

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
 Data File : BM050102.D
 Acq On : 05 May 2025 17:00
 Operator : RC/JU
 Sample : Q1937-05MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LARGE-PILE-CMSD

Quant Time: May 05 17:35:33 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	294539	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	1047794	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	677703	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	1314656	20.000	ng	-0.02
76) Chrysene-d12	21.386	240	1271557	20.000	ng	-0.01
86) Perylene-d12	24.380	264	1236921	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.345	112	1258150	74.799	ng	-0.01
7) Phenol-d6	6.934	99	1611640	76.232	ng	-0.02
23) Nitrobenzene-d5	8.904	82	935080	43.976	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	752609	75.105	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	2446445	42.705	ng	-0.02
79) Terphenyl-d14	19.768	244	4042956	47.049	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.234	88	258001	35.773	ng	100
3) Pyridine	3.634	79	711239	38.382	ng	97
4) n-Nitrosodimethylamine	3.546	42	296997	40.865	ng	98
6) Aniline	7.075	93	697712	26.136	ng	99
8) 2-Chlorophenol	7.316	128	805620	44.297	ng	98
9) Benzaldehyde	6.892	77	341030	24.105	ng	98
10) Phenol	6.963	94	965281	45.102	ng	97
11) bis(2-Chloroethyl)ether	7.169	93	735486	41.155	ng	99
12) 1,3-Dichlorobenzene	7.634	146	912580	41.540	ng	99
13) 1,4-Dichlorobenzene	7.781	146	915309	41.472	ng	100
14) 1,2-Dichlorobenzene	8.098	146	879324	41.246	ng	99
15) Benzyl Alcohol	7.992	79	638864	43.575	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.269	45	881946	40.599	ng	99
17) 2-Methylphenol	8.204	107	625568	44.369	ng	98
18) Hexachloroethane	8.822	117	317394	40.455	ng	99
19) n-Nitroso-di-n-propyla...	8.557	70	546426	40.300	ng	99
20) 3+4-Methylphenols	8.534	107	845283	44.395	ng	95
22) Acetophenone	8.569	105	1094380	42.011	ng	# 98
24) Nitrobenzene	8.945	77	782189	42.543	ng	99
25) Isophorone	9.475	82	1496619	41.291	ng	99
26) 2-Nitrophenol	9.657	139	431575	45.947	ng	99
27) 2,4-Dimethylphenol	9.728	122	704725	45.242	ng	99
28) bis(2-Chloroethoxy)met...	9.951	93	945958	42.225	ng	100
29) 2,4-Dichlorophenol	10.210	162	803843	46.064	ng	99
30) 1,2,4-Trichlorobenzene	10.404	180	909008	42.755	ng	100
31) Naphthalene	10.586	128	2245700	42.321	ng	100
32) Benzoic acid	9.916	122	485833	48.767	ng	97
33) 4-Chloroaniline	10.710	127	411943	18.940	ng	99
34) Hexachlorobutadiene	10.869	225	576823	42.741	ng	100
35) Caprolactam	11.510	113	220808	43.397	ng	98
36) 4-Chloro-3-methylphenol	11.851	107	707311	43.872	ng	99
37) 2-Methylnaphthalene	12.204	142	1492444	41.951	ng	100
38) 1-Methylnaphthalene	12.427	142	1561032	41.462	ng	99
40) 1,2,4,5-Tetrachloroben...	12.580	216	1041214	44.382	ng	99
41) Hexachlorocyclopentadiene	12.557	237	1211458	84.498	ng	99
43) 2,4,6-Trichlorophenol	12.833	196	688174	46.248	ng	98

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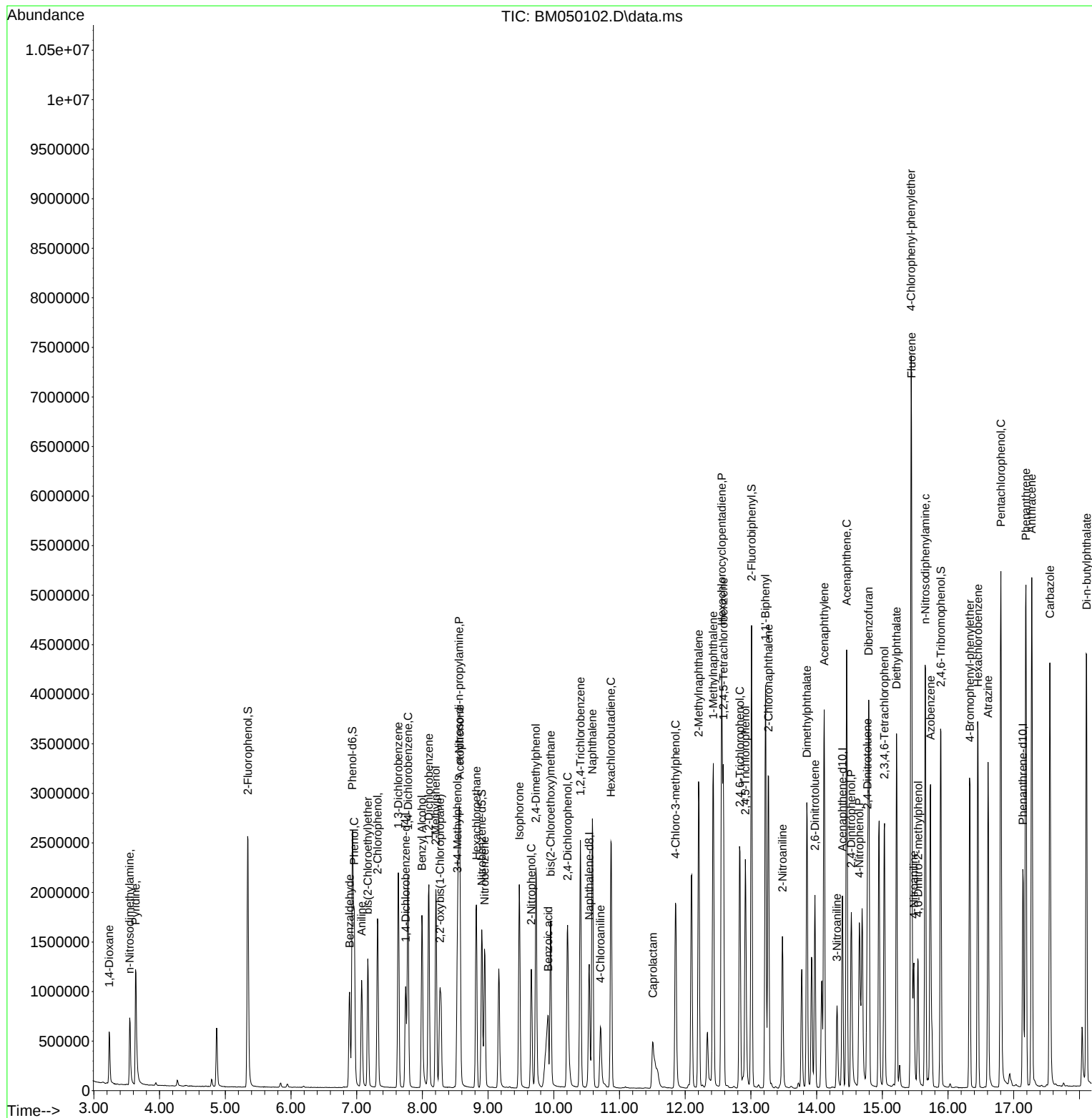
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.916	196	735097	45.812	ng	97
46) 1,1'-Biphenyl	13.221	154	2171525	43.105	ng	99
47) 2-Chloronaphthalene	13.268	162	1733055	43.436	ng	99
48) 2-Nitroaniline	13.480	65	426754	45.573	ng	100
49) Acenaphthylene	14.115	152	2706657	43.026	ng	100
50) Dimethylphthalate	13.851	163	2096886	42.338	ng	99
51) 2,6-Dinitrotoluene	13.974	165	453604	44.235	ng	98
52) Acenaphthene	14.457	154	1550487	42.580	ng	99
53) 3-Nitroaniline	14.310	138	253994	25.944	ng	99
54) 2,4-Dinitrophenol	14.527	184	548918	83.383	ng	99
55) Dibenzofuran	14.792	168	2564349	42.327	ng	99
56) 4-Nitrophenol	14.651	139	716138	89.353	ng	98
57) 2,4-Dinitrotoluene	14.774	165	638601	45.069	ng	96
58) Fluorene	15.445	166	2115905	42.668	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.033	232	625034	45.001	ng	97
60) Diethylphthalate	15.215	149	1939860	41.567	ng	99
61) 4-Chlorophenyl-phenyle...	15.439	204	1169405	42.934	ng	98
62) 4-Nitroaniline	15.480	138	418189	44.274	ng	99
63) Azobenzene	15.733	77	1786138	45.668	ng	96
65) 4,6-Dinitro-2-methylph...	15.545	198	358709	43.589	ng	96
66) n-Nitrosodiphenylamine	15.657	169	1772627	43.910	ng	99
67) 4-Bromophenyl-phenylether	16.333	248	700350	44.053	ng	96
68) Hexachlorobenzene	16.457	284	812209	44.321	ng	95
69) Atrazine	16.609	200	643224	44.172	ng	100
70) Pentachlorophenol	16.804	266	1057643	102.532	ng	99
71) Phenanthrene	17.186	178	3210759	43.302	ng	100
72) Anthracene	17.274	178	3263741	43.495	ng	100
73) Carbazole	17.551	167	2903966	44.599	ng	100
74) Di-n-butylphthalate	18.109	149	3348299	43.180	ng	99
75) Fluoranthene	19.203	202	3918338	45.010	ng	99
77) Benzidine	19.392	184	2093846	46.358	ng	100
78) Pyrene	19.568	202	3997921	44.773	ng	100
80) Butylbenzylphthalate	20.462	149	1481929	44.311	ng	98
81) Benzo(a)anthracene	21.368	228	3830639	43.747	ng	99
82) 3,3'-Dichlorobenzidine	21.291	252	856060	25.539	ng	100
83) Chrysene	21.427	228	3498440	43.169	ng	99
84) Bis(2-ethylhexyl)phtha...	21.280	149	2129576	42.631	ng	100
85) Di-n-octyl phthalate	22.409	149	3500630	42.493	ng	100
87) Indeno(1,2,3-cd)pyrene	27.768	276	4193498	45.499	ng	99
88) Benzo(b)fluoranthene	23.433	252	3534464	43.939	ng	100
89) Benzo(k)fluoranthene	23.497	252	3550274	43.632	ng	99
90) Benzo(a)pyrene	24.238	252	3356901	44.556	ng	99
91) Dibenzo(a,h)anthracene	27.809	278	3426344	45.605	ng	99
92) Benzo(g,h,i)perylene	28.815	276	3212498	44.663	ng	100

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

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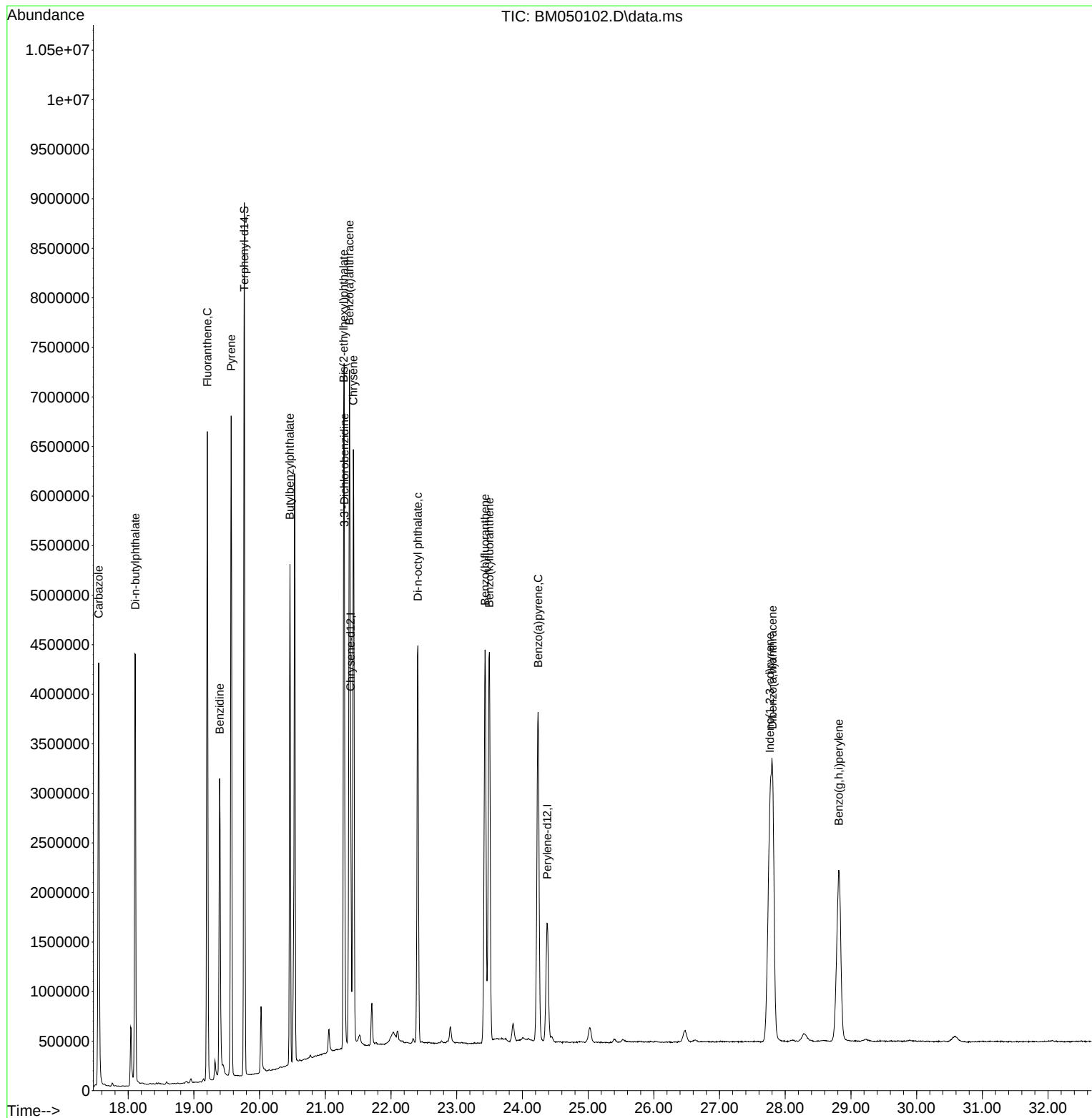
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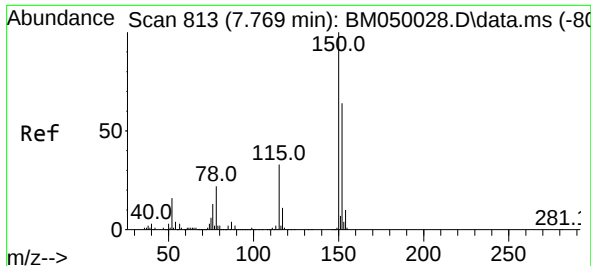


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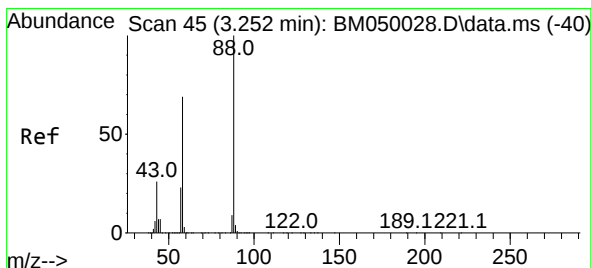
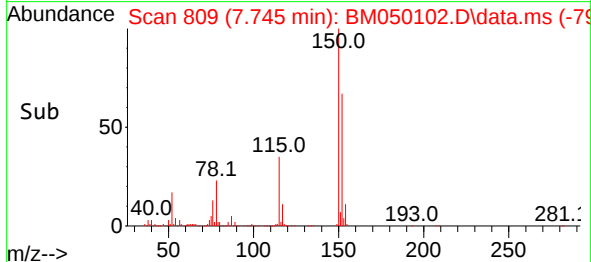
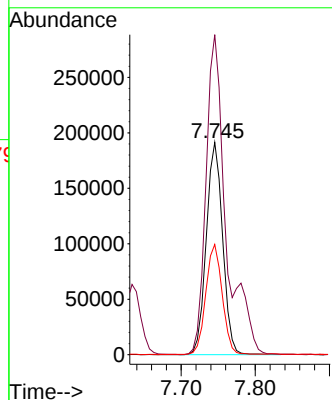
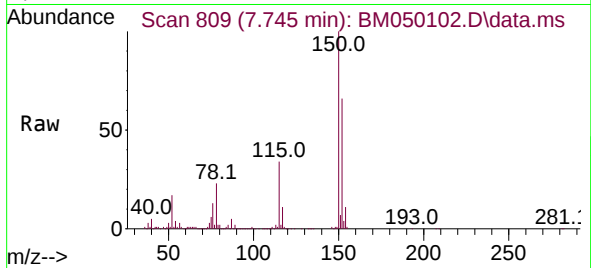




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 80
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

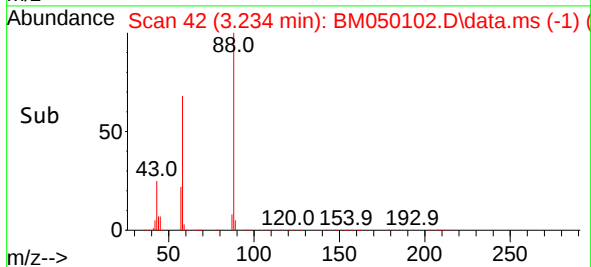
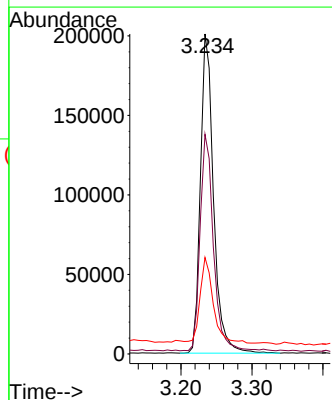
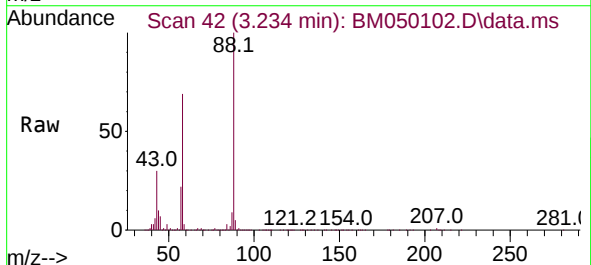
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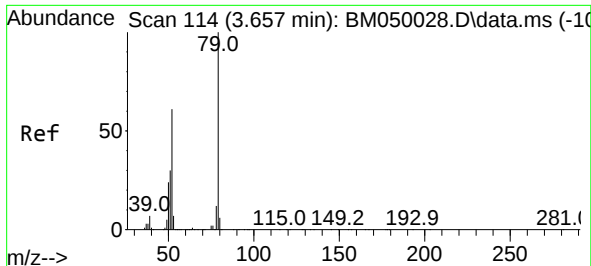
Tgt Ion:152 Resp: 294539
Ion Ratio Lower Upper
152 100
150 150.7 124.1 186.1
115 51.9 41.2 61.8



#2
1,4-Dioxane
Concen: 35.773 ng
RT: 3.234 min Scan# 42
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion: 88 Resp: 258001
Ion Ratio Lower Upper
88 100
58 68.9 55.1 82.7
43 26.8 20.9 31.3

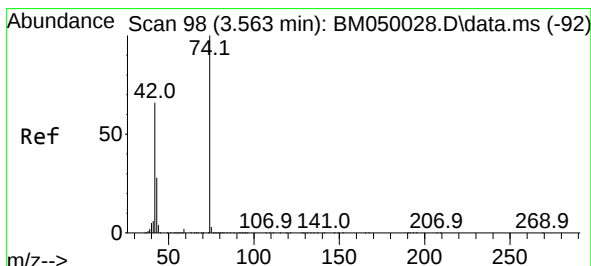
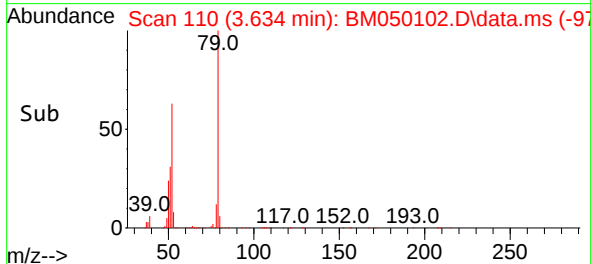
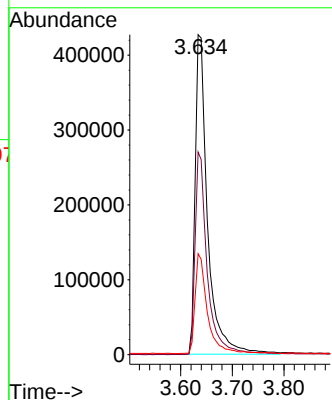
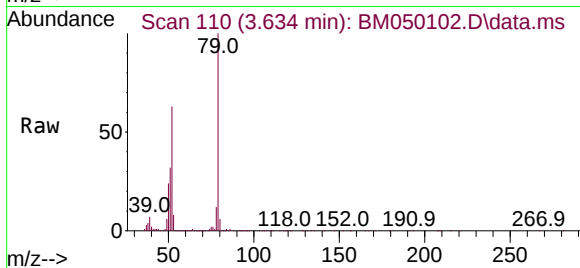




#3
Pyridine
Concen: 38.382 ng
RT: 3.634 min Scan# 114
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

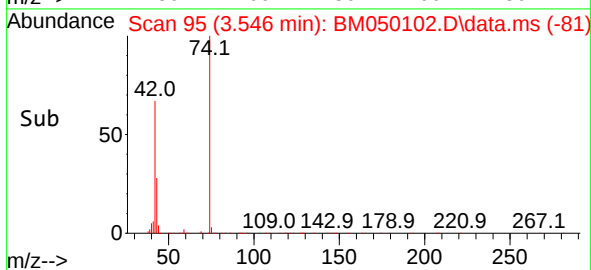
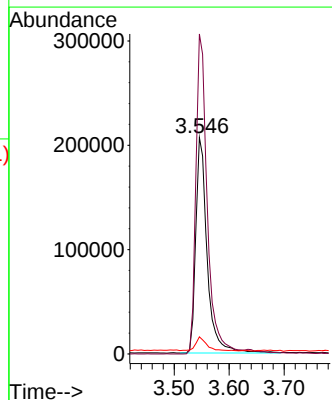
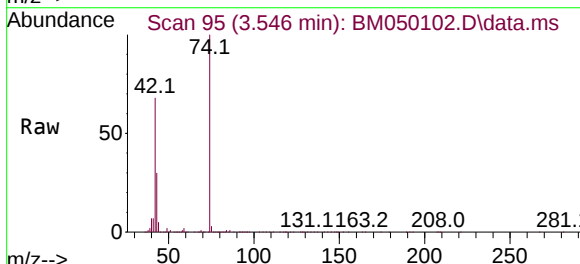
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ClientSampleId :
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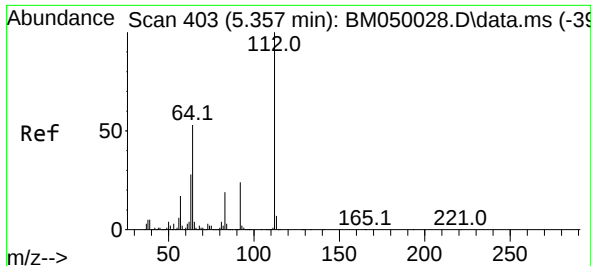
Tgt Ion: 79 Resp: 711239
Ion Ratio Lower Upper
79 100
52 63.3 48.6 72.8
51 31.6 24.6 37.0



#4
n-Nitrosodimethylamine
Concen: 40.865 ng
RT: 3.546 min Scan# 95
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion: 42 Resp: 296997
Ion Ratio Lower Upper
42 100
74 147.8 120.2 180.2
44 7.9 6.2 9.2

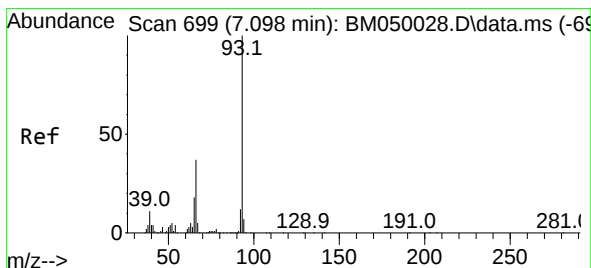
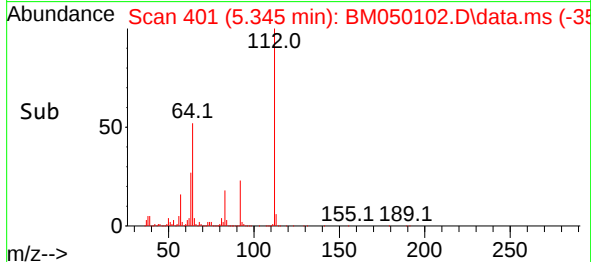
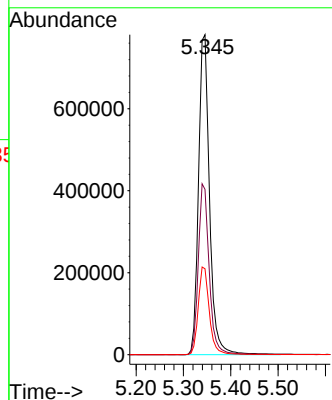
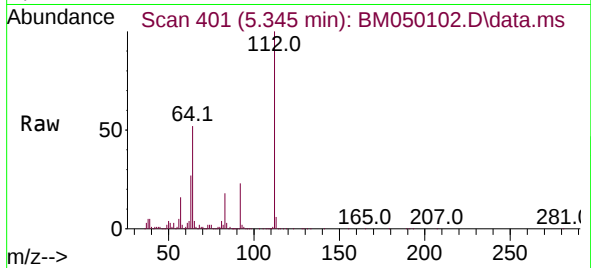




#5
2-Fluorophenol
Concen: 74.799 ng
RT: 5.345 min Scan# 403
Delta R.T. -0.012 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

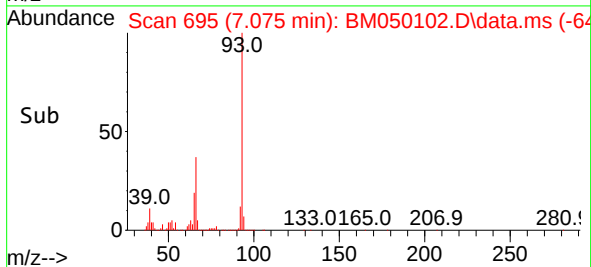
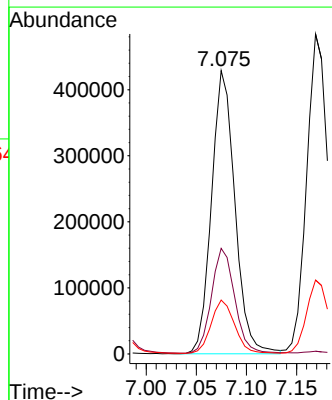
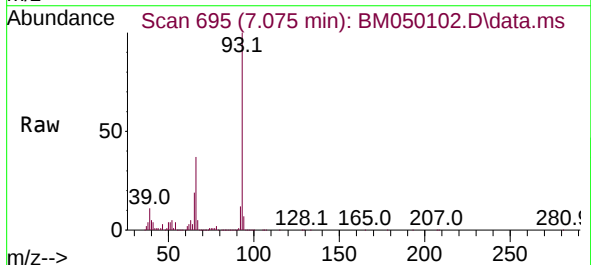
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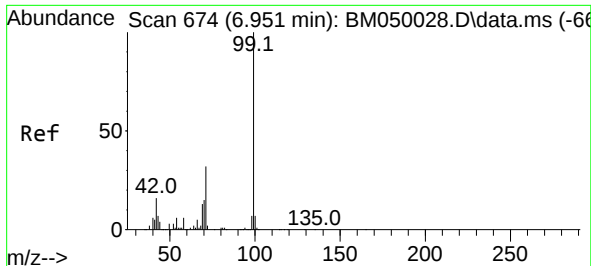
Tgt Ion:112 Resp: 1258150
Ion Ratio Lower Upper
112 100
64 51.6 42.6 64.0
63 26.9 22.2 33.4



#6
Aniline
Concen: 26.136 ng
RT: 7.075 min Scan# 695
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion: 93 Resp: 697712
Ion Ratio Lower Upper
93 100
66 37.3 29.9 44.9
65 19.0 14.5 21.7

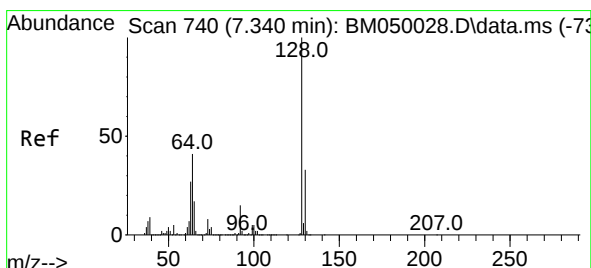
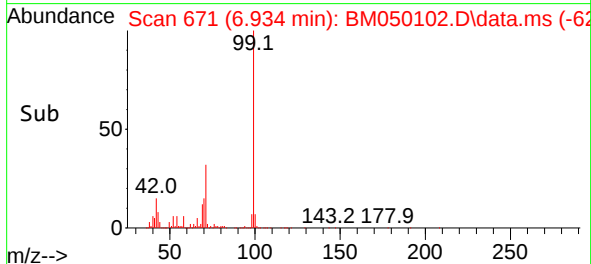
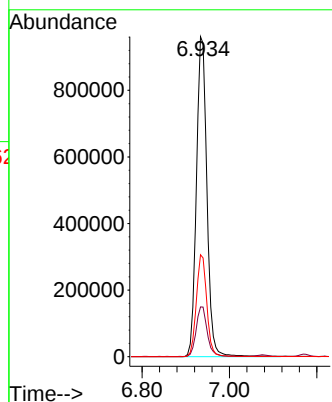
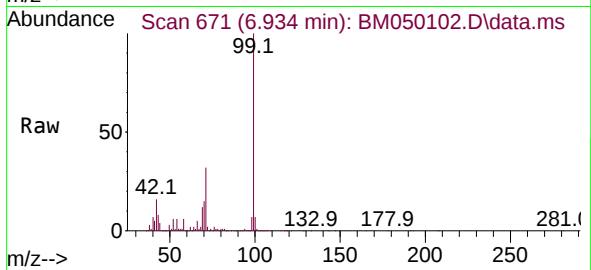




#7
Phenol-d6
Concen: 76.232 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

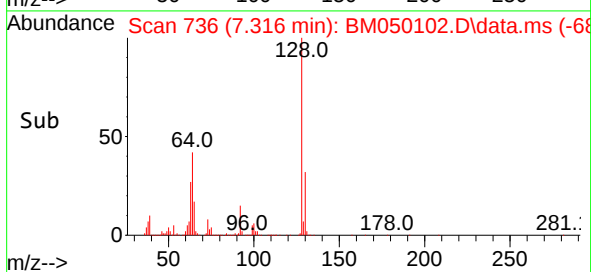
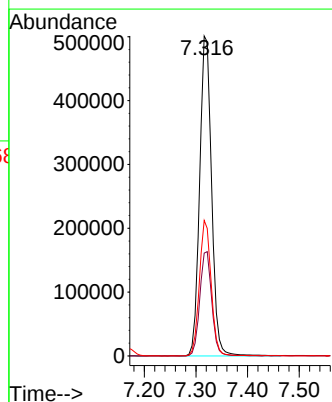
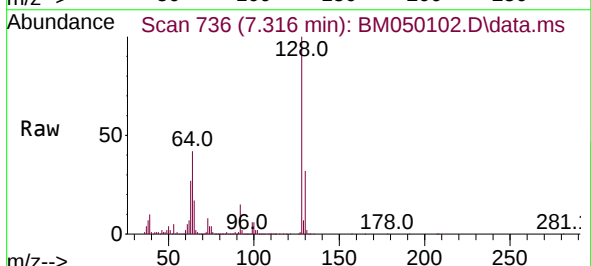
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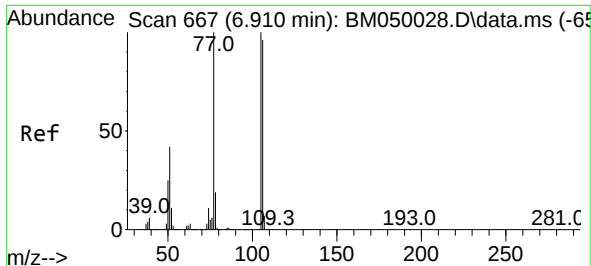
Tgt Ion: 99 Resp: 1611640
Ion Ratio Lower Upper
99 100
42 15.5 13.0 19.4
71 31.8 25.6 38.4



#8
2-Chlorophenol
Concen: 44.297 ng
RT: 7.316 min Scan# 736
Delta R.T. -0.024 min
Lab File: BM050102.D
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Tgt Ion: 128 Resp: 805620
Ion Ratio Lower Upper
128 100
130 32.2 12.8 52.8
64 42.3 21.2 61.2

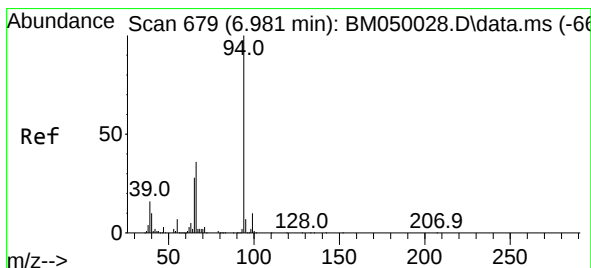
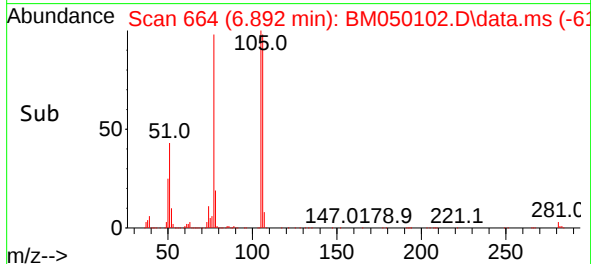
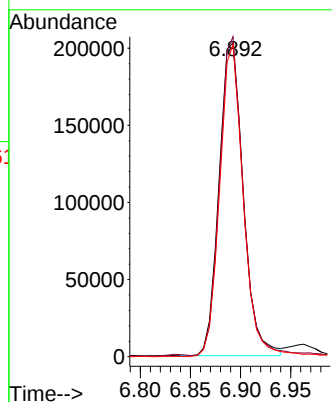
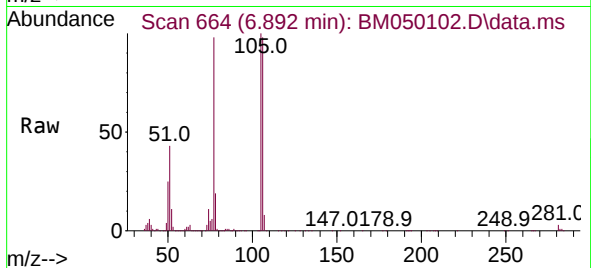




#9
Benzaldehyde
Concen: 24.105 ng
RT: 6.892 min Scan# 664
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

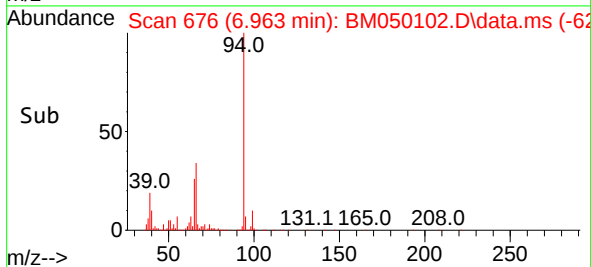
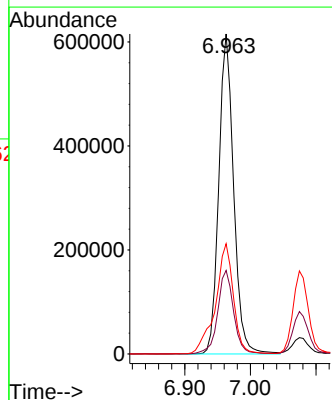
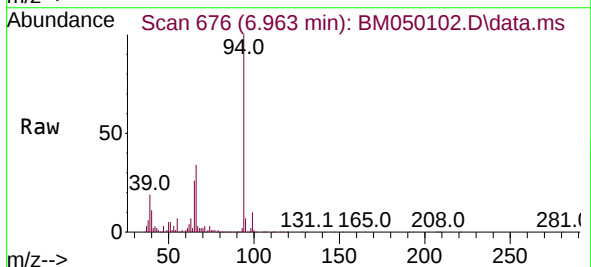
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

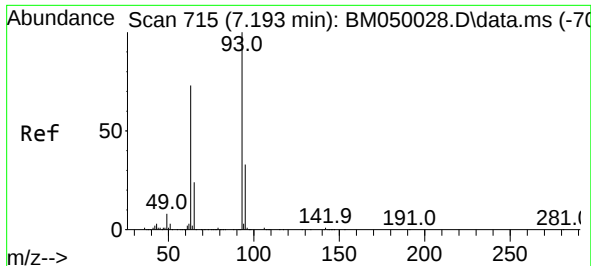
Tgt Ion: 77 Resp: 341030
Ion Ratio Lower Upper
77 100
105 102.0 80.5 120.5
106 99.6 76.1 116.1



#10
Phenol
Concen: 45.102 ng
RT: 6.963 min Scan# 676
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion: 94 Resp: 965281
Ion Ratio Lower Upper
94 100
65 26.1 7.6 47.6
66 34.5 15.8 55.8

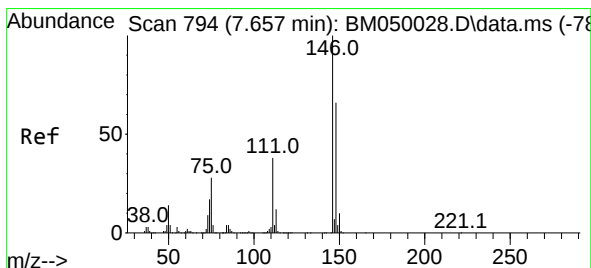
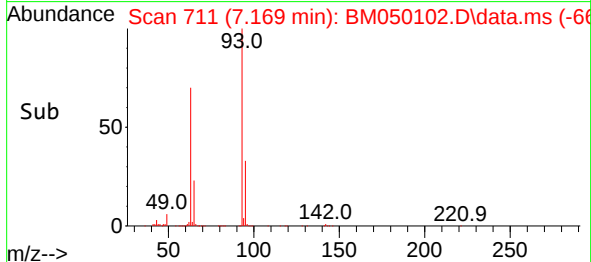
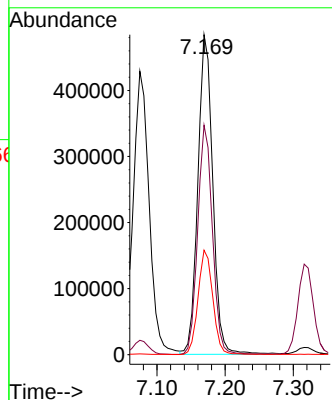
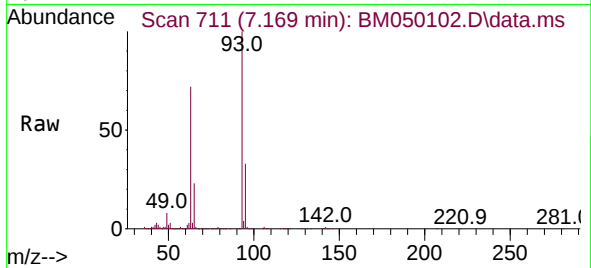




#11
bis(2-Chloroethyl)ether
Concen: 41.155 ng
RT: 7.169 min Scan# 715
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

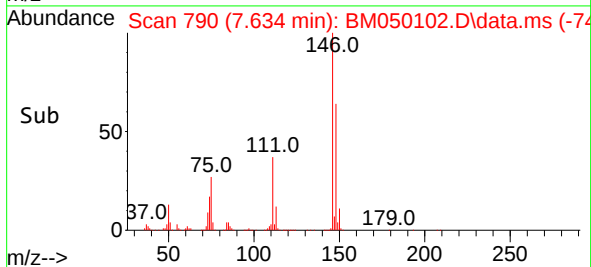
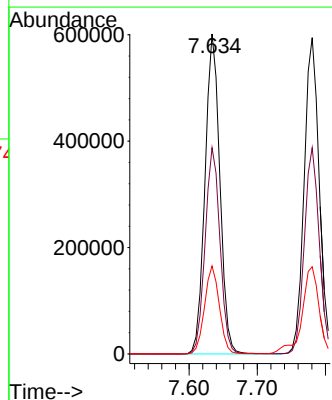
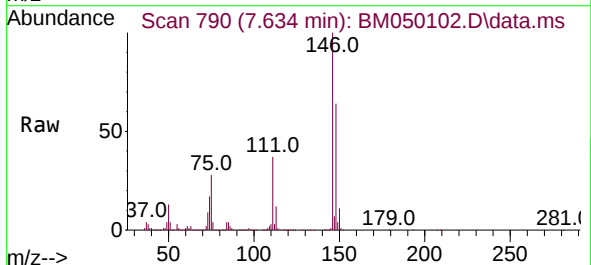
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BNA_M
ClientSampleId :
LARGE-PILE-CMSD

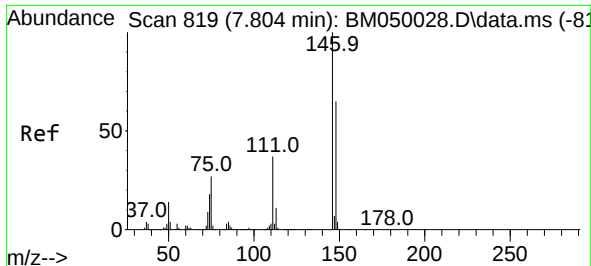
Tgt Ion: 93 Resp: 735486
Ion Ratio Lower Upper
93 100
63 71.7 52.3 92.3
95 32.7 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 41.540 ng
RT: 7.634 min Scan# 790
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:146 Resp: 912580
Ion Ratio Lower Upper
146 100
148 64.5 52.5 78.7
75 27.5 22.6 34.0

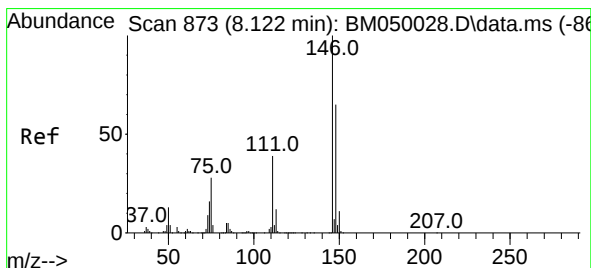
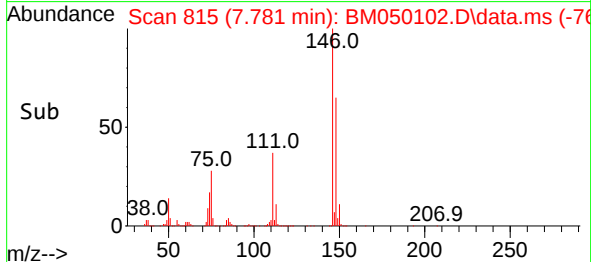
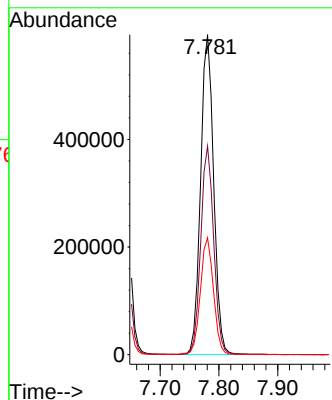
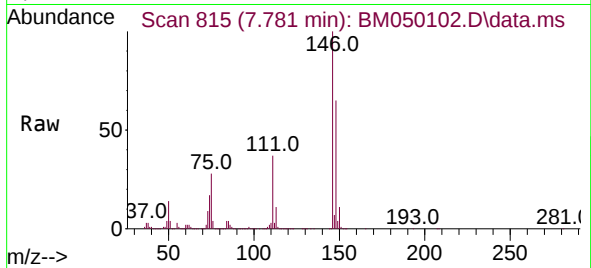




#13
1,4-Dichlorobenzene
Concen: 41.472 ng
RT: 7.781 min Scan# 815
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

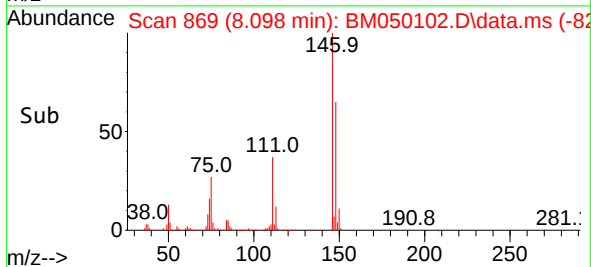
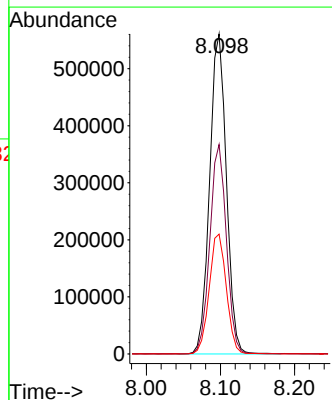
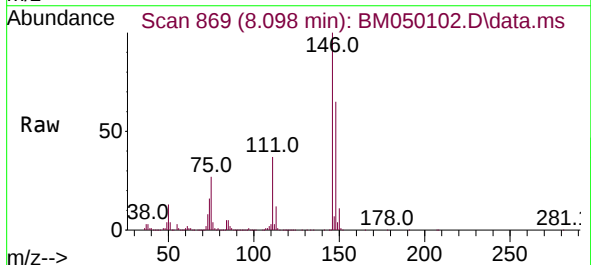
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

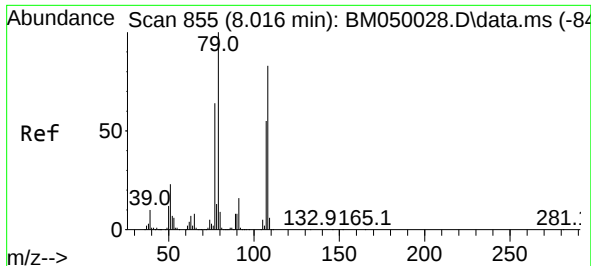
Tgt Ion:146 Resp: 915309
Ion Ratio Lower Upper
146 100
148 65.2 52.2 78.2
111 36.5 29.3 43.9



#14
1,2-Dichlorobenzene
Concen: 41.246 ng
RT: 8.098 min Scan# 869
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:146 Resp: 879324
Ion Ratio Lower Upper
146 100
148 65.5 52.4 78.6
111 37.5 31.0 46.6

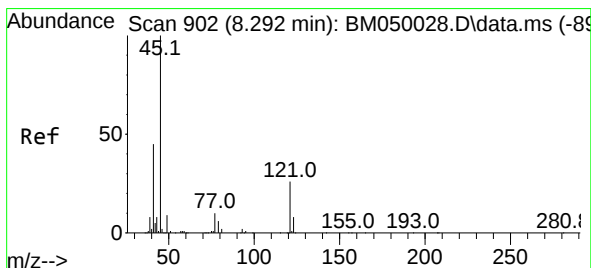
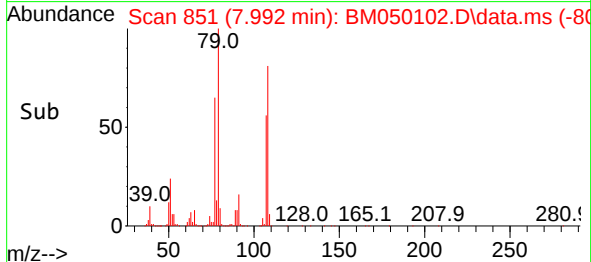
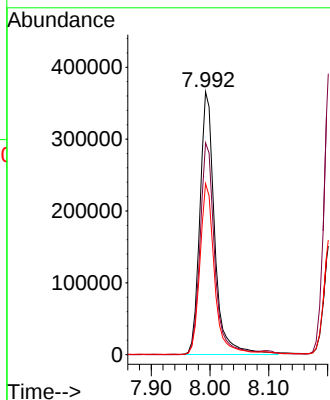
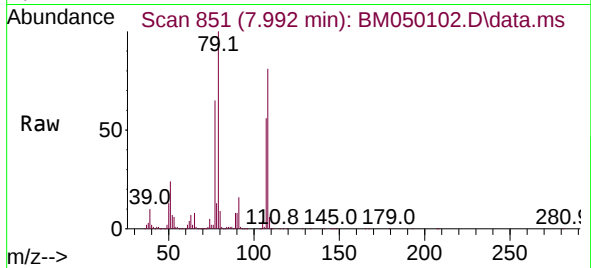




#15
Benzyl Alcohol
Concen: 43.575 ng
RT: 7.992 min Scan# 851
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

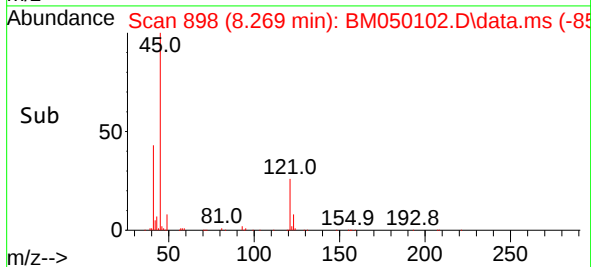
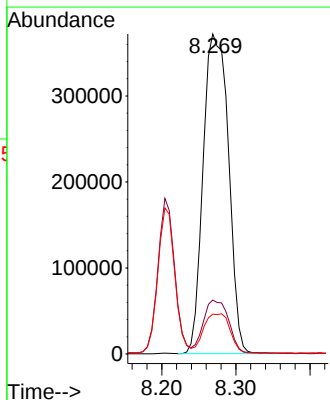
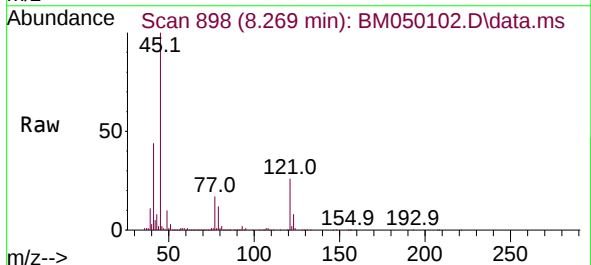
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

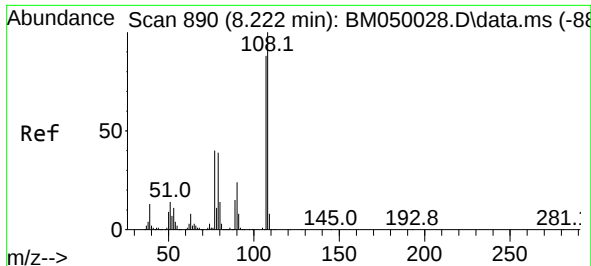
Tgt Ion: 79 Resp: 638864
Ion Ratio Lower Upper
79 100
108 80.6 66.0 99.0
77 65.0 51.6 77.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.599 ng
RT: 8.269 min Scan# 898
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion: 45 Resp: 881946
Ion Ratio Lower Upper
45 100
77 16.8 0.0 36.4
79 12.4 0.0 32.7

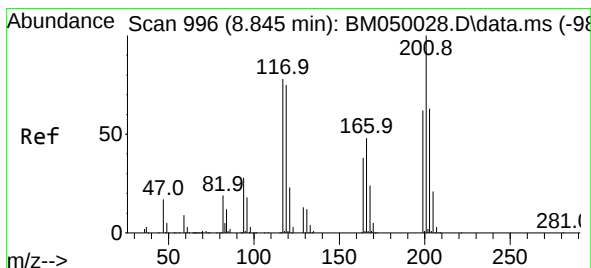
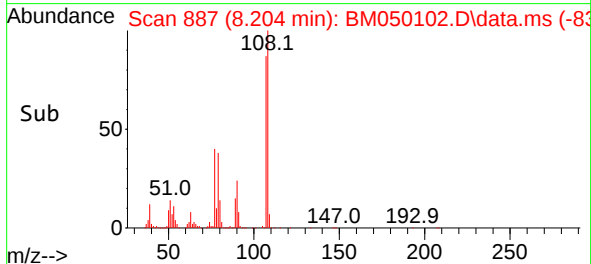
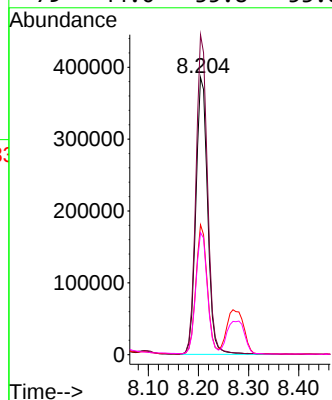
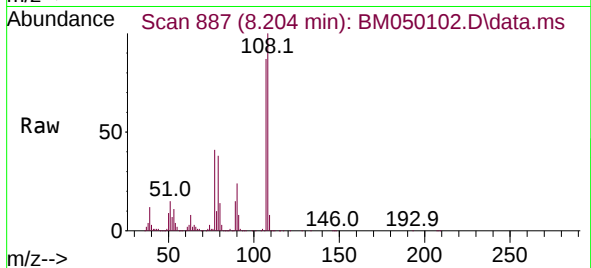




#17
2-Methylphenol
Concen: 44.369 ng
RT: 8.204 min Scan# 81
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

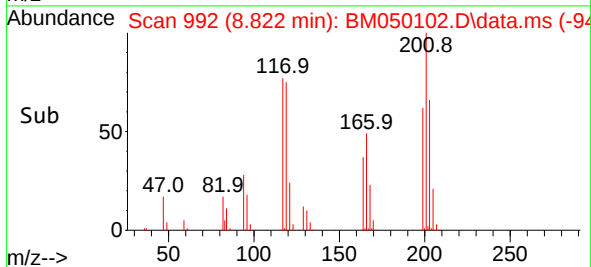
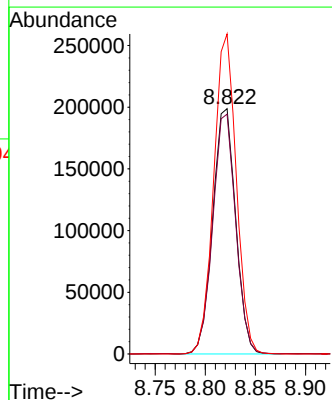
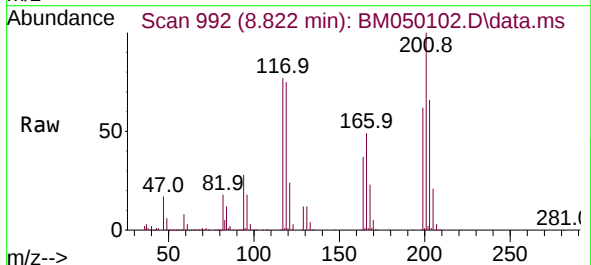
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

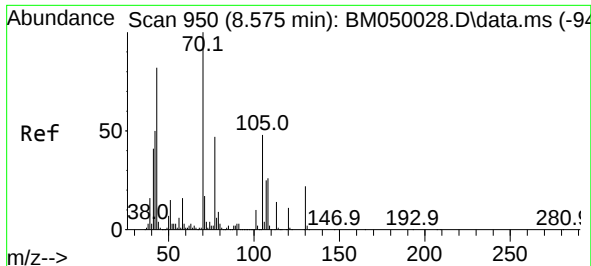
Tgt Ion:	107	Resp:	625568
Ion	Ratio	Lower	Upper
107	100		
108	115.4	91.1	136.7
77	46.9	36.2	54.4
79	44.0	35.8	53.8



#18
Hexachloroethane
Concen: 40.455 ng
RT: 8.822 min Scan# 992
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:	117	Resp:	317394
Ion	Ratio	Lower	Upper
117	100		
119	97.7	77.3	115.9
201	130.4	102.8	154.2





#19

n-Nitroso-di-n-propylamine

Concen: 40.300 ng

RT: 8.557 min Scan# 947

Delta R.T. -0.018 min

Lab File: BM050102.D

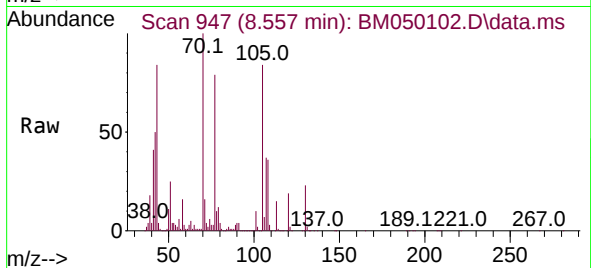
Acq: 05 May 2025 17:00

Instrument :

BNA_M

ClientSampleId :

LARGE-PILE-CMSD



Tgt Ion: 70 Resp: 546426

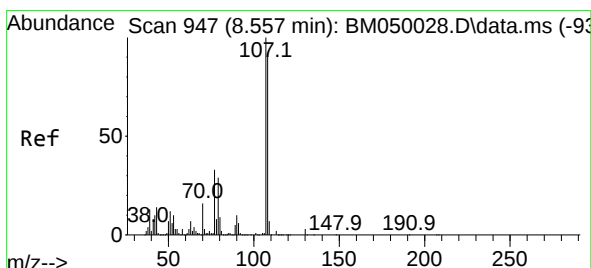
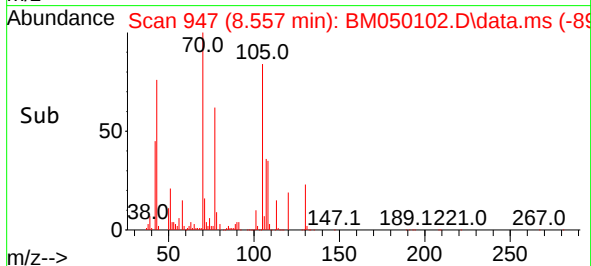
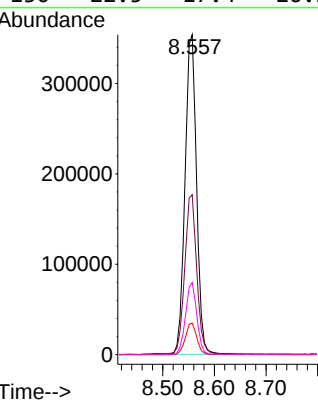
Ion Ratio Lower Upper

70 100

42 50.0 40.5 60.7

101 9.8 7.8 11.6

130 22.5 17.4 26.2



#20

3+4-Methylphenols

Concen: 44.395 ng

RT: 8.534 min Scan# 943

Delta R.T. -0.024 min

Lab File: BM050102.D

Acq: 05 May 2025 17:00

Tgt Ion: 107 Resp: 845283

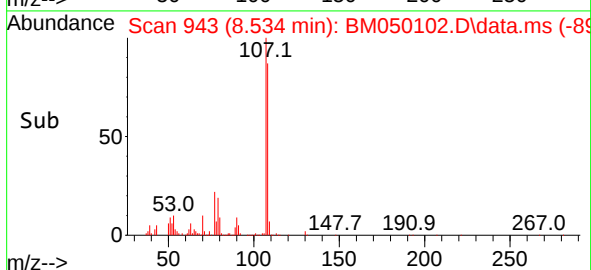
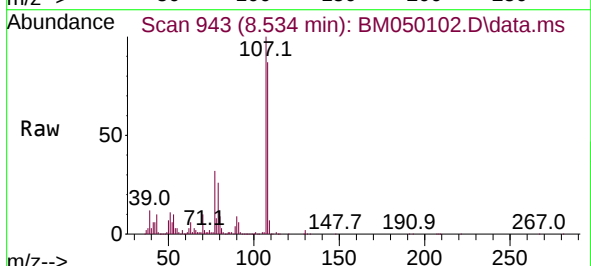
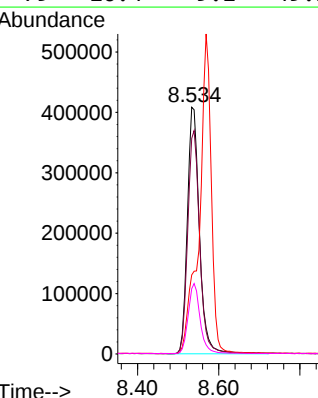
Ion Ratio Lower Upper

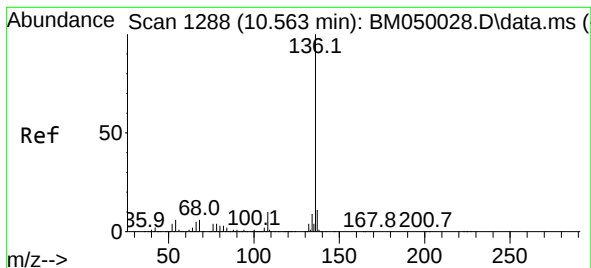
107 100

108 87.4 72.4 112.4

77 32.0 13.6 53.6

79 26.4 9.2 49.2

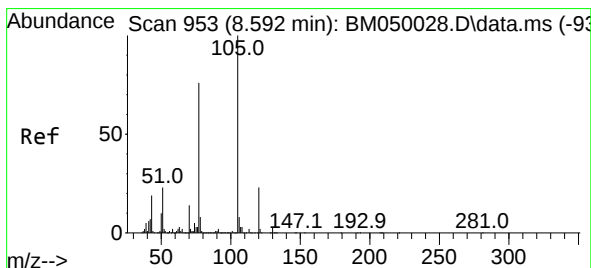
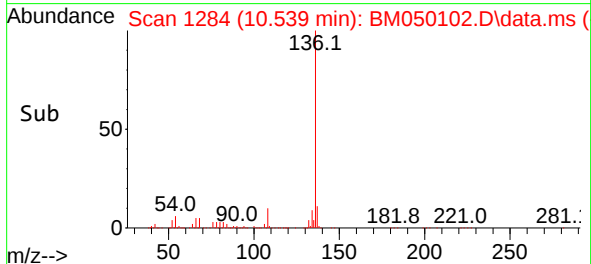
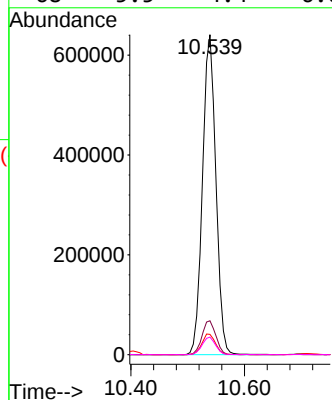
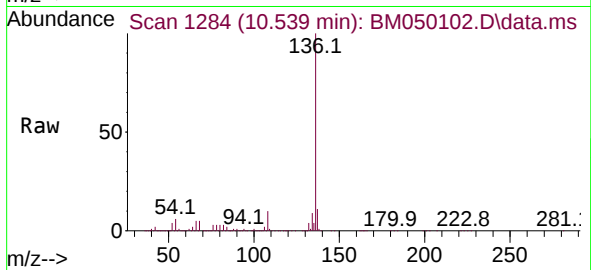




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 11
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

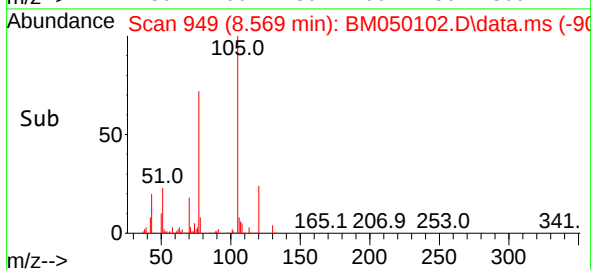
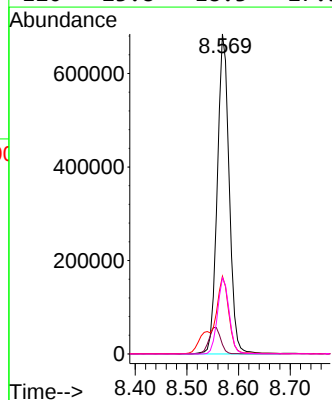
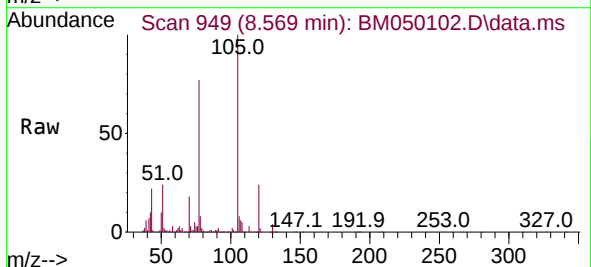
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

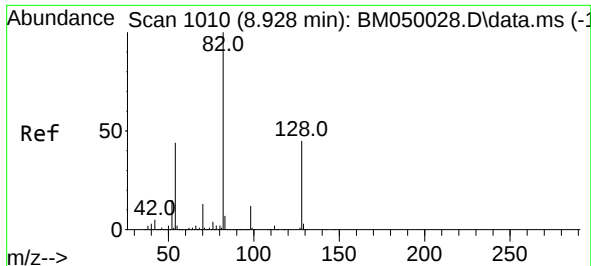
Tgt Ion:136 Resp: 1047794
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 6.3 5.1 7.7
68 5.5 4.4 6.6



#22
Acetophenone
Concen: 42.011 ng
RT: 8.569 min Scan# 949
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:105 Resp: 1094380
Ion Ratio Lower Upper
105 100
71 2.9 1.7 2.5#
51 24.3 18.6 27.8
120 23.8 18.3 27.5

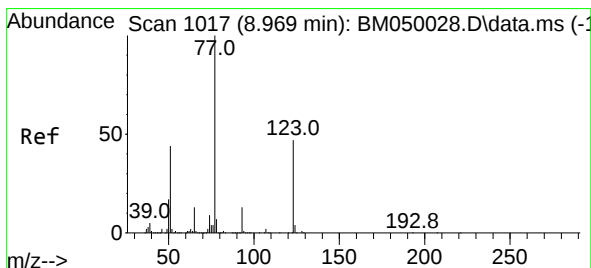
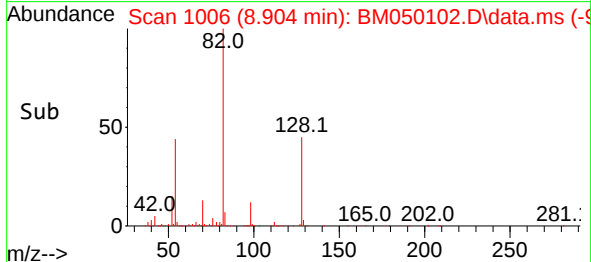
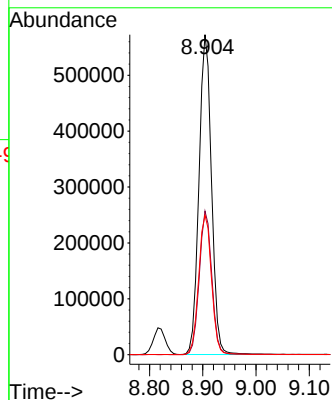
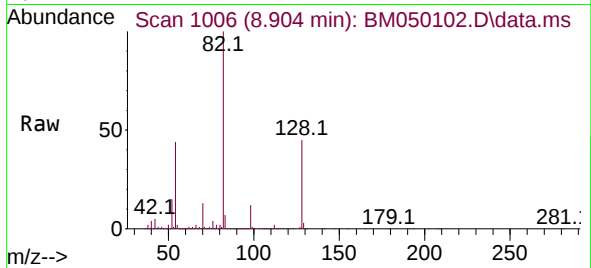




#23
Nitrobenzene-d5
Concen: 43.976 ng
RT: 8.904 min Scan# 1006
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

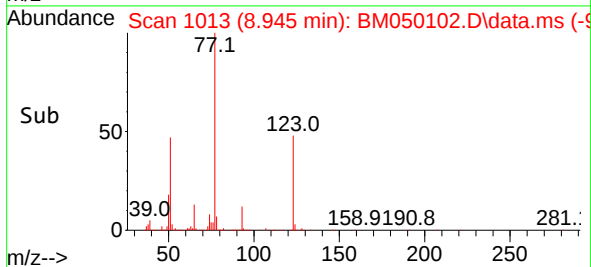
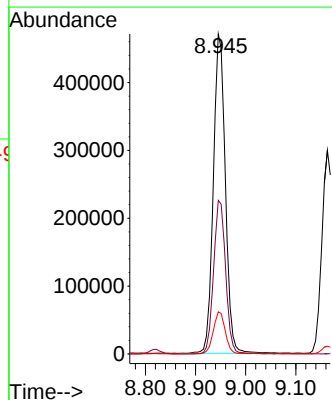
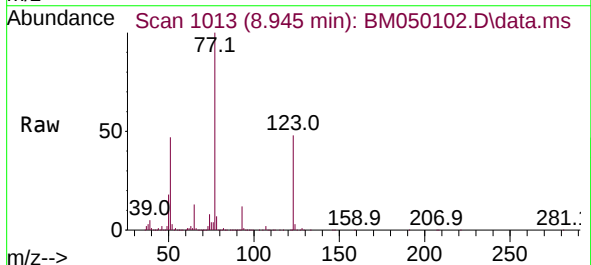
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

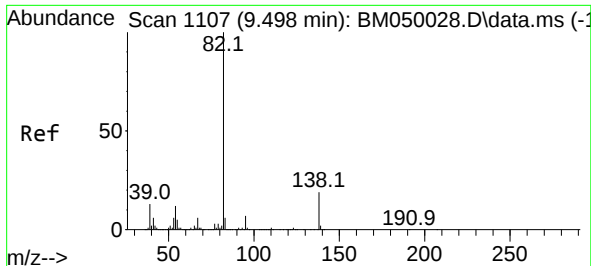
Tgt Ion: 82 Resp: 935080
Ion Ratio Lower Upper
82 100
128 44.8 35.7 53.5
54 43.6 35.4 53.2



#24
Nitrobenzene
Concen: 42.543 ng
RT: 8.945 min Scan# 1013
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion: 77 Resp: 782189
Ion Ratio Lower Upper
77 100
123 48.0 37.9 56.9
65 13.2 10.1 15.1

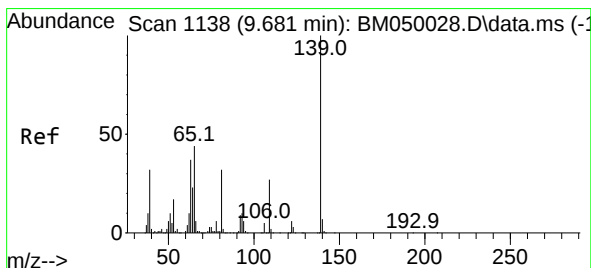
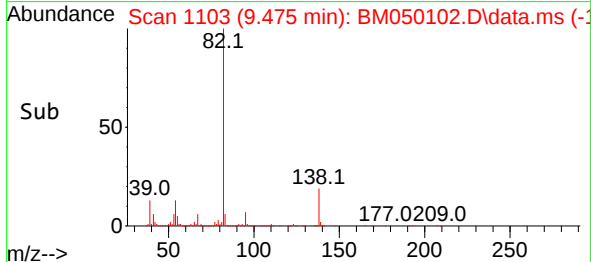
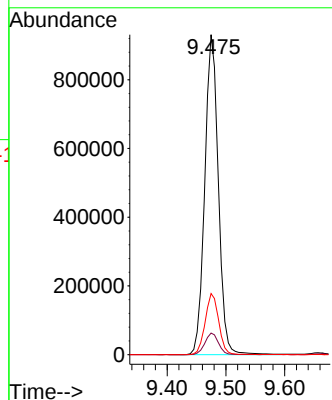
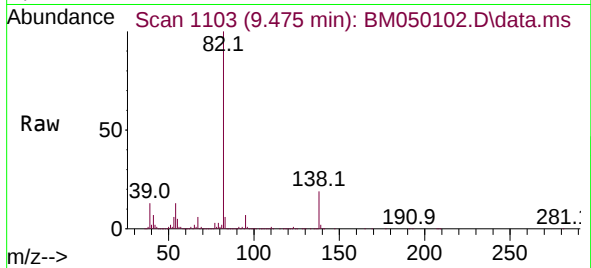




#25
Isophorone
Concen: 41.291 ng
RT: 9.475 min Scan# 1107
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

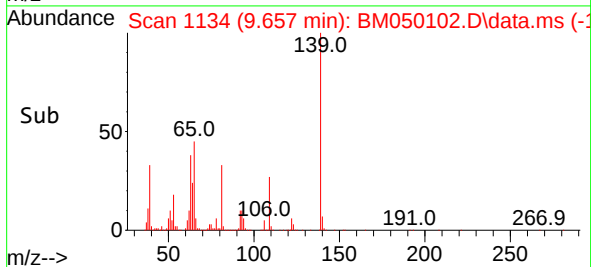
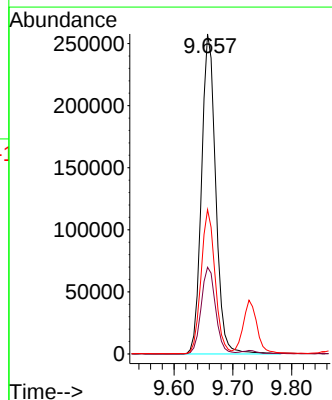
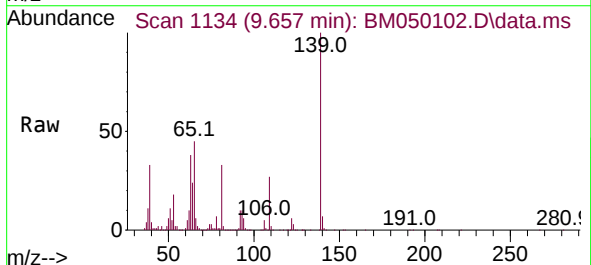
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

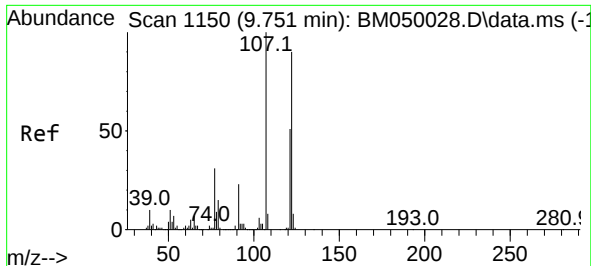
Tgt Ion: 82 Resp: 1496619
Ion Ratio Lower Upper
82 100
95 6.8 5.7 8.5
138 19.1 15.5 23.3



#26
2-Nitrophenol
Concen: 45.947 ng
RT: 9.657 min Scan# 1134
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:139 Resp: 431575
Ion Ratio Lower Upper
139 100
109 27.1 21.9 32.9
65 45.1 35.4 53.2





#27

2,4-Dimethylphenol

Concen: 45.242 ng

RT: 9.728 min Scan# 1146

Delta R.T. -0.024 min

Lab File: BM050102.D

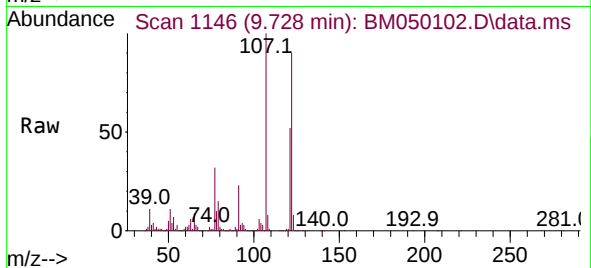
Acq: 05 May 2025 17:00

Instrument :

BNA_M

ClientSampleId :

LARGE-PILE-CMSD



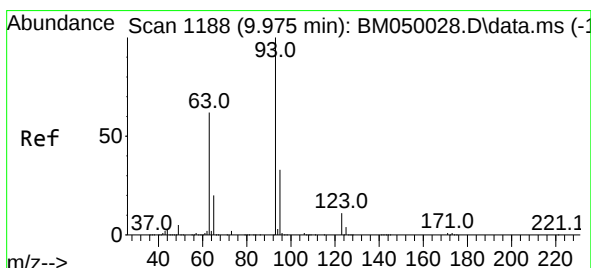
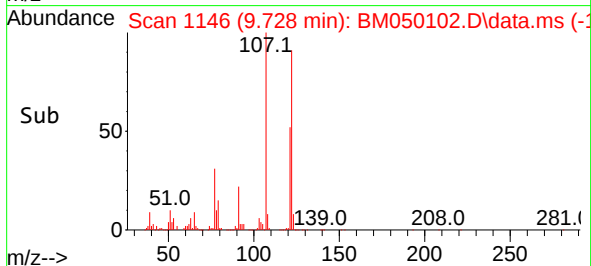
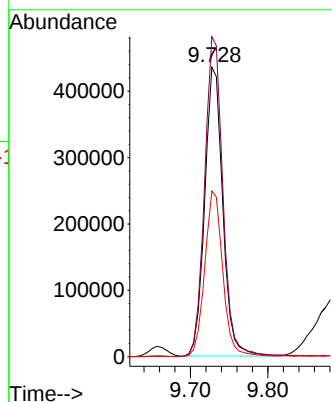
Tgt Ion:122 Resp: 704725

Ion Ratio Lower Upper

122 100

107 110.6 89.0 133.6

121 57.2 45.6 68.4



#28

bis(2-Chloroethoxy)methane

Concen: 42.225 ng

RT: 9.951 min Scan# 1184

Delta R.T. -0.024 min

Lab File: BM050102.D

Acq: 05 May 2025 17:00

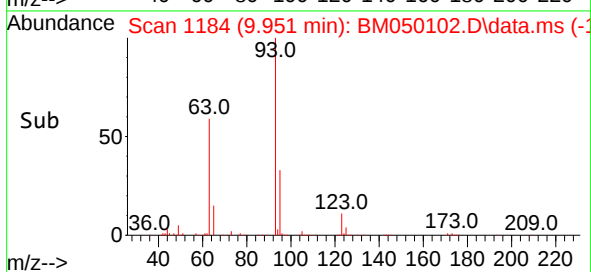
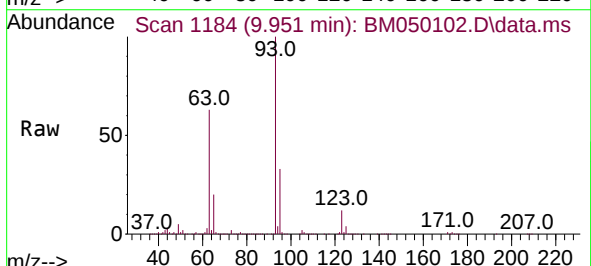
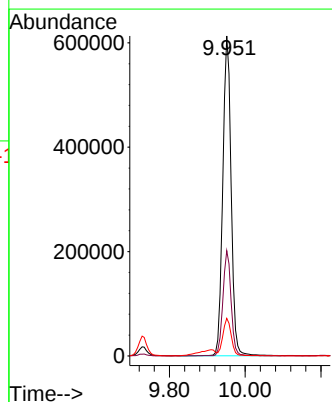
Tgt Ion: 93 Resp: 945958

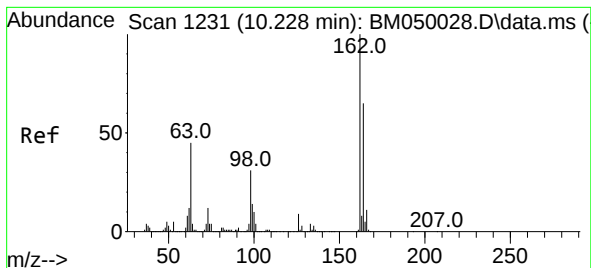
Ion Ratio Lower Upper

93 100

95 32.9 26.1 39.1

123 11.8 9.5 14.3

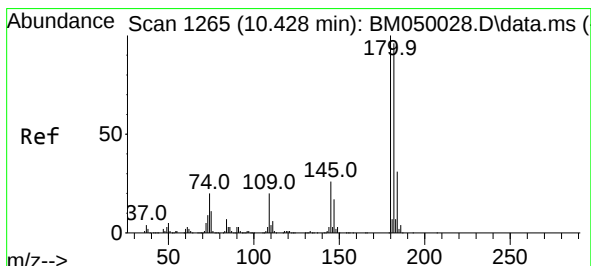
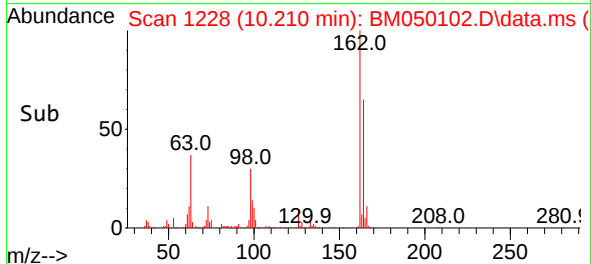
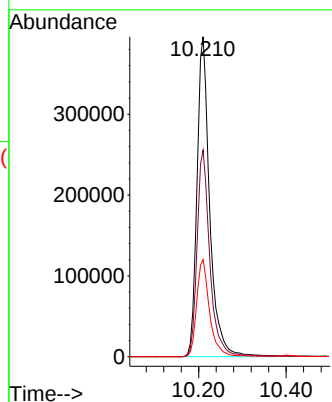
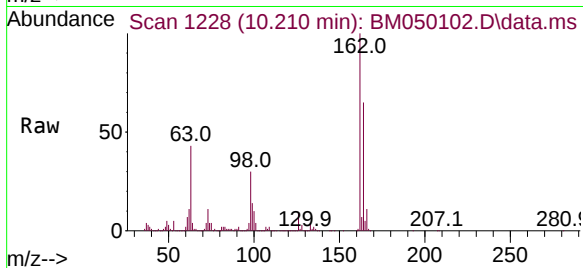




#29
2,4-Dichlorophenol
Concen: 46.064 ng
RT: 10.210 min Scan# 1228
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

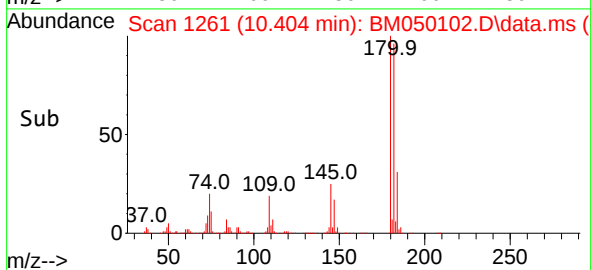
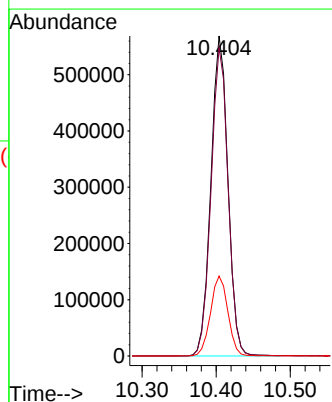
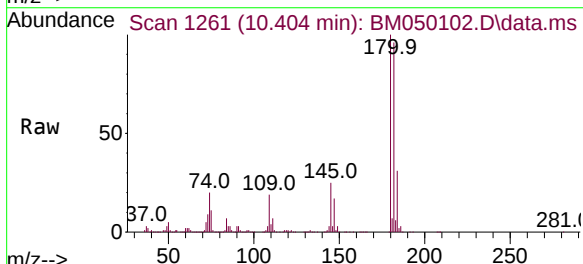
Instrument :
BNA_M
ClientSampleId :
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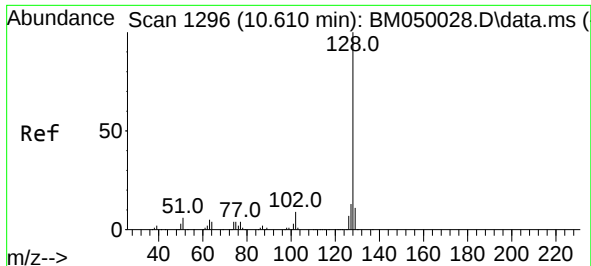
Tgt Ion:162 Resp: 803843
Ion Ratio Lower Upper
162 100
164 64.6 45.4 85.4
98 30.3 11.3 51.3



#30
1,2,4-Trichlorobenzene
Concen: 42.755 ng
RT: 10.404 min Scan# 1261
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:180 Resp: 909008
Ion Ratio Lower Upper
180 100
182 96.3 77.0 115.4
145 25.0 20.6 30.8

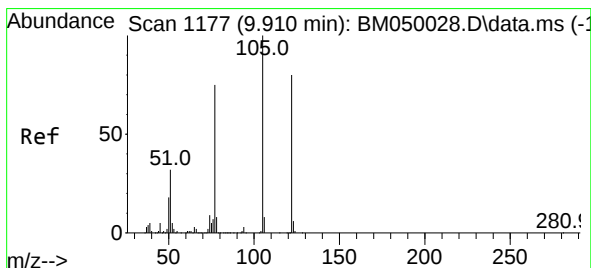
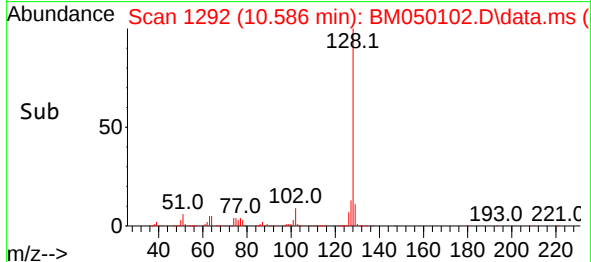
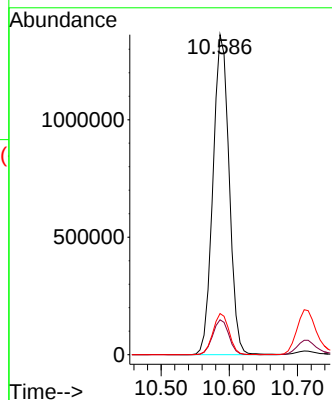
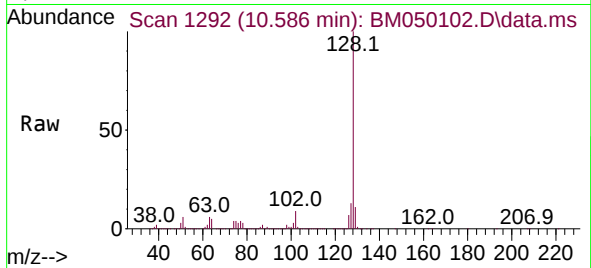




#31
Naphthalene
Concen: 42.321 ng
RT: 10.586 min Scan# 1177
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

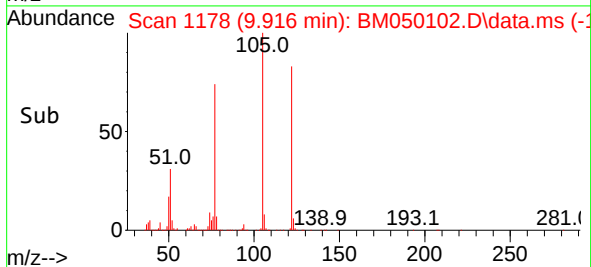
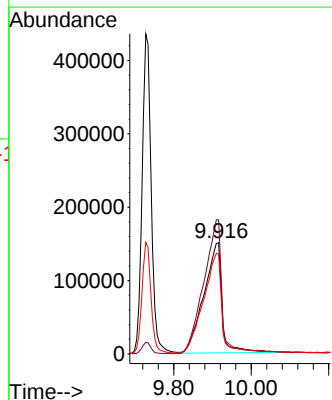
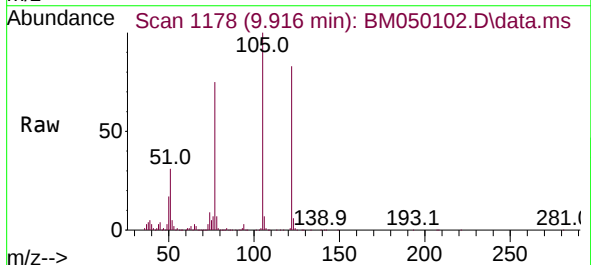
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

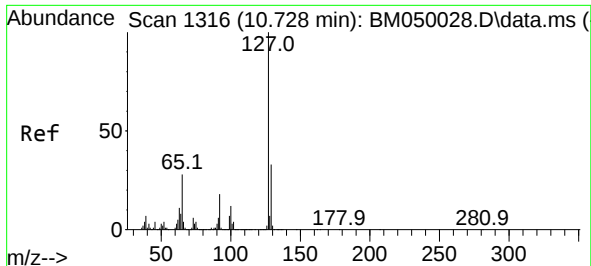
Tgt Ion:128 Resp: 2245700
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 12.9 10.4 15.6



#32
Benzoic acid
Concen: 48.767 ng
RT: 9.916 min Scan# 1178
Delta R.T. 0.006 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:122 Resp: 485833
Ion Ratio Lower Upper
122 100
105 120.6 103.6 143.6
77 89.8 73.7 113.7

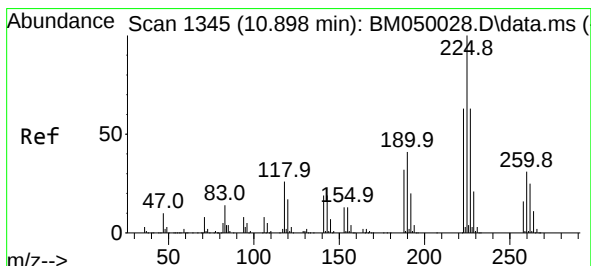
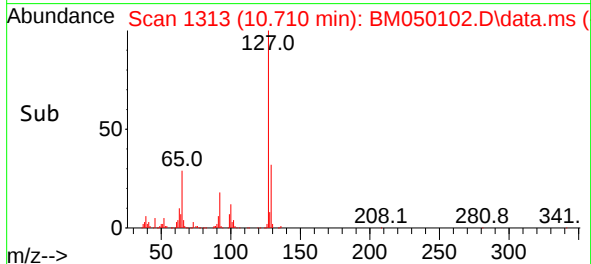
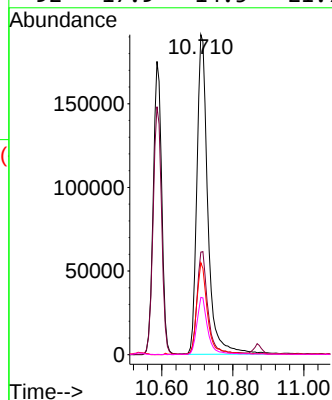
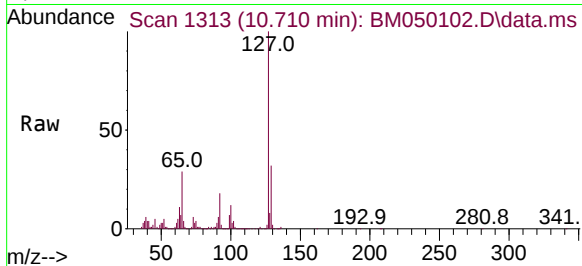




#33
4-Chloroaniline
Concen: 18.940 ng
RT: 10.710 min Scan# 11
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

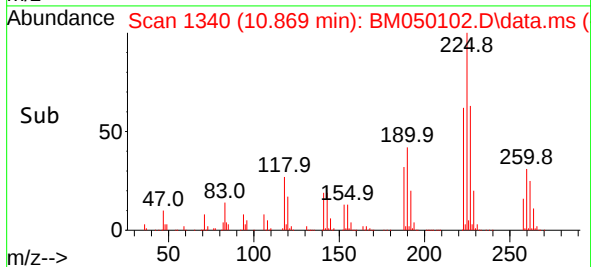
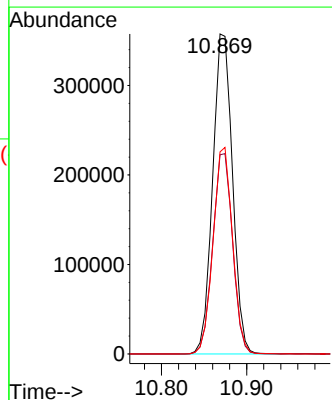
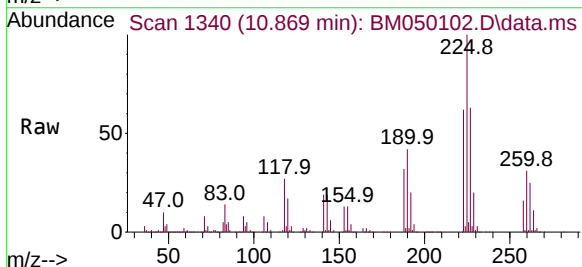
Instrument :
BNA_M
ClientSampleId :
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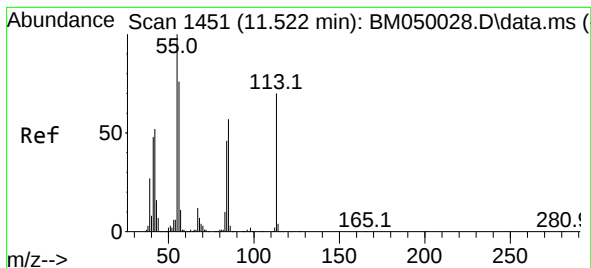
Tgt Ion:127	Resp: 411943
Ion Ratio	Lower Upper
127 100	
129 32.1	26.3 39.5
65 28.8	22.5 33.7
92 17.9	14.5 21.7



#34
Hexachlorobutadiene
Concen: 42.741 ng
RT: 10.869 min Scan# 1340
Delta R.T. -0.030 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:225	Resp: 576823
Ion Ratio	Lower Upper
225 100	
223 62.3	50.2 75.2
227 63.1	50.6 76.0

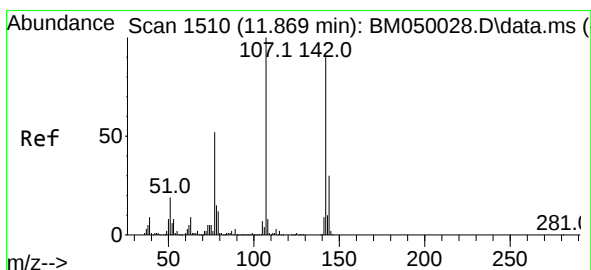
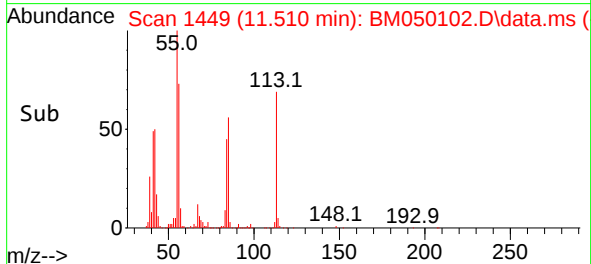
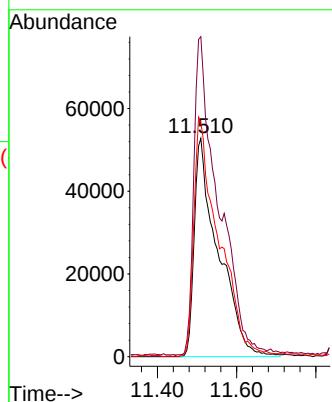
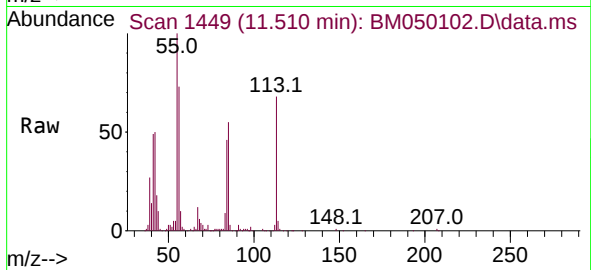




#35
Caprolactam
Concen: 43.397 ng
RT: 11.510 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

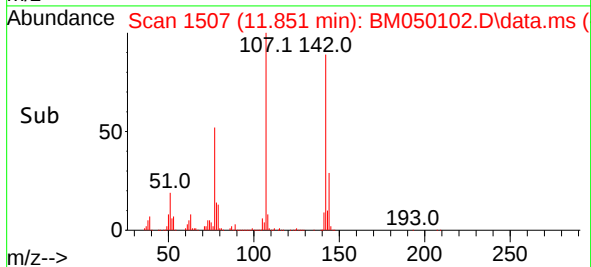
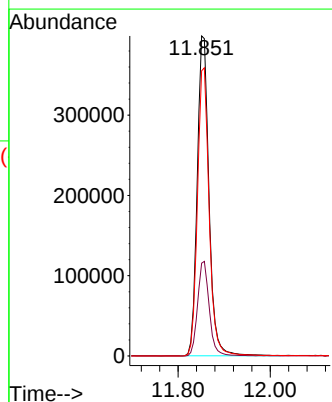
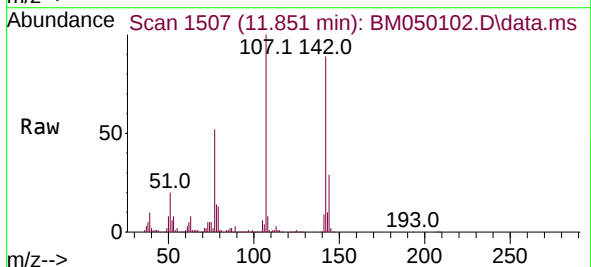
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BNA_M
ClientSampleId :
LARGE-PILE-CMSD

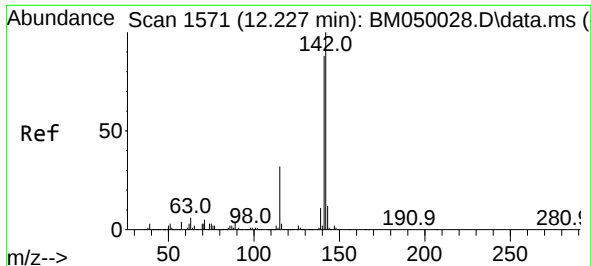
Tgt Ion:113 Resp: 220808
Ion Ratio Lower Upper
113 100
55 146.6 122.9 162.9
56 107.3 88.1 128.1



#36
4-Chloro-3-methylphenol
Concen: 43.872 ng
RT: 11.851 min Scan# 1507
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:107 Resp: 707311
Ion Ratio Lower Upper
107 100
144 29.0 23.8 35.6
142 89.1 71.9 107.9

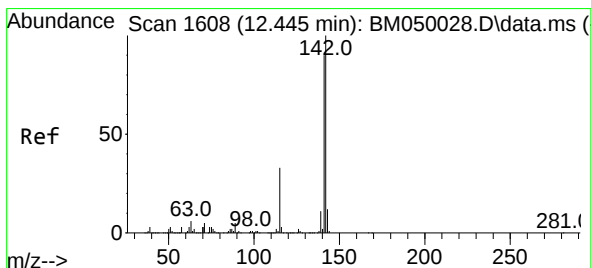
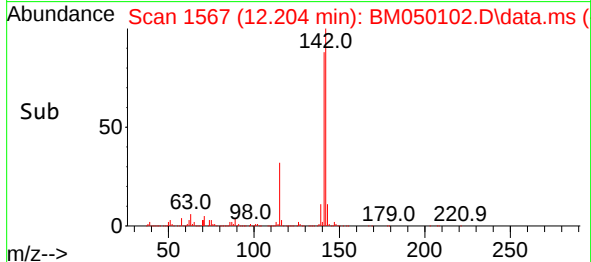
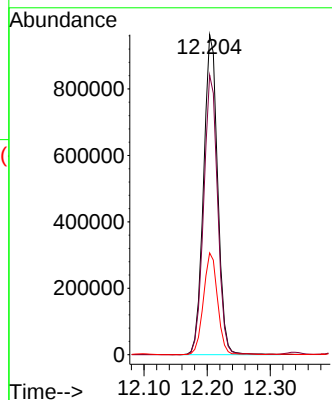
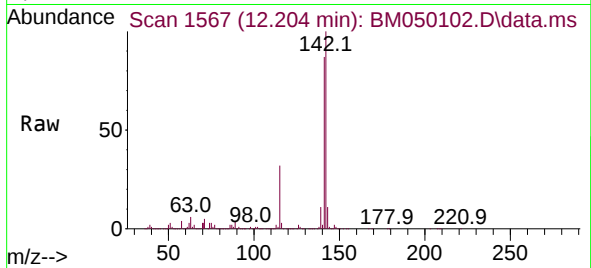




#37
2-Methylnaphthalene
Concen: 41.951 ng
RT: 12.204 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

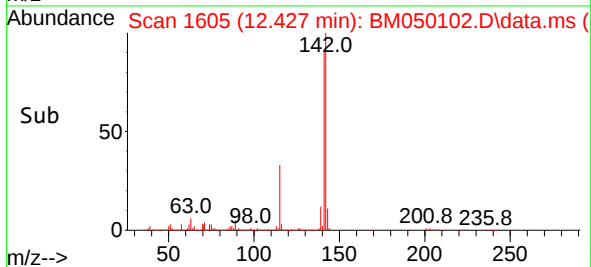
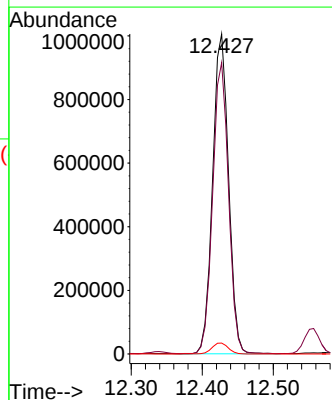
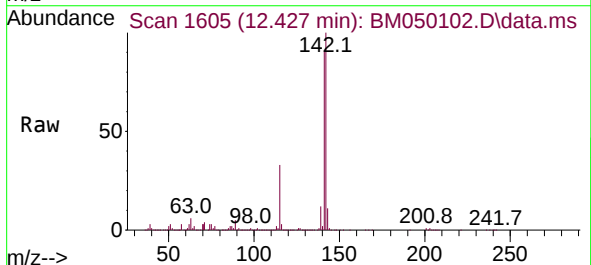
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

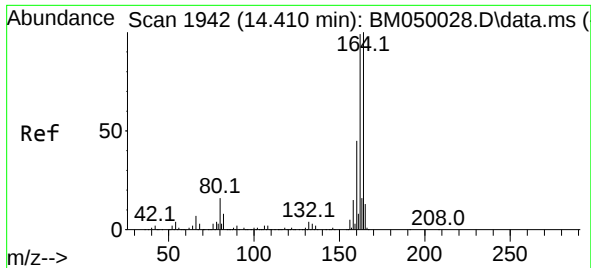
Tgt Ion:142 Resp: 1492444
Ion Ratio Lower Upper
142 100
141 87.4 70.4 105.6
115 31.8 25.4 38.2



#38
1-Methylnaphthalene
Concen: 41.462 ng
RT: 12.427 min Scan# 1605
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:142 Resp: 1561032
Ion Ratio Lower Upper
142 100
141 91.0 72.1 108.1
116 3.4 2.7 4.1

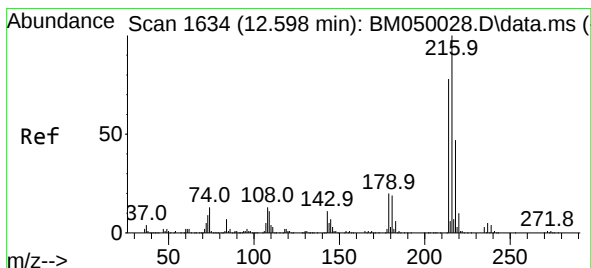
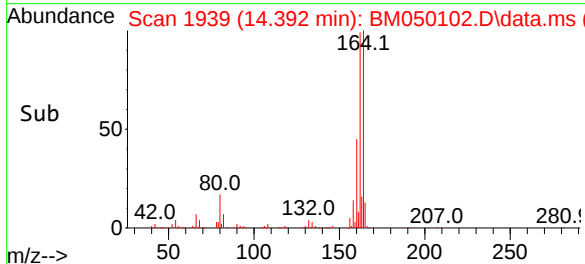
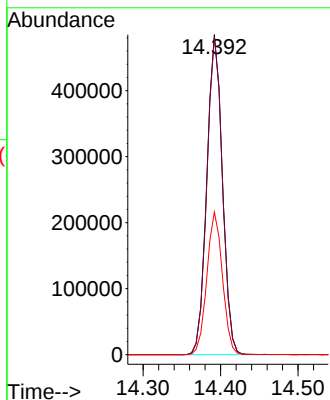
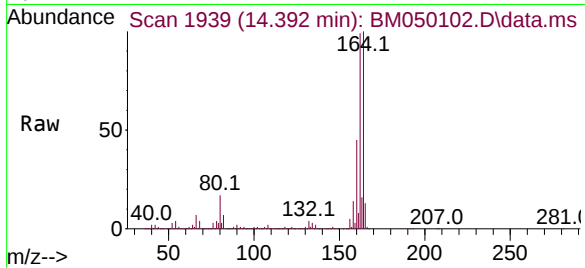




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1942
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

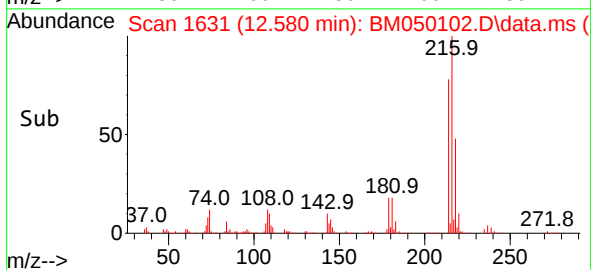
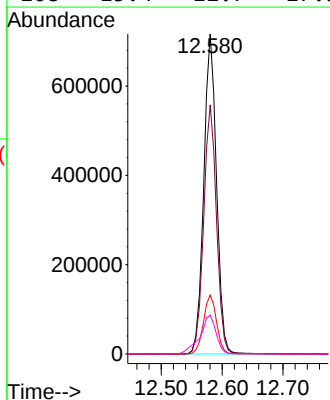
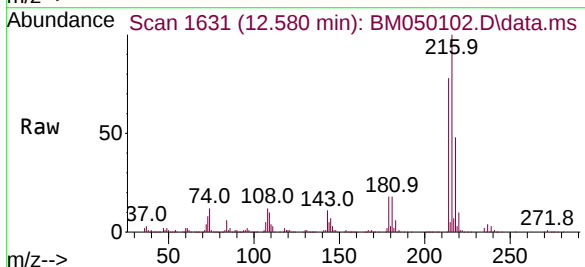
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

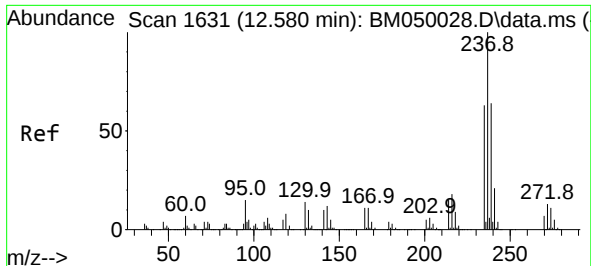
Tgt Ion:164 Resp: 677703
Ion Ratio Lower Upper
164 100
162 99.4 79.4 119.0
160 44.6 36.2 54.4



#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.382 ng
RT: 12.580 min Scan# 1631
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

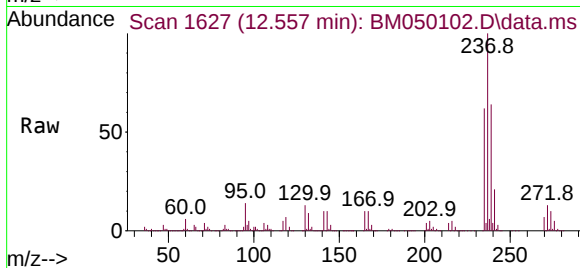
Tgt Ion:216 Resp: 1041214
Ion Ratio Lower Upper
216 100
214 78.5 62.3 93.5
179 18.9 15.4 23.0
108 15.4 11.7 17.5



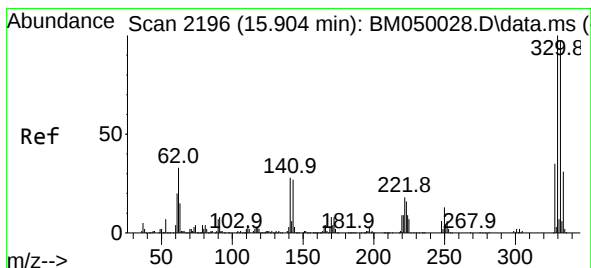
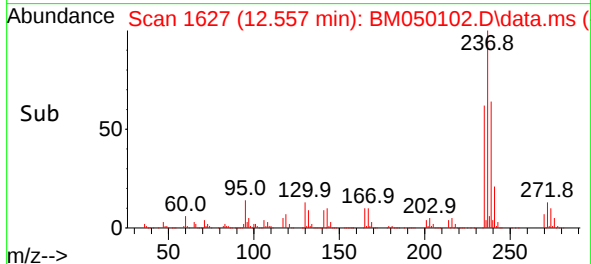
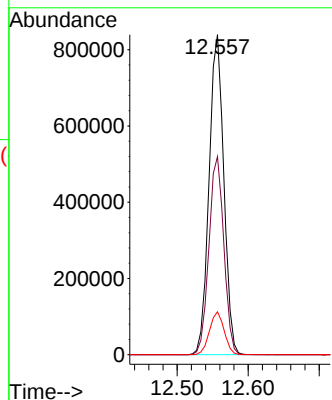


#41
Hexachlorocyclopentadiene
Concen: 84.498 ng
RT: 12.557 min Scan# 1
Delta R.T. -0.023 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

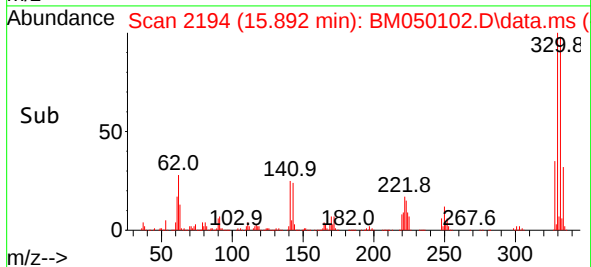
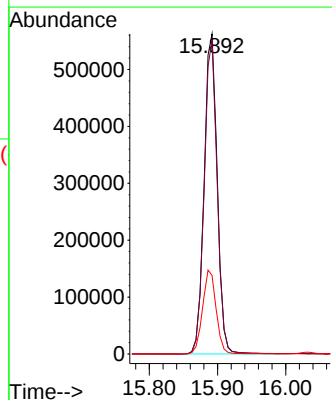
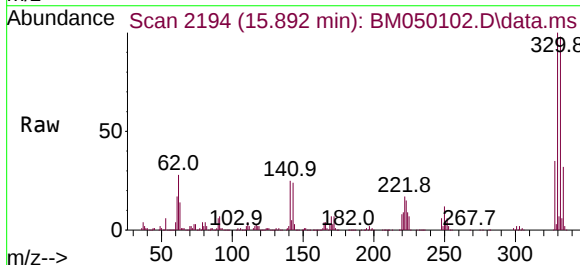


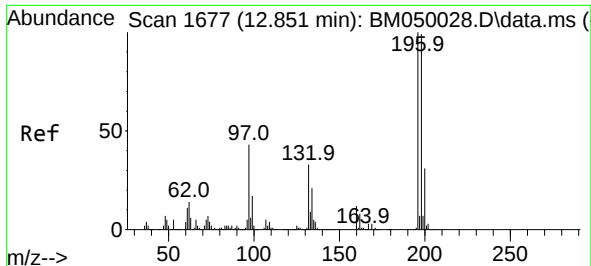
Tgt Ion:237 Resp: 1211458
Ion Ratio Lower Upper
237 100
235 61.9 42.9 82.9
272 13.4 0.0 32.9



#42
2,4,6-Tribromophenol
Concen: 75.105 ng
RT: 15.892 min Scan# 2194
Delta R.T. -0.012 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

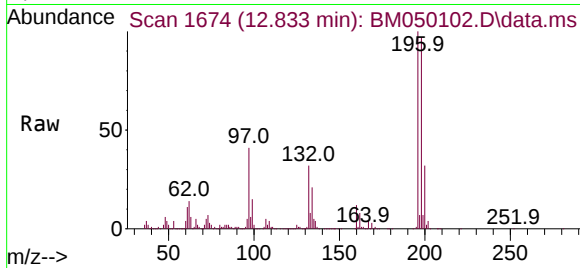
Tgt Ion:330 Resp: 752609
Ion Ratio Lower Upper
330 100
332 97.0 77.3 115.9
141 27.2 22.5 33.7



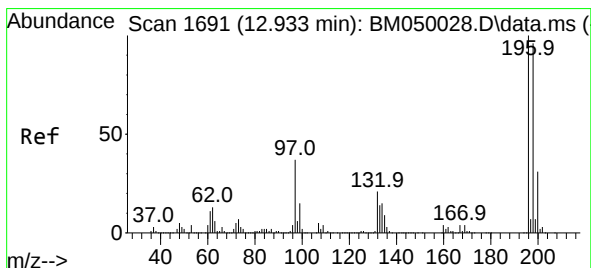
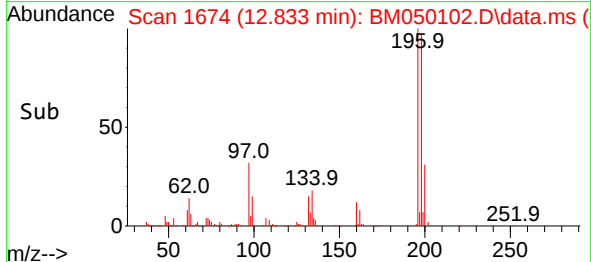
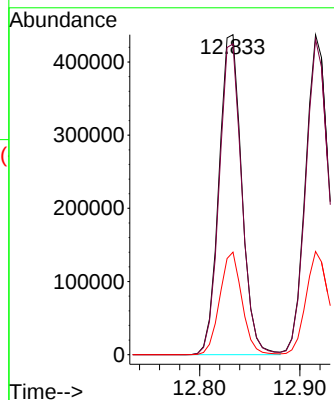


#43
2,4,6-Trichlorophenol
Concen: 46.248 ng
RT: 12.833 min Scan# 1674
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

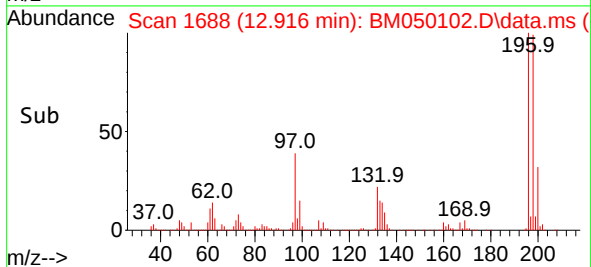
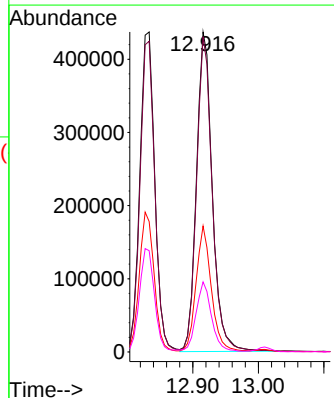
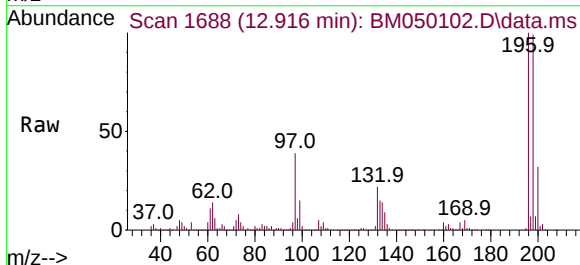


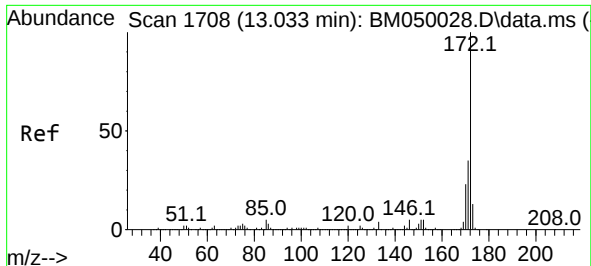
Tgt Ion:196 Resp: 688174
Ion Ratio Lower Upper
196 100
198 97.1 79.0 118.6
200 32.1 25.1 37.7



#44
2,4,5-Trichlorophenol
Concen: 45.812 ng
RT: 12.916 min Scan# 1688
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:196 Resp: 735097
Ion Ratio Lower Upper
196 100
198 98.6 76.7 115.1
97 39.4 30.1 45.1
132 21.9 16.6 25.0

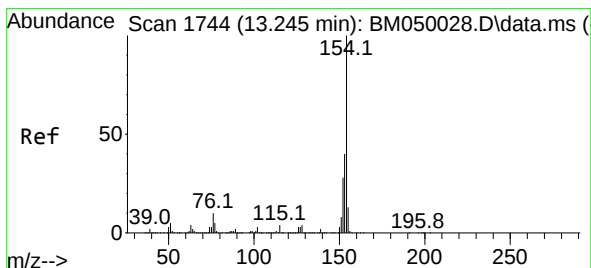
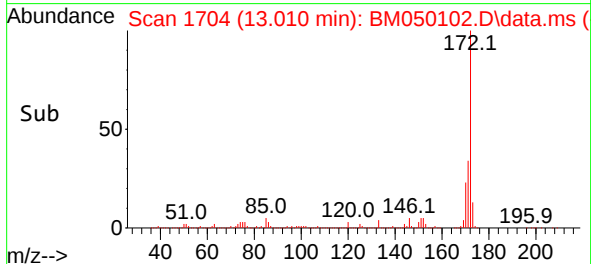
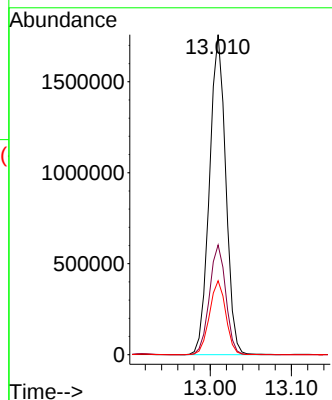
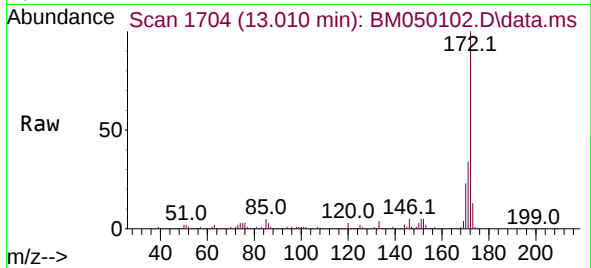




#45
2-Fluorobiphenyl
Concen: 42.705 ng
RT: 13.010 min Scan# 1704
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

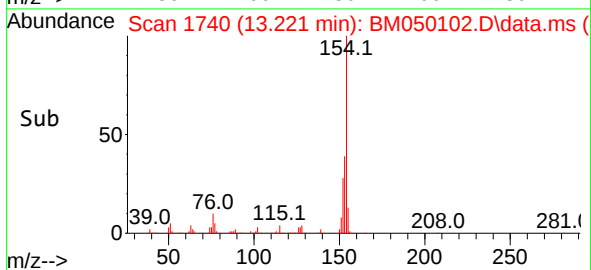
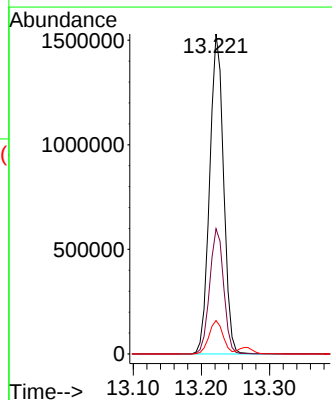
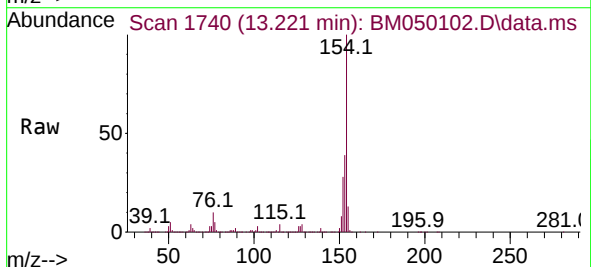
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

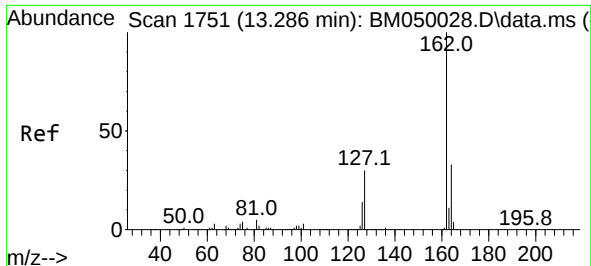
Tgt Ion:172 Resp: 2446445
Ion Ratio Lower Upper
172 100
171 34.3 27.8 41.6
170 23.1 18.6 28.0



#46
1,1'-Biphenyl
Concen: 43.105 ng
RT: 13.221 min Scan# 1740
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:154 Resp: 2171525
Ion Ratio Lower Upper
154 100
153 39.2 20.0 60.0
76 10.5 0.0 30.3

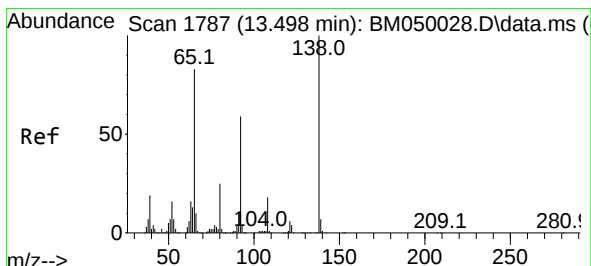
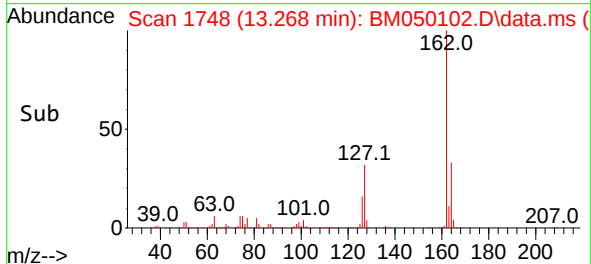
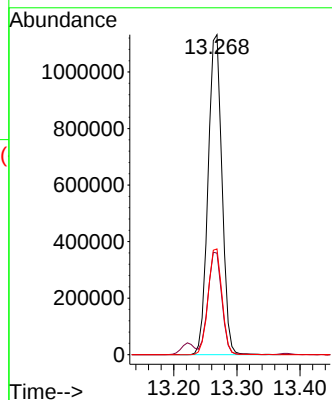
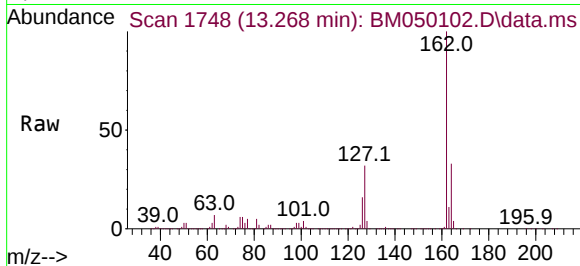




#47
2-Chloronaphthalene
Concen: 43.436 ng
RT: 13.268 min Scan# 1751
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

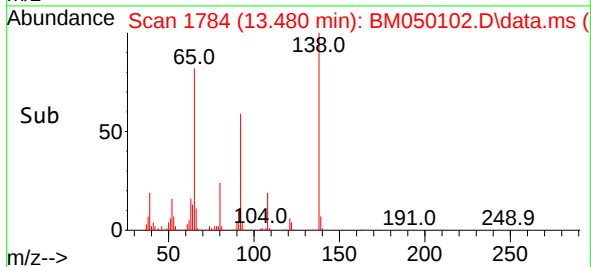
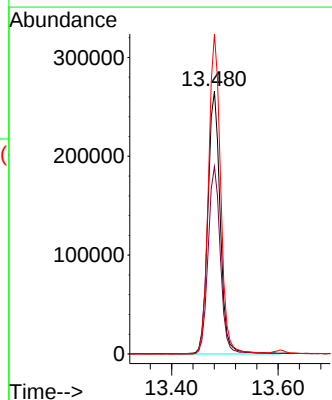
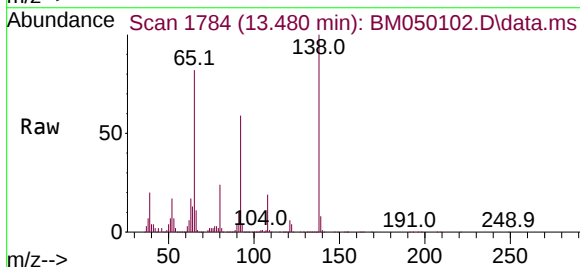
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

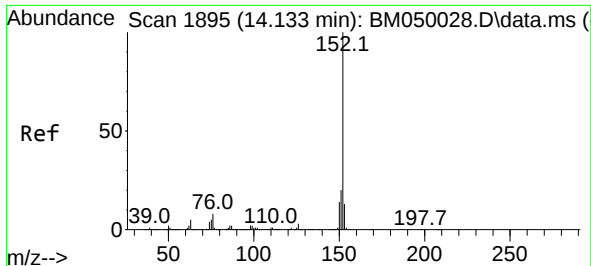
Tgt Ion:162 Resp: 1733055
Ion Ratio Lower Upper
162 100
127 31.7 25.9 38.9
164 33.0 26.6 40.0



#48
2-Nitroaniline
Concen: 45.573 ng
RT: 13.480 min Scan# 1784
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion: 65 Resp: 426754
Ion Ratio Lower Upper
65 100
92 71.3 57.1 85.7
138 121.8 97.0 145.4

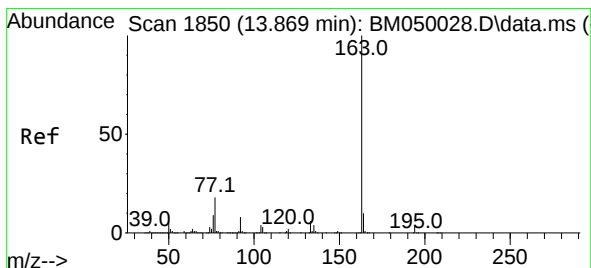
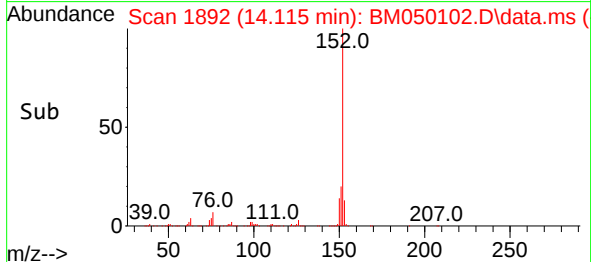
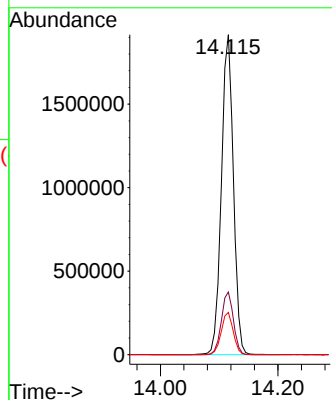
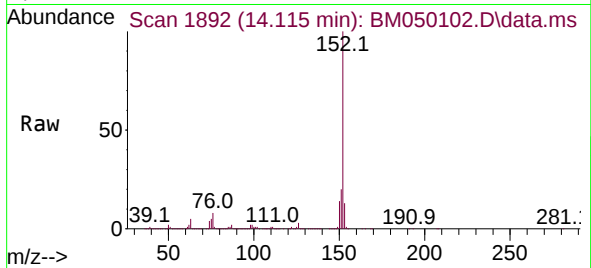




#49
Acenaphthylene
Concen: 43.026 ng
RT: 14.115 min Scan# 1892
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

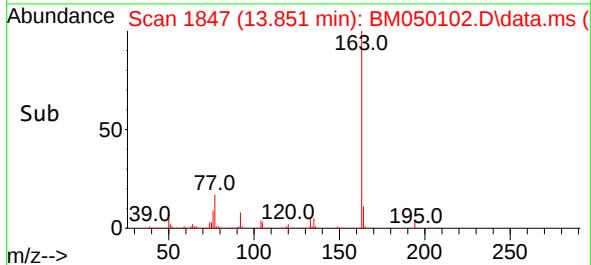
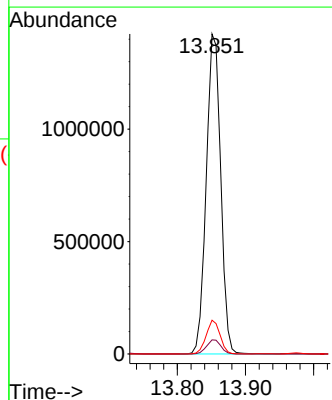
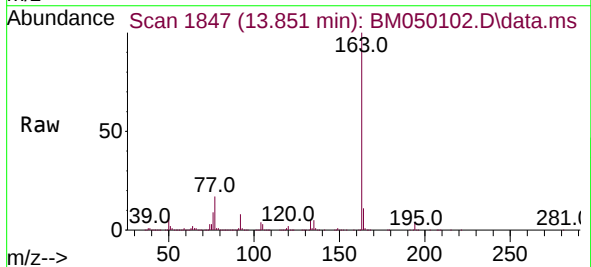
Instrument :
BNA_M
ClientSampleId :
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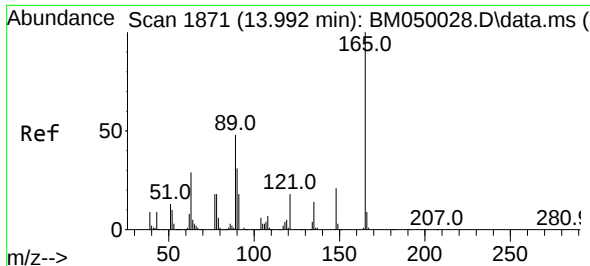
Tgt Ion:152 Resp: 2706657
Ion Ratio Lower Upper
152 100
151 19.6 15.8 23.8
153 13.2 10.6 15.8



#50
Dimethylphthalate
Concen: 42.338 ng
RT: 13.851 min Scan# 1847
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:163 Resp: 2096886
Ion Ratio Lower Upper
163 100
194 4.4 3.4 5.2
164 10.6 8.2 12.2

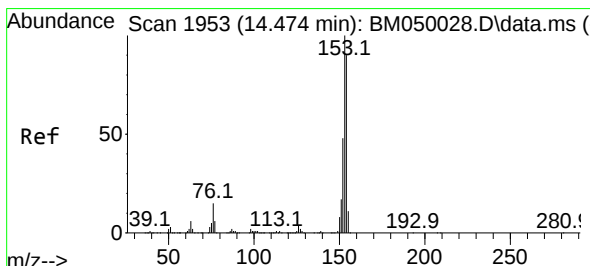
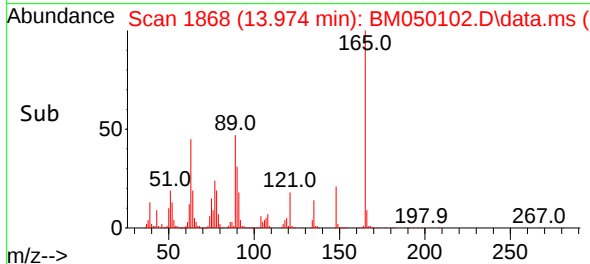
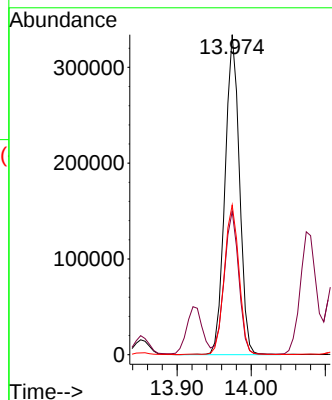
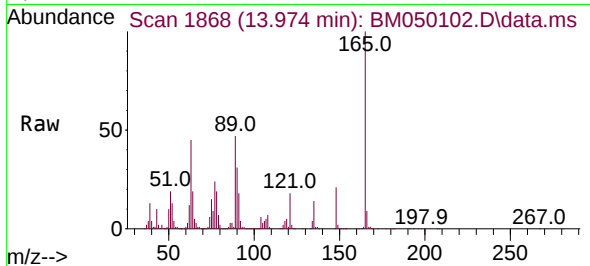




#51
2,6-Dinitrotoluene
Concen: 44.235 ng
RT: 13.974 min Scan# 1868
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

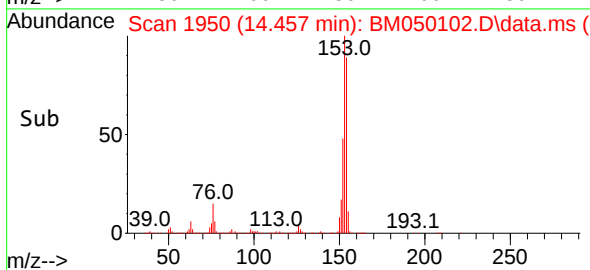
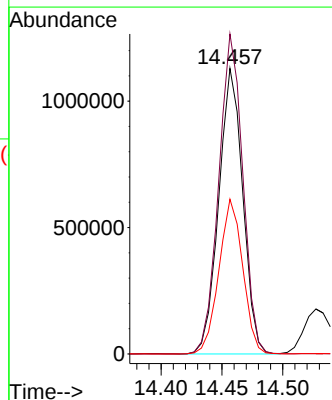
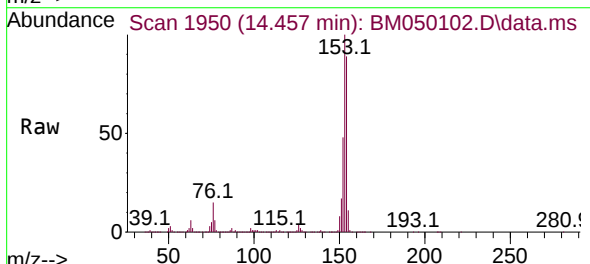
Instrument :
BNA_M
ClientSampleId :
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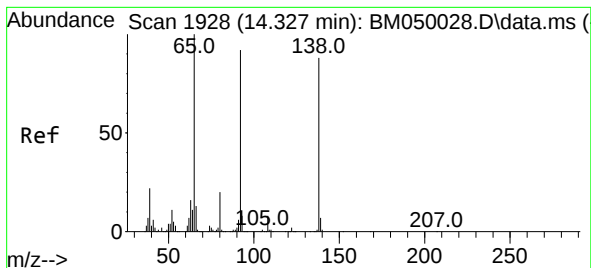
Tgt Ion:165 Resp: 453604
Ion Ratio Lower Upper
165 100
63 44.8 35.1 52.7
89 46.8 38.4 57.6



#52
Acenaphthene
Concen: 42.580 ng
RT: 14.457 min Scan# 1950
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:154 Resp: 1550487
Ion Ratio Lower Upper
154 100
153 112.1 89.0 133.4
152 54.2 43.0 64.6

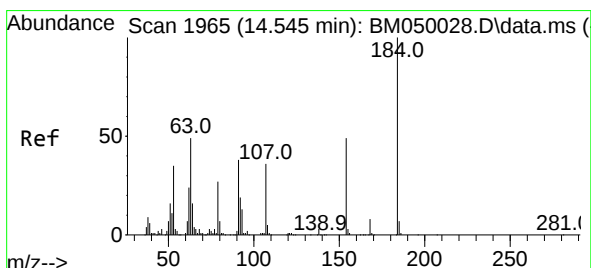
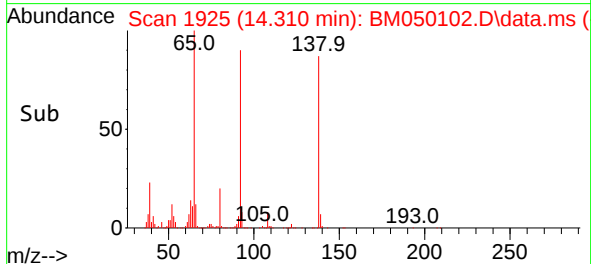
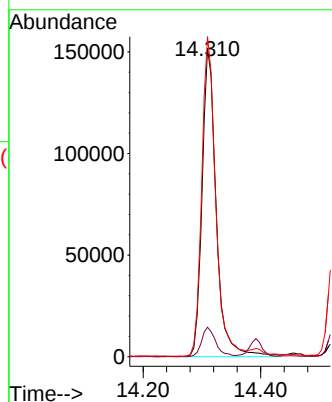
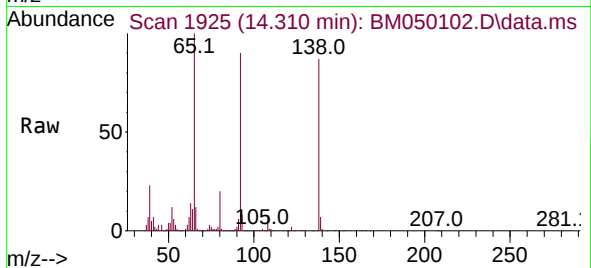




#53
3-Nitroaniline
Concen: 25.944 ng
RT: 14.310 min Scan# 1925
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

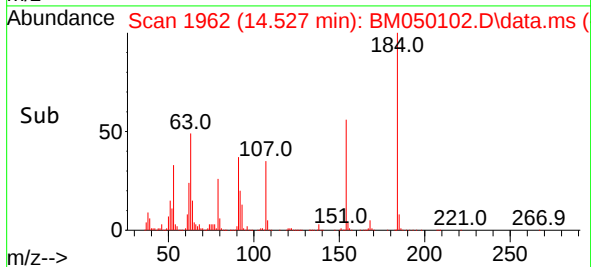
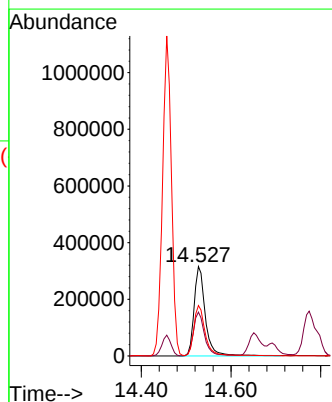
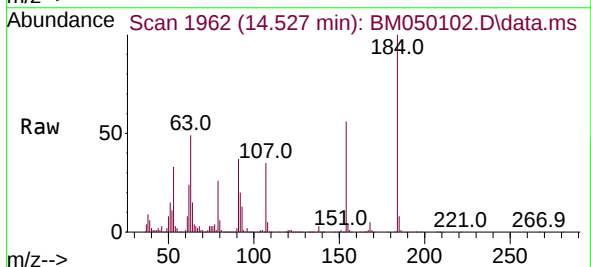
Instrument :
BNA_M
ClientSampleId :
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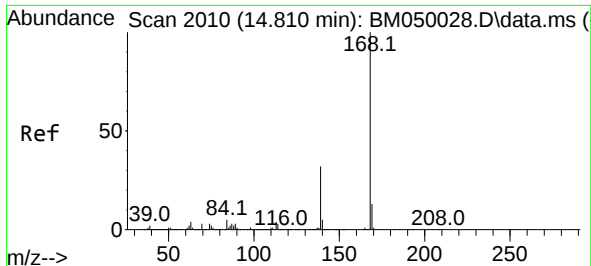
Tgt Ion:138 Resp: 253994
Ion Ratio Lower Upper
138 100
108 9.6 7.4 11.2
92 103.7 84.0 126.0



#54
2,4-Dinitrophenol
Concen: 83.383 ng
RT: 14.527 min Scan# 1962
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:184 Resp: 548918
Ion Ratio Lower Upper
184 100
63 49.1 39.8 59.6
154 56.4 46.1 69.1

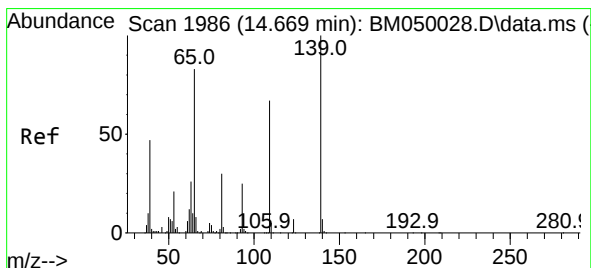
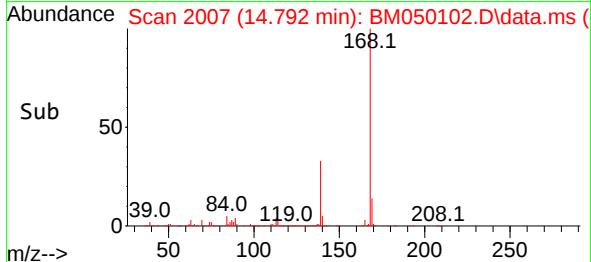
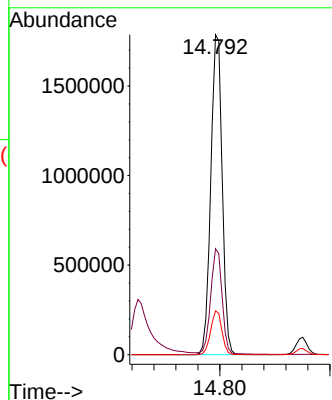
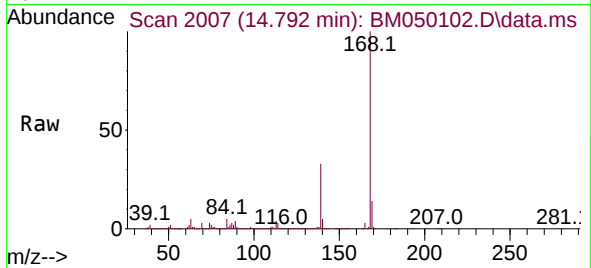




#55
Dibenzenofuran
Concen: 42.327 ng
RT: 14.792 min Scan# 2010
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

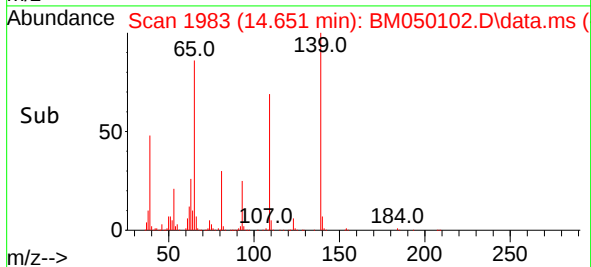
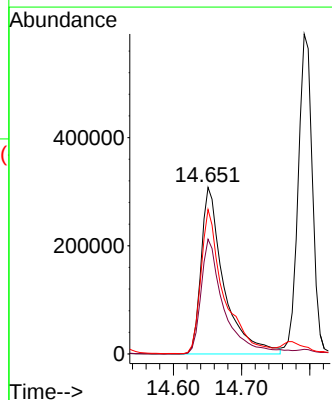
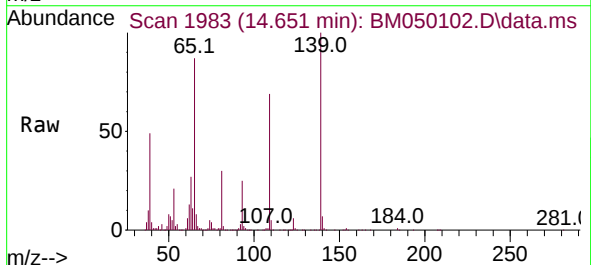
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BNA_M
ClientSampleId :
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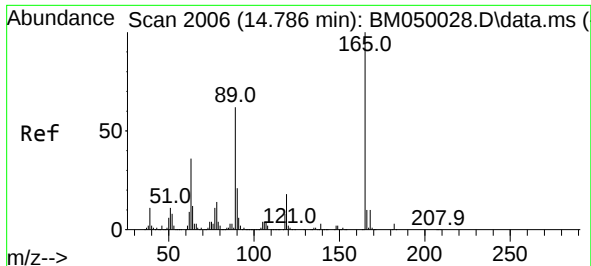
Tgt Ion:168 Resp: 2564349
Ion Ratio Lower Upper
168 100
139 33.1 26.1 39.1
169 13.7 10.8 16.2



#56
4-Nitrophenol
Concen: 89.353 ng
RT: 14.651 min Scan# 1983
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:139 Resp: 716138
Ion Ratio Lower Upper
139 100
109 68.8 47.0 87.0
65 86.7 64.3 104.3

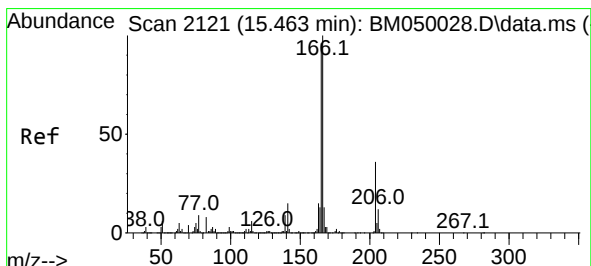
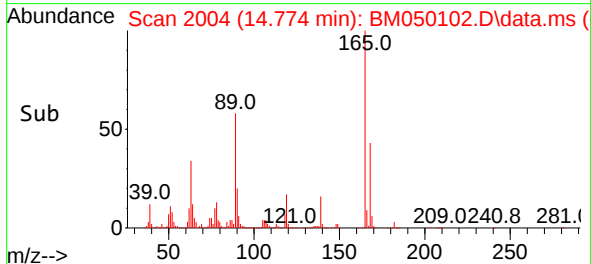
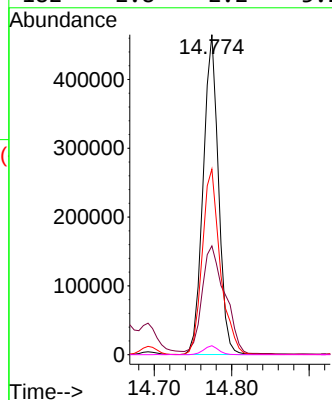
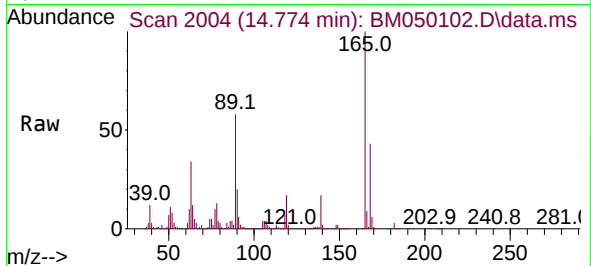




#57
2,4-Dinitrotoluene
Concen: 45.069 ng
RT: 14.774 min Scan# 20
Delta R.T. -0.012 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

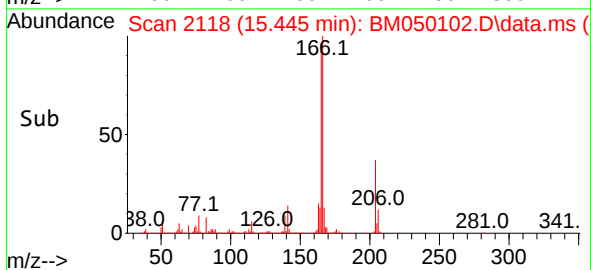
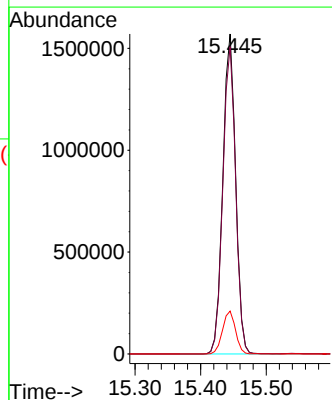
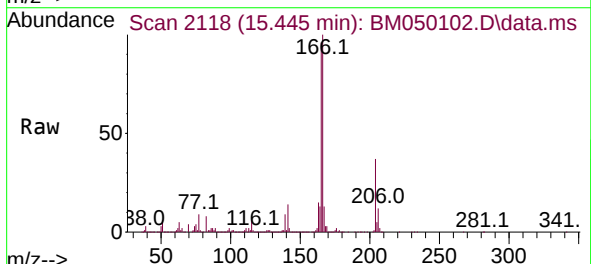
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

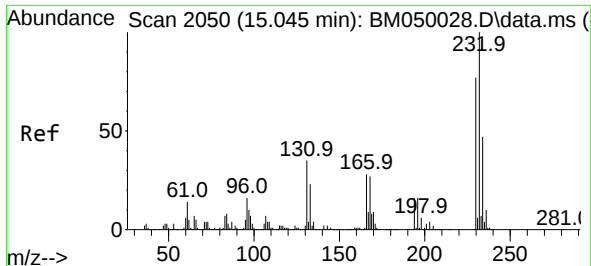
Tgt Ion:165 Resp: 638601
Ion Ratio Lower Upper
165 100
63 34.0 29.0 43.6
89 58.0 49.4 74.2
182 2.8 2.2 3.2



#58
Fluorene
Concen: 42.668 ng
RT: 15.445 min Scan# 2118
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

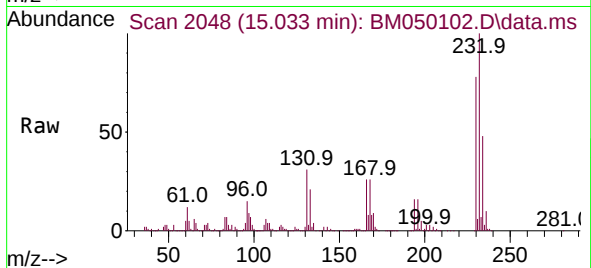
Tgt Ion:166 Resp: 2115905
Ion Ratio Lower Upper
166 100
165 96.1 76.6 115.0
167 13.4 10.6 16.0



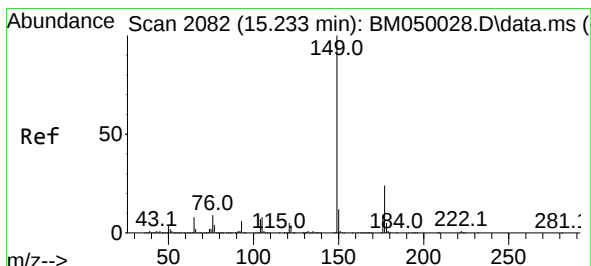
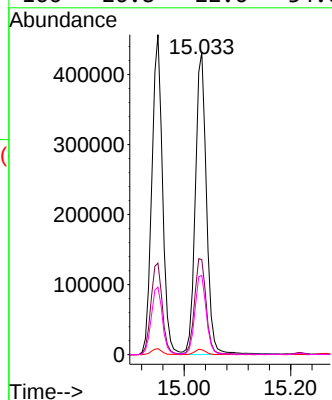
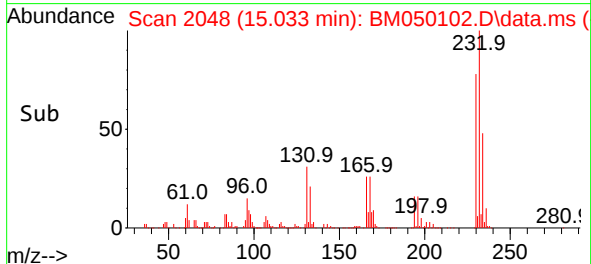


#59
2,3,4,6-Tetrachlorophenol
Concen: 45.001 ng
RT: 15.033 min Scan# 2048
Delta R.T. -0.012 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

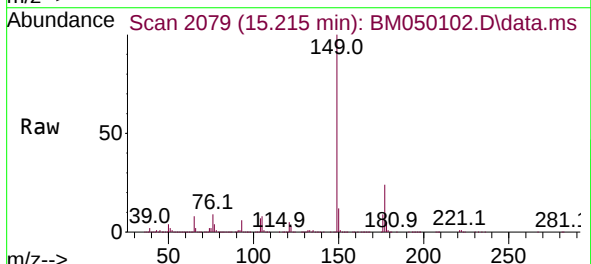
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD



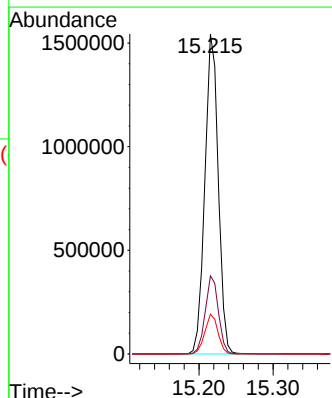
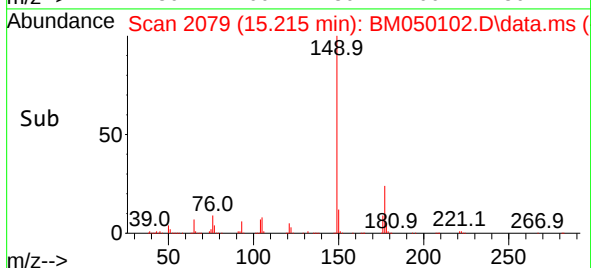
Tgt Ion:232 Resp: 625034
Ion Ratio Lower Upper
232 100
131 33.3 28.2 42.4
130 1.8 1.5 2.3
166 26.8 22.6 34.0

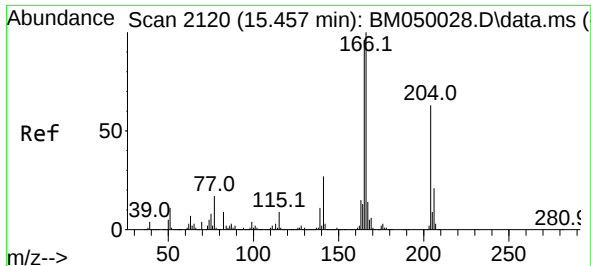


#60
Diethylphthalate
Concen: 41.567 ng
RT: 15.215 min Scan# 2079
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00



Tgt Ion:149 Resp: 1939860
Ion Ratio Lower Upper
149 100
177 24.4 19.1 28.7
150 12.4 9.6 14.4

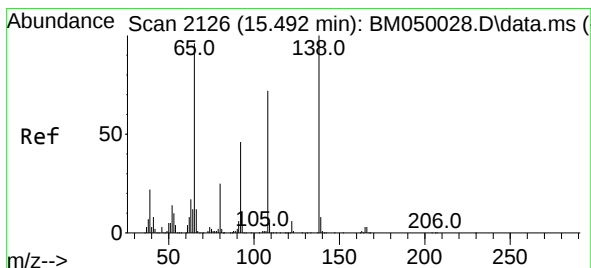
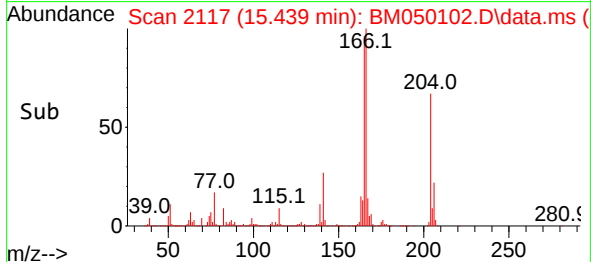
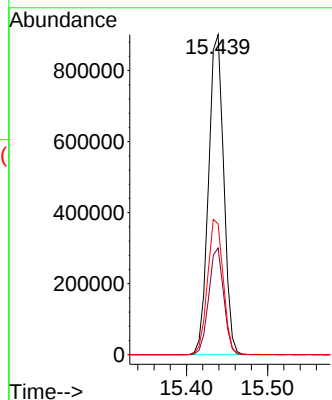
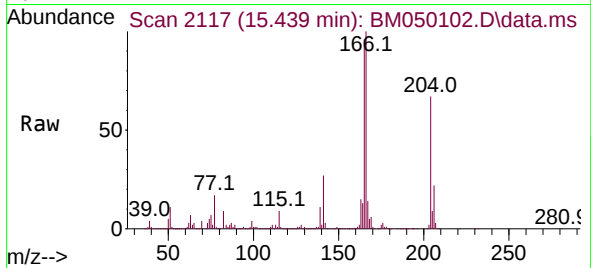




#61
4-Chlorophenyl-phenylether
Concen: 42.934 ng
RT: 15.439 min Scan# 2117
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

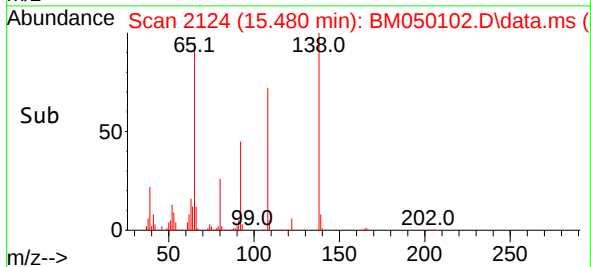
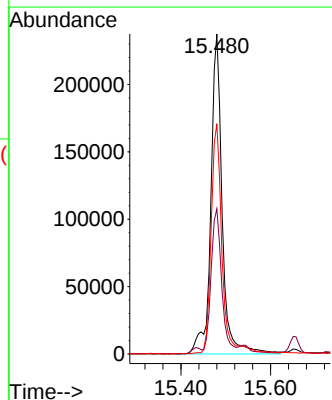
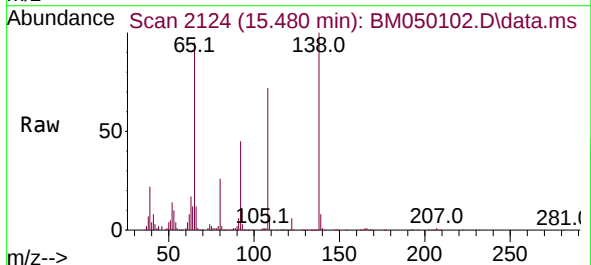
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

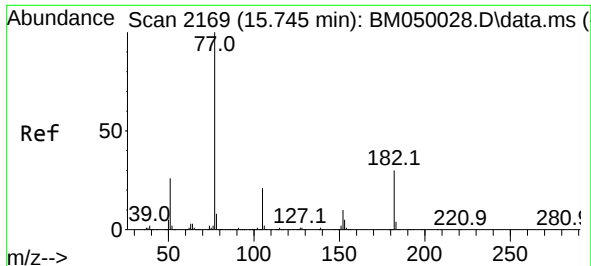
Tgt Ion:204 Resp: 1169405
Ion Ratio Lower Upper
204 100
206 33.4 26.3 39.5
141 40.9 34.0 51.0



#62
4-Nitroaniline
Concen: 44.274 ng
RT: 15.480 min Scan# 2124
Delta R.T. -0.012 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:138 Resp: 418189
Ion Ratio Lower Upper
138 100
92 45.4 25.9 65.9
108 71.9 52.4 92.4

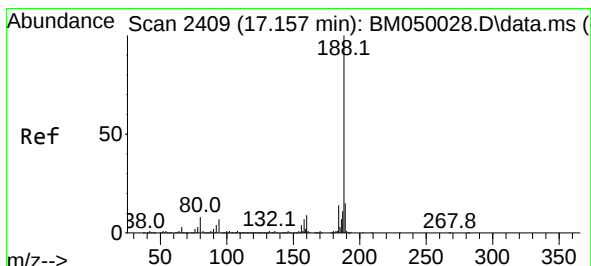
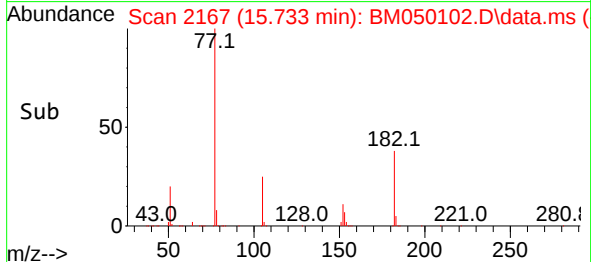
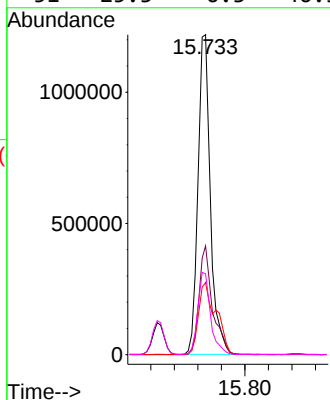
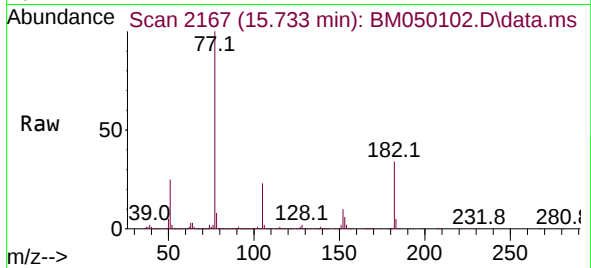




#63
Azobenzene
Concen: 45.668 ng
RT: 15.733 min Scan# 2167
Delta R.T. -0.012 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

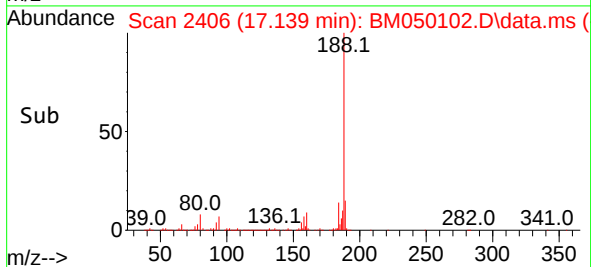
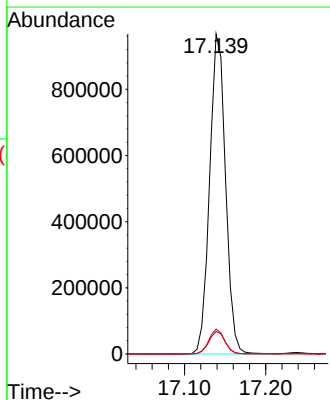
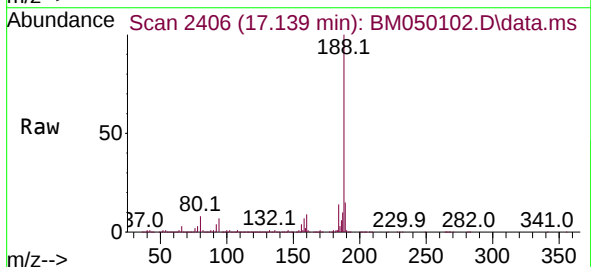
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

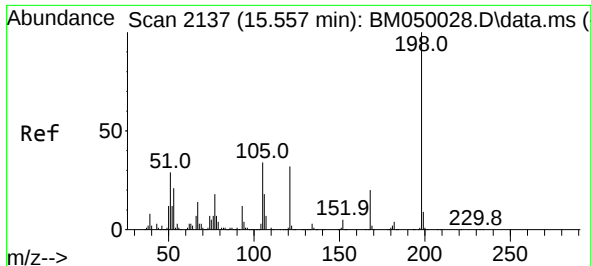
Tgt Ion: 77 Resp: 1786138
Ion Ratio Lower Upper
77 100
182 34.0 10.5 50.5
105 22.5 1.1 41.1
51 25.3 6.3 46.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.139 min Scan# 2406
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

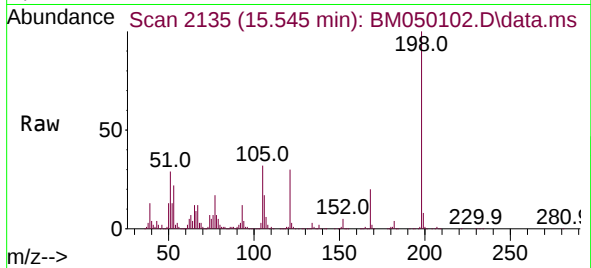
Tgt Ion:188 Resp: 1314656
Ion Ratio Lower Upper
188 100
94 7.1 5.7 8.5
80 7.8 6.2 9.4



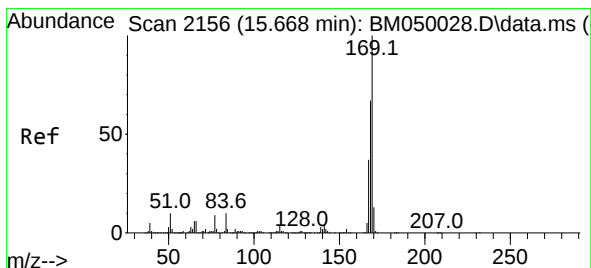
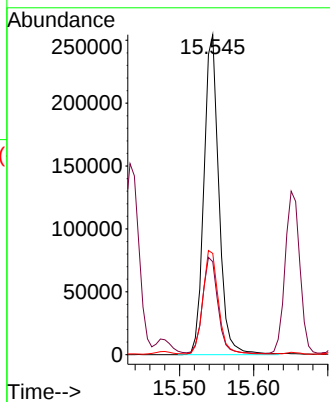
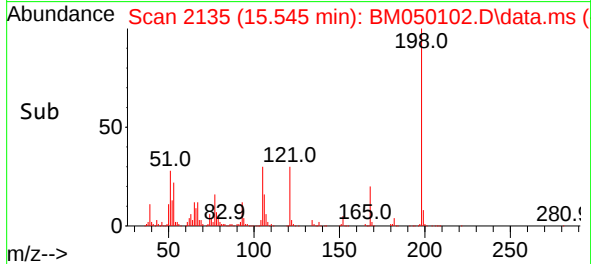


#65
4,6-Dinitro-2-methylphenol
Concen: 43.589 ng
RT: 15.545 min Scan# 2135
Delta R.T. -0.012 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

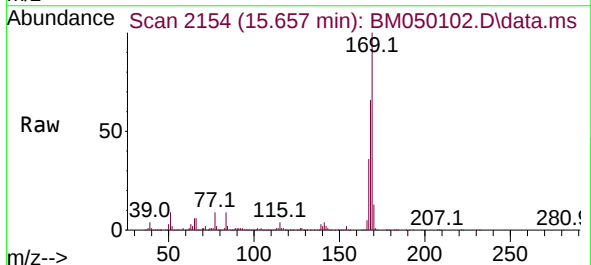
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD



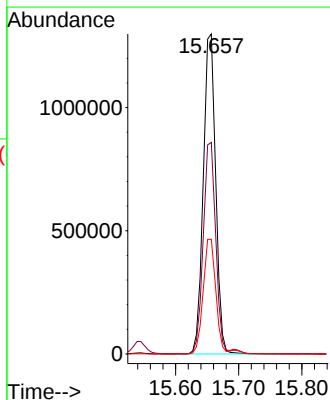
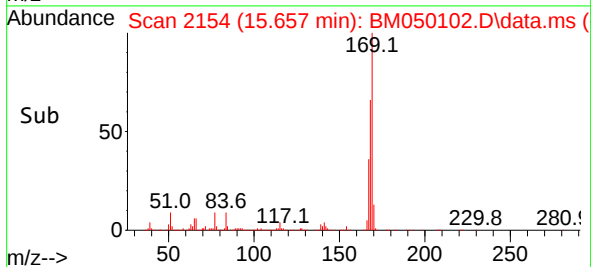
Tgt Ion:198 Resp: 358709
Ion Ratio Lower Upper
198 100
51 29.0 10.4 50.4
105 31.6 14.6 54.6

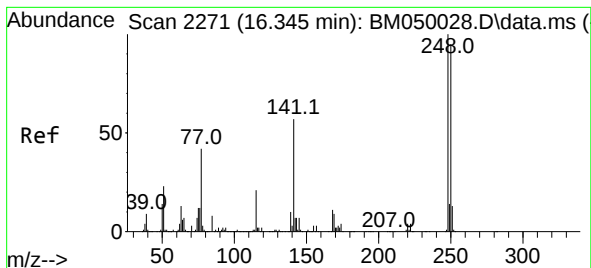


#66
n-Nitrosodiphenylamine
Concen: 43.910 ng
RT: 15.657 min Scan# 2154
Delta R.T. -0.012 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00



Tgt Ion:169 Resp: 1772627
Ion Ratio Lower Upper
169 100
168 66.1 53.4 80.2
167 35.8 29.4 44.0

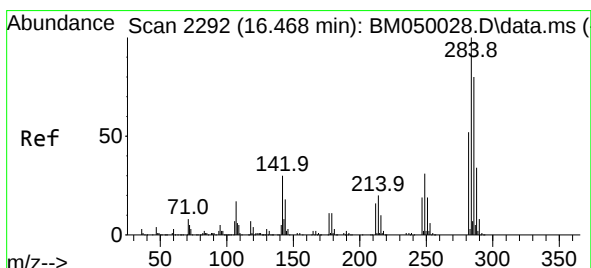
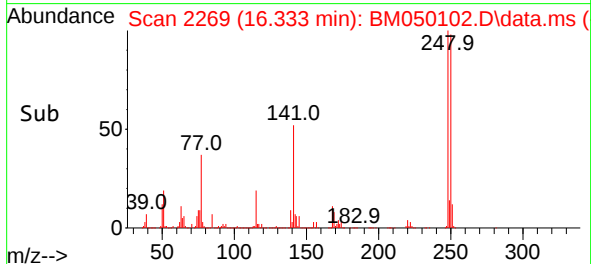
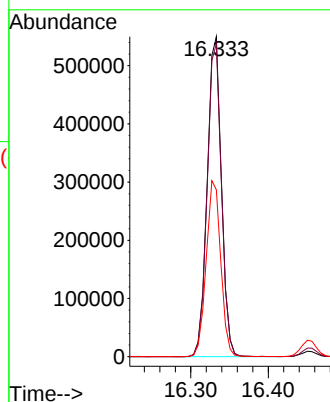
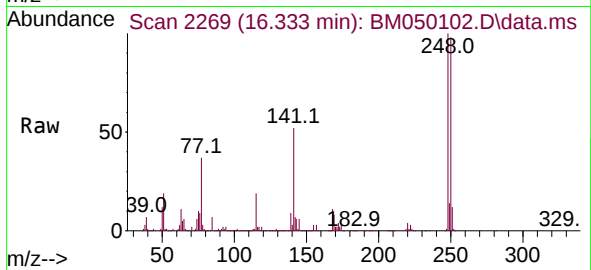




#67
4-Bromophenyl-phenylether
Concen: 44.053 ng
RT: 16.333 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

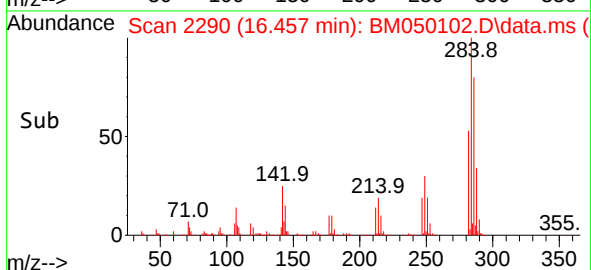
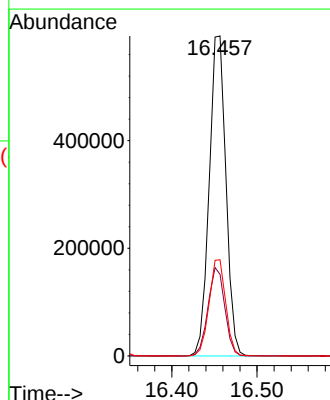
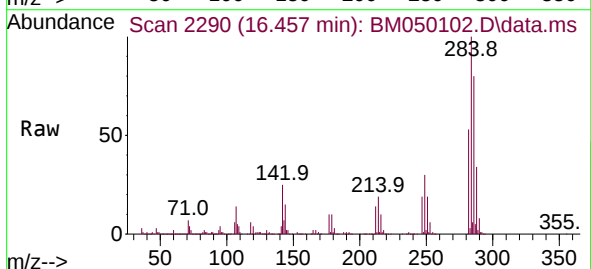
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

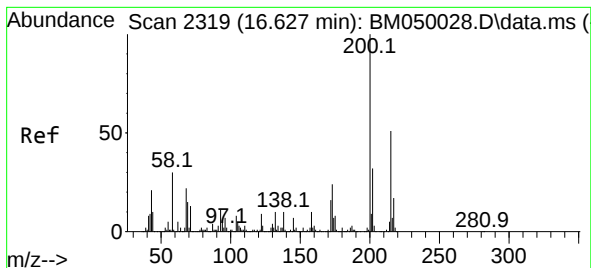
Tgt Ion:248 Resp: 700350
Ion Ratio Lower Upper
248 100
250 97.8 76.2 114.2
141 52.2 45.9 68.9



#68
Hexachlorobenzene
Concen: 44.321 ng
RT: 16.457 min Scan# 2290
Delta R.T. -0.012 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:284 Resp: 812209
Ion Ratio Lower Upper
284 100
142 25.5 23.9 35.9
249 30.0 24.5 36.7





#69

Atrazine

Concen: 44.172 ng

RT: 16.609 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM050102.D

Acq: 05 May 2025 17:00

Instrument :

BNA_M

ClientSampleId :

LARGE-PILE-CMSD

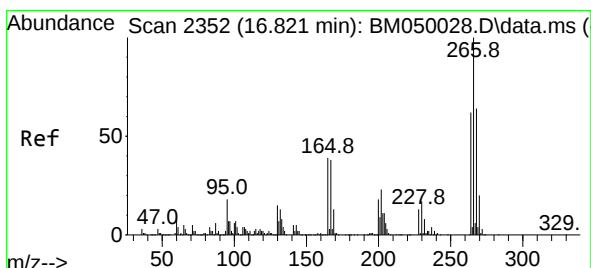
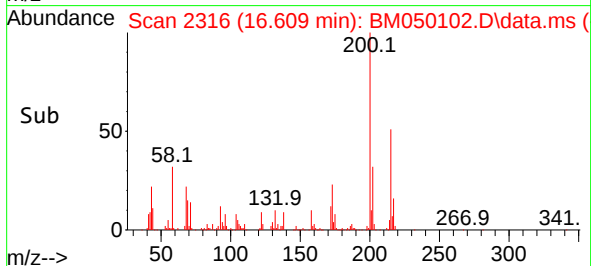
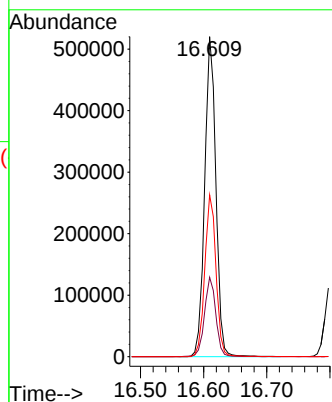
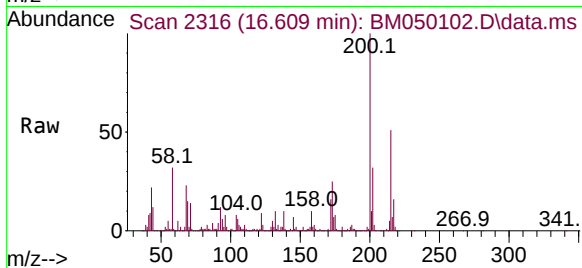
Tgt Ion:200 Resp: 643224

Ion Ratio Lower Upper

200 100

173 24.8 4.3 44.3

215 50.5 30.6 70.6



#70

Pentachlorophenol

Concen: 102.532 ng

RT: 16.804 min Scan# 2349

Delta R.T. -0.017 min

Lab File: BM050102.D

Acq: 05 May 2025 17:00

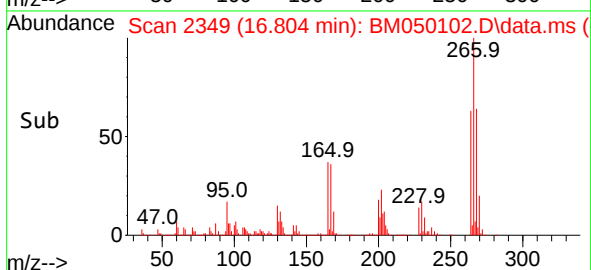
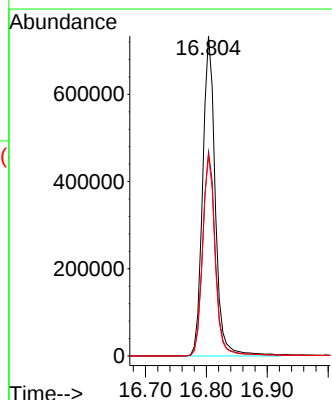
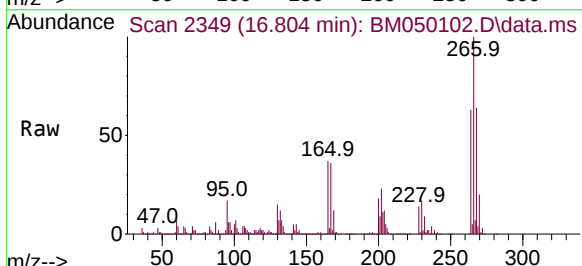
Tgt Ion:266 Resp: 1057643

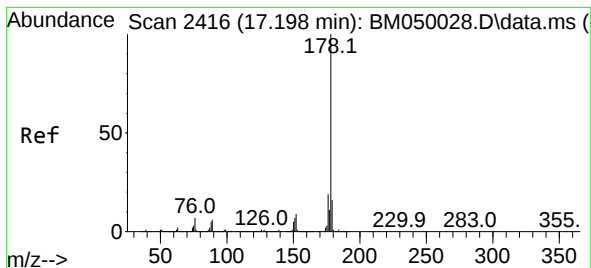
Ion Ratio Lower Upper

266 100

268 63.8 51.2 76.8

264 62.8 49.6 74.4





#71

Phenanthrene

Concen: 43.302 ng

RT: 17.186 min Scan# 2416

Delta R.T. -0.012 min

Lab File: BM050102.D

Acq: 05 May 2025 17:00

Instrument :

BNA_M

ClientSampleId :

LARGE-PILE-CMSD

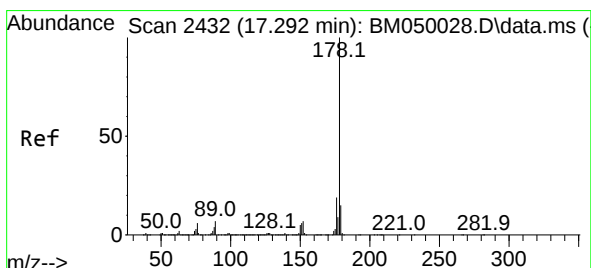
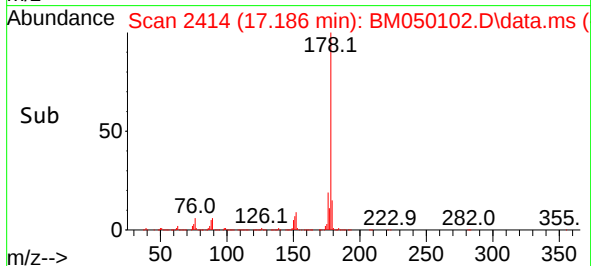
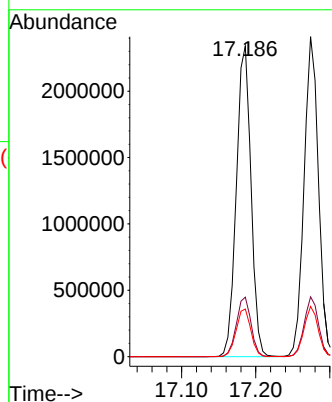
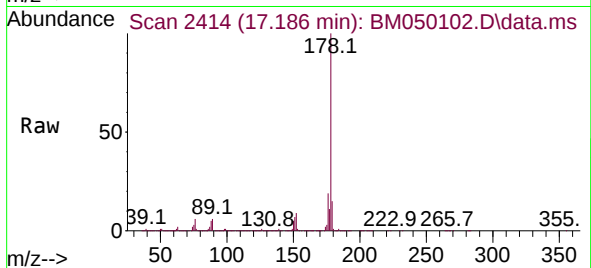
Tgt Ion:178 Resp: 3210759

Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

179 15.4 12.4 18.6



#72

Anthracene

Concen: 43.495 ng

RT: 17.274 min Scan# 2429

Delta R.T. -0.018 min

Lab File: BM050102.D

Acq: 05 May 2025 17:00

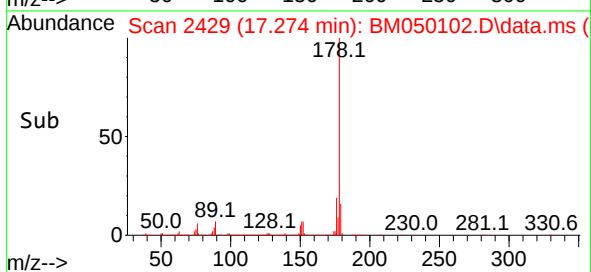
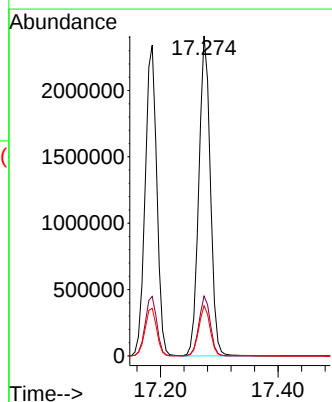
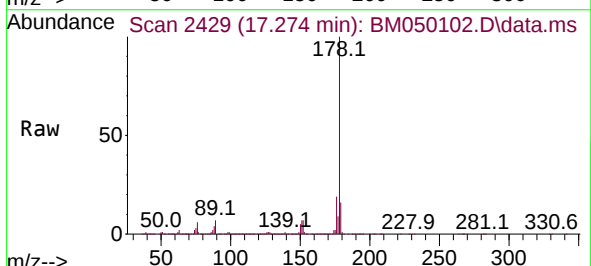
Tgt Ion:178 Resp: 3263741

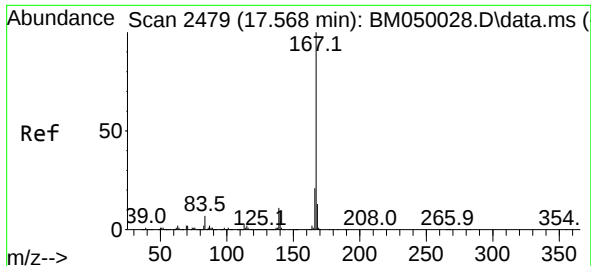
Ion Ratio Lower Upper

178 100

176 18.7 15.0 22.4

179 15.7 12.2 18.4

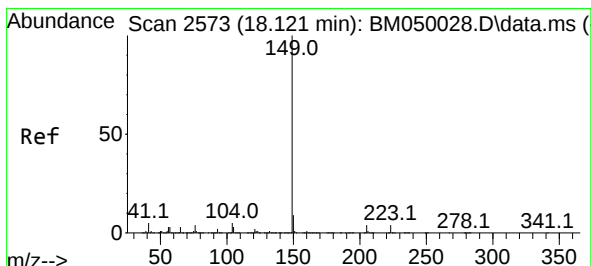
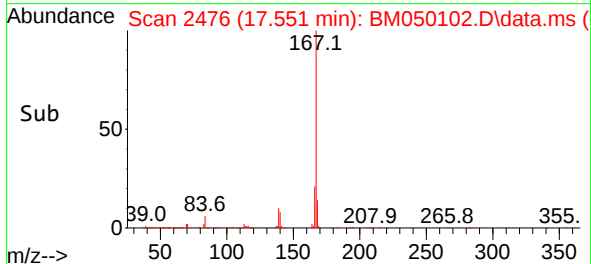
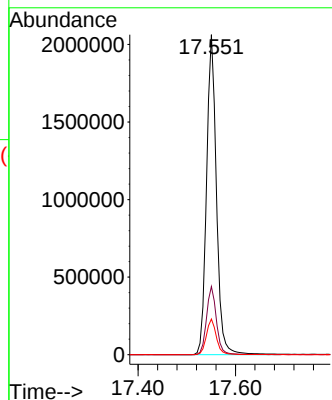
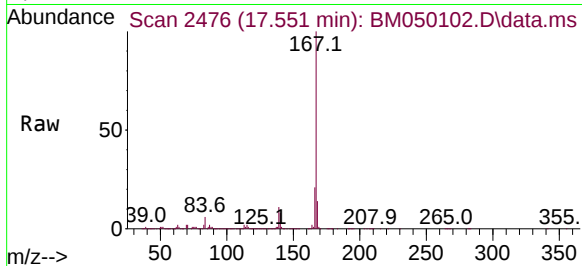




#73
 Carbazole
 Concen: 44.599 ng
 RT: 17.551 min Scan# 2479
 Delta R.T. -0.018 min
 Lab File: BM050102.D
 Acq: 05 May 2025 17:00

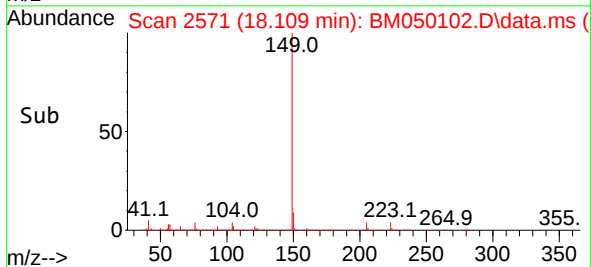
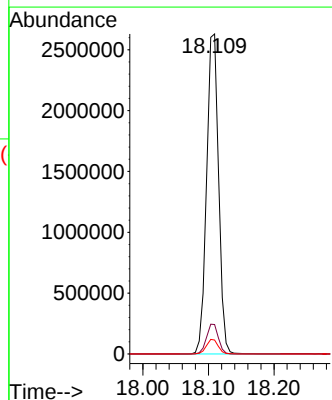
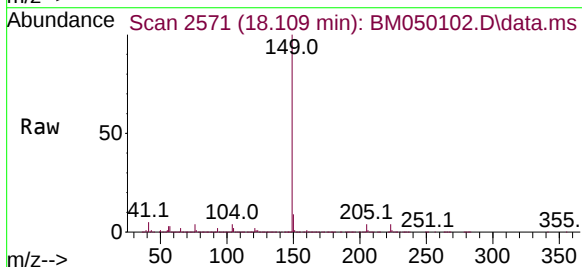
Instrument :
 BNA_M
 ClientSampleId :
 LARGE-PILE-CMSD

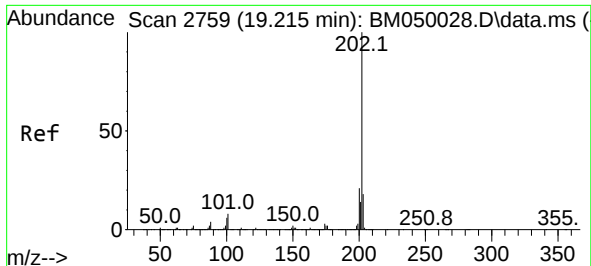
Tgt Ion:167 Resp: 2903966
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.2 25.8
 139 11.1 9.0 13.6



#74
 Di-n-butylphthalate
 Concen: 43.180 ng
 RT: 18.109 min Scan# 2571
 Delta R.T. -0.012 min
 Lab File: BM050102.D
 Acq: 05 May 2025 17:00

Tgt Ion:149 Resp: 3348299
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.3 10.9
 104 4.3 3.8 5.6

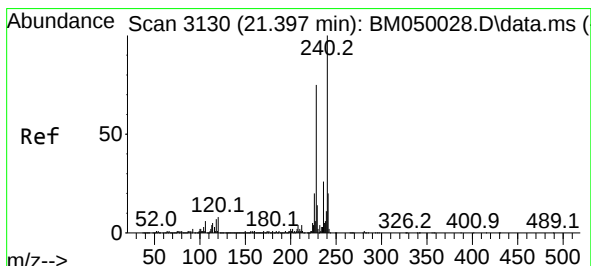
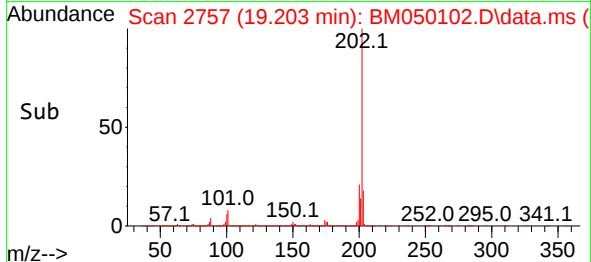
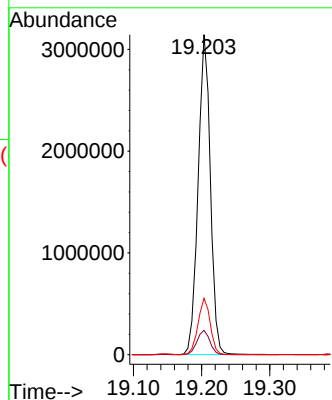
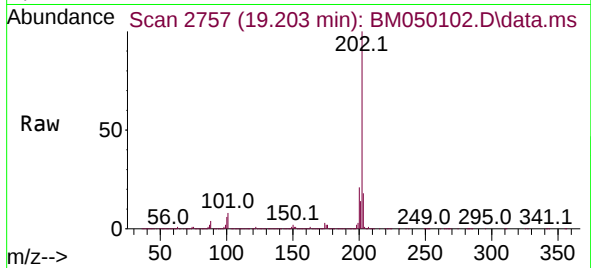




#75
Fluoranthene
Concen: 45.010 ng
RT: 19.203 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

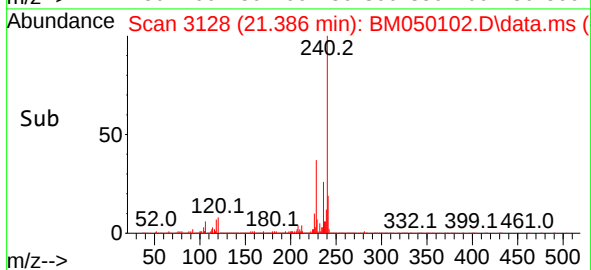
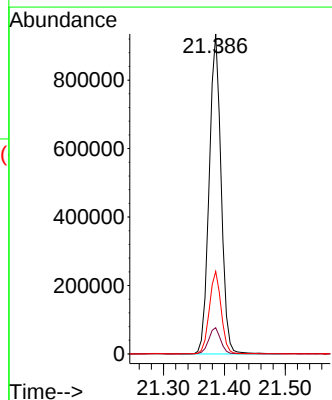
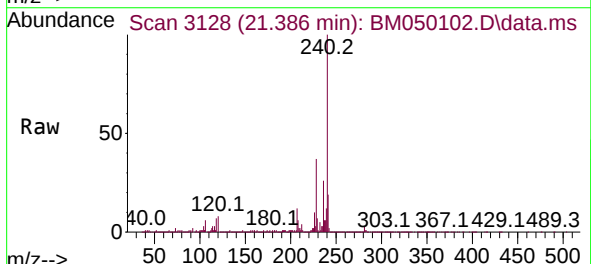
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

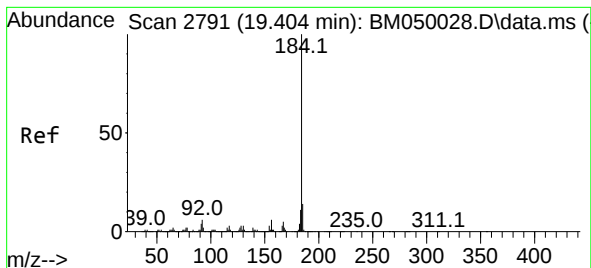
Tgt Ion:202 Resp: 3918338
Ion Ratio Lower Upper
202 100
101 7.6 0.0 28.0
203 17.6 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3128
Delta R.T. -0.011 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:240 Resp: 1271557
Ion Ratio Lower Upper
240 100
120 8.2 6.5 9.7
236 25.8 20.9 31.3





#77

Benzidine

Concen: 46.358 ng

RT: 19.392 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050102.D

Acq: 05 May 2025 17:00

Instrument :

BNA_M

ClientSampleId :

LARGE-PILE-CMSD

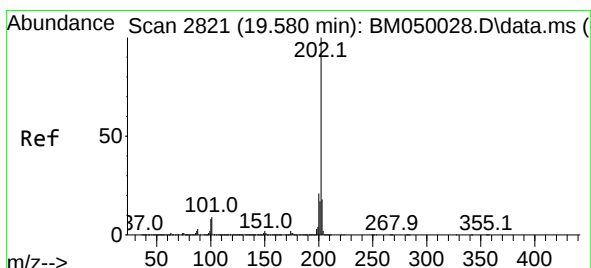
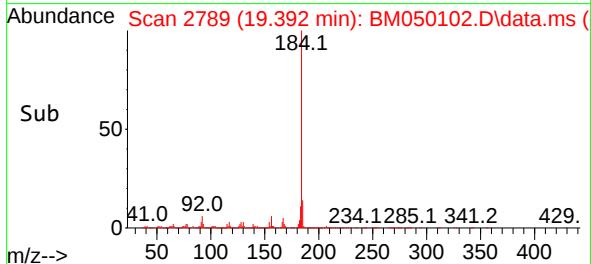
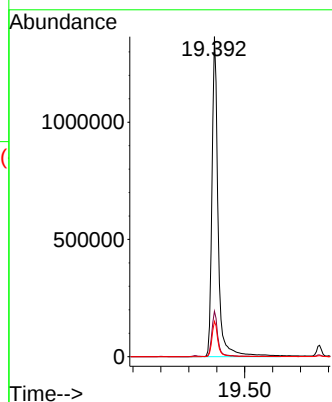
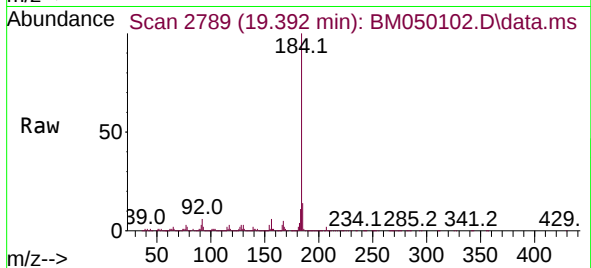
Tgt Ion:184 Resp: 2093846

Ion Ratio Lower Upper

184 100

185 14.2 11.5 17.3

183 11.1 8.9 13.3



#78

Pyrene

Concen: 44.773 ng

RT: 19.568 min Scan# 2819

Delta R.T. -0.012 min

Lab File: BM050102.D

Acq: 05 May 2025 17:00

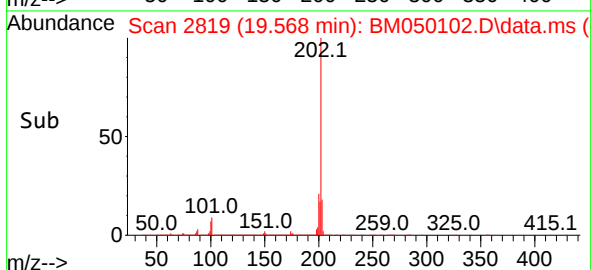
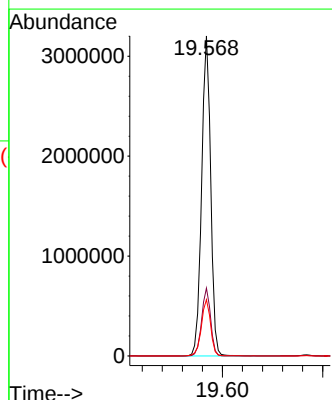
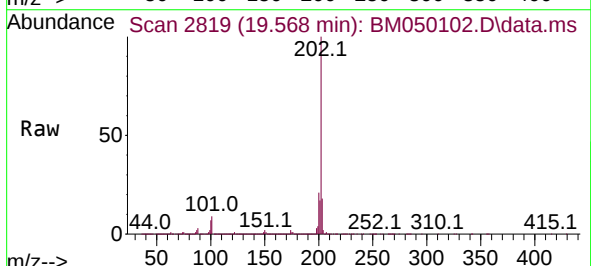
Tgt Ion:202 Resp: 3997921

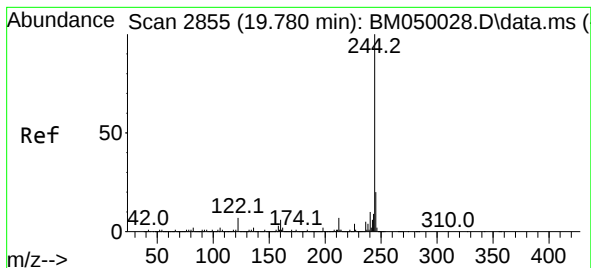
Ion Ratio Lower Upper

202 100

200 21.2 16.7 25.1

203 17.6 14.1 21.1





#79

Terphenyl-d14

Concen: 47.049 ng

RT: 19.768 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050102.D

Acq: 05 May 2025 17:00

Instrument :

BNA_M

ClientSampleId :

LARGE-PILE-CMSD

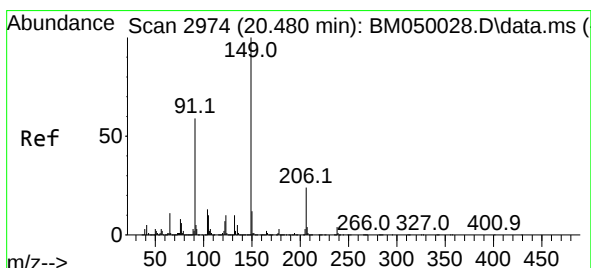
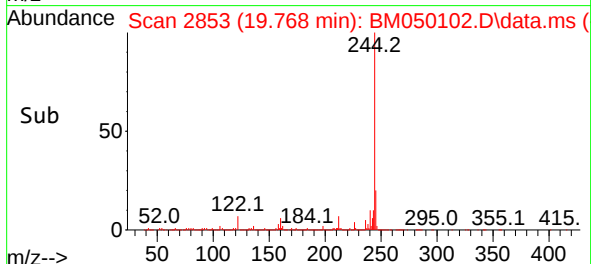
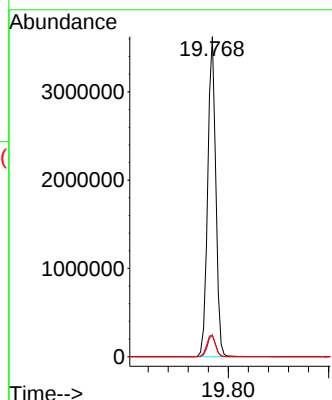
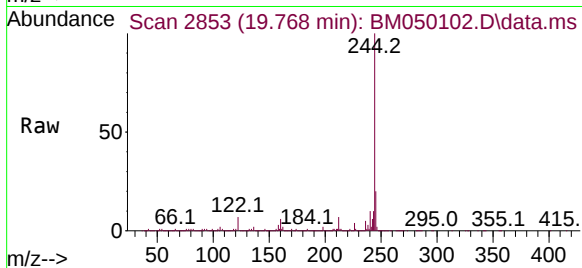
Tgt Ion:244 Resp: 4042956

Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

122 6.7 5.6 8.4



#80

Butylbenzylphthalate

Concen: 44.311 ng

RT: 20.462 min Scan# 2971

Delta R.T. -0.018 min

Lab File: BM050102.D

Acq: 05 May 2025 17:00

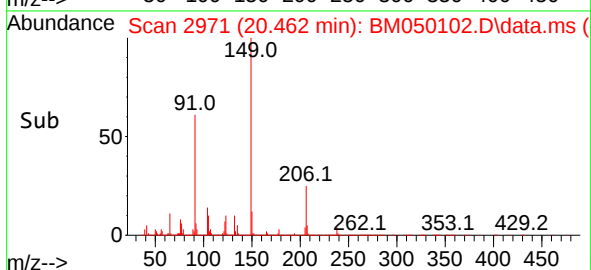
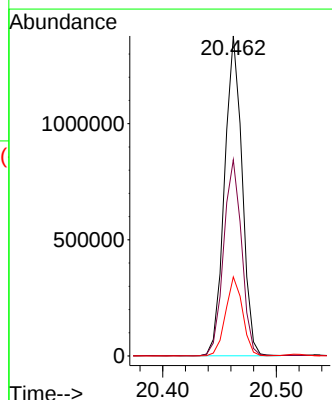
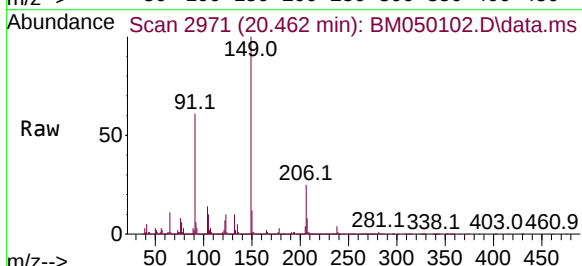
Tgt Ion:149 Resp: 1481929

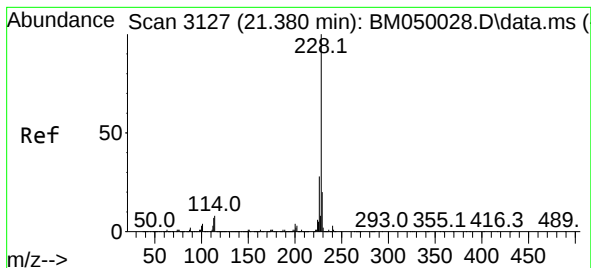
Ion Ratio Lower Upper

149 100

91 61.3 47.4 71.2

206 24.7 19.4 29.0





#81

Benzo(a)anthracene

Concen: 43.747 ng

RT: 21.368 min Scan# 3125

Delta R.T. -0.012 min

Lab File: BM050102.D

Acq: 05 May 2025 17:00

Instrument :

BNA_M

ClientSampleId :

LARGE-PILE-CMSD

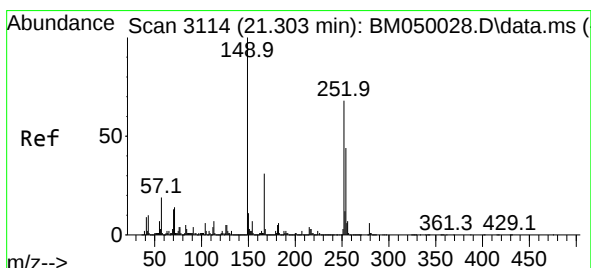
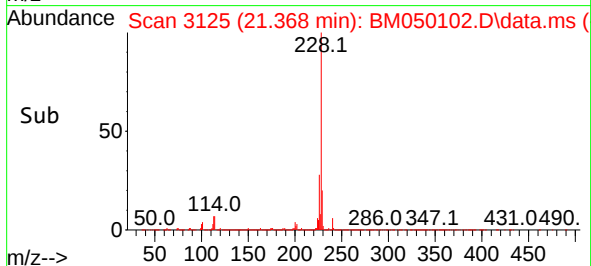
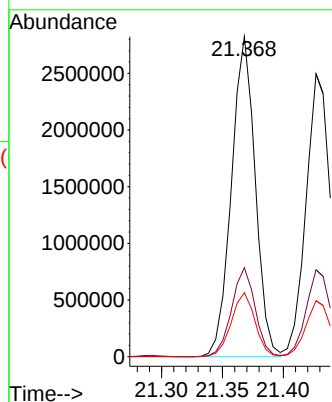
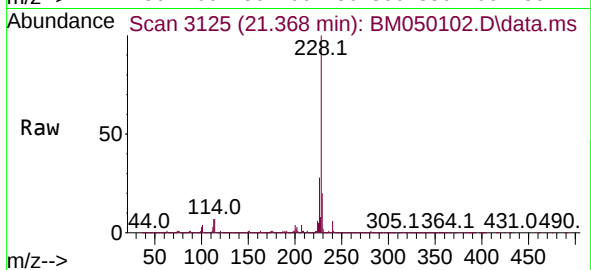
Tgt Ion:228 Resp: 3830639

Ion Ratio Lower Upper

228 100

226 27.8 22.1 33.1

229 20.0 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 25.539 ng

RT: 21.291 min Scan# 3112

Delta R.T. -0.012 min

Lab File: BM050102.D

Acq: 05 May 2025 17:00

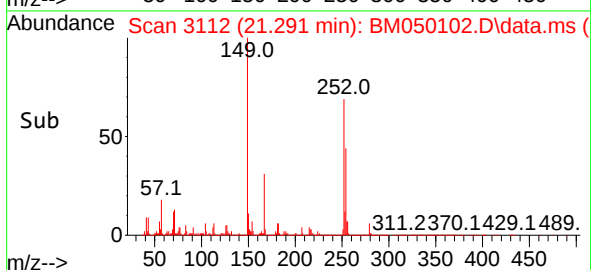
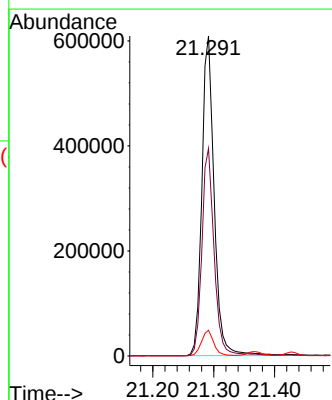
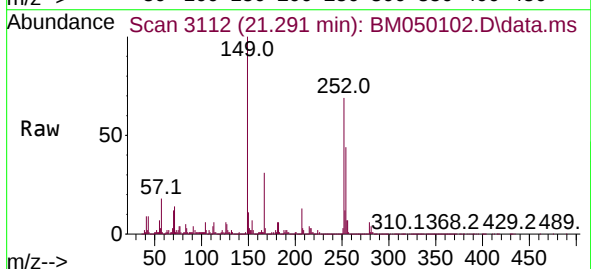
Tgt Ion:252 Resp: 856060

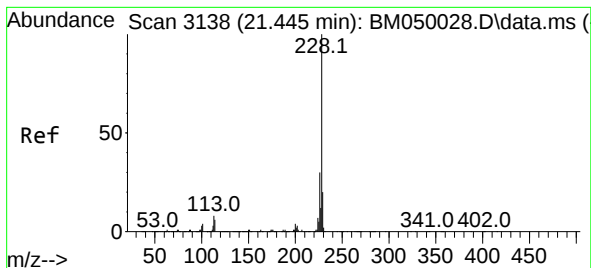
Ion Ratio Lower Upper

252 100

254 64.8 51.8 77.6

126 8.0 6.0 9.0





#83

Chrysene

Concen: 43.169 ng

RT: 21.427 min Scan# 3110

Delta R.T. -0.018 min

Lab File: BM050102.D

Acq: 05 May 2025 17:00

Instrument :

BNA_M

ClientSampleId :

LARGE-PILE-CMSD

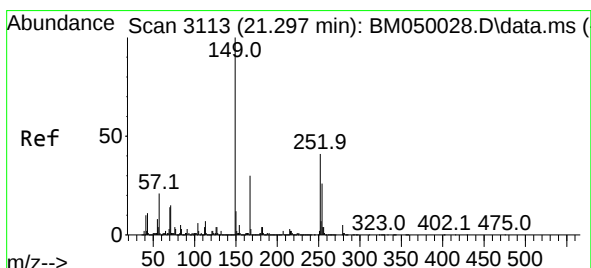
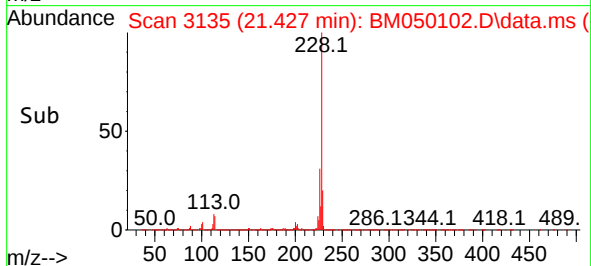
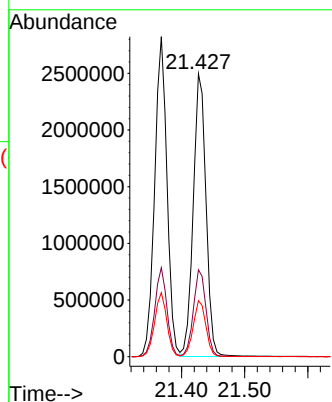
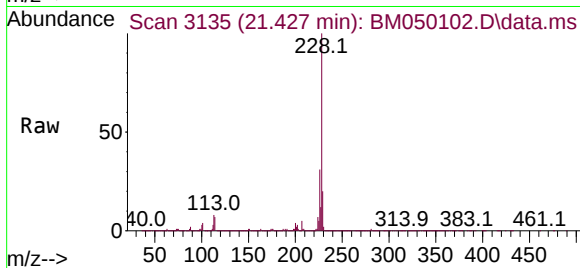
Tgt Ion:228 Resp: 3498440

Ion Ratio Lower Upper

228 100

226 30.7 24.2 36.2

229 19.8 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.631 ng

RT: 21.280 min Scan# 3110

Delta R.T. -0.018 min

Lab File: BM050102.D

Acq: 05 May 2025 17:00

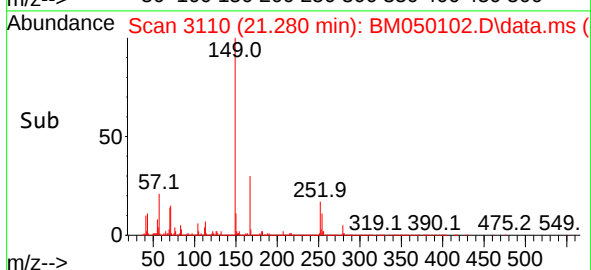
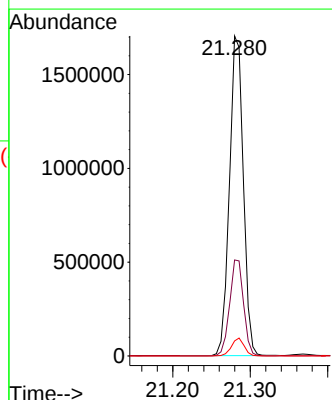
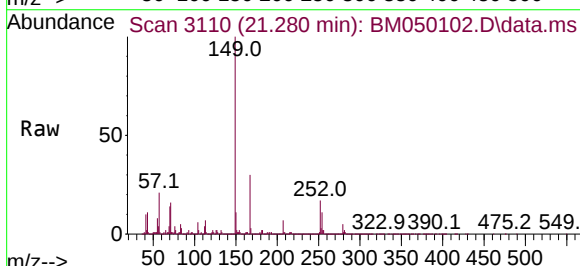
Tgt Ion:149 Resp: 2129576

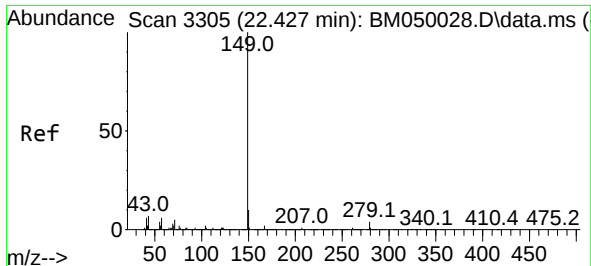
Ion Ratio Lower Upper

149 100

167 30.0 24.1 36.1

279 4.7 3.9 5.9

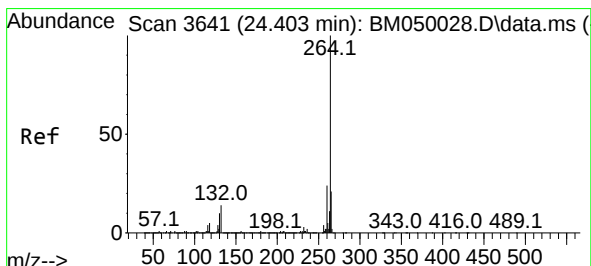
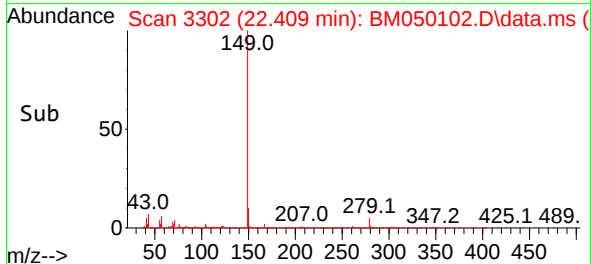
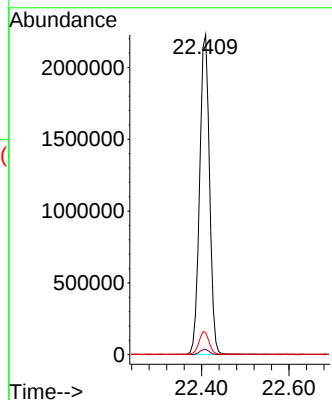
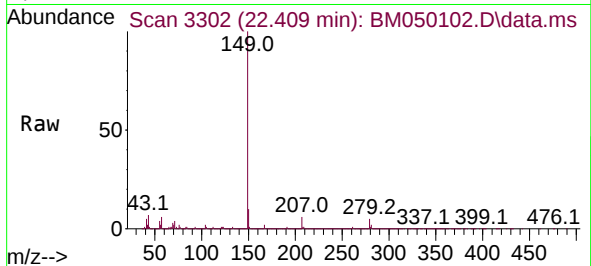




#85
Di-n-octyl phthalate
Concen: 42.493 ng
RT: 22.409 min Scan# 31
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

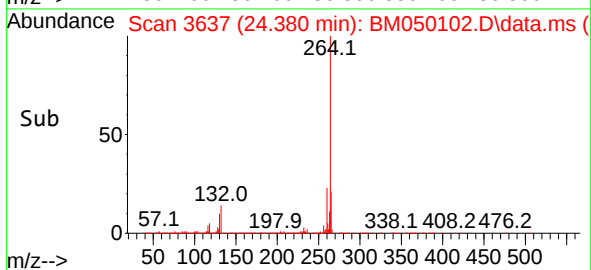
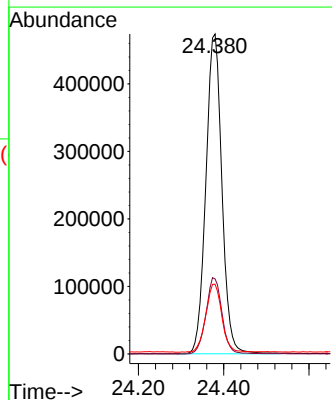
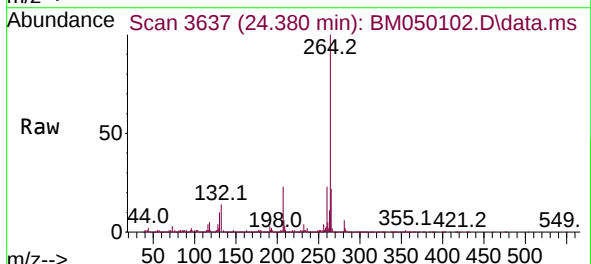
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

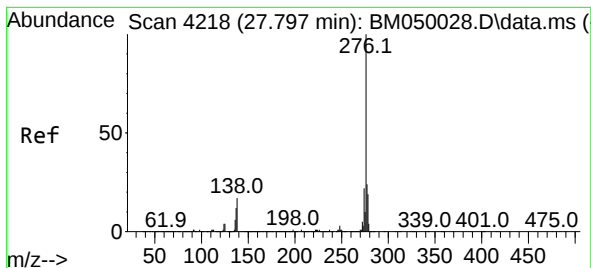
Tgt Ion:149 Resp: 3500630
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 7.1 5.8 8.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.380 min Scan# 3637
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:264 Resp: 1236921
Ion Ratio Lower Upper
264 100
260 23.4 18.8 28.2
265 21.8 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 45.499 ng

RT: 27.768 min Scan# 41

Delta R.T. -0.030 min

Lab File: BM050102.D

Acq: 05 May 2025 17:00

Instrument :

BNA_M

ClientSampleId :

LARGE-PILE-CMSD

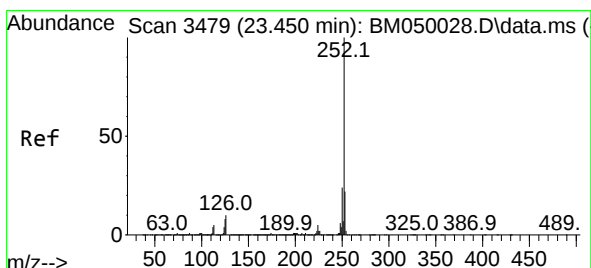
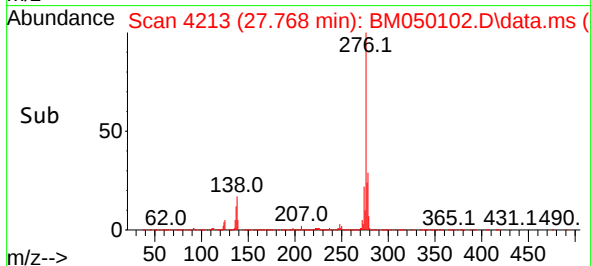
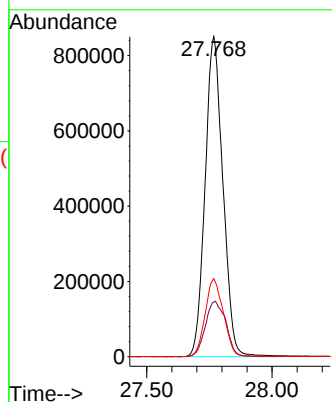
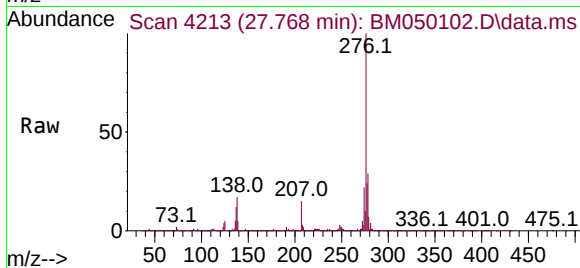
Tgt Ion:276 Resp: 4193498

Ion Ratio Lower Upper

276 100

138 19.9 16.4 24.6

277 24.9 19.8 29.8



#88

Benzo(b)fluoranthene

Concen: 43.939 ng

RT: 23.433 min Scan# 3476

Delta R.T. -0.018 min

Lab File: BM050102.D

Acq: 05 May 2025 17:00

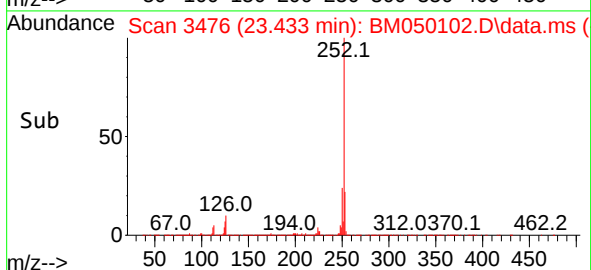
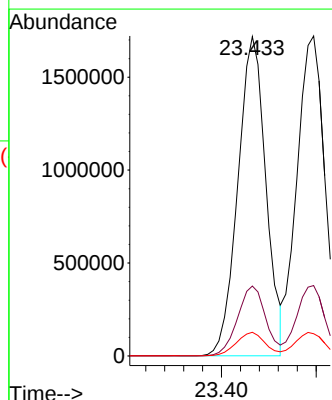
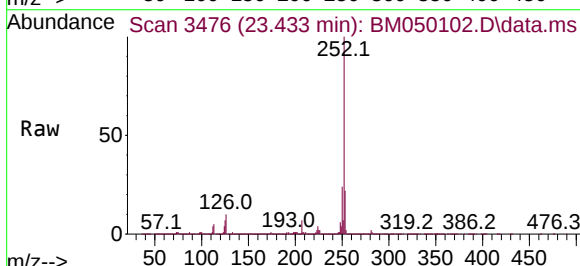
Tgt Ion:252 Resp: 3534464

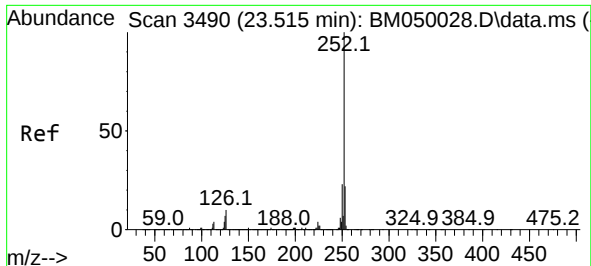
Ion Ratio Lower Upper

252 100

253 21.9 17.7 26.5

125 7.4 6.1 9.1

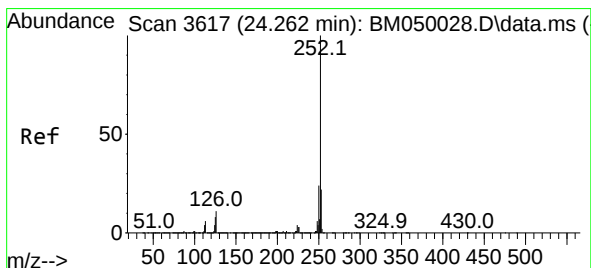
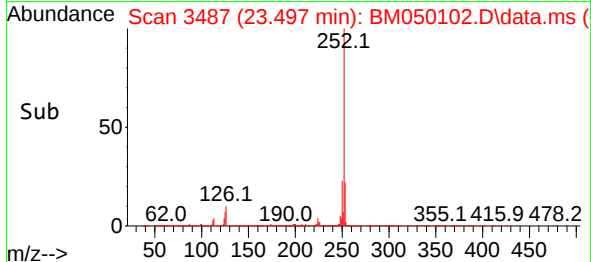
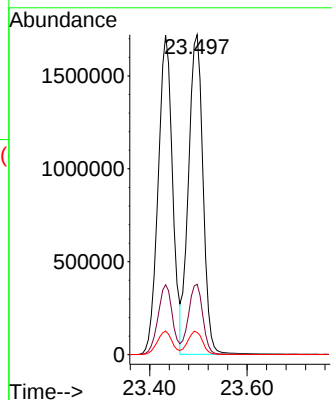
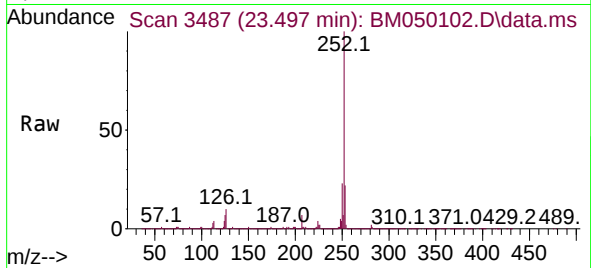




#89
Benzo(k)fluoranthene
Concen: 43.632 ng
RT: 23.497 min Scan# 34
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

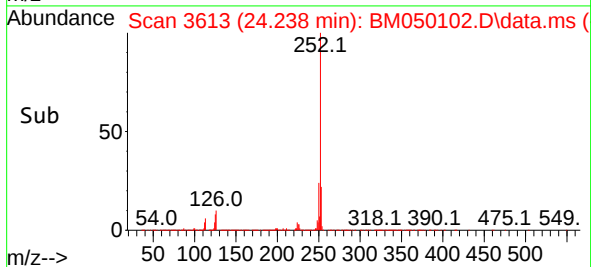
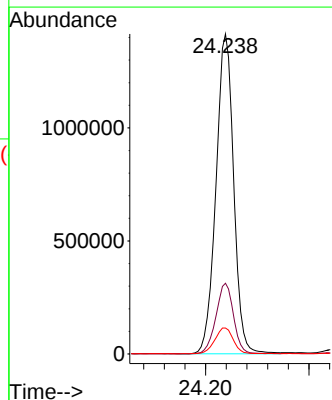
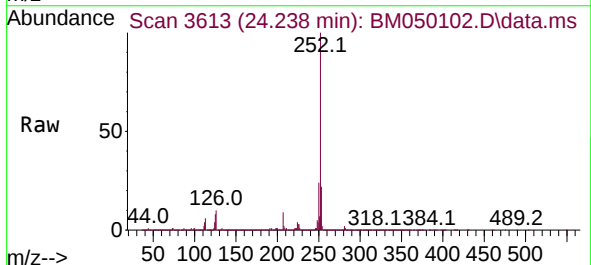
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

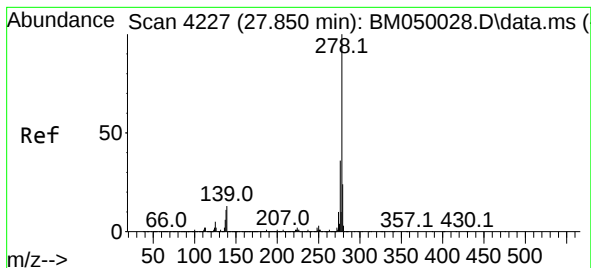
Tgt Ion:252 Resp: 3550274
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.2
125 7.0 5.8 8.8



#90
Benzo(a)pyrene
Concen: 44.556 ng
RT: 24.238 min Scan# 3613
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:252 Resp: 3356901
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.0
125 8.1 6.6 9.8





#91

Dibenzo(a,h)anthracene

Concen: 45.605 ng

RT: 27.809 min Scan# 41

Delta R.T. -0.041 min

Lab File: BM050102.D

Acq: 05 May 2025 17:00

Instrument :

BNA_M

ClientSampleId :

LARGE-PILE-CMSD

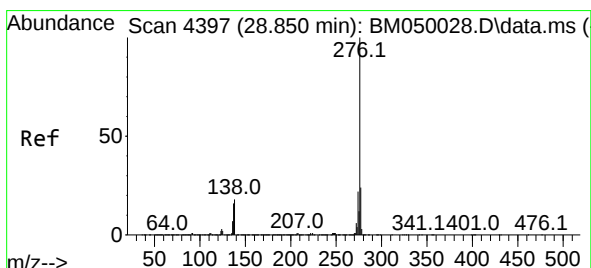
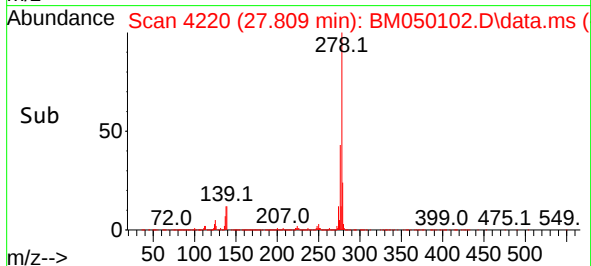
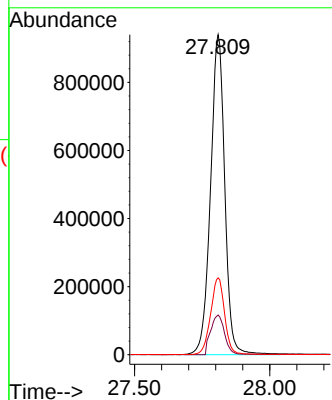
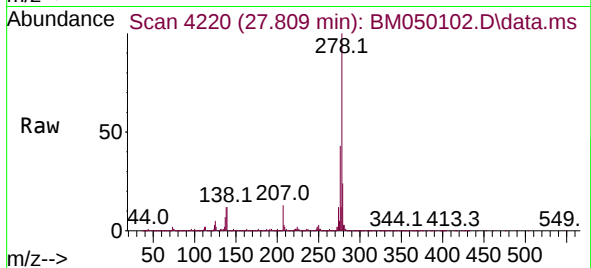
Tgt Ion:278 Resp: 3426344

Ion Ratio Lower Upper

278 100

139 12.4 10.5 15.7

279 24.0 19.4 29.0



#92

Benzo(g,h,i)perylene

Concen: 44.663 ng

RT: 28.815 min Scan# 4391

Delta R.T. -0.035 min

Lab File: BM050102.D

Acq: 05 May 2025 17:00

Tgt Ion:276 Resp: 3212498

Ion Ratio Lower Upper

276 100

277 23.9 19.1 28.7

138 17.6 14.3 21.5

