

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
 Data File : BM049861.D
 Acq On : 09 Apr 2025 10:27
 Operator : RC/JU
 Sample : PB167521BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB167521BS

Quant Time: Apr 09 11:50:46 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 09 04:00:55 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	336910	20.000	ng	0.00
21) Naphthalene-d8	10.569	136	1172193	20.000	ng	0.00
39) Acenaphthene-d10	14.421	164	730256	20.000	ng	0.00
64) Phenanthrene-d10	17.162	188	1422911	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1400193	20.000	ng	0.00
86) Perylene-d12	24.391	264	1421398	20.000	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	2359326	118.913	ng	0.00
7) Phenol-d6	6.951	99	2904820	117.673	ng	0.00
23) Nitrobenzene-d5	8.933	82	1673050	79.479	ng	0.00
42) 2,4,6-Tribromophenol	15.909	330	1380194	129.939	ng	0.00
45) 2-Fluorobiphenyl	13.039	172	4447030	82.577	ng	0.00
79) Terphenyl-d14	19.786	244	7050422	94.364	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	3.257	88	262686	32.148	ng	99
3) Pyridine	3.657	79	736378	34.301	ng	99
4) n-Nitrosodimethylamine	3.563	42	321708	39.377	ng	98
6) Aniline	7.104	93	786603	37.187	ng	100
8) 2-Chlorophenol	7.345	128	846424	41.628	ng	99
9) Benzaldehyde	6.916	77	452619	35.730	ng	98
10) Phenol	6.981	94	1015187	42.142	ng	98
11) bis(2-Chloroethyl)ether	7.198	93	781591	41.374	ng	99
12) 1,3-Dichlorobenzene	7.669	146	976490	40.621	ng	99
13) 1,4-Dichlorobenzene	7.810	146	989229	40.897	ng	99
14) 1,2-Dichlorobenzene	8.128	146	941895	41.342	ng	100
15) Benzyl Alcohol	8.016	79	656468	42.231	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.304	45	909970	43.218	ng	99
17) 2-Methylphenol	8.222	107	653053	43.991	ng	98
18) Hexachloroethane	8.857	117	345101	41.009	ng	98
19) n-Nitroso-di-n-propyla...	8.586	70	585502	42.824	ng	98
20) 3+4-Methylphenols	8.551	107	881759	43.568	ng	99
22) Acetophenone	8.598	105	1168530	41.018	ng	# 99
24) Nitrobenzene	8.975	77	821968	40.552	ng	98
25) Isophorone	9.504	82	1536740	43.579	ng	99
26) 2-Nitrophenol	9.686	139	430155	40.040	ng	99
27) 2,4-Dimethylphenol	9.751	122	738065	60.621	ng	99
28) bis(2-Chloroethoxy)met...	9.980	93	981482	41.574	ng	99
29) 2,4-Dichlorophenol	10.222	162	842978	41.653	ng	99
30) 1,2,4-Trichlorobenzene	10.433	180	943265	40.289	ng	99
31) Naphthalene	10.622	128	2371128	39.367	ng	99
32) Benzoic acid	9.886	122	519818	36.856	ng	97
33) 4-Chloroaniline	10.727	127	451143	21.212	ng	98
34) Hexachlorobutadiene	10.910	225	596021	41.155	ng	99
35) Caprolactam	11.510	113	229193	39.485	ng	96
36) 4-Chloro-3-methylphenol	11.863	107	741890	41.849	ng	99
37) 2-Methylnaphthalene	12.233	142	1561901	36.805	ng	100
38) 1-Methylnaphthalene	12.457	142	1638645	39.635	ng	99
40) 1,2,4,5-Tetrachloroben...	12.610	216	1082730	42.381	ng	98
41) Hexachlorocyclopentadiene	12.592	237	1584026	176.945	ng	99
43) 2,4,6-Trichlorophenol	12.851	196	701162	43.130	ng	98

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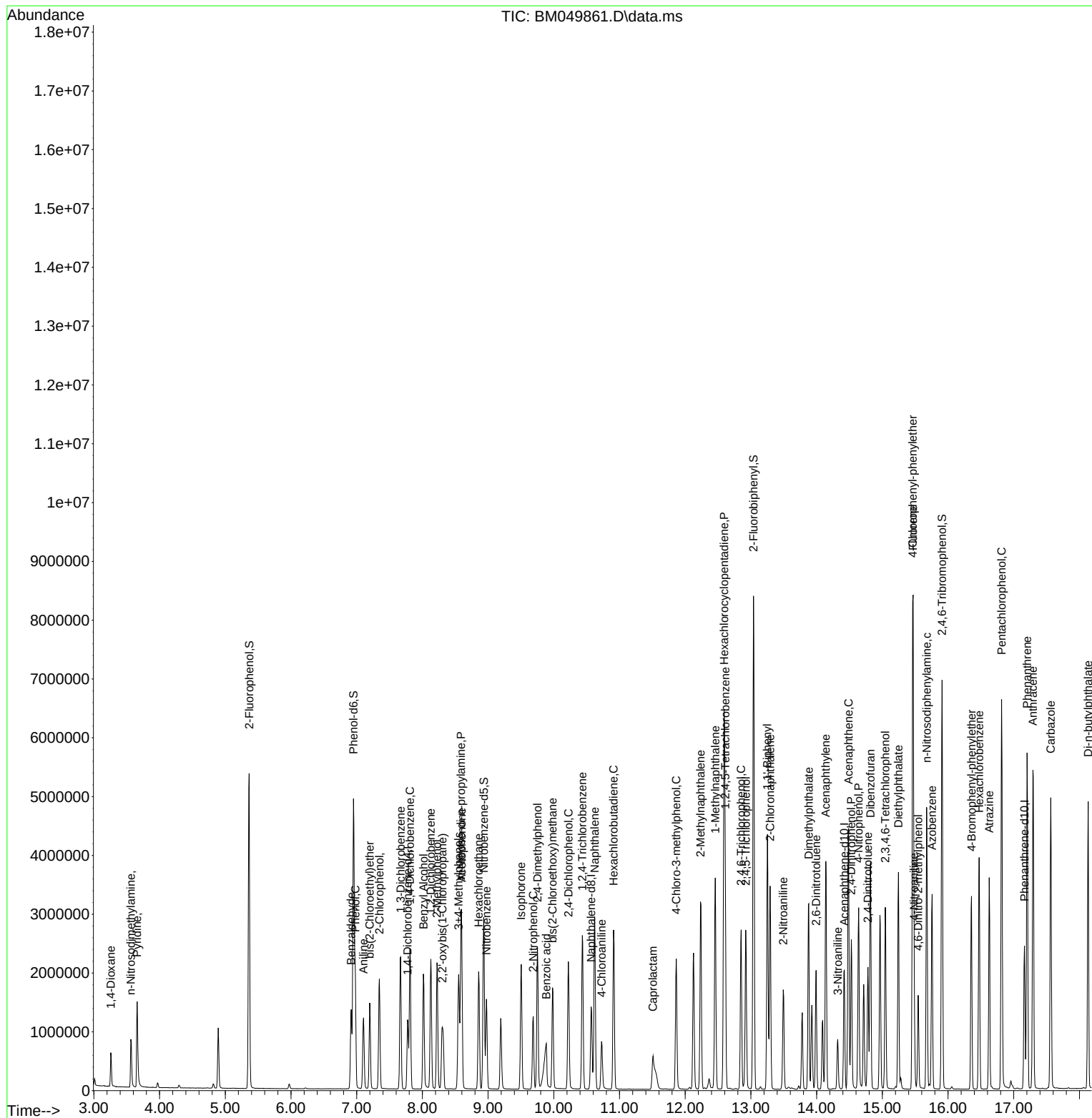
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.921	196	762647	43.169	ng	100
46) 1,1'-Biphenyl	13.251	154	2258251	41.600	ng	99
47) 2-Chloronaphthalene	13.292	162	1799659	42.179	ng	99
48) 2-Nitroaniline	13.492	65	431984	43.764	ng	96
49) Acenaphthylene	14.139	152	2838072	45.664	ng	100
50) Dimethylphthalate	13.880	163	2167102	42.064	ng	100
51) 2,6-Dinitrotoluene	13.992	165	468618	43.415	ng	96
52) Acenaphthene	14.486	154	1650214	41.742	ng	99
53) 3-Nitroaniline	14.321	138	231391	22.180	ng	98
54) 2,4-Dinitrophenol	14.527	184	627402	80.241	ng	97
55) Dibenzofuran	14.821	168	2688052	40.674	ng	99
56) 4-Nitrophenol	14.639	139	859247	92.427	ng	100
57) 2,4-Dinitrotoluene	14.780	165	659596	45.806	ng	98
58) Fluorene	15.468	166	2242323	42.685	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.045	232	651304	42.062	ng	99
60) Diethylphthalate	15.245	149	2033089	41.151	ng	99
61) 4-Chlorophenyl-phenyle...	15.462	204	1214951	43.138	ng	100
62) 4-Nitroaniline	15.486	138	448934	41.612	ng	97
63) Azobenzene	15.757	77	1748674	41.341	ng	98
65) 4,6-Dinitro-2-methylph...	15.545	198	390616	43.564	ng	99
66) n-Nitrosodiphenylamine	15.674	169	1888370	44.346	ng	100
67) 4-Bromophenyl-phenylether	16.356	248	716854	43.398	ng	97
68) Hexachlorobenzene	16.474	284	829113	43.760	ng	98
69) Atrazine	16.627	200	686882	62.213	ng	99
70) Pentachlorophenol	16.815	266	1213366	86.985	ng	99
71) Phenanthrene	17.203	178	3414386	43.769	ng	100
72) Anthracene	17.292	178	3489185	45.387	ng	99
73) Carbazole	17.562	167	3162399	43.674	ng	99
74) Di-n-butylphthalate	18.133	149	3486809	41.808	ng	99
75) Fluoranthene	19.221	202	4035546	42.074	ng	99
77) Benzidine	19.403	184	1680751	90.482	ng	100
78) Pyrene	19.580	202	4223716	43.770	ng	100
80) Butylbenzylphthalate	20.486	149	1532691	42.270	ng	97
81) Benzo(a)anthracene	21.380	228	4096069	44.017	ng	100
82) 3,3'-Dichlorobenzidine	21.303	252	825078	23.478	ng	100
83) Chrysene	21.444	228	3809504	43.060	ng	100
84) Bis(2-ethylhexyl)phtha...	21.309	149	2204910	41.737	ng	99
85) Di-n-octyl phthalate	22.438	149	3700122	40.036	ng	100
87) Indeno(1,2,3-cd)pyrene	27.779	276	4713585	44.488	ng	99
88) Benzo(b)fluoranthene	23.450	252	3803665	41.900	ng	100
89) Benzo(k)fluoranthene	23.515	252	3915062	44.504	ng	100
90) Benzo(a)pyrene	24.256	252	3700670	46.391	ng	99
91) Dibenzo(a,h)anthracene	27.832	278	3840955	44.011	ng	99
92) Benzo(g,h,i)perylene	28.832	276	3776735	42.349	ng	99

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

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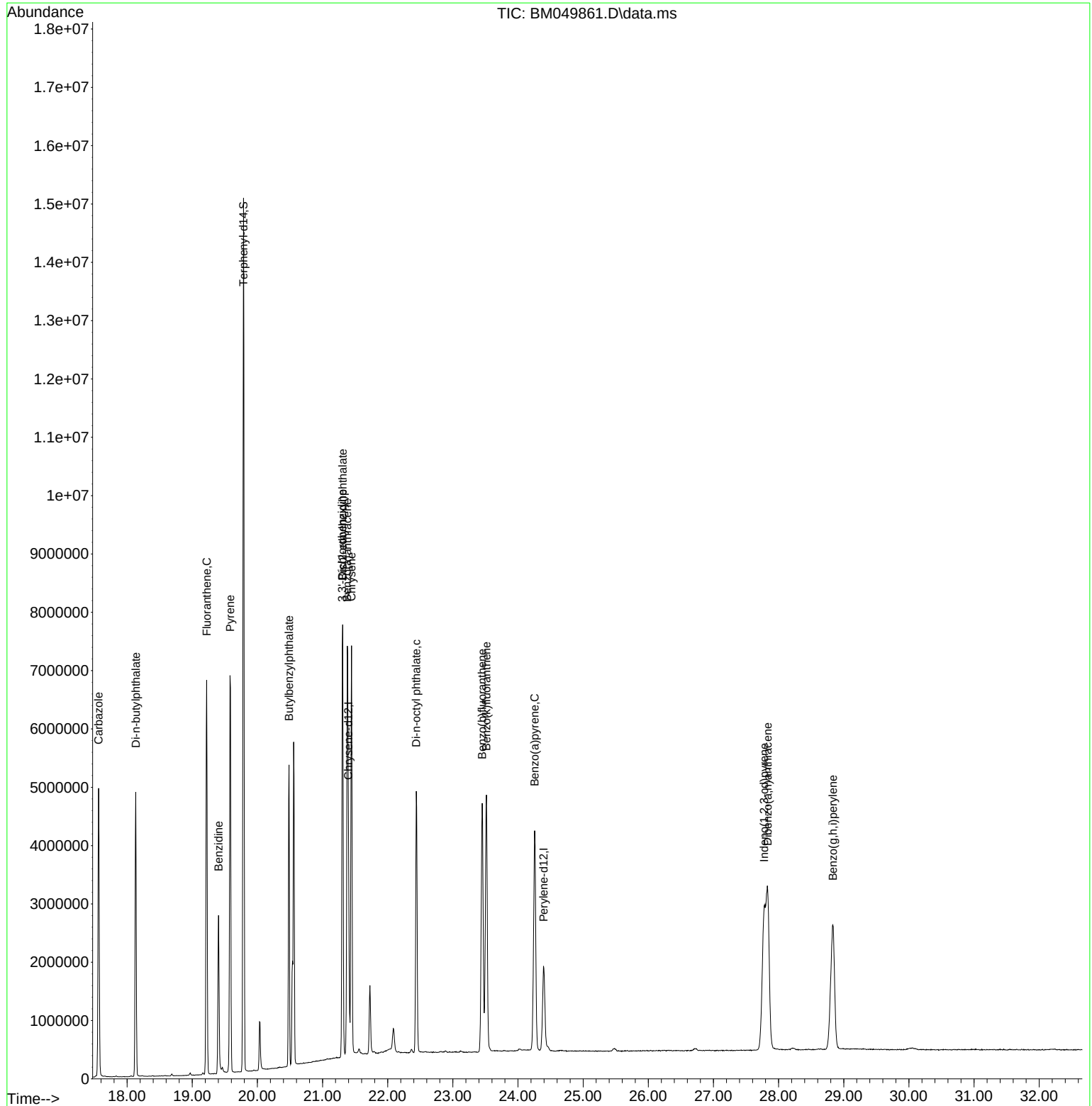
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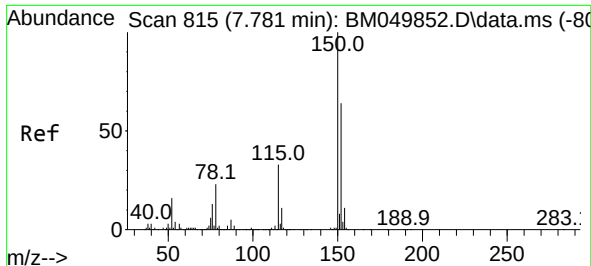


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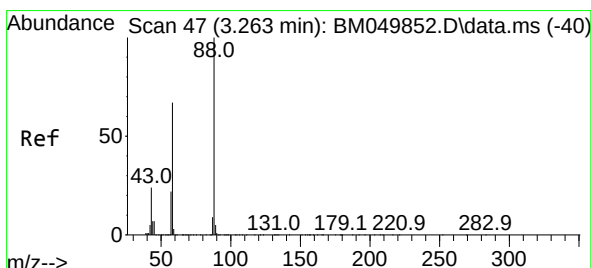
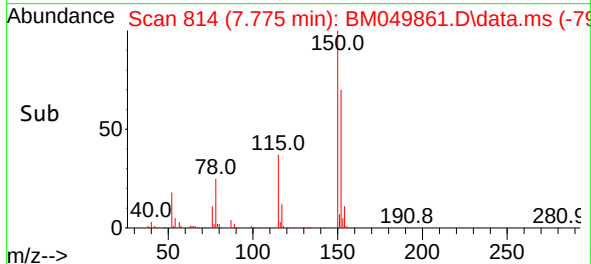
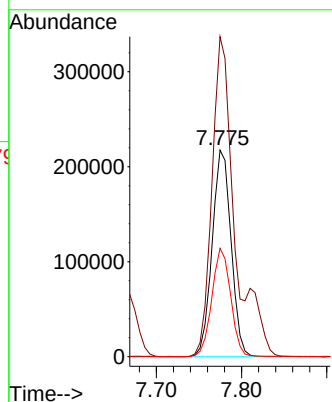
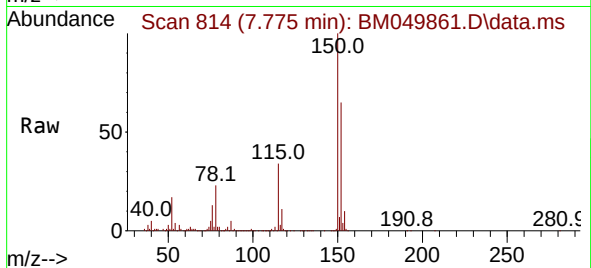




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

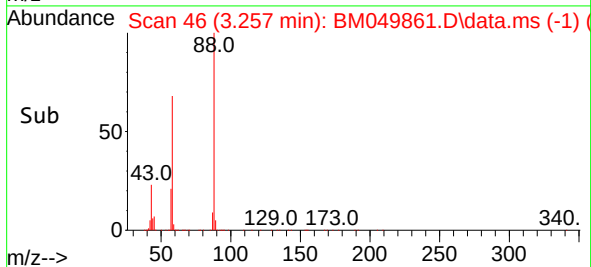
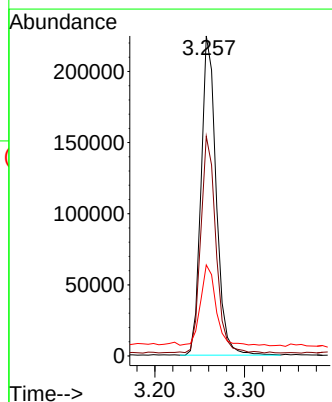
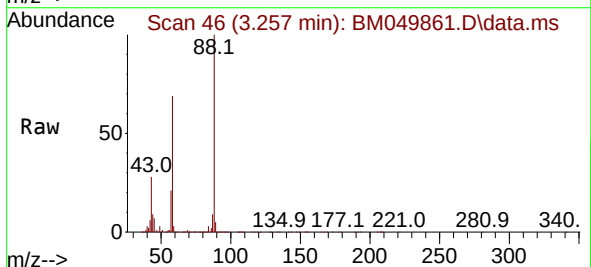
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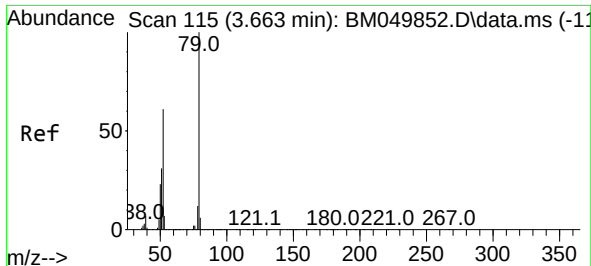
Tgt Ion:152 Resp: 336910
Ion Ratio Lower Upper
152 100
150 154.9 124.3 186.5
115 52.5 41.1 61.7



#2
1,4-Dioxane
Concen: 32.148 ng
RT: 3.257 min Scan# 46
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion: 88 Resp: 262686
Ion Ratio Lower Upper
88 100
58 68.1 54.1 81.1
43 26.6 20.2 30.4

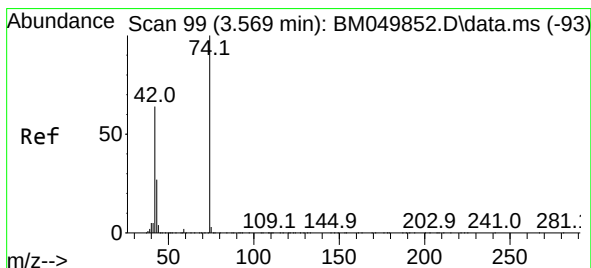
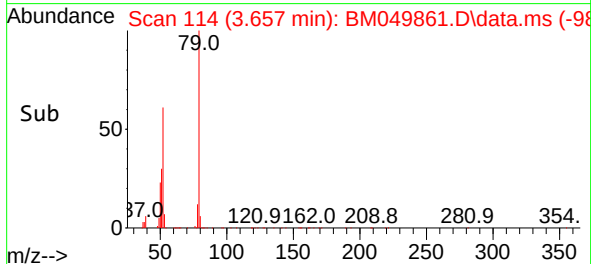
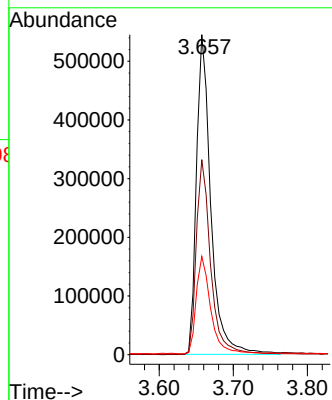
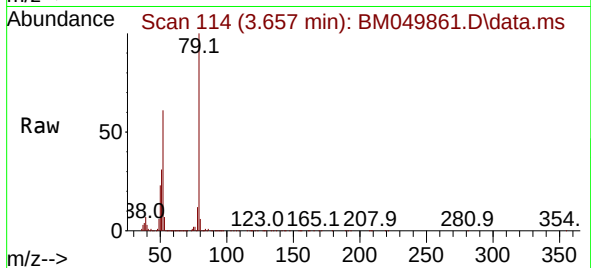




#3
Pyridine
Concen: 34.301 ng
RT: 3.657 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

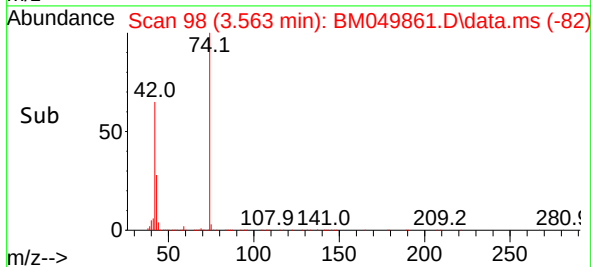
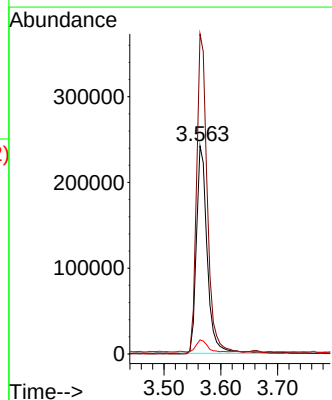
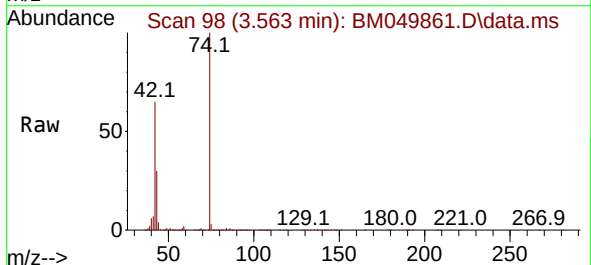
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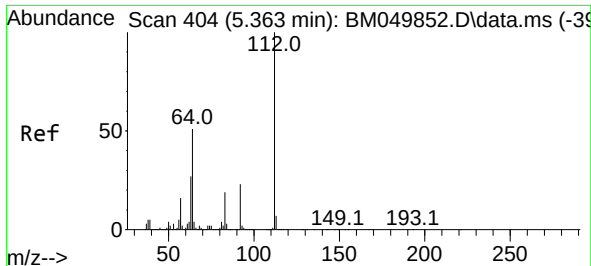
Tgt Ion: 79 Resp: 736378
Ion Ratio Lower Upper
79 100
52 60.9 48.9 73.3
51 30.7 25.0 37.6



#4
n-Nitrosodimethylamine
Concen: 39.377 ng
RT: 3.563 min Scan# 98
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion: 42 Resp: 321708
Ion Ratio Lower Upper
42 100
74 153.9 125.4 188.2
44 6.8 5.9 8.9

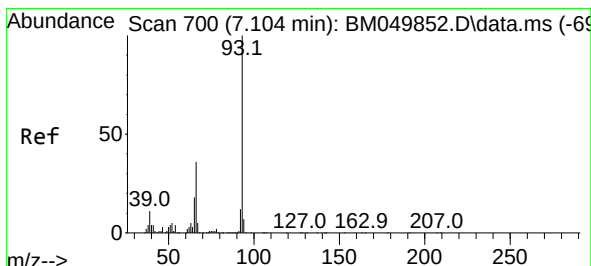
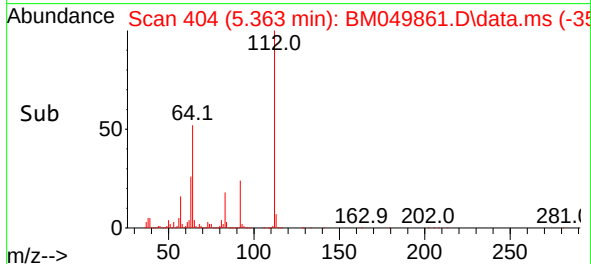
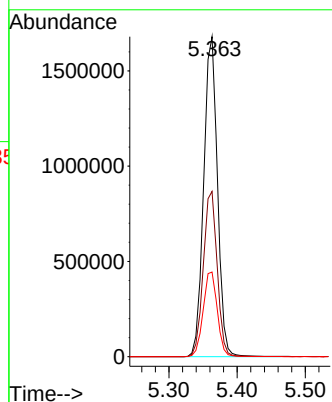
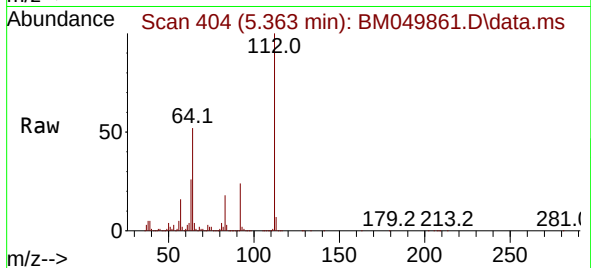




#5
2-Fluorophenol
Concen: 118.913 ng
RT: 5.363 min Scan# 404
Delta R.T. -0.000 min
Lab File: BM049861.D
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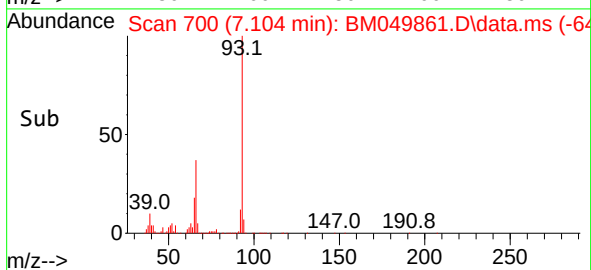
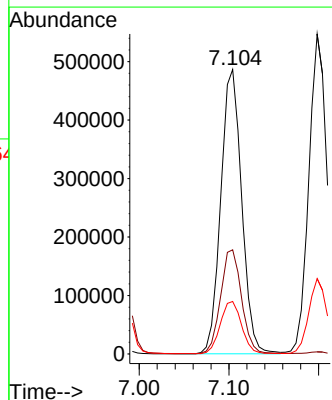
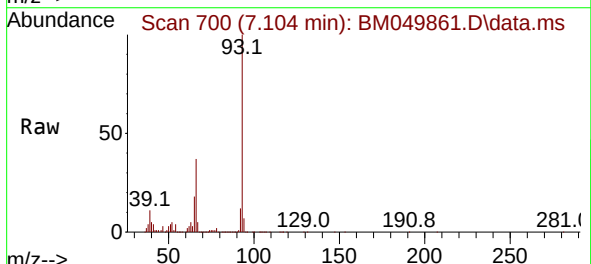
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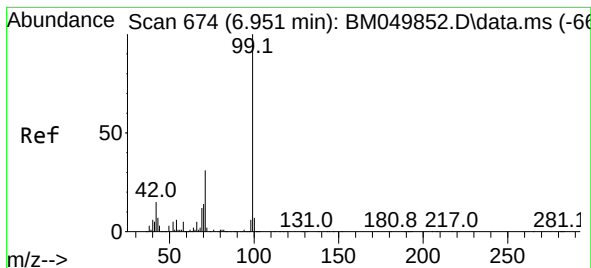
Tgt Ion:112 Resp: 2359326
Ion Ratio Lower Upper
112 100
64 51.6 41.0 61.6
63 26.5 21.5 32.3



#6
Aniline
Concen: 37.187 ng
RT: 7.104 min Scan# 700
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion: 93 Resp: 786603
Ion Ratio Lower Upper
93 100
66 36.6 29.1 43.7
65 18.4 14.9 22.3





#7

Phenol-d6

Concen: 117.673 ng

RT: 6.951 min Scan# 61

Delta R.T. -0.000 min

Lab File: BM049861.D

Acq: 09 Apr 2025 10:27

Instrument :

BNA_M

ClientSampleId :

PB167521BS

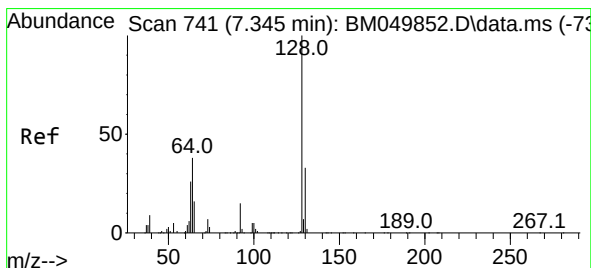
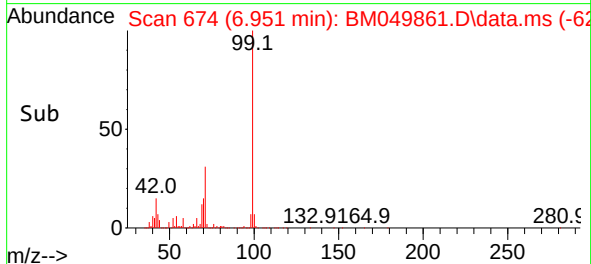
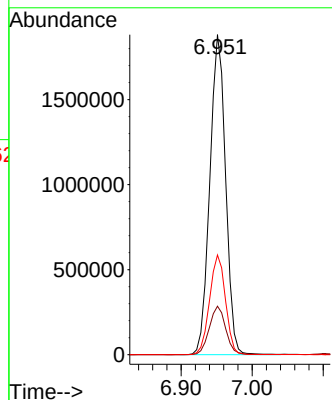
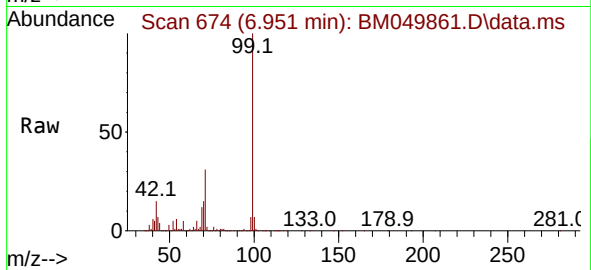
Tgt Ion: 99 Resp: 2904820

Ion Ratio Lower Upper

99 100

42 15.1 12.1 18.1

71 31.1 24.9 37.3



#8

2-Chlorophenol

Concen: 41.628 ng

RT: 7.345 min Scan# 741

Delta R.T. -0.000 min

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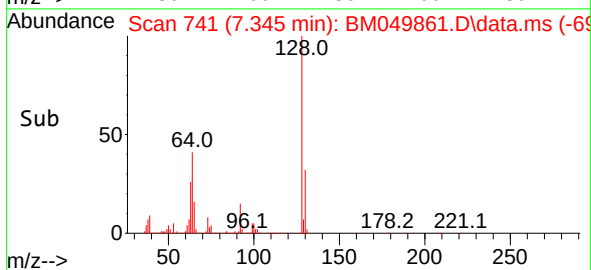
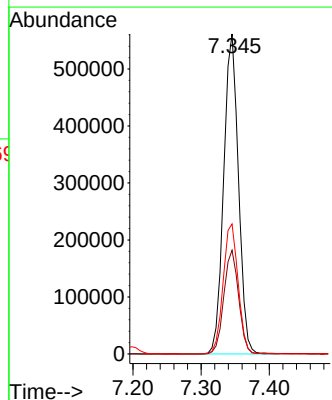
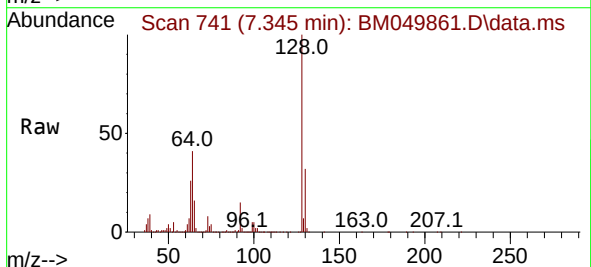
Tgt Ion:128 Resp: 846424

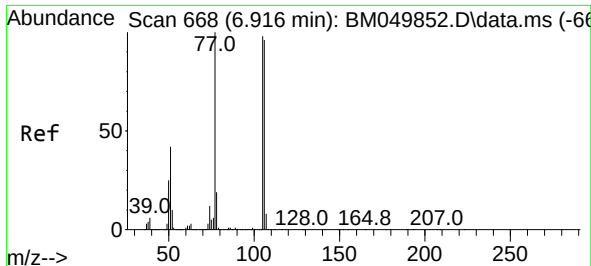
Ion Ratio Lower Upper

128 100

130 32.4 12.6 52.6

64 40.7 21.1 61.1

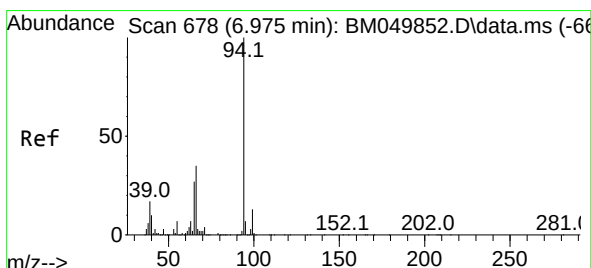
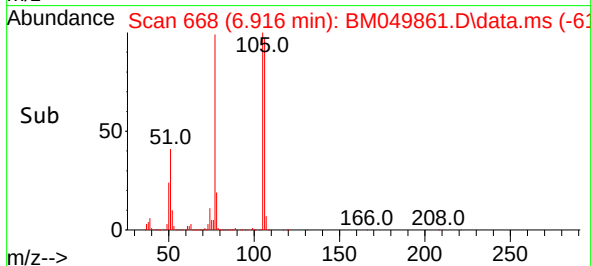
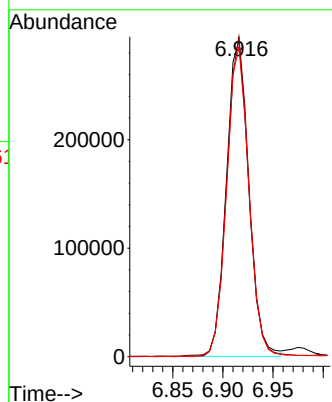
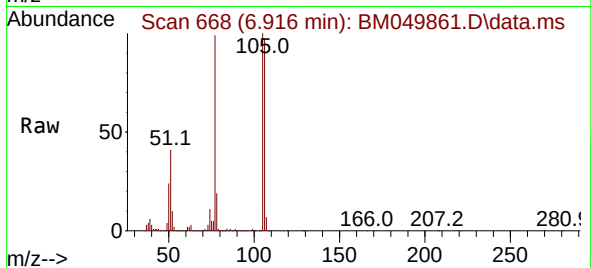




#9
Benzaldehyde
Concen: 35.730 ng
RT: 6.916 min Scan# 668
Delta R.T. -0.000 min
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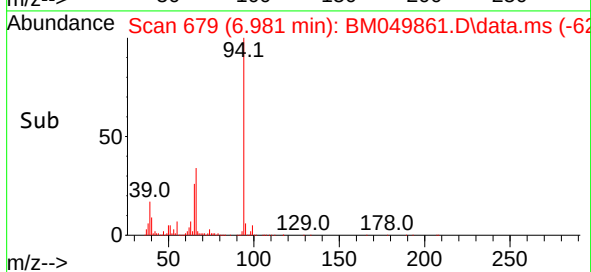
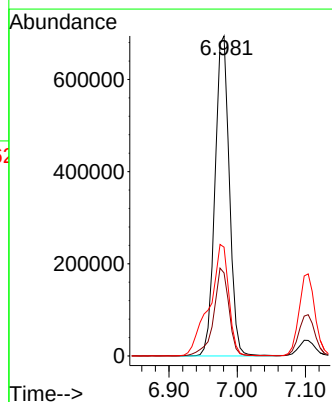
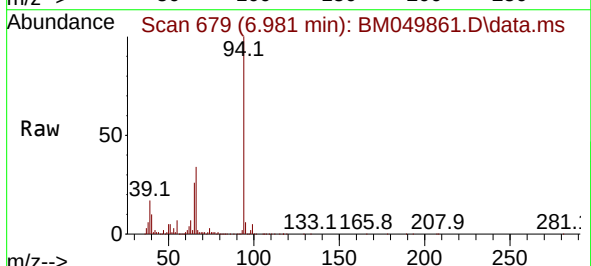
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ClientSampleId :
PB167521BS

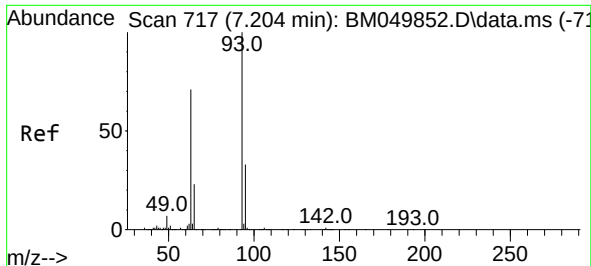
Tgt Ion: 77 Resp: 452619
Ion Ratio Lower Upper
77 100
105 101.1 78.3 118.3
106 97.8 76.0 116.0



#10
Phenol
Concen: 42.142 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion: 94 Resp: 1015187
Ion Ratio Lower Upper
94 100
65 26.0 7.3 47.3
66 34.0 14.8 54.8

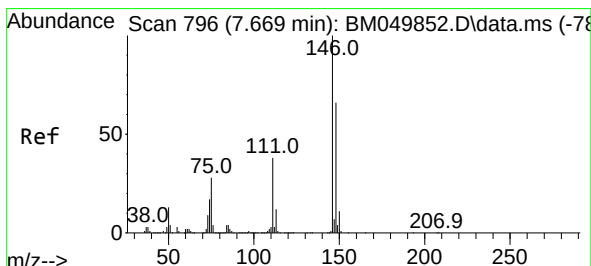
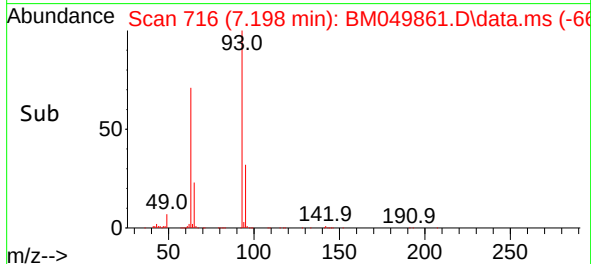
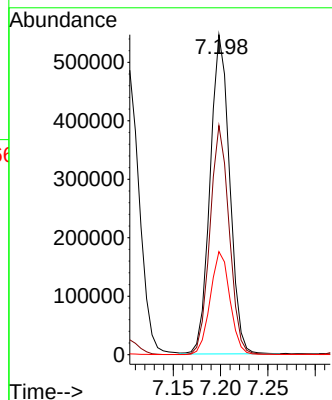
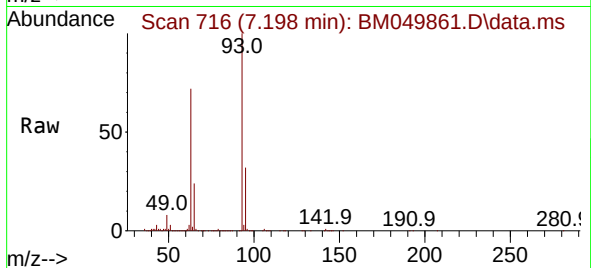




#11
bis(2-Chloroethyl)ether
Concen: 41.374 ng
RT: 7.198 min Scan# 716
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

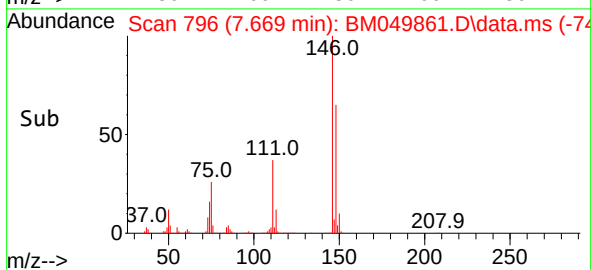
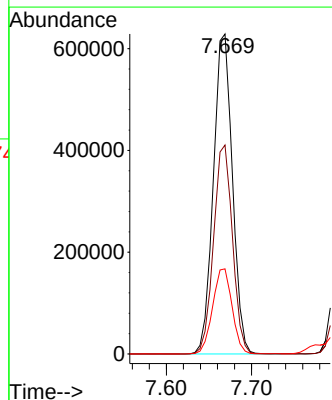
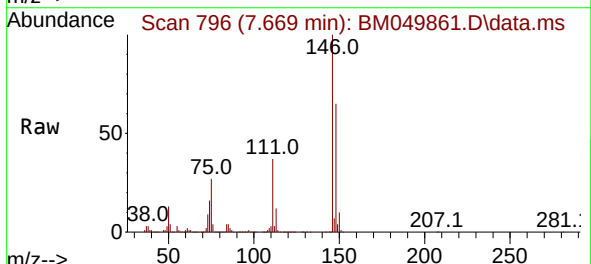
Instrument :
BNA_M
ClientSampleId :
PB167521BS

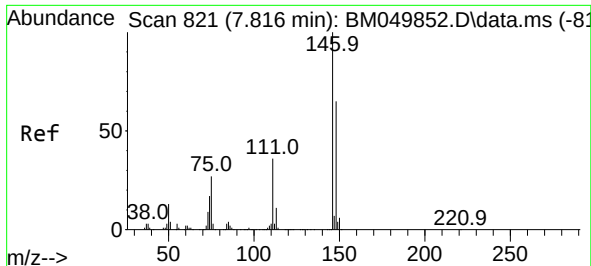
Tgt Ion: 93 Resp: 781591
Ion Ratio Lower Upper
93 100
63 71.6 50.9 90.9
95 32.2 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 40.621 ng
RT: 7.669 min Scan# 796
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion: 146 Resp: 976490
Ion Ratio Lower Upper
146 100
148 65.3 52.5 78.7
75 26.6 22.5 33.7

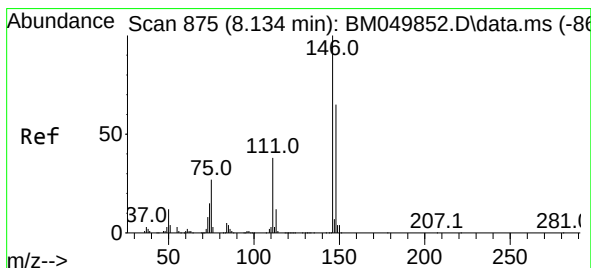
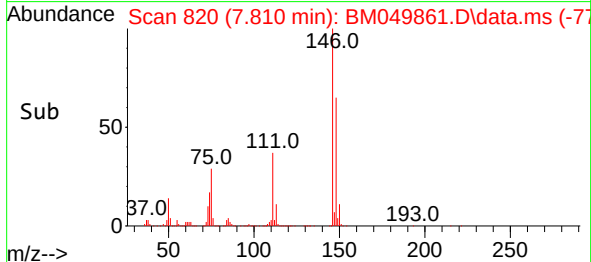
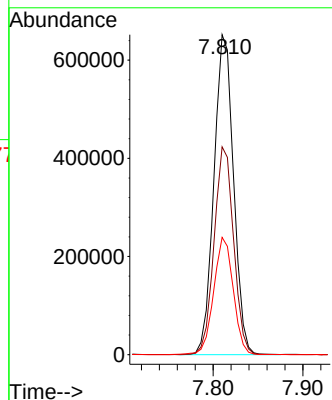
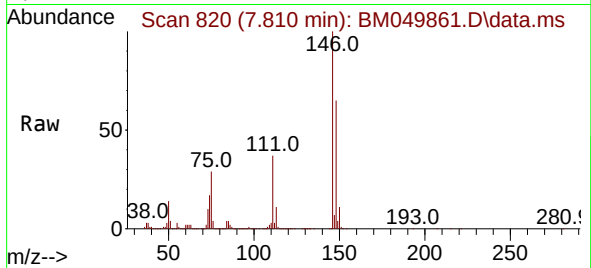




#13
1,4-Dichlorobenzene
Concen: 40.897 ng
RT: 7.810 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

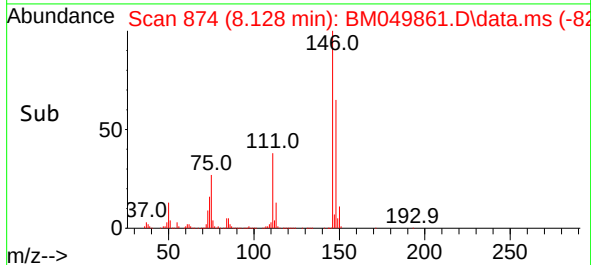
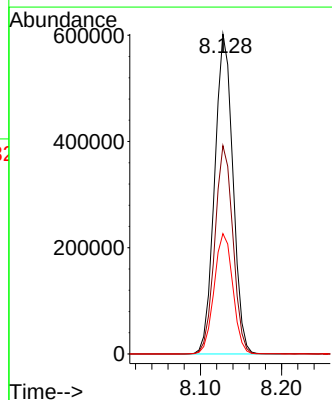
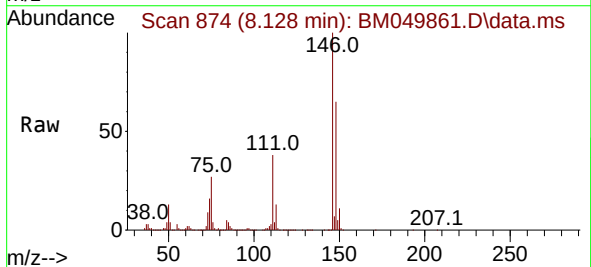
Instrument :
BNA_M
ClientSampleId :
PB167521BS

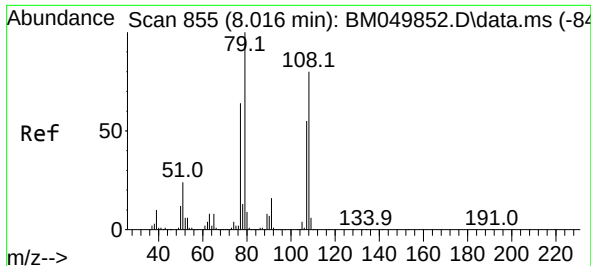
Tgt Ion:146 Resp: 989229
Ion Ratio Lower Upper
146 100
148 65.0 52.4 78.6
111 36.6 28.5 42.7



#14
1,2-Dichlorobenzene
Concen: 41.342 ng
RT: 8.128 min Scan# 874
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:146 Resp: 941895
Ion Ratio Lower Upper
146 100
148 65.1 51.8 77.8
111 37.6 30.2 45.4

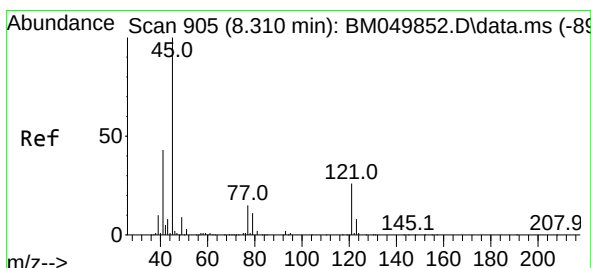
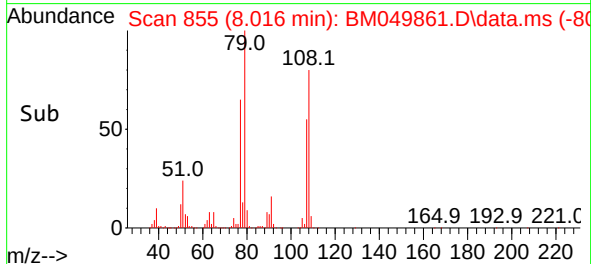
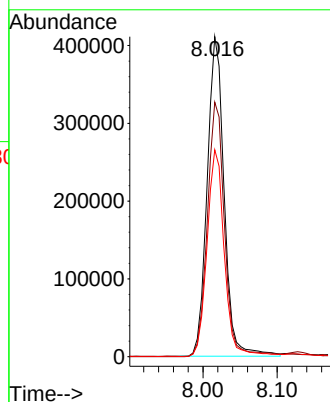
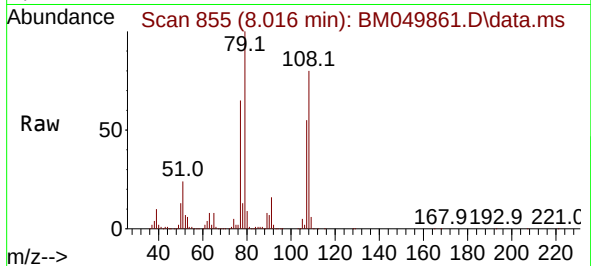




#15
Benzyl Alcohol
Concen: 42.231 ng
RT: 8.016 min Scan# 855
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

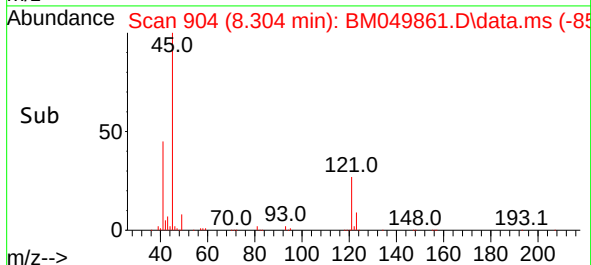
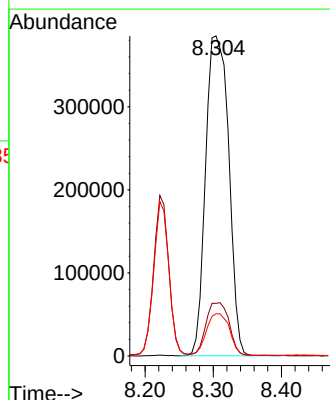
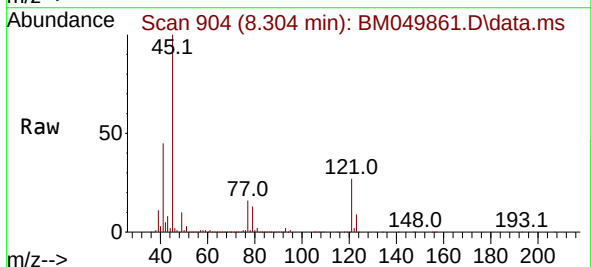
Instrument :
BNA_M
ClientSampleId :
PB167521BS

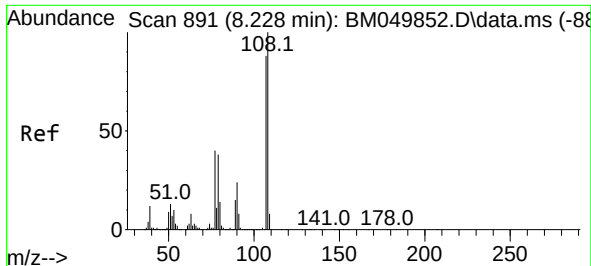
Tgt Ion: 79 Resp: 656468
Ion Ratio Lower Upper
79 100
108 79.6 63.6 95.4
77 64.7 51.3 76.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.218 ng
RT: 8.304 min Scan# 904
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion: 45 Resp: 909970
Ion Ratio Lower Upper
45 100
77 16.5 0.0 36.9
79 13.2 0.0 32.9

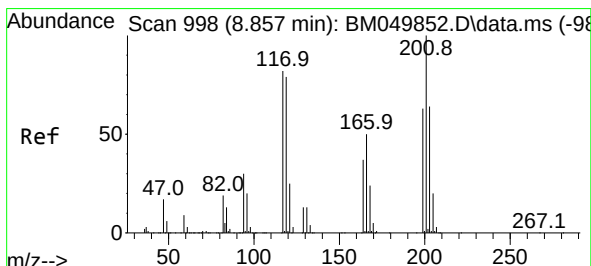
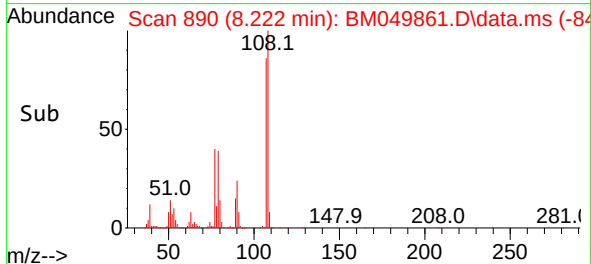
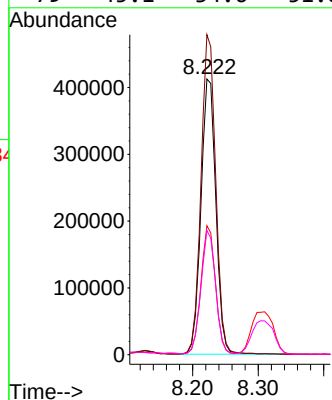
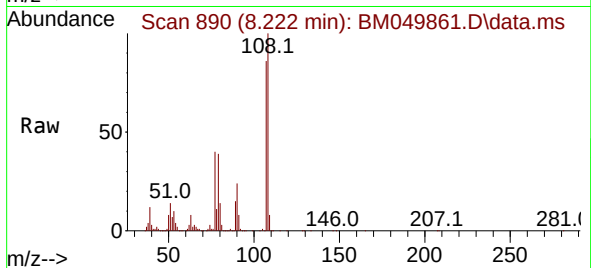




#17
2-Methylphenol
Concen: 43.991 ng
RT: 8.222 min Scan# 891
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

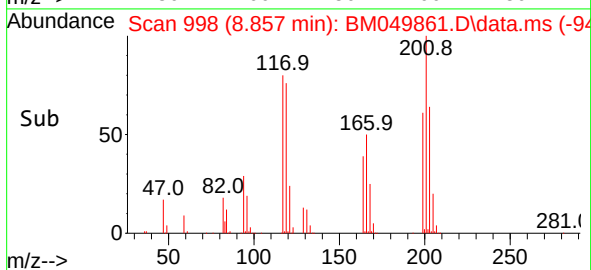
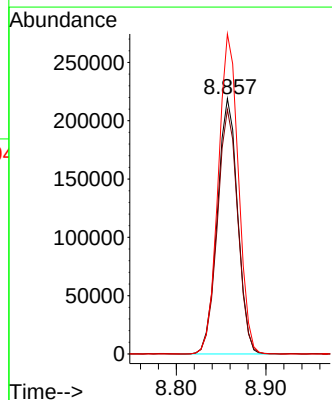
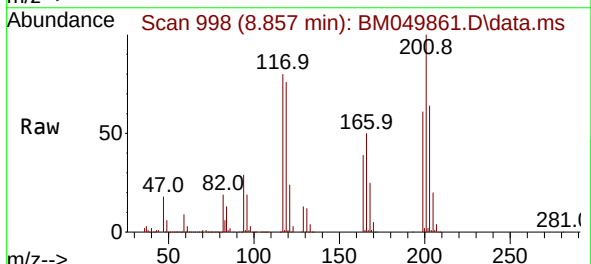
Instrument :
BNA_M
ClientSampleId :
PB167521BS

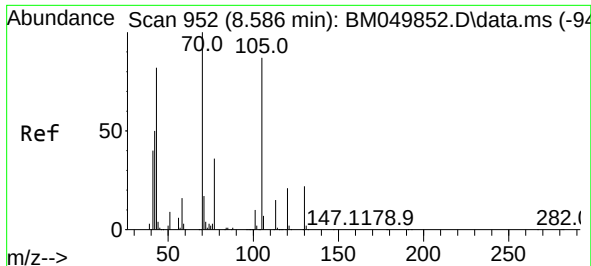
Tgt Ion:107 Resp: 653053
Ion Ratio Lower Upper
107 100
108 116.1 91.0 136.6
77 46.8 36.5 54.7
79 45.1 34.6 51.8



#18
Hexachloroethane
Concen: 41.009 ng
RT: 8.857 min Scan# 998
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:117 Resp: 345101
Ion Ratio Lower Upper
117 100
119 95.7 77.5 116.3
201 125.3 97.7 146.5

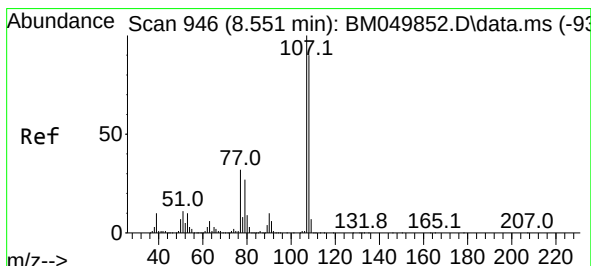
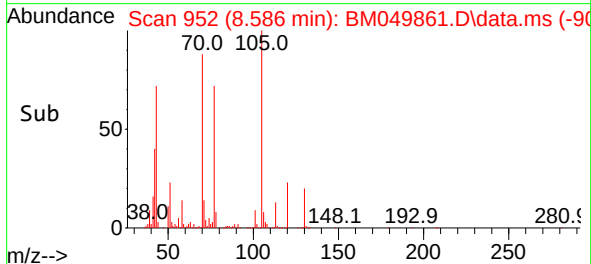
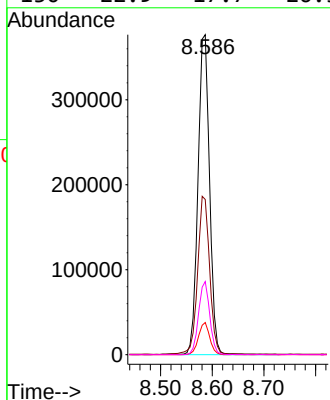
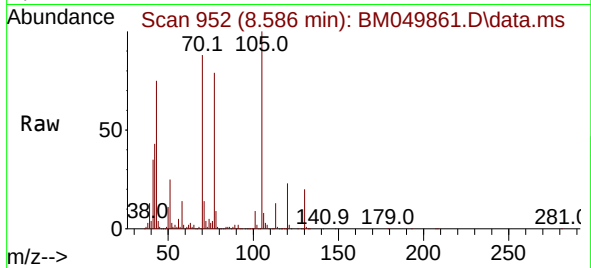




#19
n-Nitroso-di-n-propylamine
Concen: 42.824 ng
RT: 8.586 min Scan# 91
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

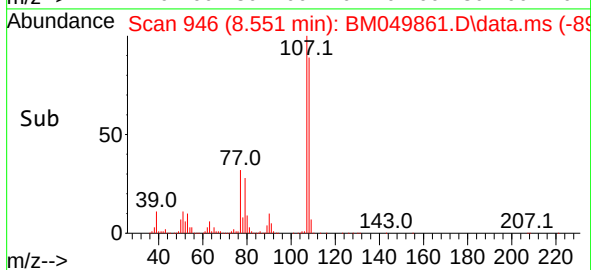
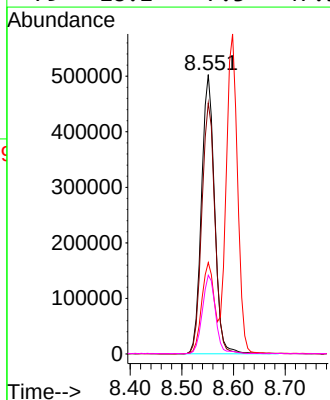
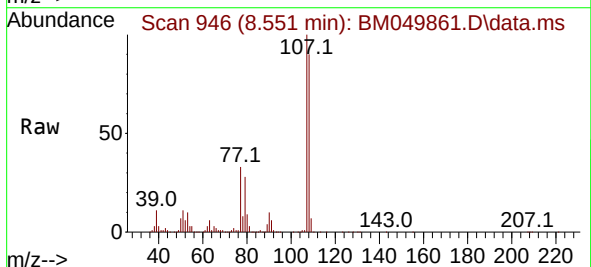
Instrument :
BNA_M
ClientSampleId :
PB167521BS

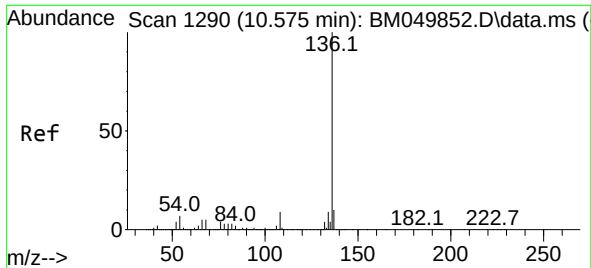
Tgt Ion: 70 Resp: 585502
Ion Ratio Lower Upper
70 100
42 48.5 40.2 60.2
101 10.1 7.9 11.9
130 22.9 17.7 26.5



#20
3+4-Methylphenols
Concen: 43.568 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion: 107 Resp: 881759
Ion Ratio Lower Upper
107 100
108 89.8 69.6 109.6
77 32.7 11.7 51.7
79 28.2 7.3 47.3

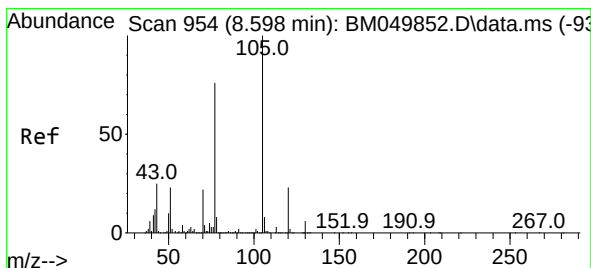
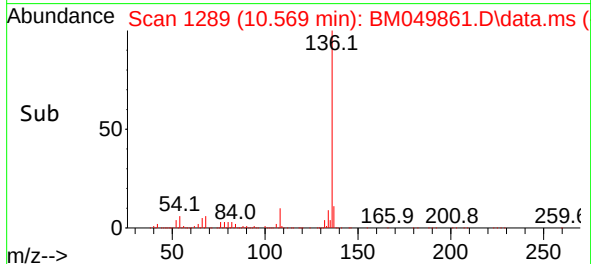
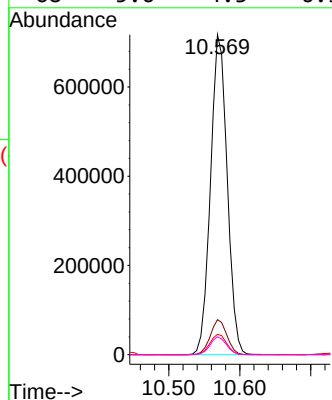
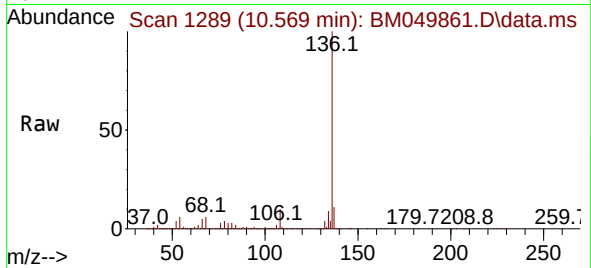




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.569 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

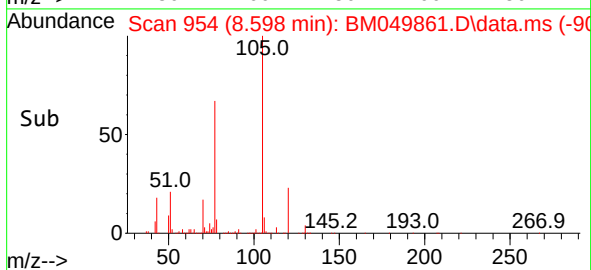
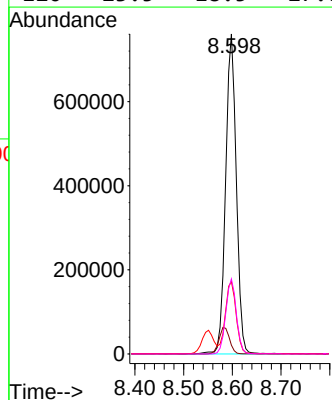
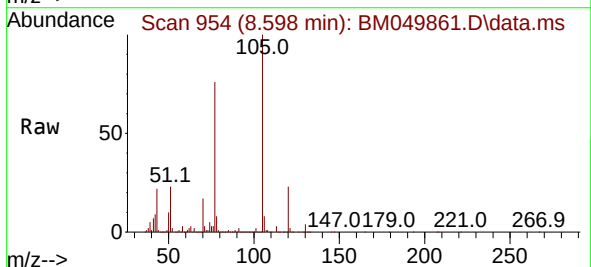
Instrument :
BNA_M
ClientSampleId :
PB167521BS

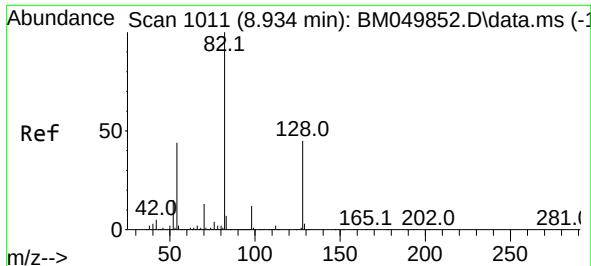
Tgt Ion:136 Resp: 1172193
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 6.3 5.3 7.9
68 5.6 4.3 6.5



#22
Acetophenone
Concen: 41.018 ng
RT: 8.598 min Scan# 954
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:105 Resp: 1168530
Ion Ratio Lower Upper
105 100
71 2.7 3.0 4.4#
51 22.6 18.6 27.8
120 23.5 18.5 27.7

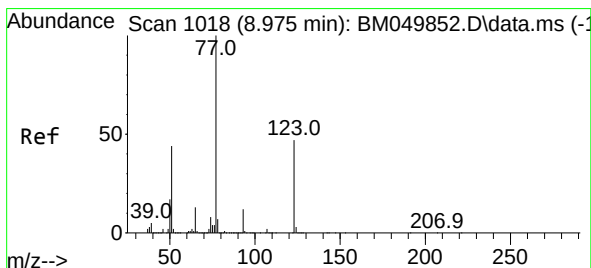
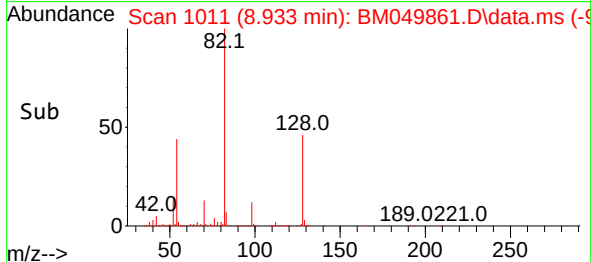
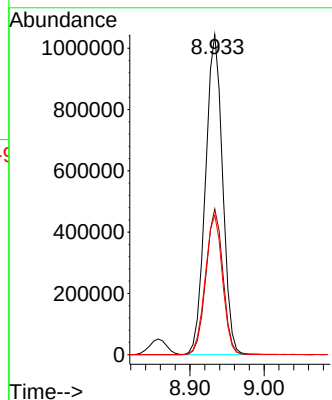
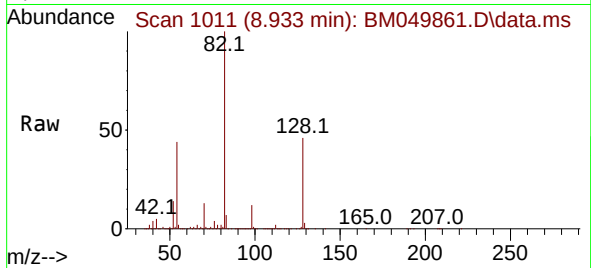




#23
Nitrobenzene-d5
Concen: 79.479 ng
RT: 8.933 min Scan# 1011
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

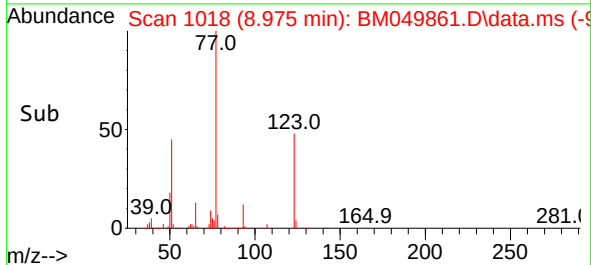
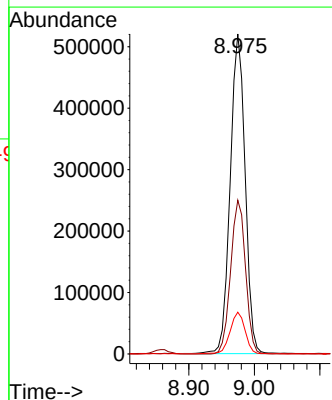
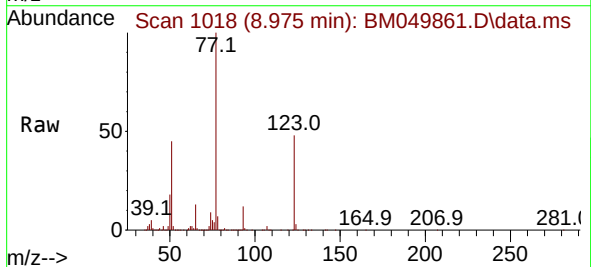
Instrument :
BNA_M
ClientSampleId :
PB167521BS

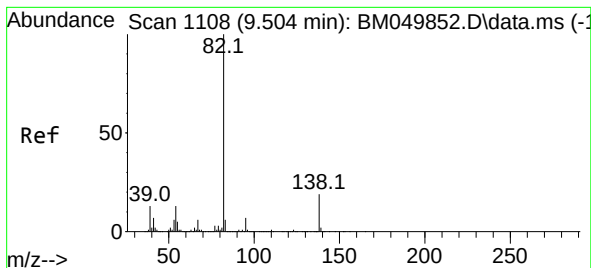
Tgt Ion: 82 Resp: 1673050
Ion Ratio Lower Upper
82 100
128 45.6 36.2 54.2
54 43.6 35.0 52.6



#24
Nitrobenzene
Concen: 40.552 ng
RT: 8.975 min Scan# 1018
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion: 77 Resp: 821968
Ion Ratio Lower Upper
77 100
123 48.0 37.4 56.2
65 13.1 10.1 15.1





#25

Isophorone

Concen: 43.579 ng

RT: 9.504 min Scan# 1108

Delta R.T. -0.000 min

Lab File: BM049861.D

Acq: 09 Apr 2025 10:27

Instrument :

BNA_M

ClientSampleId :

PB167521BS

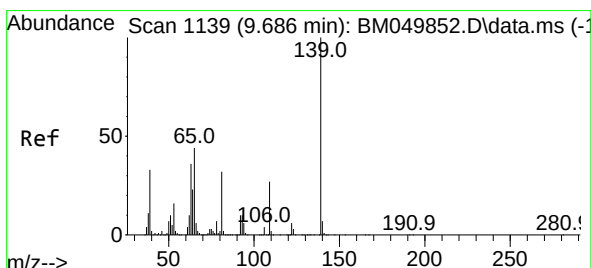
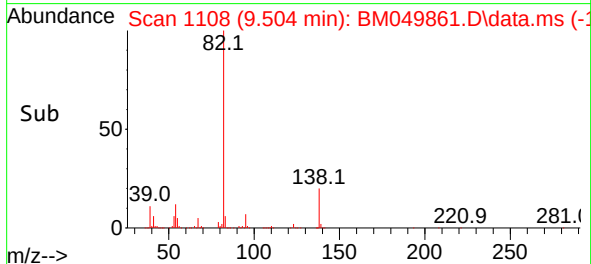
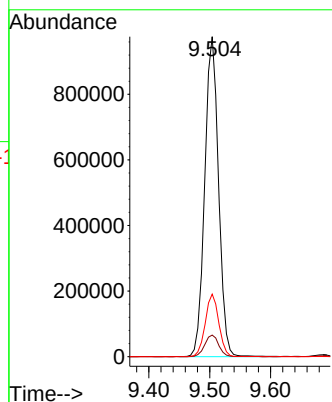
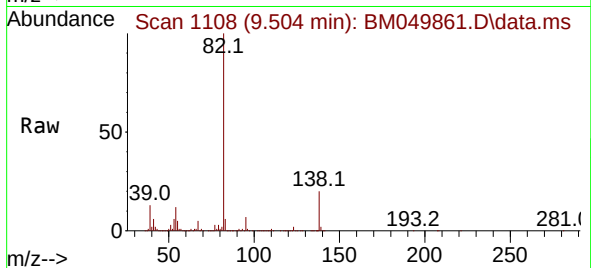
Tgt Ion: 82 Resp: 1536740

Ion Ratio Lower Upper

82 100

95 6.7 5.4 8.2

138 19.5 15.0 22.6



#26

2-Nitrophenol

Concen: 40.040 ng

RT: 9.686 min Scan# 1139

Delta R.T. -0.000 min

Lab File: BM049861.D

Acq: 09 Apr 2025 10:27

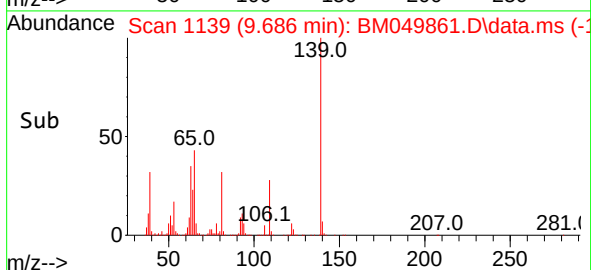
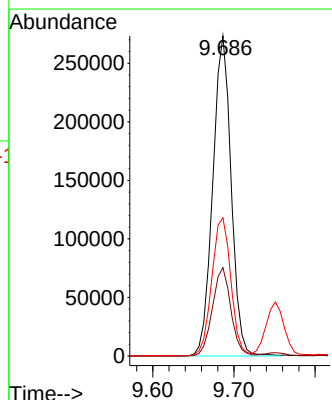
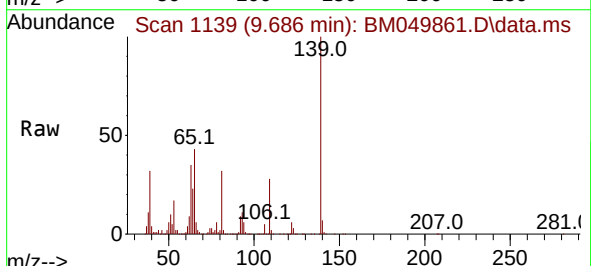
Tgt Ion:139 Resp: 430155

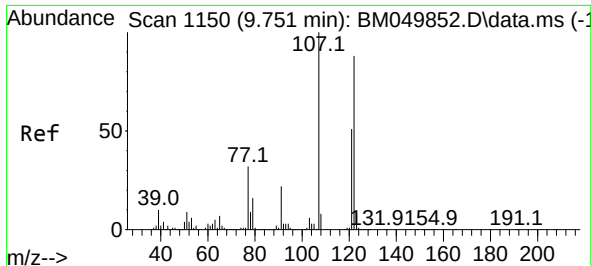
Ion Ratio Lower Upper

139 100

109 27.6 21.7 32.5

65 43.2 35.2 52.8





#27

2,4-Dimethylphenol

Concen: 60.621 ng

RT: 9.751 min Scan# 1150

Delta R.T. -0.000 min

Lab File: BM049861.D

Acq: 09 Apr 2025 10:27

Instrument :

BNA_M

ClientSampleId :

PB167521BS

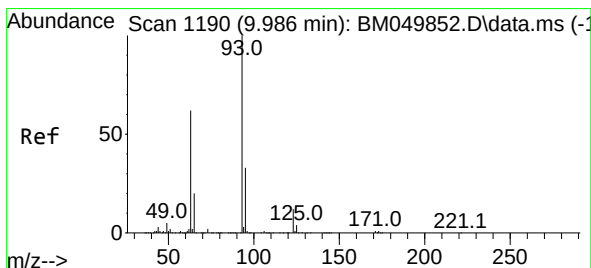
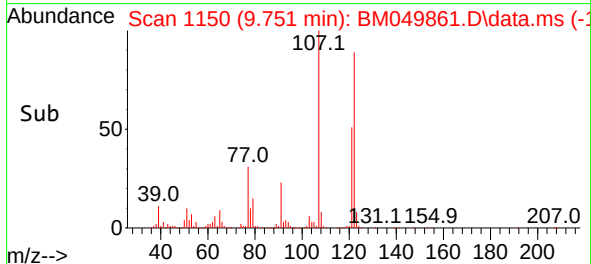
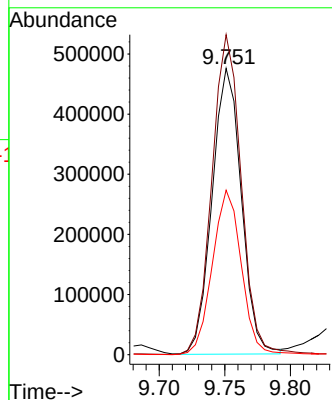
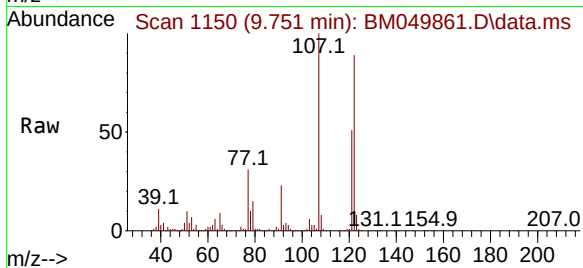
Tgt Ion:122 Resp: 738065

Ion Ratio Lower Upper

122 100

107 111.8 90.3 135.5

121 57.5 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 41.574 ng

RT: 9.980 min Scan# 1189

Delta R.T. -0.006 min

Lab File: BM049861.D

Acq: 09 Apr 2025 10:27

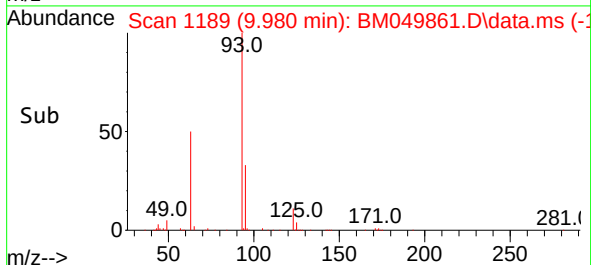
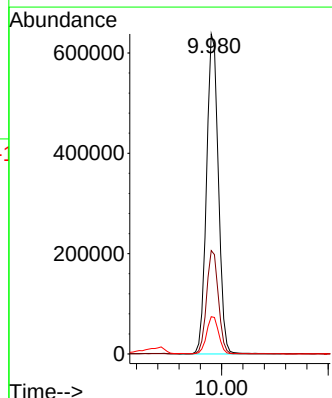
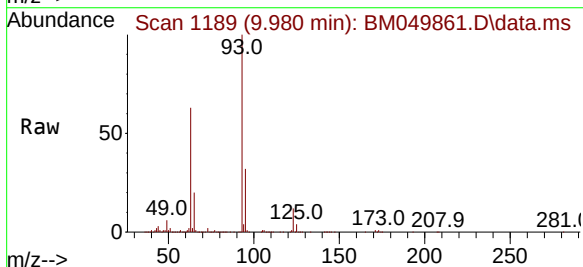
Tgt Ion: 93 Resp: 981482

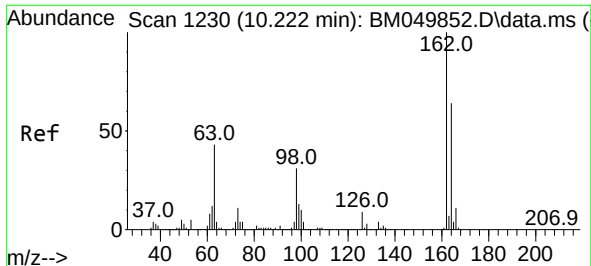
Ion Ratio Lower Upper

93 100

95 32.3 26.6 40.0

123 11.7 9.5 14.3





#29

2,4-Dichlorophenol

Concen: 41.653 ng

RT: 10.222 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM049861.D

Acq: 09 Apr 2025 10:27

Instrument :

BNA_M

ClientSampleId :

PB167521BS

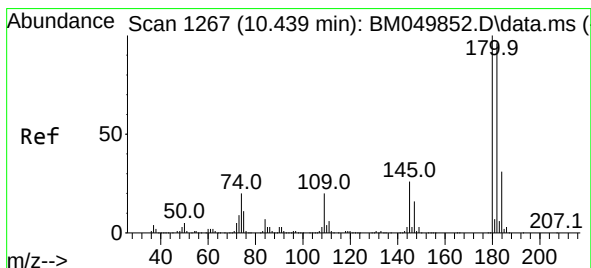
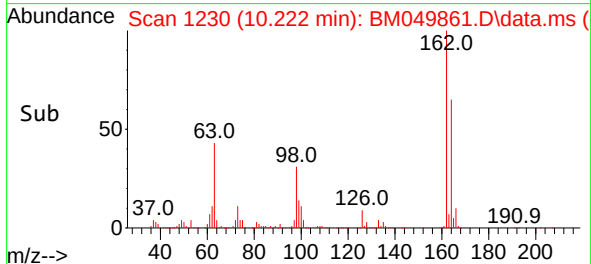
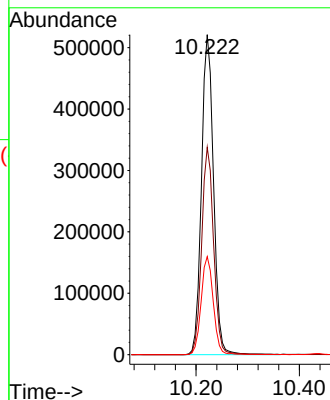
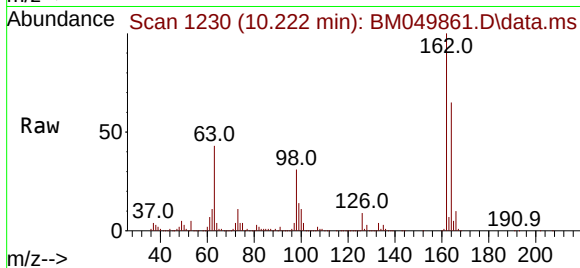
Tgt Ion:162 Resp: 842978

Ion Ratio Lower Upper

162 100

164 64.8 44.3 84.3

98 30.6 10.9 50.9



#30

1,2,4-Trichlorobenzene

Concen: 40.289 ng

RT: 10.433 min Scan# 1266

Delta R.T. -0.006 min

Lab File: BM049861.D

Acq: 09 Apr 2025 10:27

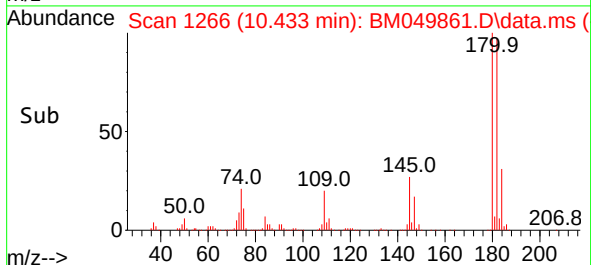
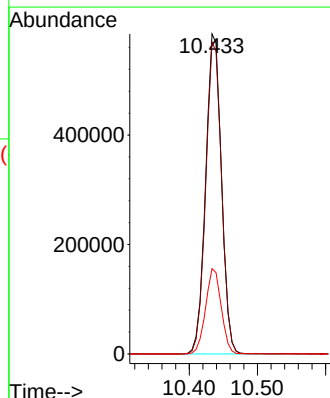
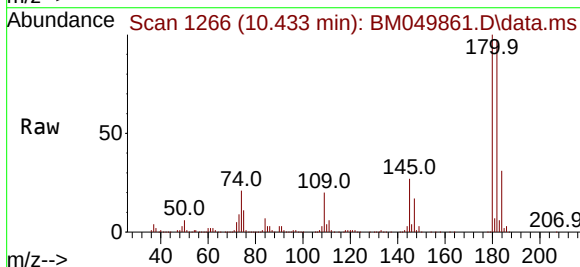
Tgt Ion:180 Resp: 943265

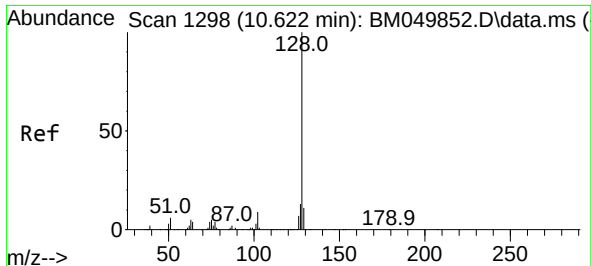
Ion Ratio Lower Upper

180 100

182 97.4 76.7 115.1

145 26.7 20.8 31.2

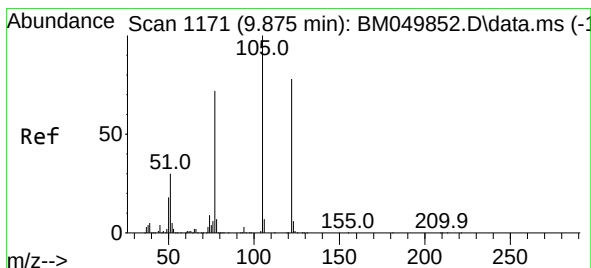
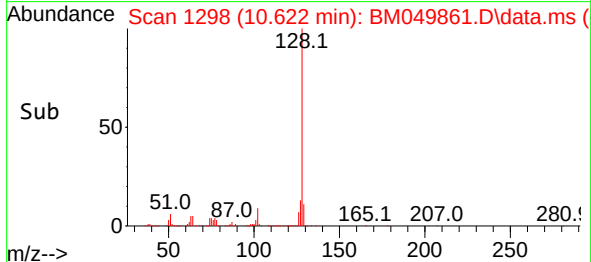
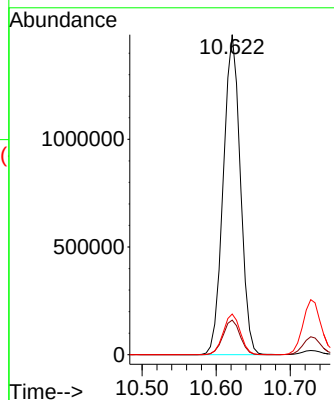
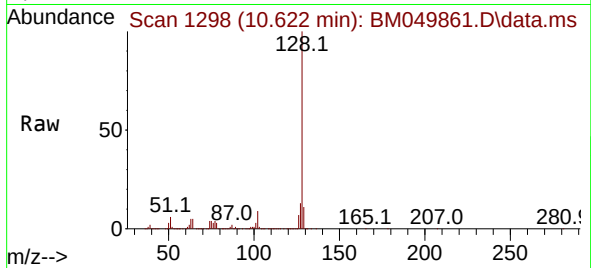




#31
Naphthalene
Concen: 39.367 ng
RT: 10.622 min Scan# 1172
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

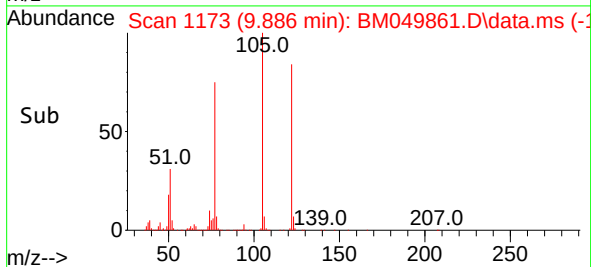
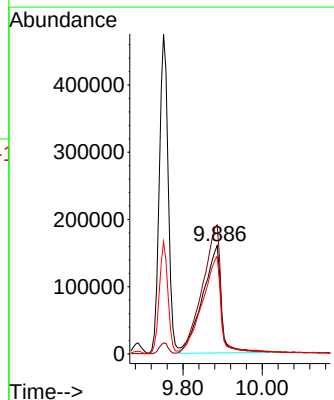
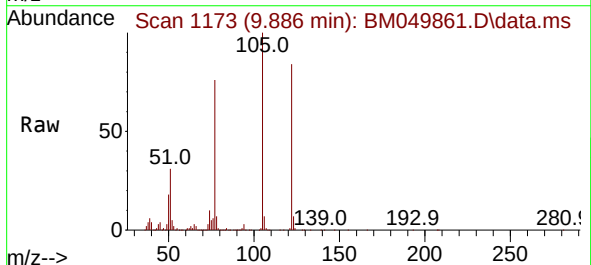
Instrument :
BNA_M
ClientSampleId :
PB167521BS

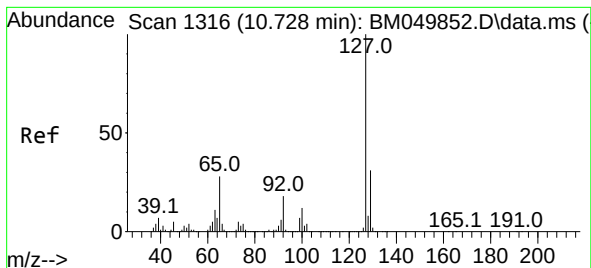
Tgt Ion:128 Resp: 2371128
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 12.7 10.6 15.8



#32
Benzoic acid
Concen: 36.856 ng
RT: 9.886 min Scan# 1173
Delta R.T. 0.011 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:122 Resp: 519818
Ion Ratio Lower Upper
122 100
105 119.2 103.8 143.8
77 90.2 70.7 110.7





#33

4-Chloroaniline

Concen: 21.212 ng

RT: 10.727 min Scan# 11

Delta R.T. -0.000 min

Lab File: BM049861.D

Acq: 09 Apr 2025 10:27

Instrument :

BNA_M

ClientSampleId :

PB167521BS

Tgt Ion:127 Resp: 451143

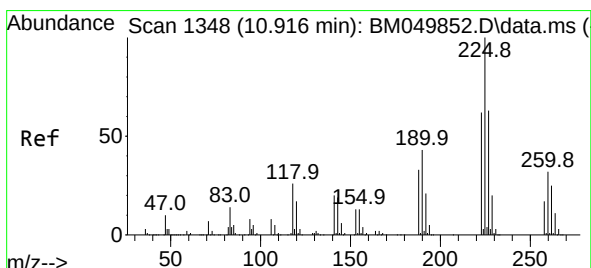
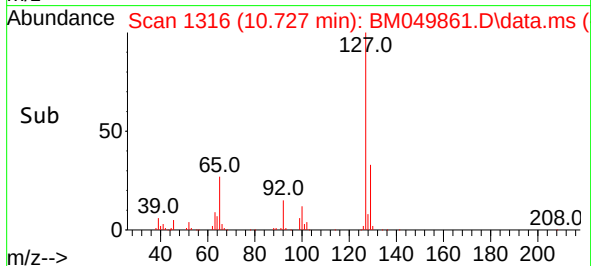
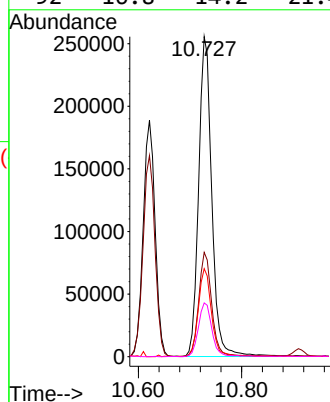
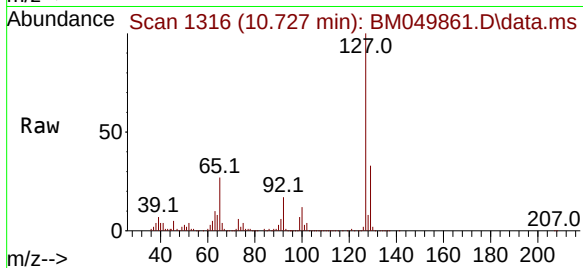
Ion Ratio Lower Upper

127 100

129 32.6 24.9 37.3

65 27.5 22.4 33.6

92 16.8 14.2 21.4



#34

Hexachlorobutadiene

Concen: 41.155 ng

RT: 10.910 min Scan# 1347

Delta R.T. -0.006 min

Lab File: BM049861.D

Acq: 09 Apr 2025 10:27

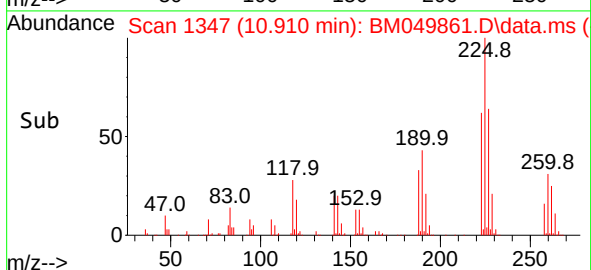
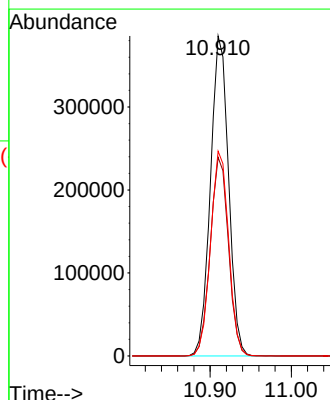
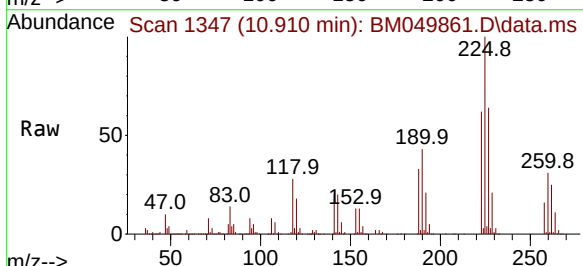
Tgt Ion:225 Resp: 596021

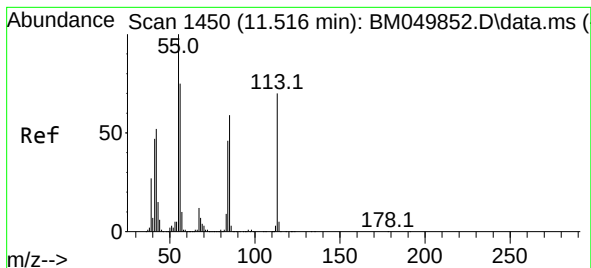
Ion Ratio Lower Upper

225 100

223 62.1 49.4 74.2

227 64.0 50.1 75.1

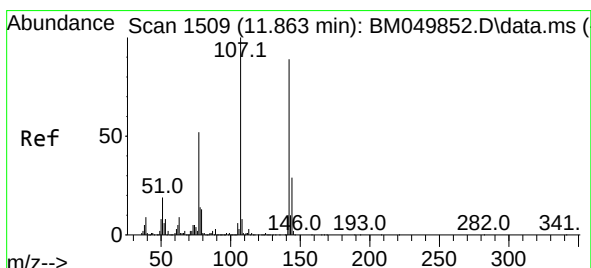
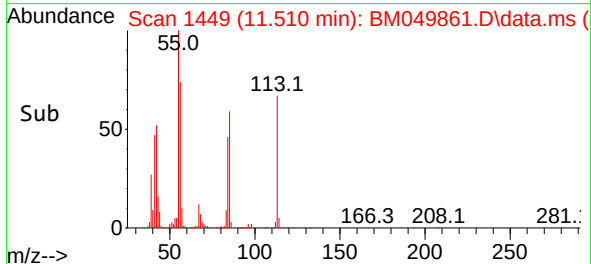
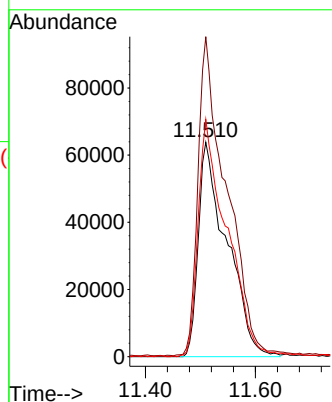
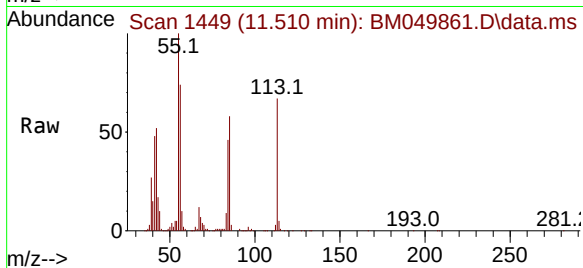




#35
 Caprolactam
 Concen: 39.485 ng
 RT: 11.510 min Scan# 1450
 Delta R.T. -0.006 min
 Lab File: BM049861.D
 Acq: 09 Apr 2025 10:27

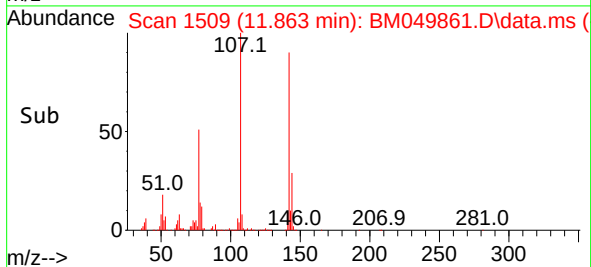
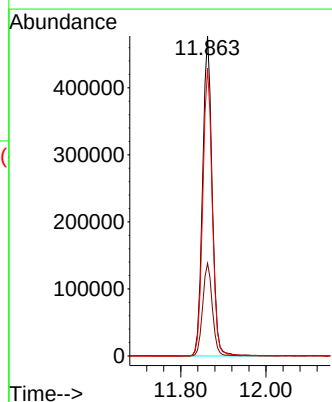
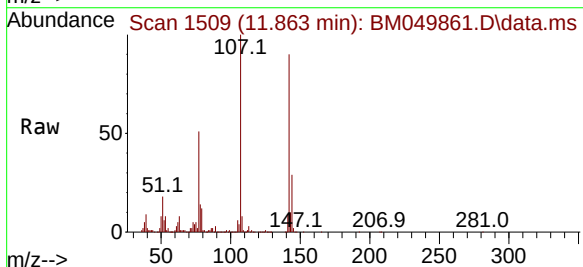
Instrument :
 BNA_M
 ClientSampleId :
 PB167521BS

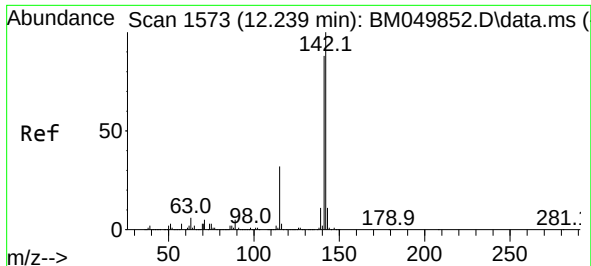
Tgt Ion:113 Resp: 229193
 Ion Ratio Lower Upper
 113 100
 55 149.2 124.3 164.3
 56 110.6 87.5 127.5



#36
 4-Chloro-3-methylphenol
 Concen: 41.849 ng
 RT: 11.863 min Scan# 1509
 Delta R.T. -0.000 min
 Lab File: BM049861.D
 Acq: 09 Apr 2025 10:27

Tgt Ion:107 Resp: 741890
 Ion Ratio Lower Upper
 107 100
 144 28.9 23.6 35.4
 142 89.9 71.4 107.0

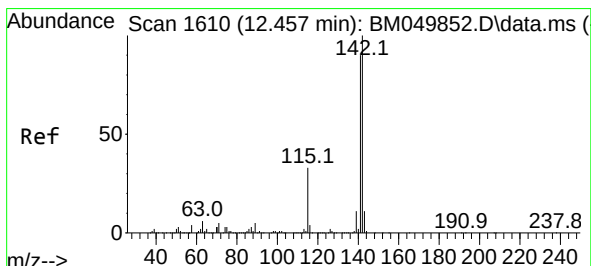
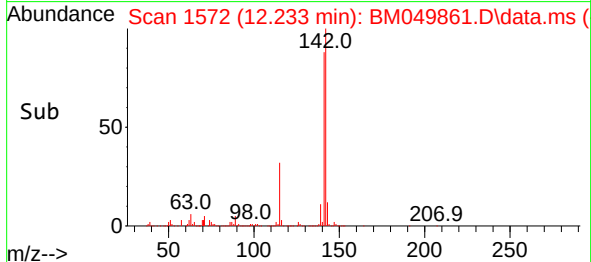
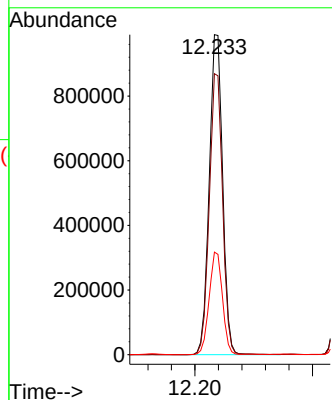
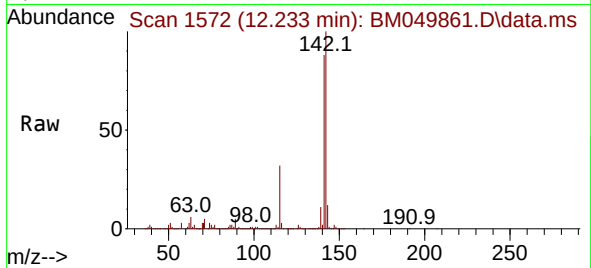




#37
2-Methylnaphthalene
Concen: 36.805 ng
RT: 12.233 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

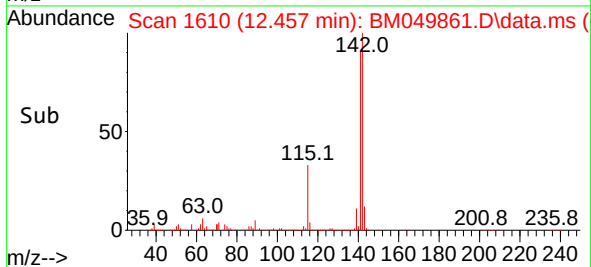
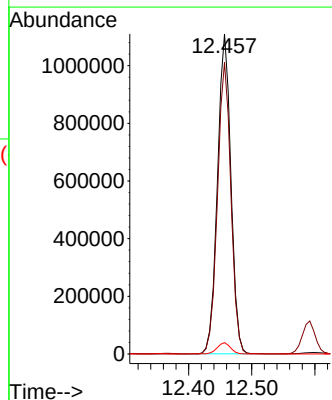
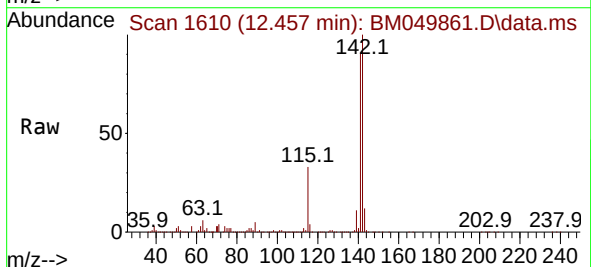
Instrument :
BNA_M
ClientSampleId :
PB167521BS

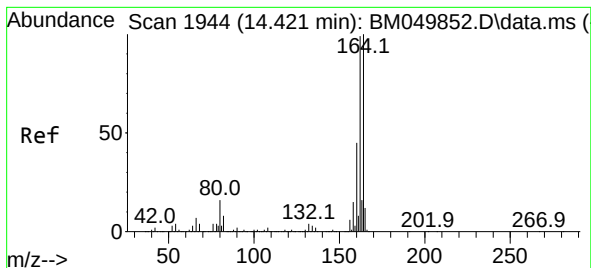
Tgt Ion:142 Resp: 1561901
Ion Ratio Lower Upper
142 100
141 87.8 70.2 105.2
115 32.1 25.4 38.2



#38
1-Methylnaphthalene
Concen: 39.635 ng
RT: 12.457 min Scan# 1610
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:142 Resp: 1638645
Ion Ratio Lower Upper
142 100
141 91.1 72.2 108.2
116 3.6 2.9 4.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.421 min Scan# 1944

Delta R.T. -0.000 min

Lab File: BM049861.D

Acq: 09 Apr 2025 10:27

Instrument :

BNA_M

ClientSampleId :

PB167521BS

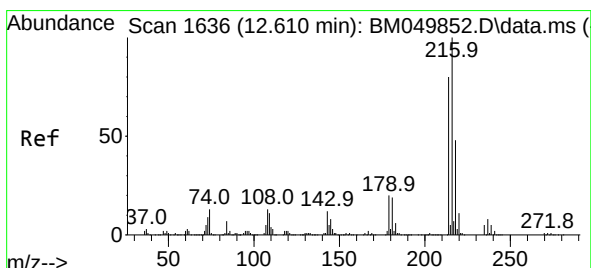
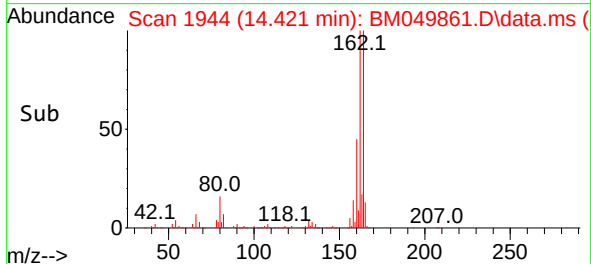
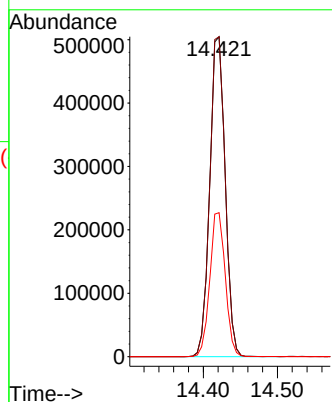
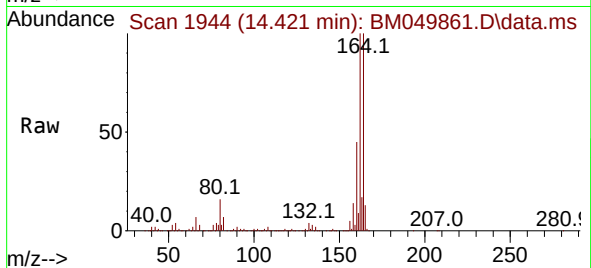
Tgt Ion:164 Resp: 730256

Ion Ratio Lower Upper

164 100

162 100.1 79.4 119.0

160 45.0 36.2 54.2



#40

1,2,4,5-Tetrachlorobenzene

Concen: 42.381 ng

RT: 12.610 min Scan# 1636

Delta R.T. -0.000 min

Lab File: BM049861.D

Acq: 09 Apr 2025 10:27

Tgt Ion:216 Resp: 1082730

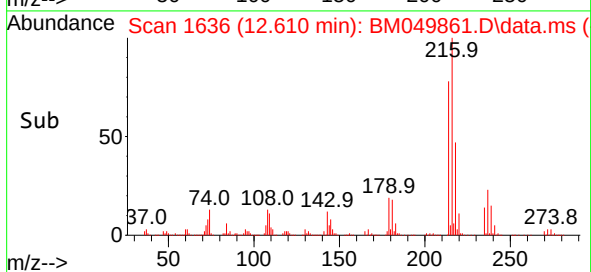
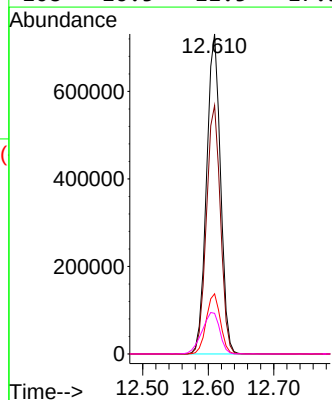
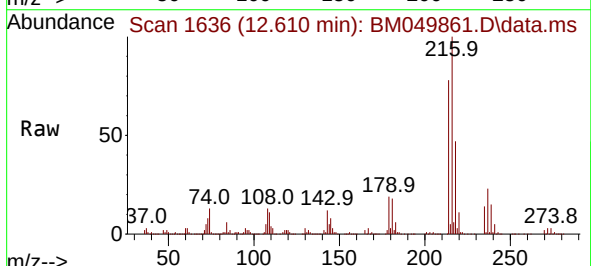
Ion Ratio Lower Upper

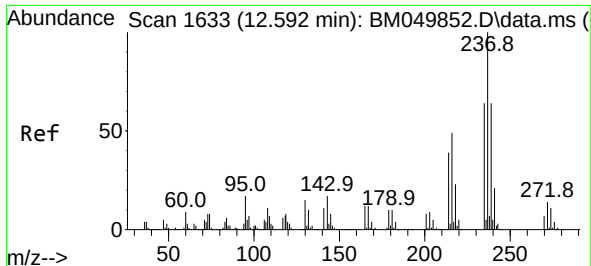
216 100

214 78.2 63.2 94.8

179 19.0 15.8 23.6

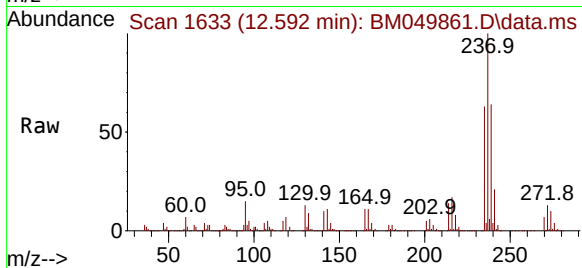
108 16.5 11.5 17.3



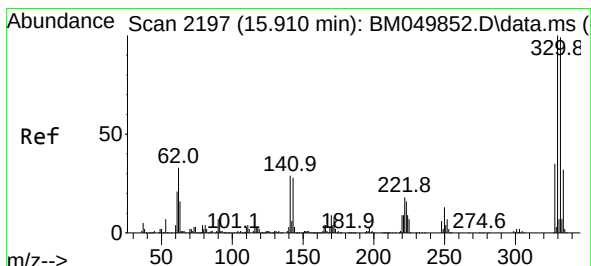
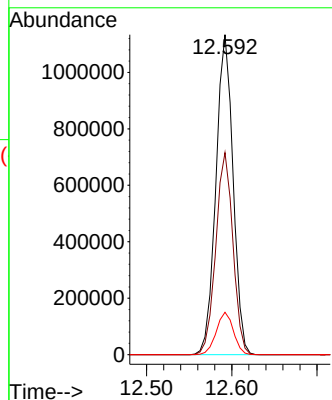
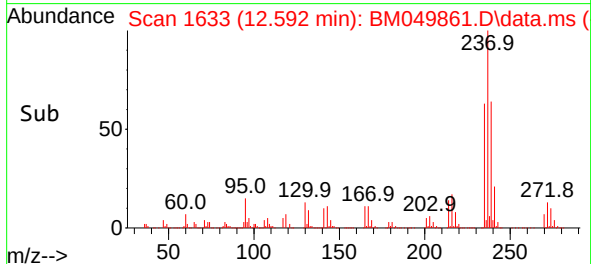


#41
Hexachlorocyclopentadiene
Concen: 176.945 ng
RT: 12.592 min Scan# 1633
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

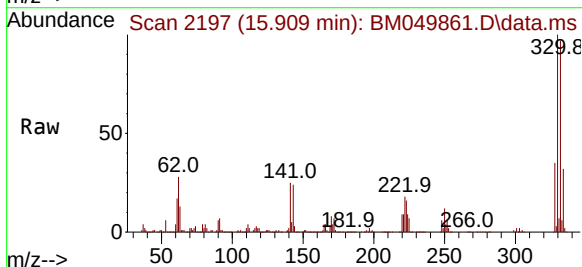
Instrument :
BNA_M
ClientSampleId :
PB167521BS



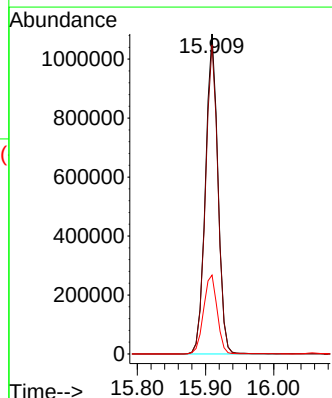
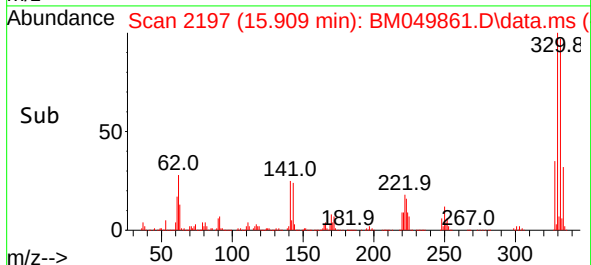
Tgt Ion:237 Resp: 1584026
Ion Ratio Lower Upper
237 100
235 63.2 43.7 83.7
272 13.2 0.0 33.5

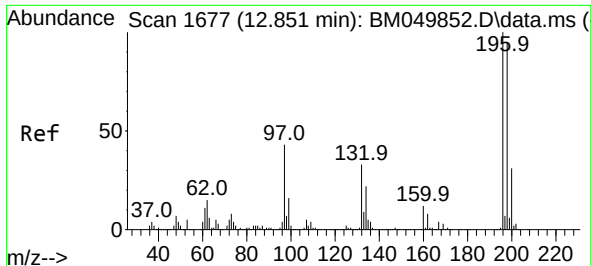


#42
2,4,6-Tribromophenol
Concen: 129.939 ng
RT: 15.909 min Scan# 2197
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27



Tgt Ion:330 Resp: 1380194
Ion Ratio Lower Upper
330 100
332 96.9 78.0 117.0
141 26.9 23.5 35.3

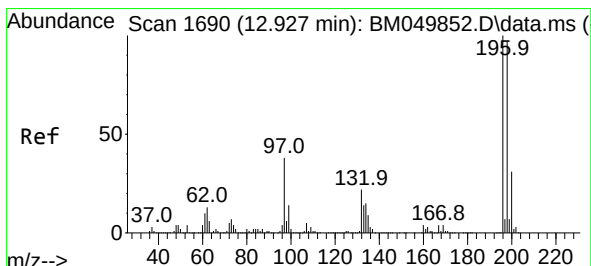
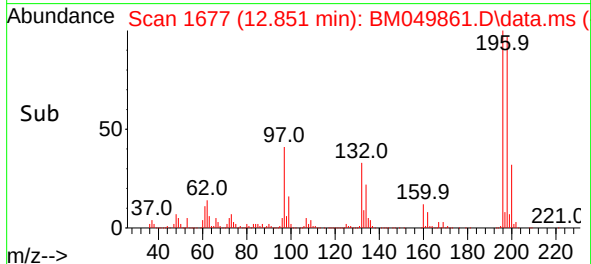
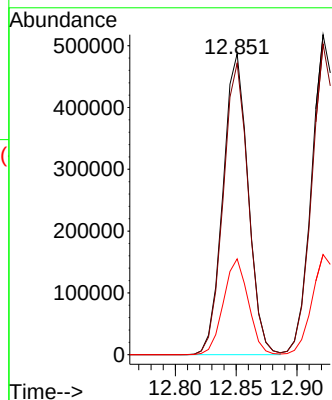
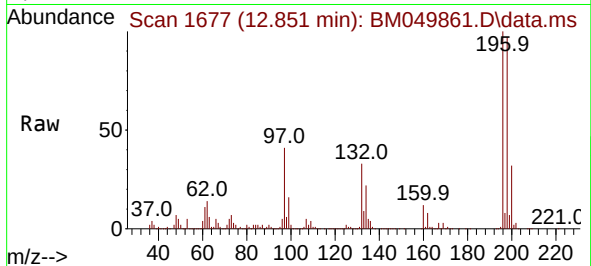




#43
2,4,6-Trichlorophenol
Concen: 43.130 ng
RT: 12.851 min Scan# 1677
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

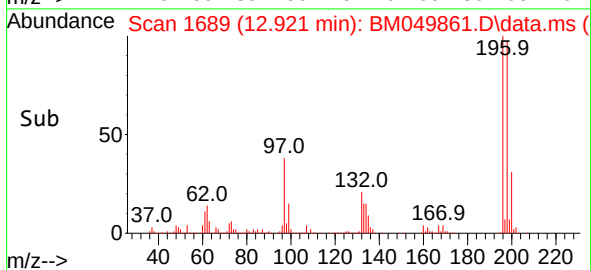
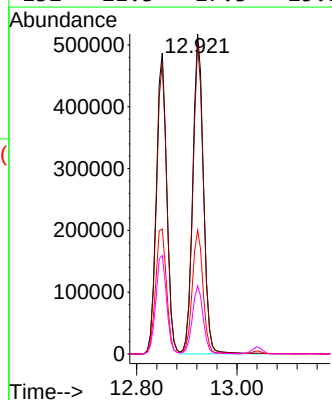
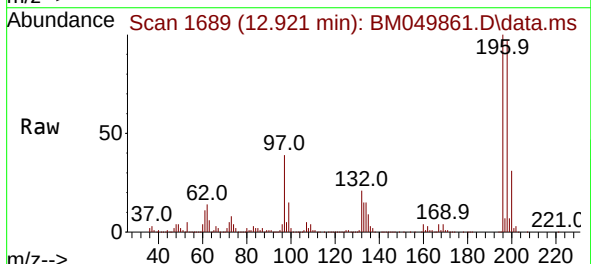
Instrument :
BNA_M
ClientSampleId :
PB167521BS

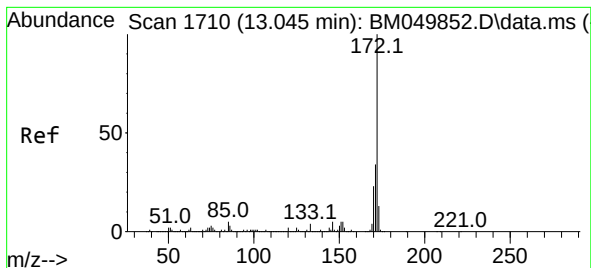
Tgt Ion:196 Resp: 701162
Ion Ratio Lower Upper
196 100
198 96.8 76.1 114.1
200 31.8 24.7 37.1



#44
2,4,5-Trichlorophenol
Concen: 43.169 ng
RT: 12.921 min Scan# 1689
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:196 Resp: 762647
Ion Ratio Lower Upper
196 100
198 97.0 77.7 116.5
97 38.7 30.3 45.5
132 21.3 17.3 25.9





#45

2-Fluorobiphenyl

Concen: 82.577 ng

RT: 13.039 min Scan# 1709

Delta R.T. -0.006 min

Lab File: BM049861.D

Acq: 09 Apr 2025 10:27

Instrument :

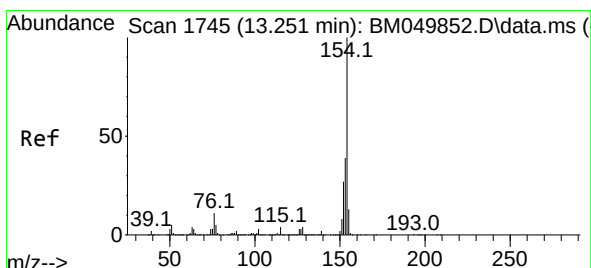
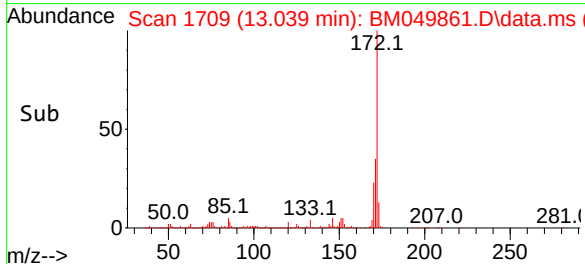
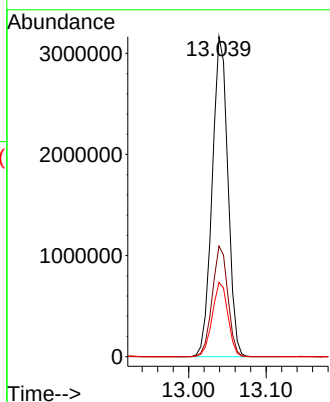
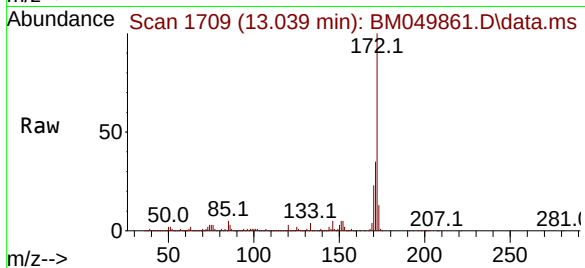
BNA_M

ClientSampleId :

PB167521BS

Tgt Ion:172 Resp: 4447030

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.4	41.2
170	23.2	18.6	28.0



#46

1,1'-Biphenyl

Concen: 41.600 ng

RT: 13.251 min Scan# 1745

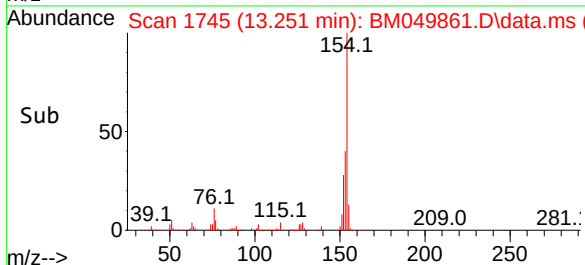
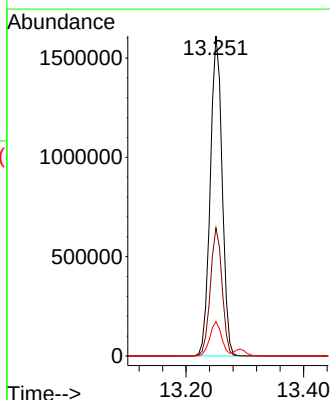
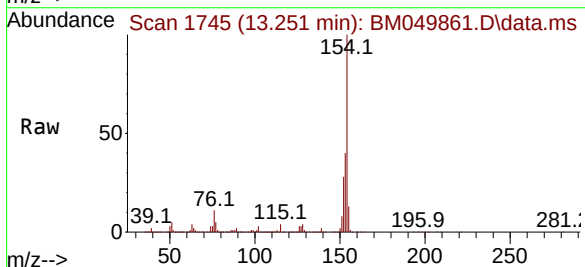
Delta R.T. -0.000 min

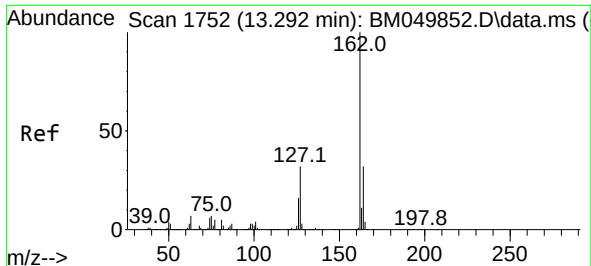
Lab File: BM049861.D

Acq: 09 Apr 2025 10:27

Tgt Ion:154 Resp: 2258251

Ion	Ratio	Lower	Upper
154	100		
153	40.0	19.3	59.3
76	10.7	0.0	30.7

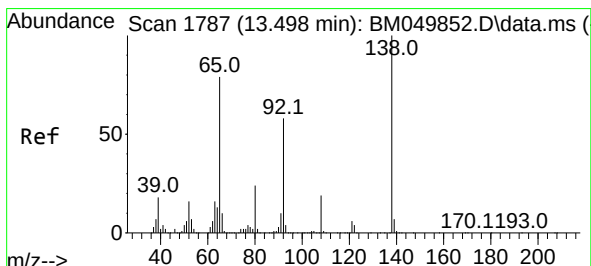
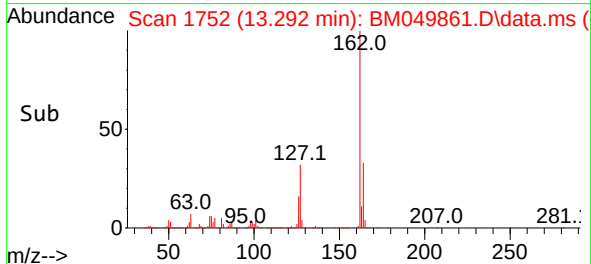
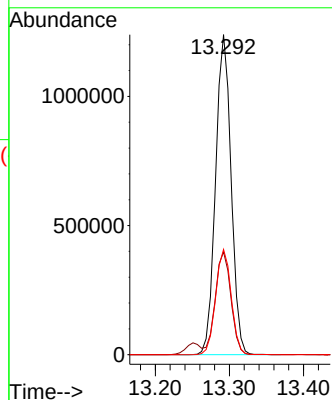
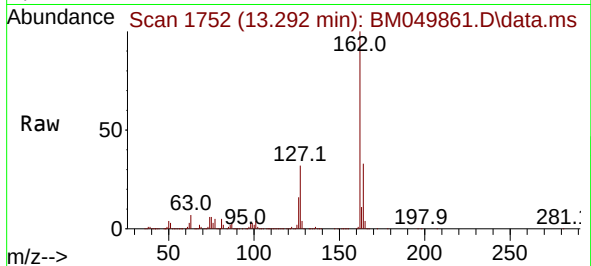




#47
2-Chloronaphthalene
Concen: 42.179 ng
RT: 13.292 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

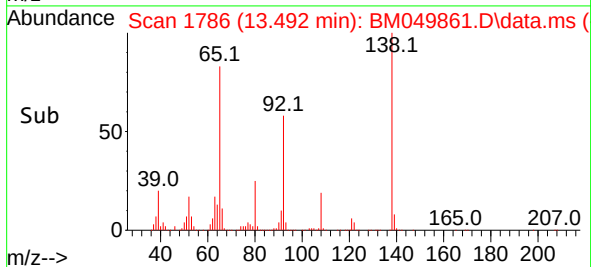
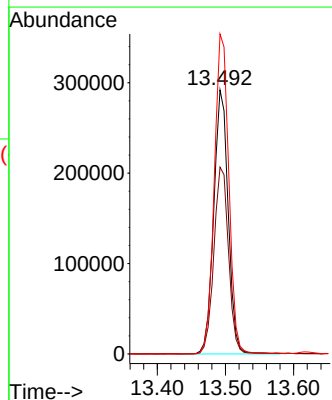
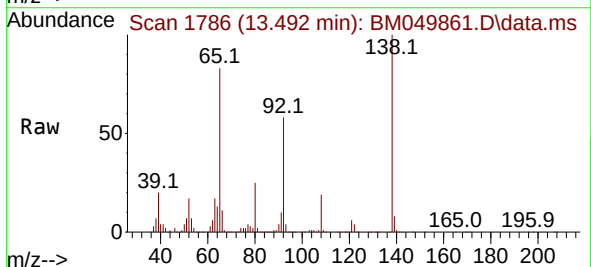
Instrument :
BNA_M
ClientSampleId :
PB167521BS

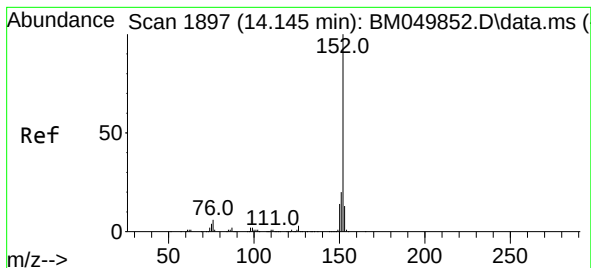
Tgt Ion:162 Resp: 1799659
Ion Ratio Lower Upper
162 100
127 32.1 26.0 39.0
164 32.9 25.9 38.9



#48
2-Nitroaniline
Concen: 43.764 ng
RT: 13.492 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion: 65 Resp: 431984
Ion Ratio Lower Upper
65 100
92 70.7 58.4 87.6
138 121.2 100.8 151.2





#49

Acenaphthylene

Concen: 45.664 ng

RT: 14.139 min Scan# 1896

Delta R.T. -0.006 min

Lab File: BM049861.D

Acq: 09 Apr 2025 10:27

Instrument :

BNA_M

ClientSampleId :

PB167521BS

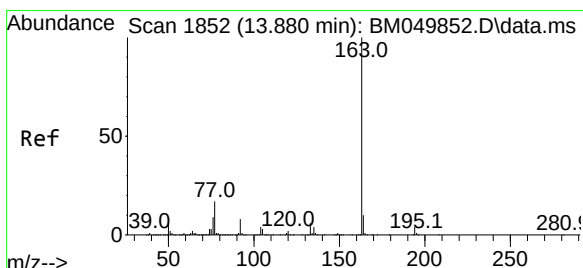
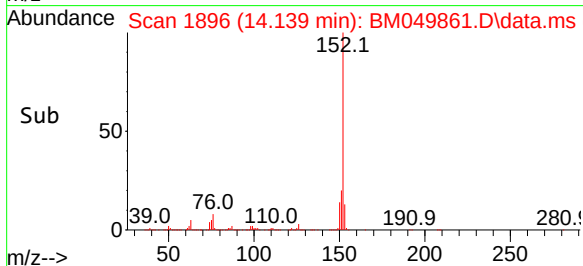
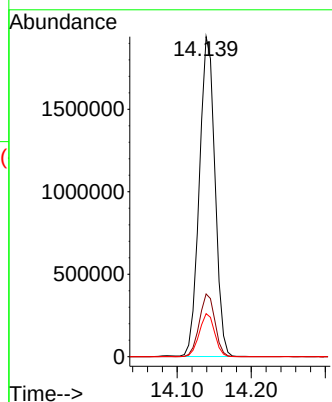
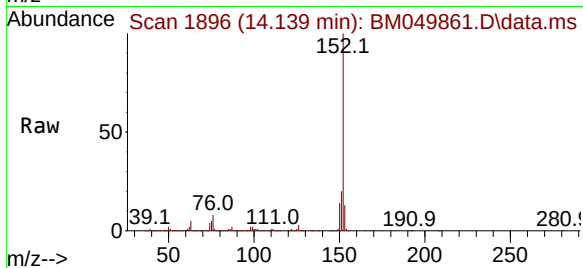
Tgt Ion:152 Resp: 2838072

Ion Ratio Lower Upper

152 100

151 19.6 15.7 23.5

153 13.4 10.4 15.6



#50

Dimethylphthalate

Concen: 42.064 ng

RT: 13.880 min Scan# 1852

Delta R.T. -0.000 min

Lab File: BM049861.D

Acq: 09 Apr 2025 10:27

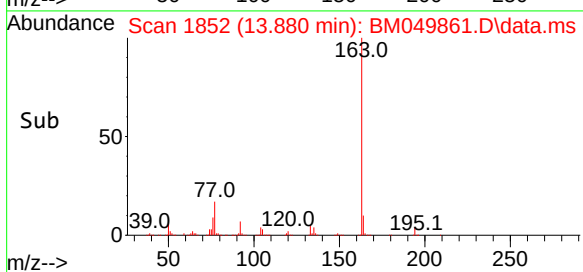
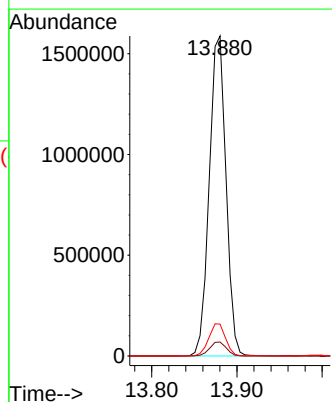
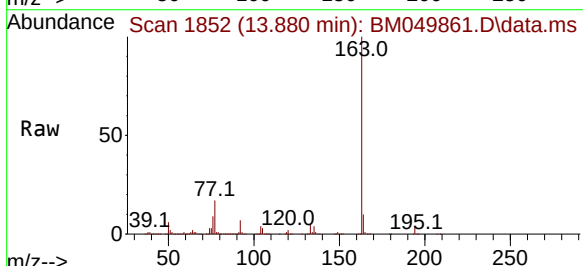
Tgt Ion:163 Resp: 2167102

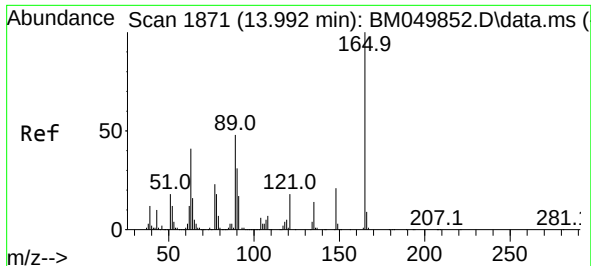
Ion Ratio Lower Upper

163 100

194 4.3 3.5 5.3

164 9.9 7.9 11.9

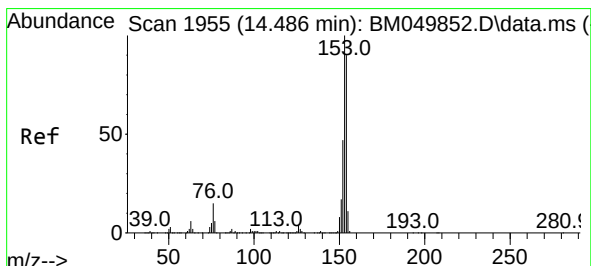
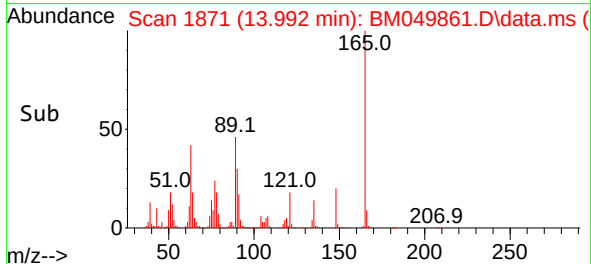
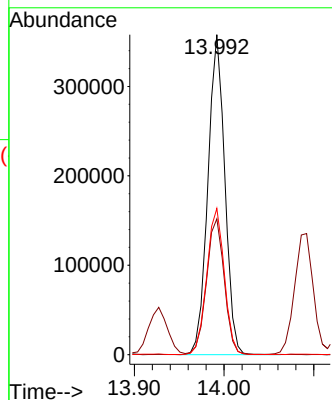
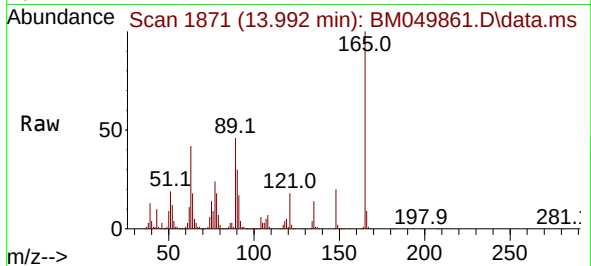




#51
2,6-Dinitrotoluene
Concen: 43.415 ng
RT: 13.992 min Scan# 1871
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

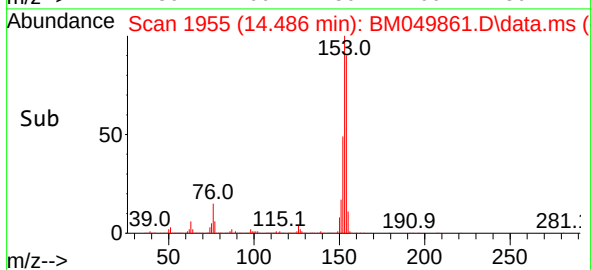
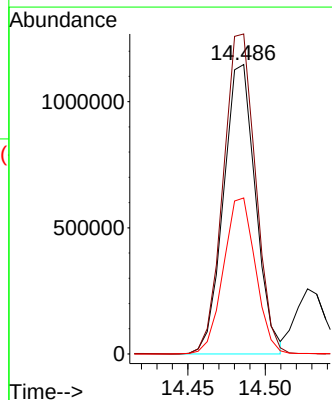
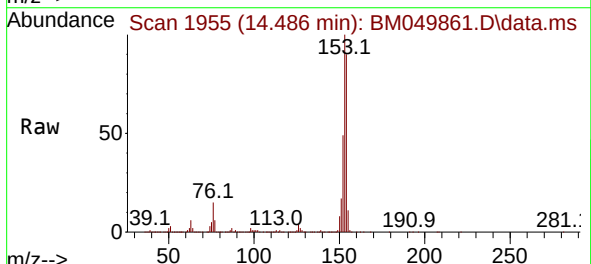
Instrument :
BNA_M
ClientSampleId :
PB167521BS

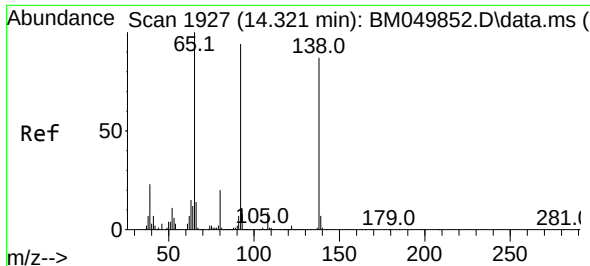
Tgt Ion:165 Resp: 468618
Ion Ratio Lower Upper
165 100
63 42.5 36.1 54.1
89 45.7 38.3 57.5



#52
Acenaphthene
Concen: 41.742 ng
RT: 14.486 min Scan# 1955
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:154 Resp: 1650214
Ion Ratio Lower Upper
154 100
153 110.6 89.3 133.9
152 53.9 42.2 63.2

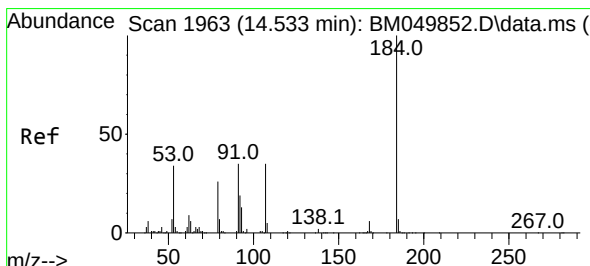
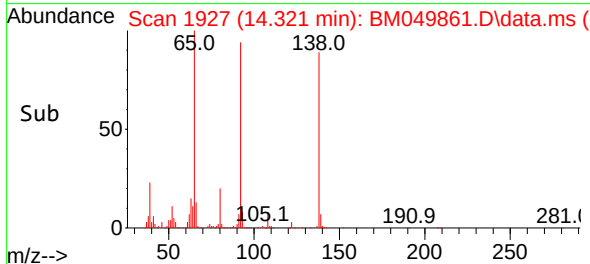
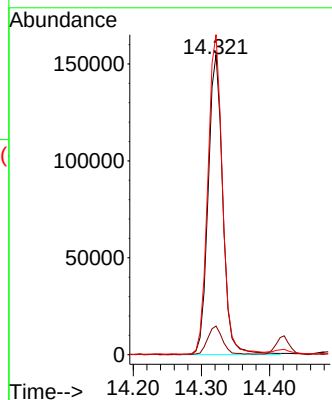
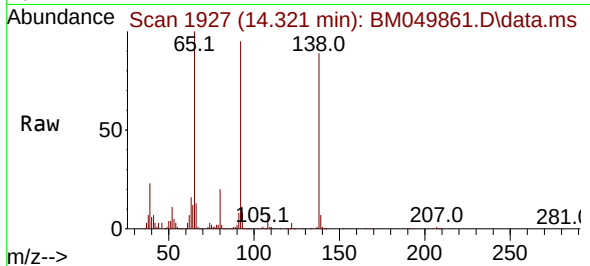




#53
3-Nitroaniline
Concen: 22.180 ng
RT: 14.321 min Scan# 1927
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

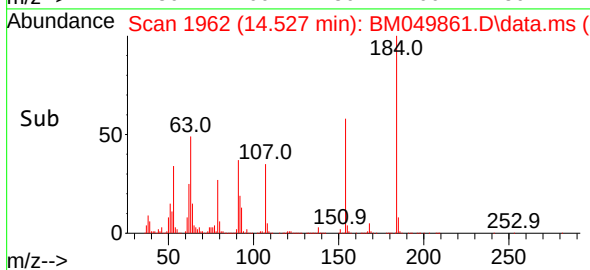
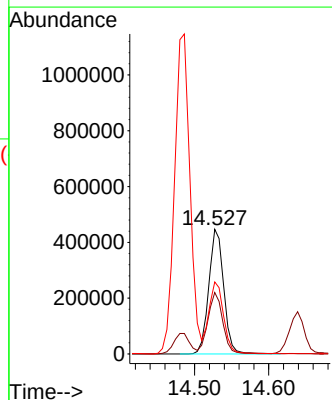
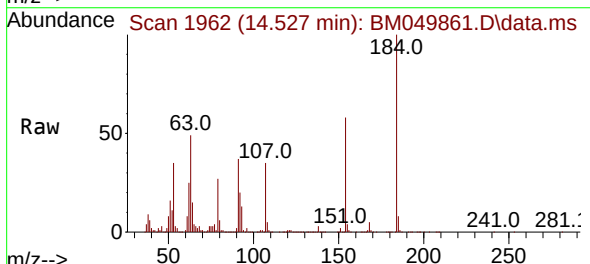
Instrument :
BNA_M
ClientSampleId :
PB167521BS

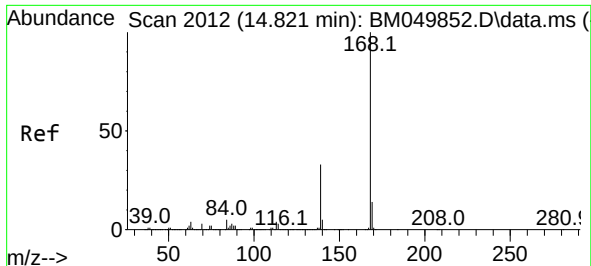
Tgt Ion:138 Resp: 231391
Ion Ratio Lower Upper
138 100
108 9.6 8.1 12.1
92 106.5 86.5 129.7



#54
2,4-Dinitrophenol
Concen: 80.241 ng
RT: 14.527 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:184 Resp: 627402
Ion Ratio Lower Upper
184 100
63 49.3 38.4 57.6
154 57.7 48.1 72.1

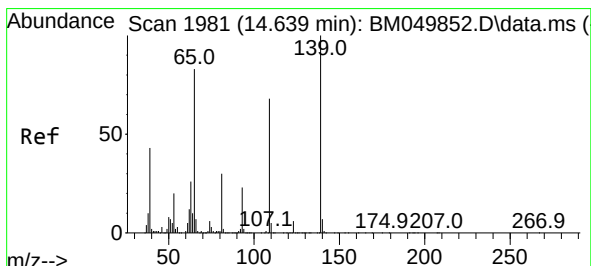
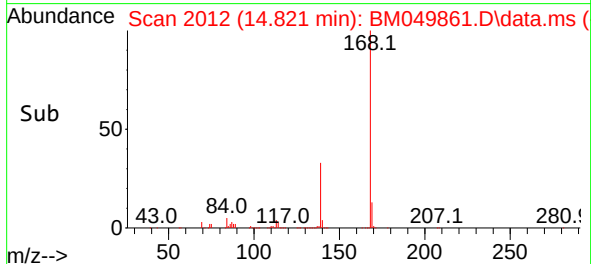
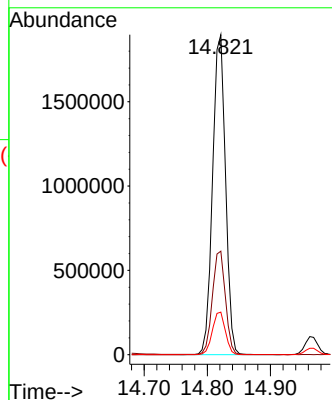
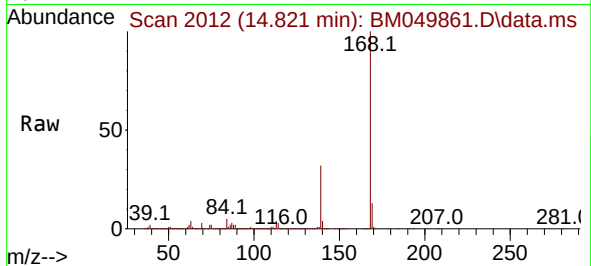




#55
Dibenzenofuran
Concen: 40.674 ng
RT: 14.821 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

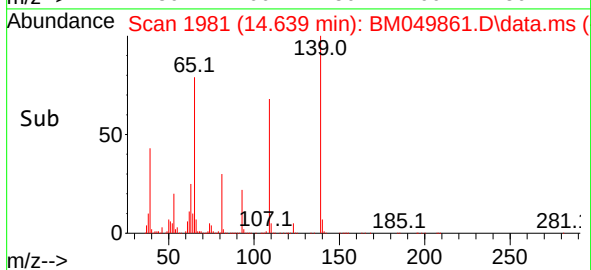
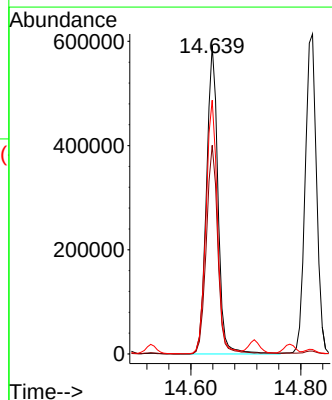
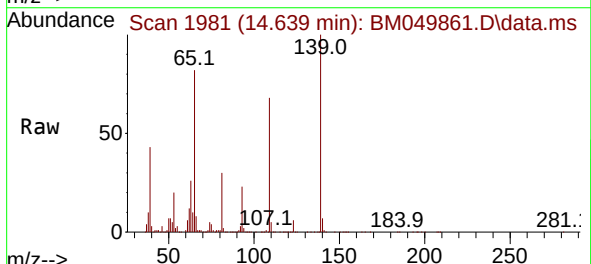
Instrument :
BNA_M
ClientSampleId :
PB167521BS

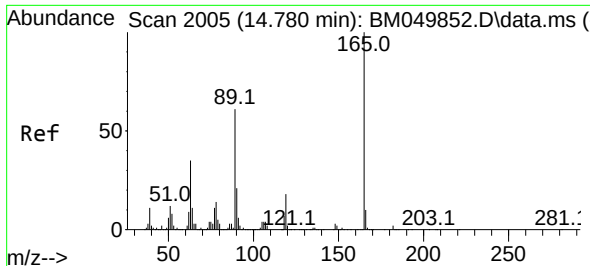
Tgt Ion:168 Resp: 2688052
Ion Ratio Lower Upper
168 100
139 32.4 26.6 39.8
169 13.3 11.0 16.4



#56
4-Nitrophenol
Concen: 92.427 ng
RT: 14.639 min Scan# 1981
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:139 Resp: 859247
Ion Ratio Lower Upper
139 100
109 67.7 47.9 87.9
65 82.3 62.7 102.7

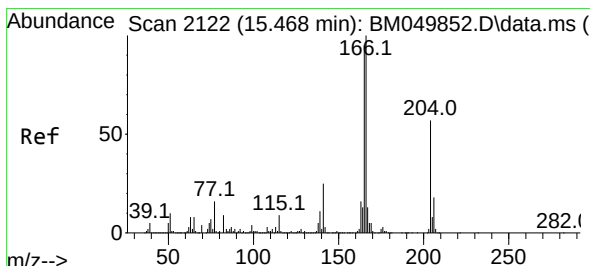
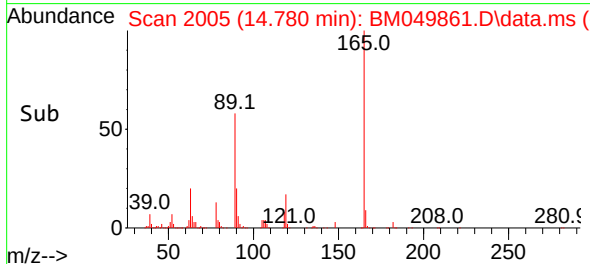
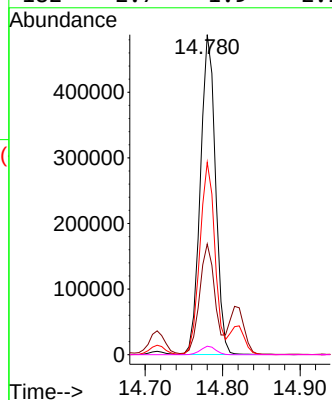
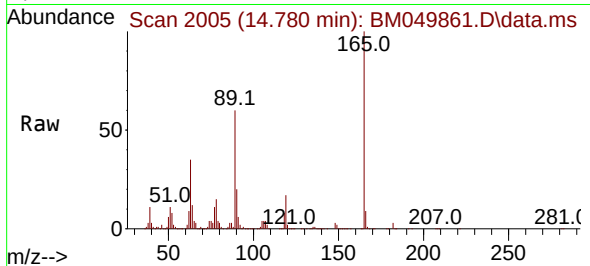




#57
2,4-Dinitrotoluene
Concen: 45.806 ng
RT: 14.780 min Scan# 2005
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

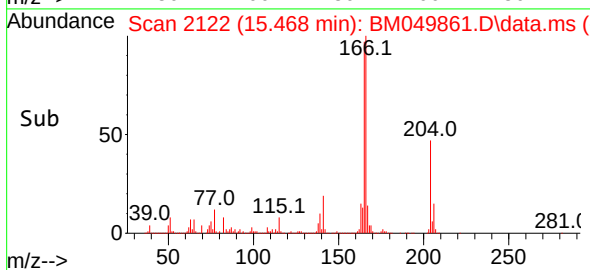
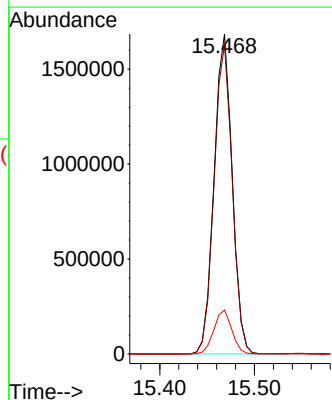
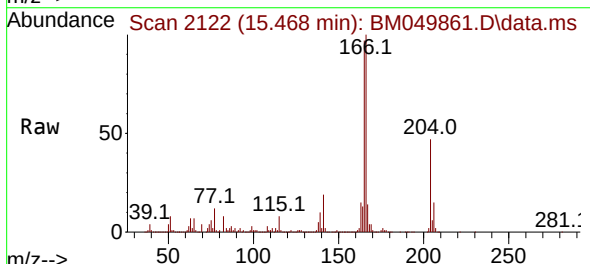
Instrument :
BNA_M
ClientSampleId :
PB167521BS

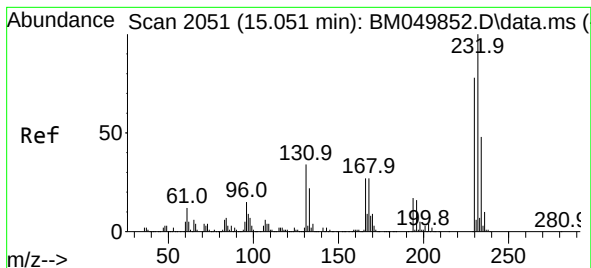
Tgt Ion:	165	Resp:	659596
Ion	Ratio	Lower	Upper
165	100		
63	34.6	28.6	42.8
89	60.1	49.0	73.6
182	2.7	1.9	2.9



#58
Fluorene
Concen: 42.685 ng
RT: 15.468 min Scan# 2122
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:	166	Resp:	2242323
Ion	Ratio	Lower	Upper
166	100		
165	96.6	76.3	114.5
167	13.8	10.7	16.1

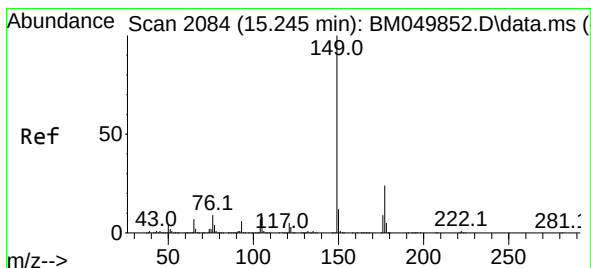
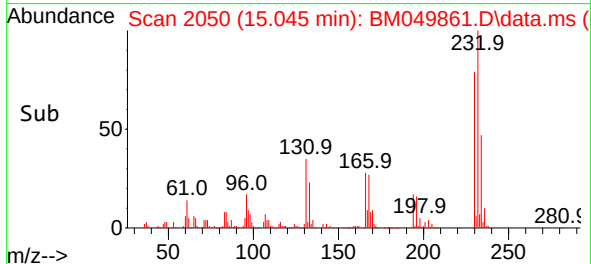
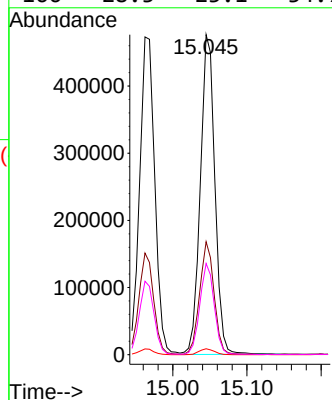
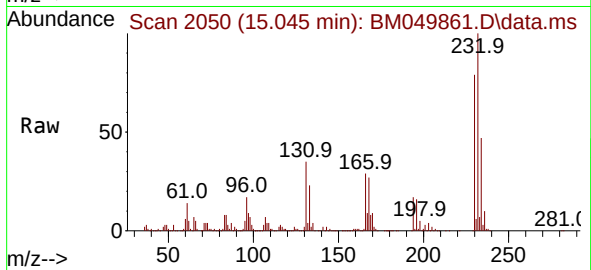




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.062 ng
RT: 15.045 min Scan# 2050
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

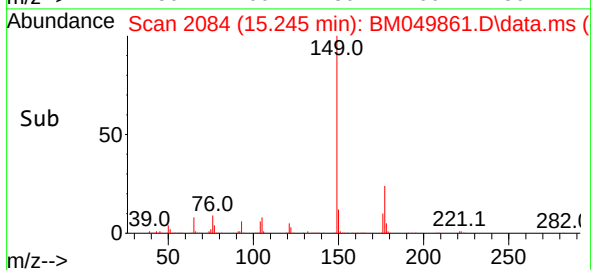
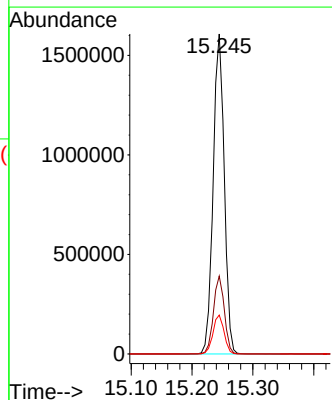
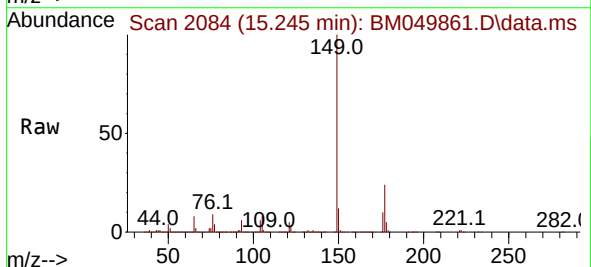
Instrument :
BNA_M
ClientSampleId :
PB167521BS

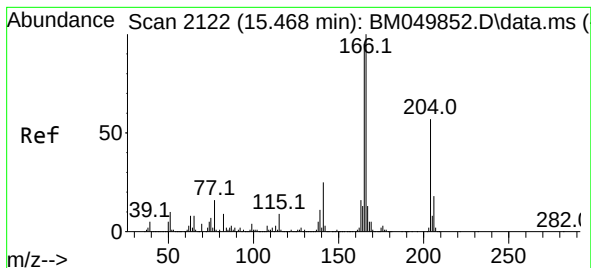
Tgt Ion:232 Resp: 651304
Ion Ratio Lower Upper
232 100
131 34.9 28.4 42.6
130 1.9 1.6 2.4
166 28.3 23.1 34.7



#60
Diethylphthalate
Concen: 41.151 ng
RT: 15.245 min Scan# 2084
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:149 Resp: 2033089
Ion Ratio Lower Upper
149 100
177 24.3 19.0 28.4
150 12.2 9.7 14.5

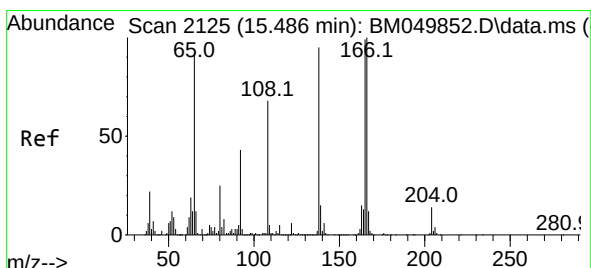
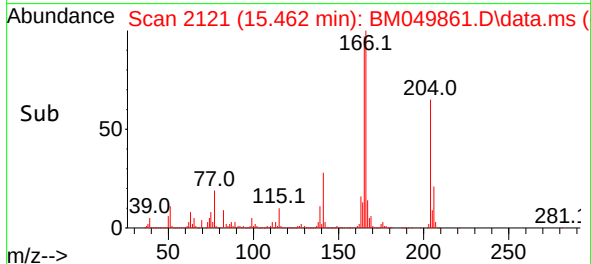
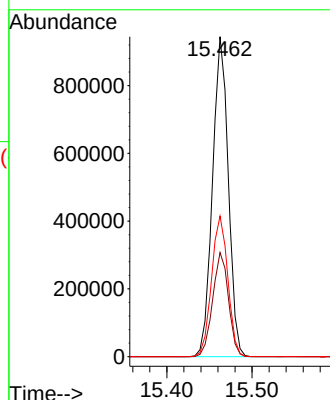
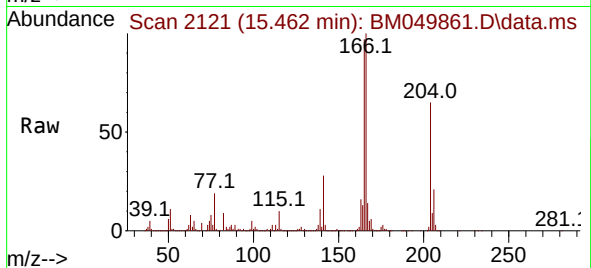




#61
4-Chlorophenyl-phenylether
Concen: 43.138 ng
RT: 15.462 min Scan# 2122
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

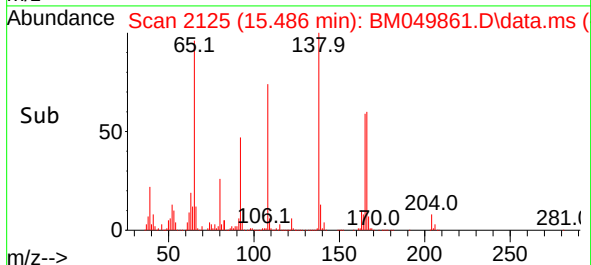
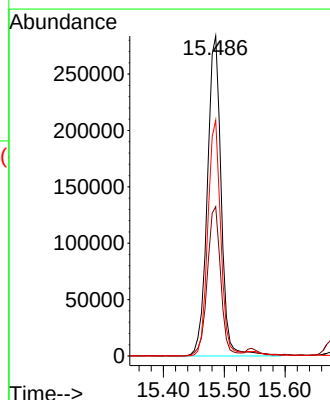
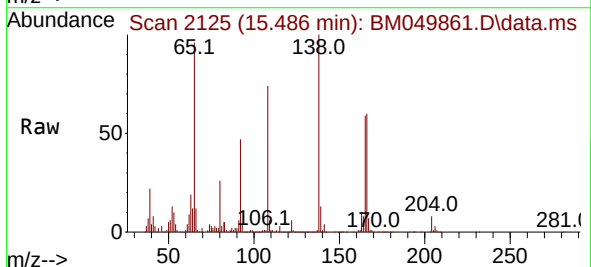
Instrument :
BNA_M
ClientSampleId :
PB167521BS

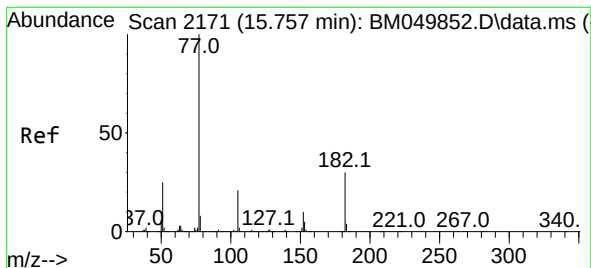
Tgt Ion:204 Resp: 1214951
Ion Ratio Lower Upper
204 100
206 32.6 26.2 39.2
141 43.9 35.0 52.6



#62
4-Nitroaniline
Concen: 41.612 ng
RT: 15.486 min Scan# 2125
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:138 Resp: 448934
Ion Ratio Lower Upper
138 100
92 46.7 24.9 64.9
108 73.7 51.7 91.7





#63

Azobenzene

Concen: 41.341 ng

RT: 15.757 min Scan# 2171

Delta R.T. -0.000 min

Lab File: BM049861.D

Acq: 09 Apr 2025 10:27

Instrument :

BNA_M

ClientSampleId :

PB167521BS

Tgt Ion: 77 Resp: 1748674

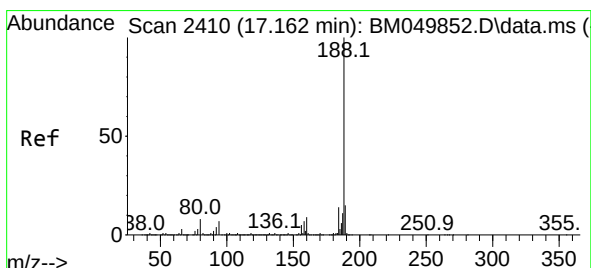
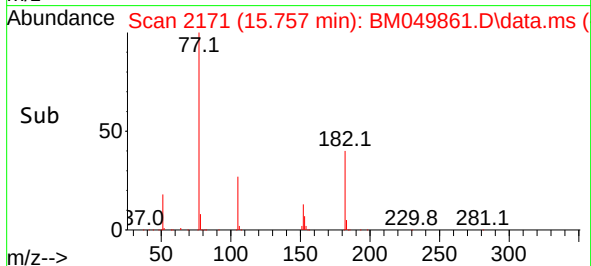
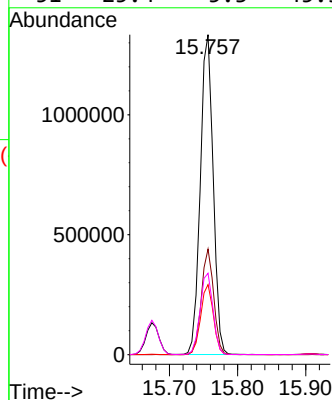
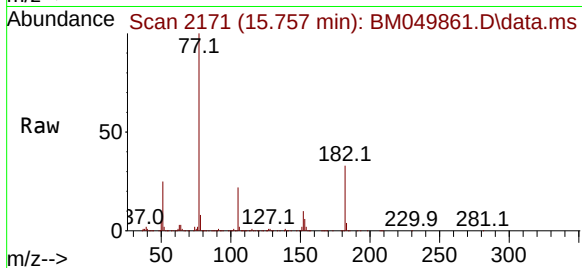
Ion Ratio Lower Upper

77 100

182 33.0 10.4 50.4

105 21.9 1.5 41.5

51 25.4 5.3 45.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.162 min Scan# 2410

Delta R.T. -0.000 min

Lab File: BM049861.D

Acq: 09 Apr 2025 10:27

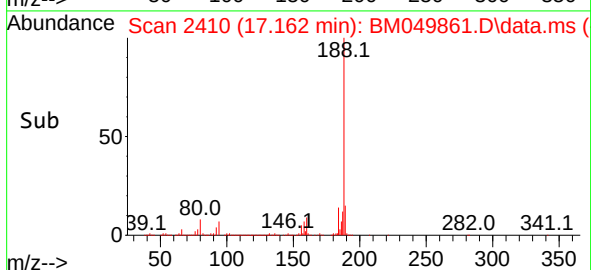
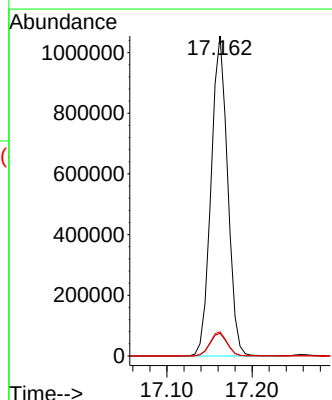
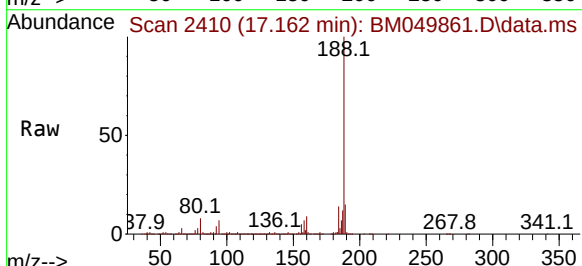
Tgt Ion: 188 Resp: 1422911

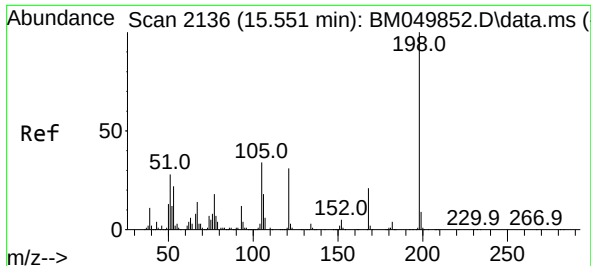
Ion Ratio Lower Upper

188 100

94 7.1 5.8 8.6

80 7.6 6.4 9.6

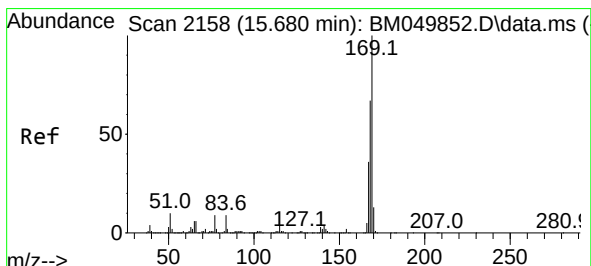
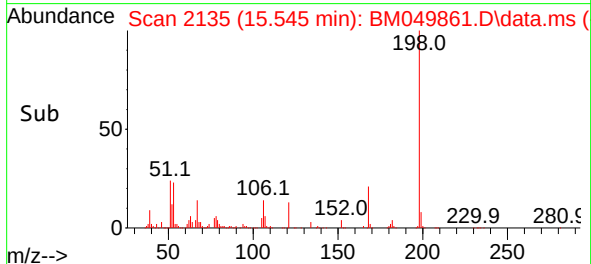
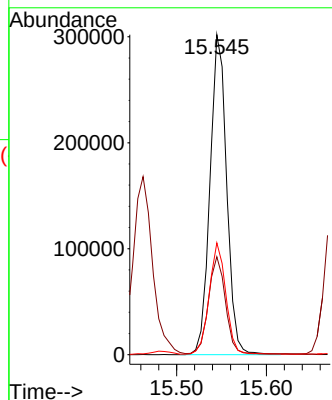
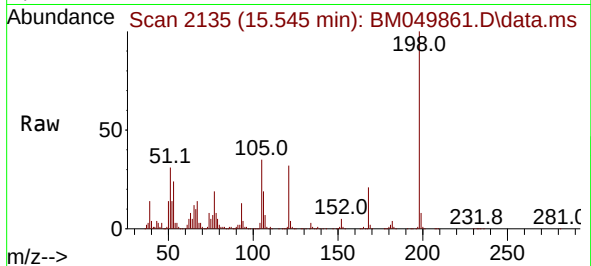




#65
4,6-Dinitro-2-methylphenol
Concen: 43.564 ng
RT: 15.545 min Scan# 2135
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

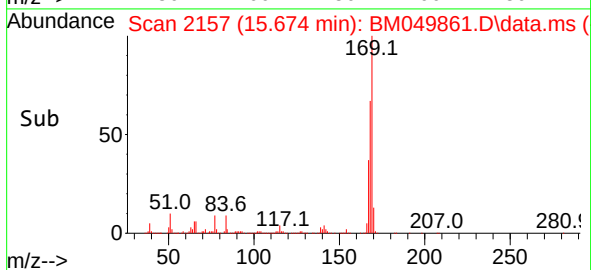
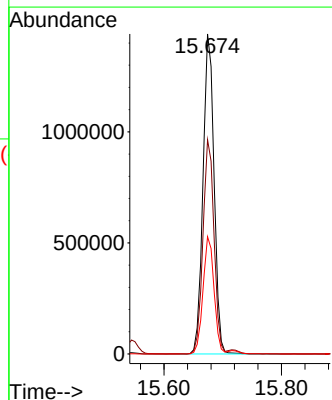
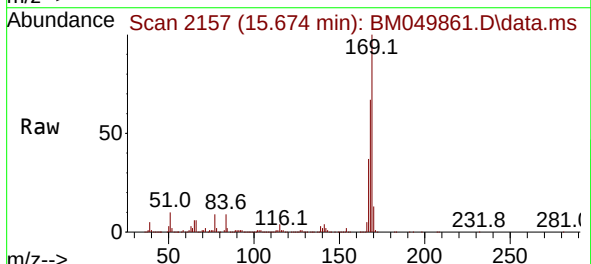
Instrument :
BNA_M
ClientSampleId :
PB167521BS

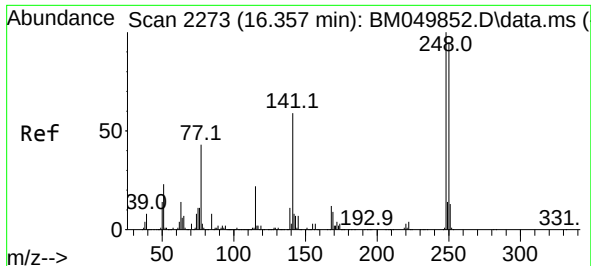
Tgt Ion:198 Resp: 390616
Ion Ratio Lower Upper
198 100
51 30.6 9.6 49.6
105 35.0 14.7 54.7



#66
n-Nitrosodiphenylamine
Concen: 44.346 ng
RT: 15.674 min Scan# 2157
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:169 Resp: 1888370
Ion Ratio Lower Upper
169 100
168 66.9 53.4 80.2
167 36.6 29.0 43.6

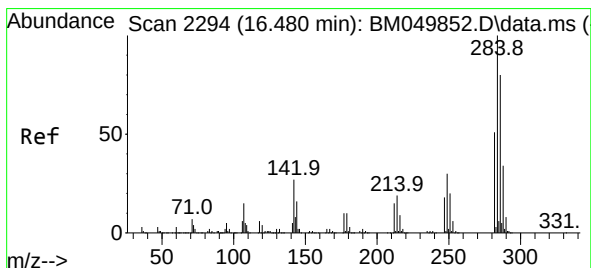
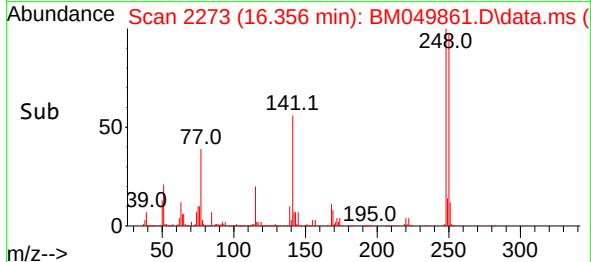
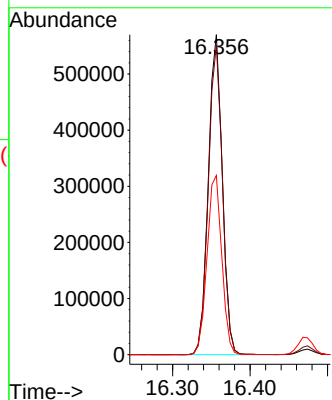
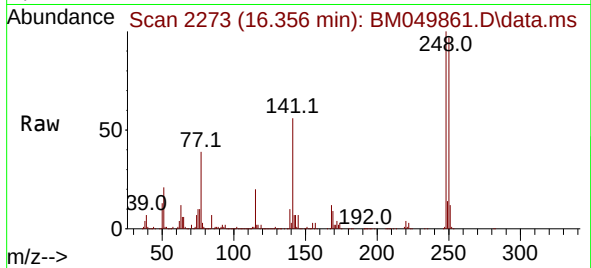




#67
4-Bromophenyl-phenylether
Concen: 43.398 ng
RT: 16.356 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

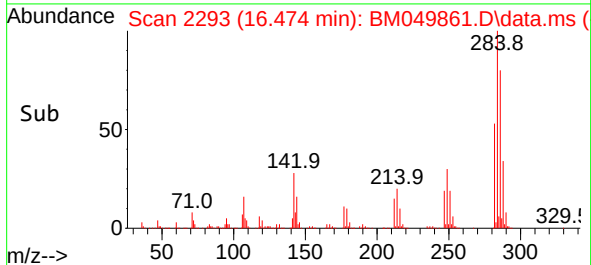
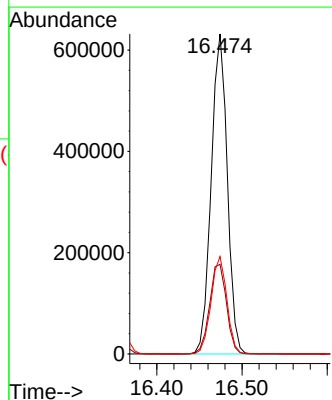
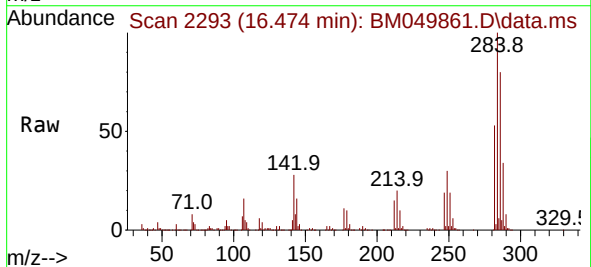
Instrument :
BNA_M
ClientSampleId :
PB167521BS

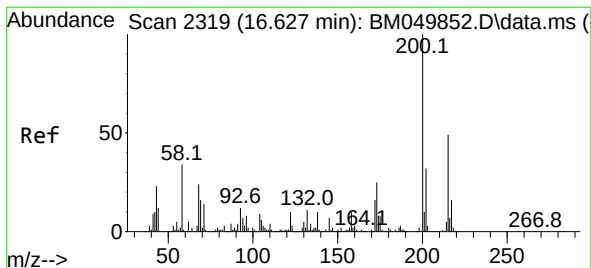
Tgt Ion:248 Resp: 716854
Ion Ratio Lower Upper
248 100
250 96.8 76.2 114.2
141 56.0 47.3 70.9



#68
Hexachlorobenzene
Concen: 43.760 ng
RT: 16.474 min Scan# 2293
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:284 Resp: 829113
Ion Ratio Lower Upper
284 100
142 28.0 21.2 31.8
249 30.4 24.1 36.1





#69

Atrazine

Concen: 62.213 ng

RT: 16.627 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM049861.D

Acq: 09 Apr 2025 10:27

Instrument :

BNA_M

ClientSampleId :

PB167521BS

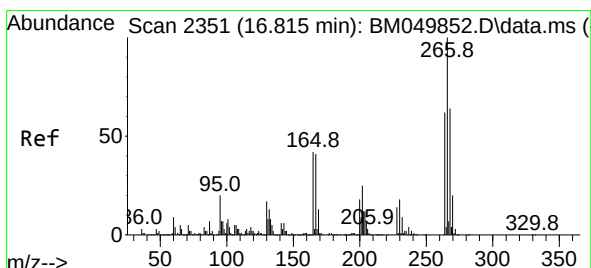
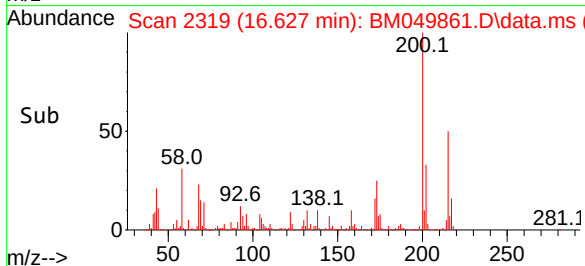
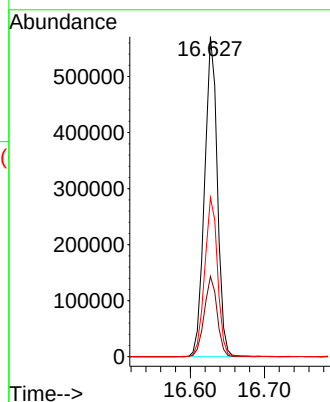
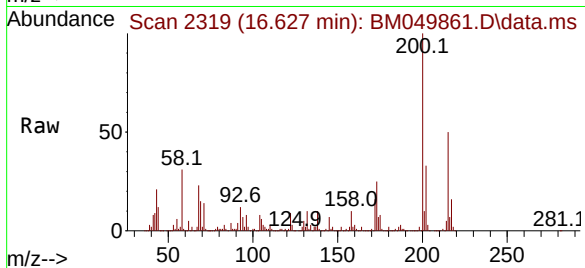
Tgt Ion:200 Resp: 686882

Ion Ratio Lower Upper

200 100

173 25.1 5.4 45.4

215 49.7 29.0 69.0



#70

Pentachlorophenol

Concen: 86.985 ng

RT: 16.815 min Scan# 2351

Delta R.T. -0.000 min

Lab File: BM049861.D

Acq: 09 Apr 2025 10:27

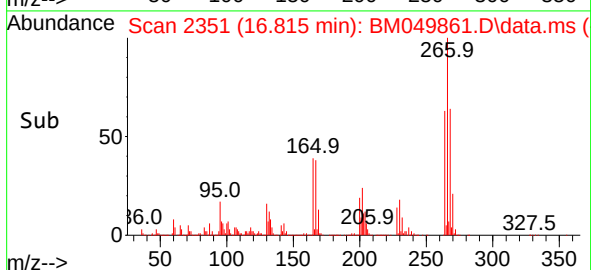
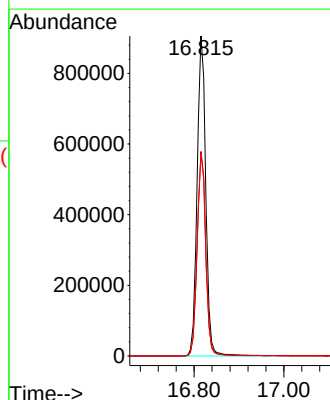
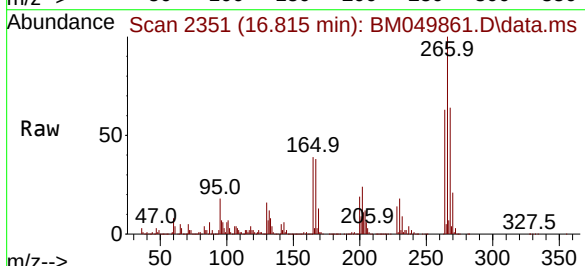
Tgt Ion:266 Resp: 1213366

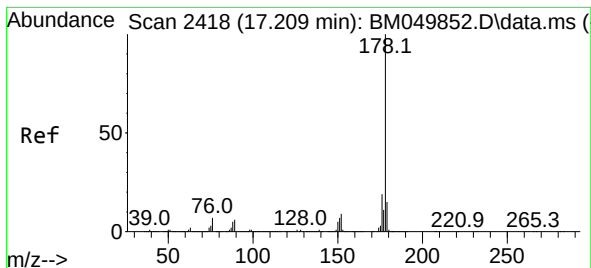
Ion Ratio Lower Upper

266 100

268 63.9 51.4 77.2

264 63.5 49.8 74.8





#71

Phenanthrene

Concen: 43.769 ng

RT: 17.203 min Scan# 2418

Delta R.T. -0.006 min

Lab File: BM049861.D

Acq: 09 Apr 2025 10:27

Instrument :

BNA_M

ClientSampleId :

PB167521BS

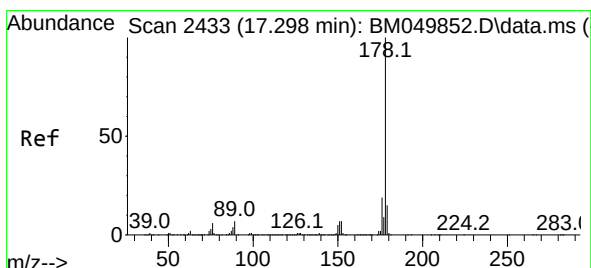
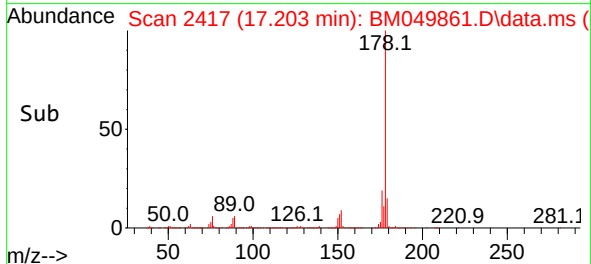
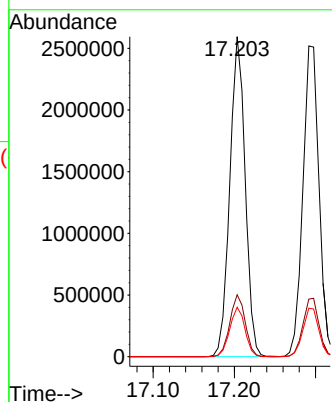
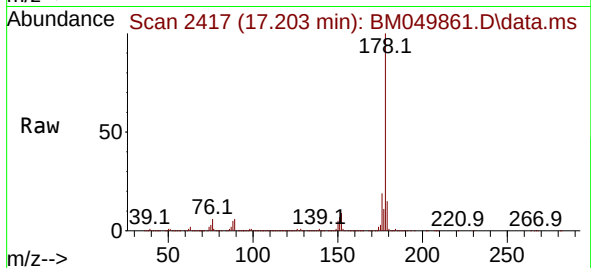
Tgt Ion:178 Resp: 3414386

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.2

179 15.5 12.3 18.5



#72

Anthracene

Concen: 45.387 ng

RT: 17.292 min Scan# 2432

Delta R.T. -0.006 min

Lab File: BM049861.D

Acq: 09 Apr 2025 10:27

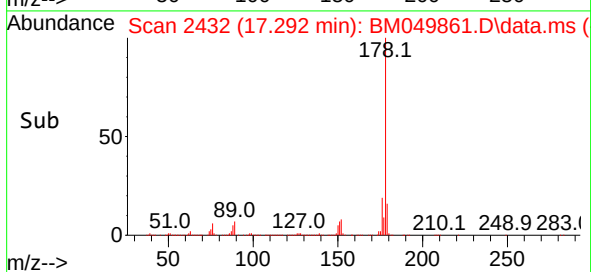
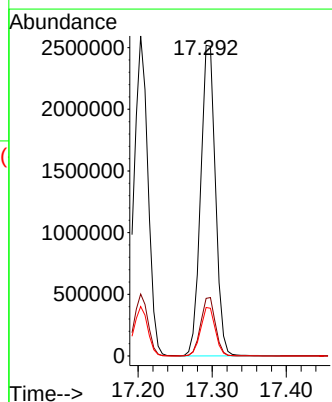
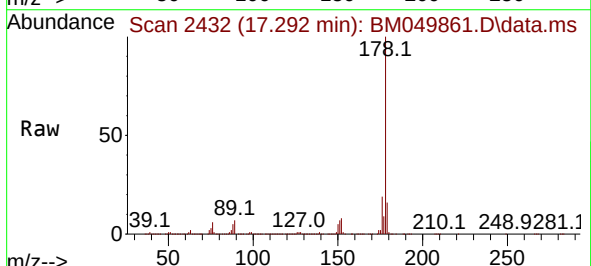
Tgt Ion:178 Resp: 3489185

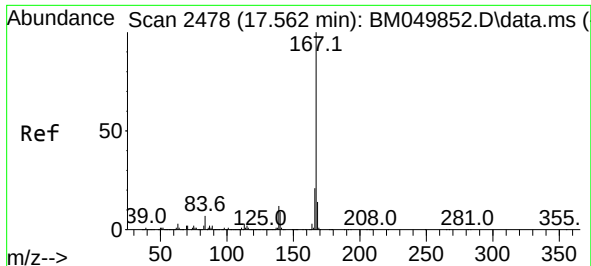
Ion Ratio Lower Upper

178 100

176 18.6 15.1 22.7

179 15.6 12.4 18.6

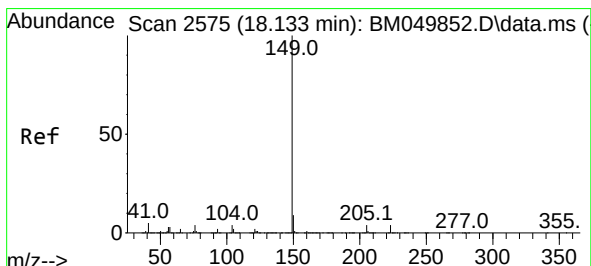
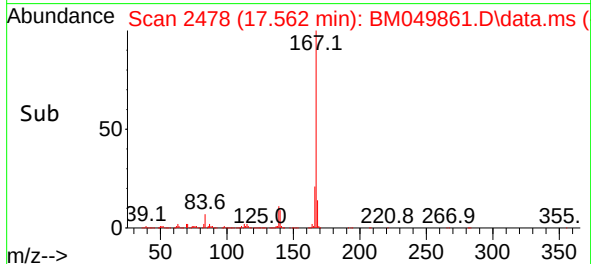
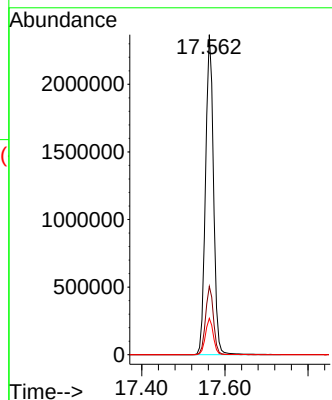
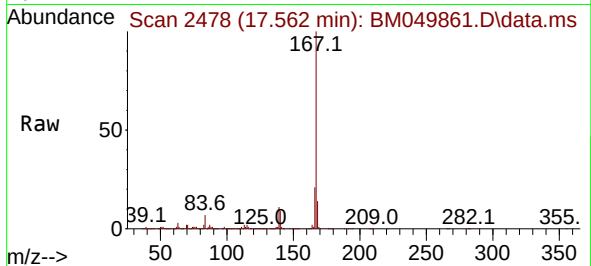




#73
 Carbazole
 Concen: 43.674 ng
 RT: 17.562 min Scan# 24
 Delta R.T. -0.000 min
 Lab File: BM049861.D
 Acq: 09 Apr 2025 10:27

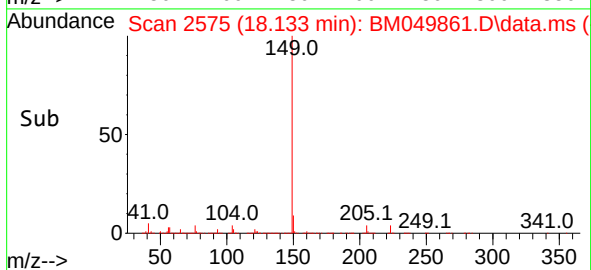
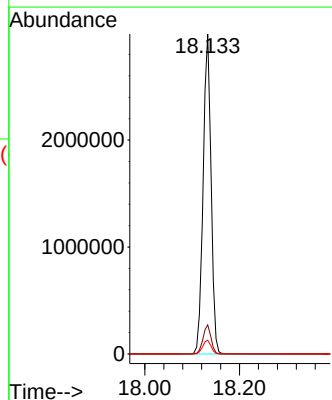
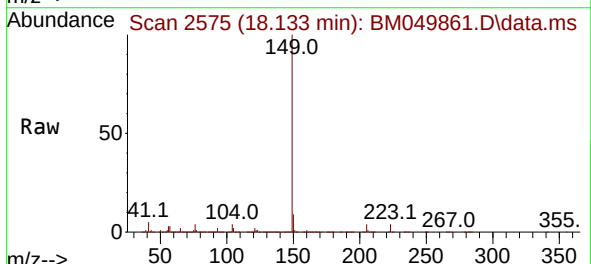
Instrument :
 BNA_M
 ClientSampleId :
 PB167521BS

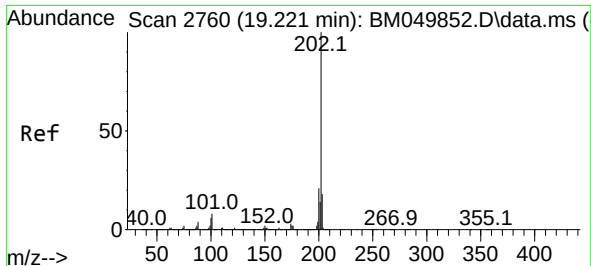
Tgt Ion:167 Resp: 3162399
 Ion Ratio Lower Upper
 167 100
 166 21.3 16.9 25.3
 139 11.3 9.3 13.9



#74
 Di-n-butylphthalate
 Concen: 41.808 ng
 RT: 18.133 min Scan# 2575
 Delta R.T. -0.000 min
 Lab File: BM049861.D
 Acq: 09 Apr 2025 10:27

Tgt Ion:149 Resp: 3486809
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.5 11.3
 104 4.3 3.5 5.3

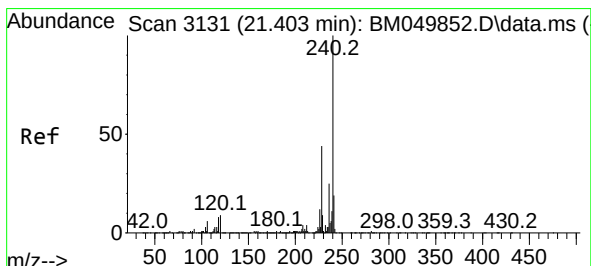
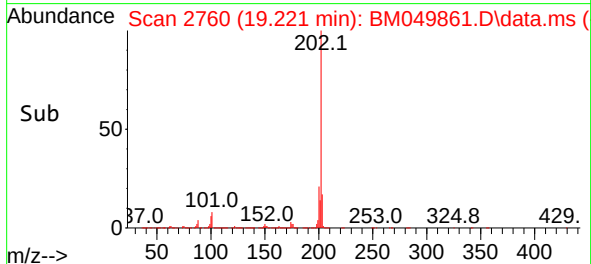
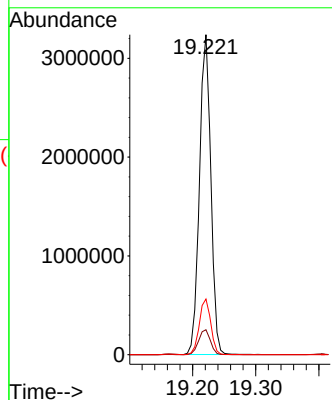
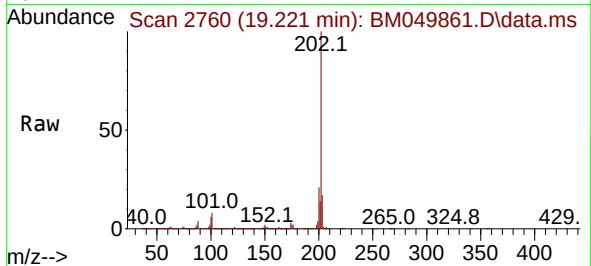




#75
Fluoranthene
Concen: 42.074 ng
RT: 19.221 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

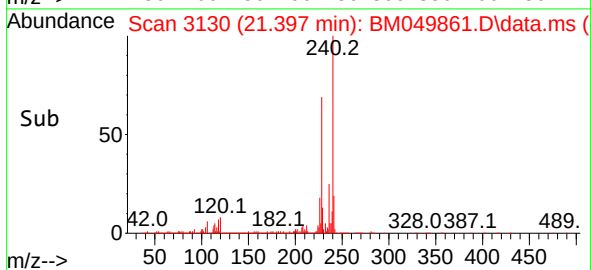
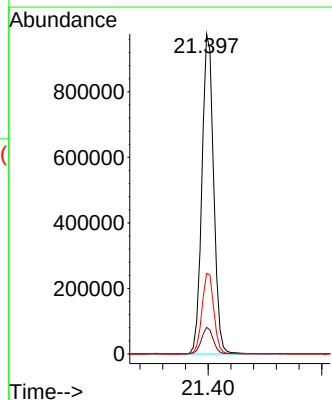
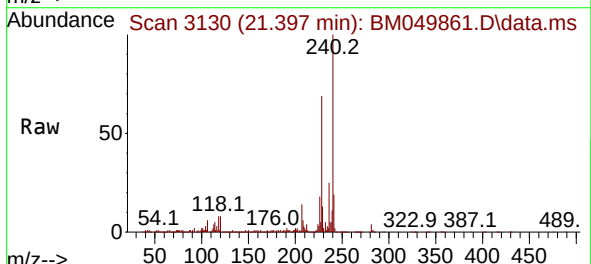
Instrument :
BNA_M
ClientSampleId :
PB167521BS

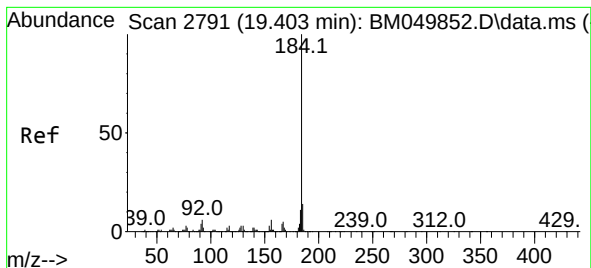
Tgt Ion:202 Resp: 4035546
Ion Ratio Lower Upper
202 100
101 7.8 0.0 28.4
203 17.4 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:240 Resp: 1400193
Ion Ratio Lower Upper
240 100
120 8.3 6.9 10.3
236 25.2 20.4 30.6





#77

Benzidine

Concen: 90.482 ng

RT: 19.403 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM049861.D

Acq: 09 Apr 2025 10:27

Instrument :

BNA_M

ClientSampleId :

PB167521BS

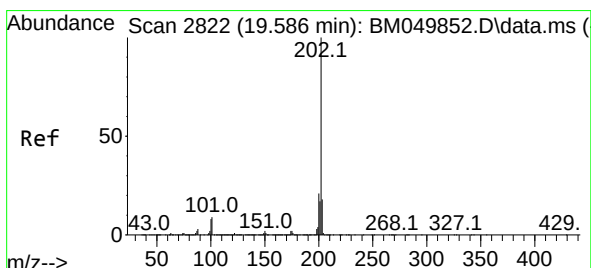
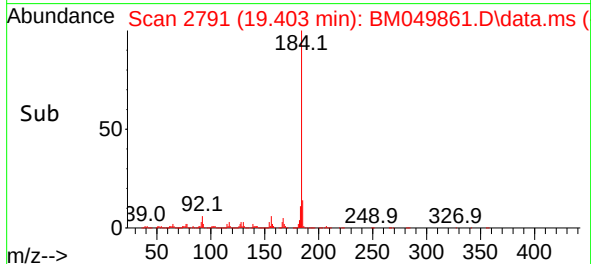
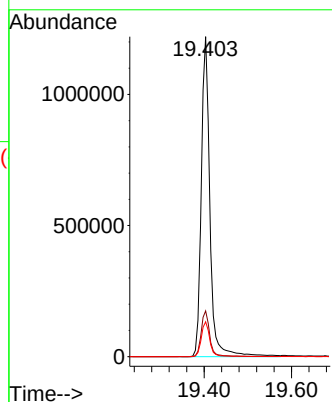
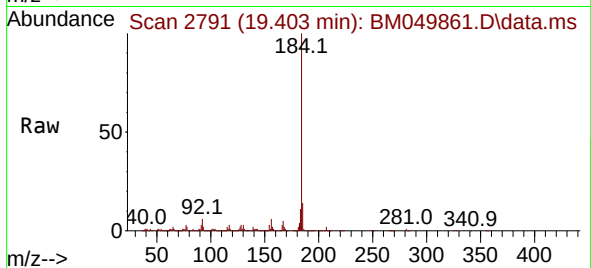
Tgt Ion:184 Resp: 1680751

Ion Ratio Lower Upper

184 100

185 14.3 11.4 17.2

183 10.9 8.8 13.2



#78

Pyrene

Concen: 43.770 ng

RT: 19.580 min Scan# 2821

Delta R.T. -0.006 min

Lab File: BM049861.D

Acq: 09 Apr 2025 10:27

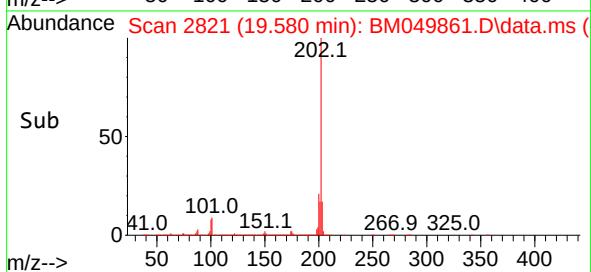
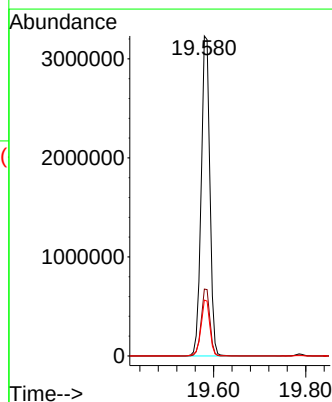
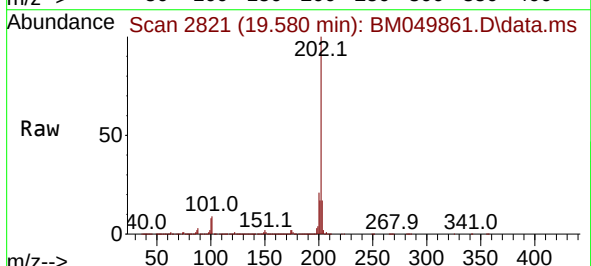
Tgt Ion:202 Resp: 4223716

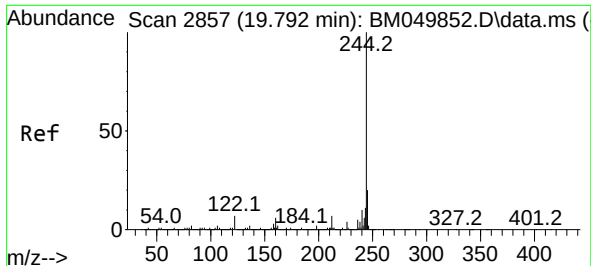
Ion Ratio Lower Upper

202 100

200 20.9 16.5 24.7

203 17.5 14.0 21.0

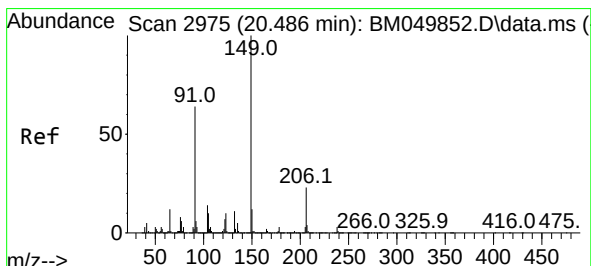
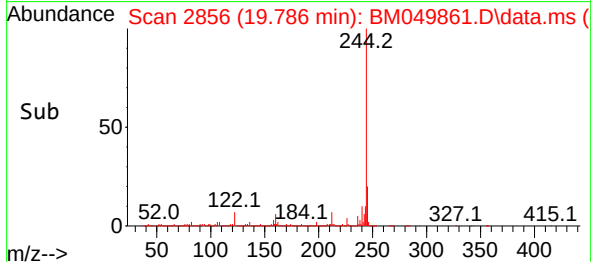
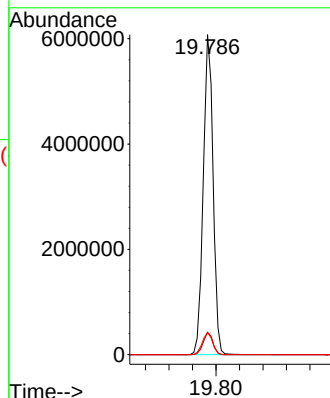
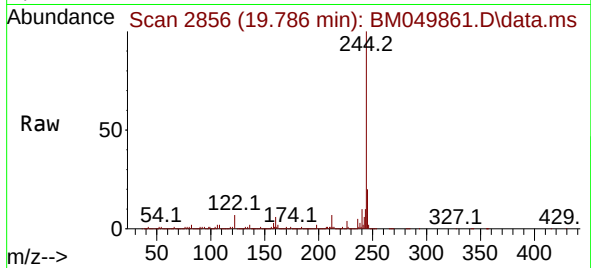




#79
 Terphenyl-d14
 Concen: 94.364 ng
 RT: 19.786 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM049861.D
 Acq: 09 Apr 2025 10:27

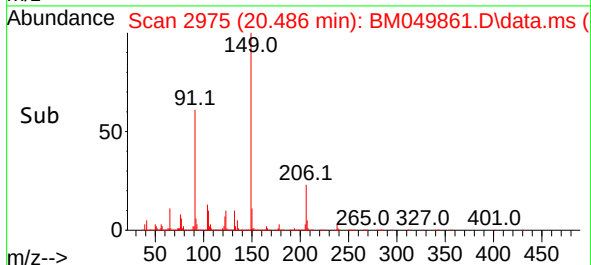
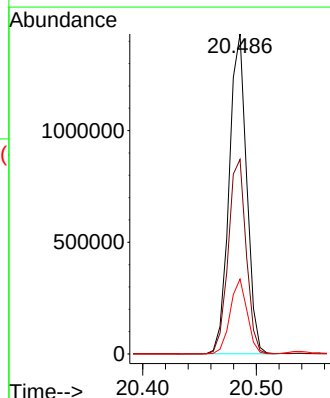
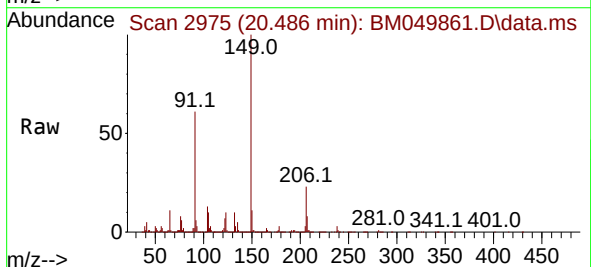
Instrument :
 BNA_M
 ClientSampleId :
 PB167521BS

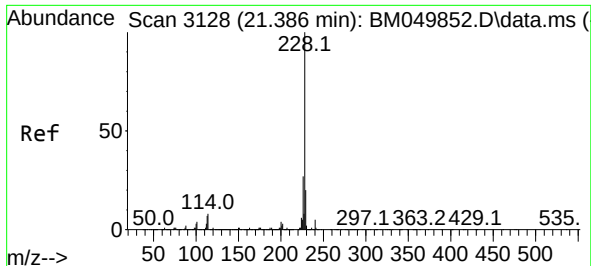
Tgt Ion:244 Resp: 7050422
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.5 8.3
 122 7.0 5.4 8.0



#80
 Butylbenzylphthalate
 Concen: 42.270 ng
 RT: 20.486 min Scan# 2975
 Delta R.T. -0.000 min
 Lab File: BM049861.D
 Acq: 09 Apr 2025 10:27

Tgt Ion:149 Resp: 1532691
 Ion Ratio Lower Upper
 149 100
 91 60.8 50.9 76.3
 206 23.4 18.4 27.6

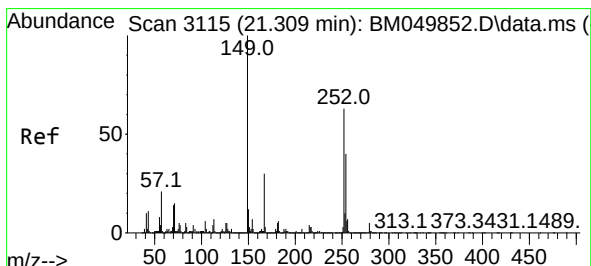
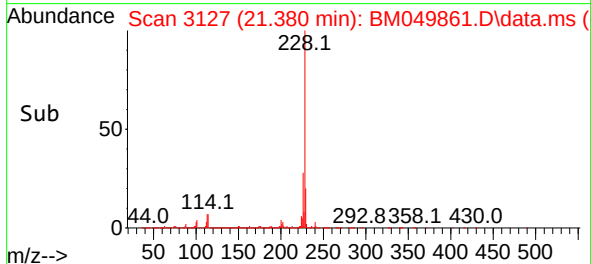
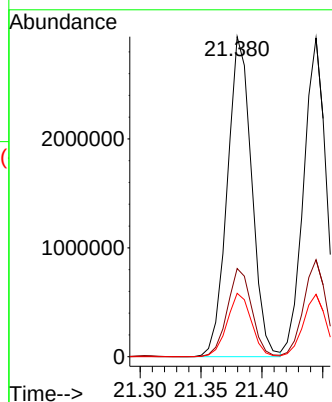
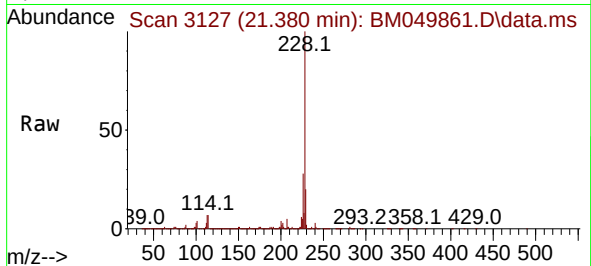




#81
Benzo(a)anthracene
Concen: 44.017 ng
RT: 21.380 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

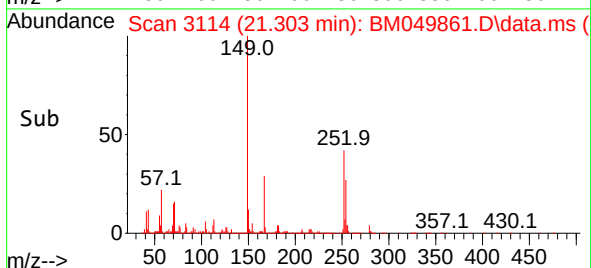
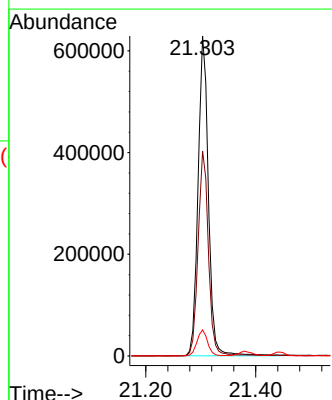
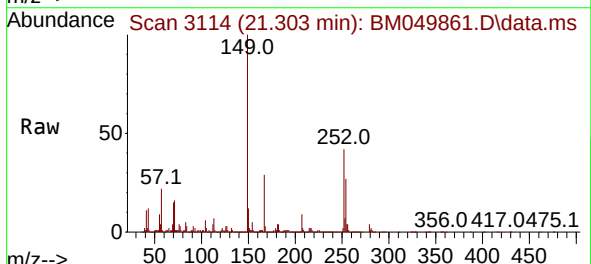
Instrument :
BNA_M
ClientSampleId :
PB167521BS

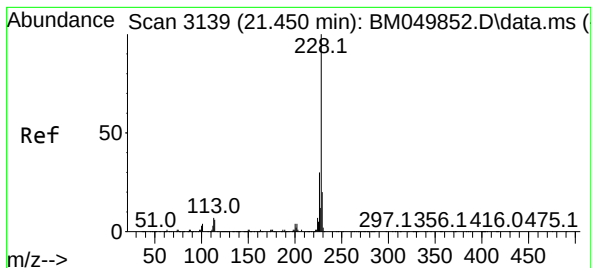
Tgt Ion:228 Resp: 4096069
Ion Ratio Lower Upper
228 100
226 27.6 21.8 32.8
229 19.8 15.8 23.8



#82
3,3'-Dichlorobenzidine
Concen: 23.478 ng
RT: 21.303 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:252 Resp: 825078
Ion Ratio Lower Upper
252 100
254 64.0 51.5 77.3
126 8.1 6.3 9.5





#83

Chrysene

Concen: 43.060 ng

RT: 21.444 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM049861.D

Acq: 09 Apr 2025 10:27

Instrument :

BNA_M

ClientSampleId :

PB167521BS

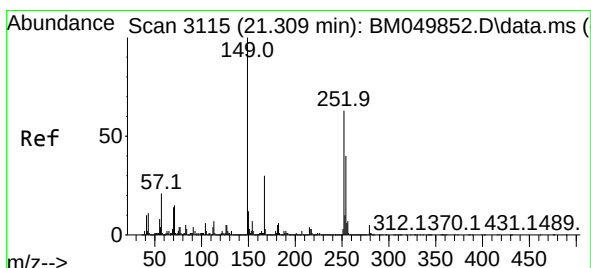
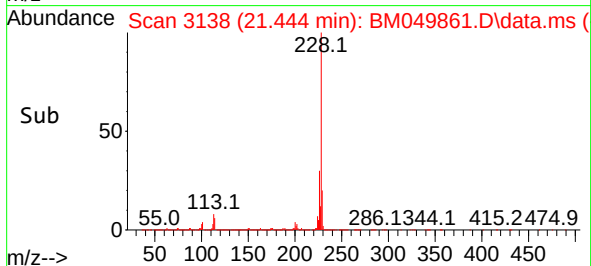
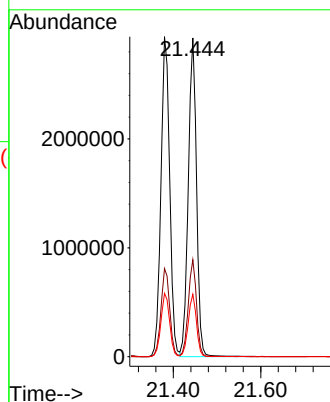
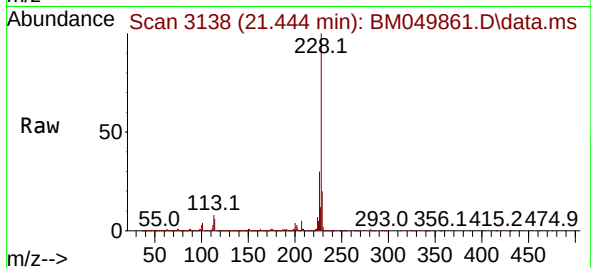
Tgt Ion:228 Resp: 3809504

Ion Ratio Lower Upper

228 100

226 30.4 24.1 36.1

229 19.6 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 41.737 ng

RT: 21.309 min Scan# 3115

Delta R.T. -0.000 min

Lab File: BM049861.D

Acq: 09 Apr 2025 10:27

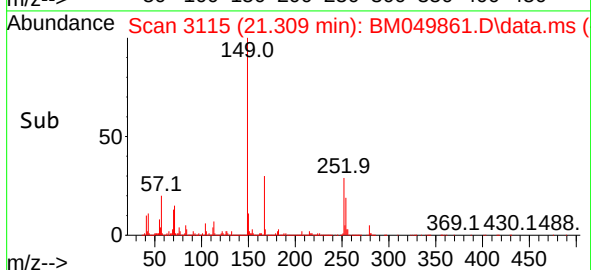
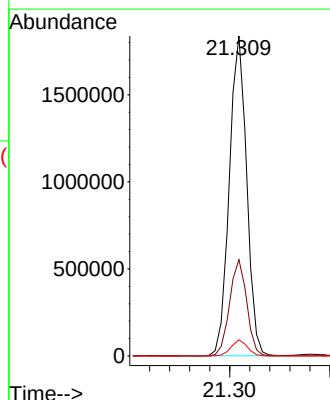
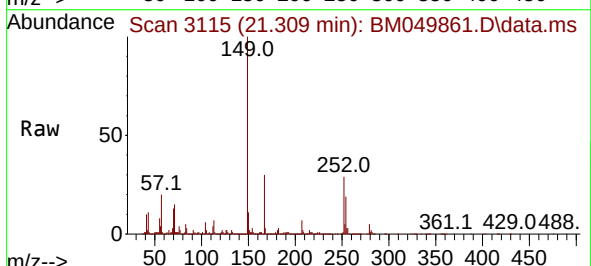
Tgt Ion:149 Resp: 2204910

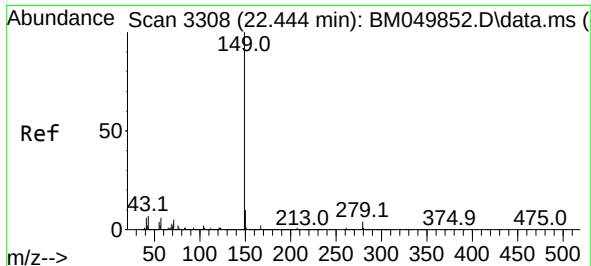
Ion Ratio Lower Upper

149 100

167 30.1 23.8 35.6

279 5.1 3.8 5.8

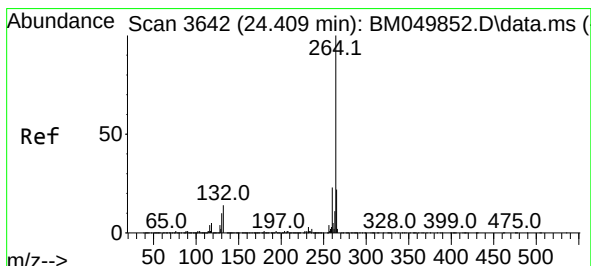
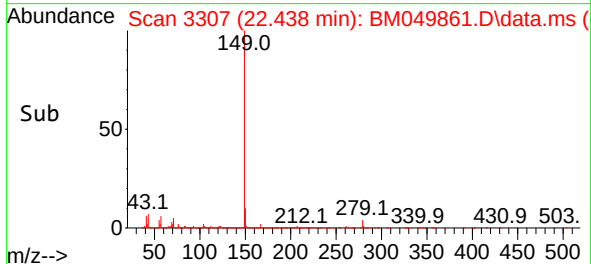
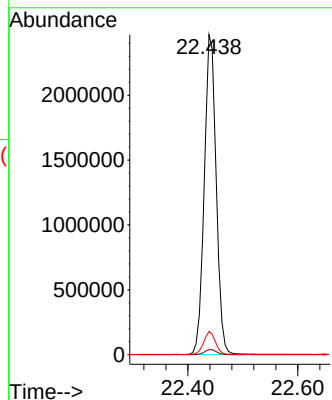
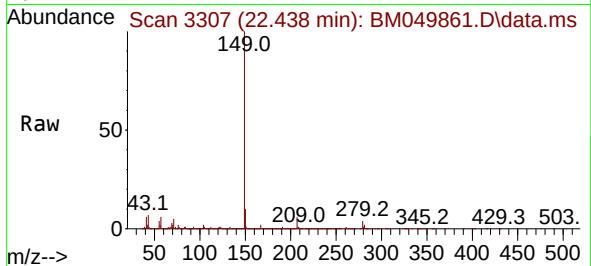




#85
Di-n-octyl phthalate
Concen: 40.036 ng
RT: 22.438 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

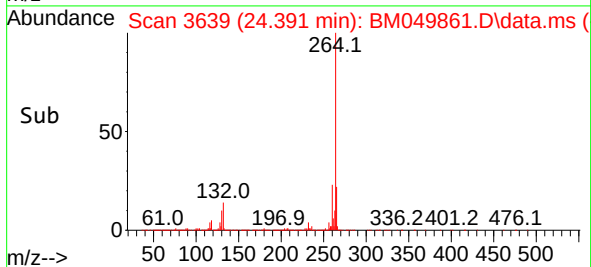
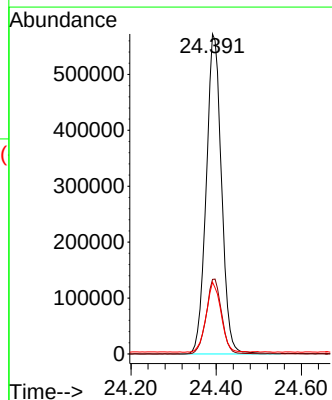
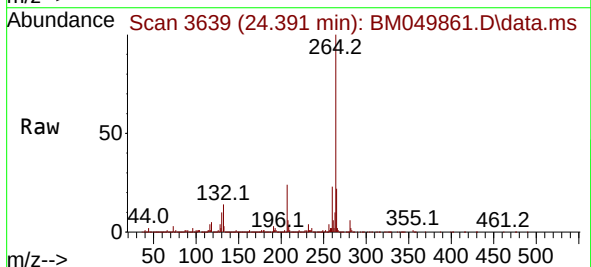
Instrument :
BNA_M
ClientSampleId :
PB167521BS

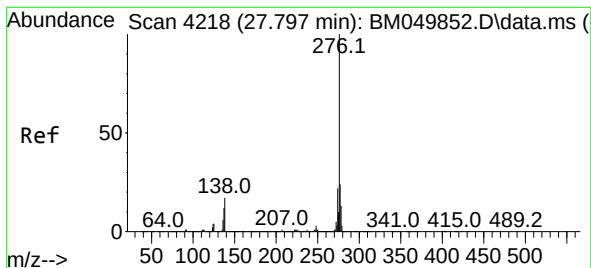
Tgt Ion:149 Resp: 3700122
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 7.1 5.8 8.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.391 min Scan# 3639
Delta R.T. -0.018 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:264 Resp: 1421398
Ion Ratio Lower Upper
264 100
260 23.3 18.6 28.0
265 22.5 17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 44.488 ng

RT: 27.779 min Scan# 41

Delta R.T. -0.018 min

Lab File: BM049861.D

Acq: 09 Apr 2025 10:27

Instrument :

BNA_M

ClientSampleId :

PB167521BS

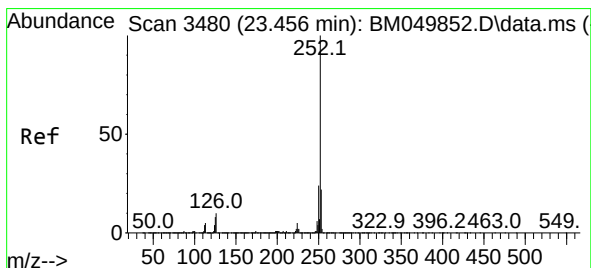
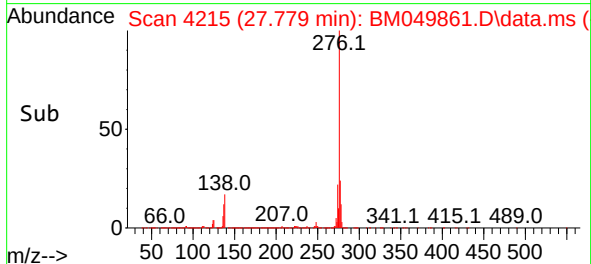
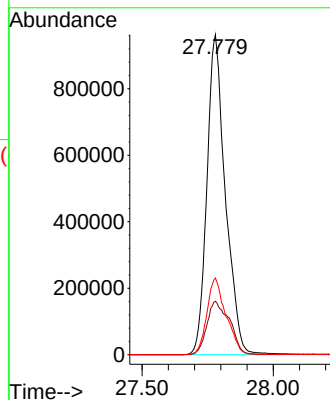
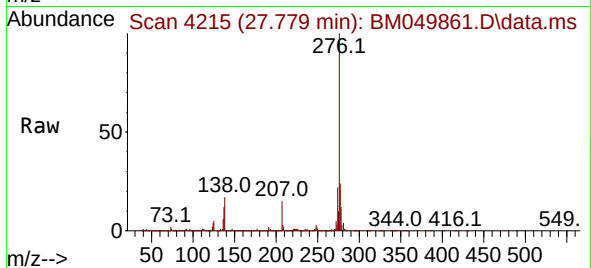
Tgt Ion:276 Resp: 4713585

Ion Ratio Lower Upper

276 100

138 20.5 16.8 25.2

277 24.8 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 41.900 ng

RT: 23.450 min Scan# 3479

Delta R.T. -0.006 min

Lab File: BM049861.D

Acq: 09 Apr 2025 10:27

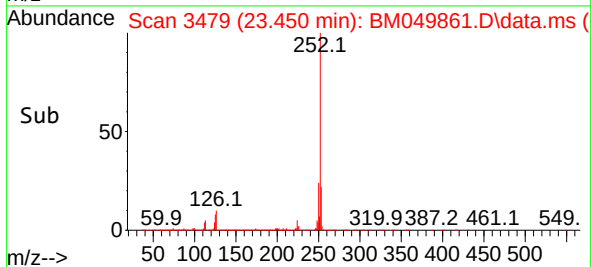
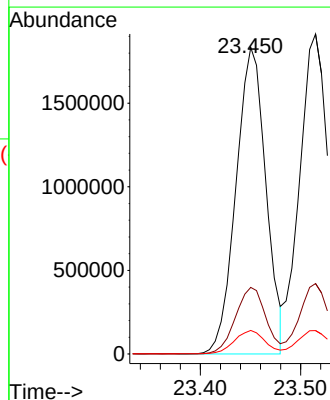
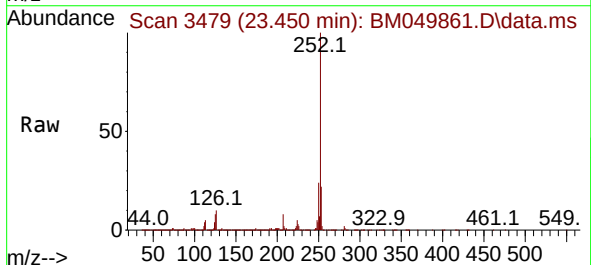
Tgt Ion:252 Resp: 3803665

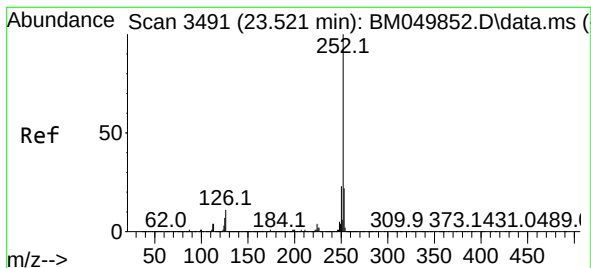
Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

125 7.7 6.2 9.4





#89

Benzo(k)fluoranthene

Concen: 44.504 ng

RT: 23.515 min Scan# 34

Delta R.T. -0.006 min

Lab File: BM049861.D

Acq: 09 Apr 2025 10:27

Instrument :

BNA_M

ClientSampleId :

PB167521BS

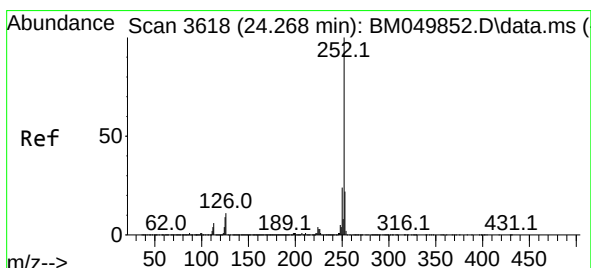
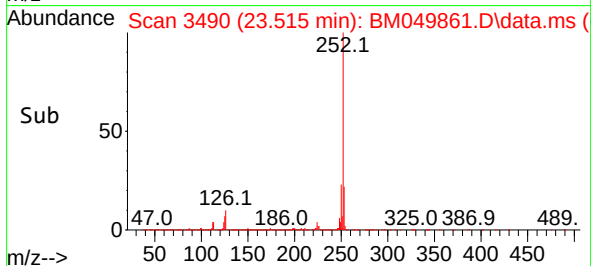
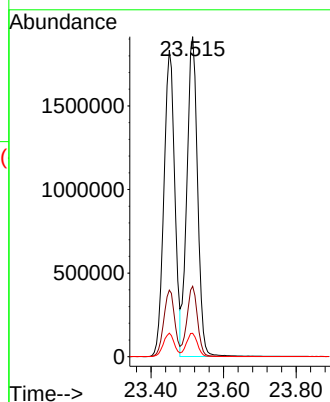
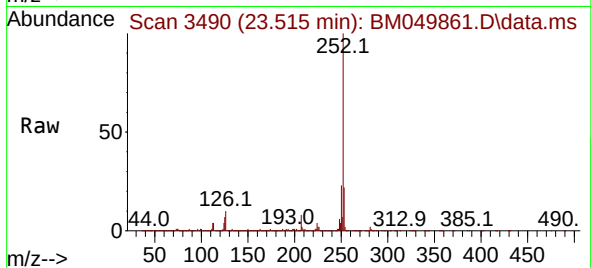
Tgt Ion:252 Resp: 3915062

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

125 7.3 5.8 8.8



#90

Benzo(a)pyrene

Concen: 46.391 ng

RT: 24.256 min Scan# 3616

Delta R.T. -0.012 min

Lab File: BM049861.D

Acq: 09 Apr 2025 10:27

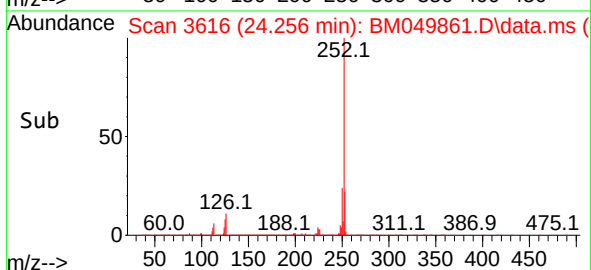
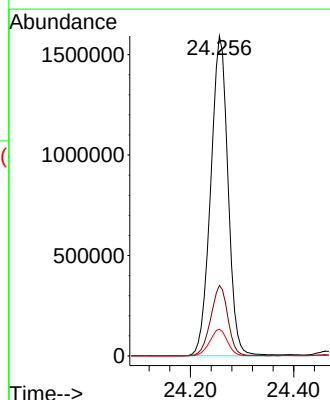
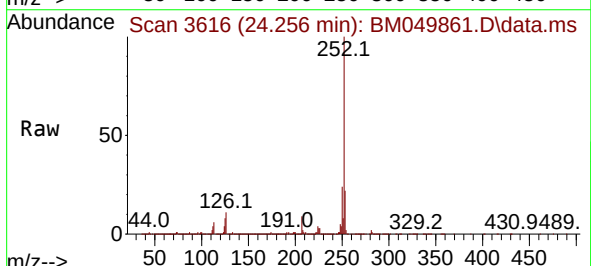
Tgt Ion:252 Resp: 3700670

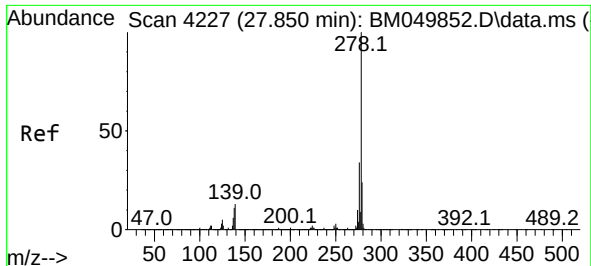
Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

125 8.4 7.0 10.4

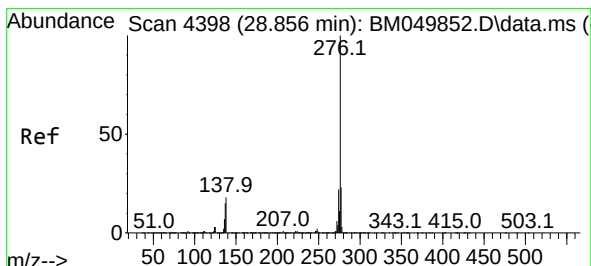
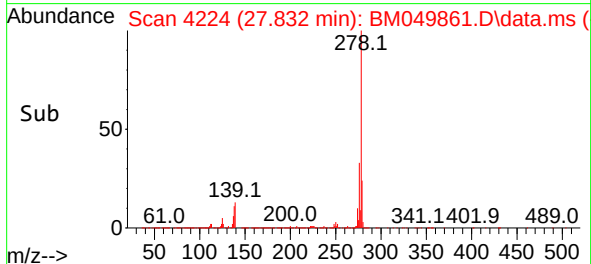
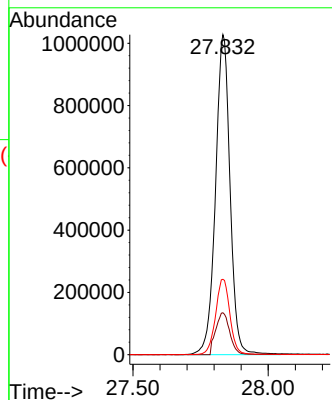
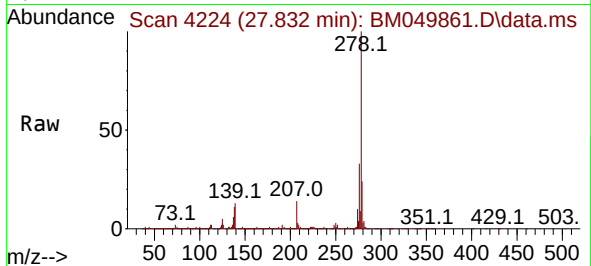




#91
Dibenzo(a,h)anthracene
Concen: 44.011 ng
RT: 27.832 min Scan# 41
Delta R.T. -0.018 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion:278 Resp: 3840955
Ion Ratio Lower Upper
278 100
139 13.1 10.6 15.8
279 23.6 19.1 28.7



#92
Benzo(g,h,i)perylene
Concen: 42.349 ng
RT: 28.832 min Scan# 4394
Delta R.T. -0.024 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:276 Resp: 3776735
Ion Ratio Lower Upper
276 100
277 23.8 18.7 28.1
138 17.9 14.6 21.8

