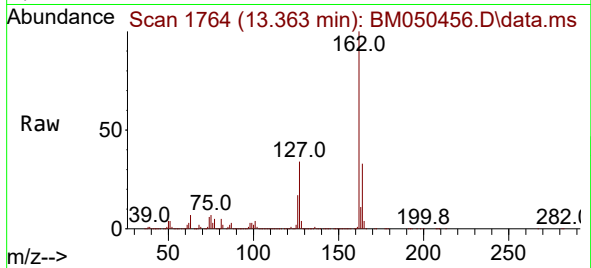




#47
2-Chloronaphthalene
Concen: 39.504 ng
RT: 13.363 min Scan# 1764
Delta R.T. -0.006 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

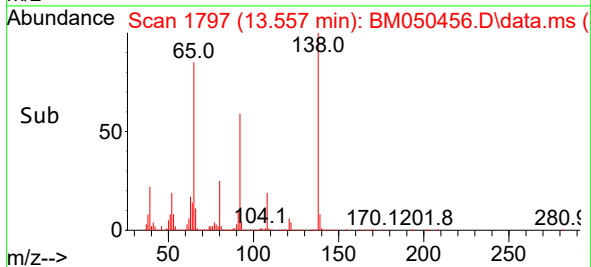
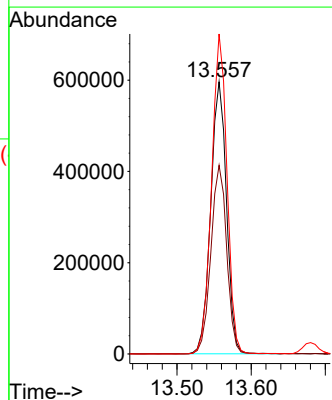
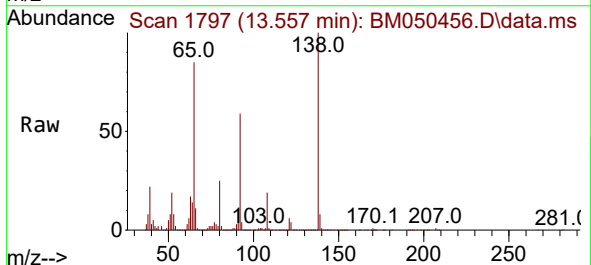
Instrument :
BNA_M
ClientSampleId :
TP-18MSD

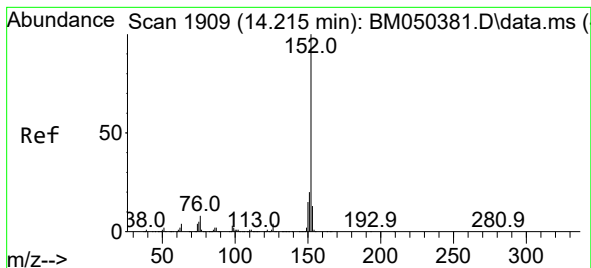
Tgt Ion:162 Resp: 3315084
Ion Ratio Lower Upper
162 100
127 33.6 28.3 42.5
164 33.3 26.6 40.0



#48
2-Nitroaniline
Concen: 47.074 ng
RT: 13.557 min Scan# 1797
Delta R.T. -0.006 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

Tgt Ion: 65 Resp: 881762
Ion Ratio Lower Upper
65 100
92 69.3 54.3 81.5
138 117.5 87.8 131.6





#49

Acenaphthylene

Concen: 41.209 ng

RT: 14.204 min Scan# 1907

Delta R.T. -0.012 min

Lab File: BM050456.D

Acq: 15 Jul 2025 15:31

Instrument :

BNA_M

ClientSampleId :

TP-18MSD

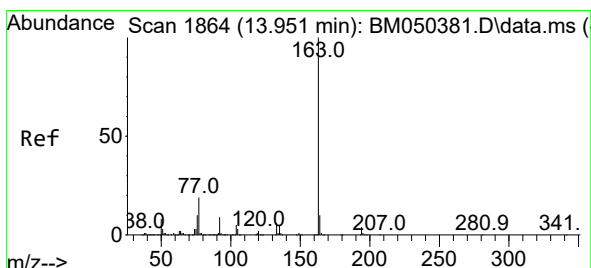
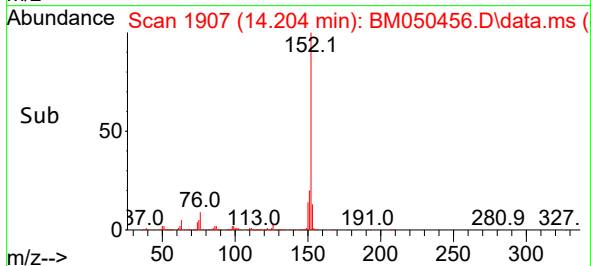
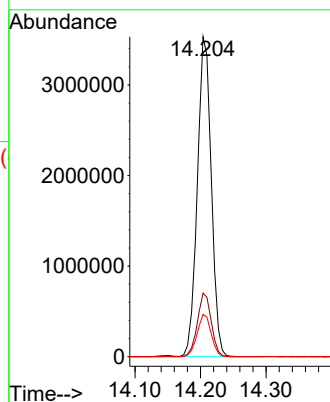
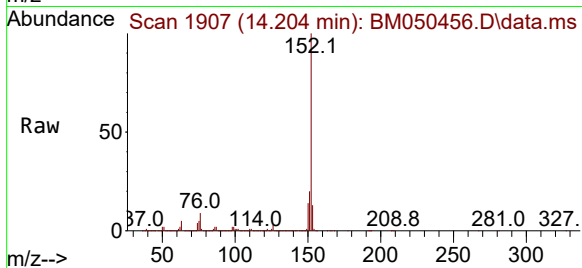
Tgt Ion:152 Resp: 5226313

Ion Ratio Lower Upper

152 100

151 19.8 16.3 24.5

153 13.2 10.6 15.8



#50

Dimethylphthalate

Concen: 43.177 ng

RT: 13.939 min Scan# 1862

Delta R.T. -0.012 min

Lab File: BM050456.D

Acq: 15 Jul 2025 15:31

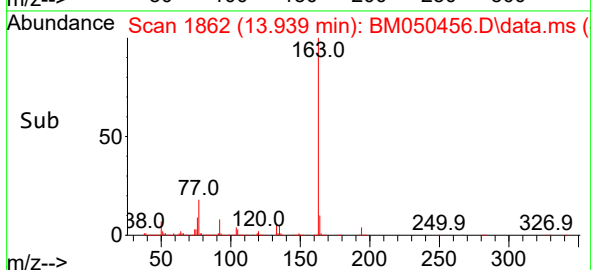
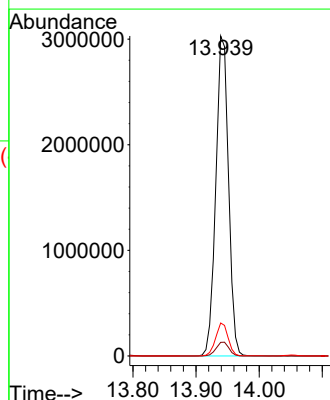
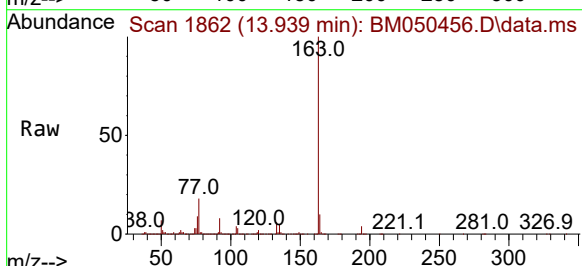
Tgt Ion:163 Resp: 4217003

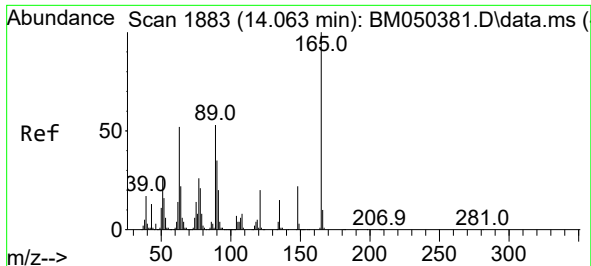
Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

164 10.3 8.2 12.2

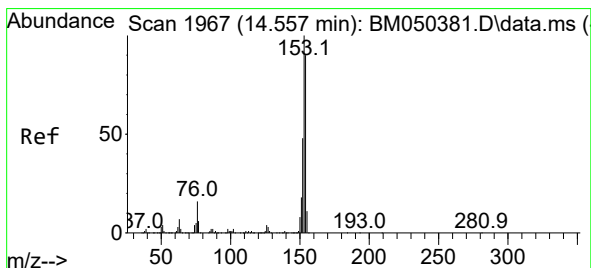
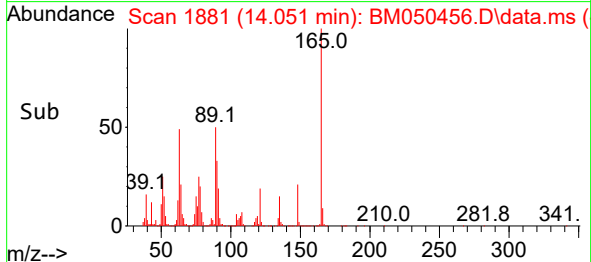
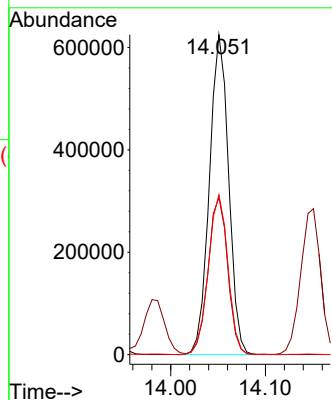
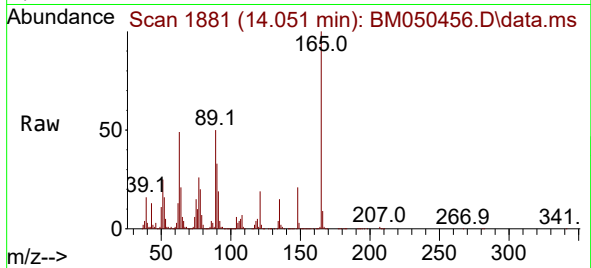




#51
2,6-Dinitrotoluene
Concen: 47.066 ng
RT: 14.051 min Scan# 1881
Delta R.T. -0.012 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

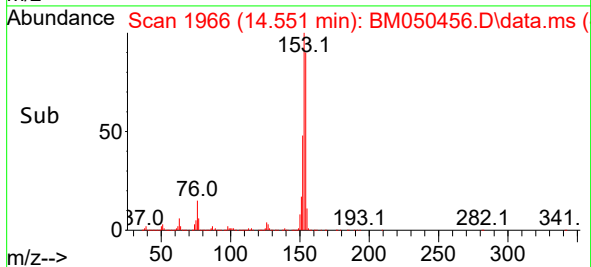
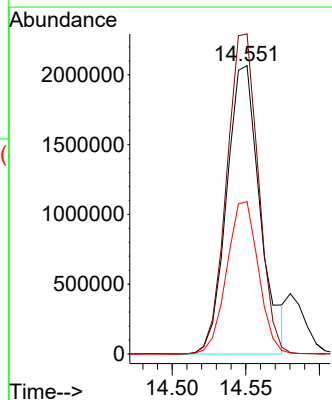
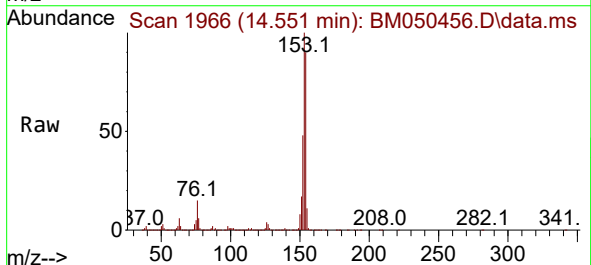
Instrument :
BNA_M
ClientSampleId :
TP-18MSD

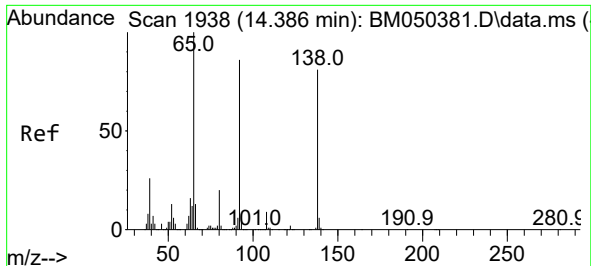
Tgt Ion:165 Resp: 882615
Ion Ratio Lower Upper
165 100
63 49.1 42.4 63.6
89 50.0 42.2 63.2



#52
Acenaphthene
Concen: 40.584 ng m
RT: 14.551 min Scan# 1966
Delta R.T. -0.006 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

Tgt Ion:154 Resp: 3272271
Ion Ratio Lower Upper
154 100
153 111.0 89.2 133.8
152 52.9 42.6 64.0

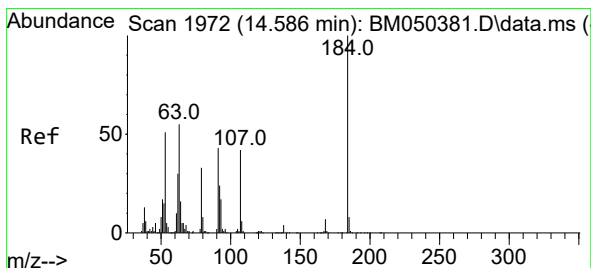
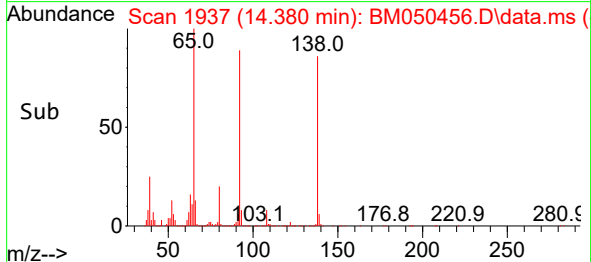
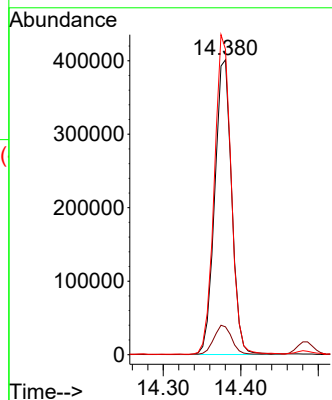
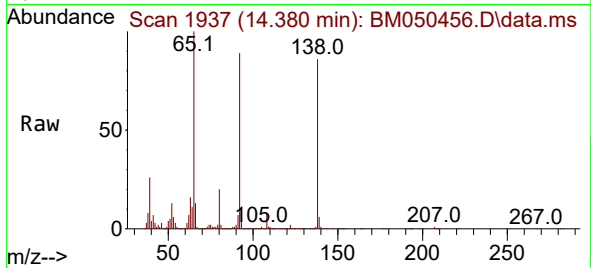




#53
3-Nitroaniline
Concen: 30.549 ng
RT: 14.380 min Scan# 1937
Delta R.T. -0.006 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

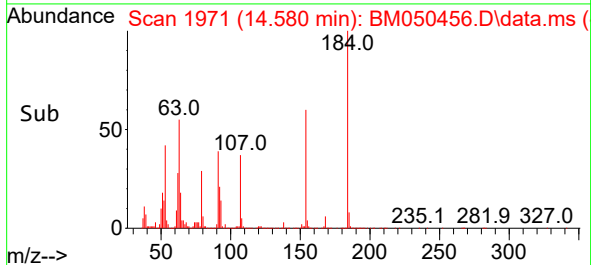
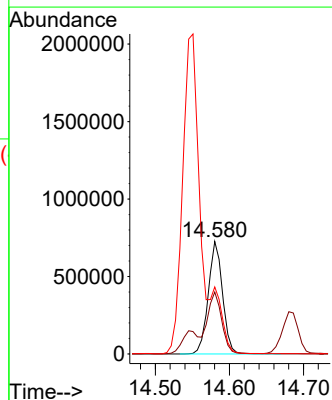
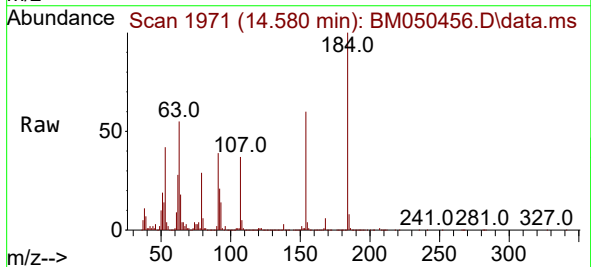
Instrument :
BNA_M
ClientSampleId :
TP-18MSD

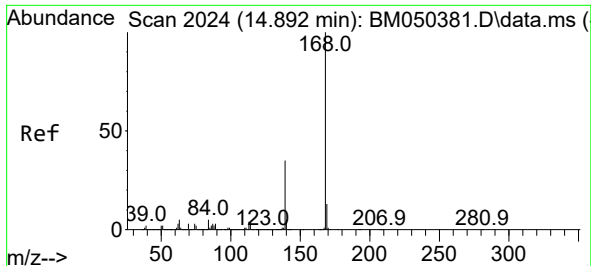
Tgt Ion:138 Resp: 609247
Ion Ratio Lower Upper
138 100
108 9.4 8.8 13.2
92 103.5 85.0 127.6



#54
2,4-Dinitrophenol
Concen: 93.183 ng
RT: 14.580 min Scan# 1971
Delta R.T. -0.006 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

Tgt Ion:184 Resp: 976116
Ion Ratio Lower Upper
184 100
63 55.1 53.4 80.0
154 59.6 61.6 92.4#

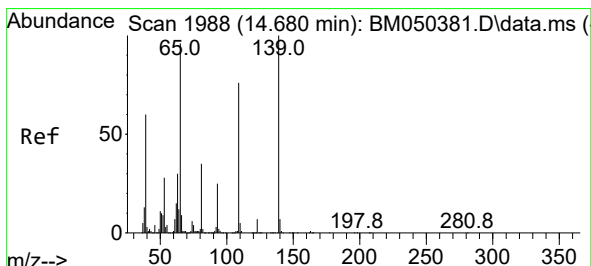
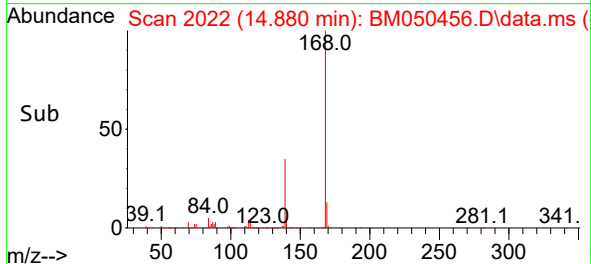
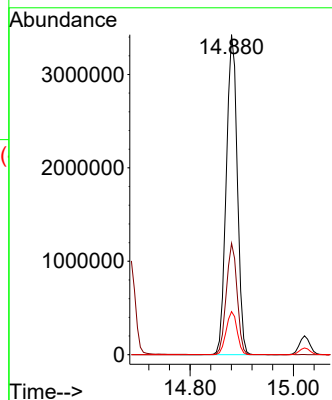
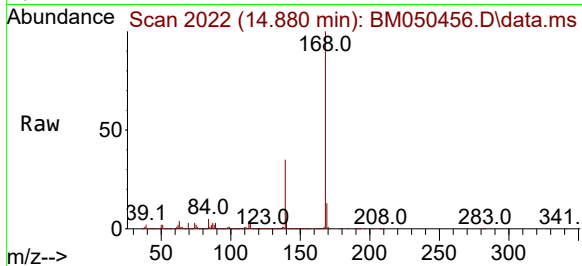




#55
Dibenzofuran
Concen: 40.771 ng
RT: 14.880 min Scan# 20
Delta R.T. -0.012 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

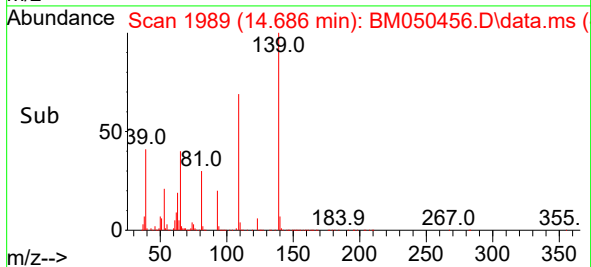
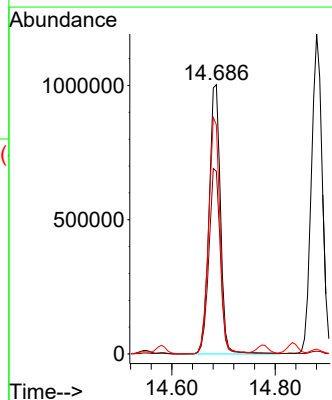
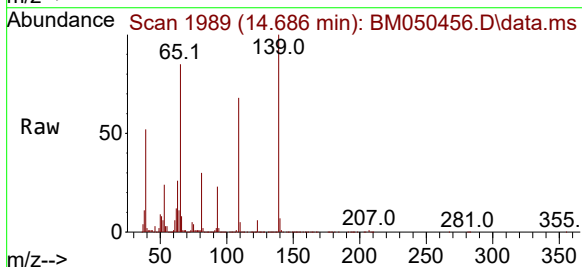
Instrument :
BNA_M
ClientSampleId :
TP-18MSD

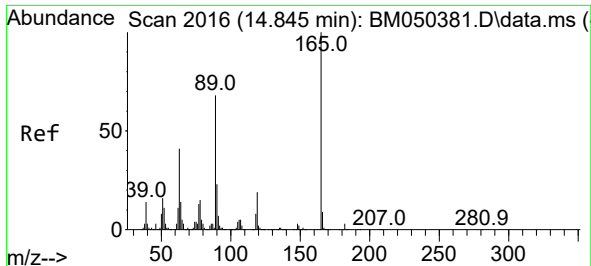
Tgt Ion:168 Resp: 5065232
Ion Ratio Lower Upper
168 100
139 34.8 27.7 41.5
169 13.5 10.7 16.1



#56
4-Nitrophenol
Concen: 89.640 ng
RT: 14.686 min Scan# 1989
Delta R.T. 0.006 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

Tgt Ion:139 Resp: 1537363
Ion Ratio Lower Upper
139 100
109 67.9 56.5 96.5
65 85.1 76.4 116.4





#57

2,4-Dinitrotoluene

Concen: 44.950 ng

RT: 14.833 min Scan# 20

Delta R.T. -0.012 min

Lab File: BM050456.D

Acq: 15 Jul 2025 15:31

Instrument :

BNA_M

ClientSampleId :

TP-18MSD

Tgt Ion:165 Resp: 1256724

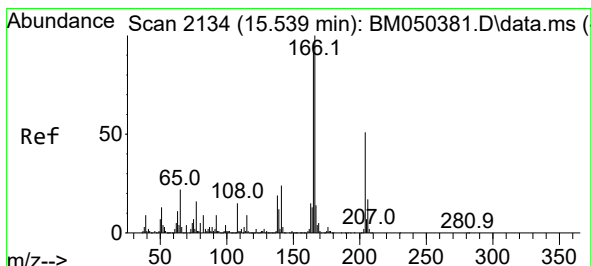
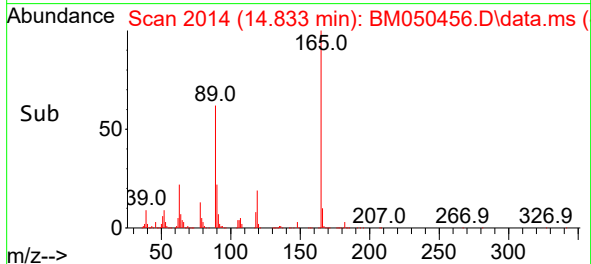
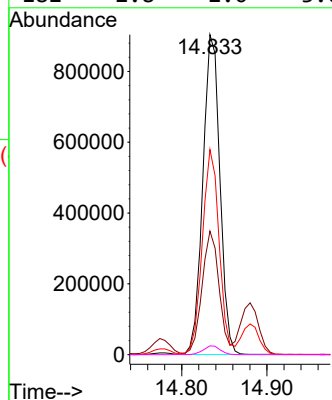
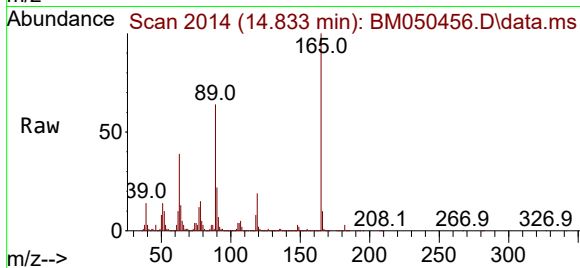
Ion Ratio Lower Upper

165 100

63 38.6 32.5 48.7

89 64.1 54.0 81.0

182 2.8 2.0 3.0



#58

Fluorene

Concen: 42.017 ng

RT: 15.527 min Scan# 2132

Delta R.T. -0.012 min

Lab File: BM050456.D

Acq: 15 Jul 2025 15:31

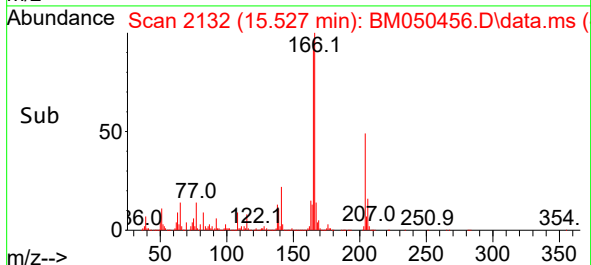
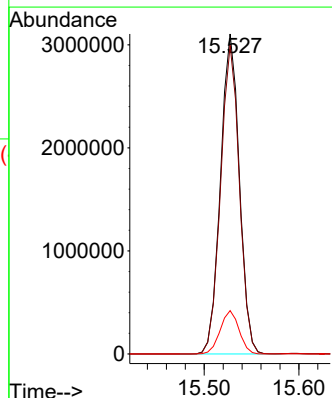
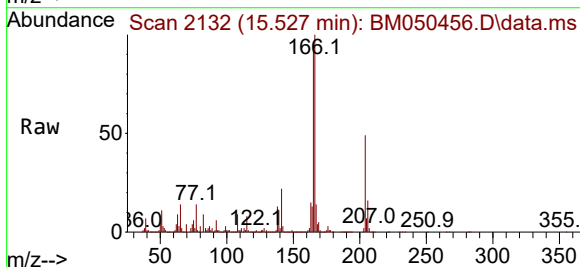
Tgt Ion:166 Resp: 4299538

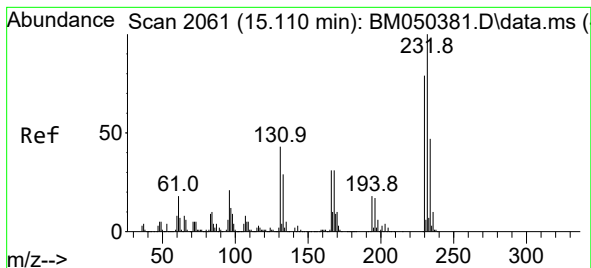
Ion Ratio Lower Upper

166 100

165 96.5 77.0 115.6

167 13.6 10.9 16.3

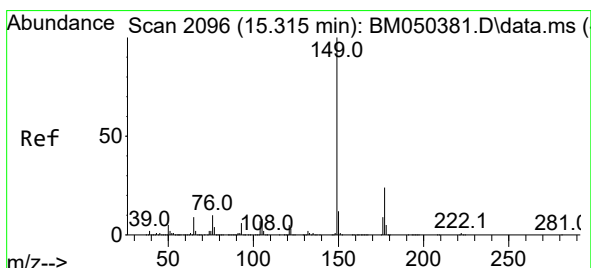
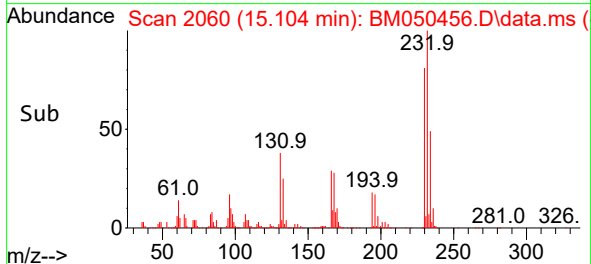
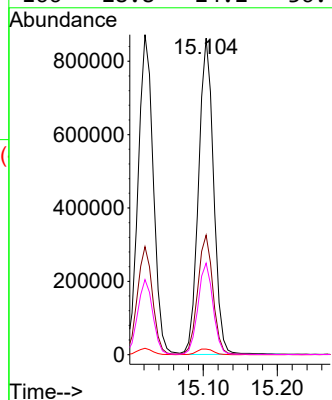
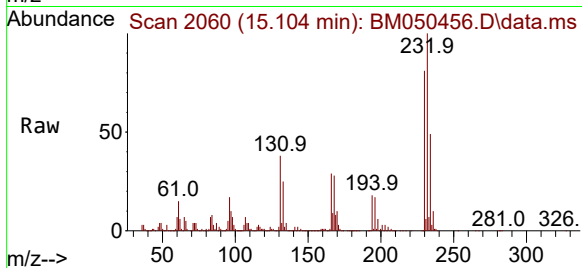




#59
2,3,4,6-Tetrachlorophenol
Concen: 47.492 ng
RT: 15.104 min Scan# 2060
Delta R.T. -0.006 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

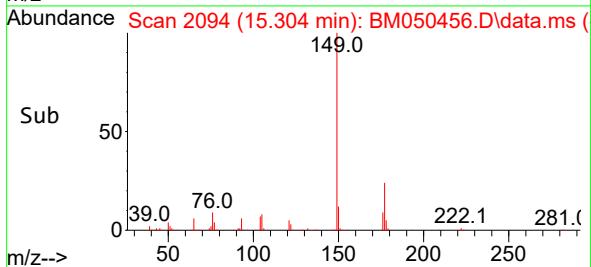
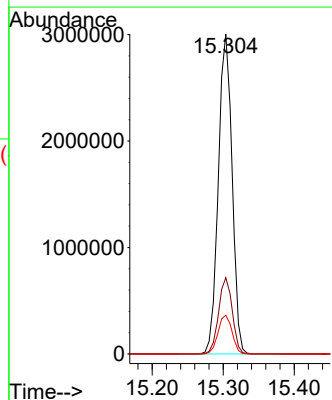
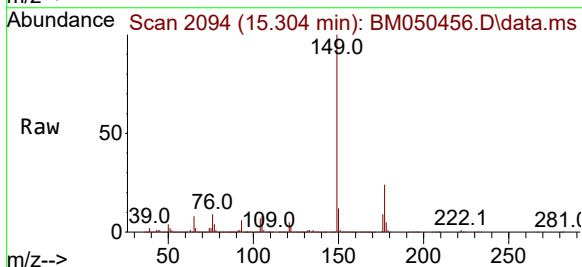
Instrument :
BNA_M
ClientSampleId :
TP-18MSD

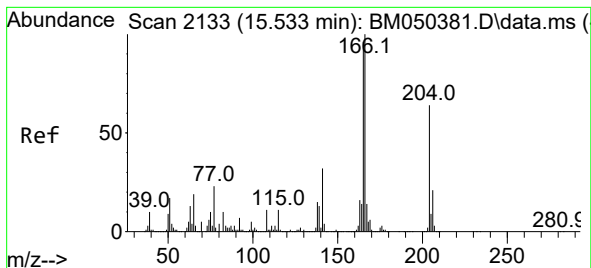
Tgt Ion:232 Resp: 1212432
Ion Ratio Lower Upper
232 100
131 38.0 33.4 50.0
130 2.0 1.8 2.6
166 28.8 24.2 36.4



#60
Diethylphthalate
Concen: 43.090 ng
RT: 15.304 min Scan# 2094
Delta R.T. -0.012 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

Tgt Ion:149 Resp: 4020100
Ion Ratio Lower Upper
149 100
177 23.9 18.8 28.2
150 12.1 9.8 14.8

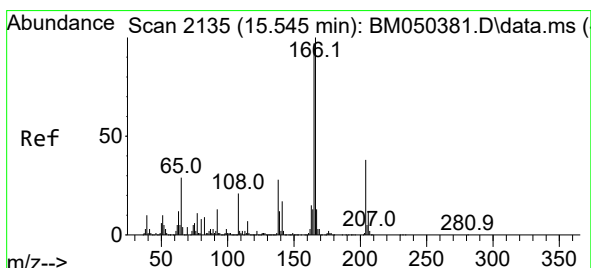
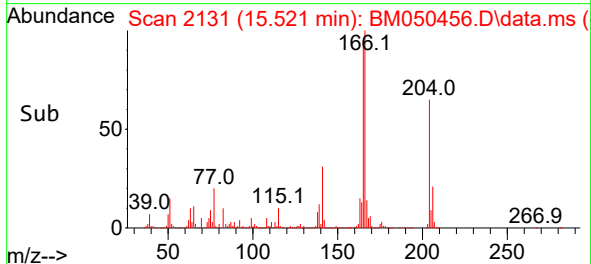
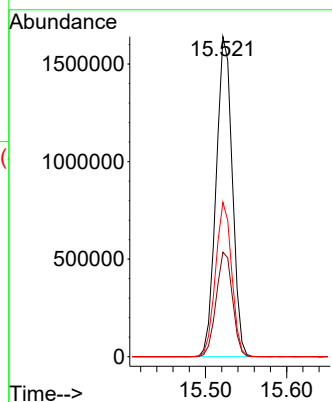
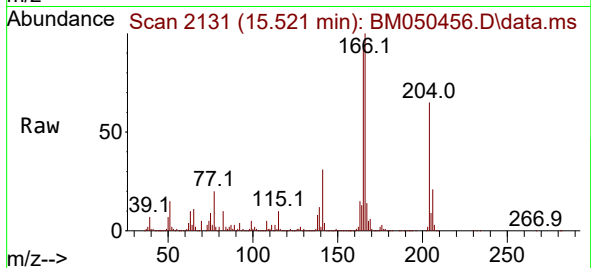




#61
4-Chlorophenyl-phenylether
Concen: 42.449 ng
RT: 15.521 min Scan# 2113
Delta R.T. -0.012 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

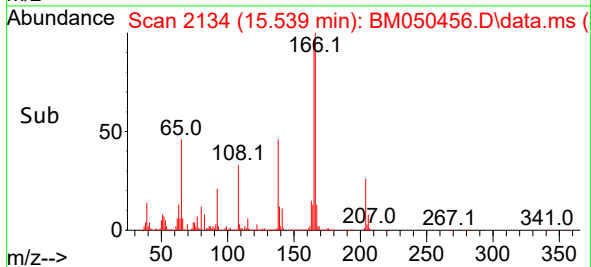
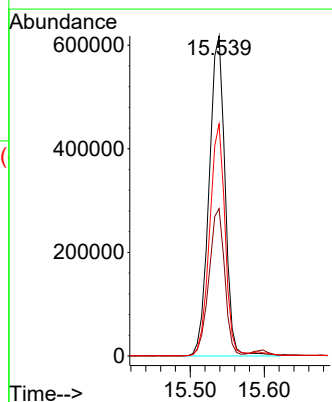
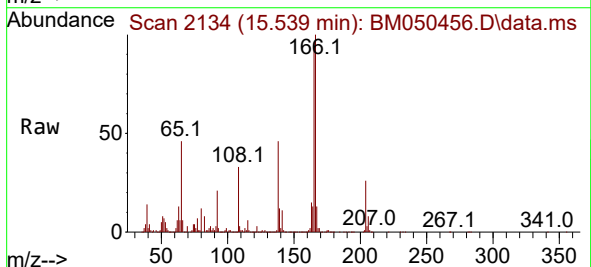
Instrument :
BNA_M
ClientSampleId :
TP-18MSD

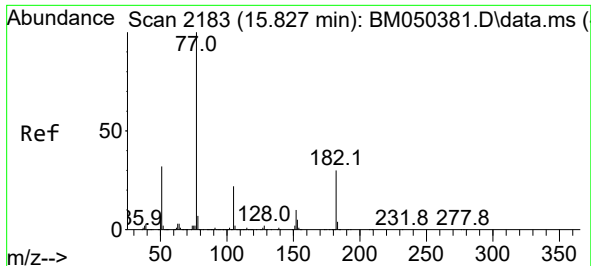
Tgt Ion:204 Resp: 2271348
Ion Ratio Lower Upper
204 100
206 32.7 26.6 39.8
141 48.3 39.9 59.9



#62
4-Nitroaniline
Concen: 40.697 ng
RT: 15.539 min Scan# 2134
Delta R.T. -0.006 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

Tgt Ion:138 Resp: 923554
Ion Ratio Lower Upper
138 100
92 46.0 24.5 64.5
108 72.5 52.5 92.5

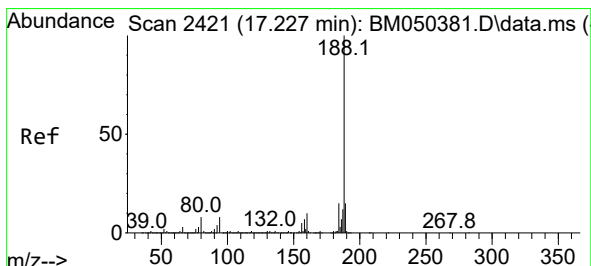
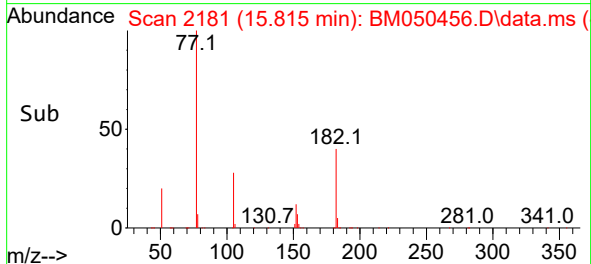
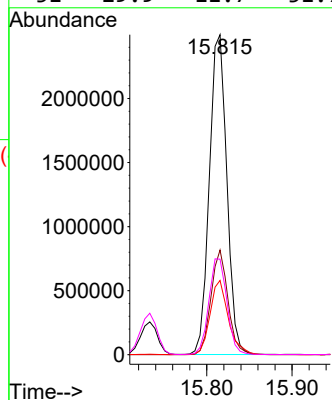
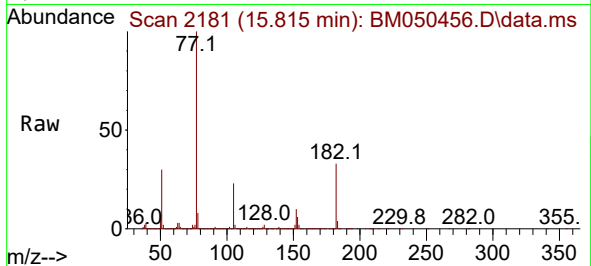




#63
Azobenzene
Concen: 41.464 ng
RT: 15.815 min Scan# 2181
Delta R.T. -0.012 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

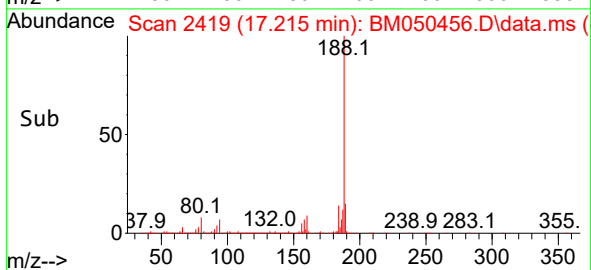
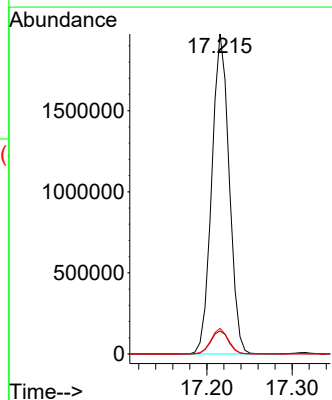
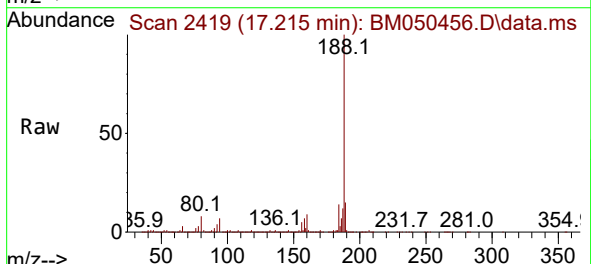
Instrument :
BNA_M
ClientSampleId :
TP-18MSD

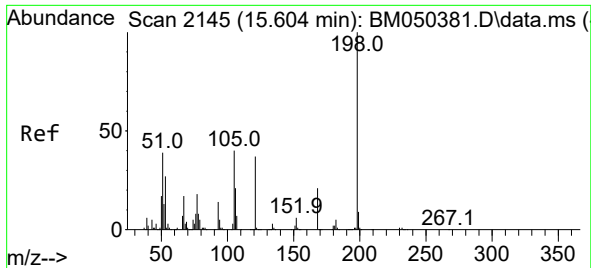
Tgt Ion: 77 Resp: 3552158
Ion Ratio Lower Upper
77 100
182 32.7 10.0 50.0
105 23.2 2.0 42.0
51 29.9 11.7 51.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.215 min Scan# 2419
Delta R.T. -0.012 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

Tgt Ion:188 Resp: 2807645
Ion Ratio Lower Upper
188 100
94 7.2 6.0 9.0
80 8.0 6.5 9.7

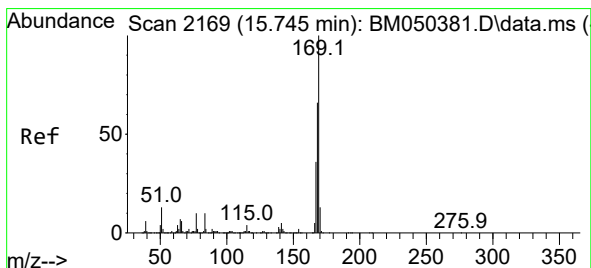
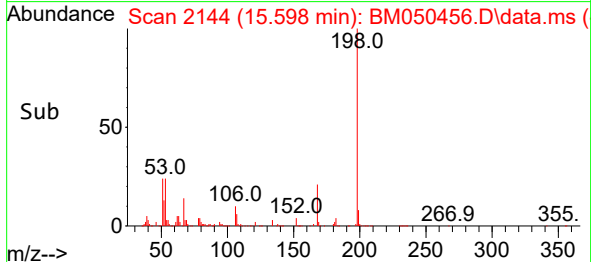
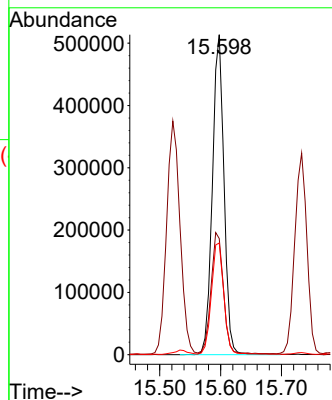
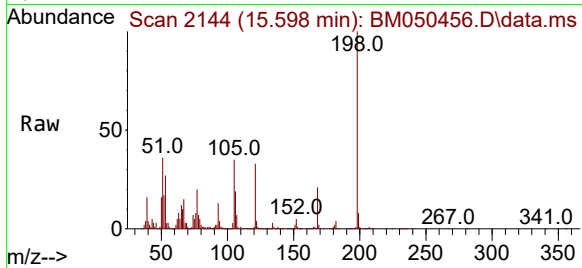




#65
 4,6-Dinitro-2-methylphenol
 Concen: 45.411 ng
 RT: 15.598 min Scan# 2144
 Delta R.T. -0.006 min
 Lab File: BM050456.D
 Acq: 15 Jul 2025 15:31

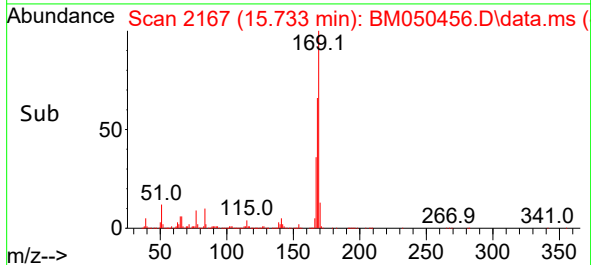
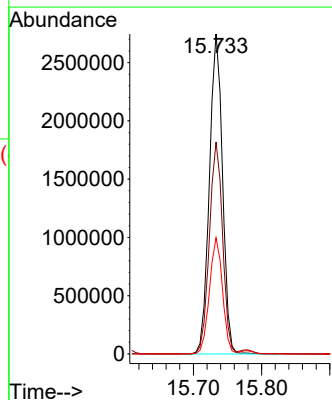
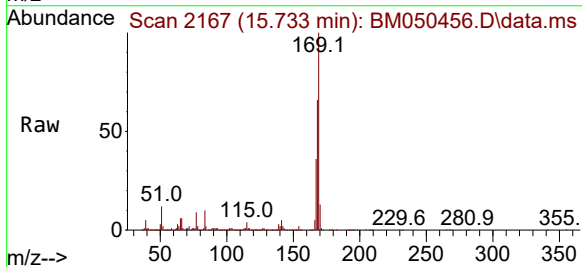
Instrument :
 BNA_M
 ClientSampleId :
 TP-18MSD

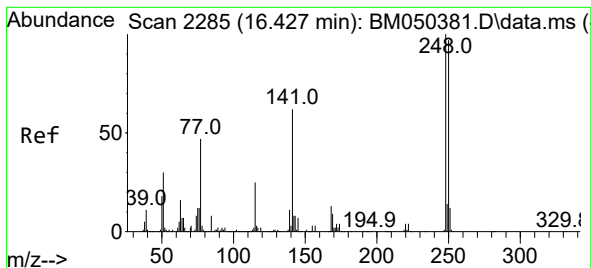
Tgt Ion:198 Resp: 679673
 Ion Ratio Lower Upper
 198 100
 51 36.3 26.6 66.6
 105 34.9 20.9 60.9



#66
 n-Nitrosodiphenylamine
 Concen: 41.849 ng
 RT: 15.733 min Scan# 2167
 Delta R.T. -0.012 min
 Lab File: BM050456.D
 Acq: 15 Jul 2025 15:31

Tgt Ion:169 Resp: 3676660
 Ion Ratio Lower Upper
 169 100
 168 66.2 53.2 79.8
 167 36.3 28.7 43.1

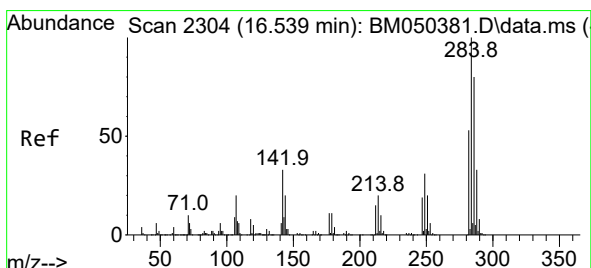
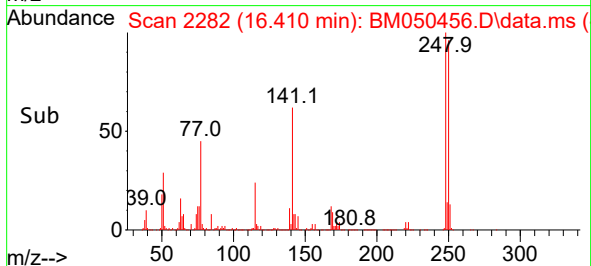
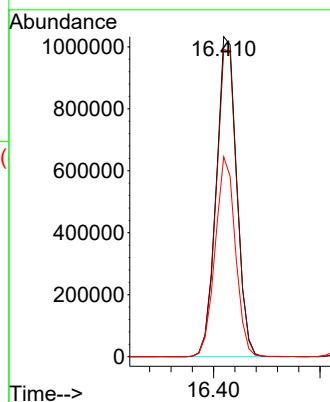
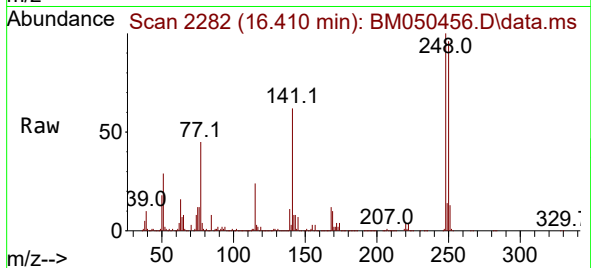




#67
4-Bromophenyl-phenylether
Concen: 44.394 ng
RT: 16.410 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

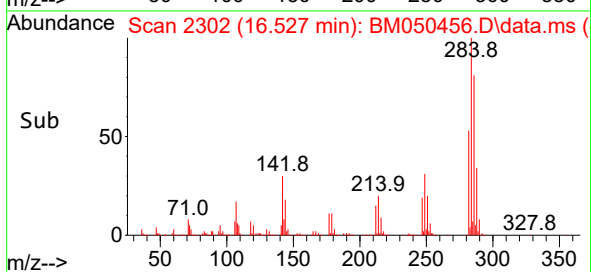
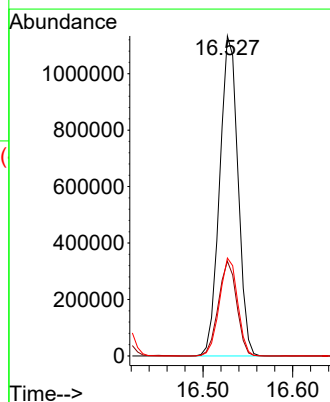
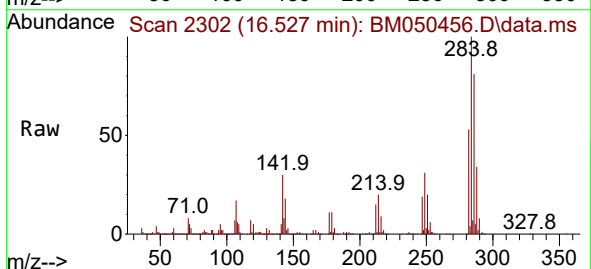
Instrument :
BNA_M
ClientSampleId :
TP-18MSD

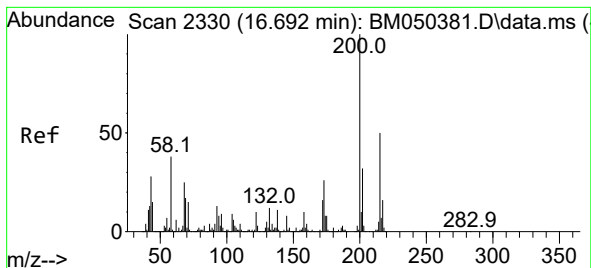
Tgt Ion:248 Resp: 1373284
Ion Ratio Lower Upper
248 100
250 96.0 77.9 116.9
141 62.4 49.7 74.5



#68
Hexachlorobenzene
Concen: 43.903 ng
RT: 16.527 min Scan# 2302
Delta R.T. -0.012 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

Tgt Ion:284 Resp: 1604008
Ion Ratio Lower Upper
284 100
142 29.6 26.8 40.2
249 30.6 24.5 36.7





#69

Atrazine

Concen: 45.421 ng

RT: 16.680 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050456.D

Acq: 15 Jul 2025 15:31

Instrument :

BNA_M

ClientSampleId :

TP-18MSD

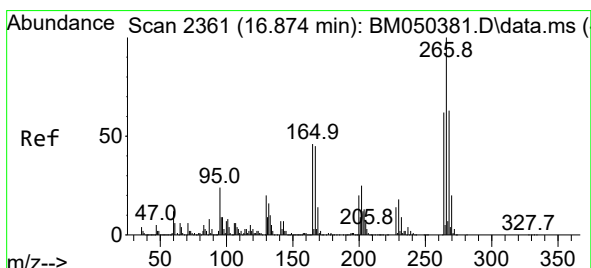
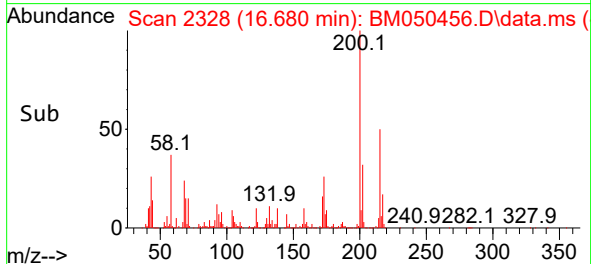
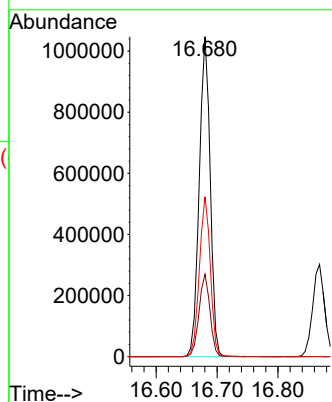
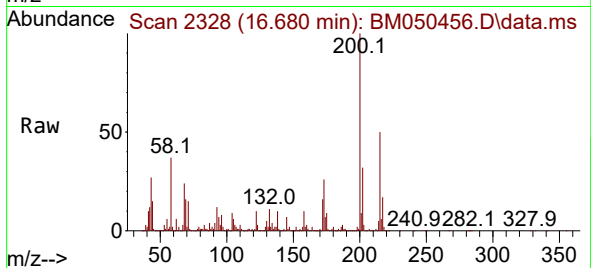
Tgt Ion:200 Resp: 1310346

Ion Ratio Lower Upper

200 100

173 25.8 5.6 45.6

215 50.0 29.6 69.6



#70

Pentachlorophenol

Concen: 100.090 ng

RT: 16.868 min Scan# 2360

Delta R.T. -0.006 min

Lab File: BM050456.D

Acq: 15 Jul 2025 15:31

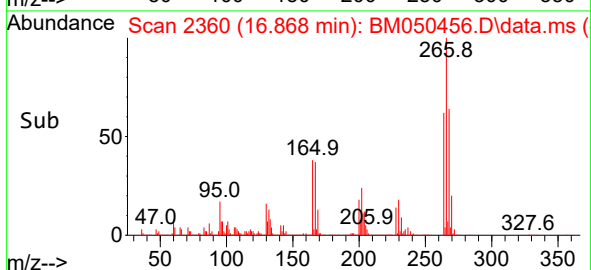
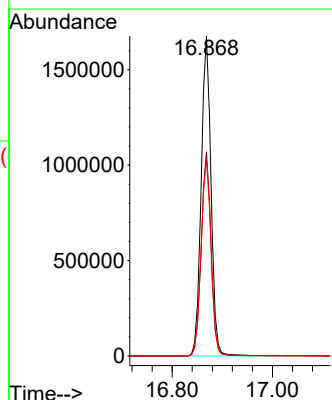
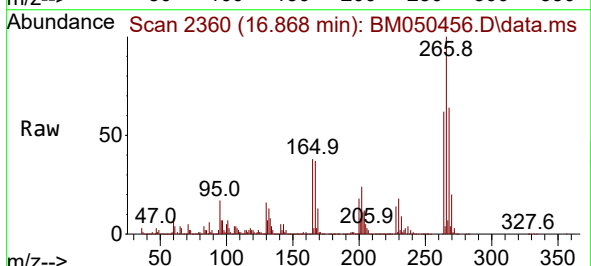
Tgt Ion:266 Resp: 2276407

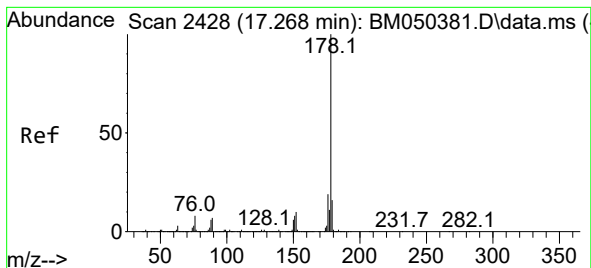
Ion Ratio Lower Upper

266 100

268 63.8 50.5 75.7

264 61.9 49.9 74.9





#71

Phenanthrene

Concen: 41.666 ng

RT: 17.257 min Scan# 2426

Delta R.T. -0.012 min

Lab File: BM050456.D

Acq: 15 Jul 2025 15:31

Instrument :

BNA_M

ClientSampleId :

TP-18MSD

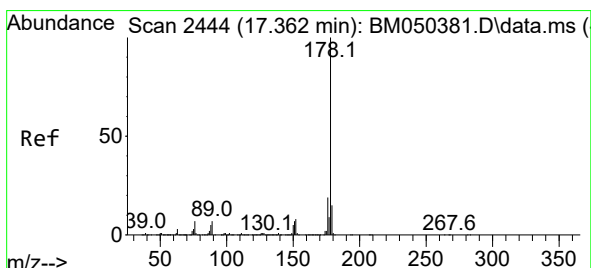
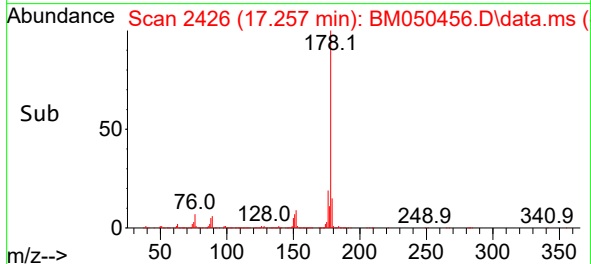
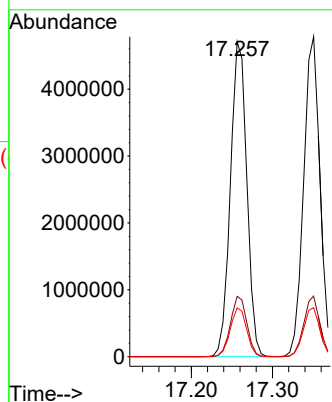
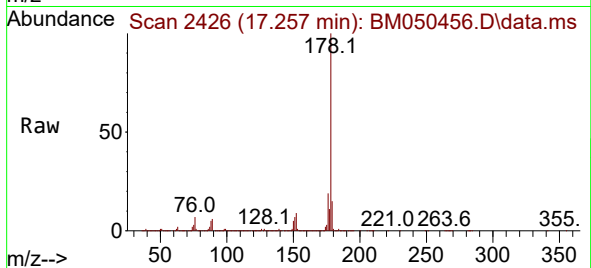
Tgt Ion:178 Resp: 6619627

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.0

179 15.5 12.5 18.7



#72

Anthracene

Concen: 42.320 ng

RT: 17.351 min Scan# 2442

Delta R.T. -0.012 min

Lab File: BM050456.D

Acq: 15 Jul 2025 15:31

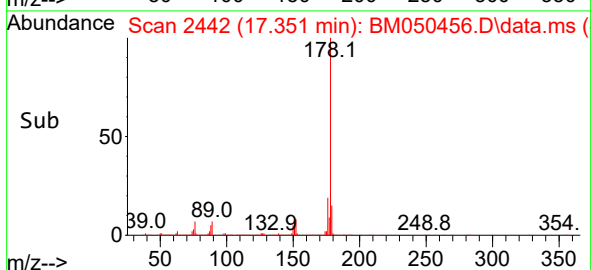
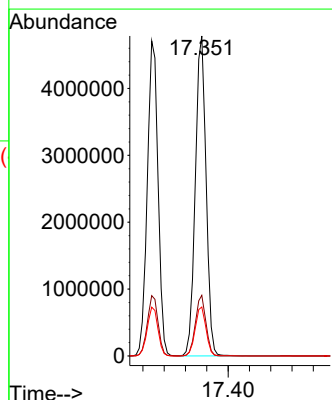
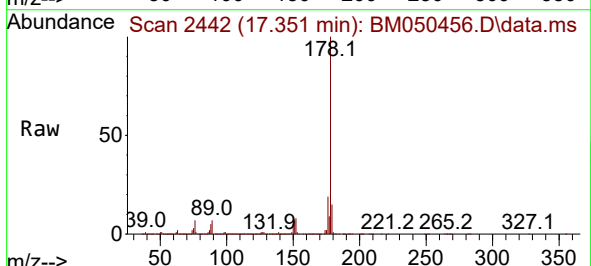
Tgt Ion:178 Resp: 6692575

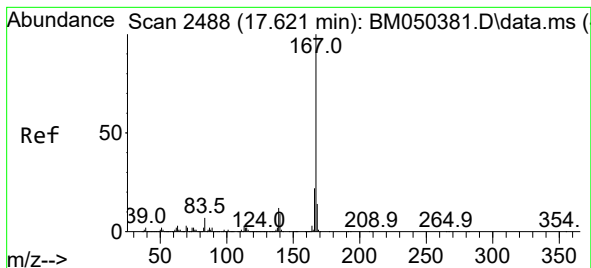
Ion Ratio Lower Upper

178 100

176 18.9 14.9 22.3

179 15.3 12.2 18.4





#73

Carbazole

Concen: 43.312 ng

RT: 17.615 min Scan# 24

Delta R.T. -0.006 min

Lab File: BM050456.D

Acq: 15 Jul 2025 15:31

Instrument :

BNA_M

ClientSampleId :

TP-18MSD

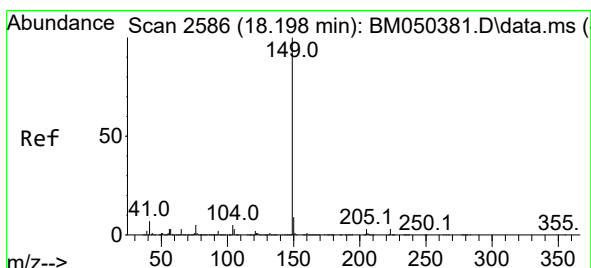
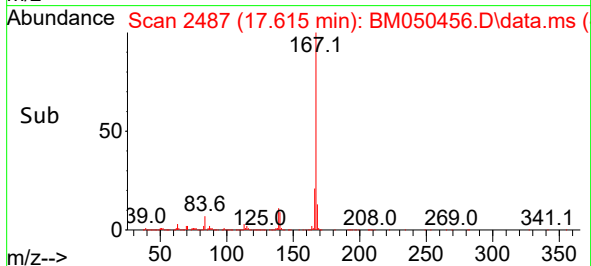
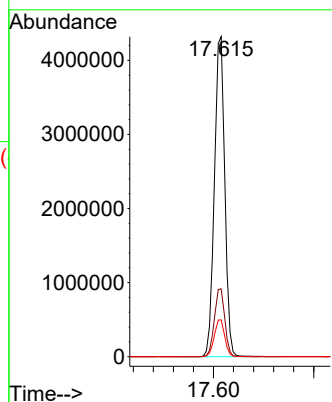
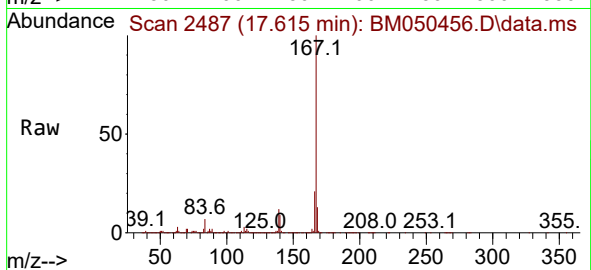
Tgt Ion:167 Resp: 6197472

Ion Ratio Lower Upper

167 100

166 21.2 17.2 25.8

139 11.5 9.9 14.9



#74

Di-n-butylphthalate

Concen: 44.657 ng

RT: 18.180 min Scan# 2583

Delta R.T. -0.018 min

Lab File: BM050456.D

Acq: 15 Jul 2025 15:31

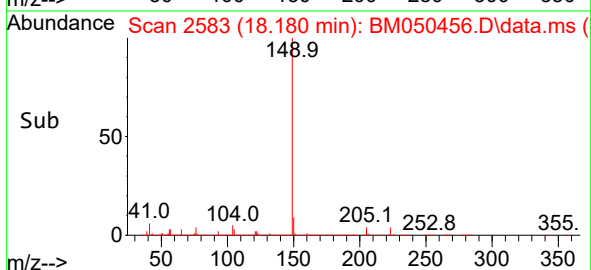
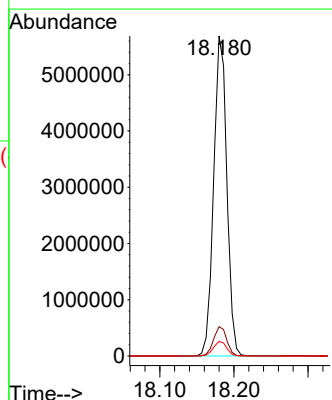
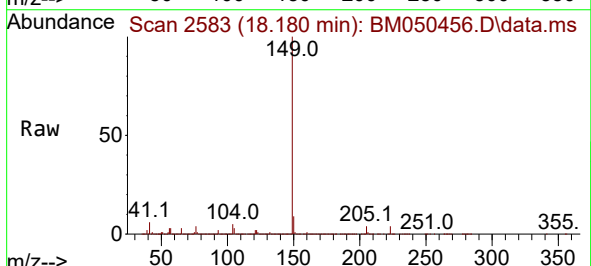
Tgt Ion:149 Resp: 6994092

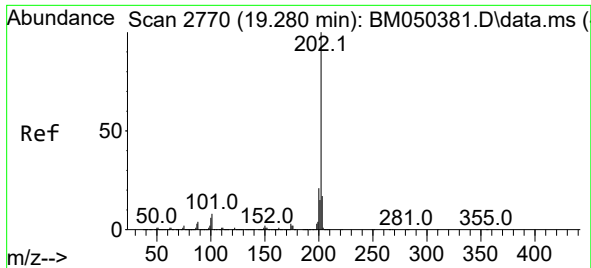
Ion Ratio Lower Upper

149 100

150 9.1 7.3 10.9

104 4.6 3.9 5.9

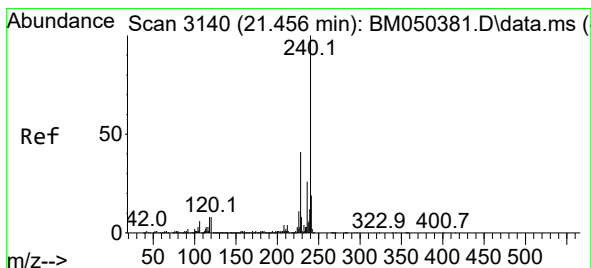
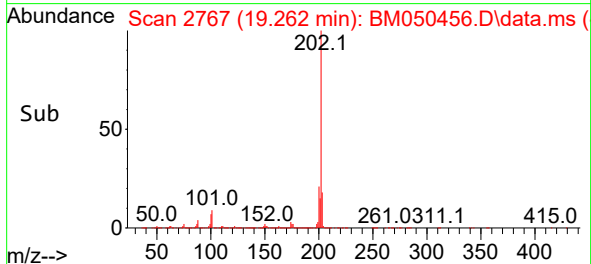
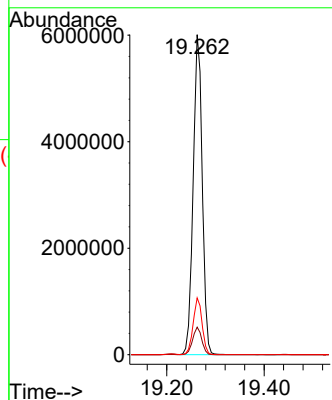
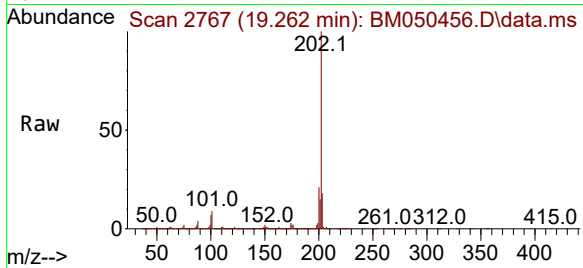




#75
Fluoranthene
Concen: 45.168 ng
RT: 19.262 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

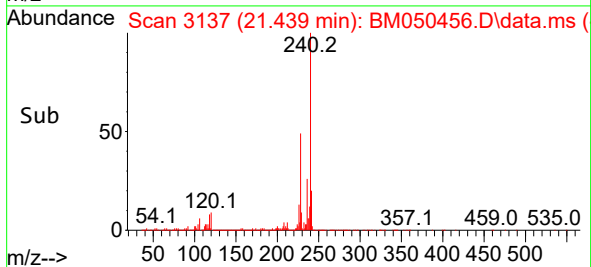
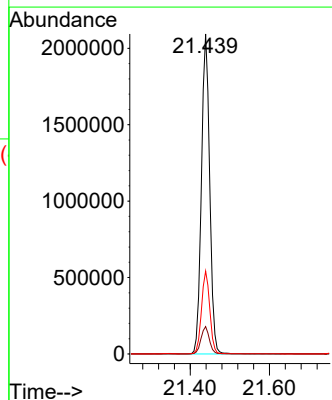
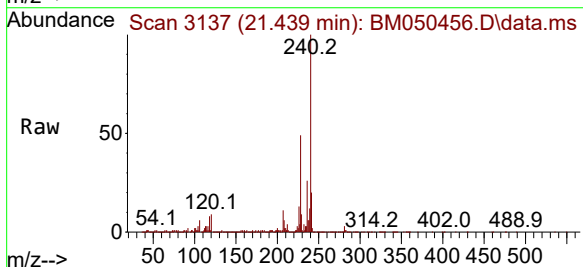
Instrument :
BNA_M
ClientSampleId :
TP-18MSD

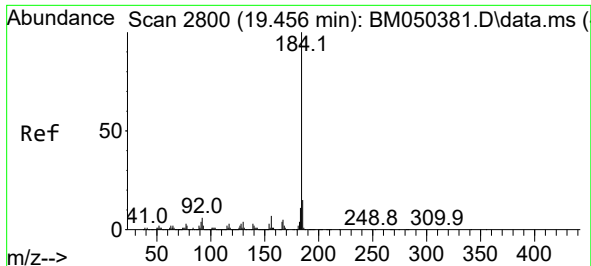
Tgt Ion:202 Resp: 7801051
Ion Ratio Lower Upper
202 100
101 8.6 0.0 28.3
203 17.8 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.439 min Scan# 3137
Delta R.T. -0.018 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

Tgt Ion:240 Resp: 3021882
Ion Ratio Lower Upper
240 100
120 8.5 6.7 10.1
236 25.9 20.7 31.1

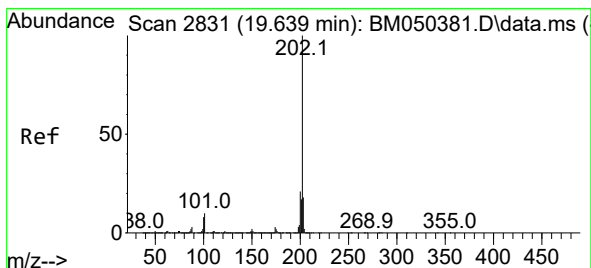
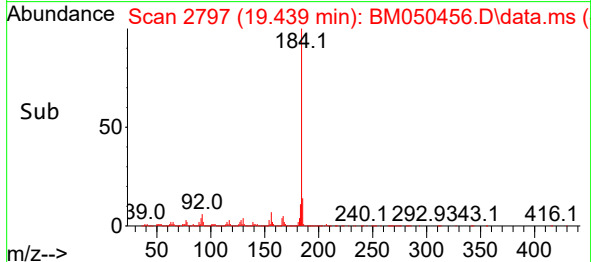
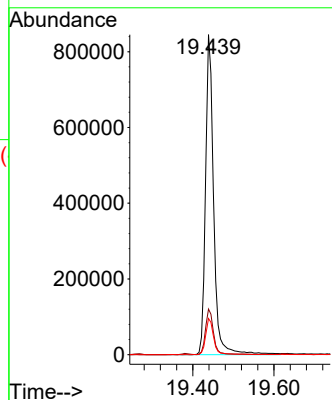
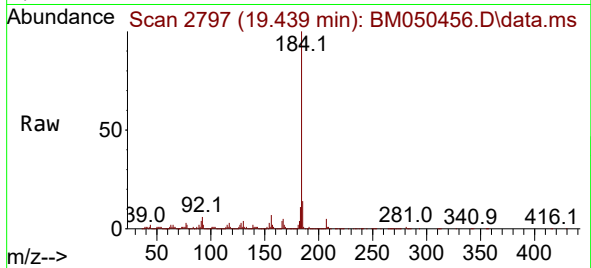




#77
Benzidine
Concen: 15.203 ng
RT: 19.439 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

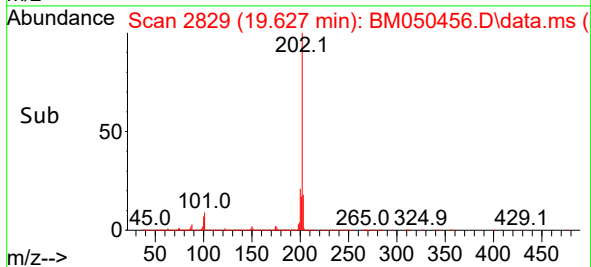
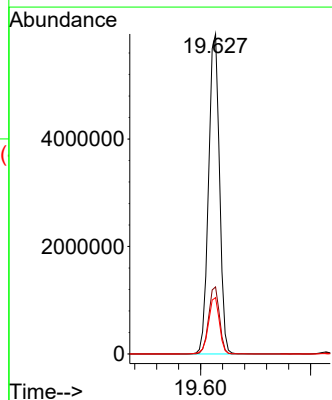
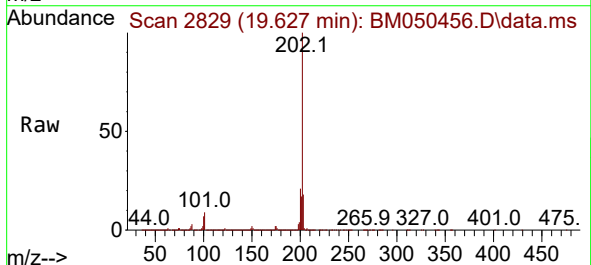
Instrument :
BNA_M
ClientSampleId :
TP-18MSD

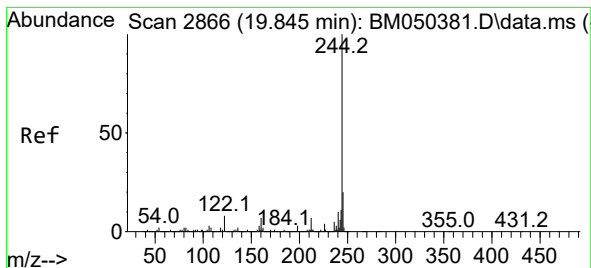
Tgt Ion:184 Resp: 1171840
Ion Ratio Lower Upper
184 100
185 14.2 11.7 17.5
183 11.3 9.0 13.6



#78
Pyrene
Concen: 42.192 ng
RT: 19.627 min Scan# 2829
Delta R.T. -0.012 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

Tgt Ion:202 Resp: 8165660
Ion Ratio Lower Upper
202 100
200 21.0 16.9 25.3
203 17.6 14.1 21.1





#79

Terphenyl-d14

Concen: 72.919 ng

RT: 19.827 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM050456.D

Acq: 15 Jul 2025 15:31

Instrument :

BNA_M

ClientSampleId :

TP-18MSD

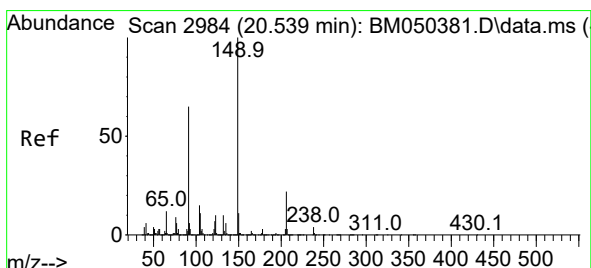
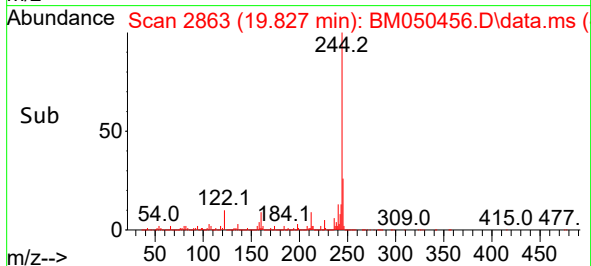
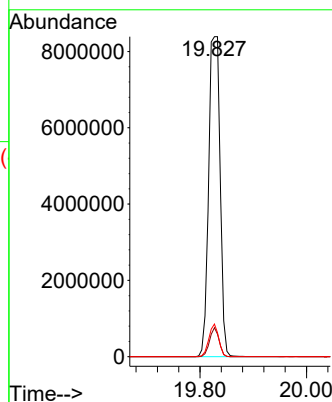
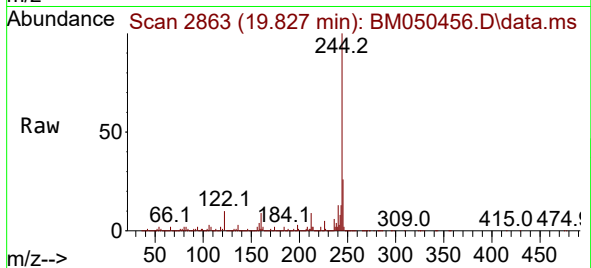
Tgt Ion:244 Resp:12523957

Ion Ratio Lower Upper

244 100

212 9.0 5.7 8.5#

122 10.2 6.2 9.2#



#80

Butylbenzylphthalate

Concen: 50.043 ng

RT: 20.521 min Scan# 2981

Delta R.T. -0.018 min

Lab File: BM050456.D

Acq: 15 Jul 2025 15:31

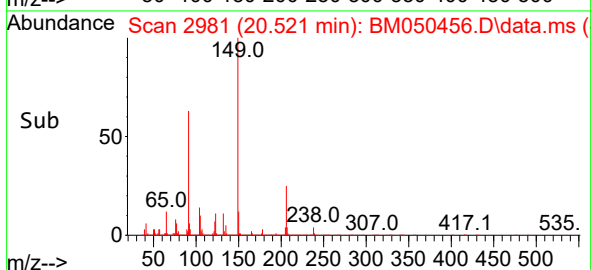
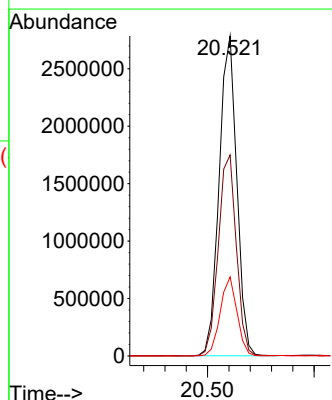
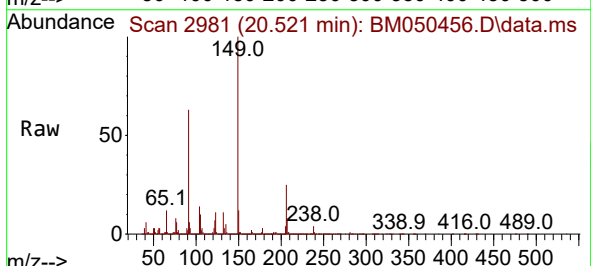
Tgt Ion:149 Resp: 3193473

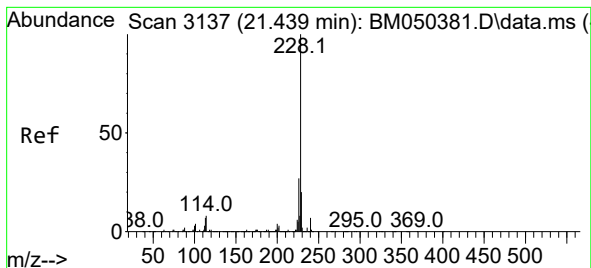
Ion Ratio Lower Upper

149 100

91 62.8 51.6 77.4

206 24.7 17.8 26.8





#81

Benzo(a)anthracene

Concen: 43.209 ng

RT: 21.421 min Scan# 31

Delta R.T. -0.018 min

Lab File: BM050456.D

Acq: 15 Jul 2025 15:31

Instrument :

BNA_M

ClientSampleId :

TP-18MSD

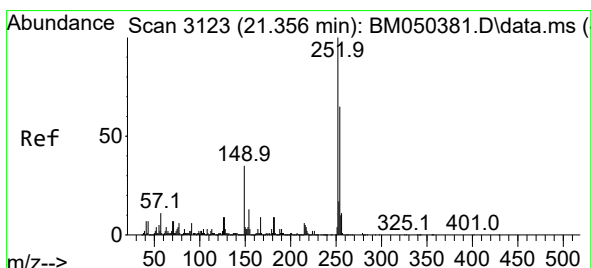
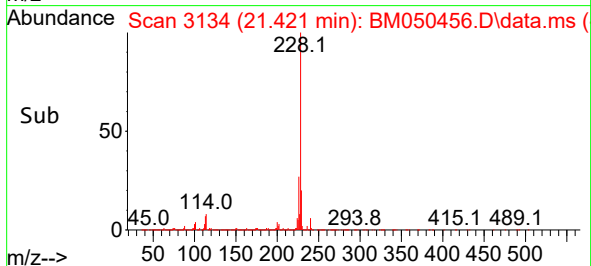
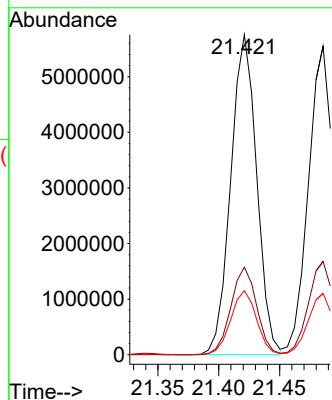
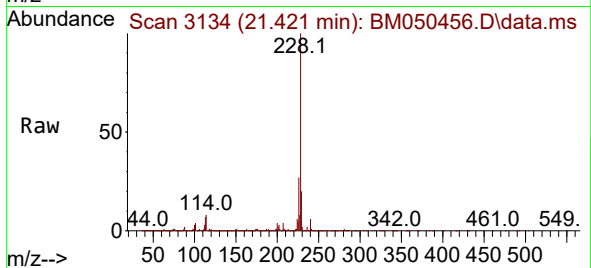
Tgt Ion:228 Resp: 8507761

Ion Ratio Lower Upper

228 100

226 27.4 21.8 32.8

229 20.0 16.0 24.0



#82

3,3'-Dichlorobenzidine

Concen: 31.170 ng

RT: 21.339 min Scan# 3120

Delta R.T. -0.018 min

Lab File: BM050456.D

Acq: 15 Jul 2025 15:31

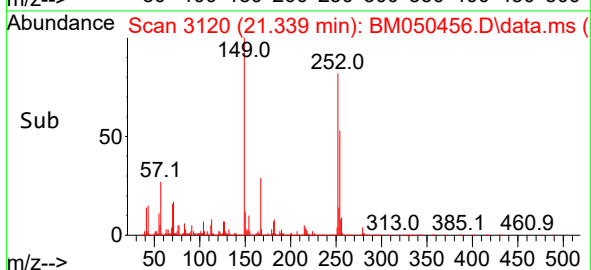
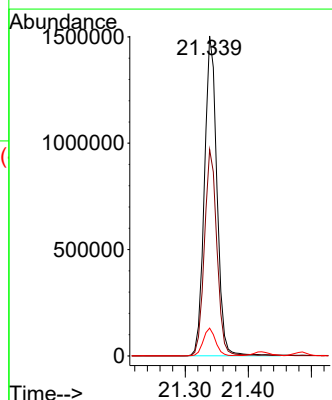
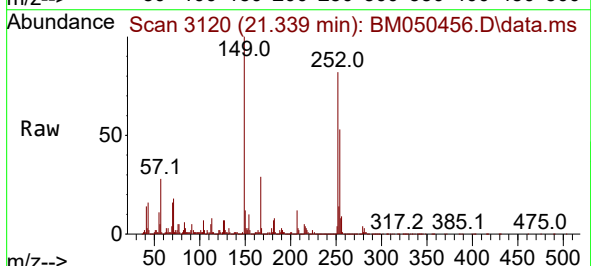
Tgt Ion:252 Resp: 2069707

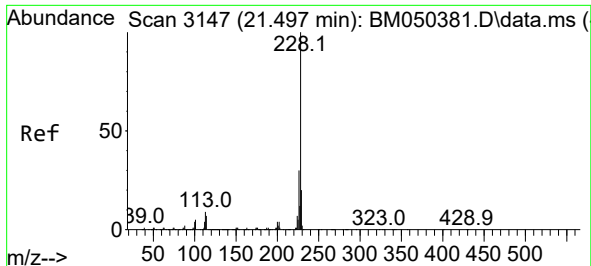
Ion Ratio Lower Upper

252 100

254 64.5 51.7 77.5

126 8.7 7.3 10.9





#83

Chrysene

Concen: 42.852 ng

RT: 21.486 min Scan# 3145

Delta R.T. -0.012 min

Lab File: BM050456.D

Acq: 15 Jul 2025 15:31

Instrument :

BNA_M

ClientSampleId :

TP-18MSD

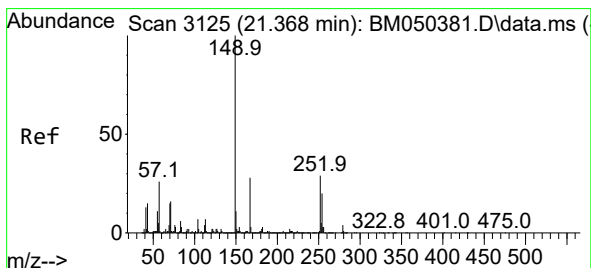
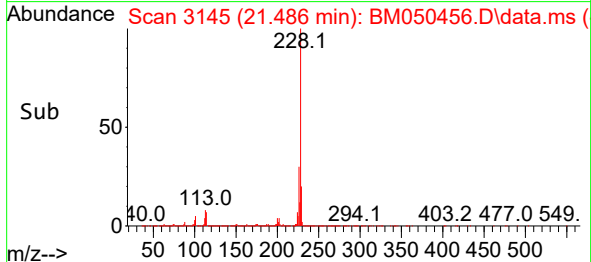
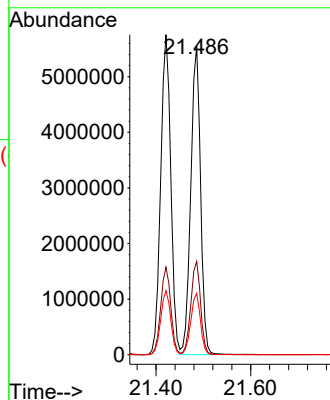
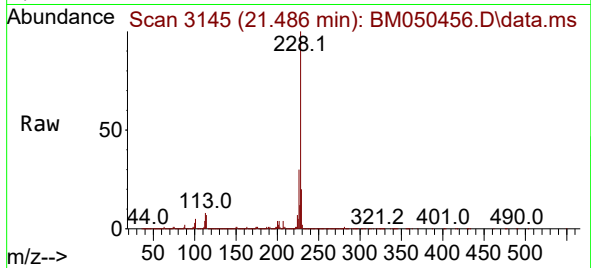
Tgt Ion:228 Resp: 7958393

Ion Ratio Lower Upper

228 100

226 30.2 24.2 36.4

229 19.9 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 46.905 ng

RT: 21.350 min Scan# 3122

Delta R.T. -0.018 min

Lab File: BM050456.D

Acq: 15 Jul 2025 15:31

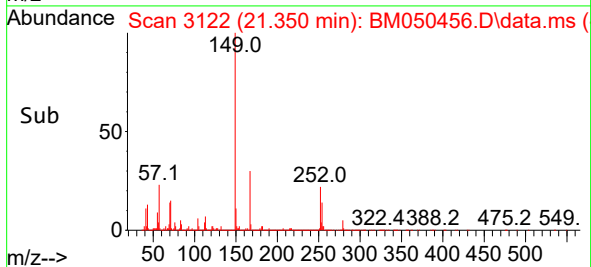
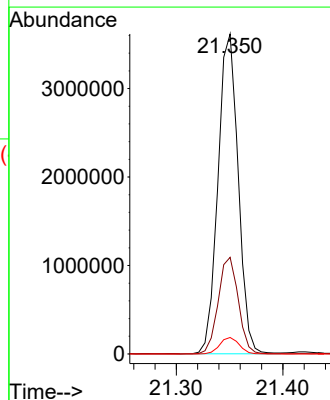
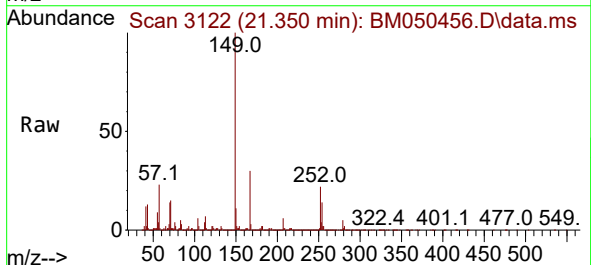
Tgt Ion:149 Resp: 4751750

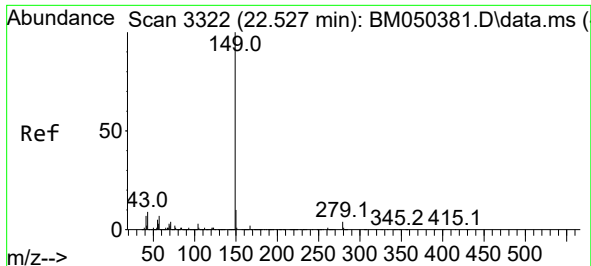
Ion Ratio Lower Upper

149 100

167 30.2 22.7 34.1

279 5.2 3.5 5.3

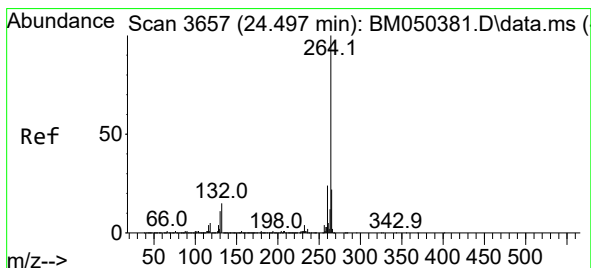
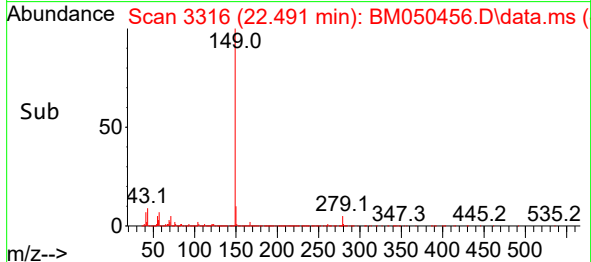
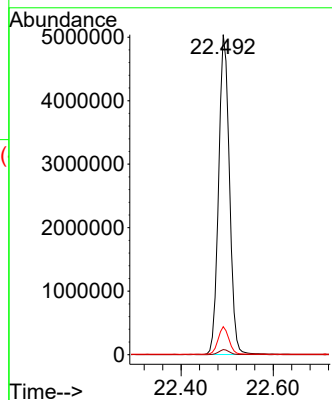
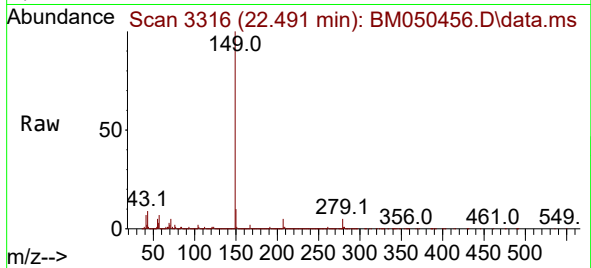




#85
Di-n-octyl phthalate
Concen: 51.529 ng
RT: 22.491 min Scan# 31
Delta R.T. -0.035 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

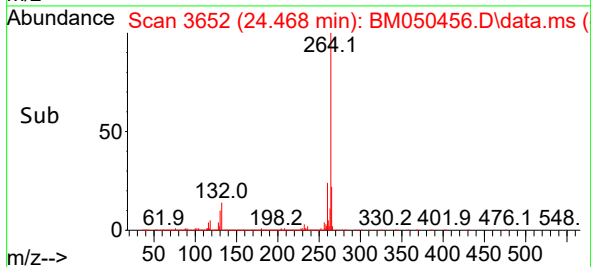
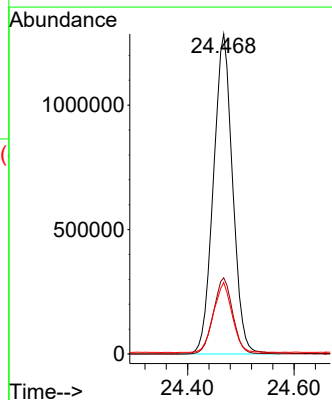
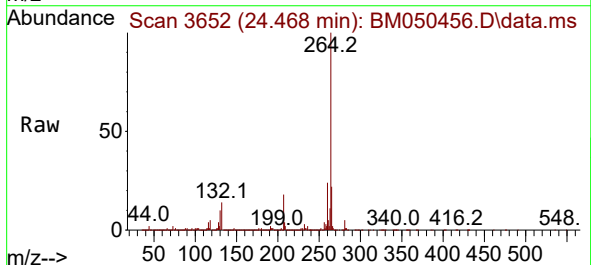
Instrument :
BNA_M
ClientSampleId :
TP-18MSD

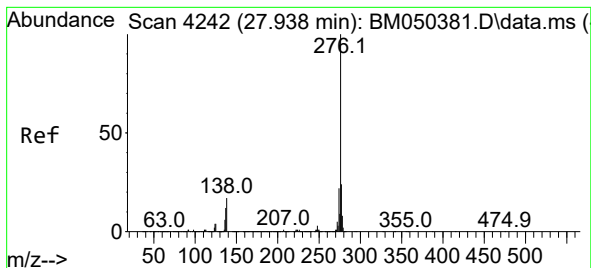
Tgt Ion:149 Resp: 8175865
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.6 7.7 11.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.468 min Scan# 3652
Delta R.T. -0.029 min
Lab File: BM050456.D
Acq: 15 Jul 2025 15:31

Tgt Ion:264 Resp: 3215714
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 22.3 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 44.739 ng

RT: 27.897 min Scan# 41

Delta R.T. -0.041 min

Lab File: BM050456.D

Acq: 15 Jul 2025 15:31

Instrument :

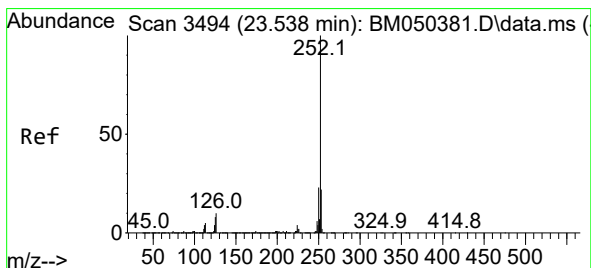
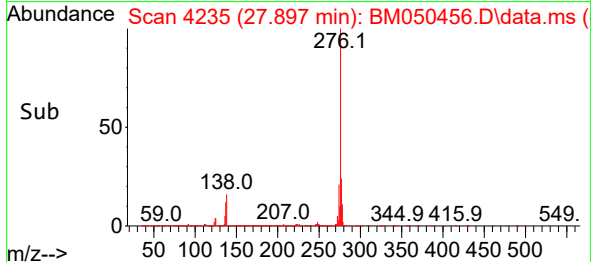
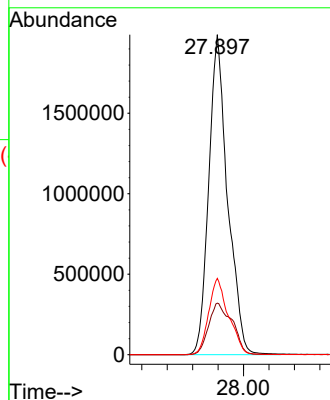
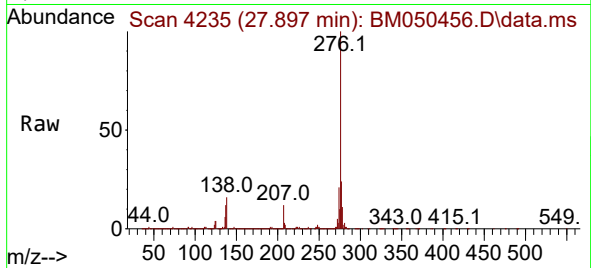
BNA_M

ClientSampleId :

TP-18MSD

Tgt Ion:276 Resp:10228808

Ion	Ratio	Lower	Upper
276	100		
138	20.2	17.0	25.6
277	25.1	20.0	30.0



#88

Benzo(b)fluoranthene

Concen: 43.524 ng

RT: 23.509 min Scan# 3489

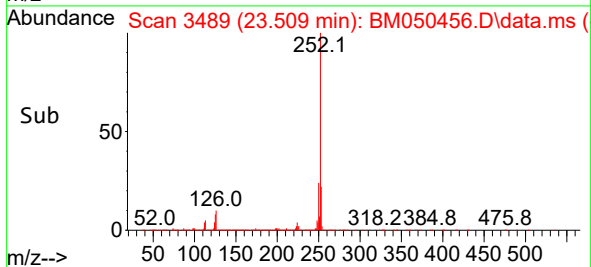
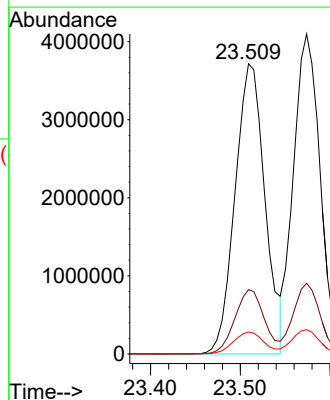
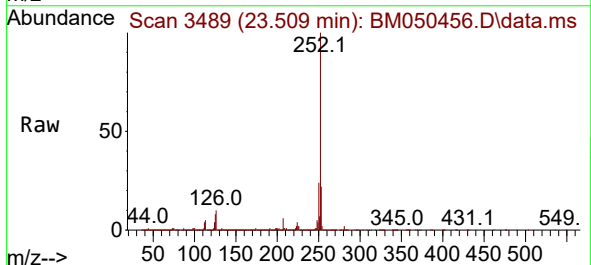
Delta R.T. -0.029 min

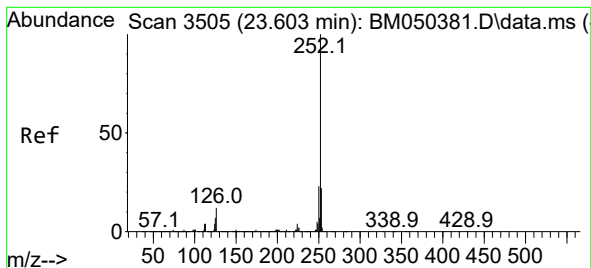
Lab File: BM050456.D

Acq: 15 Jul 2025 15:31

Tgt Ion:252 Resp: 8609026

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	7.6	6.3	9.5





#89

Benzo(k)fluoranthene

Concen: 41.256 ng

RT: 23.574 min Scan# 3

Delta R.T. -0.029 min

Lab File: BM050456.D

Acq: 15 Jul 2025 15:31

Instrument :

BNA_M

ClientSampleId :

TP-18MSD

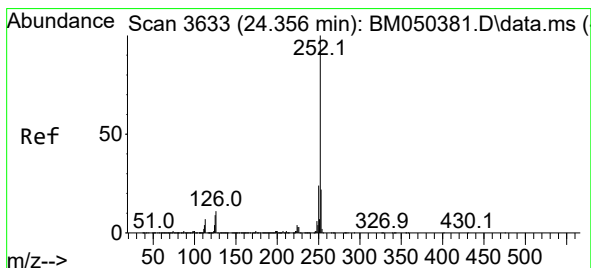
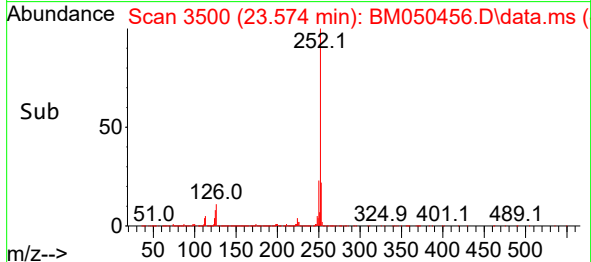
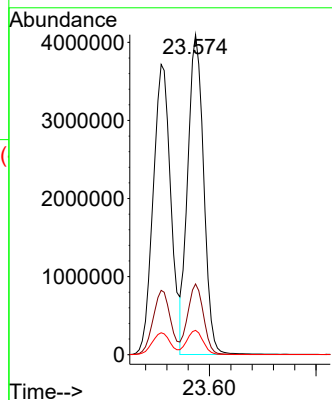
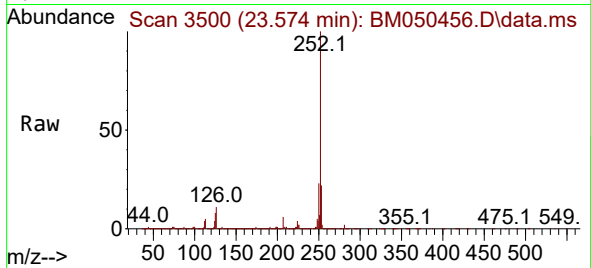
Tgt Ion:252 Resp: 8467463

Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

125 7.6 6.2 9.2



#90

Benzo(a)pyrene

Concen: 43.684 ng

RT: 24.327 min Scan# 3628

Delta R.T. -0.029 min

Lab File: BM050456.D

Acq: 15 Jul 2025 15:31

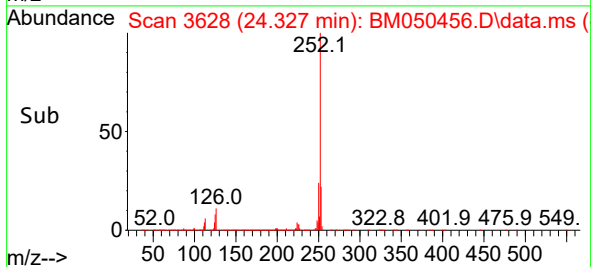
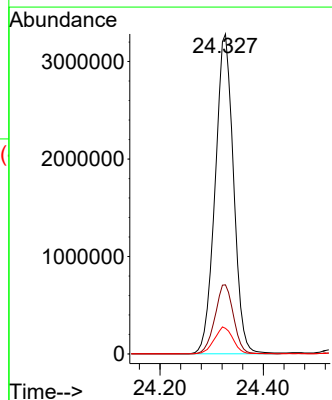
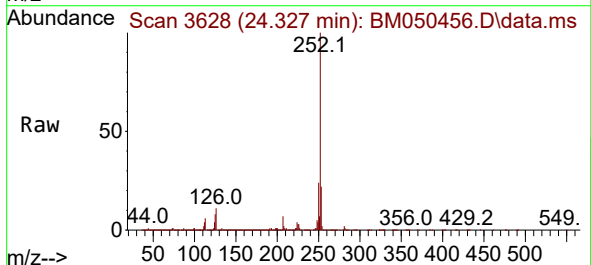
Tgt Ion:252 Resp: 8088464

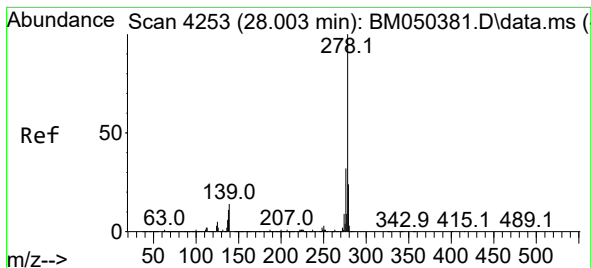
Ion Ratio Lower Upper

252 100

253 21.6 17.8 26.6

125 8.0 7.0 10.4





#91

Dibenzo(a,h)anthracene

Concen: 44.237 ng

RT: 27.956 min Scan# 41

Delta R.T. -0.047 min

Lab File: BM050456.D

Acq: 15 Jul 2025 15:31

Instrument :

BNA_M

ClientSampleId :

TP-18MSD

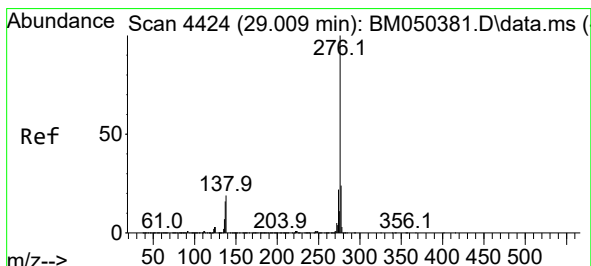
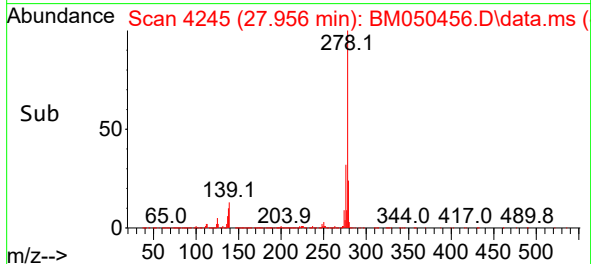
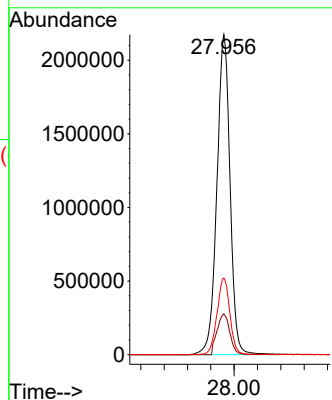
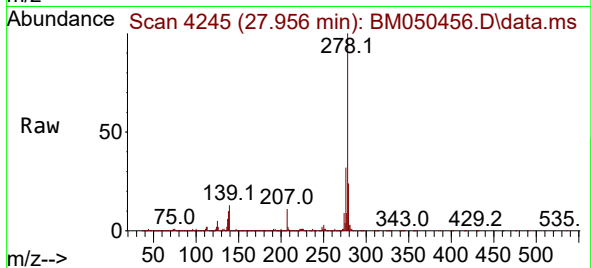
Tgt Ion:278 Resp: 8517741

Ion Ratio Lower Upper

278 100

139 12.8 10.8 16.2

279 24.0 19.4 29.0



#92

Benzo(g,h,i)perylene

Concen: 44.553 ng

RT: 28.968 min Scan# 4417

Delta R.T. -0.041 min

Lab File: BM050456.D

Acq: 15 Jul 2025 15:31

Tgt Ion:276 Resp: 8107902

Ion Ratio Lower Upper

276 100

277 23.6 19.1 28.7

138 18.0 14.9 22.3

