

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
 Data File : BM050316.D
 Acq On : 14 Jun 2025 02:21
 Operator : RC/JU
 Sample : PB168473BS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB168473BS

Quant Time: Jun 14 03:41:01 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 09 11:54:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	445397	20.000	ng	0.00
21) Naphthalene-d8	10.546	136	1717062	20.000	ng	-0.01
39) Acenaphthene-d10	14.392	164	940759	20.000	ng	0.00
64) Phenanthrene-d10	17.127	188	1652102	20.000	ng	-0.01
76) Chrysene-d12	21.357	240	1607876	20.000	ng	-0.02
86) Perylene-d12	24.327	264	1691583	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.358	112	3730689	139.725	ng	0.00
7) Phenol-d6	6.934	99	4595024	130.733	ng	0.00
23) Nitrobenzene-d5	8.916	82	2863629	86.737	ng	0.00
42) 2,4,6-Tribromophenol	15.875	330	1498183	140.011	ng	0.00
45) 2-Fluorobiphenyl	13.016	172	5783402	83.229	ng	-0.01
79) Terphenyl-d14	19.757	244	7403178	87.253	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.275	88	463891	39.636	ng	94
3) Pyridine	3.670	79	1286886	42.459	ng	97
4) n-Nitrosodimethylamine	3.575	42	302803	48.314	ng	95
6) Aniline	7.093	93	1531555	32.961	ng	98
8) 2-Chlorophenol	7.328	128	1420735	48.375	ng	97
9) Benzaldehyde	6.899	77	681004	30.474	ng	97
10) Phenol	6.958	94	1765313	47.468	ng	98
11) bis(2-Chloroethyl)ether	7.187	93	1435662	47.995	ng	96
12) 1,3-Dichlorobenzene	7.652	146	1515456	46.157	ng	98
13) 1,4-Dichlorobenzene	7.799	146	1554381	45.502	ng	99
14) 1,2-Dichlorobenzene	8.110	146	1493087	45.848	ng	99
15) Benzyl Alcohol	7.999	79	1142592	45.578	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.287	45	1097770	52.829	ng	93
17) 2-Methylphenol	8.205	107	1131230	46.101	ng	100
18) Hexachloroethane	8.840	117	600081	48.506	ng	95
19) n-Nitroso-di-n-propyla...	8.569	70	992868	46.161	ng	99
20) 3+4-Methylphenols	8.528	107	1488301	45.335	ng	98
22) Acetophenone	8.581	105	2041495	47.590	ng	# 98
24) Nitrobenzene	8.952	77	1520042	50.623	ng	97
25) Isophorone	9.487	82	2670938	46.872	ng	99
26) 2-Nitrophenol	9.663	139	631539	48.725	ng	96
27) 2,4-Dimethylphenol	9.728	122	1230997	46.224	ng	99
28) bis(2-Chloroethoxy)met...	9.963	93	1811939	48.673	ng	99
29) 2,4-Dichlorophenol	10.198	162	1156951	46.946	ng	98
30) 1,2,4-Trichlorobenzene	10.416	180	1302699	47.502	ng	99
31) Naphthalene	10.598	128	4106370	46.255	ng	99
32) Benzoic acid	9.857	122	726205	43.390	ng	95
33) 4-Chloroaniline	10.704	127	577544	15.259	ng	98
34) Hexachlorobutadiene	10.893	225	771809	47.314	ng	100
35) Caprolactam	11.481	113	328647	42.063	ng	86
36) 4-Chloro-3-methylphenol	11.828	107	1182497	44.967	ng	97
37) 2-Methylnaphthalene	12.210	142	2474814	46.210	ng	99
38) 1-Methylnaphthalene	12.434	142	2561363	45.060	ng	100
40) 1,2,4,5-Tetrachloroben...	12.581	216	1346375	49.562	ng	99
41) Hexachlorocyclopentadiene	12.569	237	1791685	108.603	ng	98
43) 2,4,6-Trichlorophenol	12.822	196	880254	49.274	ng	99

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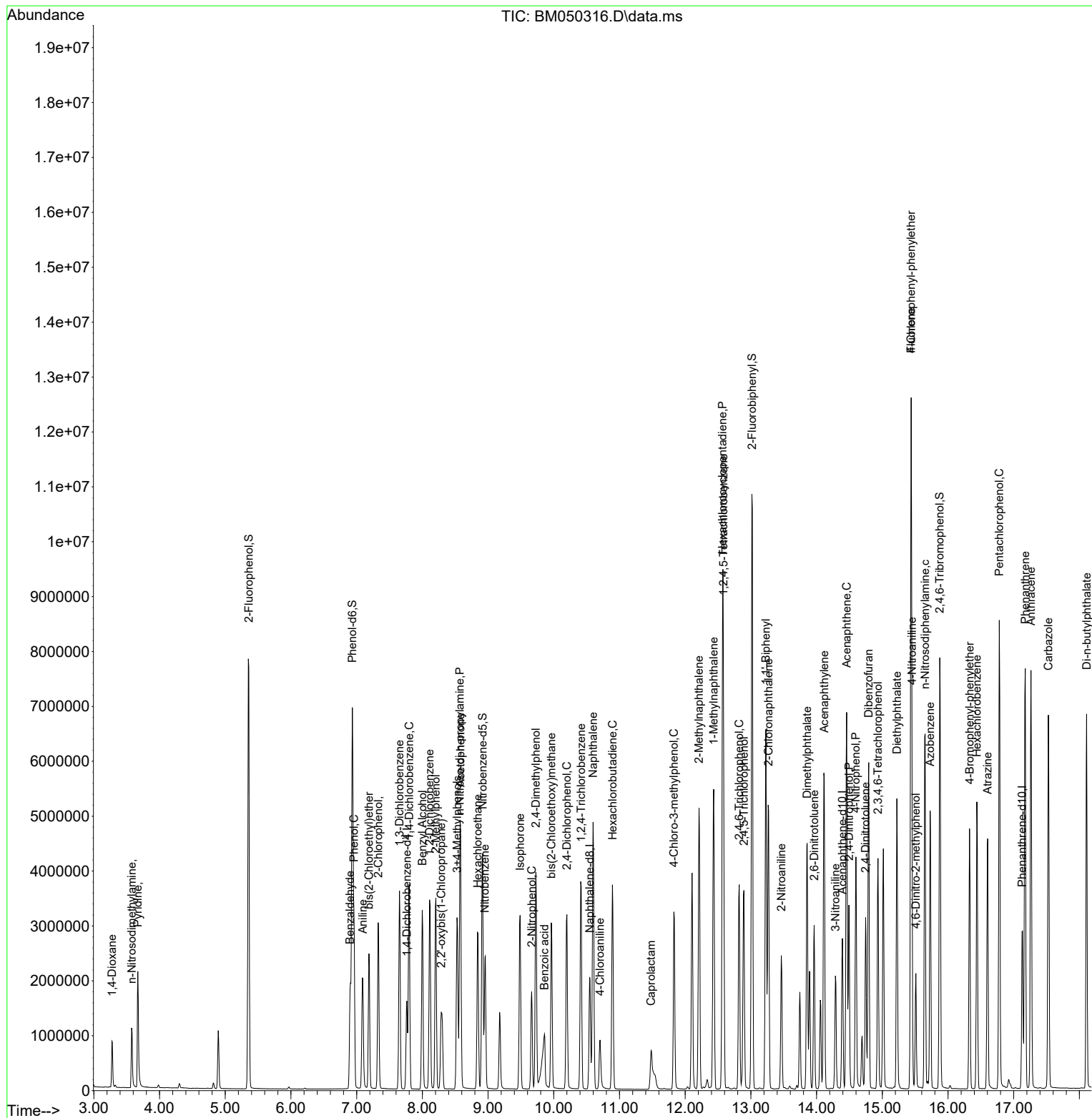
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.892	196	953937	48.635	ng	98
46) 1,1'-Biphenyl	13.228	154	3382388	48.016	ng	99
47) 2-Chloronaphthalene	13.269	162	2619748	47.836	ng	99
48) 2-Nitroaniline	13.463	65	649364	53.881	ng	91
49) Acenaphthylene	14.116	152	4190093	47.303	ng	99
50) Dimethylphthalate	13.857	163	2988324	46.969	ng	99
51) 2,6-Dinitrotoluene	13.963	165	636528	49.610	ng	94
52) Acenaphthene	14.457	154	2459465	44.391	ng	98
53) 3-Nitroaniline	14.286	138	556925	38.946	ng	98
54) 2,4-Dinitrophenol	14.492	184	708024	96.545	ng	96
55) Dibenzofuran	14.792	168	3798541	46.863	ng	100
56) 4-Nitrophenol	14.598	139	1262131	103.699	ng	97
57) 2,4-Dinitrotoluene	14.745	165	880594	52.028	ng	93
58) Fluorene	15.439	166	2959618	47.672	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.933	232	831704	49.011	ng	99
60) Diethylphthalate	15.222	149	3019772	47.836	ng	100
61) 4-Chlorophenyl-phenyle...	15.439	204	1433854	47.788	ng	97
62) 4-Nitroaniline	15.451	138	682879	50.951	ng	97
63) Azobenzene	15.728	77	3122251	49.484	ng	98
65) 4,6-Dinitro-2-methylph...	15.510	198	448869	49.744	ng	98
66) n-Nitrosodiphenylamine	15.651	169	2592834	49.948	ng	99
67) 4-Bromophenyl-phenylether	16.328	248	899987	51.084	ng	99
68) Hexachlorobenzene	16.439	284	1044940	50.765	ng	99
69) Atrazine	16.604	200	861323	52.075	ng	99
70) Pentachlorophenol	16.780	266	1422201	106.272	ng	100
71) Phenanthrene	17.175	178	4625253	49.007	ng	99
72) Anthracene	17.263	178	4675879	49.524	ng	100
73) Carbazole	17.527	167	4265267	49.587	ng	100
74) Di-n-butylphthalate	18.110	149	4918175	52.550	ng	100
75) Fluoranthene	19.186	202	4951978	49.754	ng	99
77) Benzidine	19.369	184	2422584	53.579	ng	100
78) Pyrene	19.545	202	5246503	48.412	ng	100
80) Butylbenzylphthalate	20.457	149	1963549	54.318	ng	99
81) Benzo(a)anthracene	21.339	228	5013077	49.258	ng	99
82) 3,3'-Dichlorobenzidine	21.262	252	1226204	39.510	ng	99
83) Chrysene	21.404	228	4775717	49.332	ng	100
84) Bis(2-ethylhexyl)phtha...	21.280	149	3016442	54.173	ng	99
85) Di-n-octyl phthalate	22.409	149	4678839	56.627	ng	99
87) Indeno(1,2,3-cd)pyrene	27.680	276	6314023	57.971	ng	100
88) Benzo(b)fluoranthene	23.392	252	4903475	49.858	ng	99
89) Benzo(k)fluoranthene	23.456	252	5099756	50.794	ng	100
90) Benzo(a)pyrene	24.192	252	4843305	52.377	ng	99
91) Dibenzo(a,h)anthracene	27.739	278	5154521	58.303	ng	99
92) Benzo(g,h,i)perylene	28.721	276	5218399	58.974	ng	99

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

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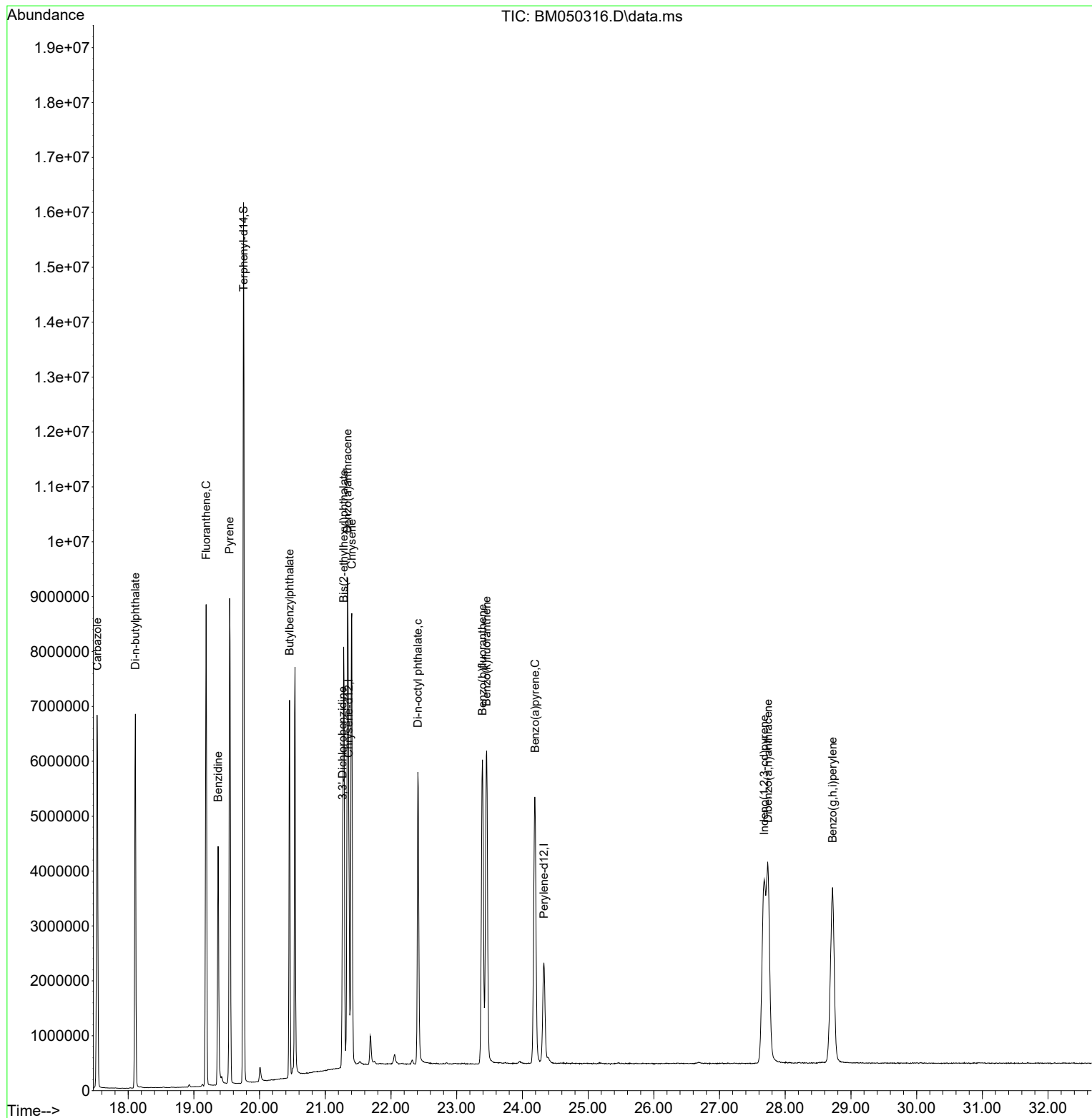
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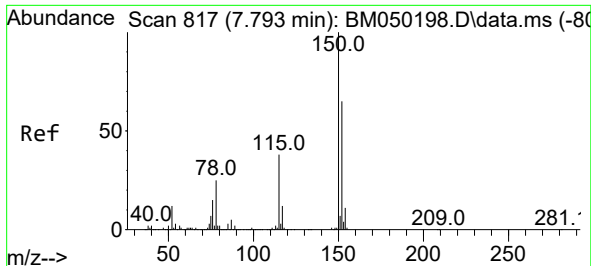


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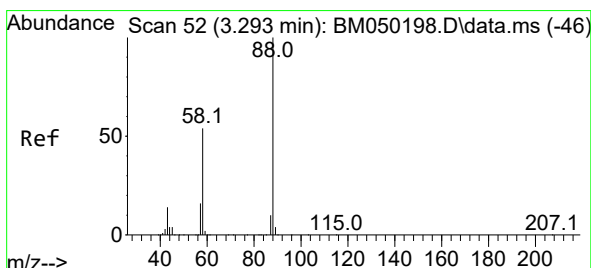
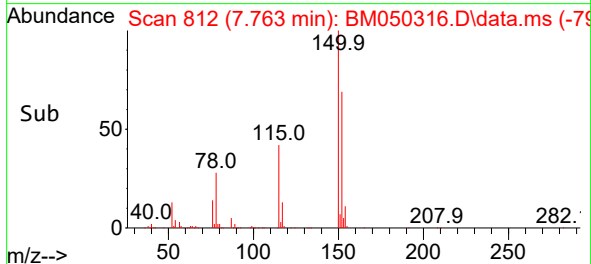
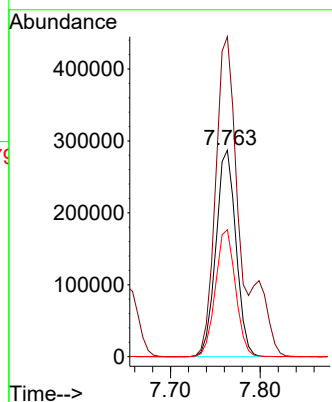
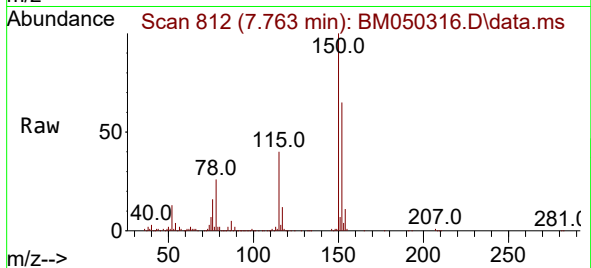




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM050316.D
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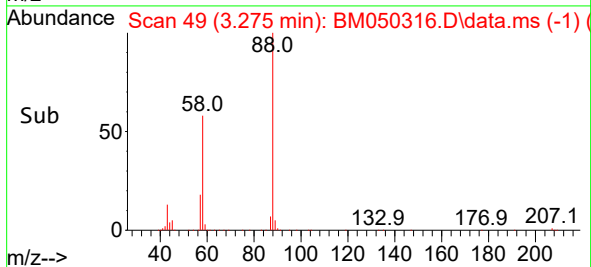
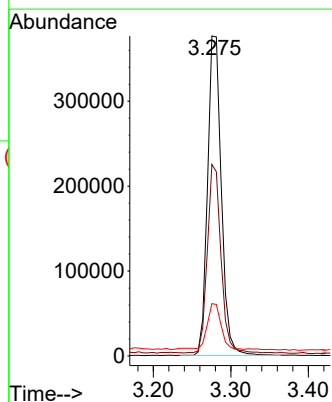
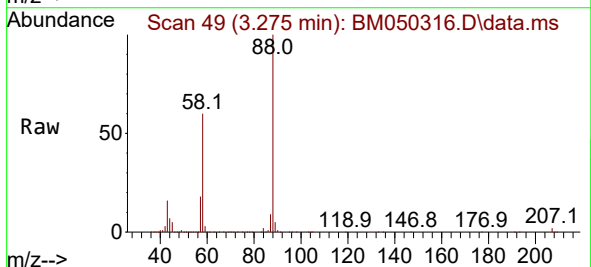
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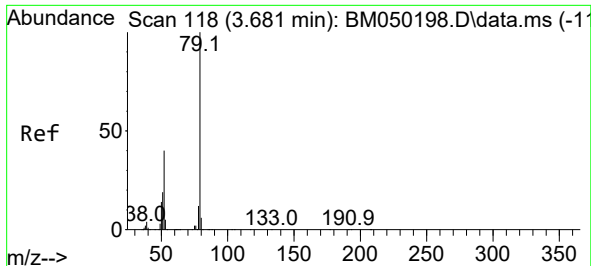
Tgt Ion:152 Resp: 445397
Ion Ratio Lower Upper
152 100
150 154.9 122.2 183.4
115 61.5 46.3 69.5



#2
1,4-Dioxane
Concen: 39.636 ng
RT: 3.275 min Scan# 49
Delta R.T. -0.006 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

Tgt Ion: 88 Resp: 463891
Ion Ratio Lower Upper
88 100
58 58.8 42.9 64.3
43 14.1 11.0 16.6

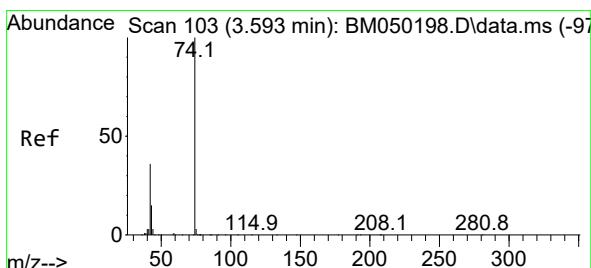
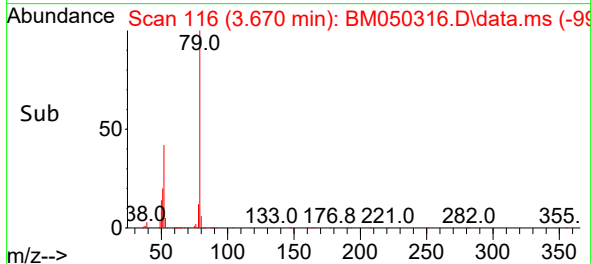
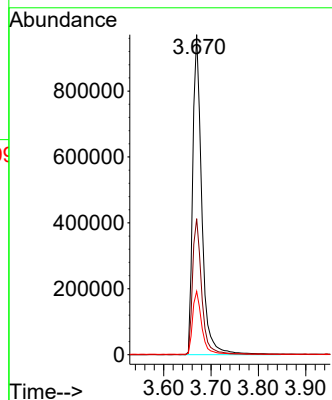
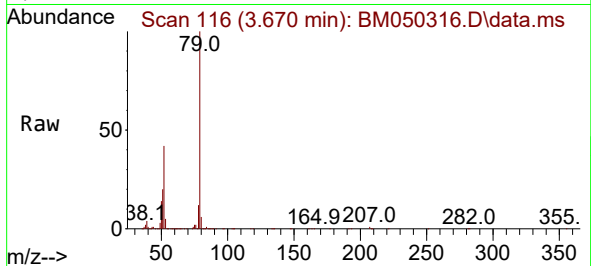




#3
 Pyridine
 Concen: 42.459 ng
 RT: 3.670 min Scan# 118
 Delta R.T. 0.000 min
 Lab File: BM050316.D
 Acq: 14 Jun 2025 02:21

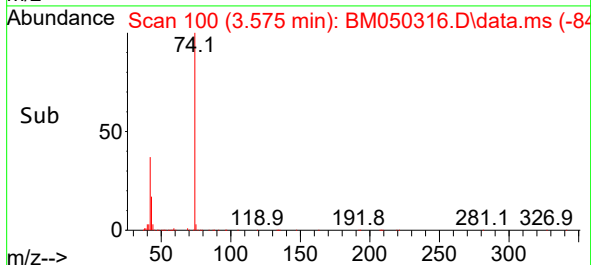
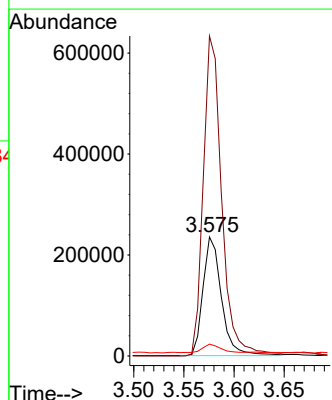
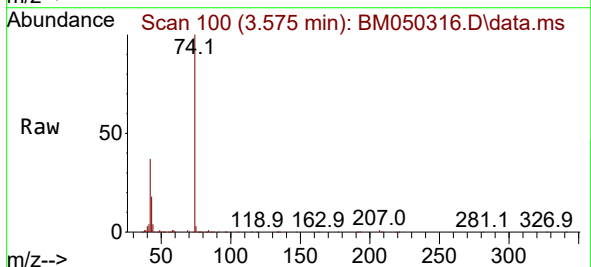
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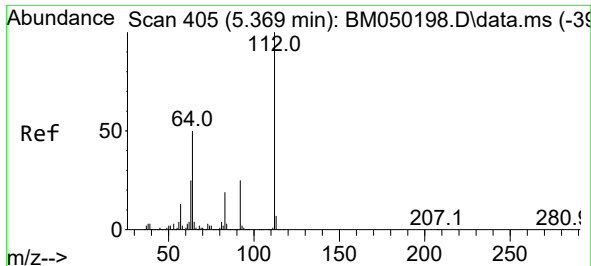
Tgt Ion: 79 Resp: 1286886
 Ion Ratio Lower Upper
 79 100
 52 42.5 32.1 48.1
 51 19.8 15.4 23.0



#4
 n-Nitrosodimethylamine
 Concen: 48.314 ng
 RT: 3.575 min Scan# 100
 Delta R.T. -0.006 min
 Lab File: BM050316.D
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Tgt Ion: 42 Resp: 302803
 Ion Ratio Lower Upper
 42 100
 74 268.9 222.0 333.0
 44 10.0 7.0 10.6

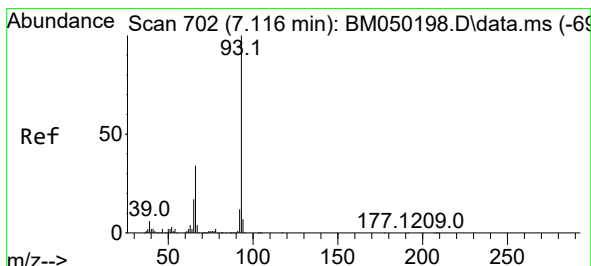
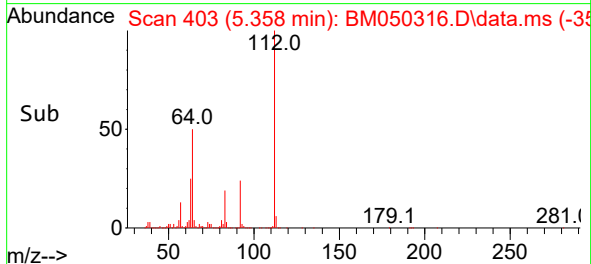
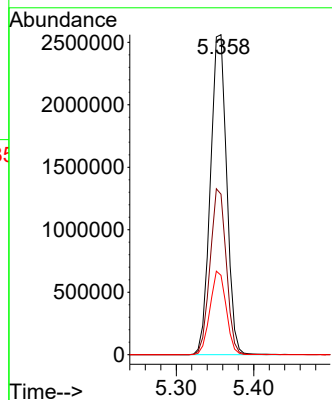
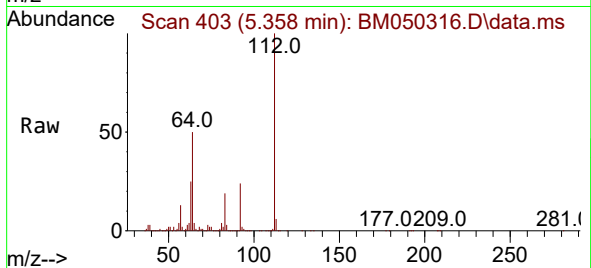




#5
2-Fluorophenol
Concen: 139.725 ng
RT: 5.358 min Scan# 405
Delta R.T. 0.000 min
Lab File: BM050316.D
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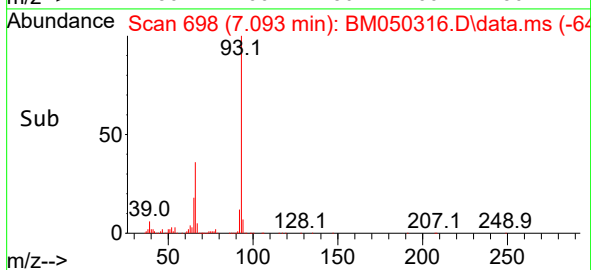
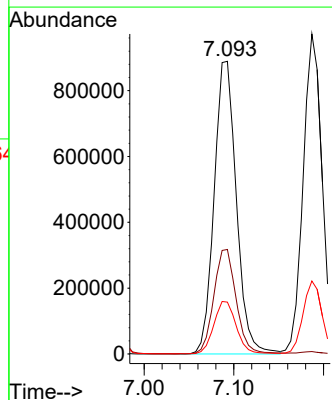
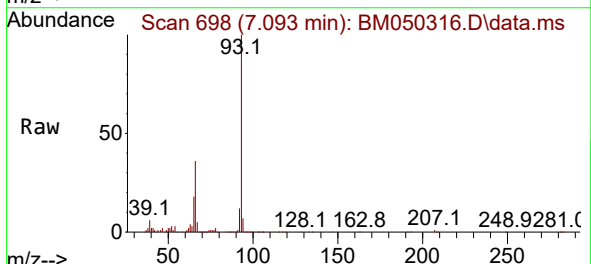
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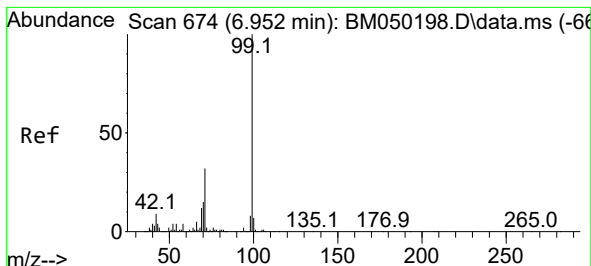
Tgt Ion:112 Resp: 3730689
Ion Ratio Lower Upper
112 100
64 50.1 39.8 59.6
63 24.8 19.8 29.8



#6
Aniline
Concen: 32.961 ng
RT: 7.093 min Scan# 698
Delta R.T. 0.000 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

Tgt Ion: 93 Resp: 1531555
Ion Ratio Lower Upper
93 100
66 35.7 27.4 41.2
65 17.7 13.6 20.4

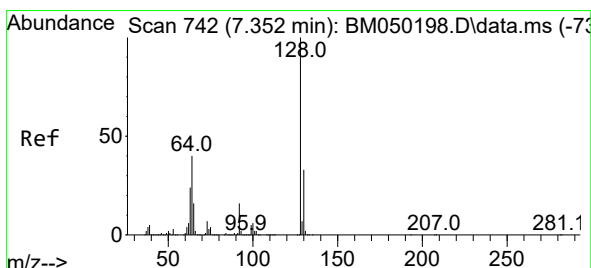
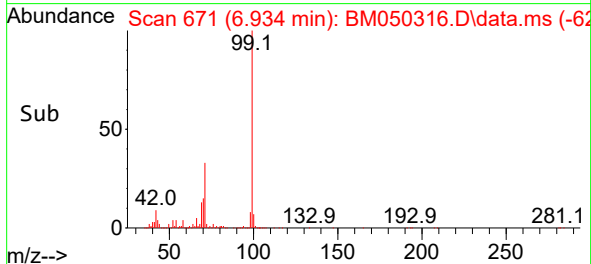
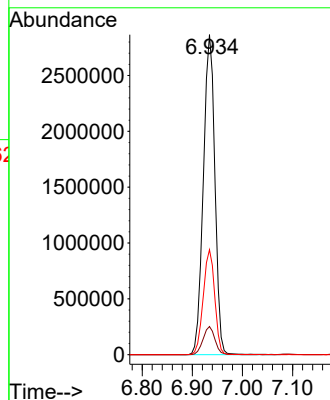
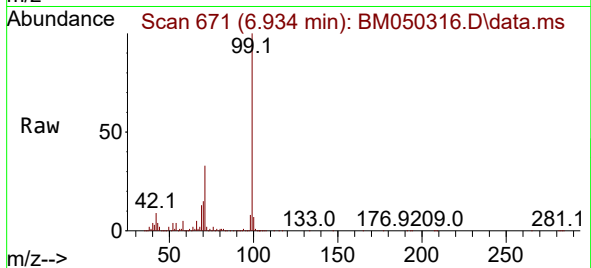




#7
Phenol-d6
Concen: 130.733 ng
RT: 6.934 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

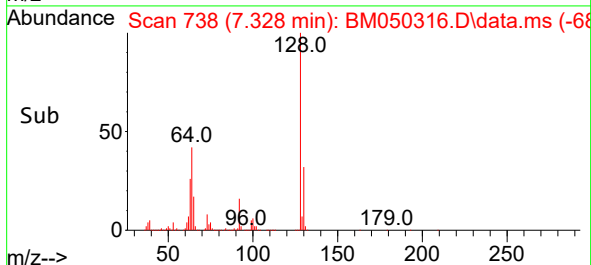
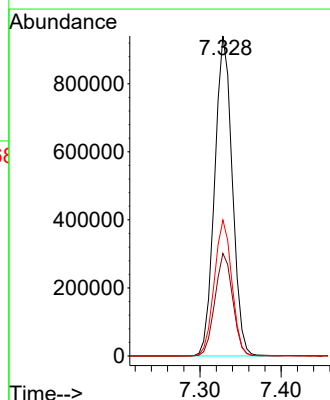
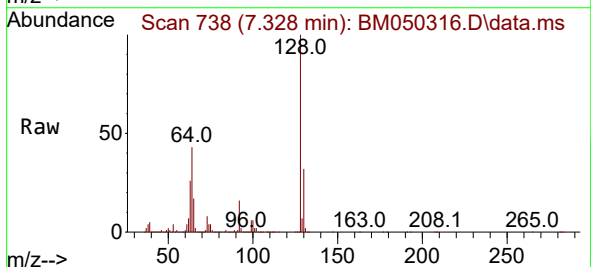
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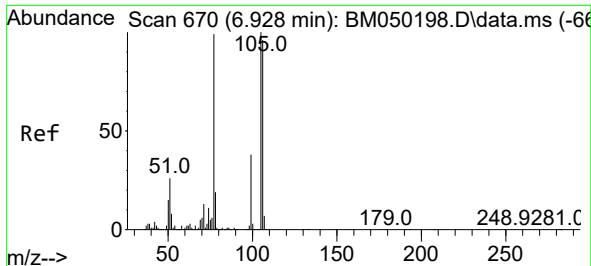
Tgt Ion: 99 Resp: 4595024
Ion Ratio Lower Upper
99 100
42 8.8 6.9 10.3
71 32.8 25.3 37.9



#8
2-Chlorophenol
Concen: 48.375 ng
RT: 7.328 min Scan# 738
Delta R.T. -0.006 min
Lab File: BM050316.D
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Tgt Ion: 128 Resp: 1420735
Ion Ratio Lower Upper
128 100
130 32.0 12.6 52.6
64 42.5 19.8 59.8

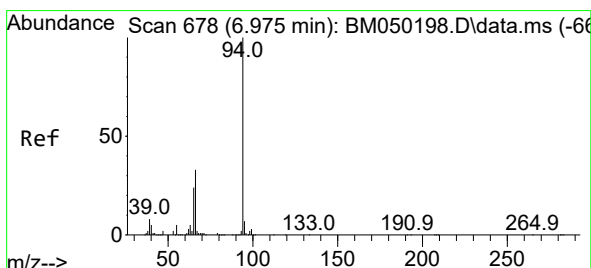
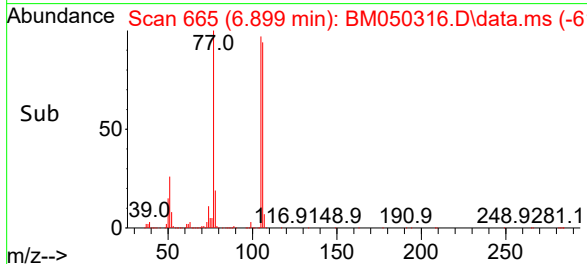
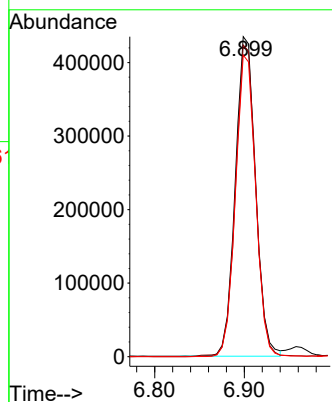
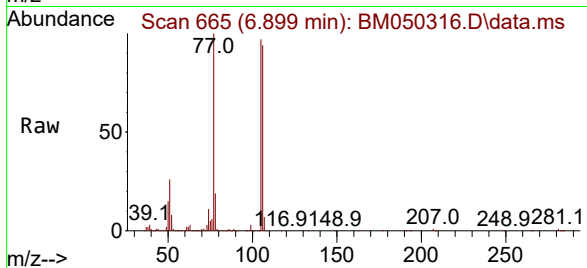




#9
Benzaldehyde
Concen: 30.474 ng
RT: 6.899 min Scan# 6
Delta R.T. -0.011 min
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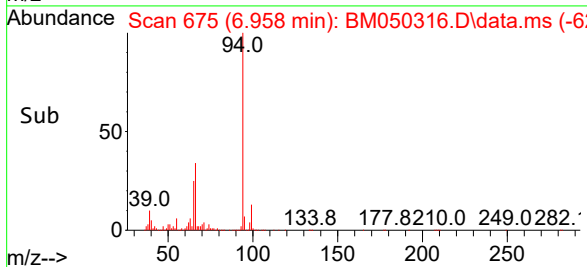
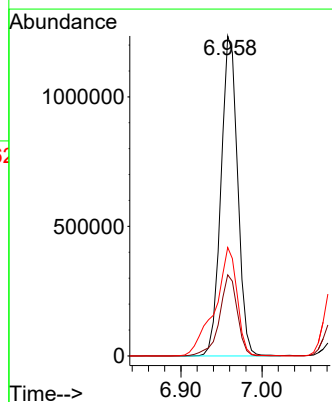
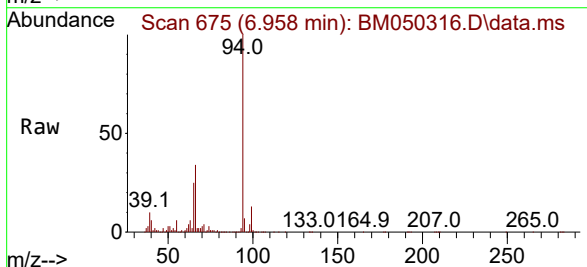
Instrument :
BNA_M
ClientSampleId :
PB168473BS

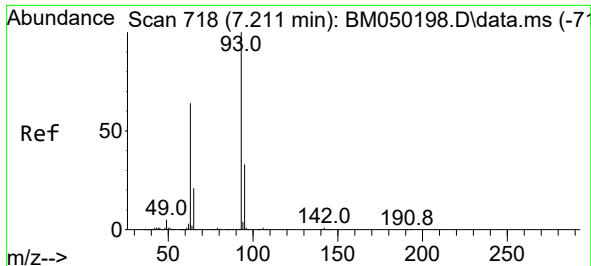
Tgt Ion: 77 Resp: 681004
Ion Ratio Lower Upper
77 100
105 97.4 80.9 120.9
106 94.2 77.1 117.1



#10
Phenol
Concen: 47.468 ng
RT: 6.958 min Scan# 675
Delta R.T. 0.000 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

Tgt Ion: 94 Resp: 1765313
Ion Ratio Lower Upper
94 100
65 25.3 4.3 44.3
66 33.9 12.9 52.9

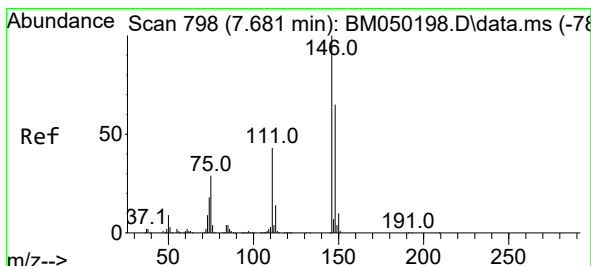
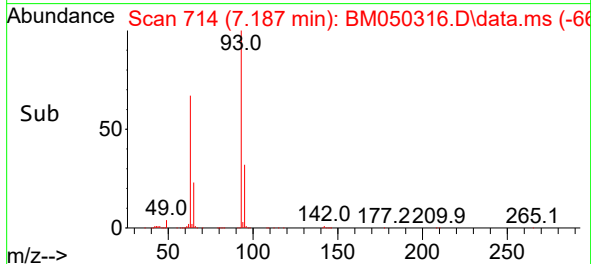
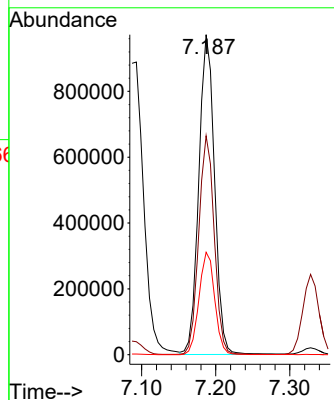
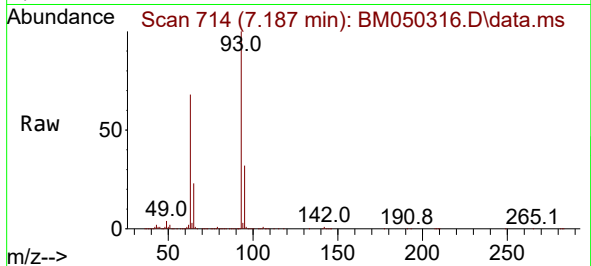




#11
bis(2-Chloroethyl)ether
Concen: 47.995 ng
RT: 7.187 min Scan# 714
Delta R.T. -0.006 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

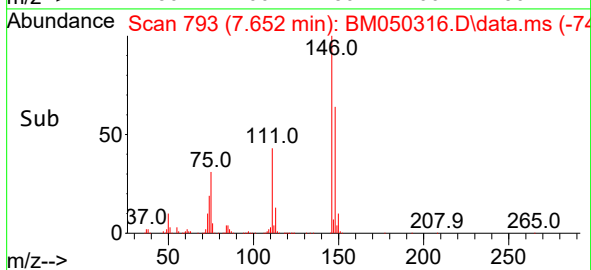
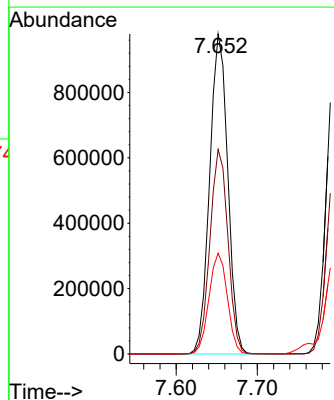
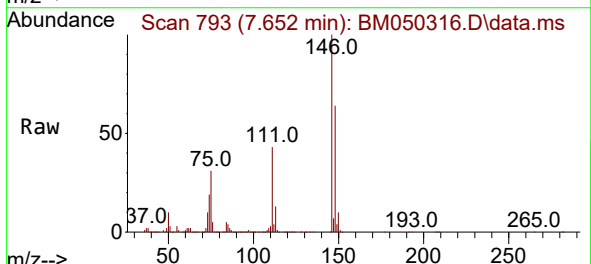
Instrument :
BNA_M
ClientSampleId :
PB168473BS

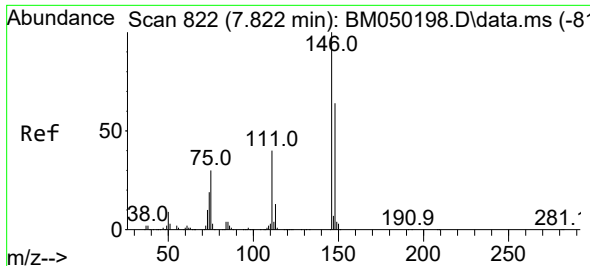
Tgt Ion: 93 Resp: 1435662
Ion Ratio Lower Upper
93 100
63 68.4 43.9 83.9
95 32.0 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 46.157 ng
RT: 7.652 min Scan# 793
Delta R.T. -0.006 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

Tgt Ion:146 Resp: 1515456
Ion Ratio Lower Upper
146 100
148 63.9 51.9 77.9
75 31.5 23.4 35.0

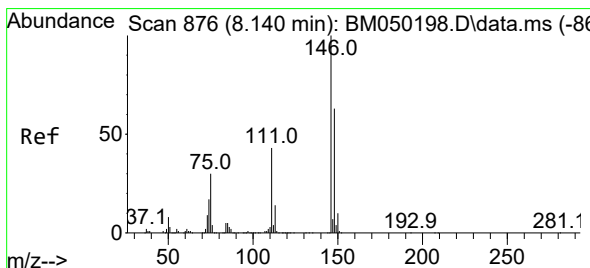
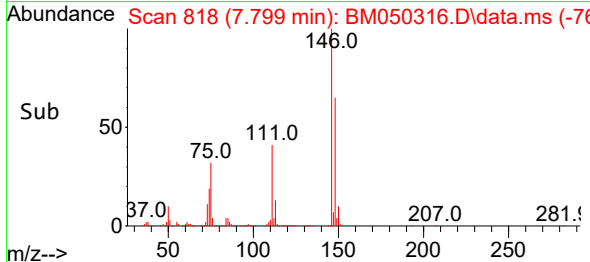
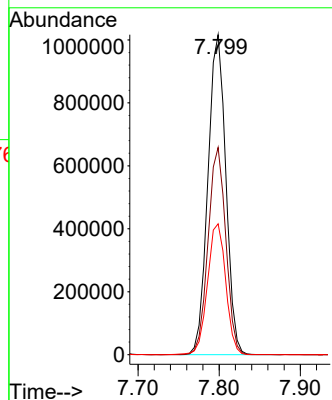
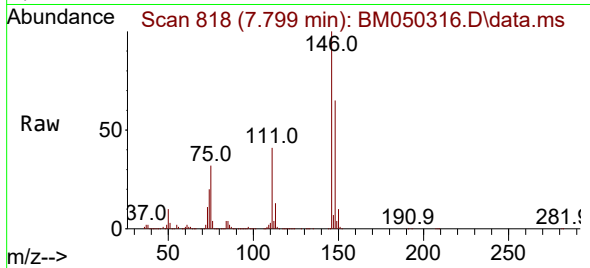




#13
1,4-Dichlorobenzene
Concen: 45.502 ng
RT: 7.799 min Scan# 818
Delta R.T. -0.006 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

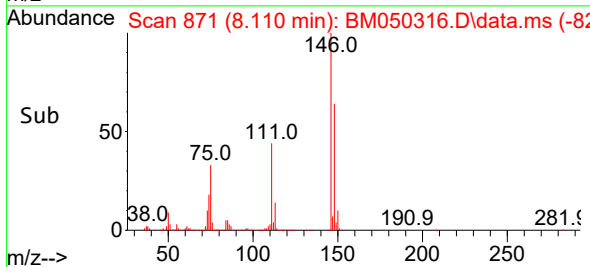
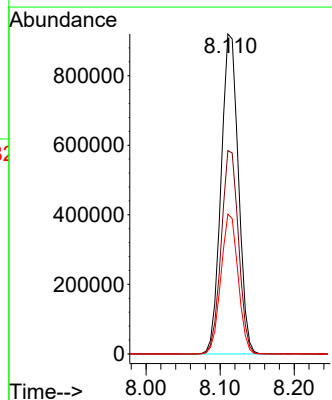
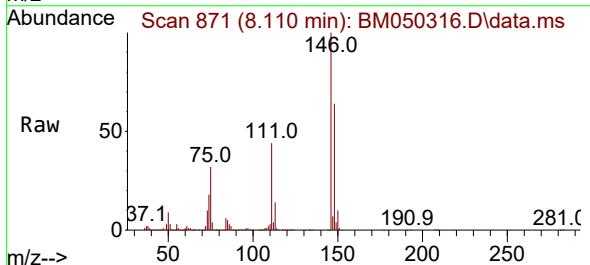
Instrument :
BNA_M
ClientSampleId :
PB168473BS

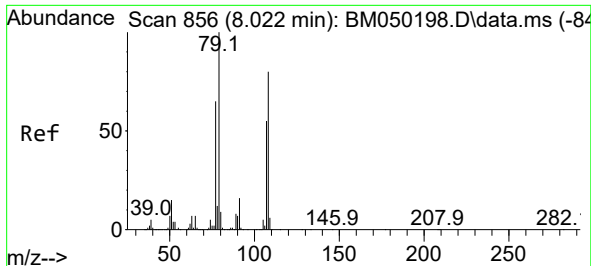
Tgt Ion:146 Resp: 1554381
Ion Ratio Lower Upper
146 100
148 64.7 51.4 77.0
111 40.9 32.3 48.5



#14
1,2-Dichlorobenzene
Concen: 45.848 ng
RT: 8.110 min Scan# 871
Delta R.T. -0.011 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

Tgt Ion:146 Resp: 1493087
Ion Ratio Lower Upper
146 100
148 63.6 50.4 75.6
111 43.7 34.3 51.5

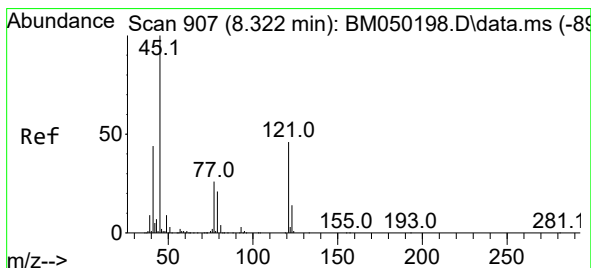
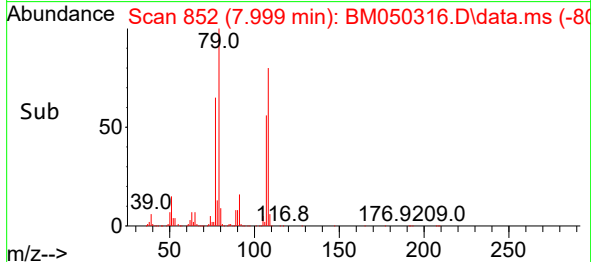
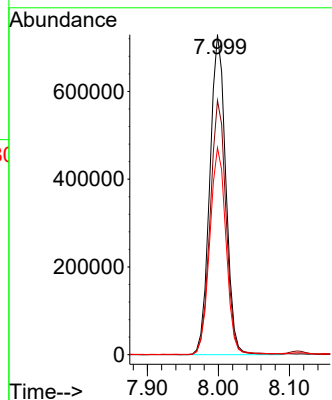
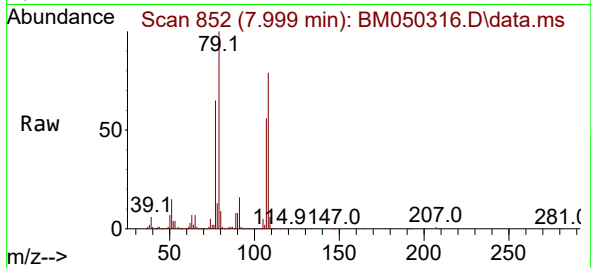




#15
Benzyl Alcohol
Concen: 45.578 ng
RT: 7.999 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

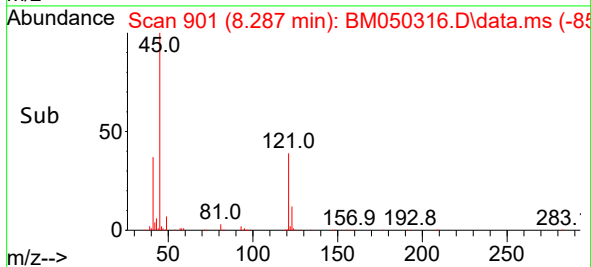
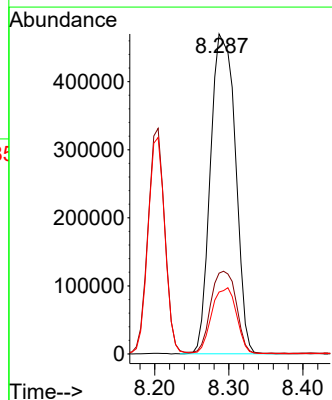
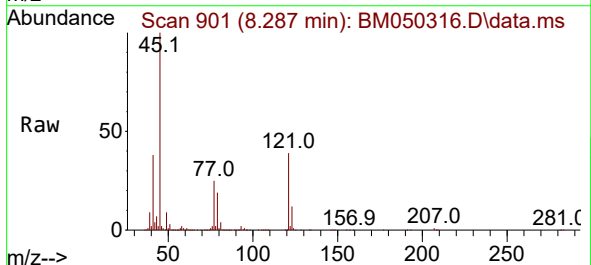
Instrument :
BNA_M
ClientSampleId :
PB168473BS

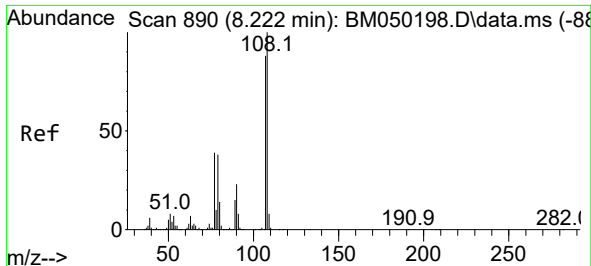
Tgt Ion: 79 Resp: 1142592
Ion Ratio Lower Upper
79 100
108 79.5 64.0 96.0
77 64.7 52.2 78.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 52.829 ng
RT: 8.287 min Scan# 901
Delta R.T. -0.006 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

Tgt Ion: 45 Resp: 1097770
Ion Ratio Lower Upper
45 100
77 25.3 8.7 48.7
79 19.4 2.7 42.7

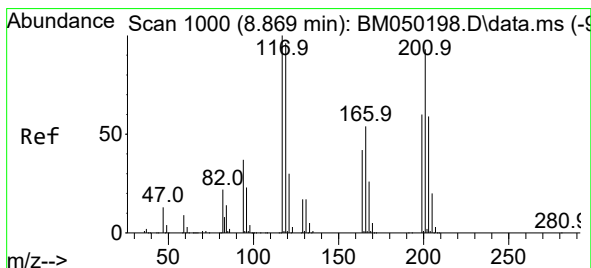
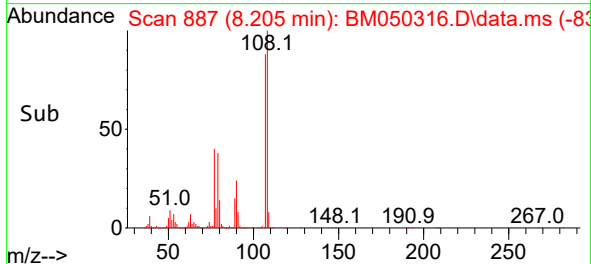
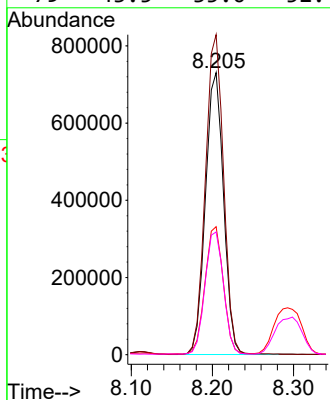
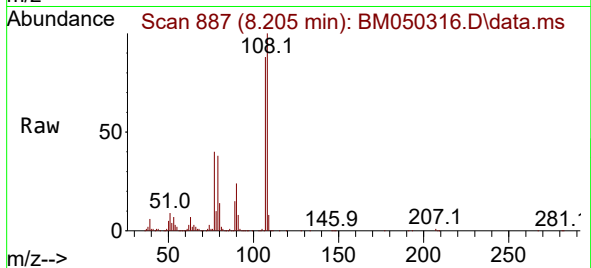




#17
2-Methylphenol
Concen: 46.101 ng
RT: 8.205 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

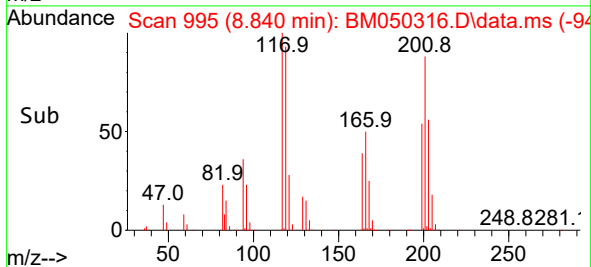
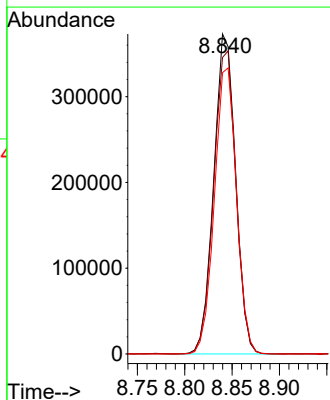
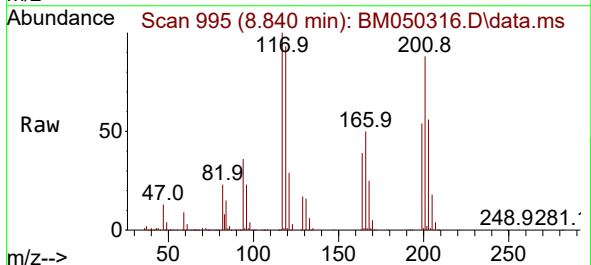
Instrument :
BNA_M
ClientSampleId :
PB168473BS

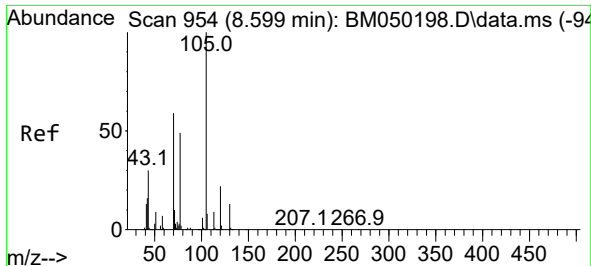
Tgt Ion:107 Resp: 1131230
Ion Ratio Lower Upper
107 100
108 113.4 90.8 136.2
77 45.3 35.7 53.5
79 43.5 35.0 52.4



#18
Hexachloroethane
Concen: 48.506 ng
RT: 8.840 min Scan# 995
Delta R.T. -0.011 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

Tgt Ion:117 Resp: 600081
Ion Ratio Lower Upper
117 100
119 92.6 77.0 115.6
201 87.9 74.6 111.8

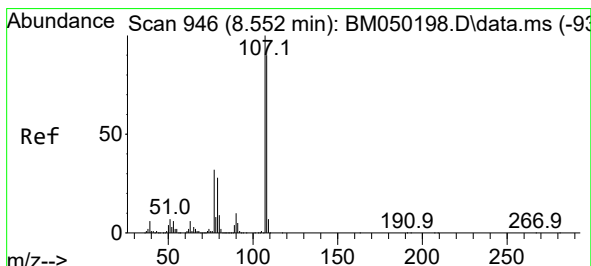
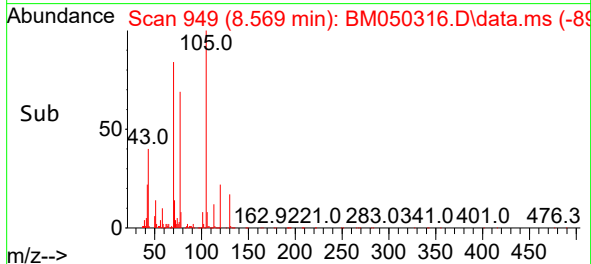
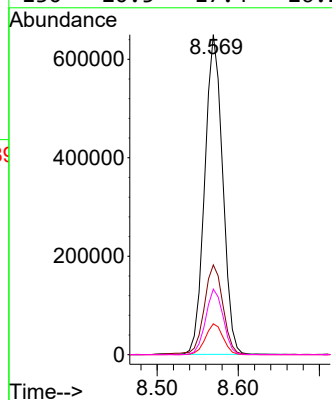
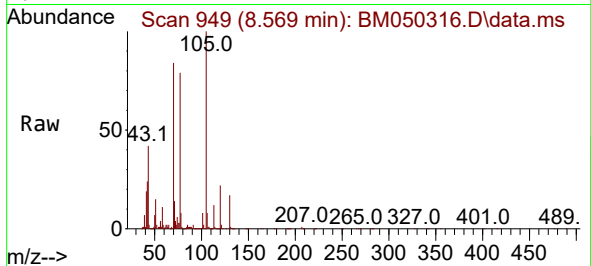




#19
n-Nitroso-di-n-propylamine
Concen: 46.161 ng
RT: 8.569 min Scan# 949
Delta R.T. -0.006 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

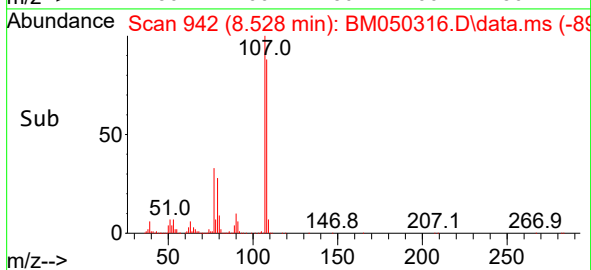
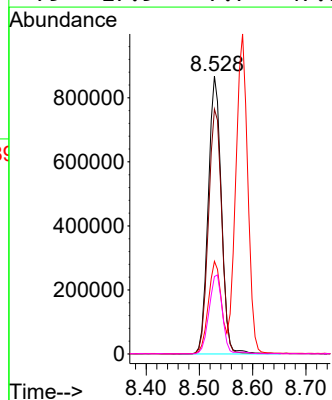
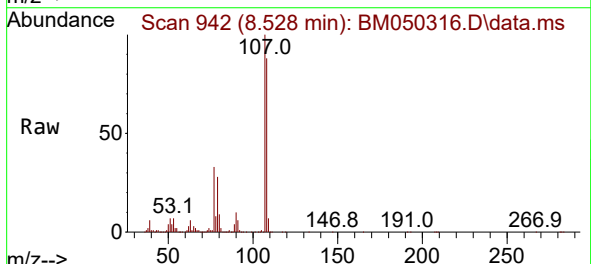
Instrument :
BNA_M
ClientSampleId :
PB168473BS

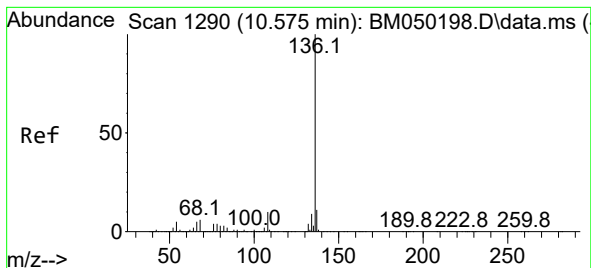
Tgt Ion: 70 Resp: 992868
Ion Ratio Lower Upper
70 100
42 28.1 22.6 33.8
101 9.7 8.3 12.5
130 20.5 17.4 26.2



#20
3+4-Methylphenols
Concen: 45.335 ng
RT: 8.528 min Scan# 942
Delta R.T. -0.006 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

Tgt Ion: 107 Resp: 1488301
Ion Ratio Lower Upper
107 100
108 88.1 70.4 110.4
77 33.3 12.2 52.2
79 27.9 7.7 47.7

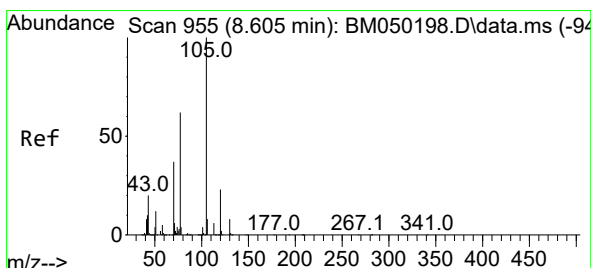
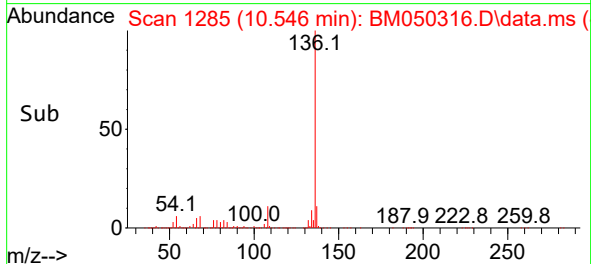
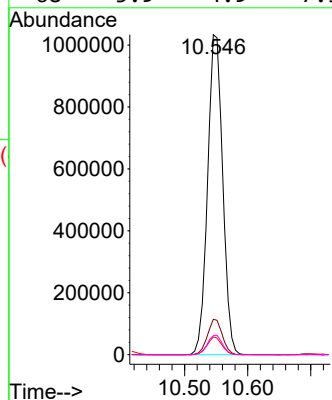
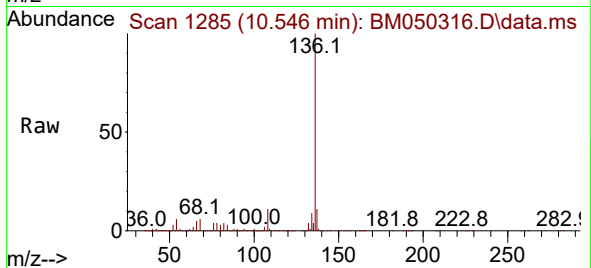




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.546 min Scan# 1
Delta R.T. -0.011 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

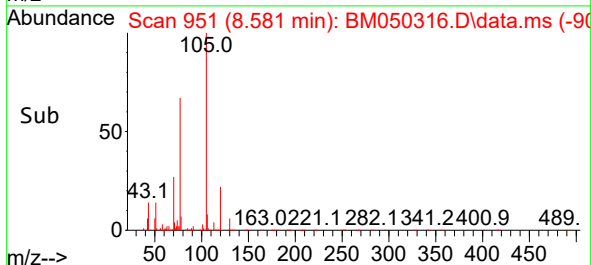
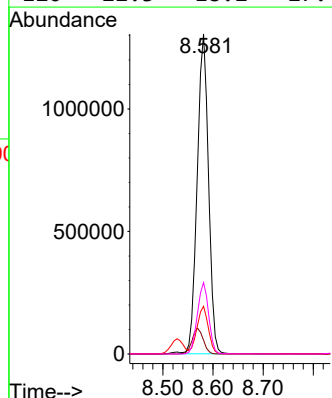
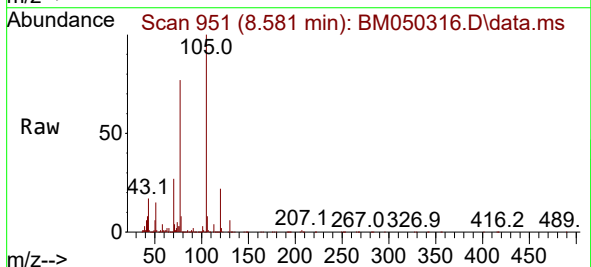
Instrument :
BNA_M
ClientSampleId :
PB168473BS

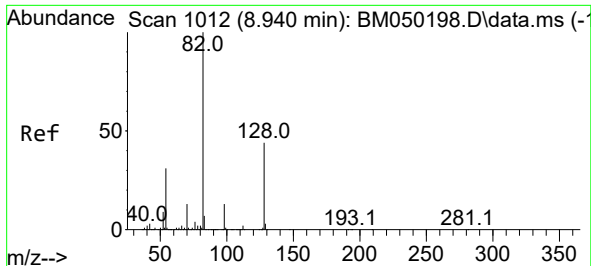
Tgt Ion:136 Resp: 1717062
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 5.5 3.8 5.8
68 5.9 4.9 7.3



#22
Acetophenone
Concen: 47.590 ng
RT: 8.581 min Scan# 951
Delta R.T. -0.006 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

Tgt Ion:105 Resp: 2041495
Ion Ratio Lower Upper
105 100
71 4.3 5.0 7.4#
51 14.9 11.4 17.2
120 22.3 18.2 27.4





#23

Nitrobenzene-d5

Concen: 86.737 ng

RT: 8.916 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BM050316.D

Acq: 14 Jun 2025 02:21

Instrument :

BNA_M

ClientSampleId :

PB168473BS

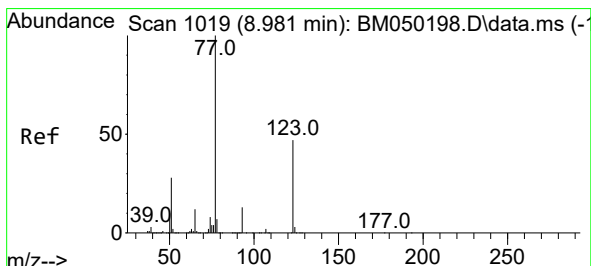
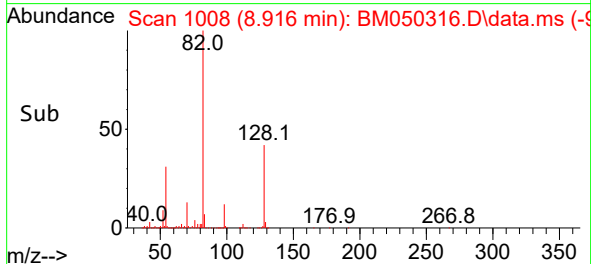
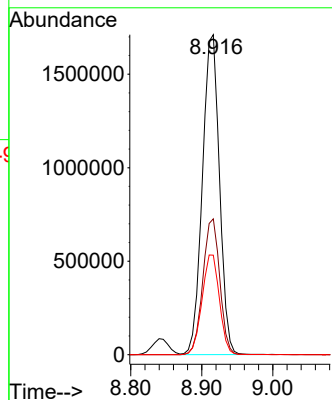
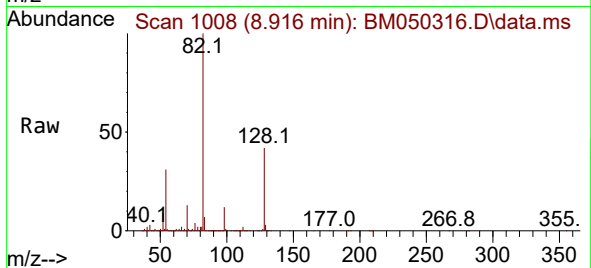
Tgt Ion: 82 Resp: 2863629

Ion Ratio Lower Upper

82 100

128 42.5 35.2 52.8

54 31.1 24.5 36.7



#24

Nitrobenzene

Concen: 50.623 ng

RT: 8.952 min Scan# 1014

Delta R.T. -0.011 min

Lab File: BM050316.D

Acq: 14 Jun 2025 02:21

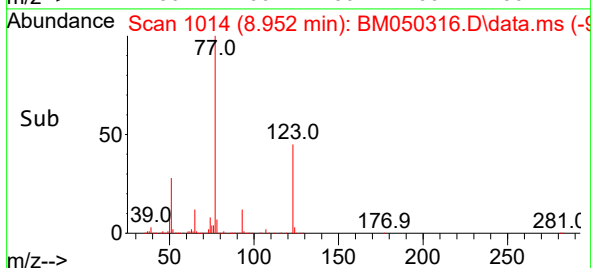
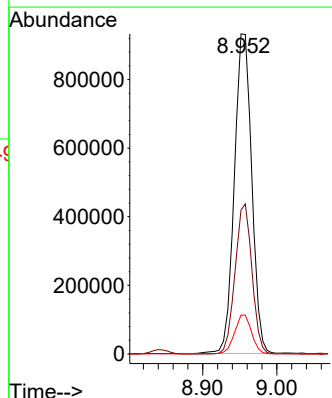
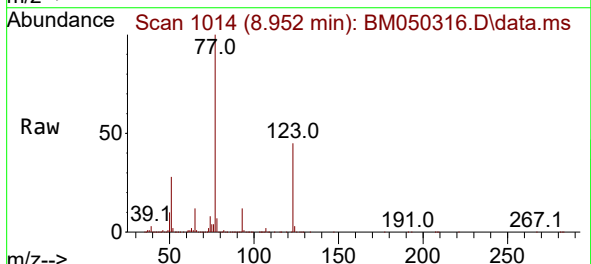
Tgt Ion: 77 Resp: 1520042

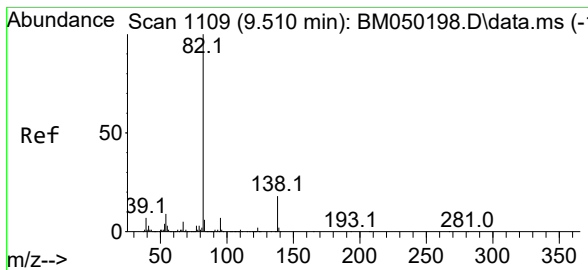
Ion Ratio Lower Upper

77 100

123 44.9 38.2 57.2

65 12.1 9.5 14.3

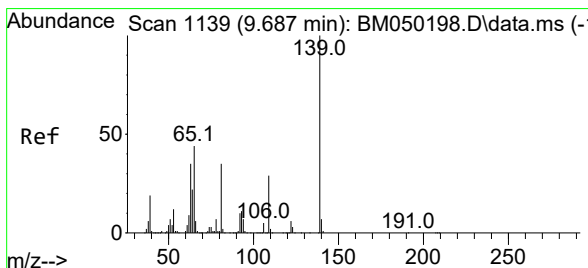
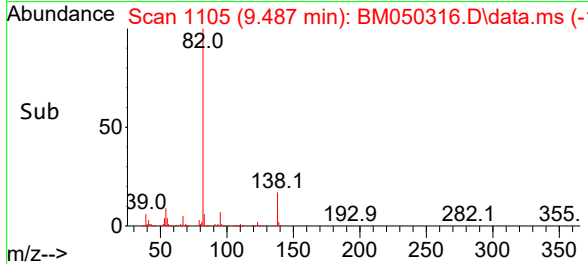
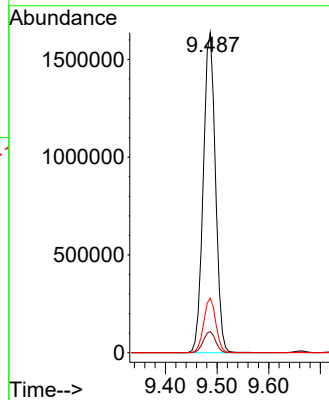
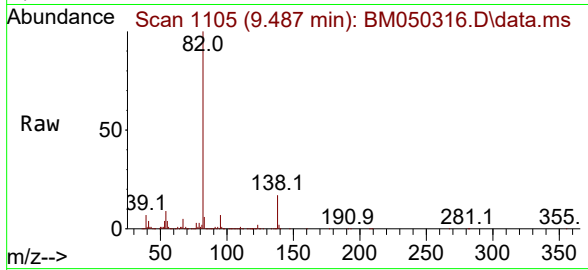




#25
Isophorone
Concen: 46.872 ng
RT: 9.487 min Scan# 1105
Delta R.T. 0.000 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

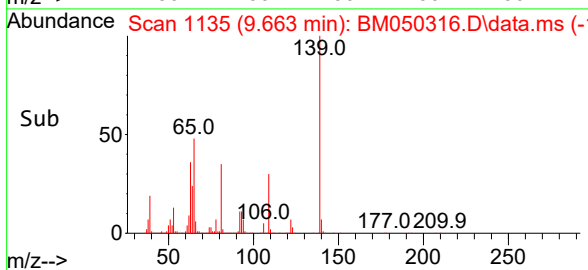
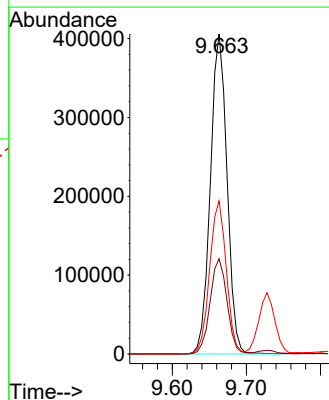
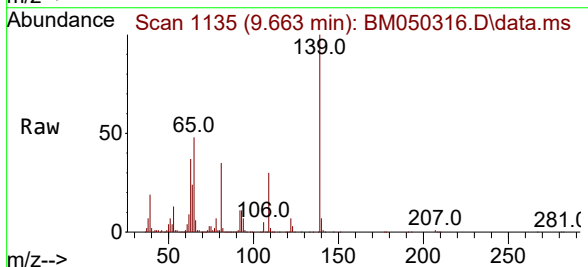
Instrument :
BNA_M
ClientSampleId :
PB168473BS

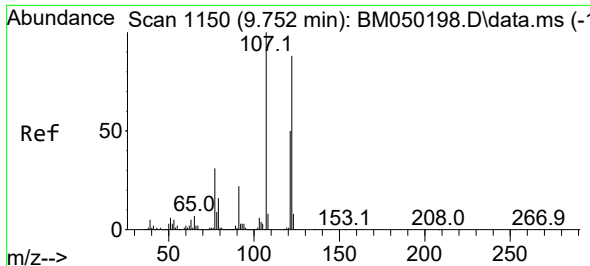
Tgt Ion: 82 Resp: 2670938
Ion Ratio Lower Upper
82 100
95 6.6 5.7 8.5
138 17.0 14.2 21.2



#26
2-Nitrophenol
Concen: 48.725 ng
RT: 9.663 min Scan# 1135
Delta R.T. -0.006 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

Tgt Ion:139 Resp: 631539
Ion Ratio Lower Upper
139 100
109 29.8 23.3 34.9
65 47.8 35.2 52.8

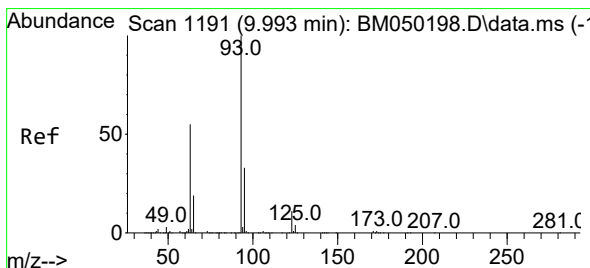
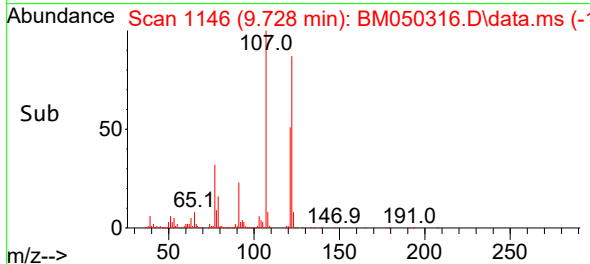
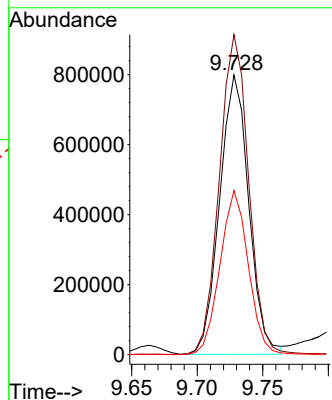
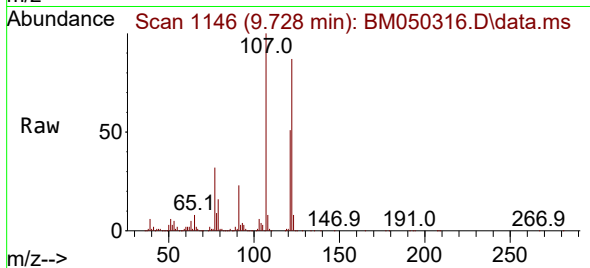




#27
2,4-Dimethylphenol
Concen: 46.224 ng
RT: 9.728 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

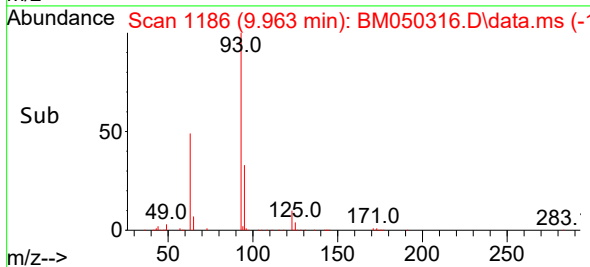
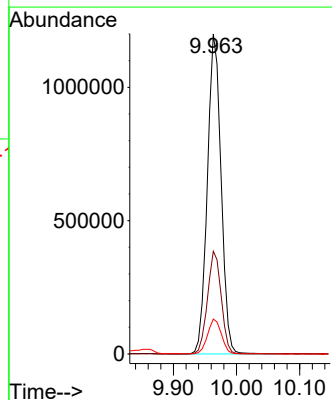
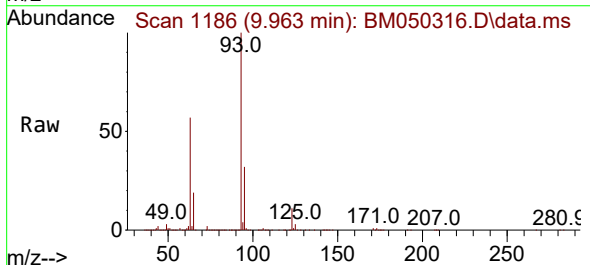
Instrument :
BNA_M
ClientSampleId :
PB168473BS

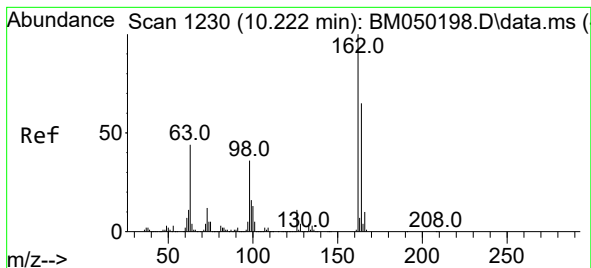
Tgt Ion:122 Resp: 1230997
Ion Ratio Lower Upper
122 100
107 114.4 91.0 136.6
121 58.7 45.8 68.6



#28
bis(2-Chloroethoxy)methane
Concen: 48.673 ng
RT: 9.963 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

Tgt Ion: 93 Resp: 1811939
Ion Ratio Lower Upper
93 100
95 32.1 26.2 39.4
123 10.9 8.9 13.3

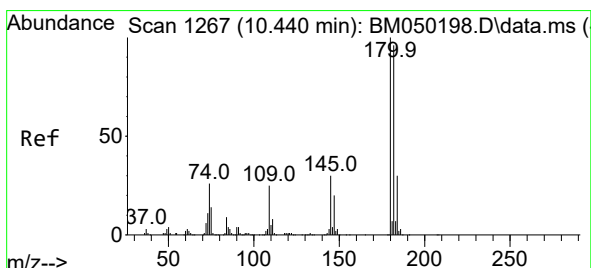
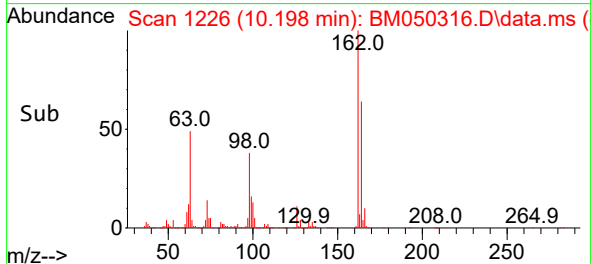
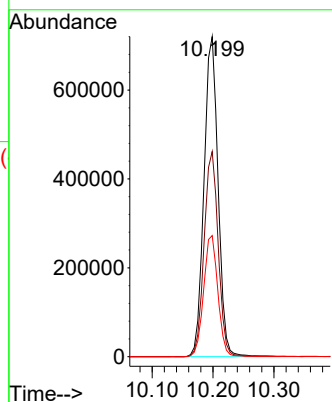
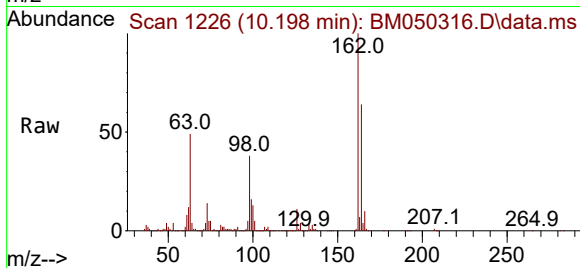




#29
2,4-Dichlorophenol
Concen: 46.946 ng
RT: 10.198 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

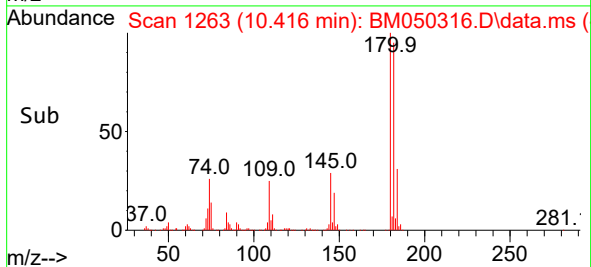
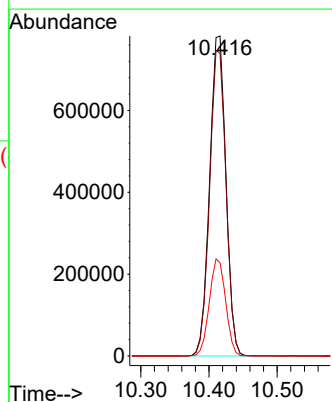
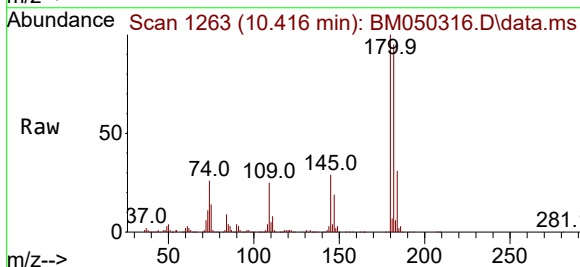
Instrument :
BNA_M
ClientSampleId :
PB168473BS

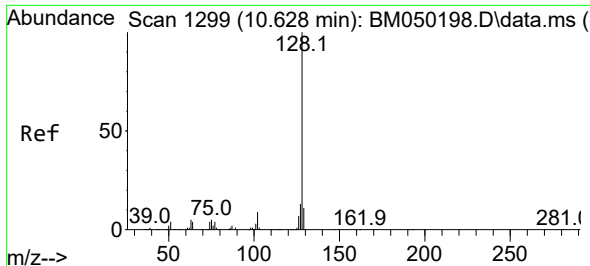
Tgt Ion:162 Resp: 1156951
Ion Ratio Lower Upper
162 100
164 64.1 45.0 85.0
98 37.9 16.3 56.3



#30
1,2,4-Trichlorobenzene
Concen: 47.502 ng
RT: 10.416 min Scan# 1263
Delta R.T. -0.006 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

Tgt Ion:180 Resp: 1302699
Ion Ratio Lower Upper
180 100
182 94.5 76.6 114.8
145 29.1 24.2 36.4

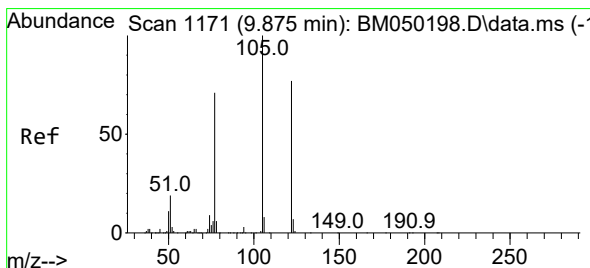
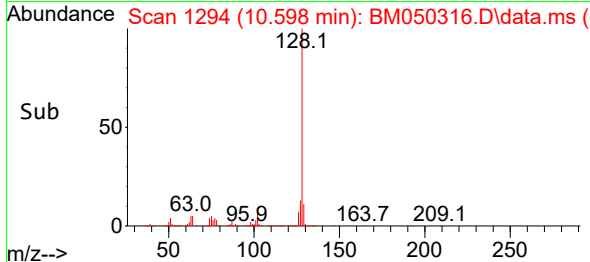
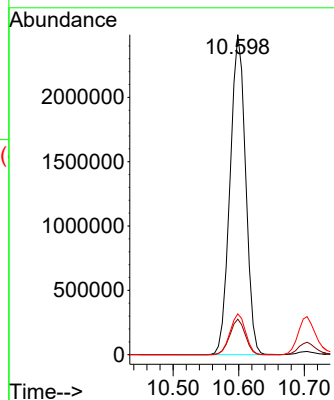
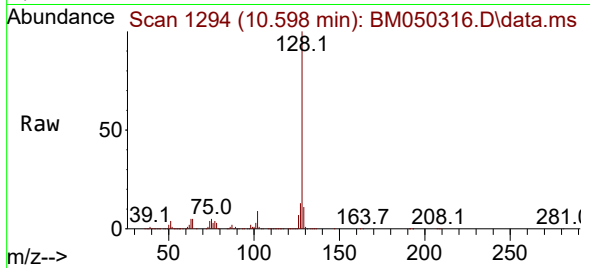




#31
Naphthalene
Concen: 46.255 ng
RT: 10.598 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

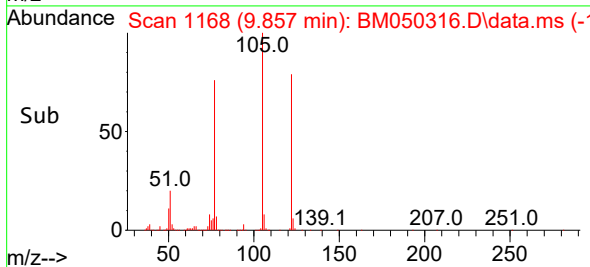
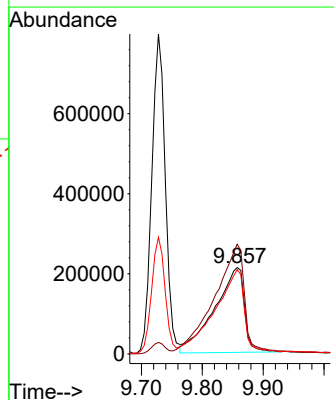
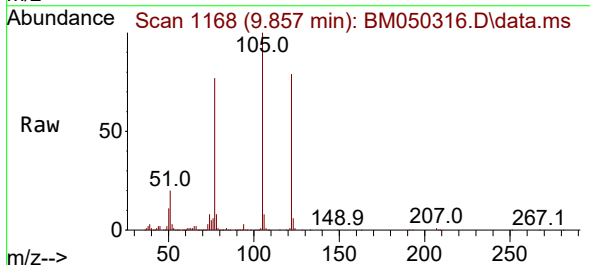
Instrument :
BNA_M
ClientSampleId :
PB168473BS

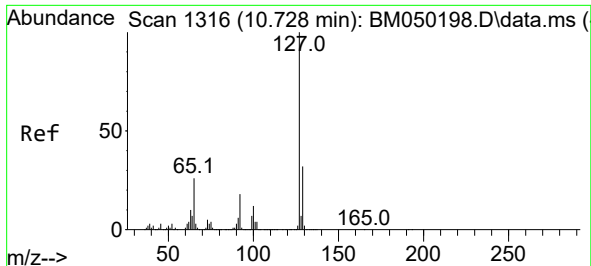
Tgt Ion:128 Resp: 4106370
Ion Ratio Lower Upper
128 100
129 11.1 8.6 12.8
127 12.8 10.2 15.4



#32
Benzoic acid
Concen: 43.390 ng
RT: 9.857 min Scan# 1168
Delta R.T. 0.012 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

Tgt Ion:122 Resp: 726205
Ion Ratio Lower Upper
122 100
105 127.1 103.4 143.4
77 97.6 70.3 110.3

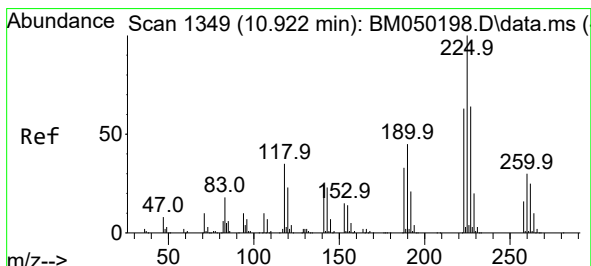
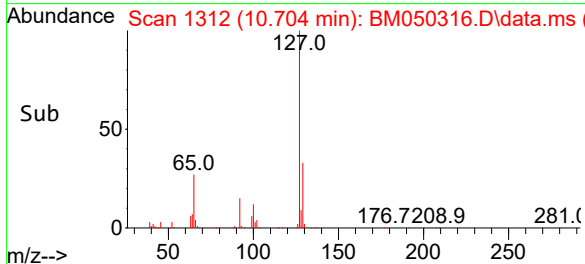
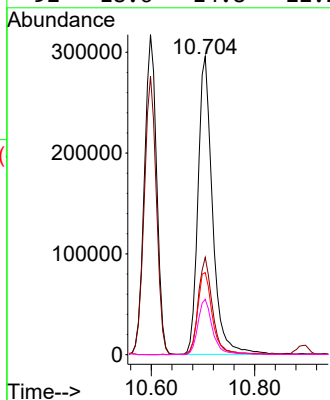
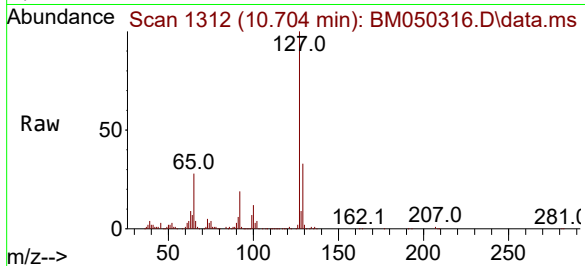




#33
4-Chloroaniline
Concen: 15.259 ng
RT: 10.704 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

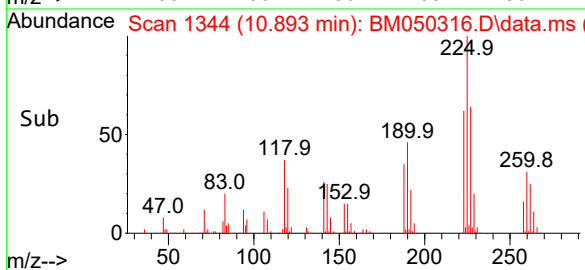
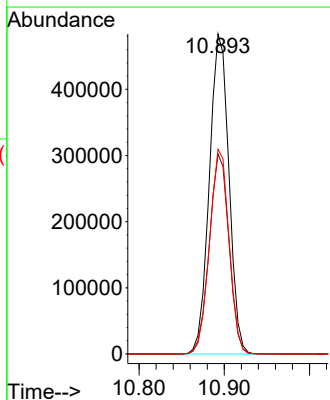
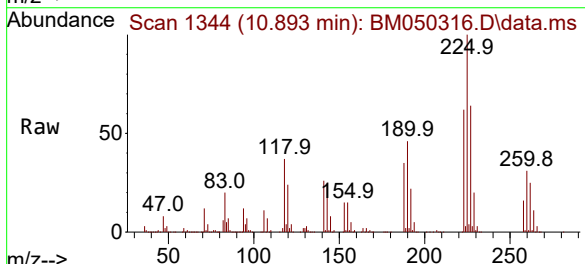
Instrument :
BNA_M
ClientSampleId :
PB168473BS

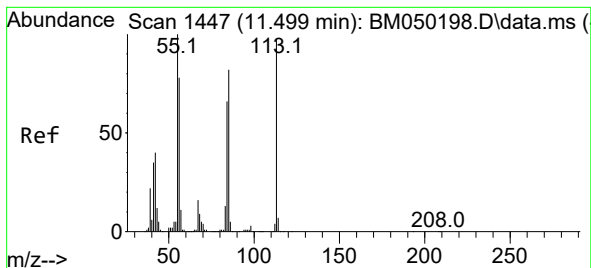
Tgt Ion:	127	Resp:	577544
Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.4	38.0
65	27.5	21.0	31.4
92	18.6	14.8	22.2



#34
Hexachlorobutadiene
Concen: 47.314 ng
RT: 10.893 min Scan# 1344
Delta R.T. -0.011 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

Tgt Ion:	225	Resp:	771809
Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.2	75.2
227	63.9	51.0	76.4





#35

Caprolactam

Concen: 42.063 ng

RT: 11.481 min Scan# 14

Delta R.T. 0.000 min

Lab File: BM050316.D

Acq: 14 Jun 2025 02:21

Instrument :

BNA_M

ClientSampleId :

PB168473BS

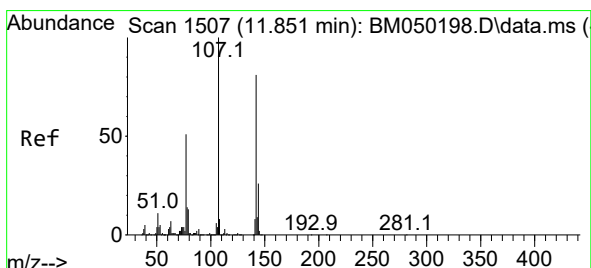
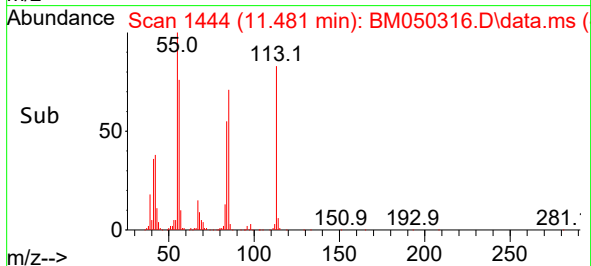
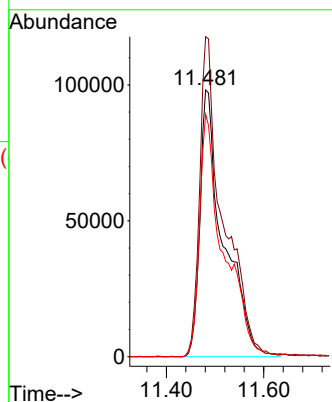
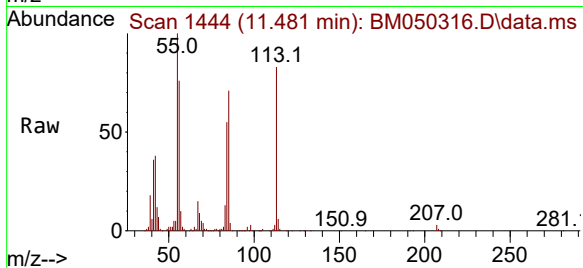
Tgt Ion:113 Resp: 328647

Ion Ratio Lower Upper

113 100

55 120.0 83.5 123.5

56 90.9 60.6 100.6



#36

4-Chloro-3-methylphenol

Concen: 44.967 ng

RT: 11.828 min Scan# 1503

Delta R.T. -0.006 min

Lab File: BM050316.D

Acq: 14 Jun 2025 02:21

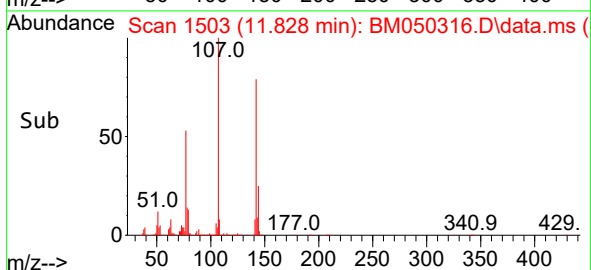
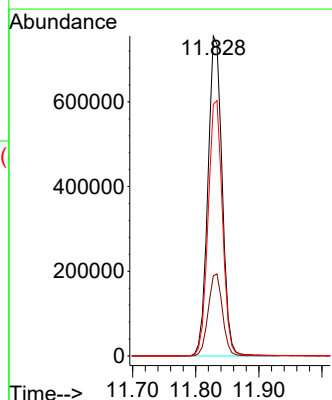
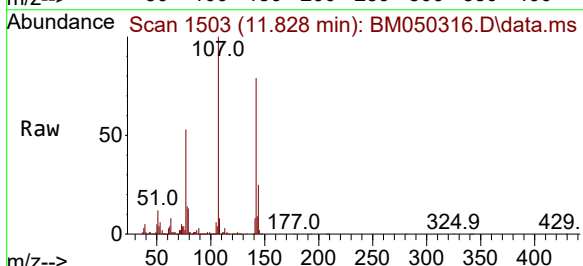
Tgt Ion:107 Resp: 1182497

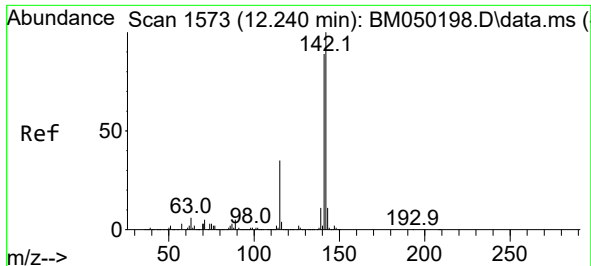
Ion Ratio Lower Upper

107 100

144 25.1 21.0 31.6

142 78.6 64.8 97.2

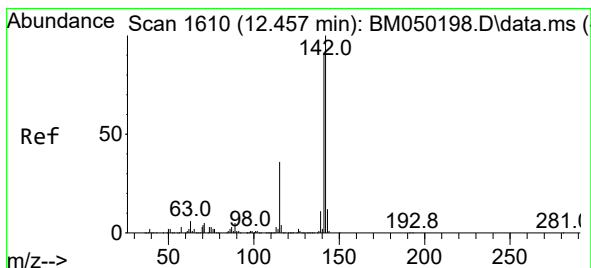
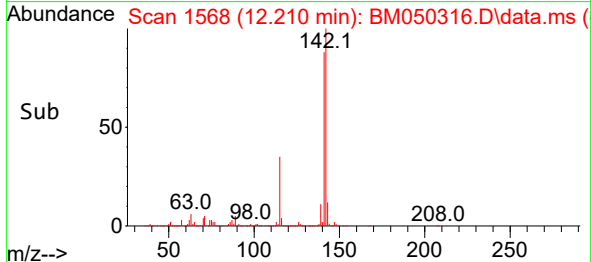
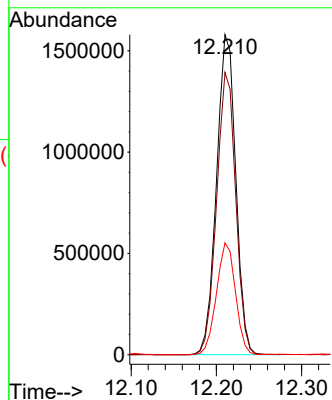
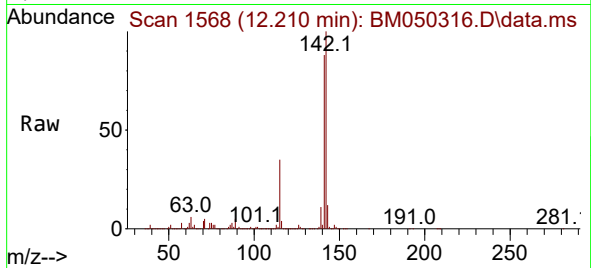




#37
2-Methylnaphthalene
Concen: 46.210 ng
RT: 12.210 min Scan# 1
Delta R.T. -0.011 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

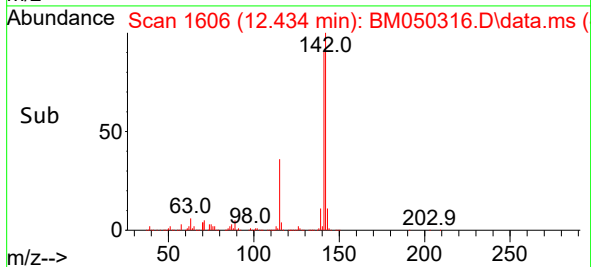
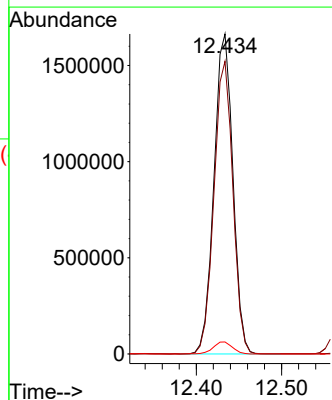
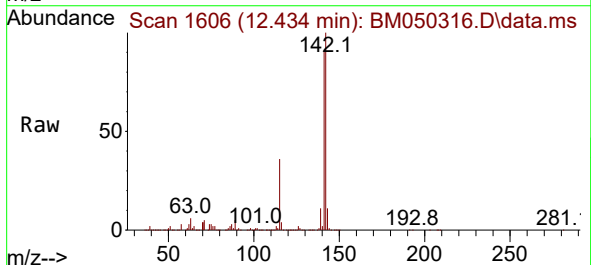
Instrument :
BNA_M
ClientSampleId :
PB168473BS

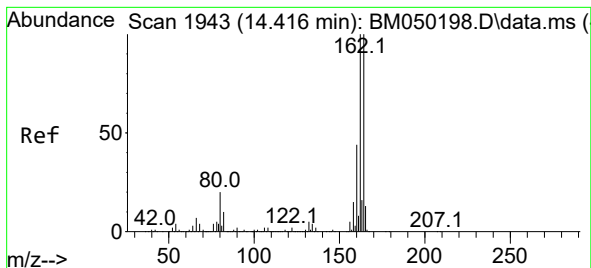
Tgt Ion:142 Resp: 2474814
Ion Ratio Lower Upper
142 100
141 88.2 71.5 107.3
115 34.9 27.8 41.8



#38
1-Methylnaphthalene
Concen: 45.060 ng
RT: 12.434 min Scan# 1606
Delta R.T. -0.006 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

Tgt Ion:142 Resp: 2561363
Ion Ratio Lower Upper
142 100
141 91.4 72.9 109.3
116 3.7 3.0 4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.392 min Scan# 1943

Delta R.T. -0.006 min

Lab File: BM050316.D

Acq: 14 Jun 2025 02:21

Instrument :

BNA_M

ClientSampleId :

PB168473BS

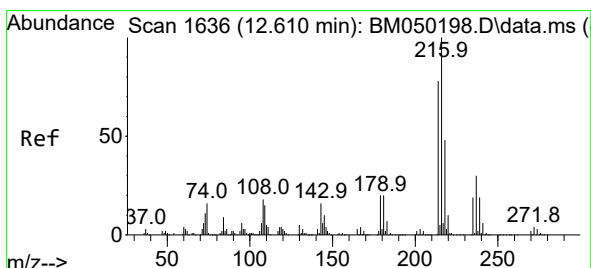
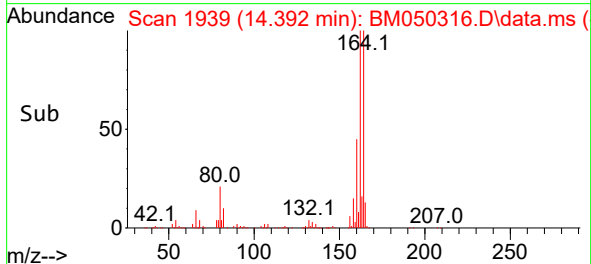
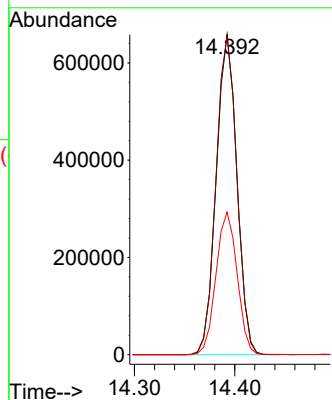
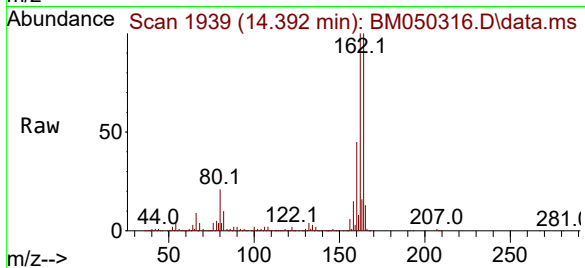
Tgt Ion:164 Resp: 940759

Ion Ratio Lower Upper

164 100

162 99.6 80.2 120.4

160 44.6 35.7 53.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 49.562 ng

RT: 12.581 min Scan# 1631

Delta R.T. -0.006 min

Lab File: BM050316.D

Acq: 14 Jun 2025 02:21

Tgt Ion:216 Resp: 1346375

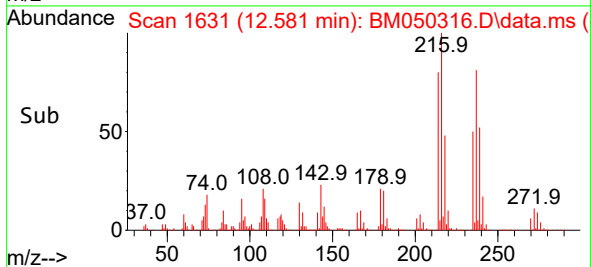
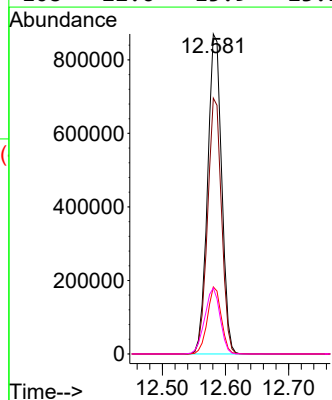
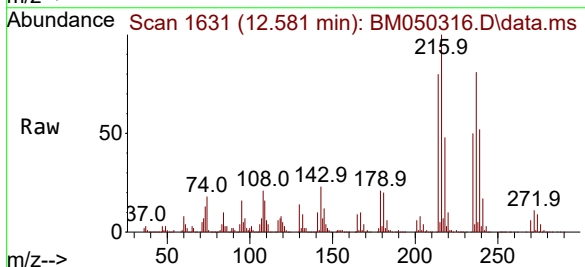
Ion Ratio Lower Upper

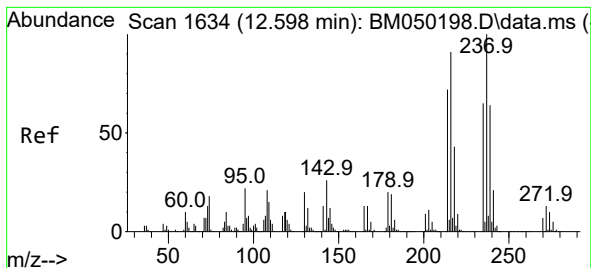
216 100

214 79.3 63.0 94.4

179 20.6 16.6 25.0

108 22.6 15.9 23.9

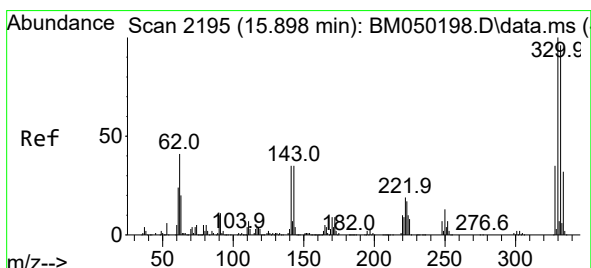
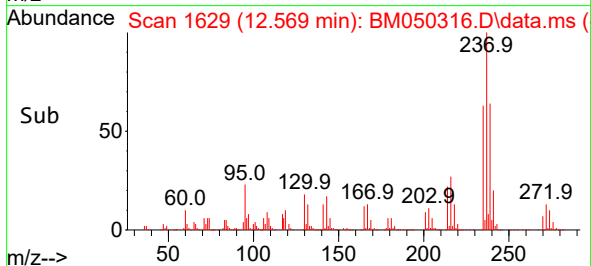
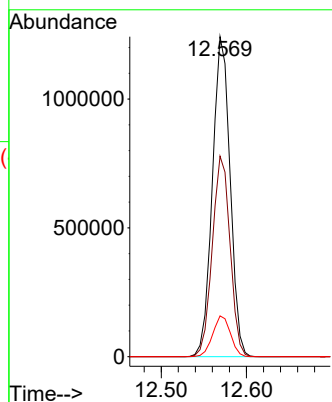
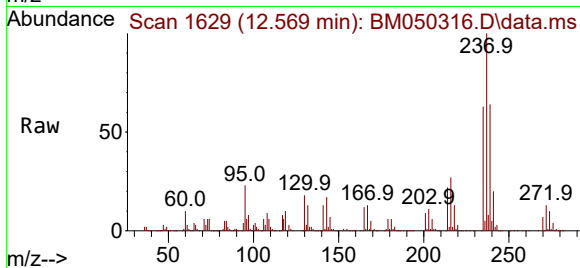




#41
Hexachlorocyclopentadiene
Concen: 108.603 ng
RT: 12.569 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

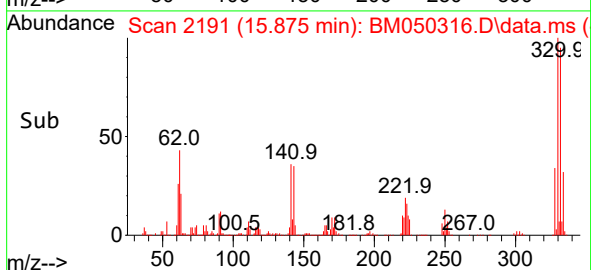
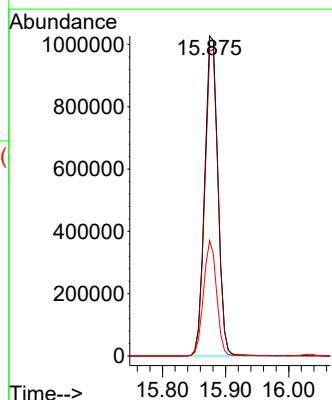
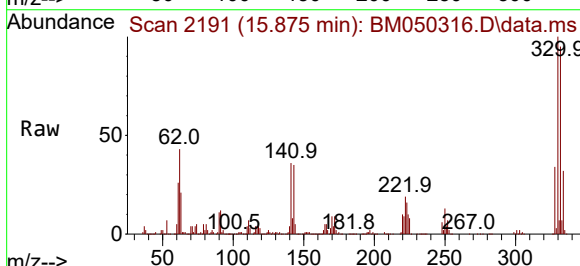
Instrument :
BNA_M
ClientSampleId :
PB168473BS

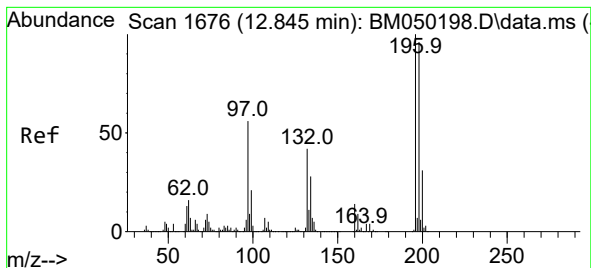
Tgt Ion:237 Resp: 1791685
Ion Ratio Lower Upper
237 100
235 62.6 44.6 84.6
272 12.7 0.0 33.1



#42
2,4,6-Tribromophenol
Concen: 140.011 ng
RT: 15.875 min Scan# 2191
Delta R.T. -0.006 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

Tgt Ion:330 Resp: 1498183
Ion Ratio Lower Upper
330 100
332 96.5 77.5 116.3
141 35.5 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 49.274 ng

RT: 12.822 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM050316.D

Acq: 14 Jun 2025 02:21

Instrument :

BNA_M

ClientSampleId :

PB168473BS

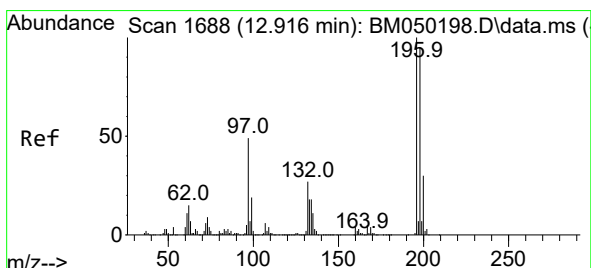
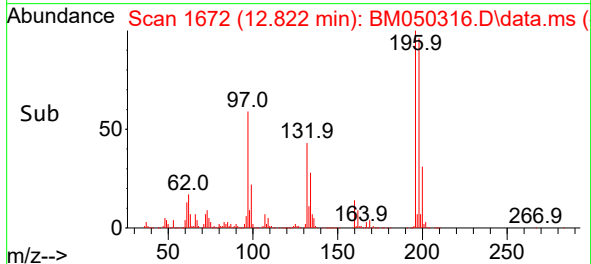
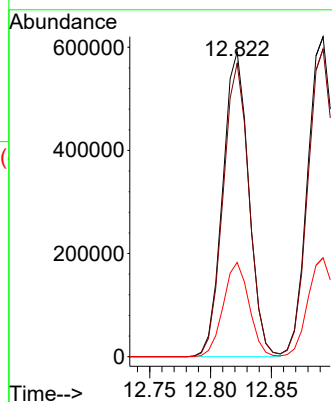
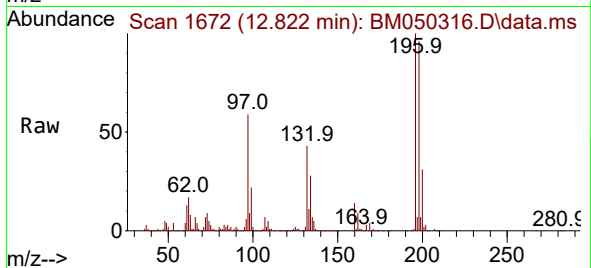
Tgt Ion:196 Resp: 880254

Ion Ratio Lower Upper

196 100

198 96.3 76.6 115.0

200 30.9 24.5 36.7



#44

2,4,5-Trichlorophenol

Concen: 48.635 ng

RT: 12.892 min Scan# 1684

Delta R.T. -0.006 min

Lab File: BM050316.D

Acq: 14 Jun 2025 02:21

Tgt Ion:196 Resp: 953937

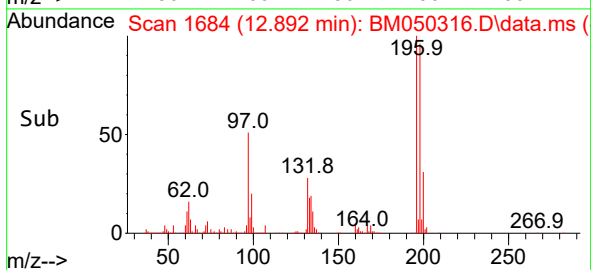
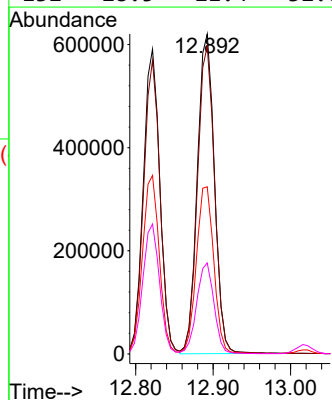
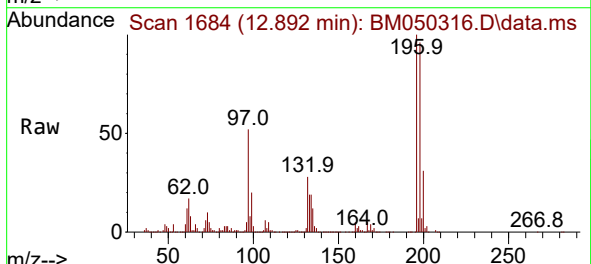
Ion Ratio Lower Upper

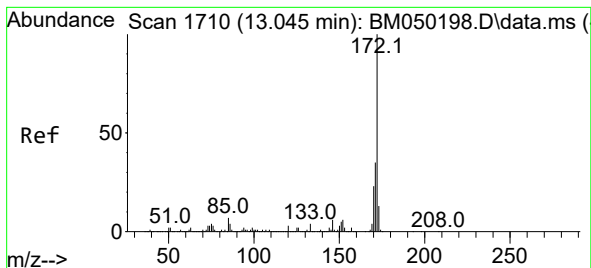
196 100

198 96.2 76.1 114.1

97 52.2 39.3 58.9

132 28.5 21.4 32.0





#45

2-Fluorobiphenyl

Concen: 83.229 ng

RT: 13.016 min Scan# 1705

Delta R.T. -0.011 min

Lab File: BM050316.D

Acq: 14 Jun 2025 02:21

Instrument :

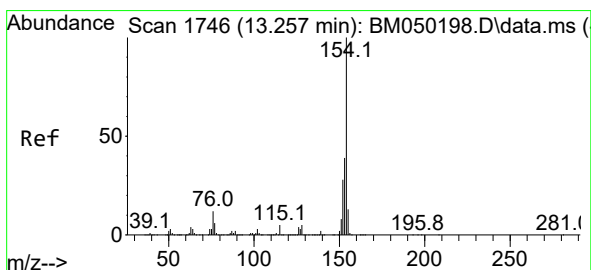
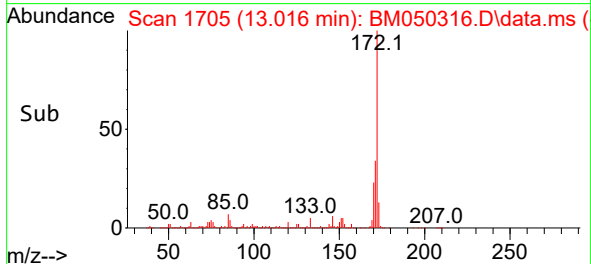
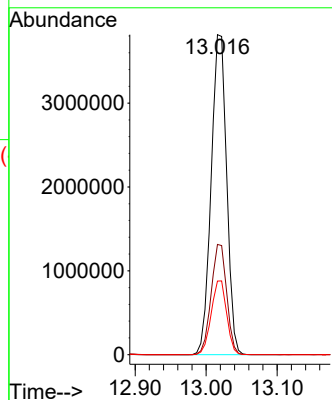
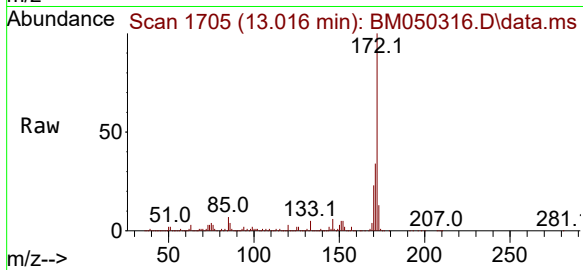
BNA_M

ClientSampleId :

PB168473BS

Tgt Ion:172 Resp: 5783402

Ion	Ratio	Lower	Upper
172	100		
171	34.4	27.8	41.6
170	23.0	18.6	27.8



#46

1,1'-Biphenyl

Concen: 48.016 ng

RT: 13.228 min Scan# 1741

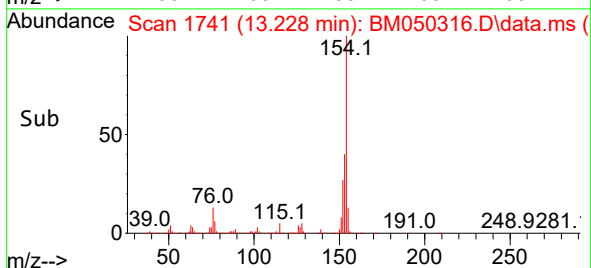
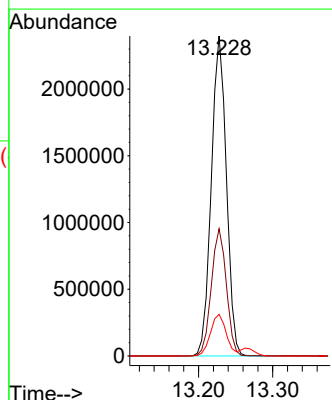
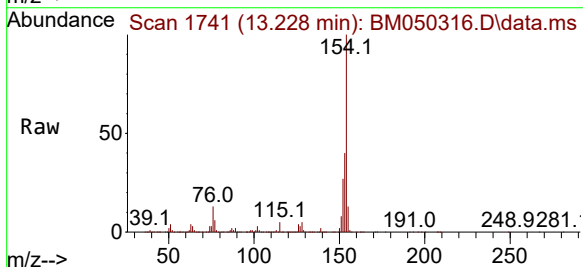
Delta R.T. -0.006 min

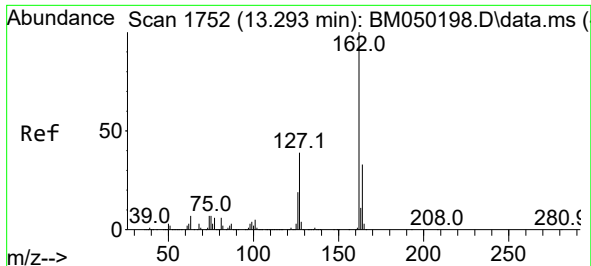
Lab File: BM050316.D

Acq: 14 Jun 2025 02:21

Tgt Ion:154 Resp: 3382388

Ion	Ratio	Lower	Upper
154	100		
153	39.8	19.2	59.2
76	13.0	0.0	32.0

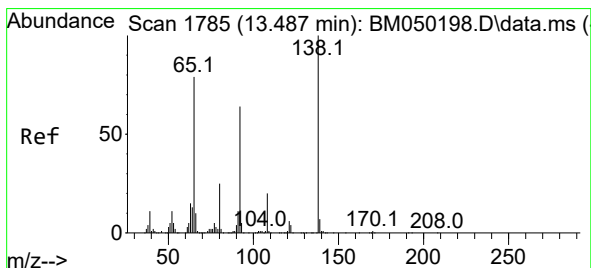
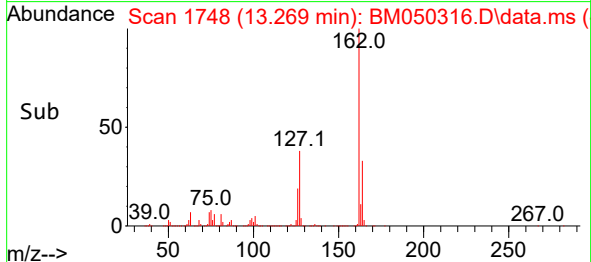
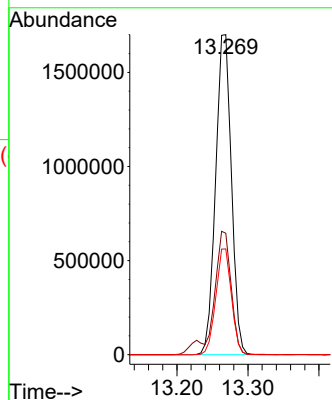
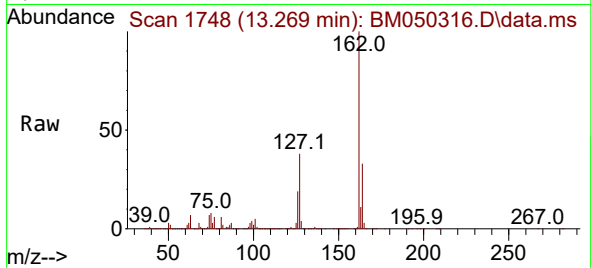




#47
2-Chloronaphthalene
Concen: 47.836 ng
RT: 13.269 min Scan# 1748
Delta R.T. -0.006 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

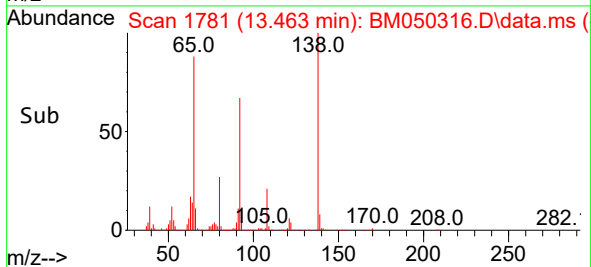
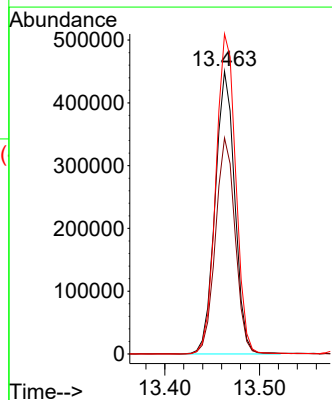
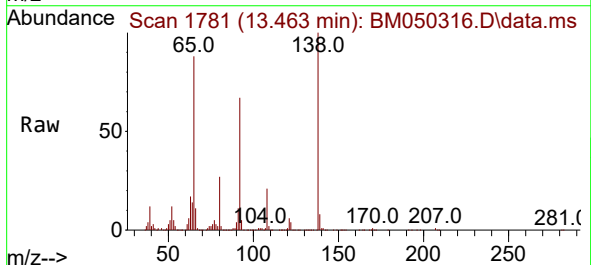
Instrument :
BNA_M
ClientSampleId :
PB168473BS

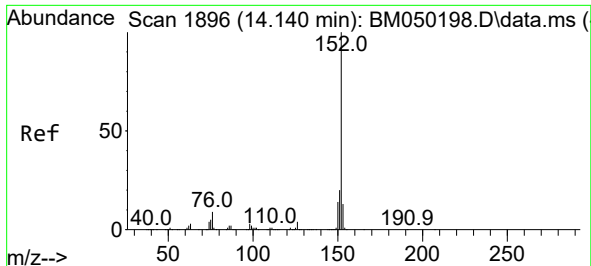
Tgt Ion:162 Resp: 2619748
Ion Ratio Lower Upper
162 100
127 37.9 31.1 46.7
164 33.1 26.5 39.7



#48
2-Nitroaniline
Concen: 53.881 ng
RT: 13.463 min Scan# 1781
Delta R.T. -0.006 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

Tgt Ion: 65 Resp: 649364
Ion Ratio Lower Upper
65 100
92 76.4 64.2 96.4
138 113.2 101.0 151.4

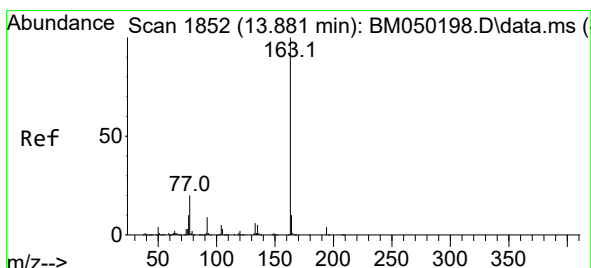
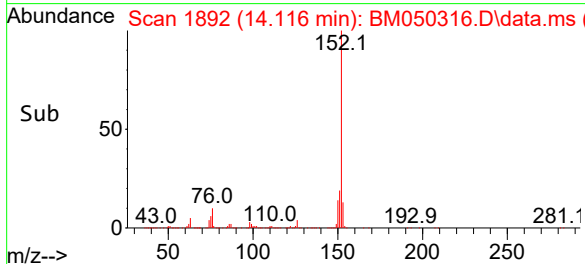
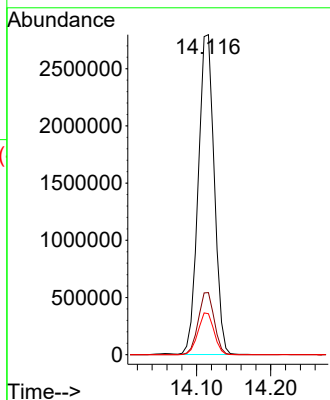
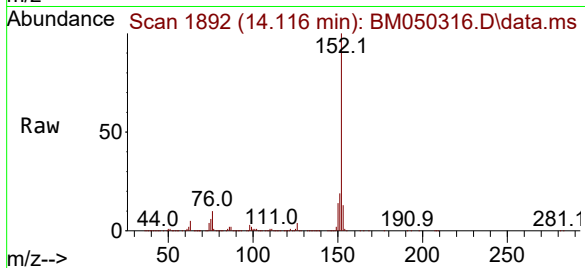




#49
Acenaphthylene
Concen: 47.303 ng
RT: 14.116 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

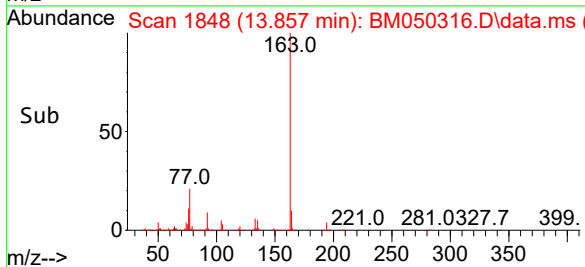
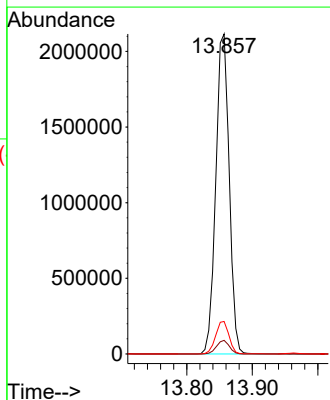
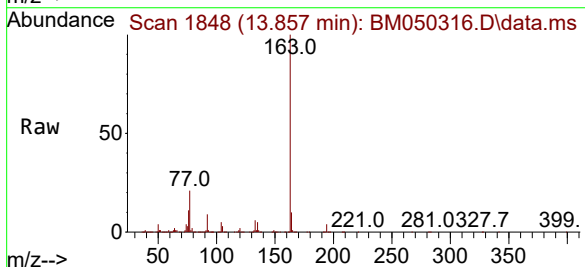
Instrument :
BNA_M
ClientSampleId :
PB168473BS

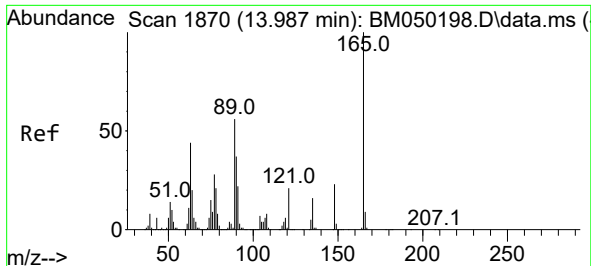
Tgt Ion:152 Resp: 4190093
Ion Ratio Lower Upper
152 100
151 19.4 15.8 23.6
153 12.8 10.4 15.6



#50
Dimethylphthalate
Concen: 46.969 ng
RT: 13.857 min Scan# 1848
Delta R.T. -0.006 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

Tgt Ion:163 Resp: 2988324
Ion Ratio Lower Upper
163 100
194 4.2 3.3 4.9
164 10.2 7.9 11.9

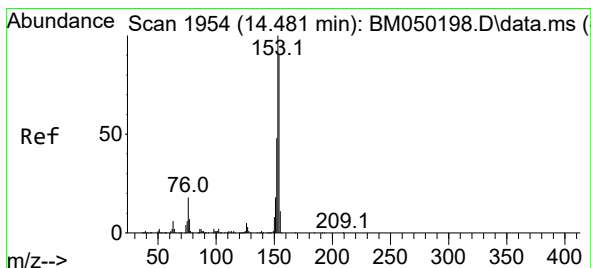
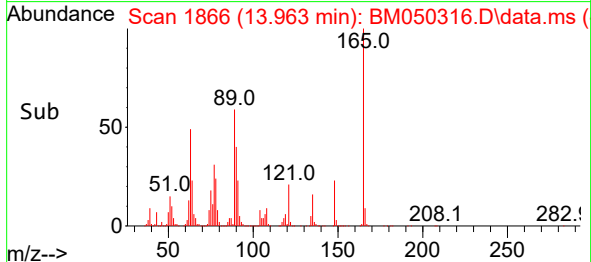
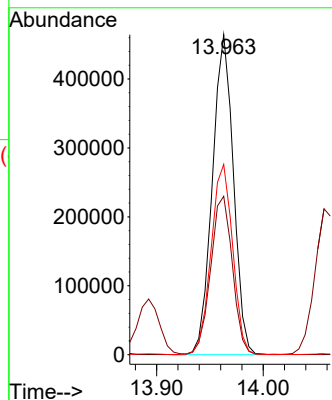
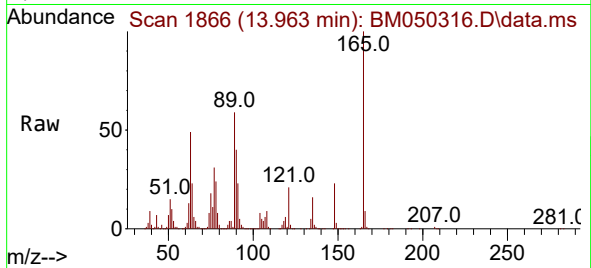




#51
2,6-Dinitrotoluene
Concen: 49.610 ng
RT: 13.963 min Scan# 1866
Delta R.T. -0.006 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

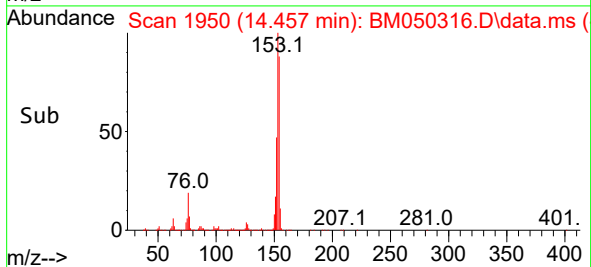
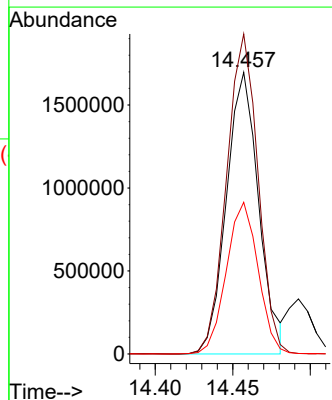
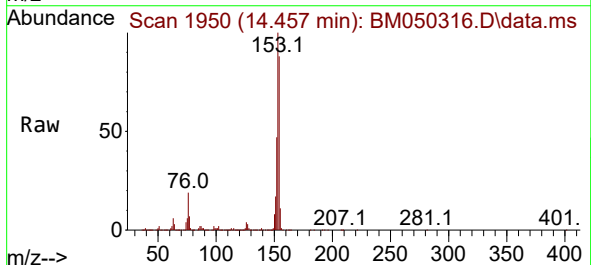
Instrument :
BNA_M
ClientSampleId :
PB168473BS

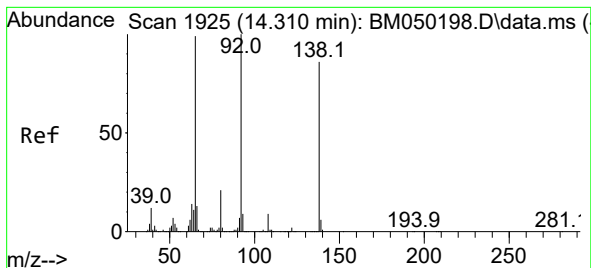
Tgt Ion:165 Resp: 636528
Ion Ratio Lower Upper
165 100
63 49.5 35.8 53.6
89 59.4 44.8 67.2



#52
Acenaphthene
Concen: 44.391 ng
RT: 14.457 min Scan# 1950
Delta R.T. -0.006 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

Tgt Ion:154 Resp: 2459465
Ion Ratio Lower Upper
154 100
153 113.6 88.7 133.1
152 53.9 42.6 63.8

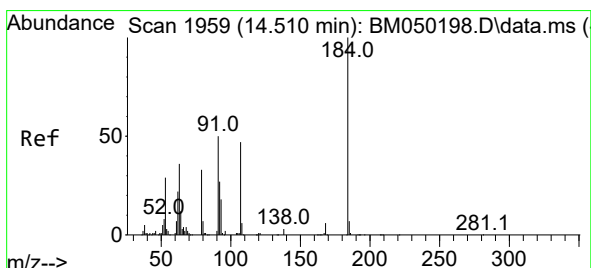
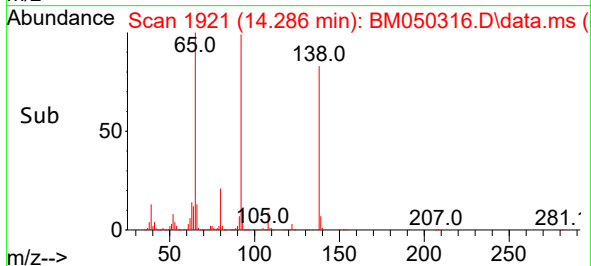
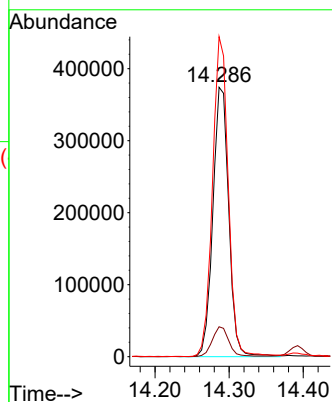
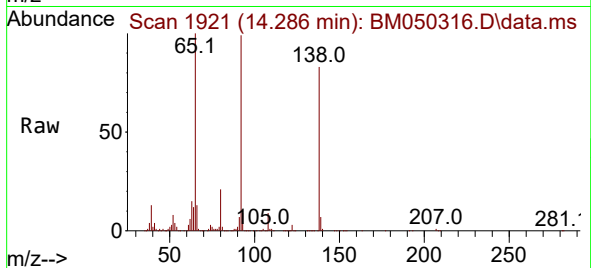




#53
3-Nitroaniline
Concen: 38.946 ng
RT: 14.286 min Scan# 1921
Delta R.T. -0.006 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

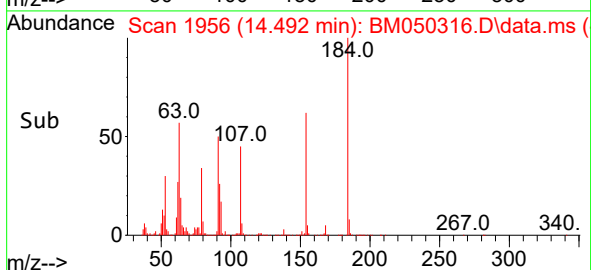
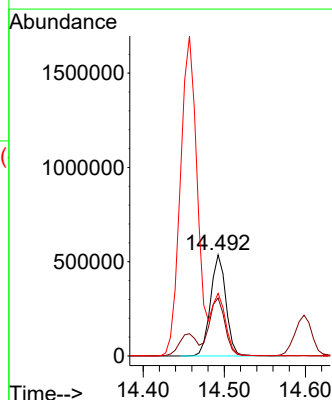
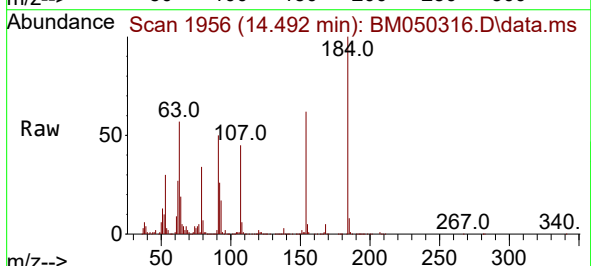
Instrument :
BNA_M
ClientSampleId :
PB168473BS

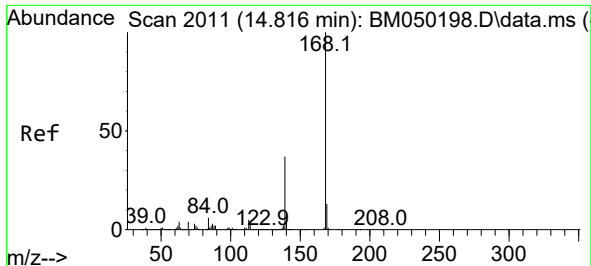
Tgt Ion:138 Resp: 556925
Ion Ratio Lower Upper
138 100
108 11.1 8.8 13.2
92 118.7 92.9 139.3



#54
2,4-Dinitrophenol
Concen: 96.545 ng
RT: 14.492 min Scan# 1956
Delta R.T. 0.000 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

Tgt Ion:184 Resp: 708024
Ion Ratio Lower Upper
184 100
63 57.2 45.3 67.9
154 61.9 54.3 81.5

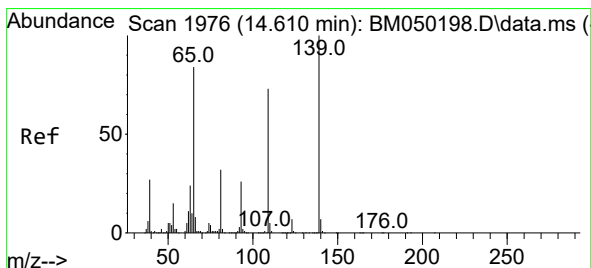
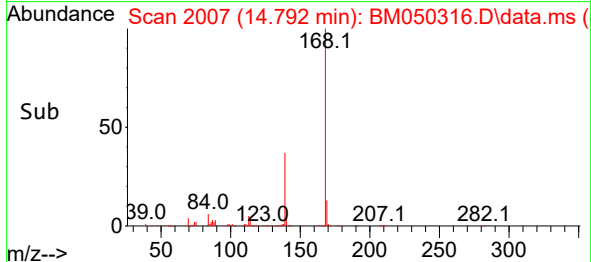
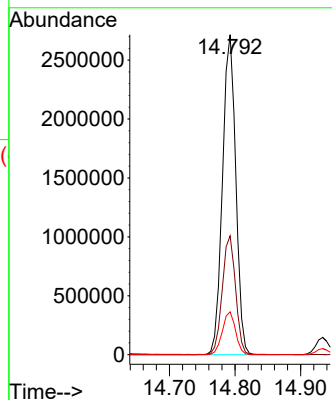
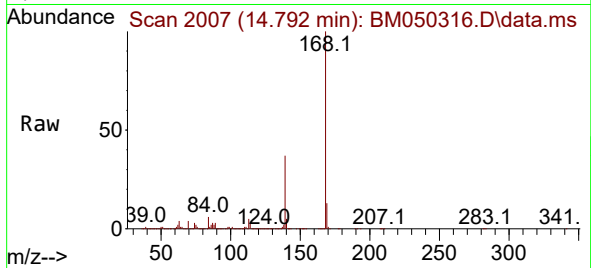




#55
Dibenzenofuran
Concen: 46.863 ng
RT: 14.792 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

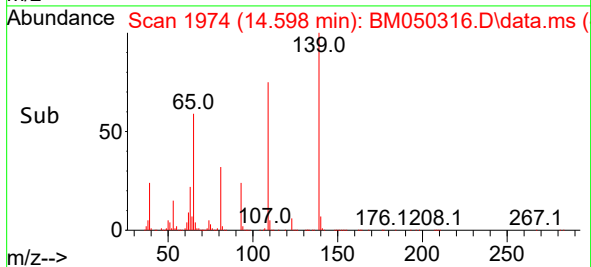
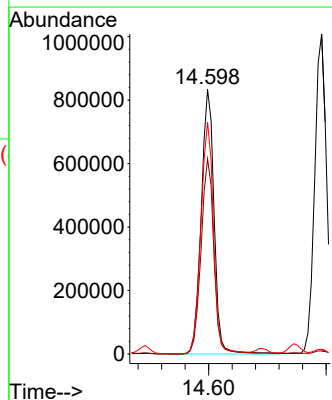
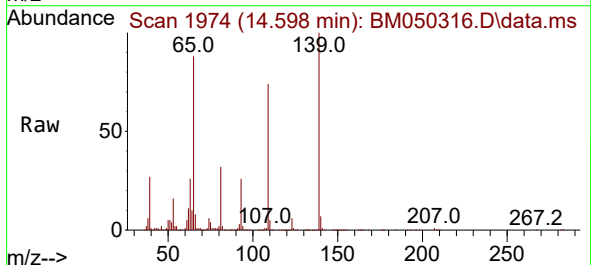
Instrument :
BNA_M
ClientSampleId :
PB168473BS

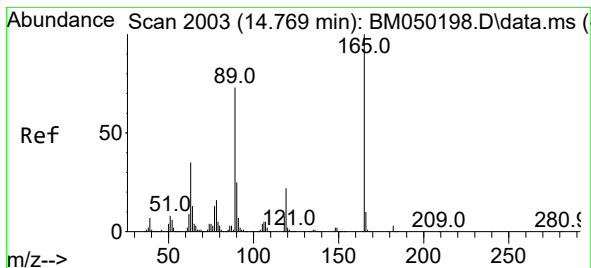
Tgt Ion:168 Resp: 3798541
Ion Ratio Lower Upper
168 100
139 37.1 29.9 44.9
169 13.4 10.6 16.0



#56
4-Nitrophenol
Concen: 103.699 ng
RT: 14.598 min Scan# 1974
Delta R.T. 0.000 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

Tgt Ion:139 Resp: 1262131
Ion Ratio Lower Upper
139 100
109 73.7 52.6 92.6
65 87.6 64.3 104.3

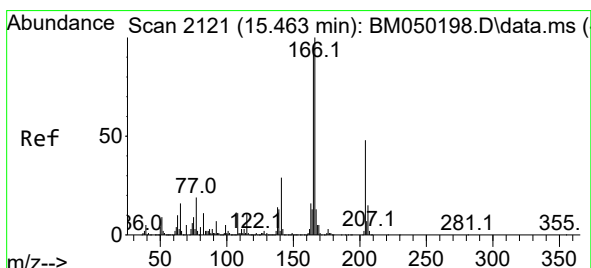
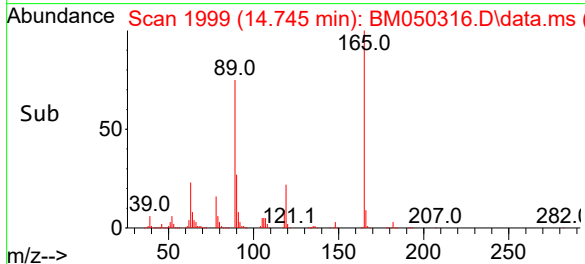
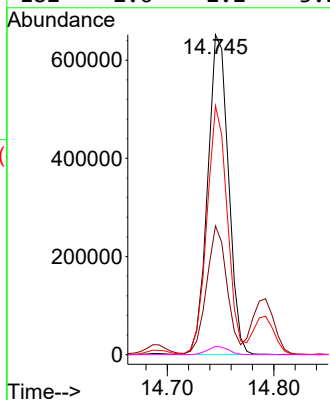
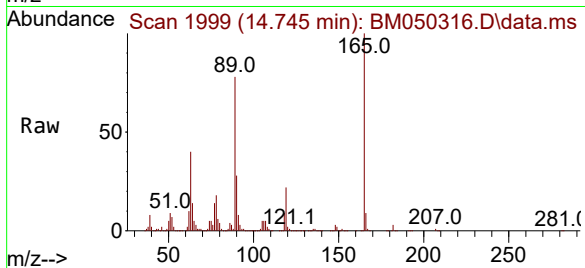




#57
2,4-Dinitrotoluene
Concen: 52.028 ng
RT: 14.745 min Scan# 1999
Delta R.T. -0.006 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

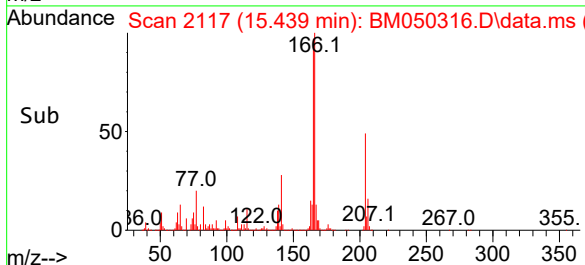
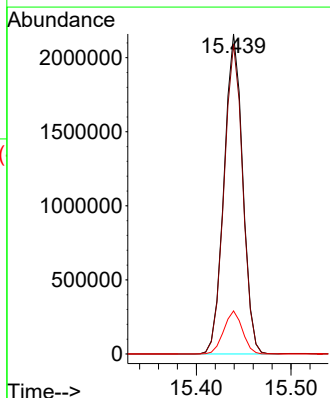
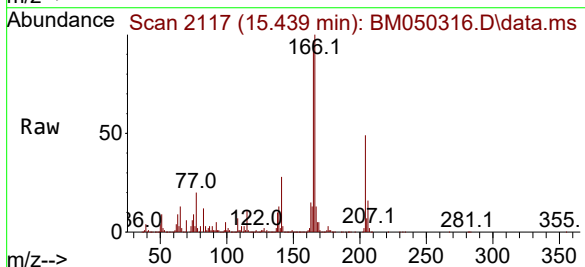
Instrument :
BNA_M
ClientSampleId :
PB168473BS

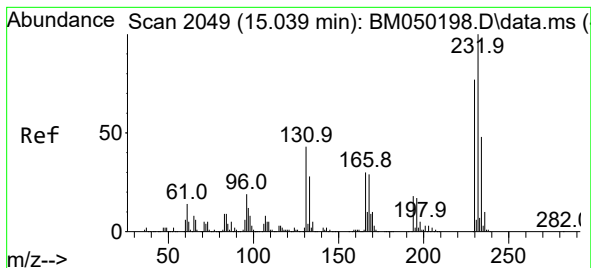
Tgt Ion:165 Resp: 880594
Ion Ratio Lower Upper
165 100
63 40.3 28.4 42.6
89 77.8 58.0 87.0
182 2.6 2.2 3.2



#58
Fluorene
Concen: 47.672 ng
RT: 15.439 min Scan# 2117
Delta R.T. -0.006 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

Tgt Ion:166 Resp: 2959618
Ion Ratio Lower Upper
166 100
165 96.8 77.0 115.4
167 13.4 10.7 16.1

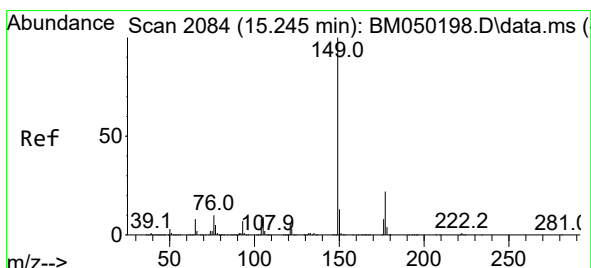
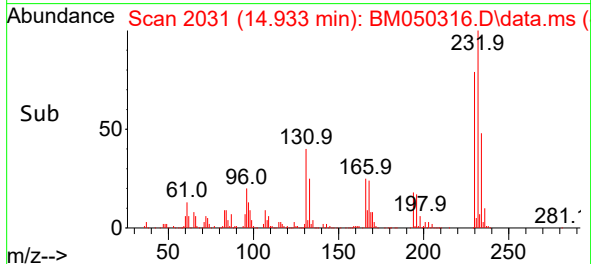
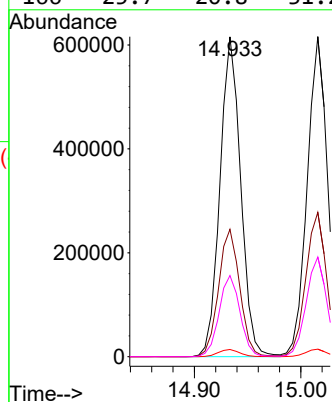
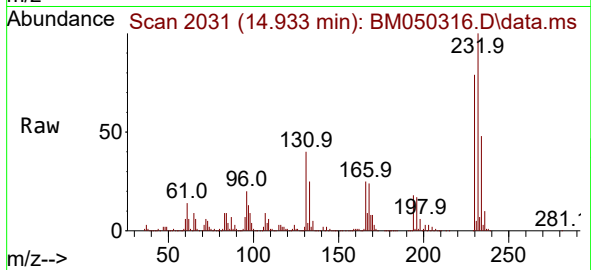




#59
2,3,4,6-Tetrachlorophenol
Concen: 49.011 ng
RT: 14.933 min Scan# 2049
Delta R.T. -0.088 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

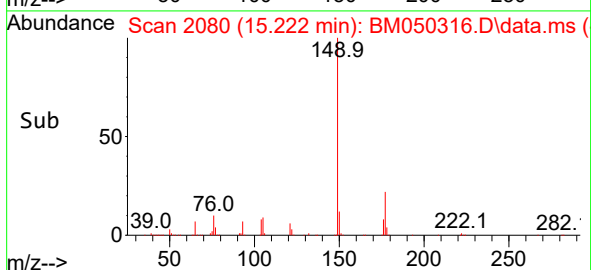
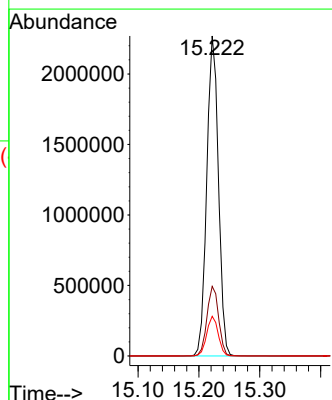
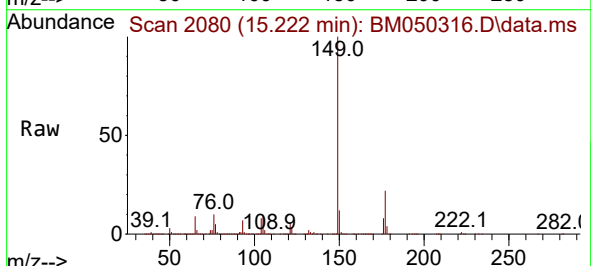
Instrument :
BNA_M
ClientSampleId :
PB168473BS

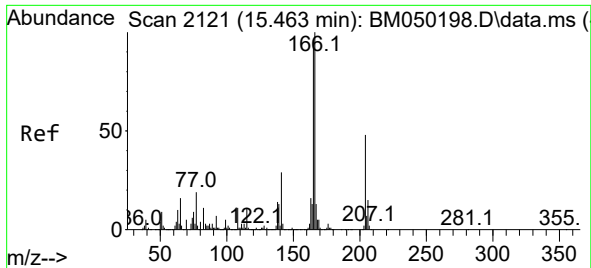
Tgt Ion:232 Resp: 831704
Ion Ratio Lower Upper
232 100
131 40.8 32.9 49.3
130 2.4 1.8 2.8
166 25.7 20.8 31.2



#60
Diethylphthalate
Concen: 47.836 ng
RT: 15.222 min Scan# 2080
Delta R.T. -0.006 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

Tgt Ion:149 Resp: 3019772
Ion Ratio Lower Upper
149 100
177 21.7 17.2 25.8
150 12.4 10.0 15.0

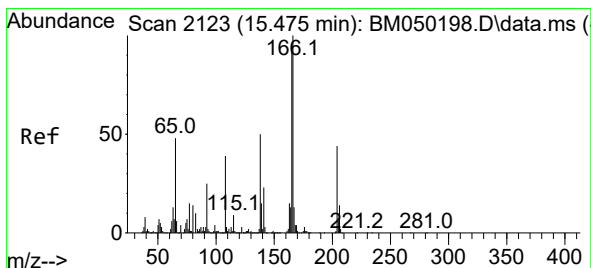
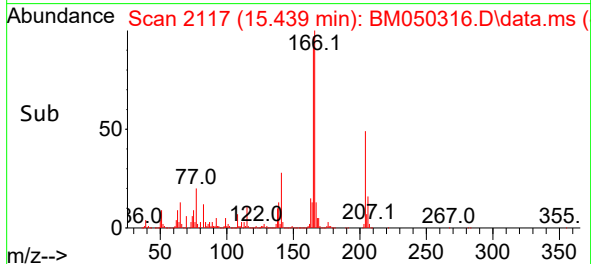
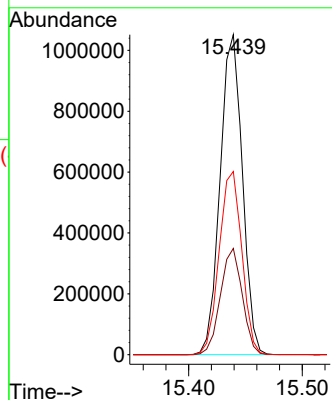
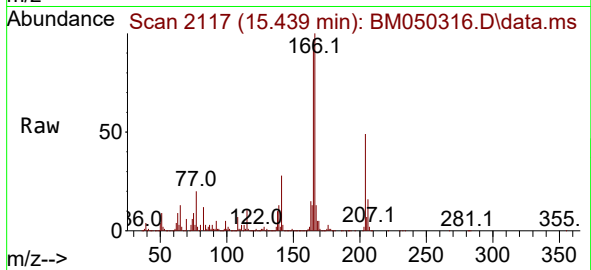




#61
4-Chlorophenyl-phenylether
Concen: 47.788 ng
RT: 15.439 min Scan# 2117
Delta R.T. -0.006 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

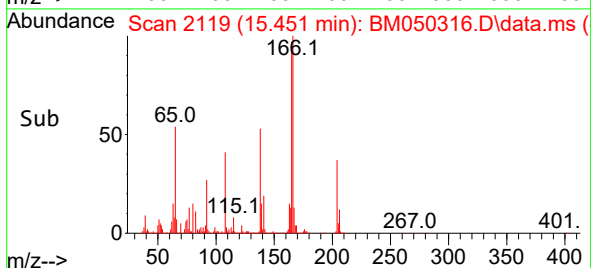
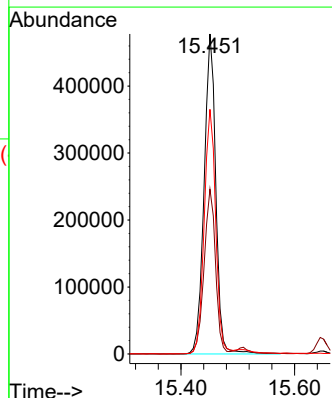
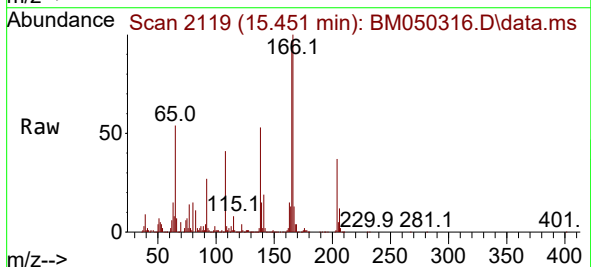
Instrument :
BNA_M
ClientSampleId :
PB168473BS

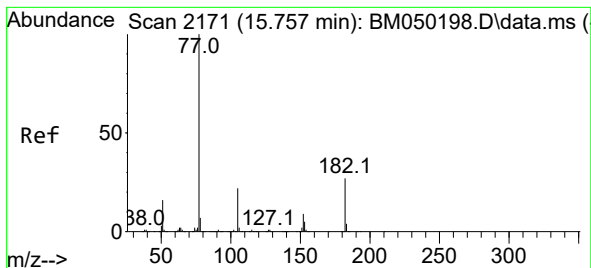
Tgt Ion:204 Resp: 1433854
Ion Ratio Lower Upper
204 100
206 33.2 25.4 38.0
141 57.2 47.9 71.9



#62
4-Nitroaniline
Concen: 50.951 ng
RT: 15.451 min Scan# 2119
Delta R.T. -0.006 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

Tgt Ion:138 Resp: 682879
Ion Ratio Lower Upper
138 100
92 51.5 28.8 68.8
108 76.5 58.1 98.1





#63

Azobenzene

Concen: 49.484 ng

RT: 15.728 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM050316.D

Acq: 14 Jun 2025 02:21

Instrument :

BNA_M

ClientSampleId :

PB168473BS

Tgt Ion: 77 Resp: 3122251

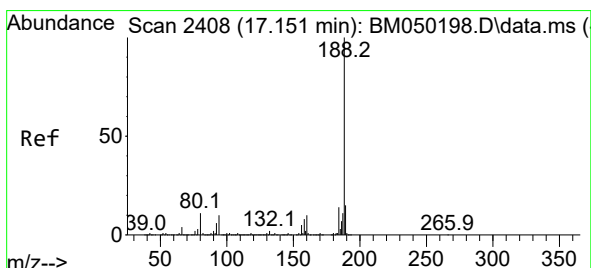
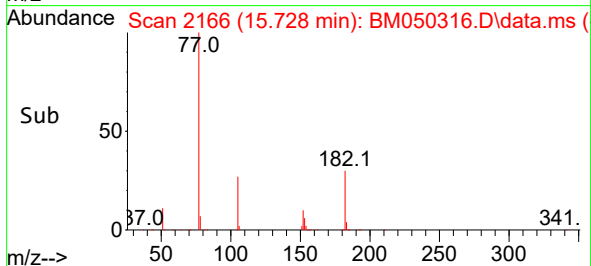
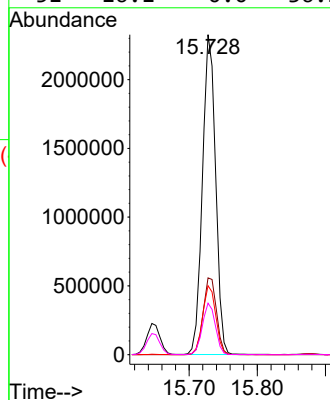
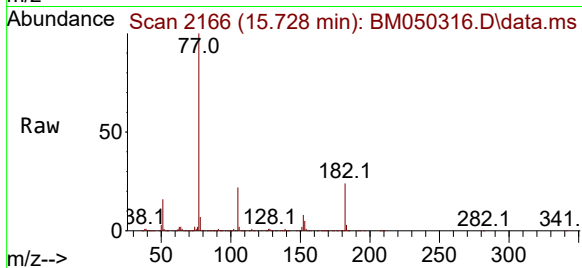
Ion Ratio Lower Upper

77 100

182 24.0 6.8 46.8

105 21.6 1.7 41.7

51 16.1 0.0 36.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.127 min Scan# 2404

Delta R.T. -0.011 min

Lab File: BM050316.D

Acq: 14 Jun 2025 02:21

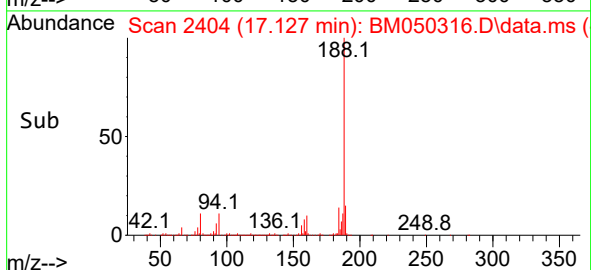
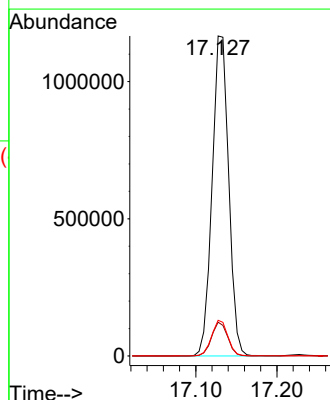
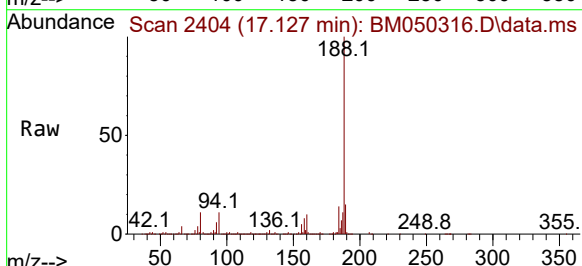
Tgt Ion:188 Resp: 1652102

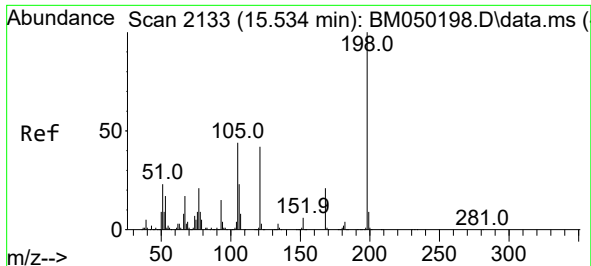
Ion Ratio Lower Upper

188 100

94 10.6 8.1 12.1

80 11.2 8.6 13.0

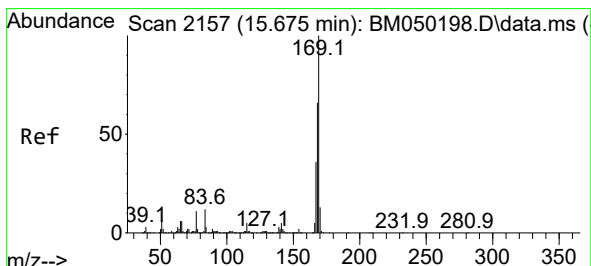
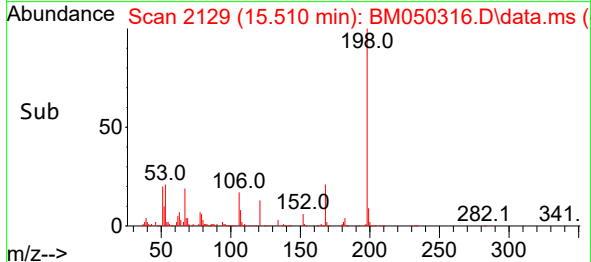
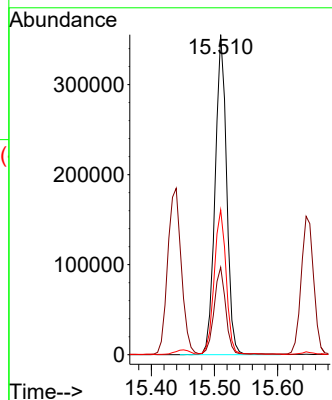
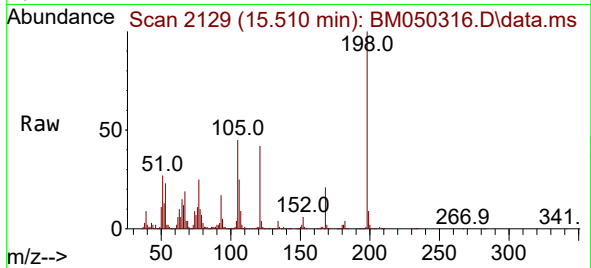




#65
4,6-Dinitro-2-methylphenol
Concen: 49.744 ng
RT: 15.510 min Scan# 2133
Delta R.T. -0.006 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

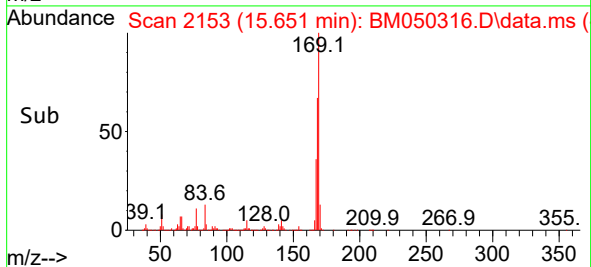
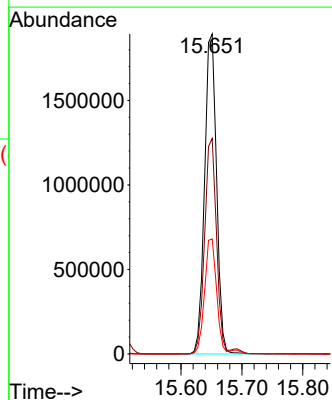
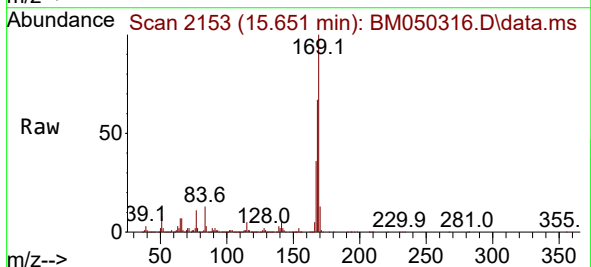
Instrument :
BNA_M
ClientSampleId :
PB168473BS

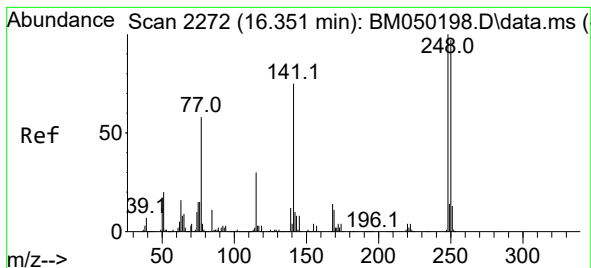
Tgt Ion:198 Resp: 448869
Ion Ratio Lower Upper
198 100
51 27.3 4.5 44.5
105 45.3 24.9 64.9



#66
n-Nitrosodiphenylamine
Concen: 49.948 ng
RT: 15.651 min Scan# 2153
Delta R.T. -0.006 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

Tgt Ion:169 Resp: 2592834
Ion Ratio Lower Upper
169 100
168 67.4 53.1 79.7
167 36.0 29.0 43.6

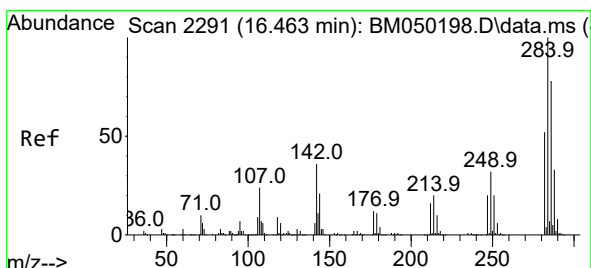
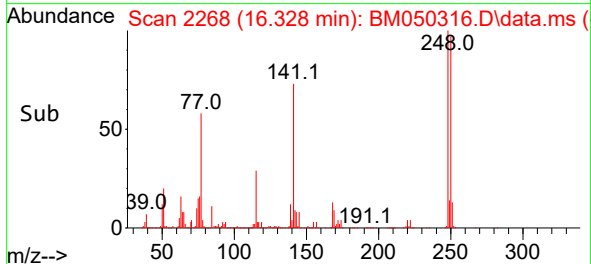
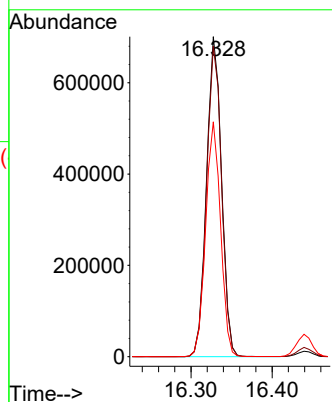
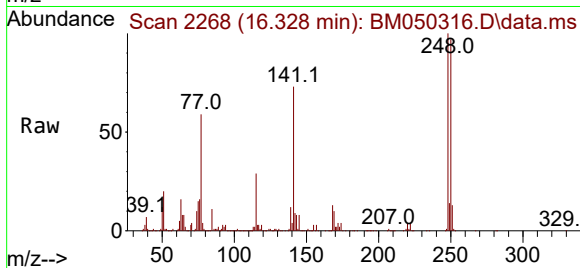




#67
4-Bromophenyl-phenylether
Concen: 51.084 ng
RT: 16.328 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

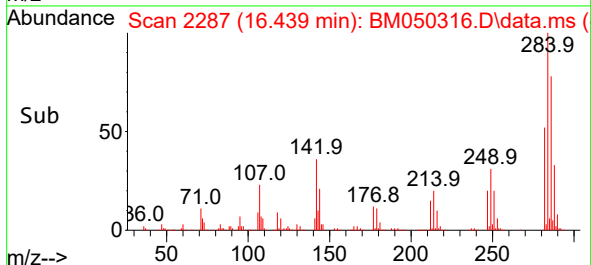
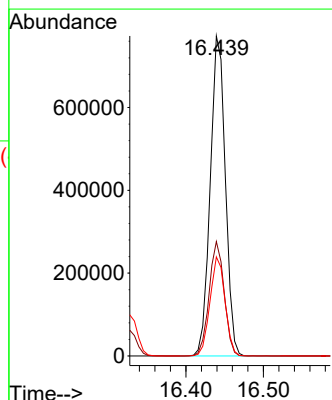
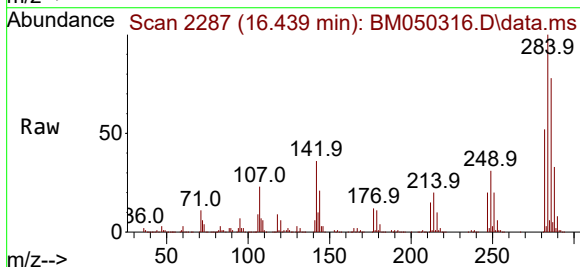
Instrument :
BNA_M
ClientSampleId :
PB168473BS

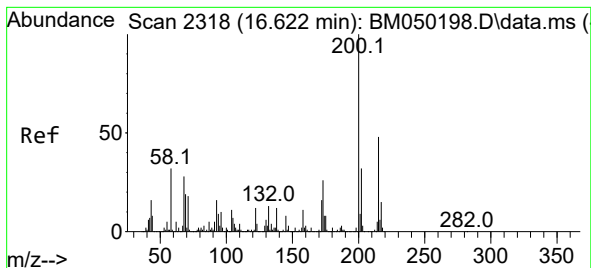
Tgt Ion:248 Resp: 899987
Ion Ratio Lower Upper
248 100
250 97.0 78.0 117.0
141 73.4 60.1 90.1



#68
Hexachlorobenzene
Concen: 50.765 ng
RT: 16.439 min Scan# 2287
Delta R.T. -0.006 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

Tgt Ion:284 Resp: 1044940
Ion Ratio Lower Upper
284 100
142 35.8 28.8 43.2
249 31.0 25.8 38.6





#69

Atrazine

Concen: 52.075 ng

RT: 16.604 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM050316.D

Acq: 14 Jun 2025 02:21

Instrument :

BNA_M

ClientSampleId :

PB168473BS

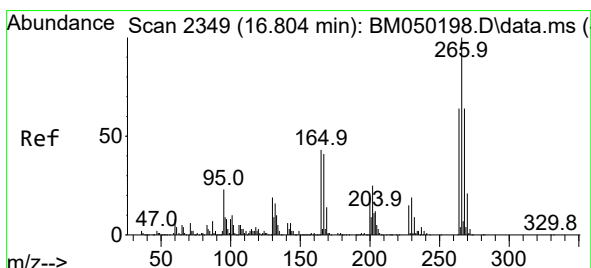
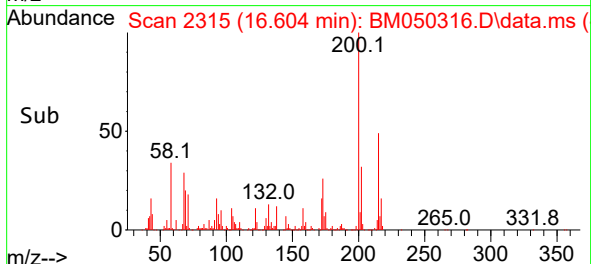
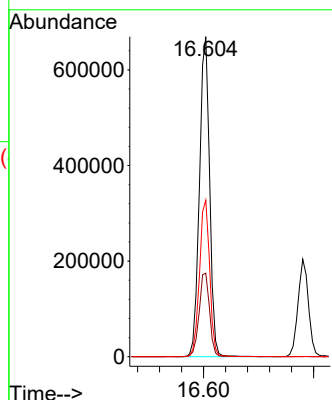
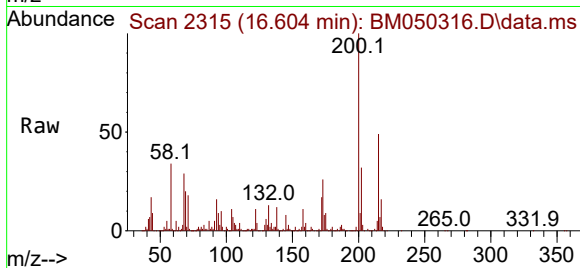
Tgt Ion:200 Resp: 861323

Ion Ratio Lower Upper

200 100

173 26.1 6.0 46.0

215 49.0 28.1 68.1



#70

Pentachlorophenol

Concen: 106.272 ng

RT: 16.780 min Scan# 2345

Delta R.T. -0.006 min

Lab File: BM050316.D

Acq: 14 Jun 2025 02:21

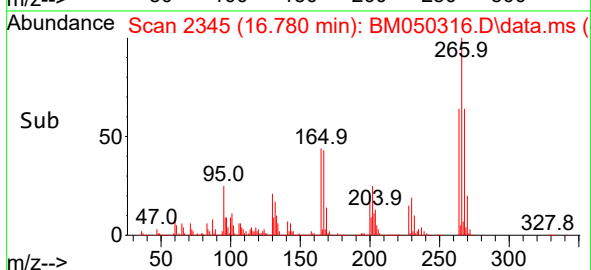
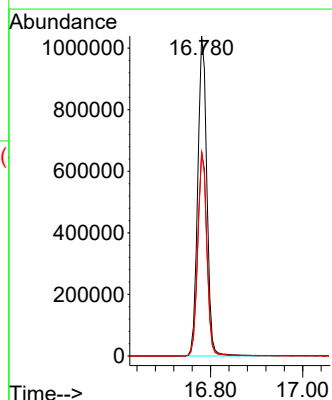
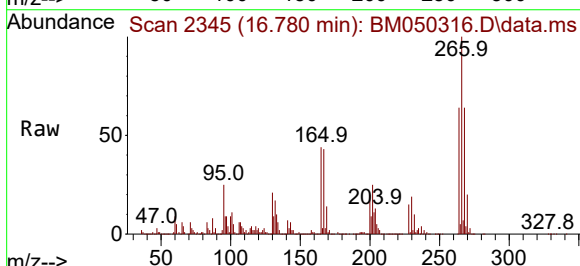
Tgt Ion:266 Resp: 1422201

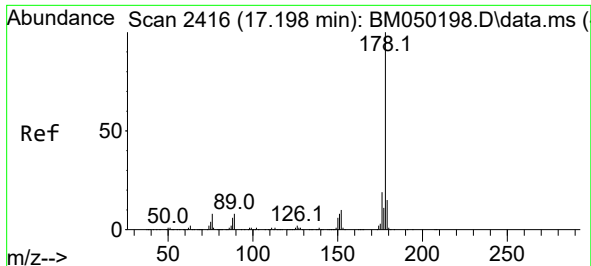
Ion Ratio Lower Upper

266 100

268 63.7 51.0 76.6

264 63.9 50.8 76.2

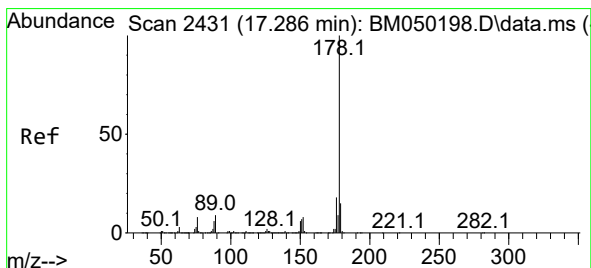
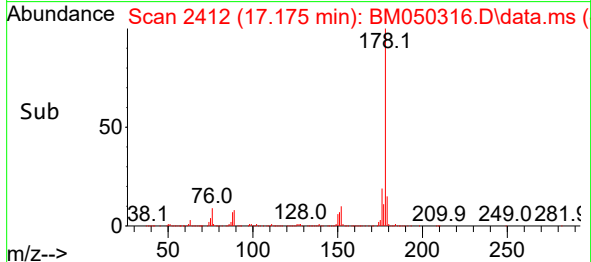
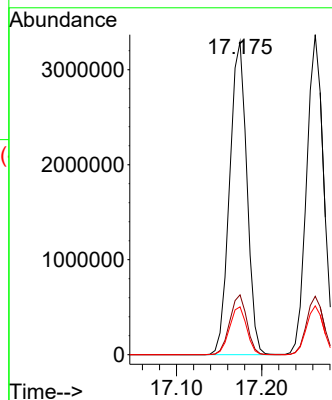
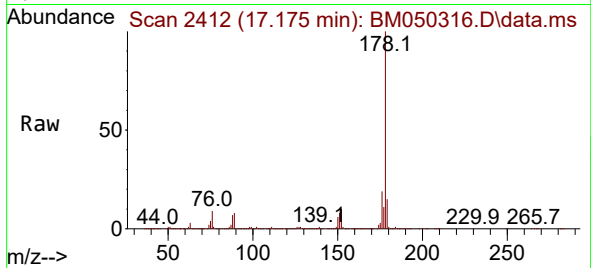




#71
Phenanthrene
Concen: 49.007 ng
RT: 17.175 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

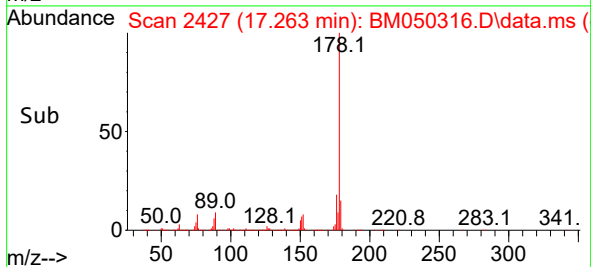
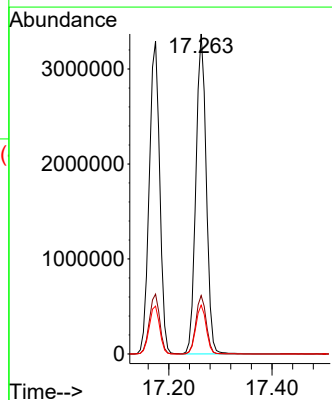
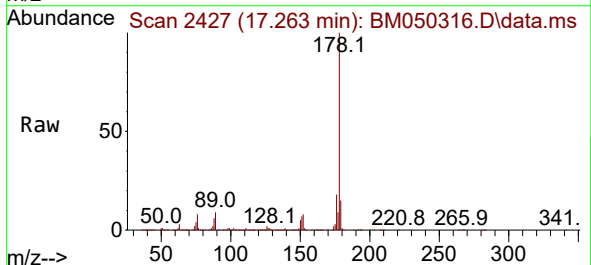
Instrument :
BNA_M
ClientSampleId :
PB168473BS

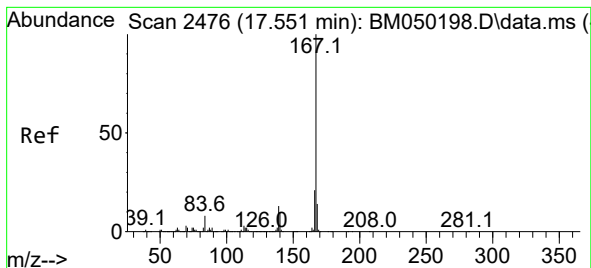
Tgt Ion:178 Resp: 4625253
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 15.3 12.3 18.5



#72
Anthracene
Concen: 49.524 ng
RT: 17.263 min Scan# 2427
Delta R.T. -0.006 min
Lab File: BM050316.D
Acq: 14 Jun 2025 02:21

Tgt Ion:178 Resp: 4675879
Ion Ratio Lower Upper
178 100
176 18.2 14.8 22.2
179 15.3 12.3 18.5





#73

Carbazole

Concen: 49.587 ng

RT: 17.527 min Scan# 24

Delta R.T. -0.006 min

Lab File: BM050316.D

Acq: 14 Jun 2025 02:21

Instrument :

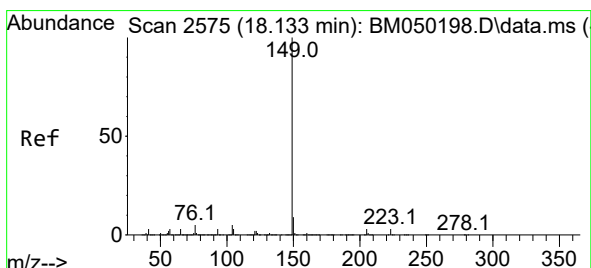
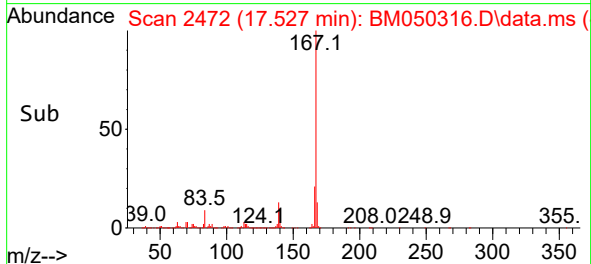
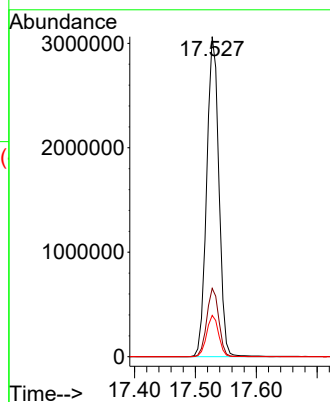
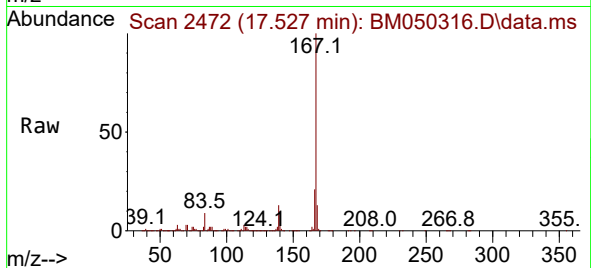
BNA_M

ClientSampleId :

PB168473BS

Tgt Ion:167 Resp: 4265267

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.0	25.6
139	12.9	10.2	15.4



#74

Di-n-butylphthalate

Concen: 52.550 ng

RT: 18.110 min Scan# 2571

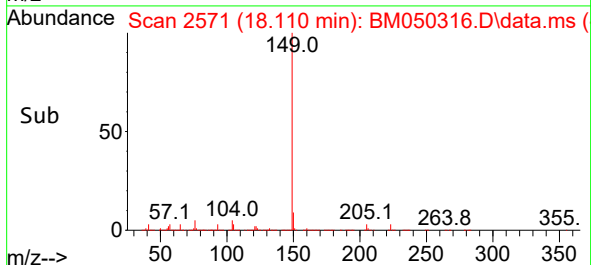
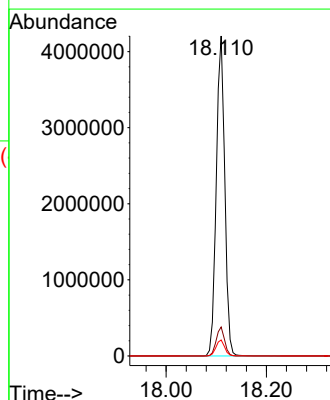
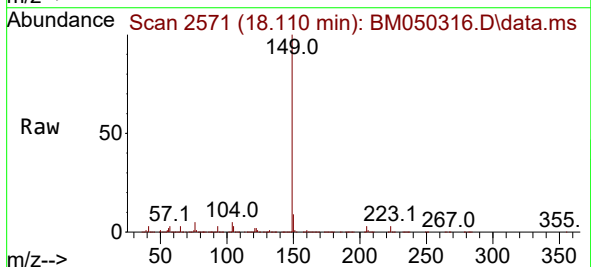
Delta R.T. -0.006 min

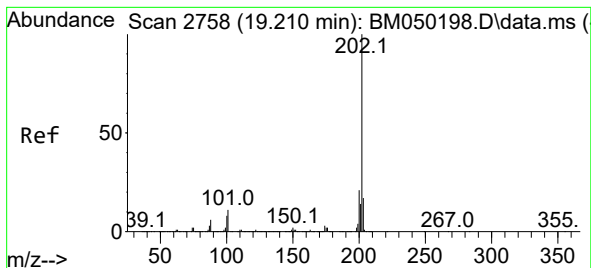
Lab File: BM050316.D

Acq: 14 Jun 2025 02:21

Tgt Ion:149 Resp: 4918175

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	5.0	4.0	6.0





#75

Fluoranthene

Concen: 49.754 ng

RT: 19.186 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM050316.D

Acq: 14 Jun 2025 02:21

Instrument :

BNA_M

ClientSampleId :

PB168473BS

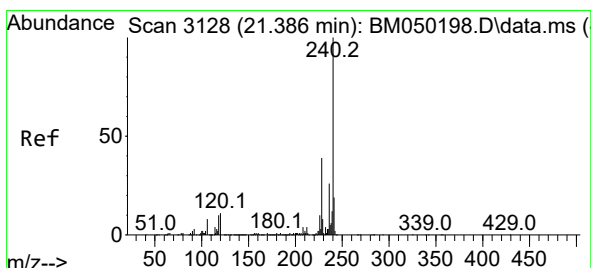
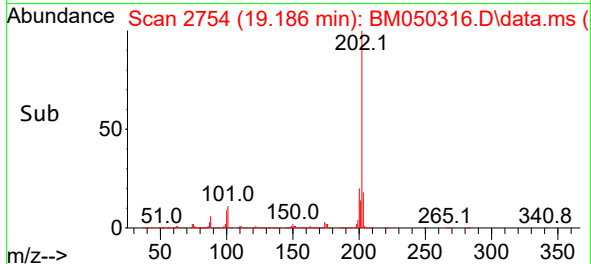
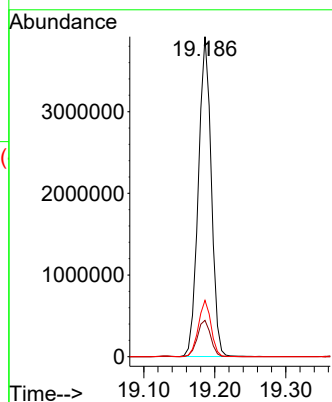
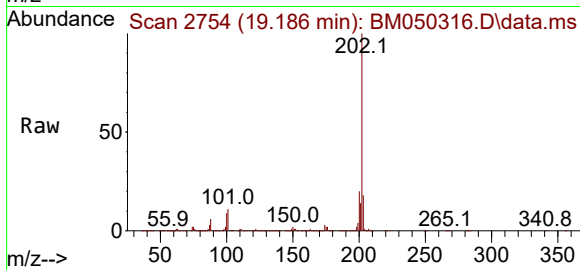
Tgt Ion:202 Resp: 4951978

Ion Ratio Lower Upper

202 100

101 11.4 0.0 31.1

203 17.6 0.0 37.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.357 min Scan# 3123

Delta R.T. -0.017 min

Lab File: BM050316.D

Acq: 14 Jun 2025 02:21

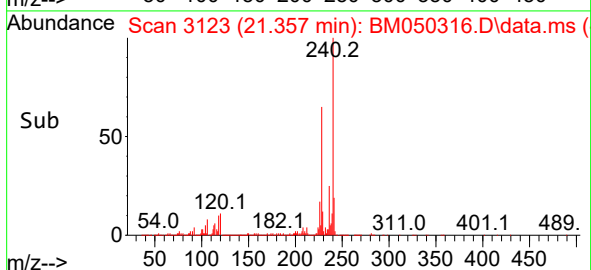
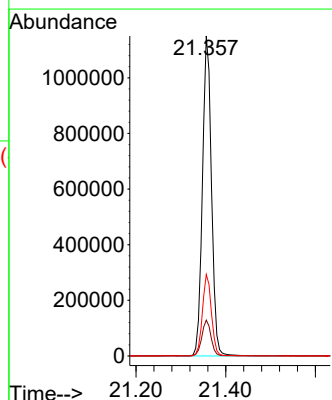
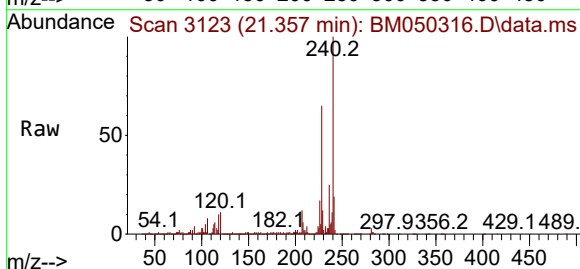
Tgt Ion:240 Resp: 1607876

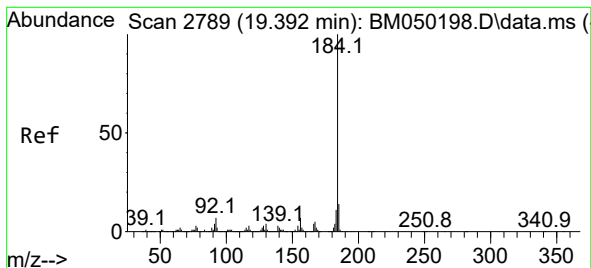
Ion Ratio Lower Upper

240 100

120 11.2 9.0 13.4

236 25.4 20.7 31.1





#77

Benzidine

Concen: 53.579 ng

RT: 19.369 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM050316.D

Acq: 14 Jun 2025 02:21

Instrument :

BNA_M

ClientSampleId :

PB168473BS

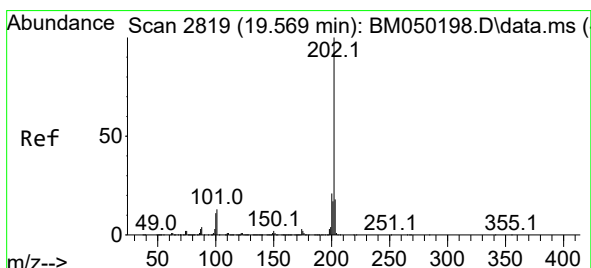
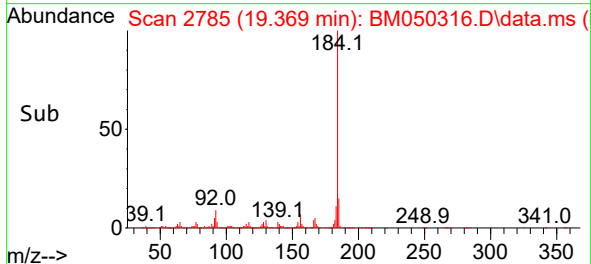
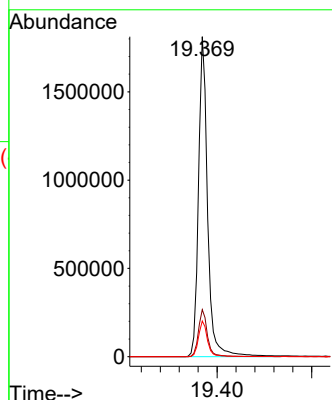
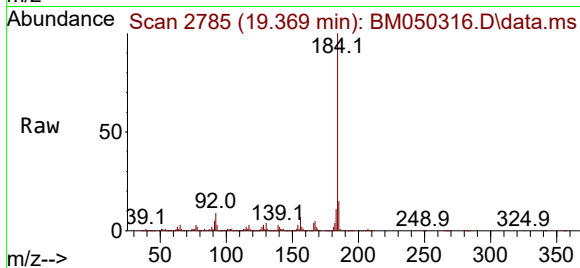
Tgt Ion:184 Resp: 2422584

Ion Ratio Lower Upper

184 100

185 14.7 11.5 17.3

183 11.2 9.0 13.4



#78

Pyrene

Concen: 48.412 ng

RT: 19.545 min Scan# 2815

Delta R.T. -0.011 min

Lab File: BM050316.D

Acq: 14 Jun 2025 02:21

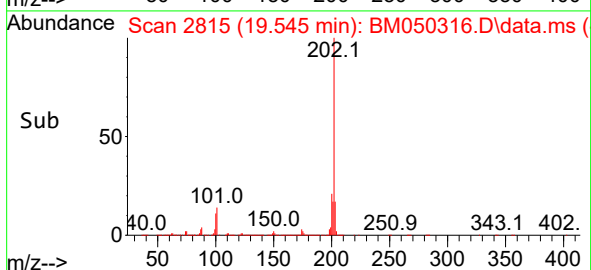
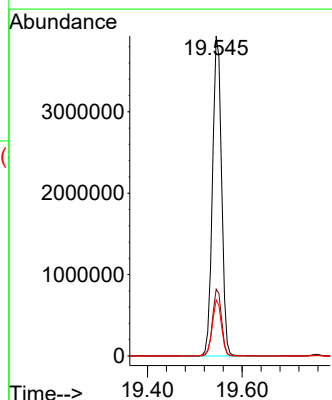
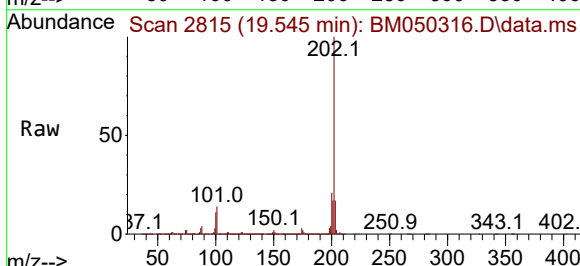
Tgt Ion:202 Resp: 5246503

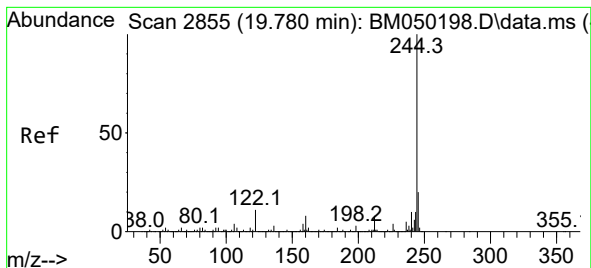
Ion Ratio Lower Upper

202 100

200 20.9 16.7 25.1

203 17.5 14.1 21.1





#79

Terphenyl-d14

Concen: 87.253 ng

RT: 19.757 min Scan# 2

Delta R.T. -0.011 min

Lab File: BM050316.D

Acq: 14 Jun 2025 02:21

Instrument :

BNA_M

ClientSampleId :

PB168473BS

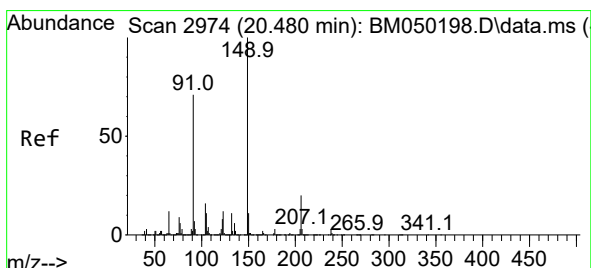
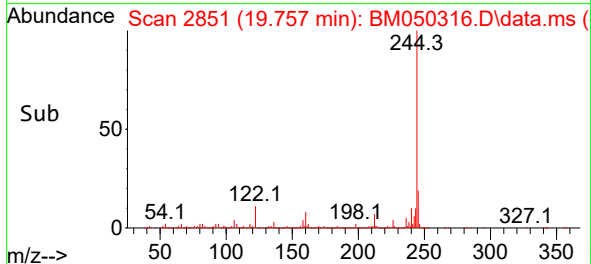
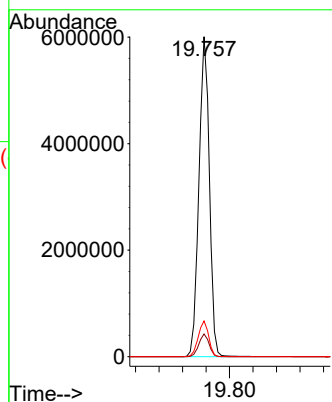
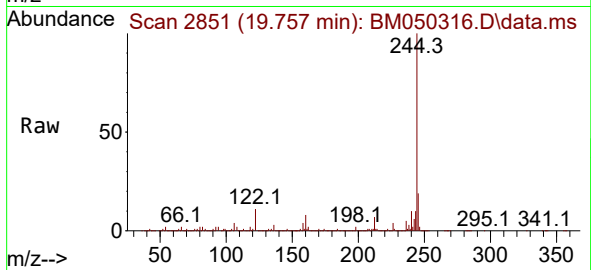
Tgt Ion:244 Resp: 7403178

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

122 11.1 8.6 12.8



#80

Butylbenzylphthalate

Concen: 54.318 ng

RT: 20.457 min Scan# 2970

Delta R.T. -0.011 min

Lab File: BM050316.D

Acq: 14 Jun 2025 02:21

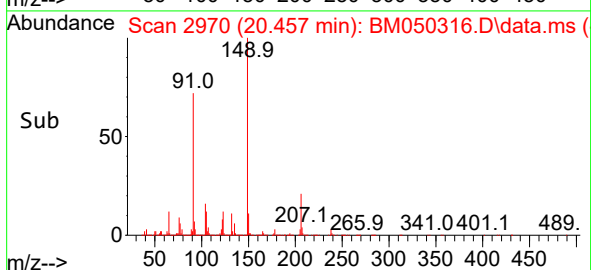
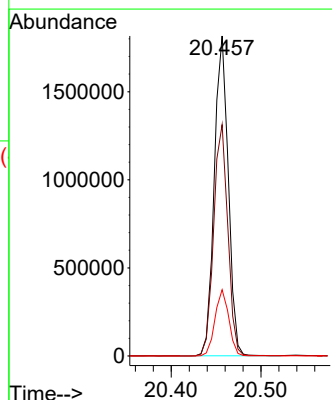
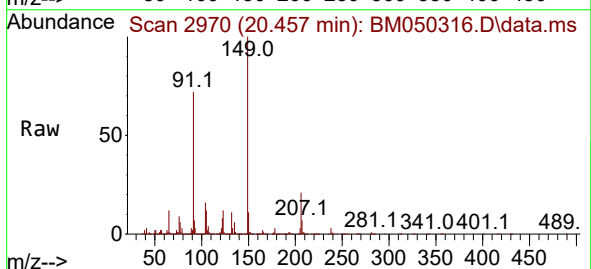
Tgt Ion:149 Resp: 1963549

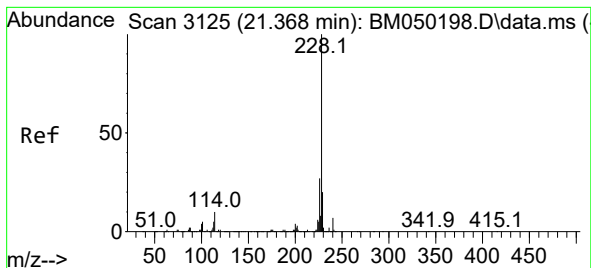
Ion Ratio Lower Upper

149 100

91 72.3 56.9 85.3

206 20.7 16.1 24.1





#81

Benzo(a)anthracene

Concen: 49.258 ng

RT: 21.339 min Scan# 31

Delta R.T. -0.011 min

Lab File: BM050316.D

Acq: 14 Jun 2025 02:21

Instrument :

BNA_M

ClientSampleId :

PB168473BS

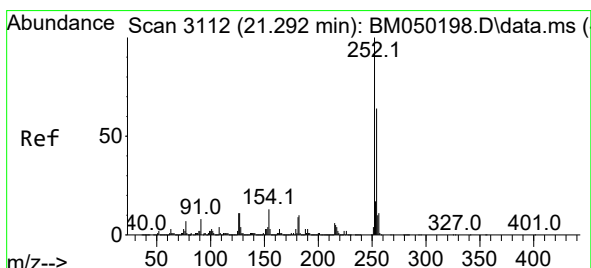
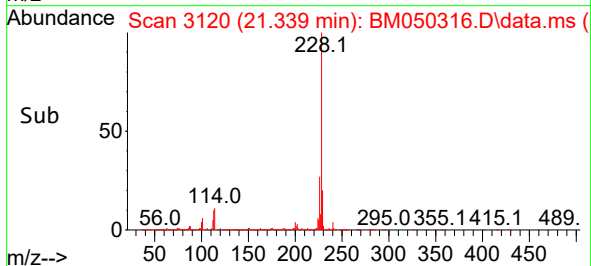
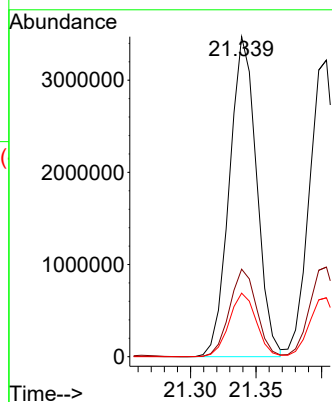
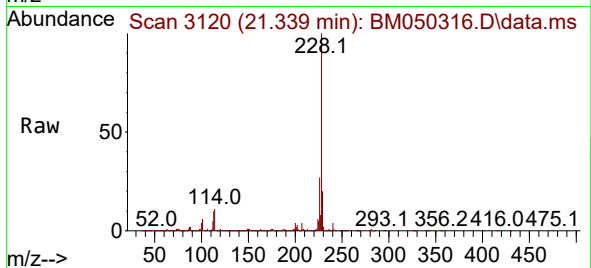
Tgt Ion:228 Resp: 5013077

Ion Ratio Lower Upper

228 100

226 27.4 21.7 32.5

229 19.8 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 39.510 ng

RT: 21.262 min Scan# 3107

Delta R.T. -0.011 min

Lab File: BM050316.D

Acq: 14 Jun 2025 02:21

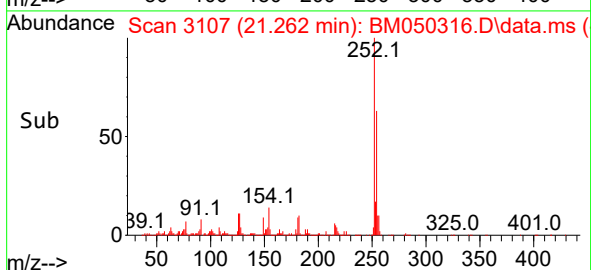
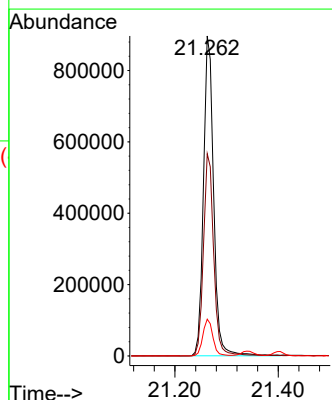
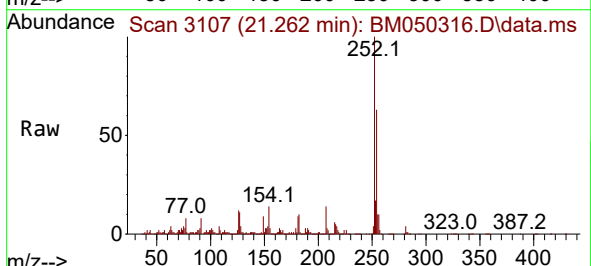
Tgt Ion:252 Resp: 1226204

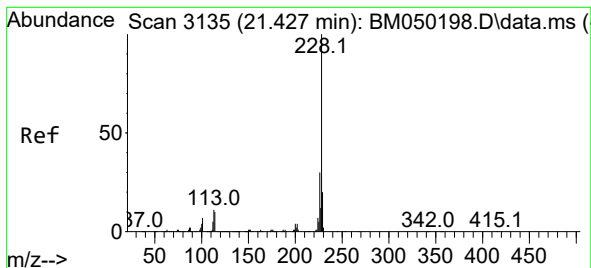
Ion Ratio Lower Upper

252 100

254 63.2 51.4 77.0

126 11.5 8.6 12.8





#83

Chrysene

Concen: 49.332 ng

RT: 21.404 min Scan# 31

Delta R.T. -0.011 min

Lab File: BM050316.D

Acq: 14 Jun 2025 02:21

Instrument :

BNA_M

ClientSampleId :

PB168473BS

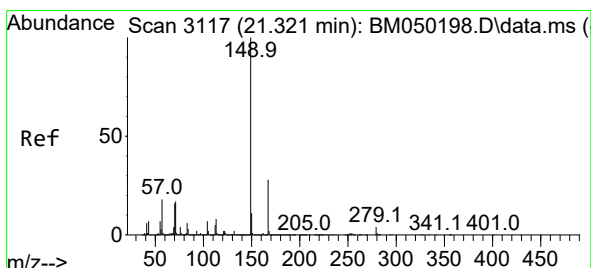
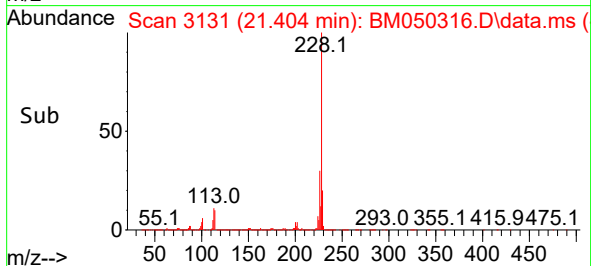
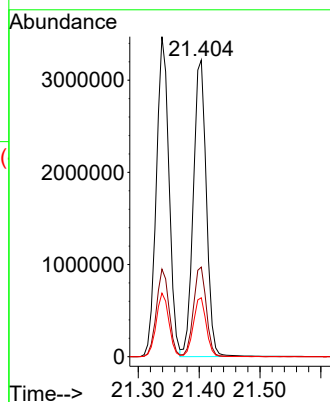
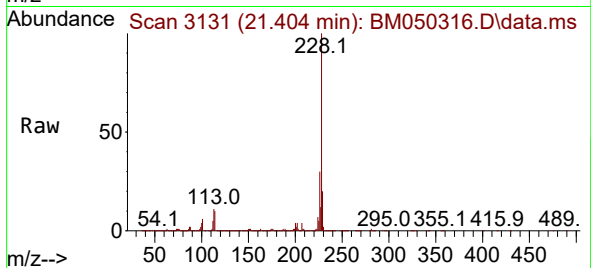
Tgt Ion:228 Resp: 4775717

Ion Ratio Lower Upper

228 100

226 30.2 24.3 36.5

229 19.9 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 54.173 ng

RT: 21.280 min Scan# 3110

Delta R.T. -0.023 min

Lab File: BM050316.D

Acq: 14 Jun 2025 02:21

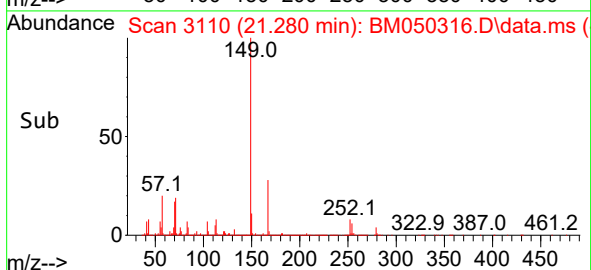
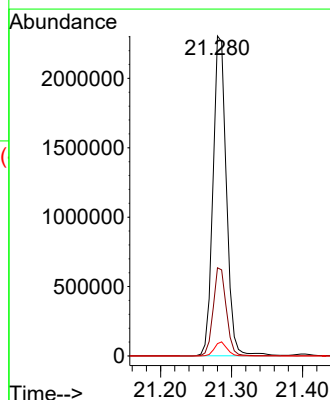
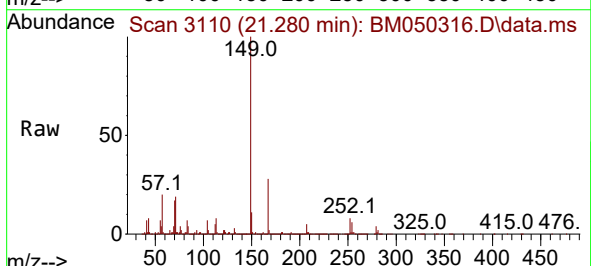
Tgt Ion:149 Resp: 3016442

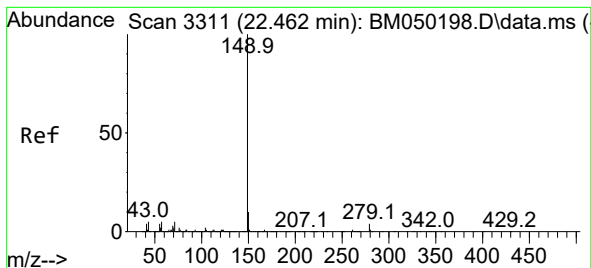
Ion Ratio Lower Upper

149 100

167 27.5 22.3 33.5

279 3.9 3.5 5.3





#85

Di-n-octyl phthalate

Concen: 56.627 ng

RT: 22.409 min Scan# 31

Delta R.T. -0.029 min

Lab File: BM050316.D

Acq: 14 Jun 2025 02:21

Instrument :

BNA_M

ClientSampleId :

PB168473BS

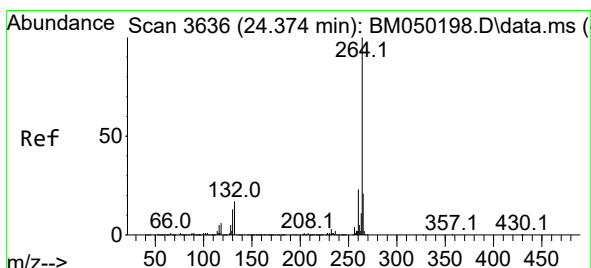
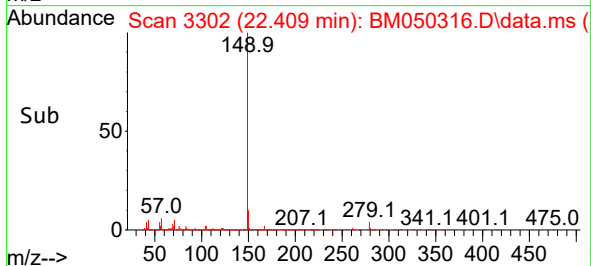
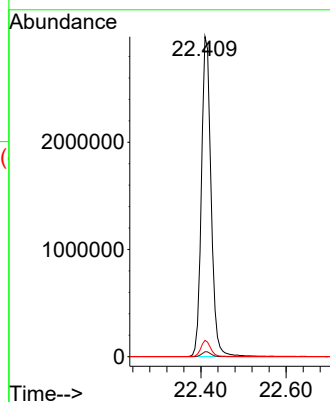
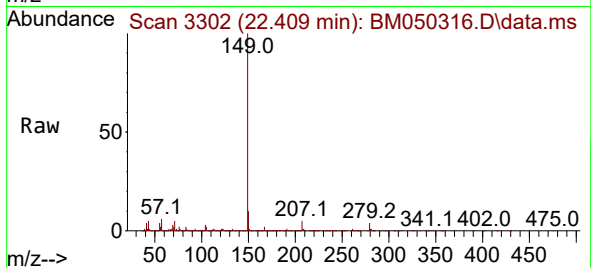
Tgt Ion:149 Resp: 4678839

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

43 5.1 3.8 5.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.327 min Scan# 3628

Delta R.T. -0.017 min

Lab File: BM050316.D

Acq: 14 Jun 2025 02:21

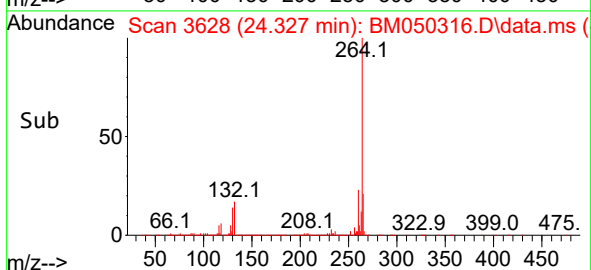
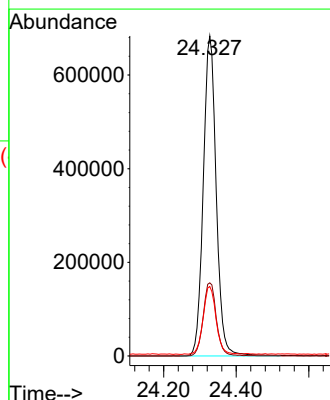
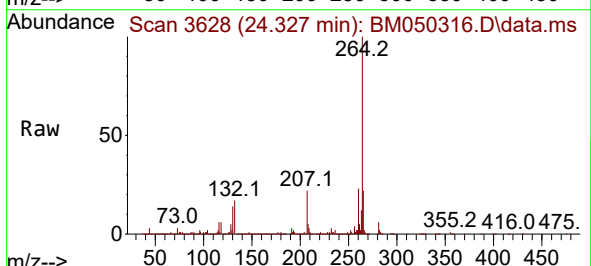
Tgt Ion:264 Resp: 1691583

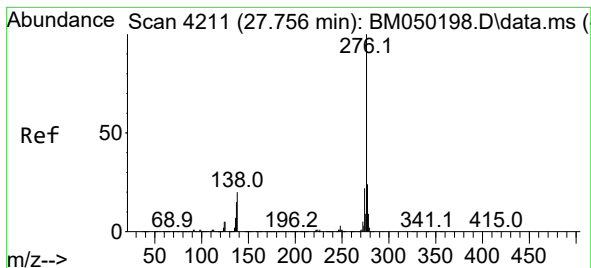
Ion Ratio Lower Upper

264 100

260 22.8 18.6 28.0

265 21.7 16.8 25.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 57.971 ng

RT: 27.680 min Scan# 41

Delta R.T. -0.029 min

Lab File: BM050316.D

Acq: 14 Jun 2025 02:21

Instrument :

BNA_M

ClientSampleId :

PB168473BS

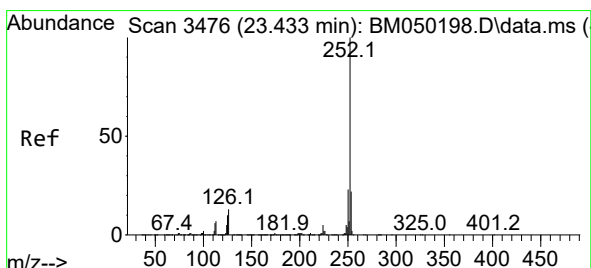
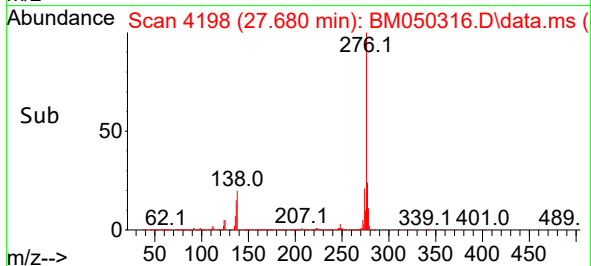
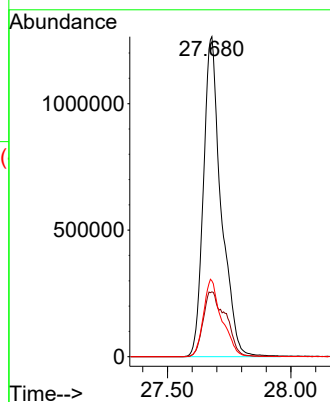
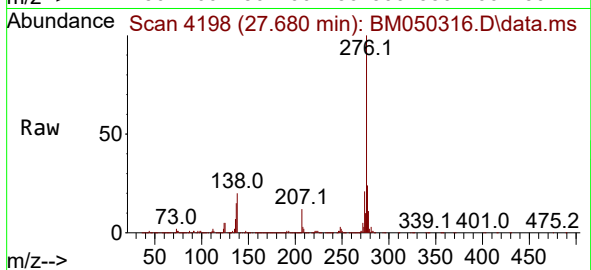
Tgt Ion:276 Resp: 6314023

Ion Ratio Lower Upper

276 100

138 25.8 20.6 30.8

277 25.1 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 49.858 ng

RT: 23.392 min Scan# 3469

Delta R.T. -0.017 min

Lab File: BM050316.D

Acq: 14 Jun 2025 02:21

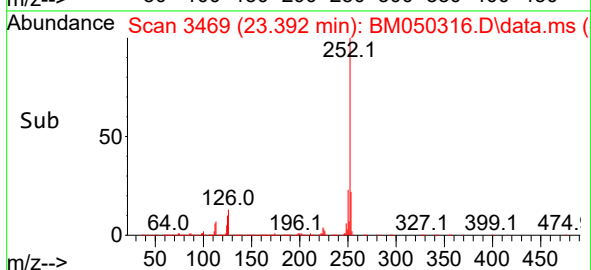
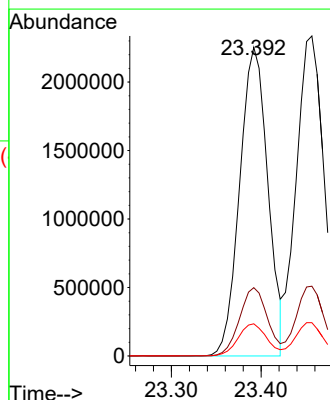
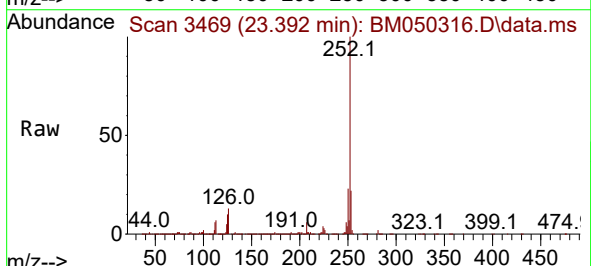
Tgt Ion:252 Resp: 4903475

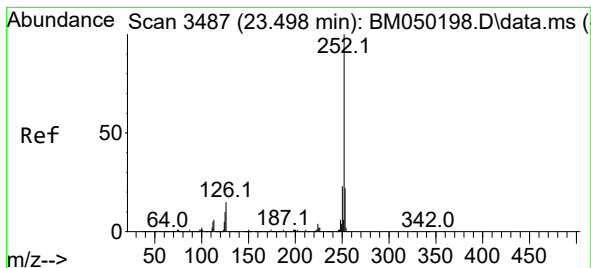
Ion Ratio Lower Upper

252 100

253 22.1 17.2 25.8

125 10.4 8.2 12.4





#89

Benzo(k)fluoranthene

Concen: 50.794 ng

RT: 23.456 min Scan# 34

Delta R.T. -0.017 min

Lab File: BM050316.D

Acq: 14 Jun 2025 02:21

Instrument :

BNA_M

ClientSampleId :

PB168473BS

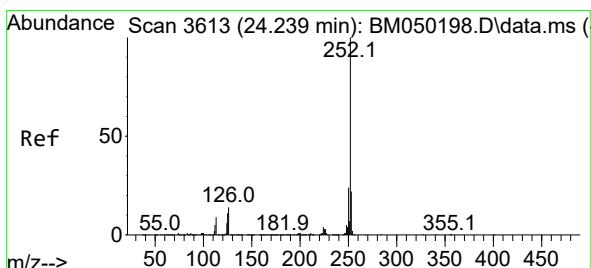
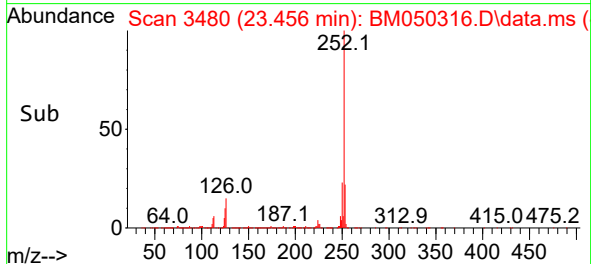
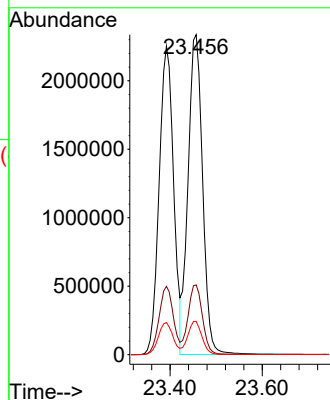
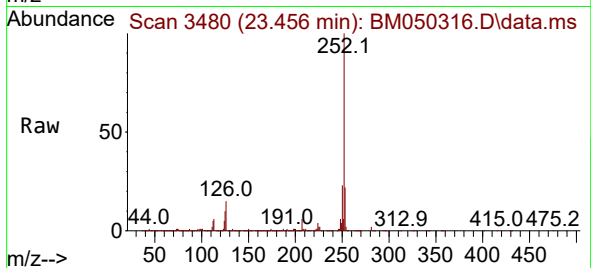
Tgt Ion:252 Resp: 5099756

Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.2

125 10.4 8.2 12.4



#90

Benzo(a)pyrene

Concen: 52.377 ng

RT: 24.192 min Scan# 3605

Delta R.T. -0.017 min

Lab File: BM050316.D

Acq: 14 Jun 2025 02:21

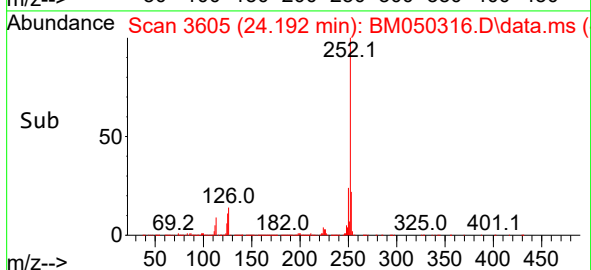
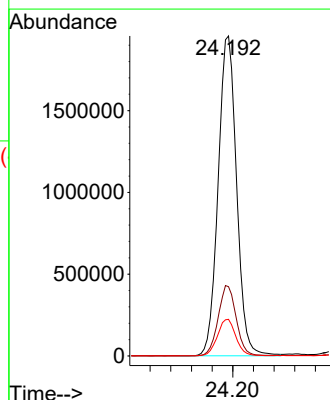
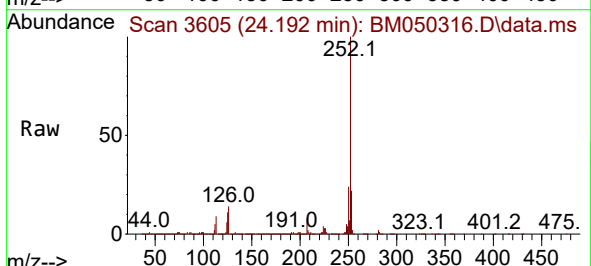
Tgt Ion:252 Resp: 4843305

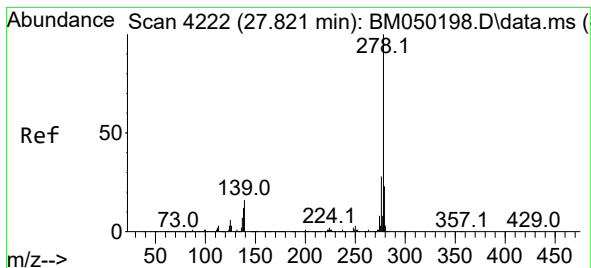
Ion Ratio Lower Upper

252 100

253 21.6 17.6 26.4

125 11.4 9.0 13.4





#91

Dibenzo(a,h)anthracene

Concen: 58.303 ng

RT: 27.739 min Scan# 41

Delta R.T. -0.029 min

Lab File: BM050316.D

Acq: 14 Jun 2025 02:21

Instrument :

BNA_M

ClientSampleId :

PB168473BS

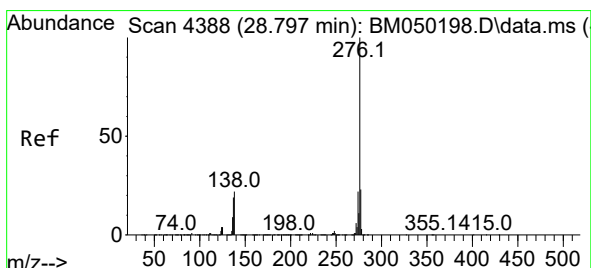
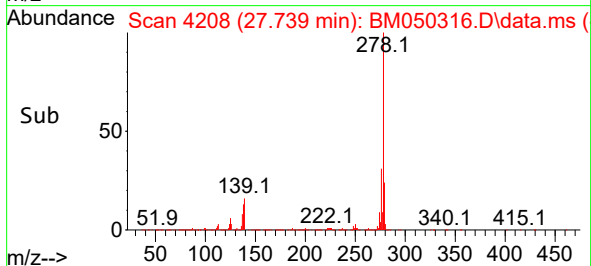
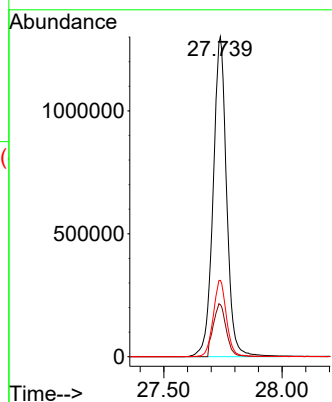
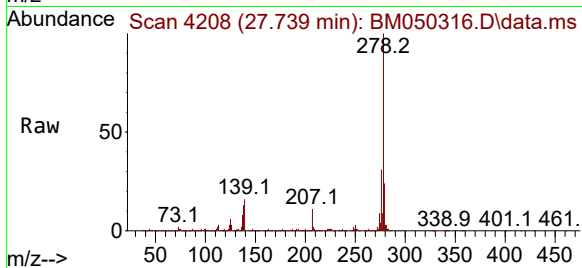
Tgt Ion:278 Resp: 5154521

Ion Ratio Lower Upper

278 100

139 16.3 12.8 19.2

279 23.8 18.6 28.0



#92

Benzo(g,h,i)perylene

Concen: 58.974 ng

RT: 28.721 min Scan# 4375

Delta R.T. -0.029 min

Lab File: BM050316.D

Acq: 14 Jun 2025 02:21

Tgt Ion:276 Resp: 5218399

Ion Ratio Lower Upper

276 100

277 23.9 18.6 27.8

138 21.8 17.8 26.6

