

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040125\
 Data File : BM049769.D
 Acq On : 01 Apr 2025 11:36
 Operator : RC/JU
 Sample : PB167400BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB167400BS

Quant Time: Apr 01 12:18:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 13 14:55:34 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.793	152	372571	20.000	ng	-0.01
21) Naphthalene-d8	10.587	136	1374712	20.000	ng	-0.02
39) Acenaphthene-d10	14.433	164	870727	20.000	ng	-0.01
64) Phenanthrene-d10	17.174	188	1504264	20.000	ng	-0.01
76) Chrysene-d12	21.409	240	1032236	20.000	ng	-0.02
86) Perylene-d12	24.409	264	806129	20.000	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	3815465	172.797	ng	0.00
7) Phenol-d6	6.975	99	4710559	169.995	ng	0.00
23) Nitrobenzene-d5	8.951	82	2715728	101.425	ng	-0.01
42) 2,4,6-Tribromophenol	15.927	330	1934500	190.263	ng	0.00
45) 2-Fluorobiphenyl	13.063	172	7310185	105.143	ng	0.00
79) Terphenyl-d14	19.798	244	8687581	141.824	ng	-0.01

Target Compounds					Qvalue
2) 1,4-Dioxane	3.275	88	362859	37.962	ng 99
3) Pyridine	3.675	79	1046876	42.885	ng 96
4) n-Nitrosodimethylamine	3.581	42	540014	49.996	ng 97
6) Aniline	7.122	93	879731	37.895	ng 99
8) 2-Chlorophenol	7.363	128	1222403	55.905	ng 99
9) Benzaldehyde	6.928	77	750097	54.757	ng 98
10) Phenol	6.999	94	1585190	58.998	ng 98
11) bis(2-Chloroethyl)ether	7.216	93	1176286	54.062	ng 97
12) 1,3-Dichlorobenzene	7.687	146	1385892	52.154	ng 99
13) 1,4-Dichlorobenzene	7.828	146	1414446	52.762	ng 97
14) 1,2-Dichlorobenzene	8.146	146	1347833	52.903	ng 99
15) Benzyl Alcohol	8.040	79	1002302	57.639	ng 97
16) 2,2'-oxybis(1-Chloropr...	8.322	45	1490196	58.273	ng 97
17) 2-Methylphenol	8.246	107	980694	61.478	ng 99
18) Hexachloroethane	8.875	117	499592	52.772	ng 97
19) n-Nitroso-di-n-propyla...	8.610	70	973998	60.618	ng 98
20) 3+4-Methylphenols	8.569	107	1314784	61.503	ng 97
22) Acetophenone	8.616	105	1856573	52.377	ng # 98
24) Nitrobenzene	8.993	77	1298639	51.436	ng 99
25) Isophorone	9.528	82	2357881	57.355	ng 100
26) 2-Nitrophenol	9.704	139	573126	53.334	ng 98
27) 2,4-Dimethylphenol	9.775	122	1088502	79.579	ng 98
28) bis(2-Chloroethoxy)met...	10.004	93	1557545	53.792	ng 99
29) 2,4-Dichlorophenol	10.240	162	1233528	55.344	ng 98
30) 1,2,4-Trichlorobenzene	10.451	180	1436871	51.527	ng 99
31) Naphthalene	10.640	128	3598857	50.912	ng 99
32) Benzoic acid	9.934	122	590976	50.802	ng 98
33) 4-Chloroaniline	10.745	127	192940	7.998	ng 97
34) Hexachlorobutadiene	10.934	225	888796	51.630	ng 99
35) Caprolactam	11.539	113	153197	29.605	ng 96
36) 4-Chloro-3-methylphenol	11.881	107	1058828	55.357	ng 100
37) 2-Methylnaphthalene	12.257	142	2388605	48.324	ng 99
38) 1-Methylnaphthalene	12.475	142	2525728	52.963	ng 99
40) 1,2,4,5-Tetrachloroben...	12.628	216	1829064	57.188	ng 98
41) Hexachlorocyclopentadiene	12.610	237	2819216	237.931	ng 98
43) 2,4,6-Trichlorophenol	12.869	196	1003851	56.041	ng 98

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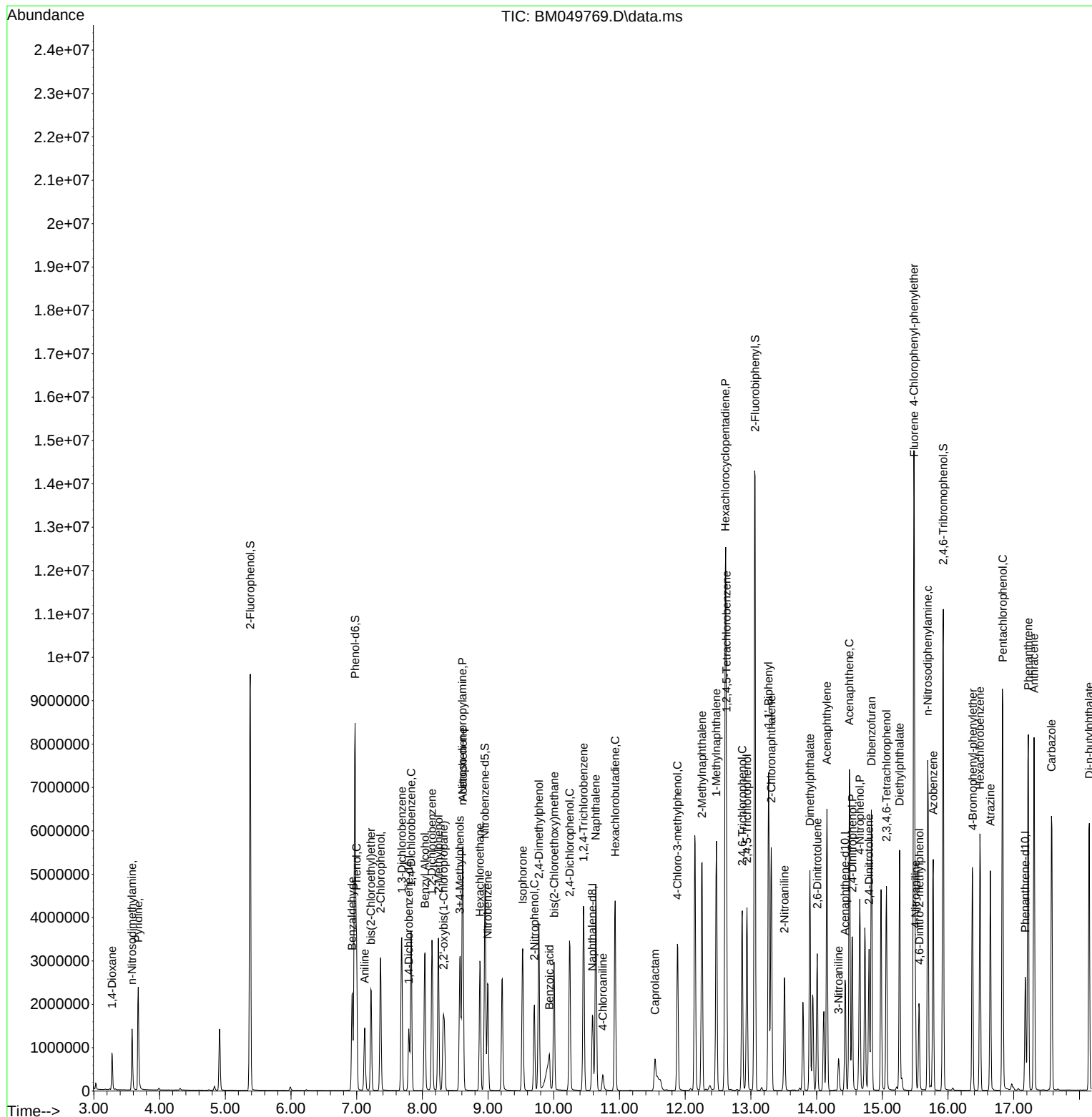
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.939	196	1077926	55.144	ng	99
46) 1,1'-Biphenyl	13.269	154	3538836	52.734	ng	100
47) 2-Chloronaphthalene	13.310	162	2742056	52.495	ng	99
48) 2-Nitroaniline	13.510	65	638148	54.422	ng	98
49) Acenaphthylene	14.157	152	4230749	57.946	ng	99
50) Dimethylphthalate	13.898	163	3132921	52.260	ng	100
51) 2,6-Dinitrotoluene	14.010	165	647036	53.866	ng	96
52) Acenaphthene	14.498	154	2531721	52.863	ng	99
53) 3-Nitroaniline	14.333	138	175565	15.359	ng	99
54) 2,4-Dinitrophenol	14.545	184	770357	94.063	ng	93
55) Dibenzofuran	14.833	168	3999087	50.112	ng	100
56) 4-Nitrophenol	14.657	139	1074527	107.994	ng	99
57) 2,4-Dinitrotoluene	14.798	165	875134	56.618	ng	99
58) Fluorene	15.486	166	3649258	56.165	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.063	232	879370	53.742	ng	99
60) Diethylphthalate	15.263	149	2932175	51.932	ng	100
61) 4-Chlorophenyl-phenyle...	15.480	204	2006438	56.552	ng	98
62) 4-Nitroaniline	15.504	138	571895	42.516	ng	96
63) Azobenzene	15.774	77	2863223	53.091	ng	99
65) 4,6-Dinitro-2-methylph...	15.563	198	448823	53.272	ng	99
66) n-Nitrosodiphenylamine	15.692	169	2737224	60.058	ng	99
67) 4-Bromophenyl-phenylether	16.374	248	1007589	58.015	ng	97
68) Hexachlorobenzene	16.486	284	1113744	57.026	ng	99
69) Atrazine	16.645	200	856274	85.250	ng	99
70) Pentachlorophenol	16.833	266	1573838	128.232	ng	98
71) Phenanthrene	17.221	178	4710906	56.399	ng	100
72) Anthracene	17.310	178	4759595	58.838	ng	100
73) Carbazole	17.574	167	3919599	53.503	ng	99
74) Di-n-butylphthalate	18.151	149	4313405	53.719	ng	100
75) Fluoranthene	19.233	202	4771391	49.617	ng	100
77) Benzidine	19.415	184	1148880	92.642	ng	100
78) Pyrene	19.592	202	4842028	67.140	ng	99
80) Butylbenzylphthalate	20.498	149	1334372	59.621	ng	98
81) Benzo(a)anthracene	21.392	228	3841507	55.717	ng	100
82) 3,3'-Dichlorobenzidine	21.315	252	410663	18.294	ng	98
83) Chrysene	21.456	228	3521837	53.886	ng	100
84) Bis(2-ethylhexyl)phtha...	21.321	149	1852182	53.102	ng	98
85) Di-n-octyl phthalate	22.462	149	2497893	46.076	ng	99
87) Indeno(1,2,3-cd)pyrene	27.803	276	3110662	53.612	ng	99
88) Benzo(b)fluoranthene	23.468	252	2911235	53.618	ng	99
89) Benzo(k)fluoranthene	23.527	252	2973965	55.665	ng	99
90) Benzo(a)pyrene	24.274	252	2713110	59.490	ng	99
91) Dibenzo(a,h)anthracene	27.862	278	2568105	53.125	ng	99
92) Benzo(g,h,i)perylene	28.856	276	2475637	50.842	ng	100

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

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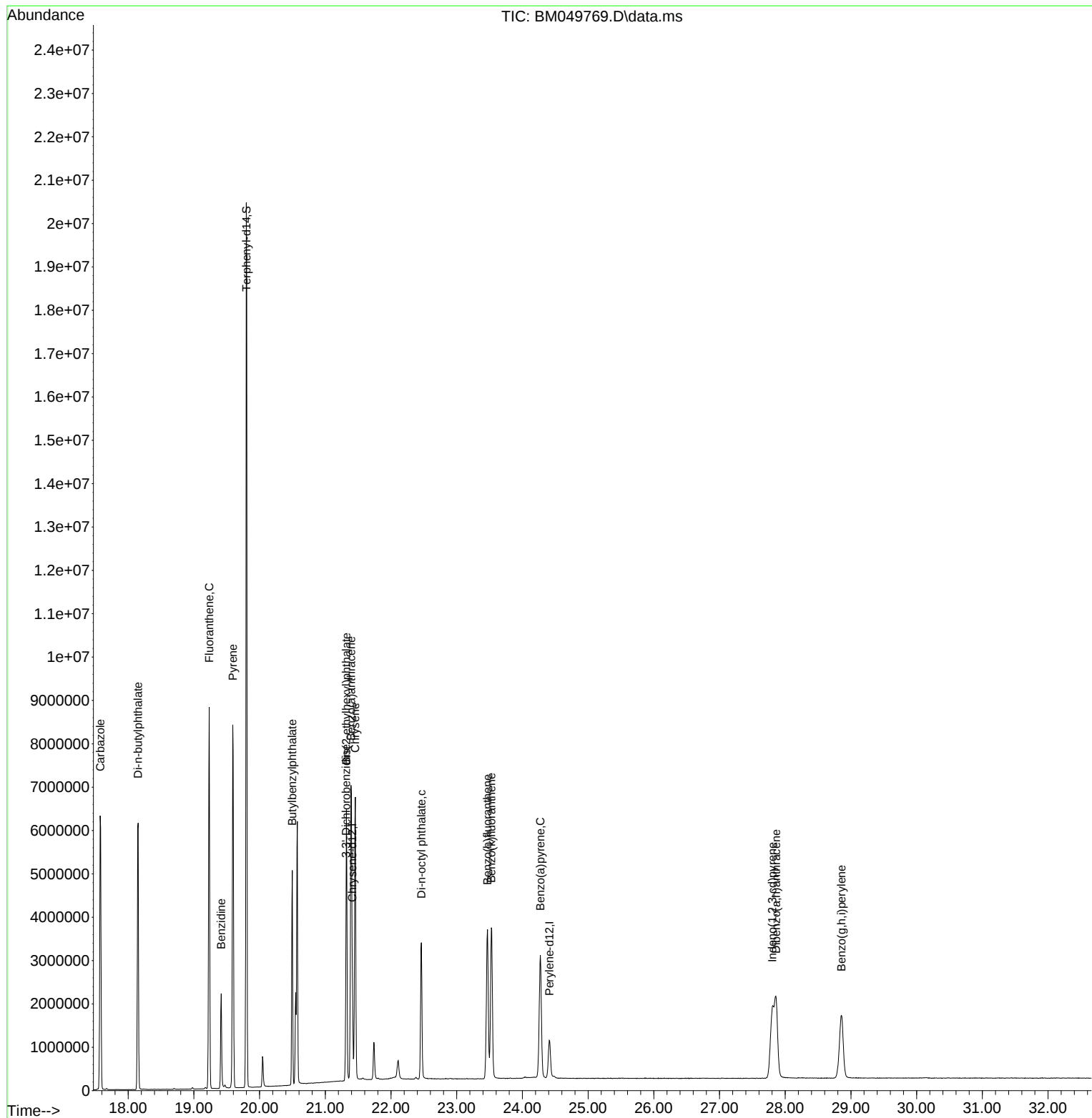
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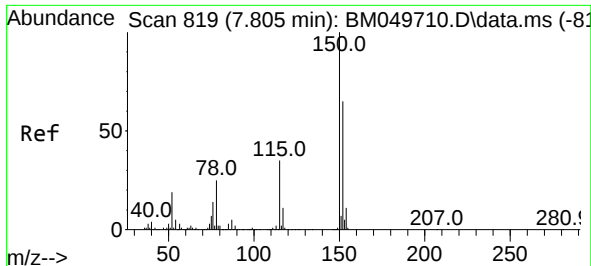


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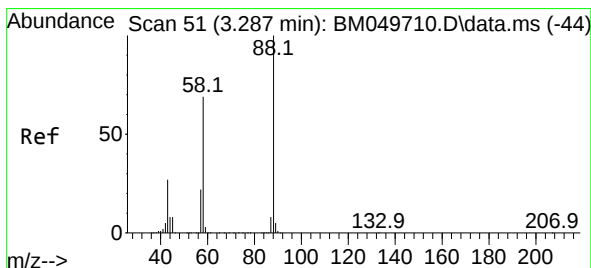
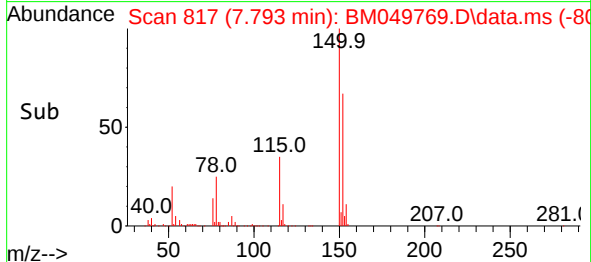
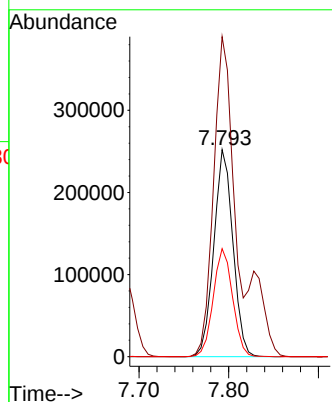
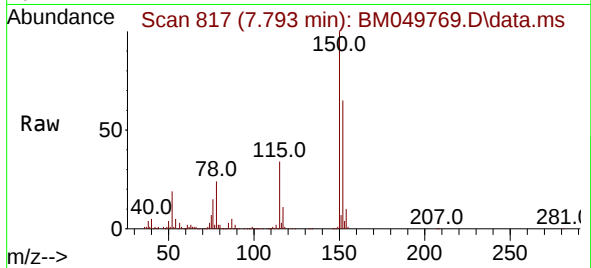




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.793 min Scan# 81
 Delta R.T. -0.012 min
 Lab File: BM049769.D
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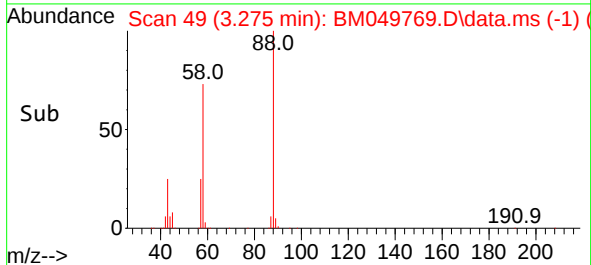
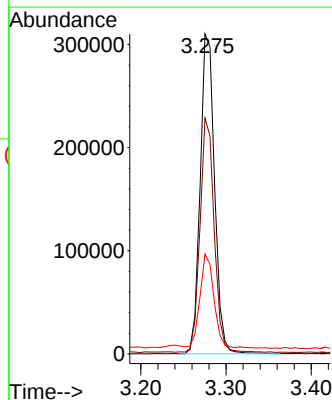
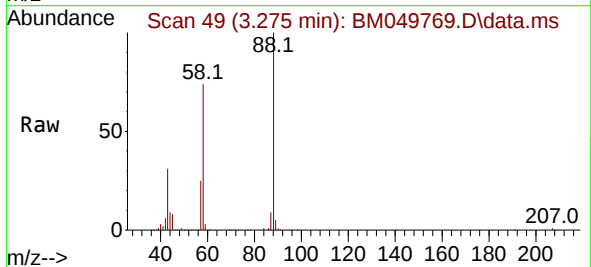
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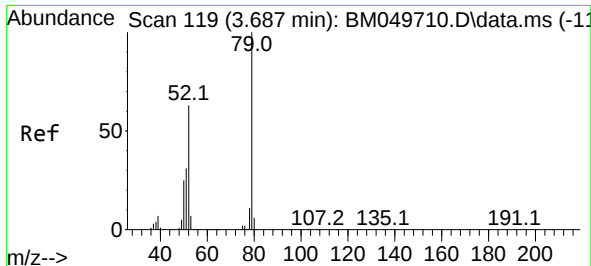
Tgt Ion:152 Resp: 372571
 Ion Ratio Lower Upper
 152 100
 150 154.5 123.8 185.8
 115 52.2 43.0 64.6



#2
 1,4-Dioxane
 Concen: 37.962 ng
 RT: 3.275 min Scan# 49
 Delta R.T. -0.012 min
 Lab File: BM049769.D
 Acq: 01 Apr 2025 11:36

Tgt Ion: 88 Resp: 362859
 Ion Ratio Lower Upper
 88 100
 58 72.2 56.7 85.1
 43 28.2 22.6 34.0

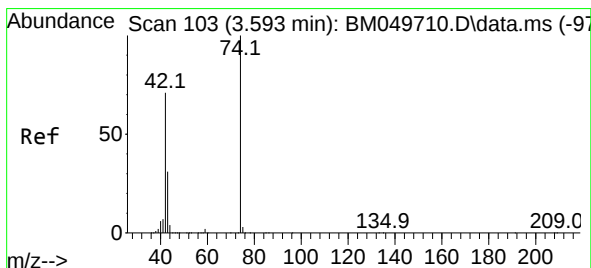
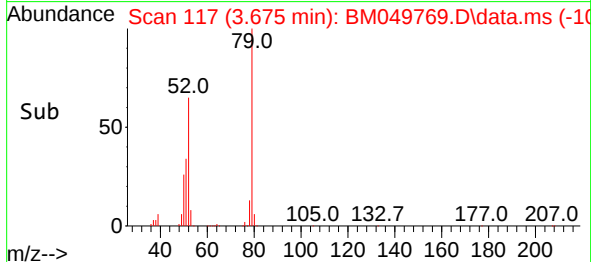
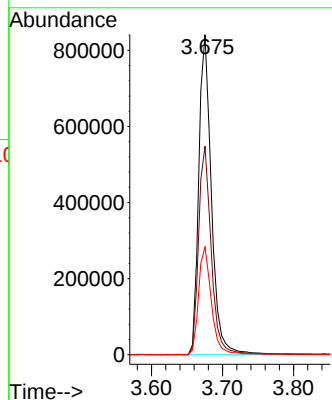
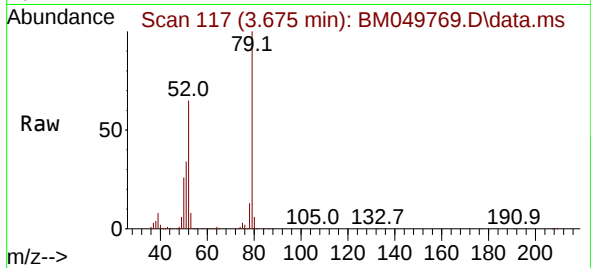




#3
Pyridine
Concen: 42.885 ng
RT: 3.675 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

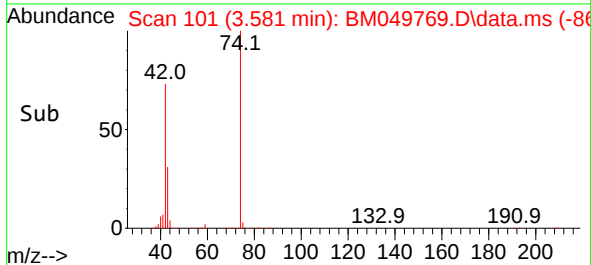
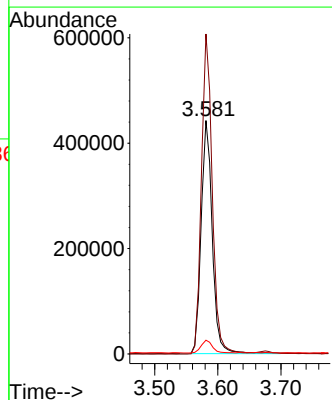
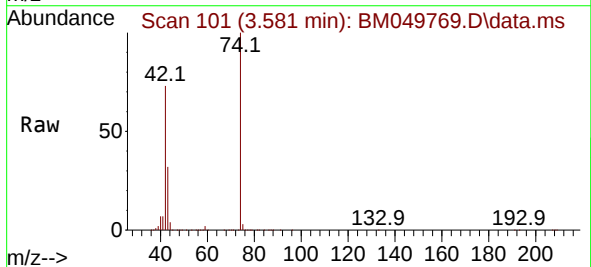
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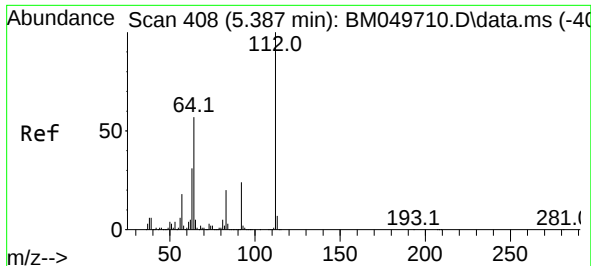
Tgt Ion: 79 Resp: 1046876
Ion Ratio Lower Upper
79 100
52 65.2 50.1 75.1
51 33.7 25.2 37.8



#4
n-Nitrosodimethylamine
Concen: 49.996 ng
RT: 3.581 min Scan# 101
Delta R.T. -0.012 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

Tgt Ion: 42 Resp: 540014
Ion Ratio Lower Upper
42 100
74 137.1 112.6 168.8
44 5.9 5.0 7.6

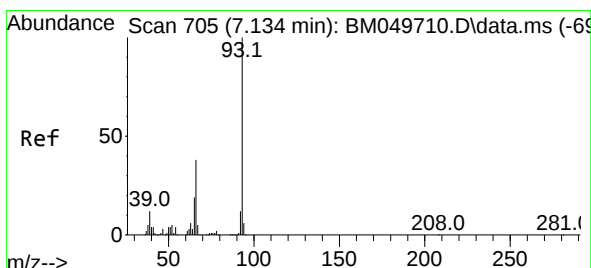
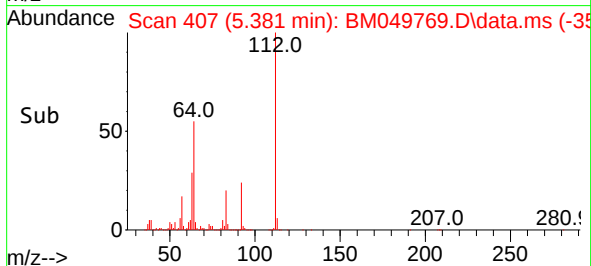
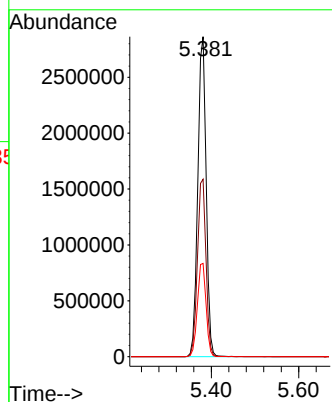
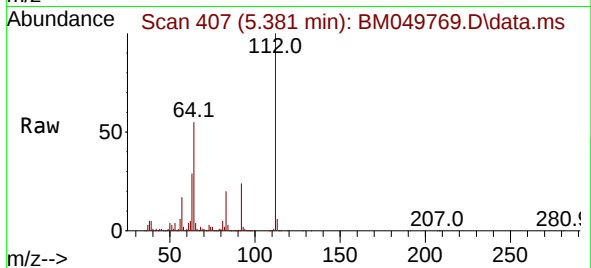




#5
2-Fluorophenol
Concen: 172.797 ng
RT: 5.381 min Scan# 408
Delta R.T. -0.006 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

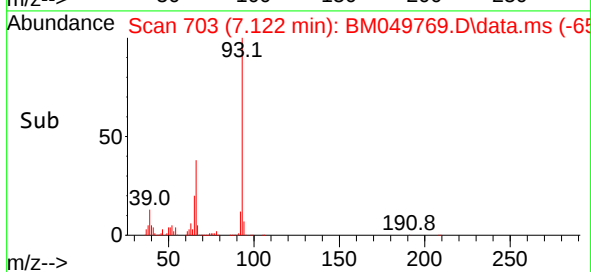
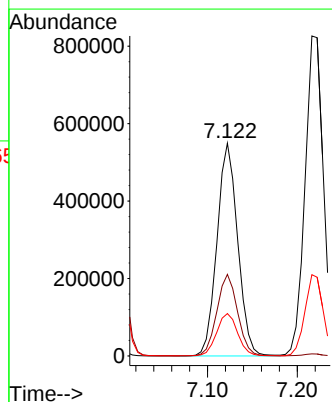
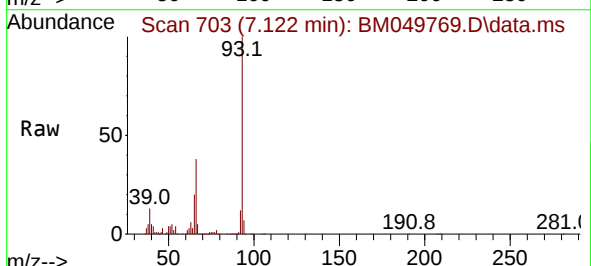
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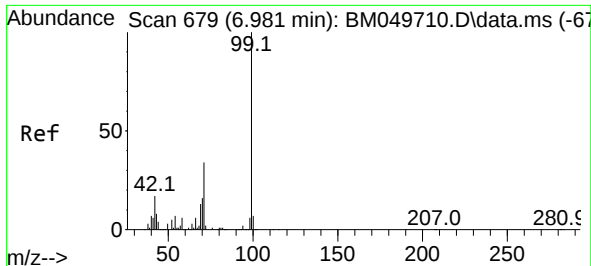
Tgt Ion:112 Resp: 3815465
Ion Ratio Lower Upper
112 100
64 55.4 45.3 67.9
63 29.1 24.4 36.6



#6
Aniline
Concen: 37.895 ng
RT: 7.122 min Scan# 703
Delta R.T. -0.012 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

Tgt Ion: 93 Resp: 879731
Ion Ratio Lower Upper
93 100
66 38.4 30.6 46.0
65 19.9 15.4 23.2

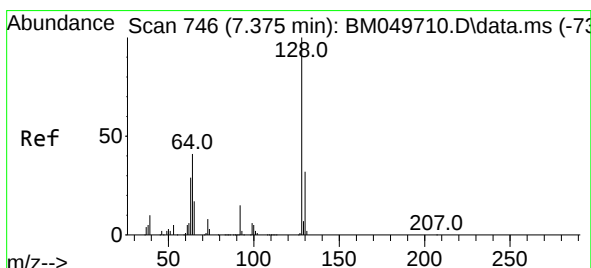
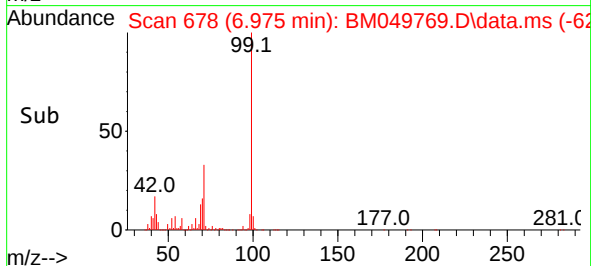
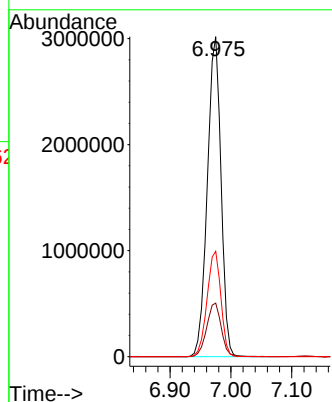
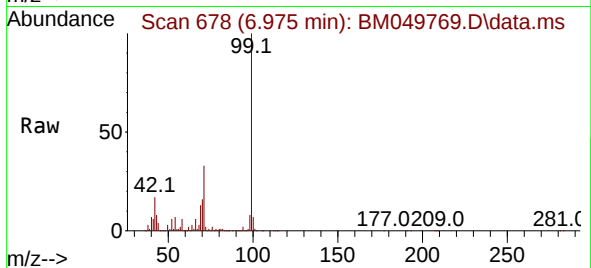




#7
Phenol-d6
Concen: 169.995 ng
RT: 6.975 min Scan# 61
Delta R.T. -0.006 min
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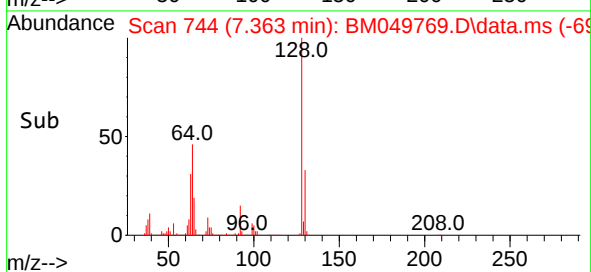
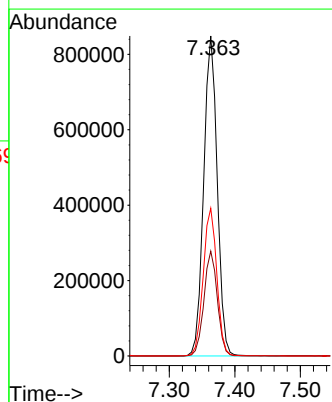
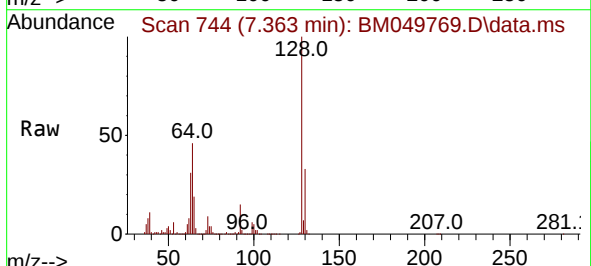
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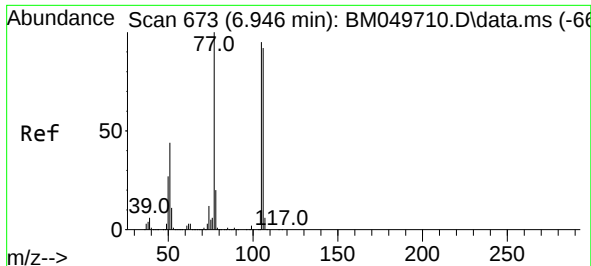
Tgt Ion: 99 Resp: 4710559
Ion Ratio Lower Upper
99 100
42 16.8 13.6 20.4
71 33.0 27.0 40.6



#8
2-Chlorophenol
Concen: 55.905 ng
RT: 7.363 min Scan# 744
Delta R.T. -0.012 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

Tgt Ion: 128 Resp: 1222403
Ion Ratio Lower Upper
128 100
130 32.7 12.5 52.5
64 46.2 24.9 64.9

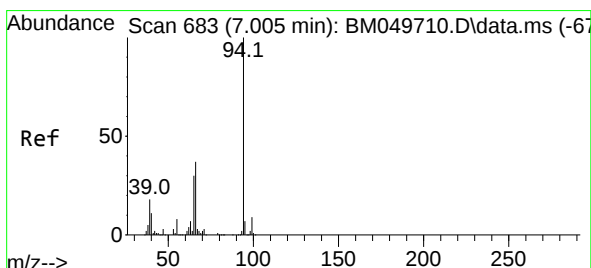
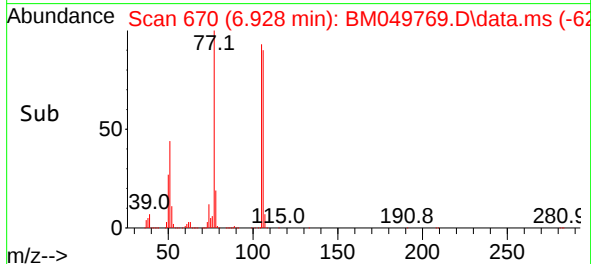
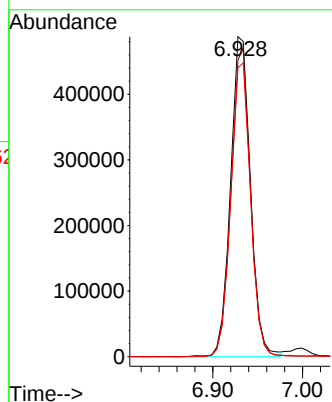
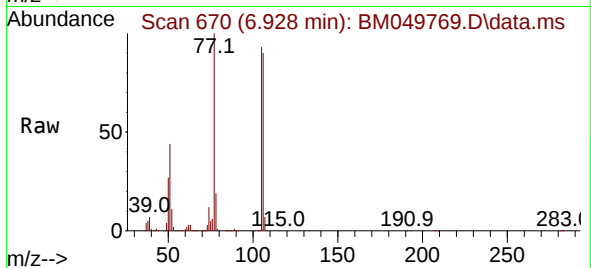




#9
Benzaldehyde
Concen: 54.757 ng
RT: 6.928 min Scan# 61
Delta R.T. -0.018 min
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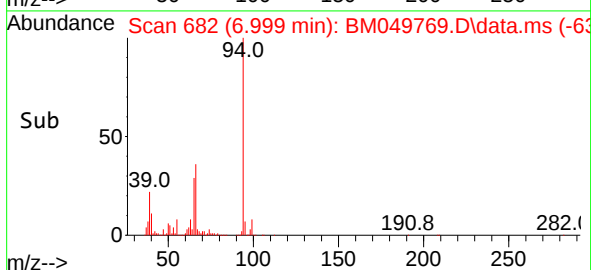
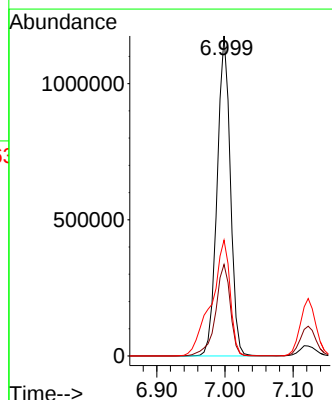
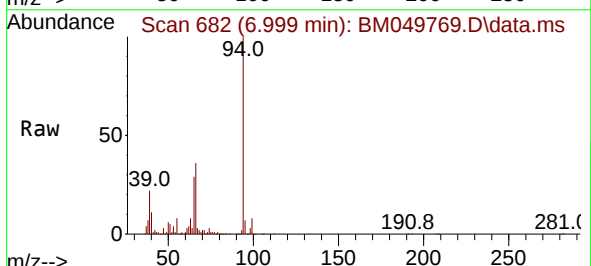
Instrument :
BNA_M
ClientSampleId :
PB167400BS

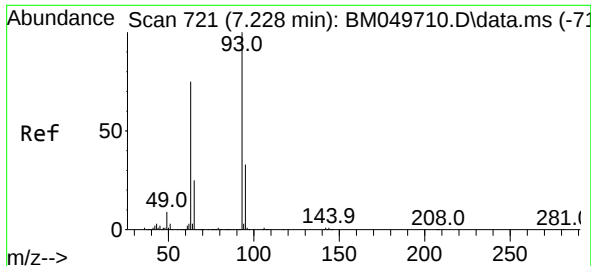
Tgt Ion: 77 Resp: 750097
Ion Ratio Lower Upper
77 100
105 92.7 75.0 115.0
106 90.3 72.3 112.3



#10
Phenol
Concen: 58.998 ng
RT: 6.999 min Scan# 682
Delta R.T. -0.006 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

Tgt Ion: 94 Resp: 1585190
Ion Ratio Lower Upper
94 100
65 28.6 10.4 50.4
66 36.2 17.1 57.1

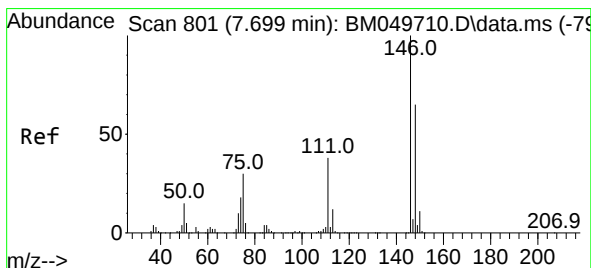
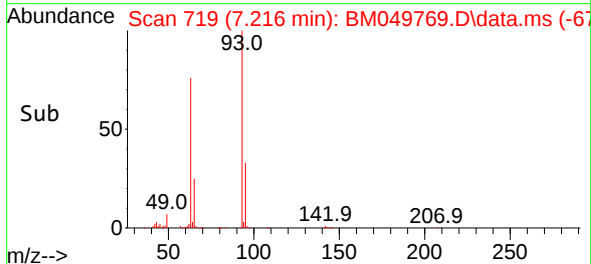
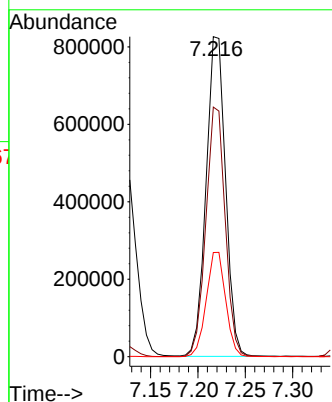
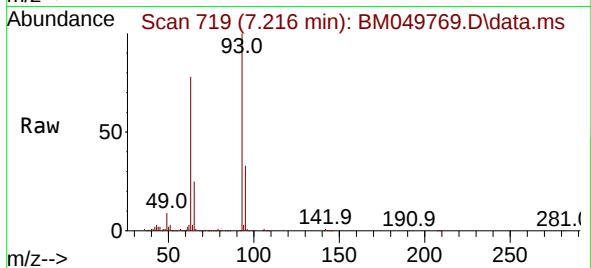




#11
bis(2-Chloroethyl)ether
Concen: 54.062 ng
RT: 7.216 min Scan# 719
Delta R.T. -0.012 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

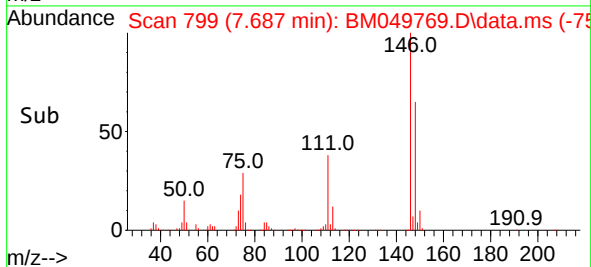
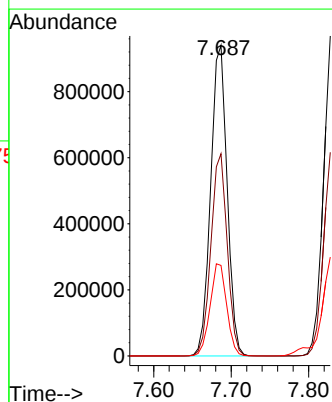
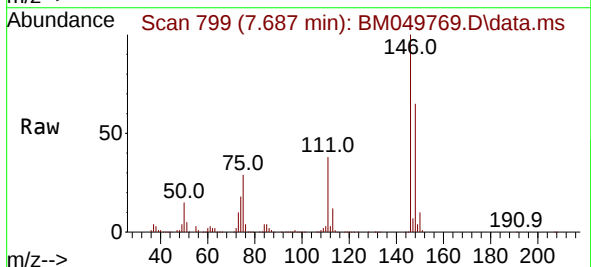
Instrument :
BNA_M
ClientSampleId :
PB167400BS

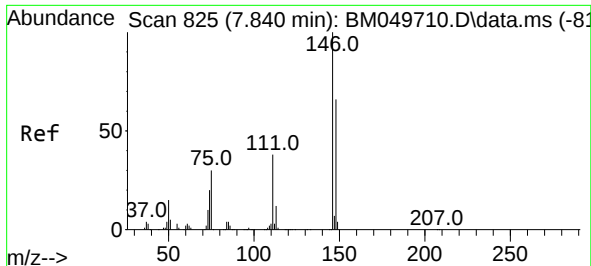
Tgt Ion: 93 Resp: 1176286
Ion Ratio Lower Upper
93 100
63 78.0 54.8 94.8
95 32.6 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 52.154 ng
RT: 7.687 min Scan# 799
Delta R.T. -0.012 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

Tgt Ion:146 Resp: 1385892
Ion Ratio Lower Upper
146 100
148 65.1 52.3 78.5
75 29.1 24.2 36.2

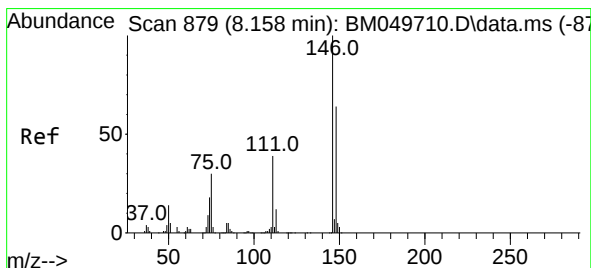
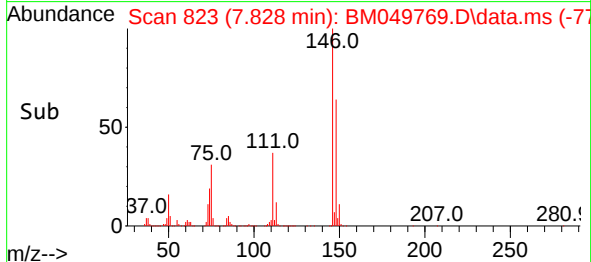
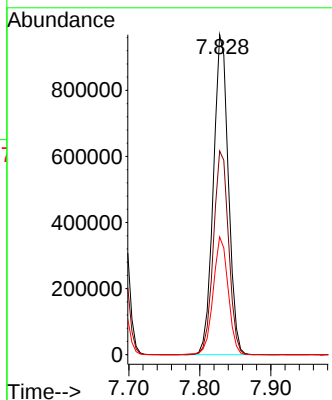
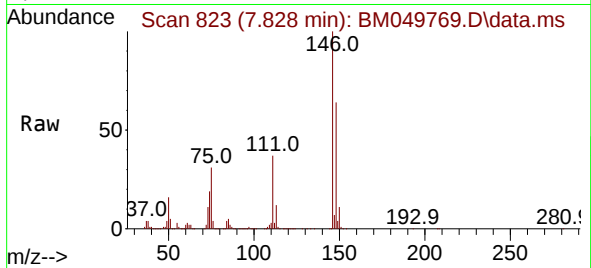




#13
1,4-Dichlorobenzene
Concen: 52.762 ng
RT: 7.828 min Scan# 811
Delta R.T. -0.012 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

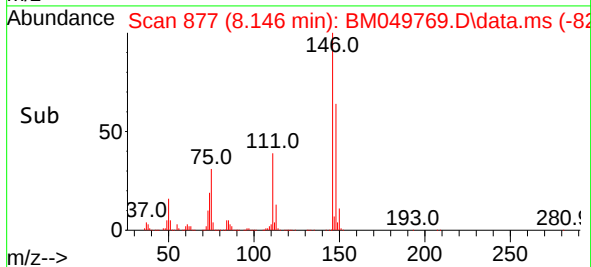
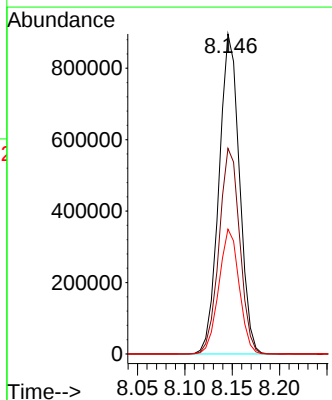
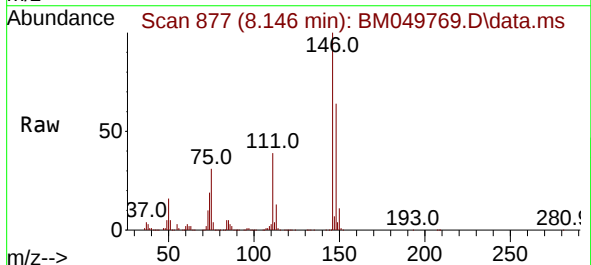
Instrument :
BNA_M
ClientSampleId :
PB167400BS

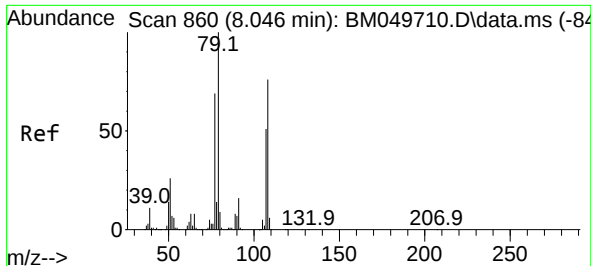
Tgt Ion:146 Resp: 1414446
Ion Ratio Lower Upper
146 100
148 63.7 52.6 79.0
111 36.8 30.8 46.2



#14
1,2-Dichlorobenzene
Concen: 52.903 ng
RT: 8.146 min Scan# 877
Delta R.T. -0.012 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

Tgt Ion:146 Resp: 1347833
Ion Ratio Lower Upper
146 100
148 64.2 50.9 76.3
111 39.0 31.0 46.6

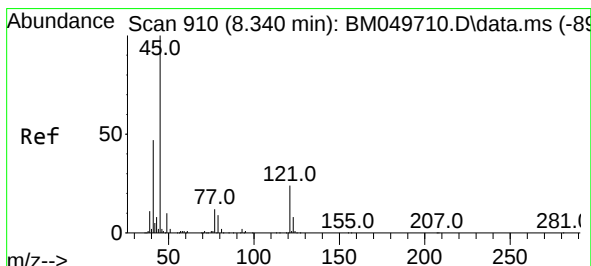
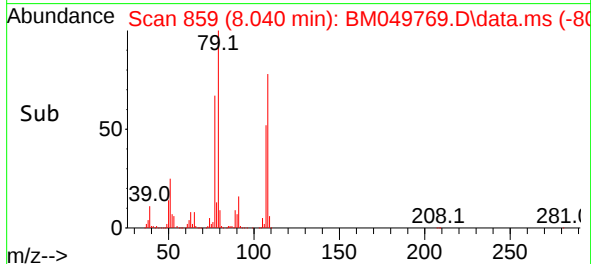
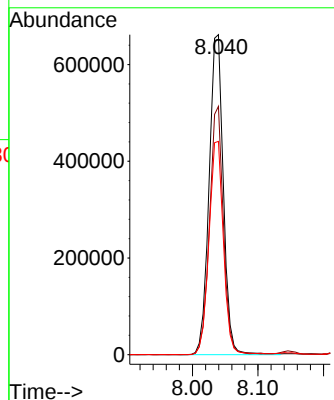
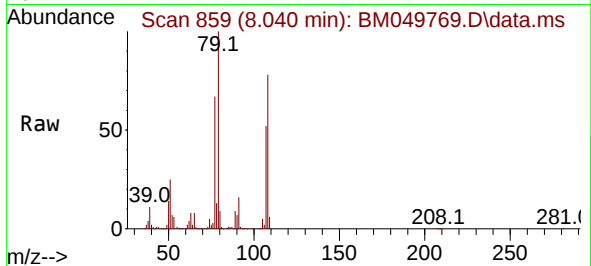




#15
Benzyl Alcohol
Concen: 57.639 ng
RT: 8.040 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

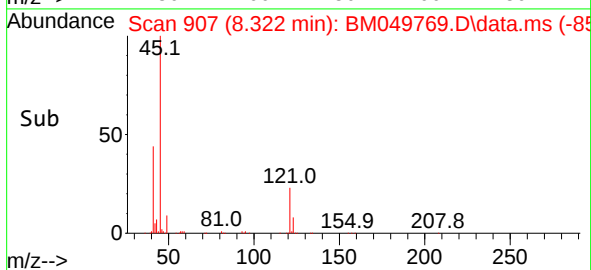
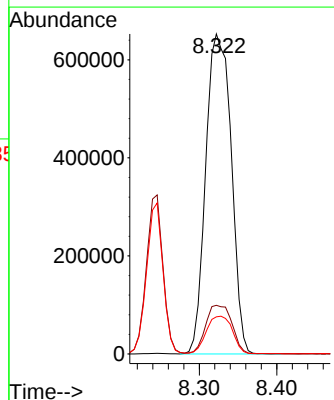
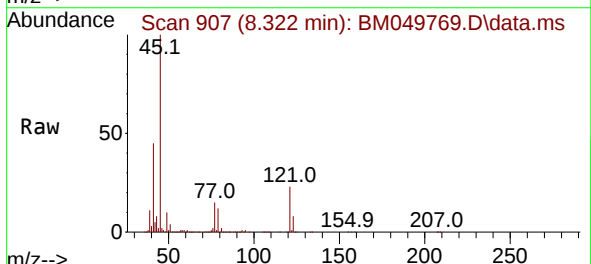
Instrument :
BNA_M
ClientSampleId :
PB167400BS

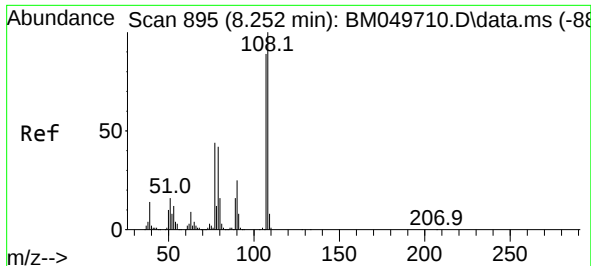
Tgt Ion: 79 Resp: 1002302
Ion Ratio Lower Upper
79 100
108 77.6 60.7 91.1
77 66.7 55.4 83.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 58.273 ng
RT: 8.322 min Scan# 907
Delta R.T. -0.018 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

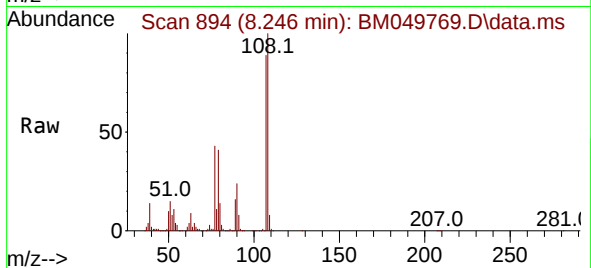
Tgt Ion: 45 Resp: 1490196
Ion Ratio Lower Upper
45 100
77 15.2 0.0 36.1
79 11.6 0.0 32.8





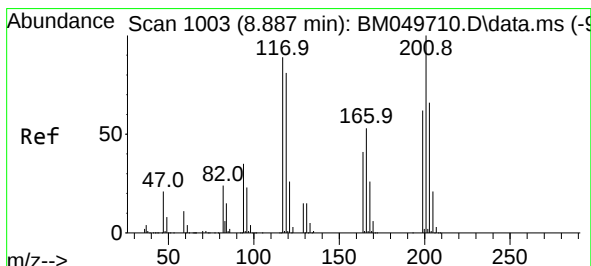
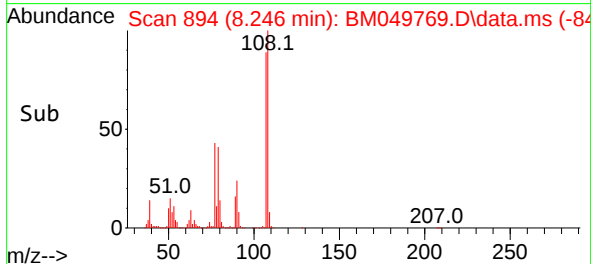
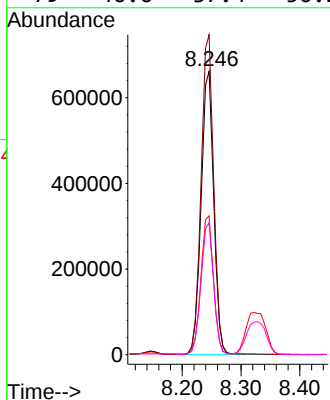
#17
2-Methylphenol
Concen: 61.478 ng
RT: 8.246 min Scan# 894
Delta R.T. -0.006 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

Instrument :
BNA_M
ClientSampleId :
PB167400BS



Tgt Ion:107 Resp: 980694

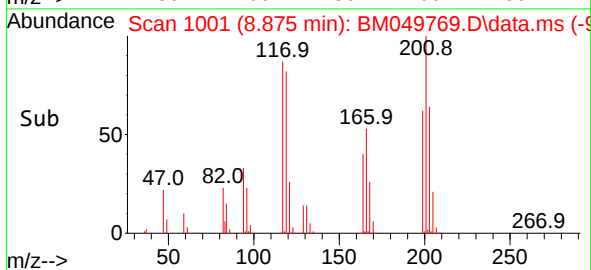
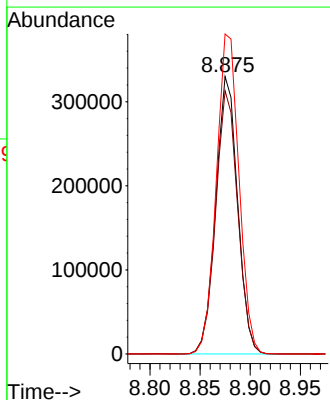
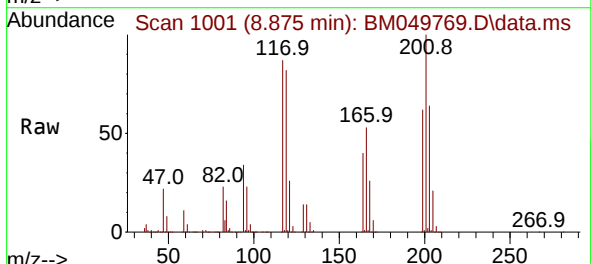
Ion	Ratio	Lower	Upper
107	100		
108	112.9	89.6	134.4
77	49.0	39.8	59.6
79	46.6	37.4	56.2

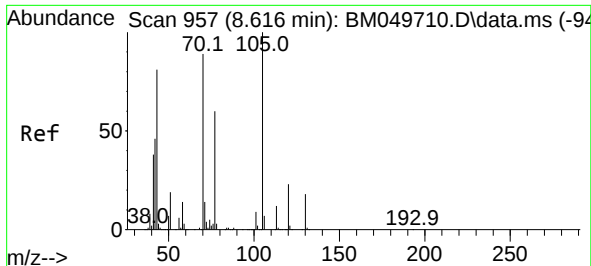


#18
Hexachloroethane
Concen: 52.772 ng
RT: 8.875 min Scan# 1001
Delta R.T. -0.012 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

Tgt Ion:117 Resp: 499592

Ion	Ratio	Lower	Upper
117	100		
119	94.9	73.1	109.7
201	115.3	90.0	135.0



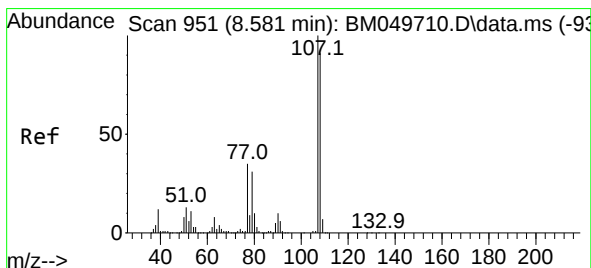
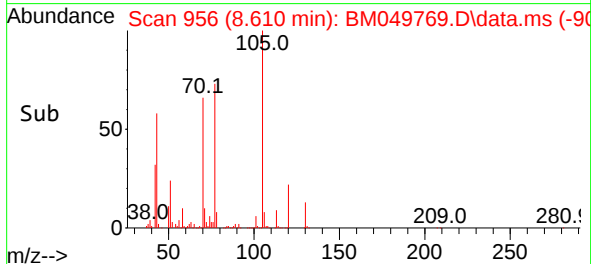
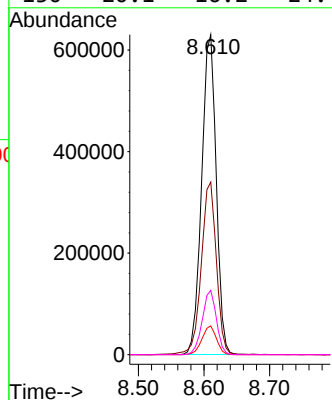
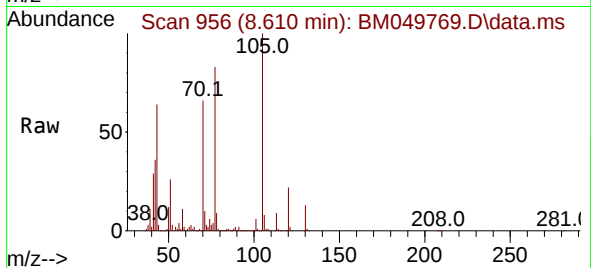


#19
n-Nitroso-di-n-propylamine
Concen: 60.618 ng
RT: 8.610 min Scan# 911
Delta R.T. -0.006 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

Instrument :
BNA_M
ClientSampleId :
PB167400BS

Tgt Ion: 70 Resp: 973998

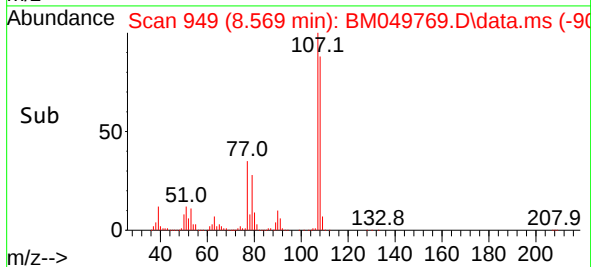
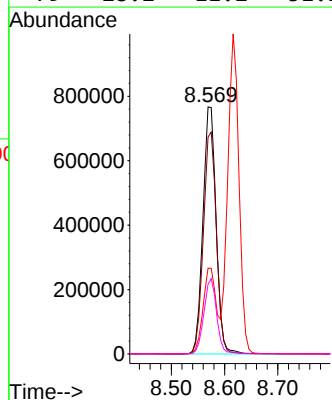
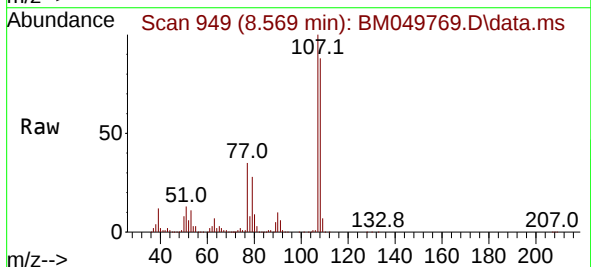
Ion	Ratio	Lower	Upper
70	100		
42	54.0	41.8	62.6
101	9.0	7.7	11.5
130	20.1	16.2	24.4

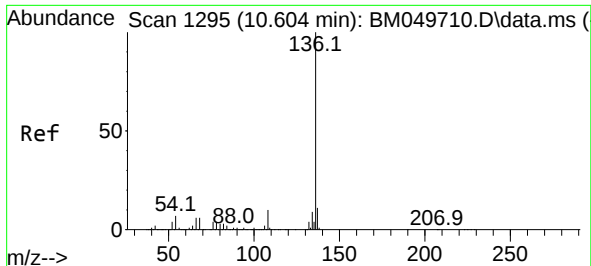


#20
3+4-Methylphenols
Concen: 61.503 ng
RT: 8.569 min Scan# 949
Delta R.T. -0.012 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

Tgt Ion: 107 Resp: 1314784

Ion	Ratio	Lower	Upper
107	100		
108	87.8	71.0	111.0
77	34.7	15.1	55.1
79	28.2	11.2	51.2

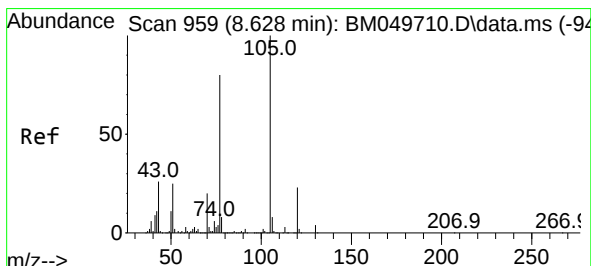
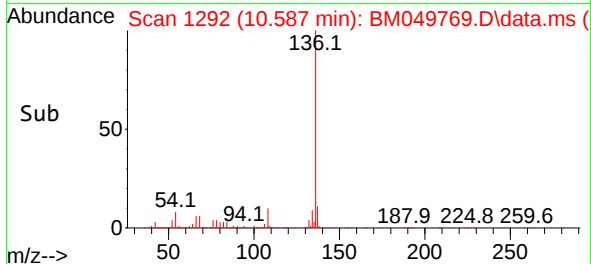
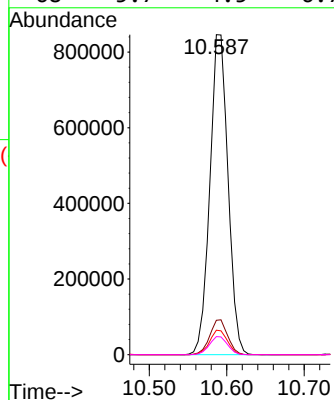
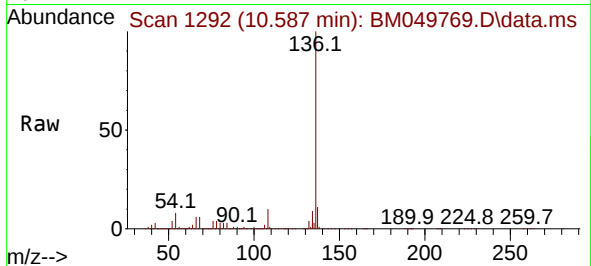




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.587 min Scan# 11
Delta R.T. -0.018 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

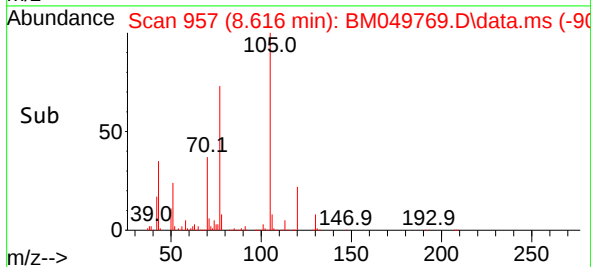
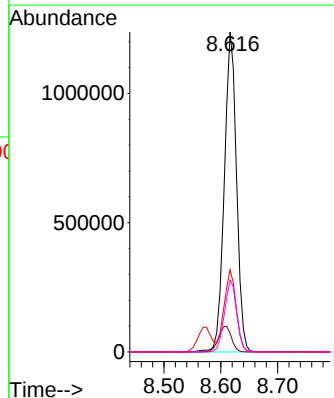
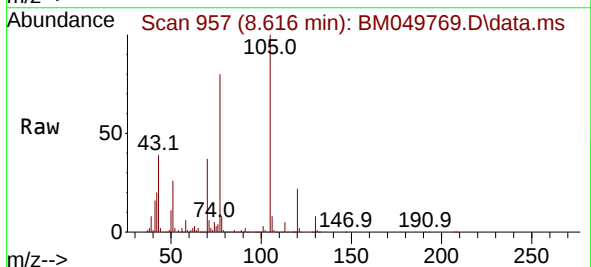
Instrument :
BNA_M
ClientSampleId :
PB167400BS

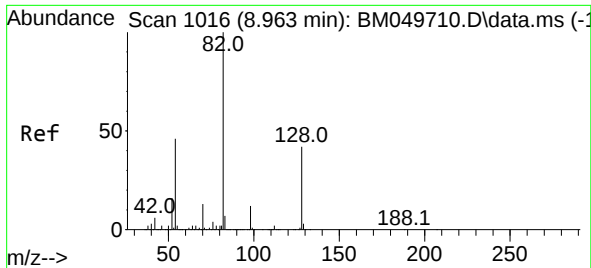
Tgt Ion:136 Resp: 1374712
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 7.6 5.8 8.8
68 5.7 4.5 6.7



#22
Acetophenone
Concen: 52.377 ng
RT: 8.616 min Scan# 957
Delta R.T. -0.012 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

Tgt Ion:105 Resp: 1856573
Ion Ratio Lower Upper
105 100
71 5.8 2.5 3.7#
51 25.7 19.9 29.9
120 22.4 18.3 27.5

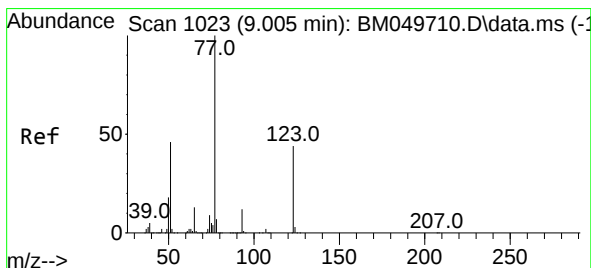
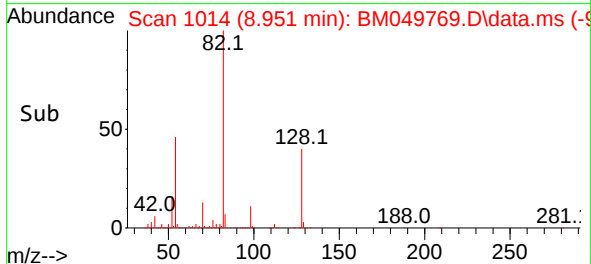
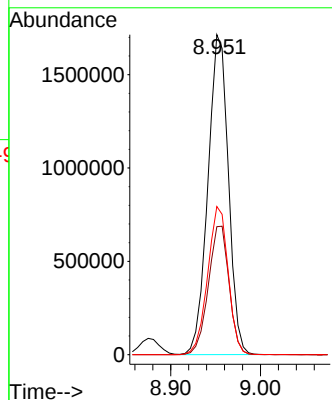
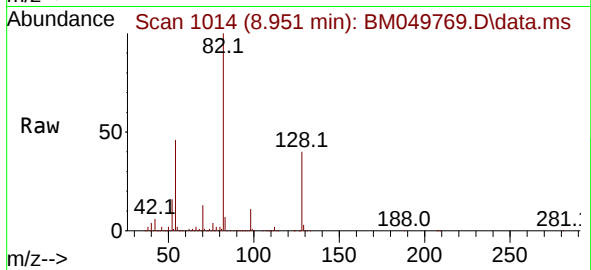




#23
Nitrobenzene-d5
Concen: 101.425 ng
RT: 8.951 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

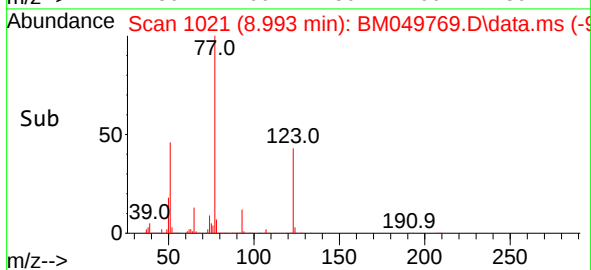
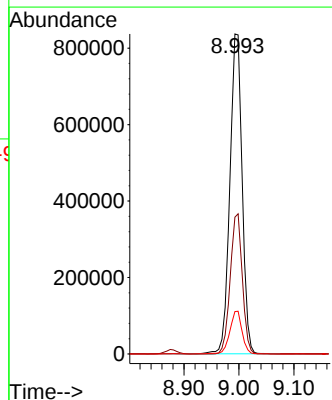
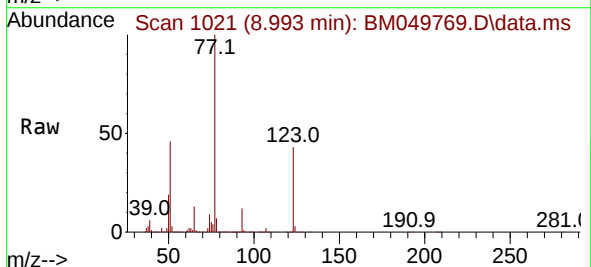
Instrument :
BNA_M
ClientSampleId :
PB167400BS

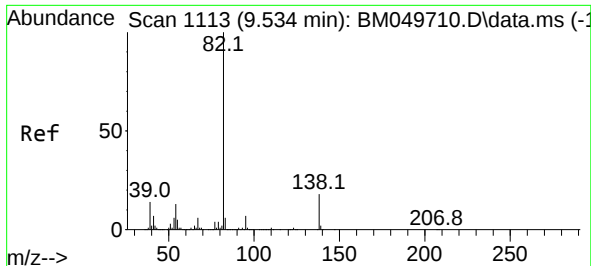
Tgt Ion: 82 Resp: 2715728
Ion Ratio Lower Upper
82 100
128 40.0 33.4 50.0
54 46.3 36.4 54.6



#24
Nitrobenzene
Concen: 51.436 ng
RT: 8.993 min Scan# 1021
Delta R.T. -0.012 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

Tgt Ion: 77 Resp: 1298639
Ion Ratio Lower Upper
77 100
123 42.8 34.9 52.3
65 13.3 10.6 15.8

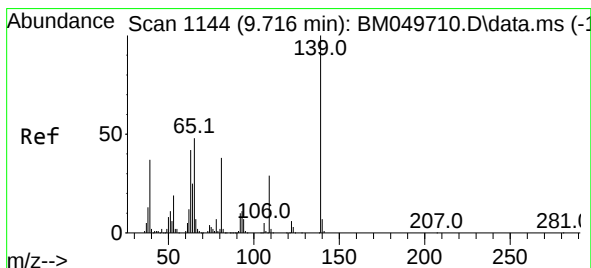
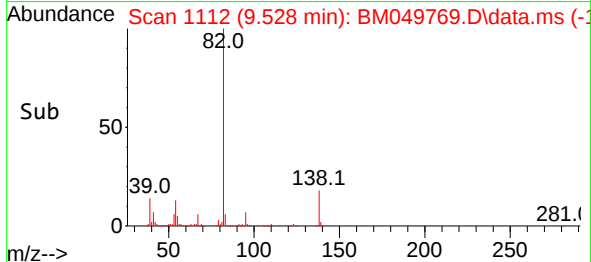
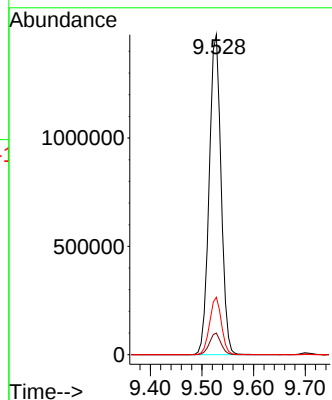
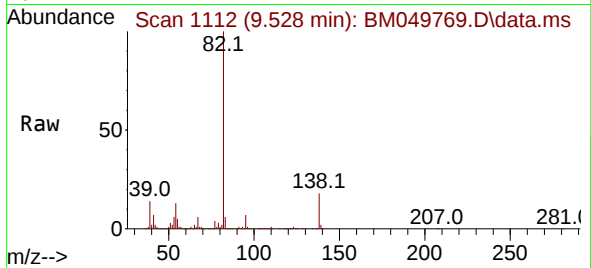




#25
Isophorone
Concen: 57.355 ng
RT: 9.528 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

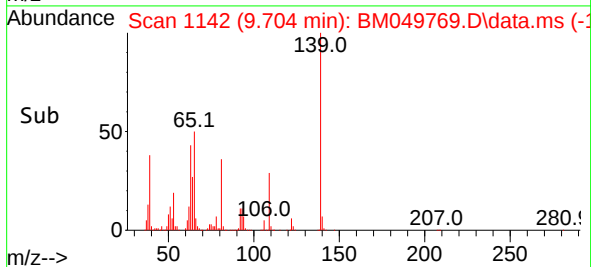
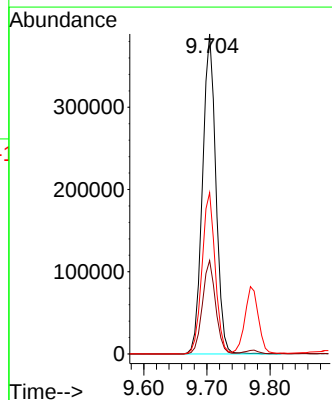
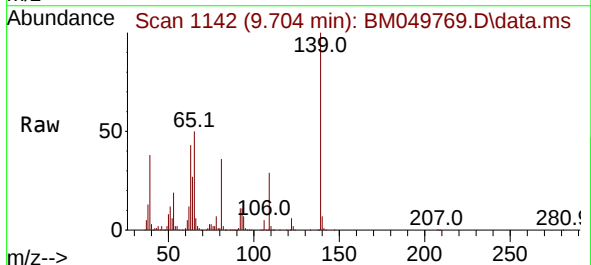
Instrument :
BNA_M
ClientSampleId :
PB167400BS

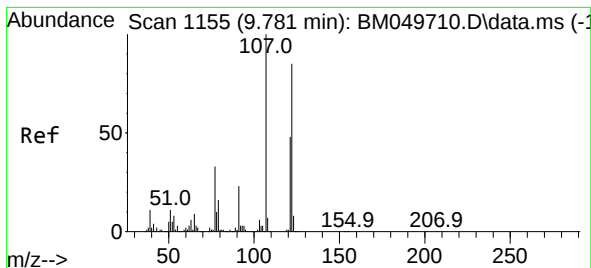
Tgt Ion: 82 Resp: 2357881
Ion Ratio Lower Upper
82 100
95 6.7 5.3 7.9
138 17.9 14.4 21.6



#26
2-Nitrophenol
Concen: 53.334 ng
RT: 9.704 min Scan# 1142
Delta R.T. -0.012 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

Tgt Ion:139 Resp: 573126
Ion Ratio Lower Upper
139 100
109 29.2 23.3 34.9
65 50.4 38.6 58.0





#27

2,4-Dimethylphenol

Concen: 79.579 ng

RT: 9.775 min Scan# 1154

Delta R.T. -0.006 min

Lab File: BM049769.D

Acq: 01 Apr 2025 11:36

Instrument :

BNA_M

ClientSampleId :

PB167400BS

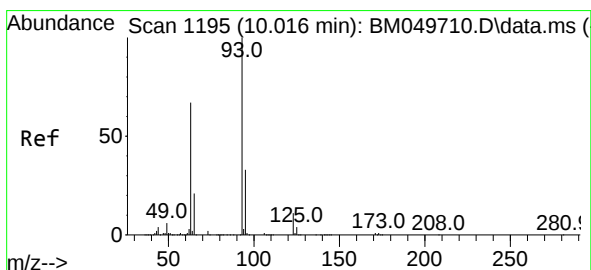
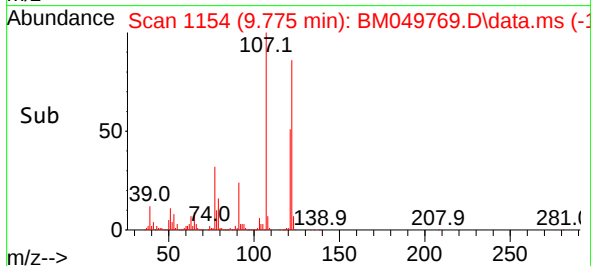
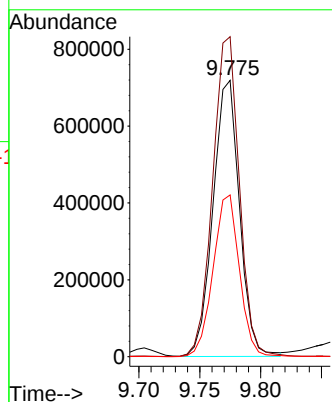
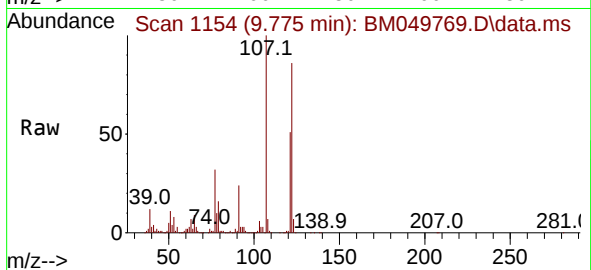
Tgt Ion:122 Resp: 1088502

Ion Ratio Lower Upper

122 100

107 115.8 94.3 141.5

121 58.5 45.4 68.2



#28

bis(2-Chloroethoxy)methane

Concen: 53.792 ng

RT: 10.004 min Scan# 1193

Delta R.T. -0.012 min

Lab File: BM049769.D

Acq: 01 Apr 2025 11:36

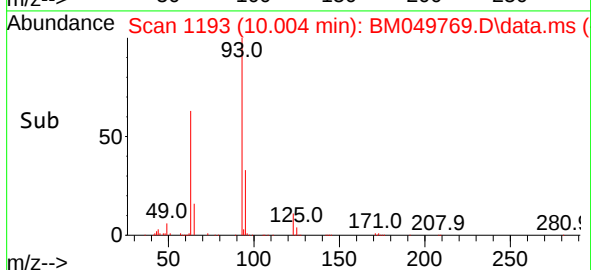
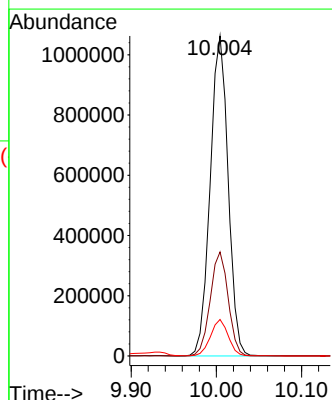
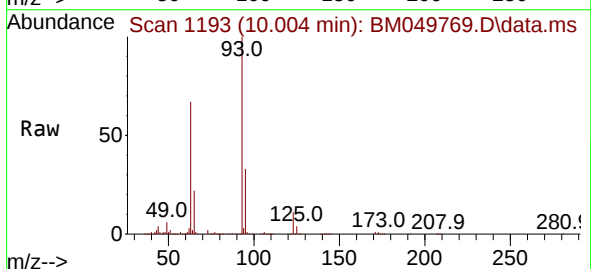
Tgt Ion: 93 Resp: 1557545

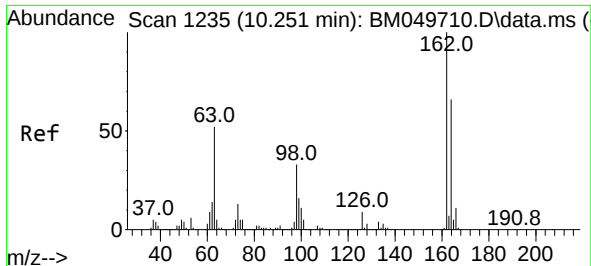
Ion Ratio Lower Upper

93 100

95 32.5 26.6 40.0

123 11.4 9.0 13.6





#29

2,4-Dichlorophenol

Concen: 55.344 ng

RT: 10.240 min Scan# 11

Delta R.T. -0.012 min

Lab File: BM049769.D

Acq: 01 Apr 2025 11:36

Instrument :

BNA_M

ClientSampleId :

PB167400BS

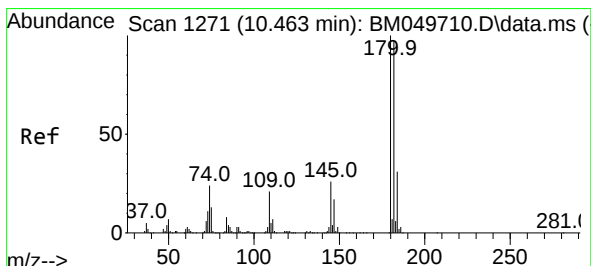
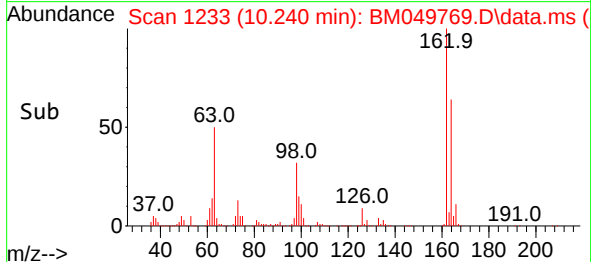
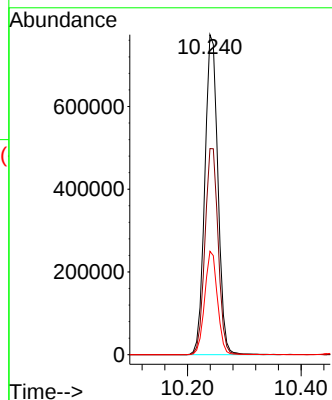
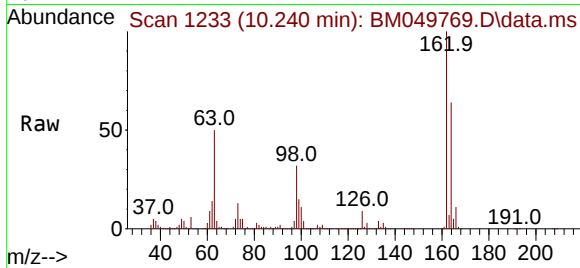
Tgt Ion:162 Resp: 1233528

Ion Ratio Lower Upper

162 100

164 64.4 46.3 86.3

98 32.3 12.8 52.8



#30

1,2,4-Trichlorobenzene

Concen: 51.527 ng

RT: 10.451 min Scan# 1269

Delta R.T. -0.012 min

Lab File: BM049769.D

Acq: 01 Apr 2025 11:36

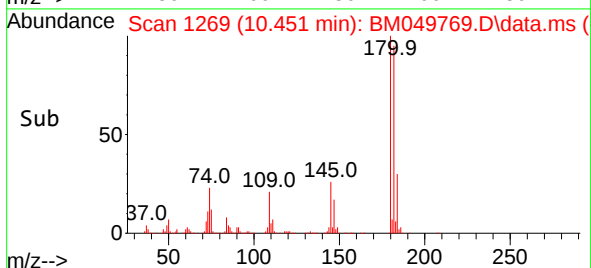
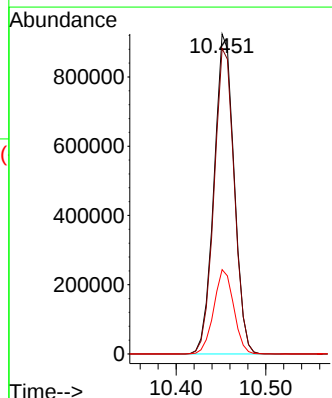
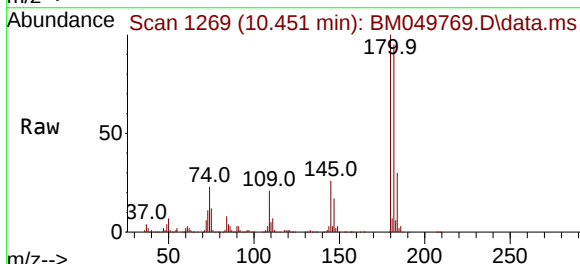
Tgt Ion:180 Resp: 1436871

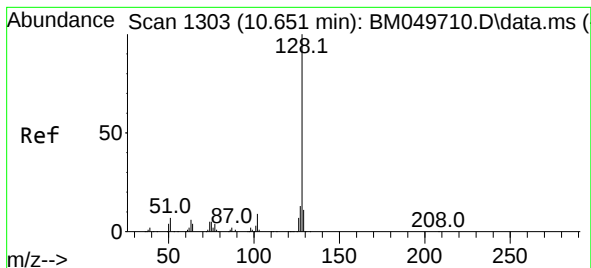
Ion Ratio Lower Upper

180 100

182 95.5 77.7 116.5

145 26.3 21.0 31.4

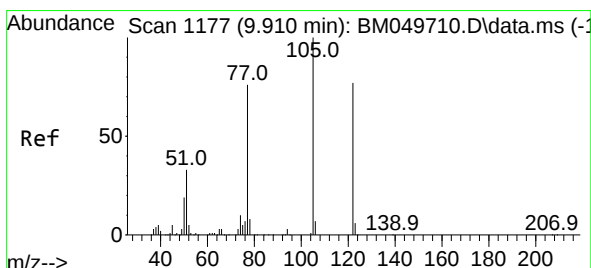
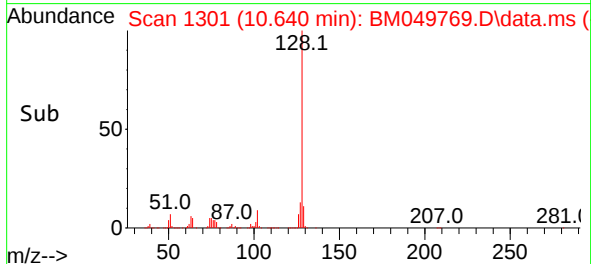
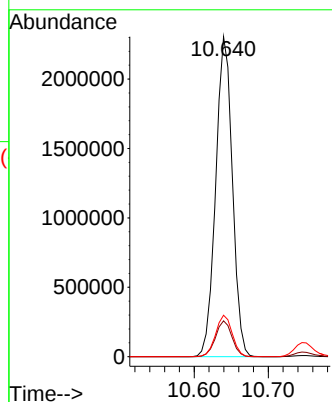
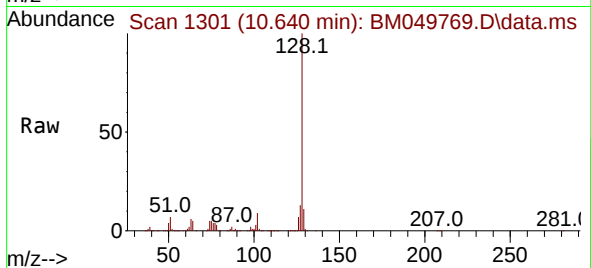




#31
Naphthalene
Concen: 50.912 ng
RT: 10.640 min Scan# 1181
Delta R.T. -0.012 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

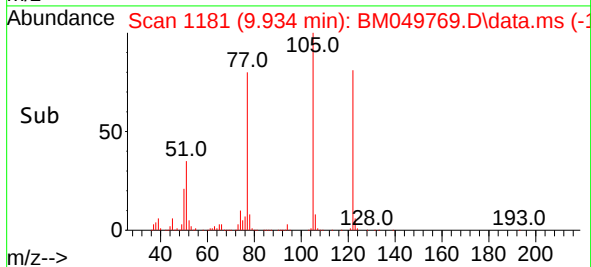
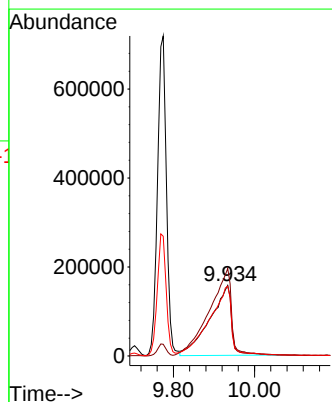
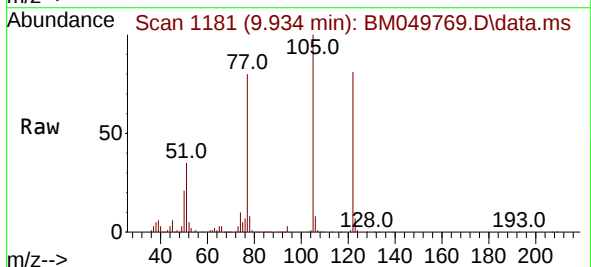
Instrument :
BNA_M
ClientSampleId :
PB167400BS

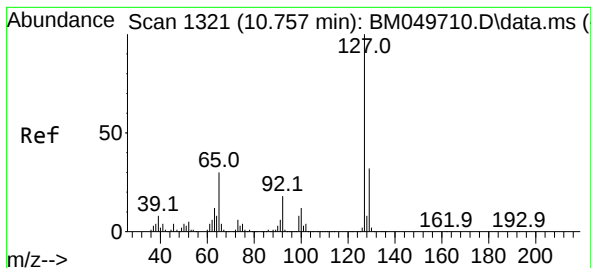
Tgt Ion:128 Resp: 3598857
Ion Ratio Lower Upper
128 100
129 11.2 8.6 13.0
127 12.9 10.4 15.6



#32
Benzoic acid
Concen: 50.802 ng
RT: 9.934 min Scan# 1181
Delta R.T. 0.024 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

Tgt Ion:122 Resp: 590976
Ion Ratio Lower Upper
122 100
105 124.2 105.6 145.6
77 99.2 76.9 116.9





#33

4-Chloroaniline

Concen: 7.998 ng

RT: 10.745 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM049769.D

Acq: 01 Apr 2025 11:36

Instrument :

BNA_M

ClientSampleId :

PB167400BS

Tgt Ion:127 Resp: 192940

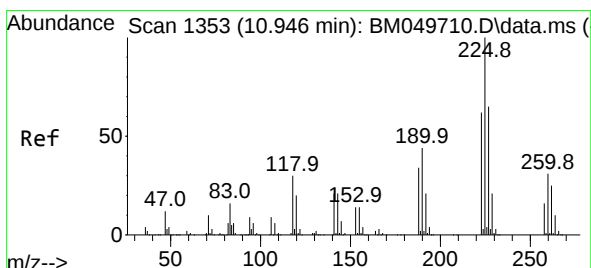
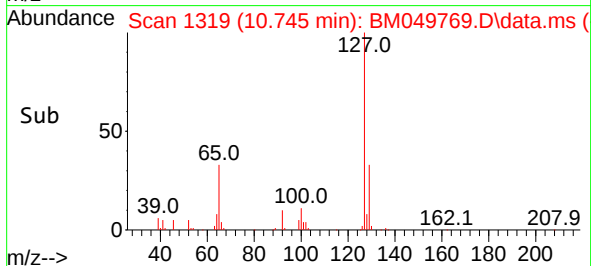
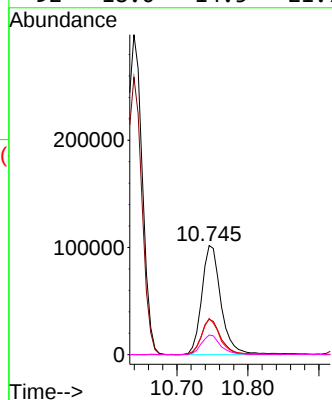
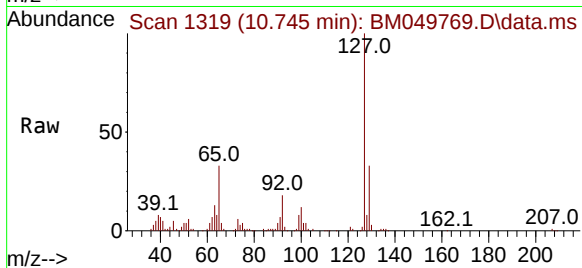
Ion Ratio Lower Upper

127 100

129 32.6 25.7 38.5

65 33.2 24.1 36.1

92 18.0 14.5 21.7



#34

Hexachlorobutadiene

Concen: 51.630 ng

RT: 10.934 min Scan# 1351

Delta R.T. -0.012 min

Lab File: BM049769.D

Acq: 01 Apr 2025 11:36

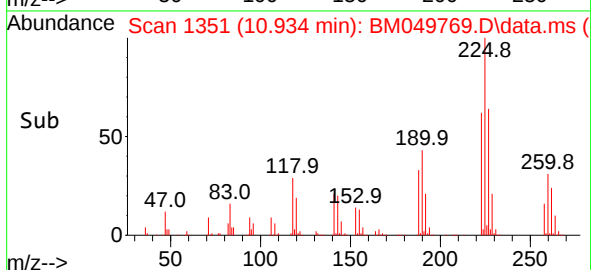
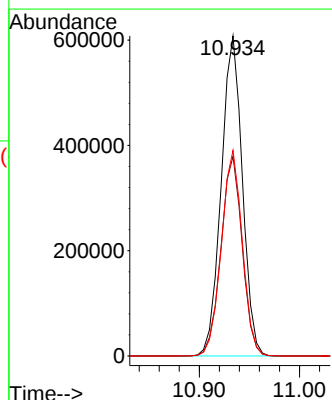
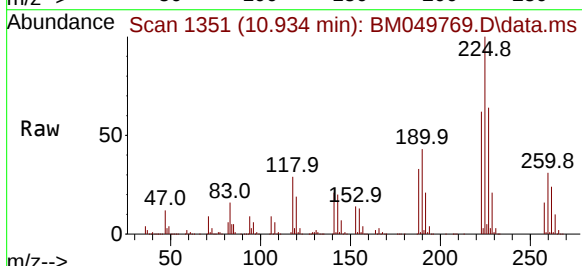
Tgt Ion:225 Resp: 888796

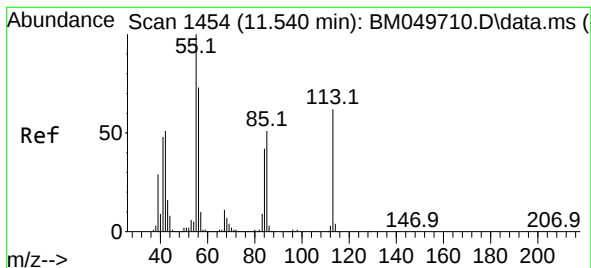
Ion Ratio Lower Upper

225 100

223 62.3 49.8 74.8

227 64.2 52.1 78.1

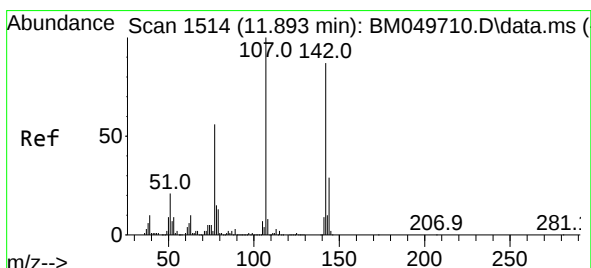
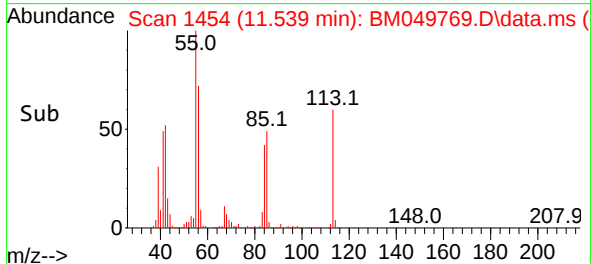
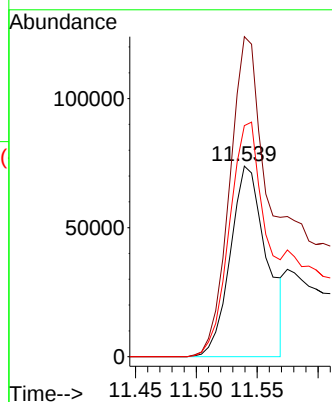
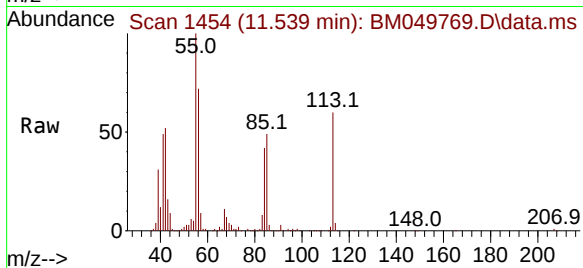




#35
Caprolactam
Concen: 29.605 ng
RT: 11.539 min Scan# 1454
Delta R.T. -0.000 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

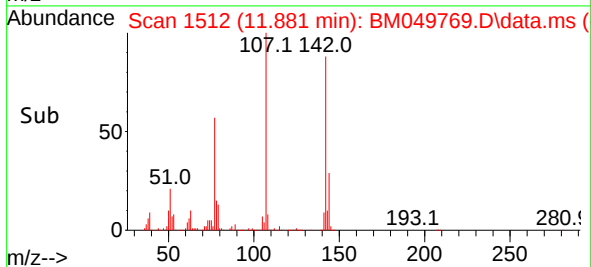
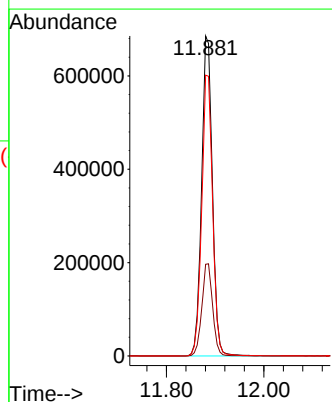
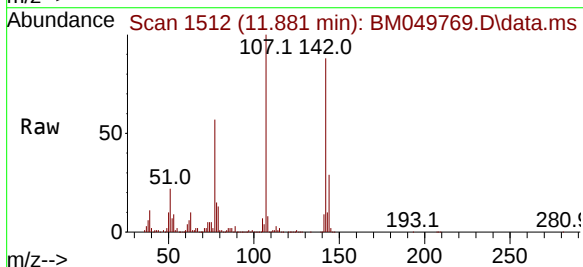
Instrument :
BNA_M
ClientSampleId :
PB167400BS

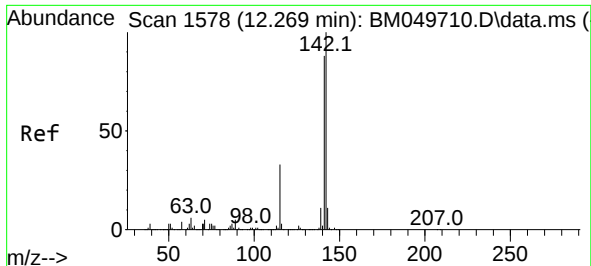
Tgt Ion:113 Resp: 153197
Ion Ratio Lower Upper
113 100
55 167.9 141.8 181.8
56 121.2 98.0 138.0



#36
4-Chloro-3-methylphenol
Concen: 55.357 ng
RT: 11.881 min Scan# 1512
Delta R.T. -0.012 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

Tgt Ion:107 Resp: 1058828
Ion Ratio Lower Upper
107 100
144 28.7 23.0 34.6
142 87.7 69.8 104.8





#37

2-Methylnaphthalene

Concen: 48.324 ng

RT: 12.257 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM049769.D

Acq: 01 Apr 2025 11:36

Instrument :

BNA_M

ClientSampleId :

PB167400BS

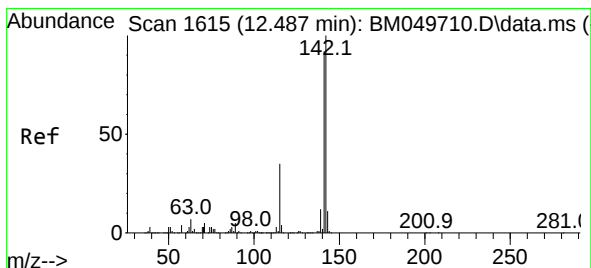
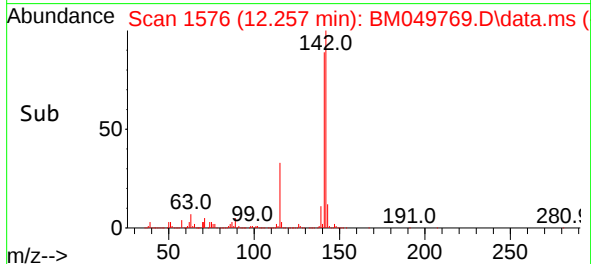
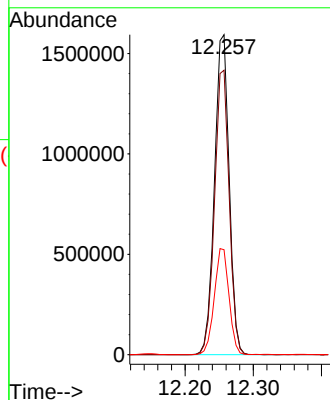
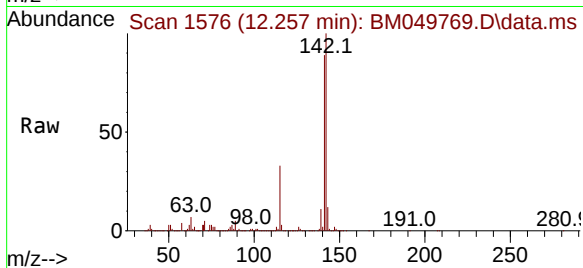
Tgt Ion:142 Resp: 2388605

Ion Ratio Lower Upper

142 100

141 88.9 70.5 105.7

115 32.8 26.5 39.7



#38

1-Methylnaphthalene

Concen: 52.963 ng

RT: 12.475 min Scan# 1613

Delta R.T. -0.012 min

Lab File: BM049769.D

Acq: 01 Apr 2025 11:36

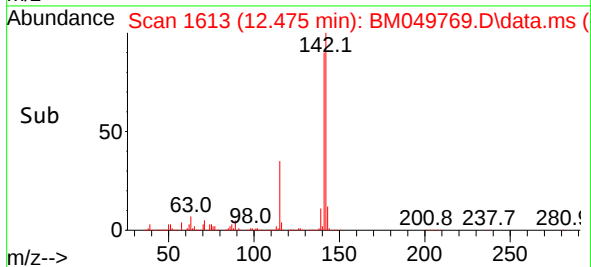
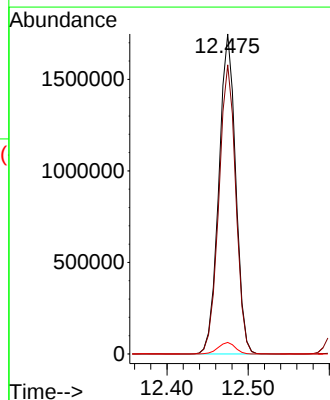
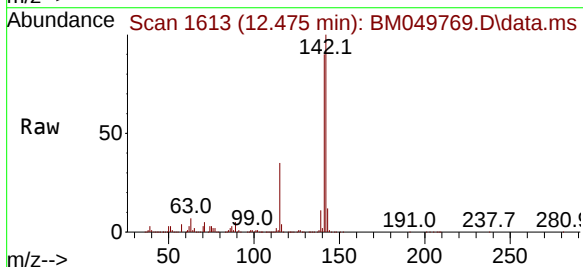
Tgt Ion:142 Resp: 2525728

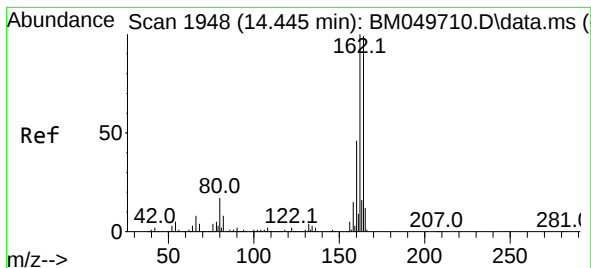
Ion Ratio Lower Upper

142 100

141 90.4 73.4 110.2

116 3.6 2.8 4.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.433 min Scan# 1946

Delta R.T. -0.012 min

Lab File: BM049769.D

Acq: 01 Apr 2025 11:36

Instrument :

BNA_M

ClientSampleId :

PB167400BS

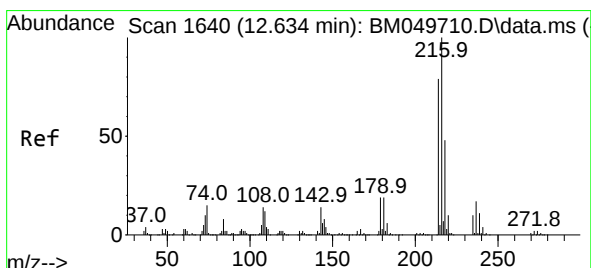
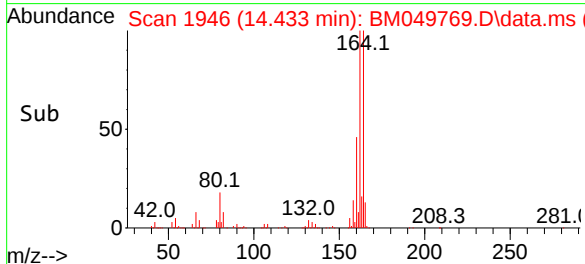
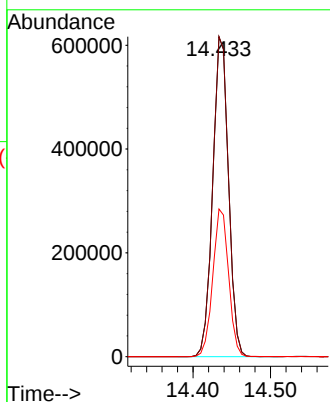
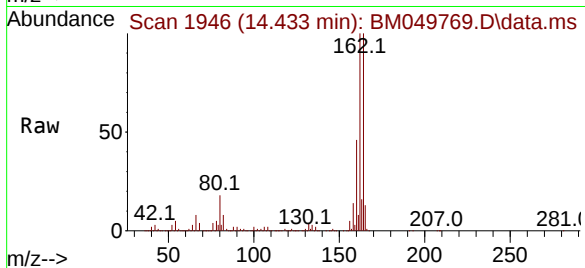
Tgt Ion:164 Resp: 870727

Ion Ratio Lower Upper

164 100

162 100.1 80.5 120.7

160 46.2 36.9 55.3



#40

1,2,4,5-Tetrachlorobenzene

Concen: 57.188 ng

RT: 12.628 min Scan# 1639

Delta R.T. -0.006 min

Lab File: BM049769.D

Acq: 01 Apr 2025 11:36

Tgt Ion:216 Resp: 1829064

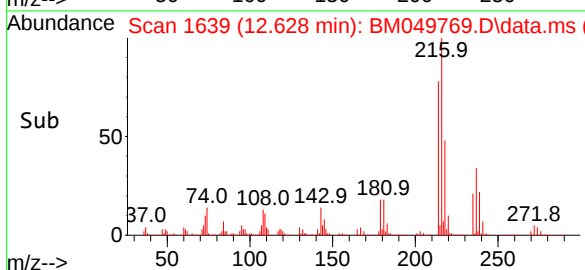
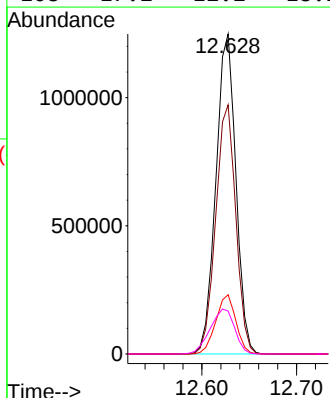
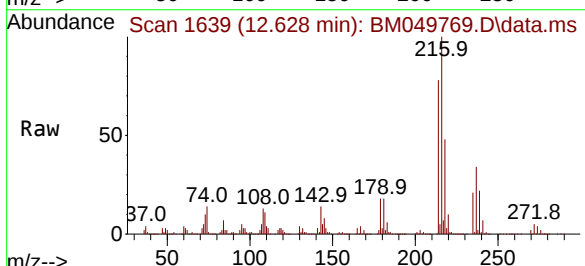
Ion Ratio Lower Upper

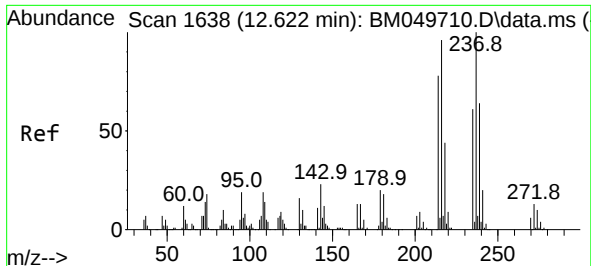
216 100

214 78.3 63.5 95.3

179 18.7 15.7 23.5

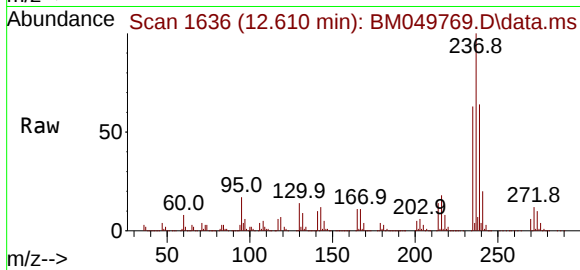
108 17.2 12.2 18.2



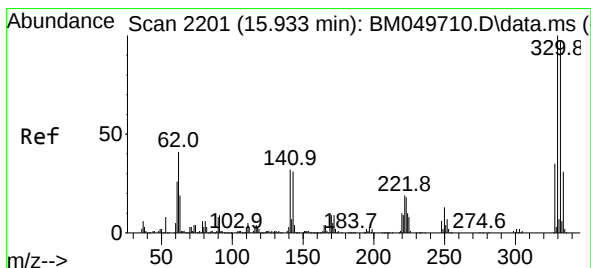
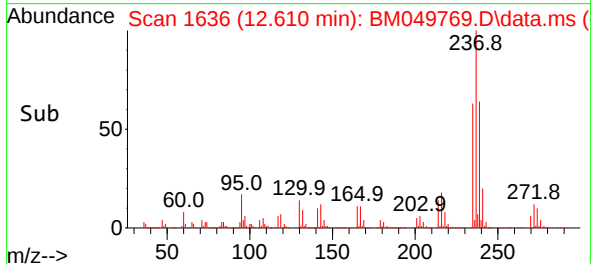
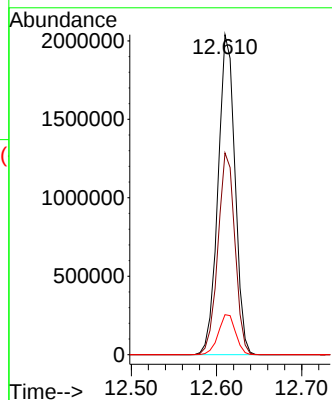


#41
Hexachlorocyclopentadiene
Concen: 237.931 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

Instrument :
BNA_M
ClientSampleId :
PB167400BS

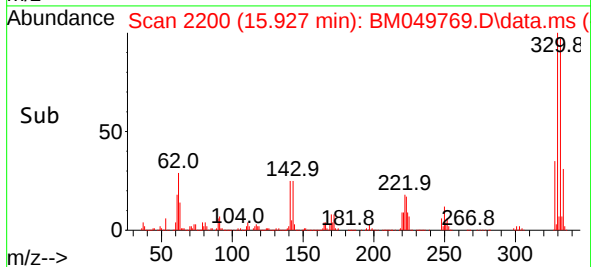
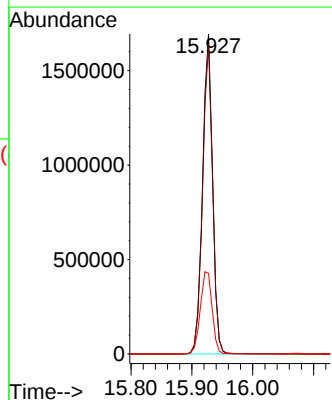
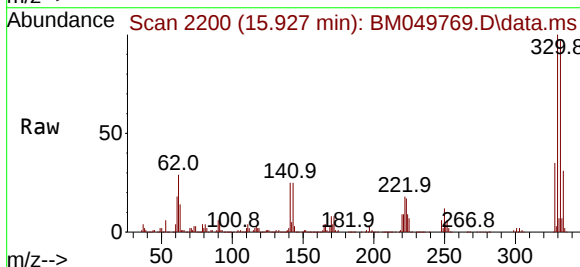


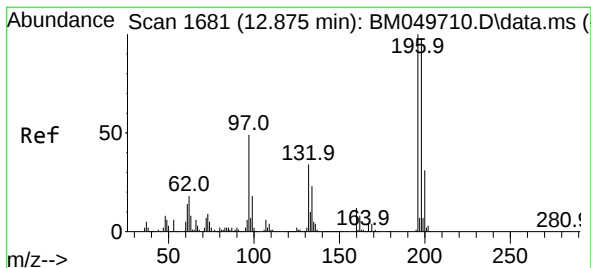
Tgt Ion:237 Resp: 2819216
Ion Ratio Lower Upper
237 100
235 63.1 41.1 81.1
272 12.5 0.0 32.5



#42
2,4,6-Tribromophenol
Concen: 190.263 ng
RT: 15.927 min Scan# 2200
Delta R.T. -0.006 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

Tgt Ion:330 Resp: 1934500
Ion Ratio Lower Upper
330 100
332 96.5 77.0 115.4
141 30.2 27.8 41.6





#43

2,4,6-Trichlorophenol

Concen: 56.041 ng

RT: 12.869 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM049769.D

Acq: 01 Apr 2025 11:36

Instrument :

BNA_M

ClientSampleId :

PB167400BS

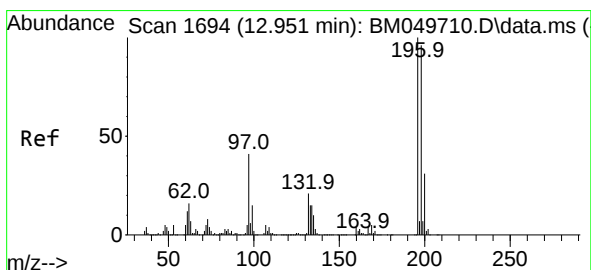
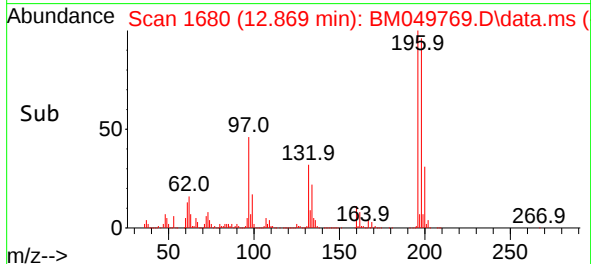
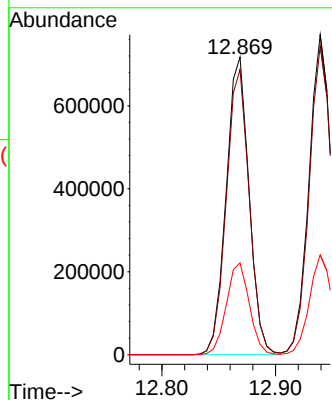
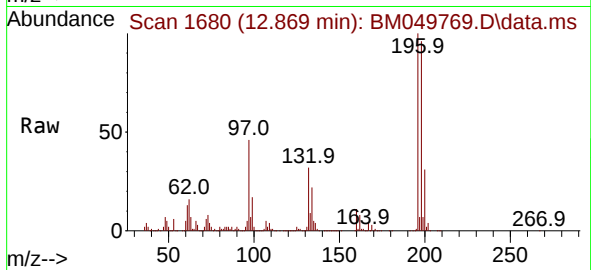
Tgt Ion:196 Resp: 1003851

Ion Ratio Lower Upper

196 100

198 95.8 78.3 117.5

200 30.8 25.1 37.7



#44

2,4,5-Trichlorophenol

Concen: 55.144 ng

RT: 12.939 min Scan# 1692

Delta R.T. -0.012 min

Lab File: BM049769.D

Acq: 01 Apr 2025 11:36

Tgt Ion:196 Resp: 1077926

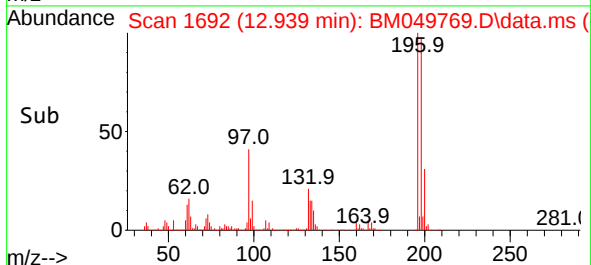
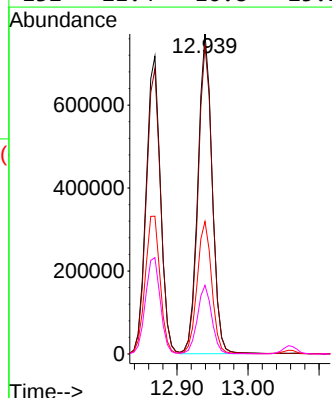
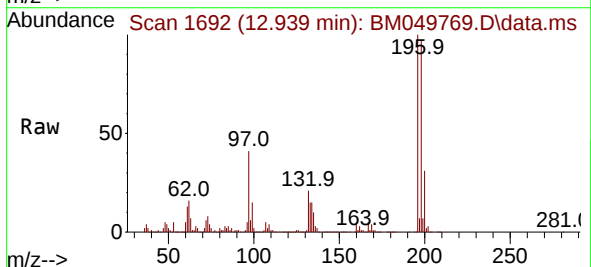
Ion Ratio Lower Upper

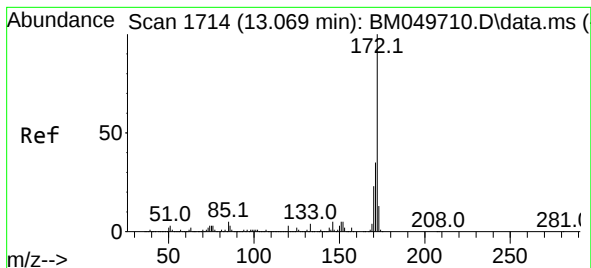
196 100

198 96.6 76.7 115.1

97 41.4 32.9 49.3

132 21.4 16.8 25.2





#45

2-Fluorobiphenyl

Concen: 105.143 ng

RT: 13.063 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM049769.D

Acq: 01 Apr 2025 11:36

Instrument :

BNA_M

ClientSampleId :

PB167400BS

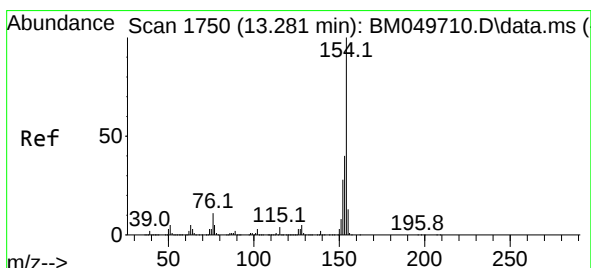
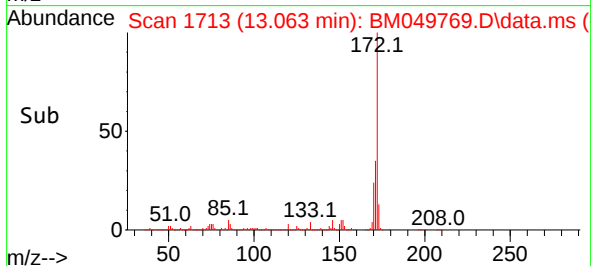
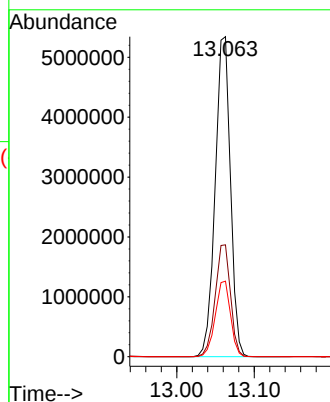
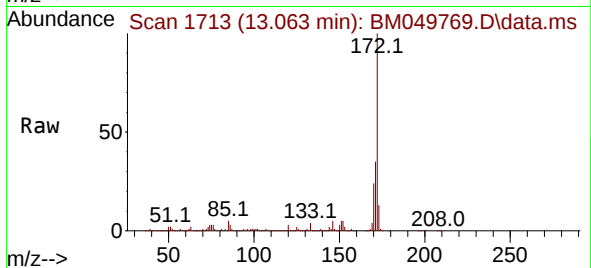
Tgt Ion:172 Resp: 7310185

Ion Ratio Lower Upper

172 100

171 34.9 27.9 41.9

170 23.6 18.6 28.0



#46

1,1'-Biphenyl

Concen: 52.734 ng

RT: 13.269 min Scan# 1748

Delta R.T. -0.012 min

Lab File: BM049769.D

Acq: 01 Apr 2025 11:36

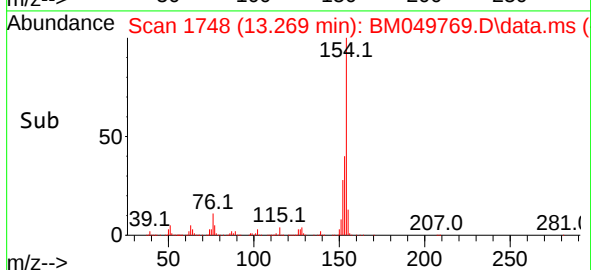
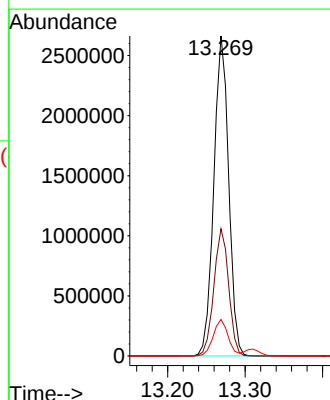
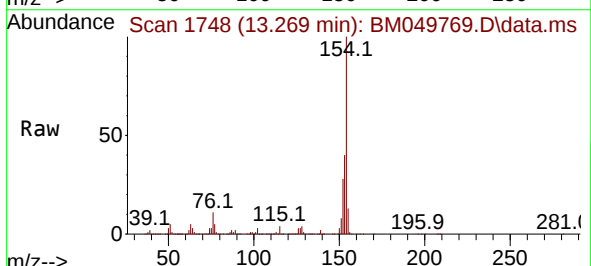
Tgt Ion:154 Resp: 3538836

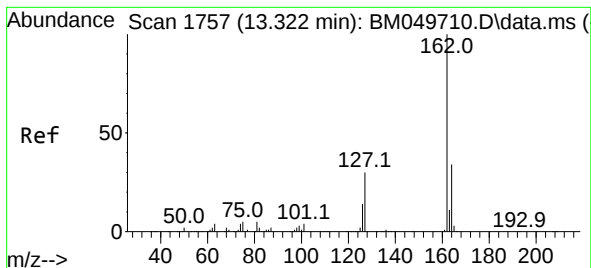
Ion Ratio Lower Upper

154 100

153 39.8 19.7 59.7

76 11.4 0.0 31.2





#47

2-Chloronaphthalene

Concen: 52.495 ng

RT: 13.310 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM049769.D

Acq: 01 Apr 2025 11:36

Instrument :

BNA_M

ClientSampleId :

PB167400BS

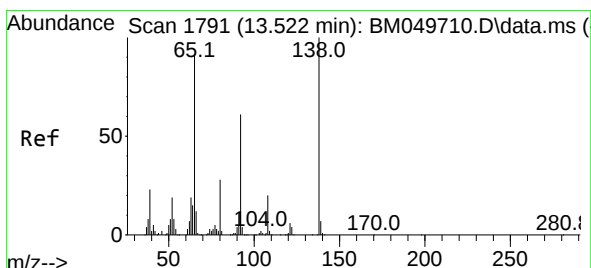
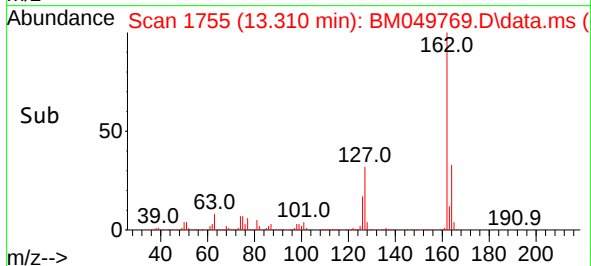
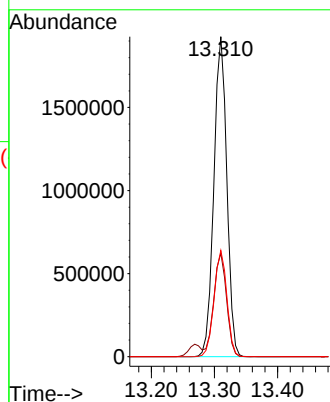
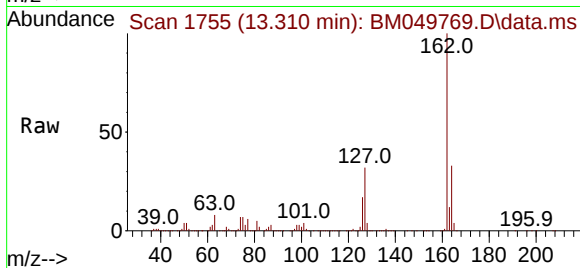
Tgt Ion:162 Resp: 2742056

Ion Ratio Lower Upper

162 100

127 32.4 25.8 38.6

164 33.2 27.1 40.7



#48

2-Nitroaniline

Concen: 54.422 ng

RT: 13.510 min Scan# 1789

Delta R.T. -0.012 min

Lab File: BM049769.D

Acq: 01 Apr 2025 11:36

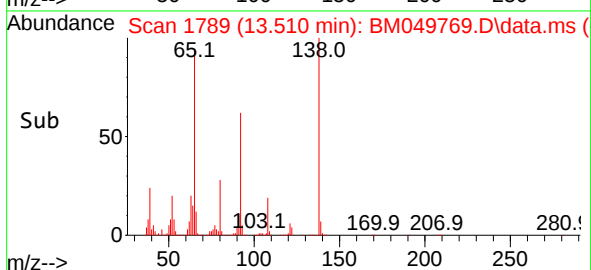
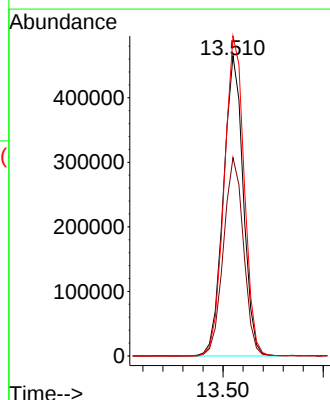
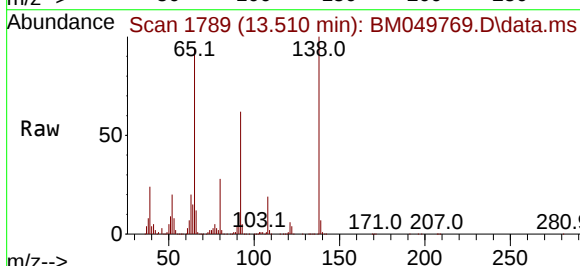
Tgt Ion: 65 Resp: 638148

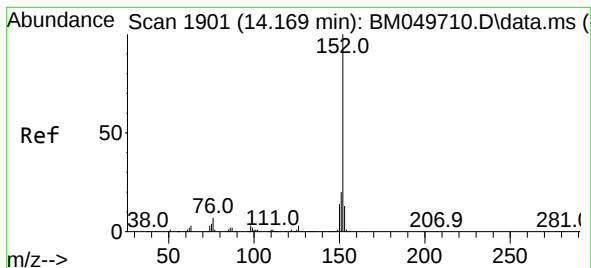
Ion Ratio Lower Upper

65 100

92 66.1 53.4 80.2

138 106.6 87.6 131.4





#49

Acenaphthylene

Concen: 57.946 ng

RT: 14.157 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM049769.D

Acq: 01 Apr 2025 11:36

Instrument :

BNA_M

ClientSampleId :

PB167400BS

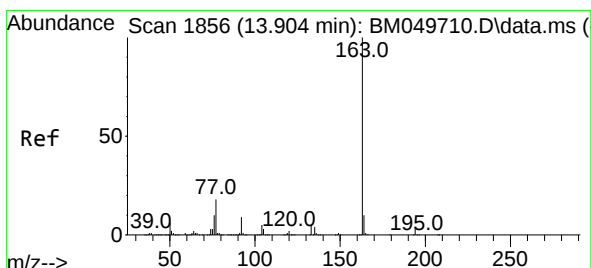
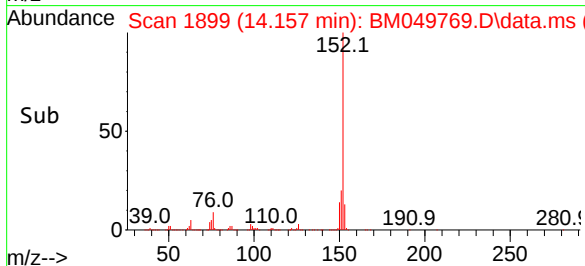
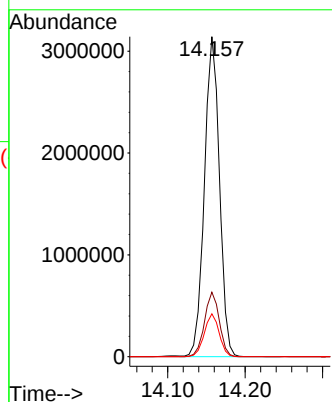
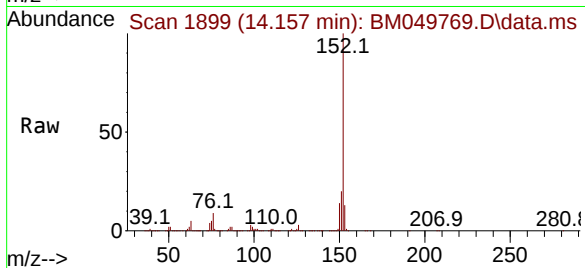
Tgt Ion:152 Resp: 4230749

Ion Ratio Lower Upper

152 100

151 20.1 15.8 23.8

153 13.4 10.2 15.4



#50

Dimethylphthalate

Concen: 52.260 ng

RT: 13.898 min Scan# 1855

Delta R.T. -0.006 min

Lab File: BM049769.D

Acq: 01 Apr 2025 11:36

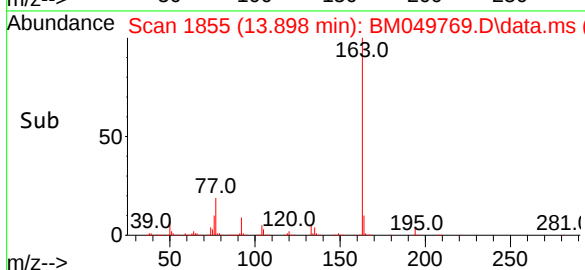
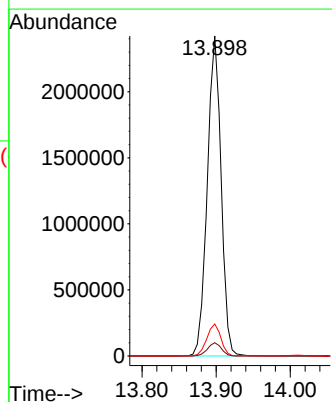
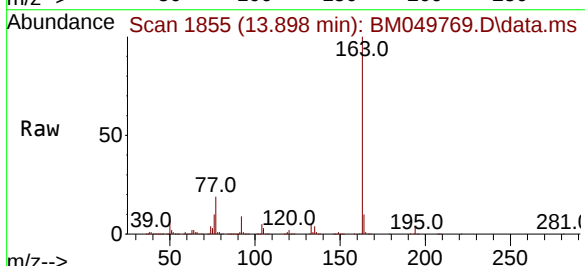
Tgt Ion:163 Resp: 3132921

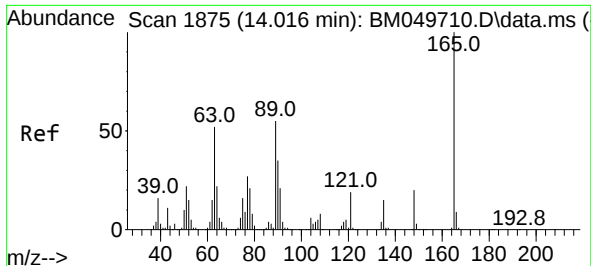
Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.0

164 10.0 8.2 12.2

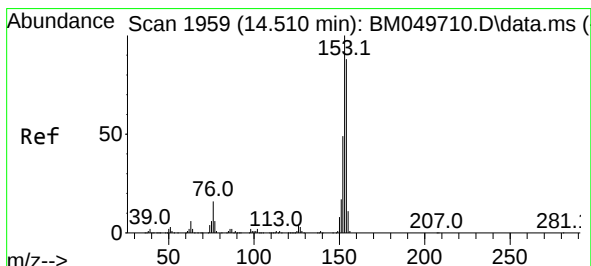
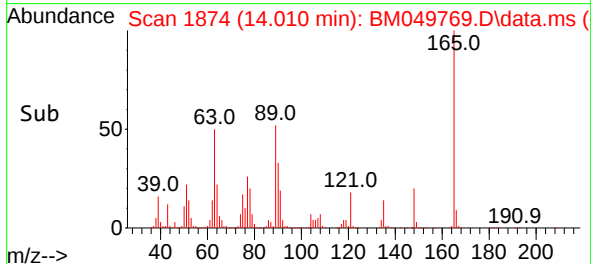
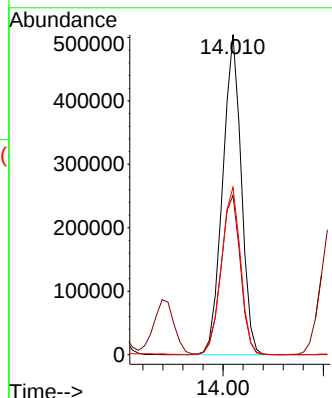
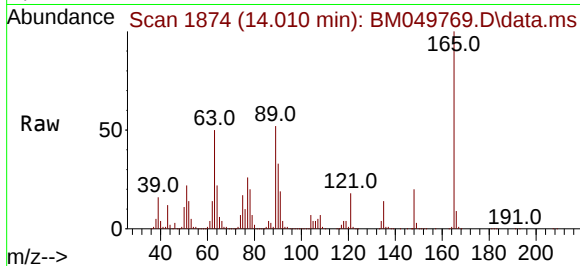




#51
2,6-Dinitrotoluene
Concen: 53.866 ng
RT: 14.010 min Scan# 1875
Delta R.T. -0.006 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

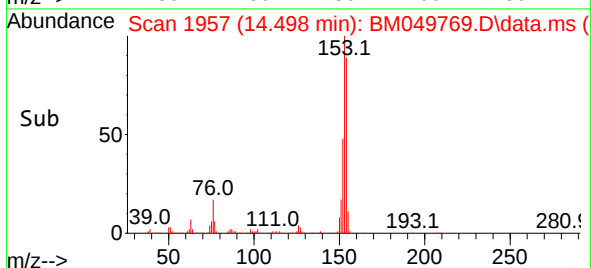
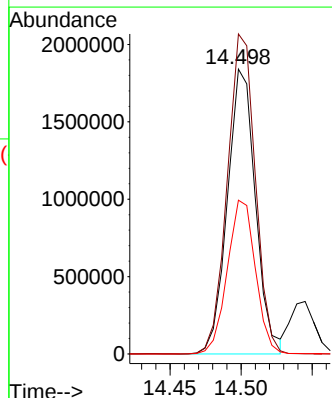
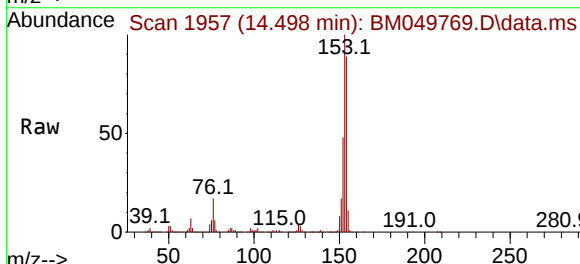
Instrument :
BNA_M
ClientSampleId :
PB167400BS

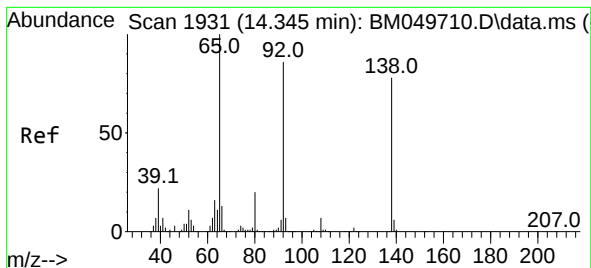
Tgt Ion:165 Resp: 647036
Ion Ratio Lower Upper
165 100
63 49.8 42.3 63.5
89 52.3 43.9 65.9



#52
Acenaphthene
Concen: 52.863 ng
RT: 14.498 min Scan# 1957
Delta R.T. -0.012 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

Tgt Ion:154 Resp: 2531721
Ion Ratio Lower Upper
154 100
153 112.4 90.4 135.6
152 54.0 44.2 66.2

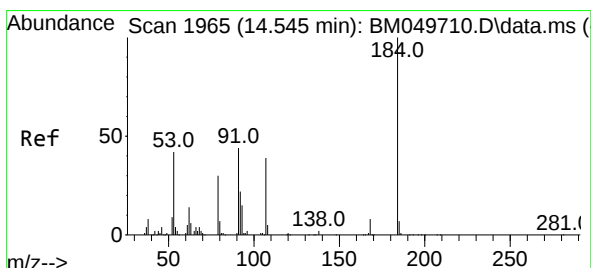
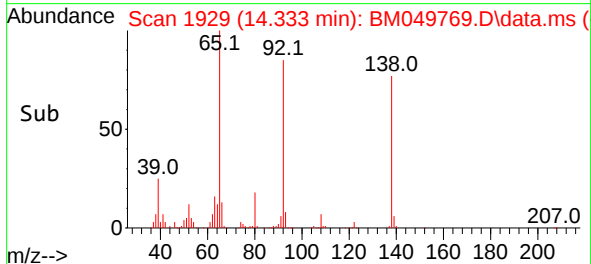
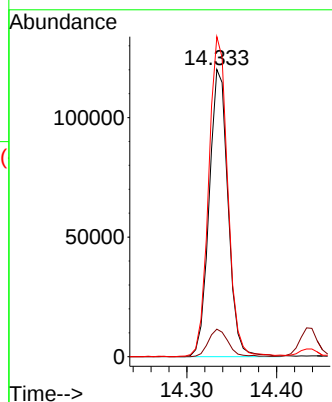
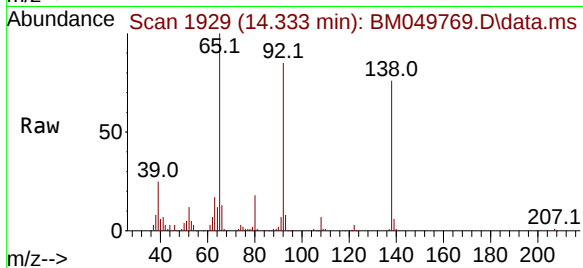




#53
3-Nitroaniline
Concen: 15.359 ng
RT: 14.333 min Scan# 1929
Delta R.T. -0.012 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

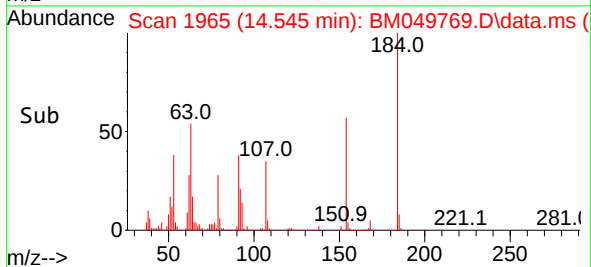
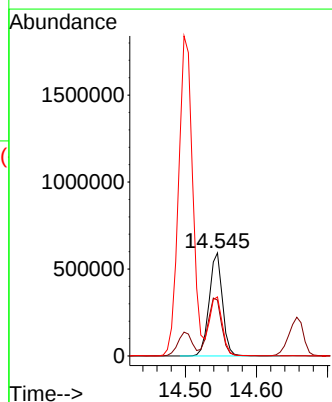
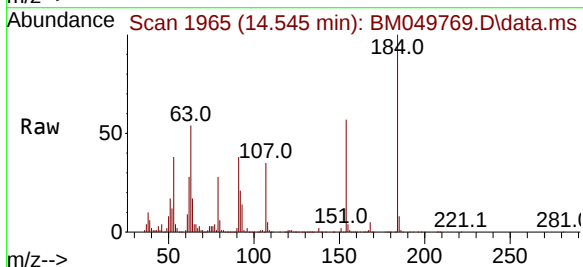
Instrument :
BNA_M
ClientSampleId :
PB167400BS

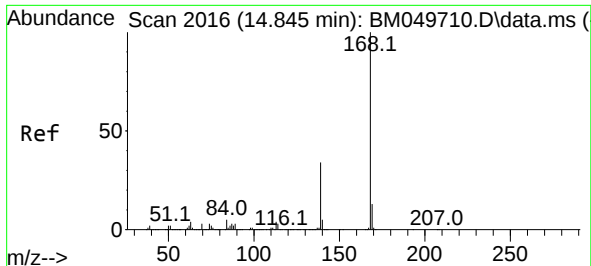
Tgt Ion:138 Resp: 175565
Ion Ratio Lower Upper
138 100
108 9.6 7.5 11.3
92 111.4 88.0 132.0



#54
2,4-Dinitrophenol
Concen: 94.063 ng
RT: 14.545 min Scan# 1965
Delta R.T. 0.000 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

Tgt Ion:184 Resp: 770357
Ion Ratio Lower Upper
184 100
63 54.1 47.2 70.8
154 57.3 49.9 74.9

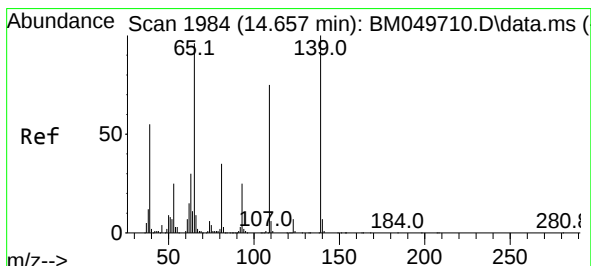
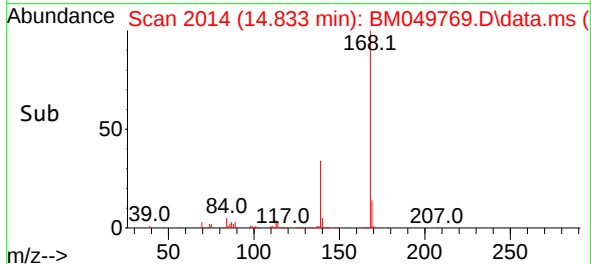
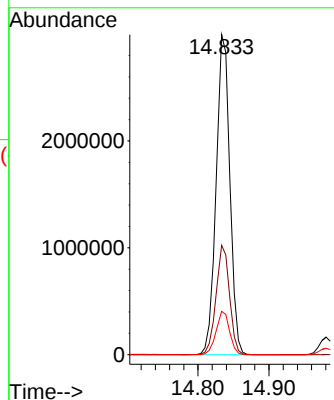
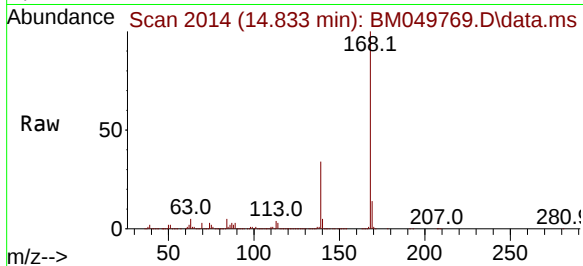




#55
Dibenzenofuran
Concen: 50.112 ng
RT: 14.833 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

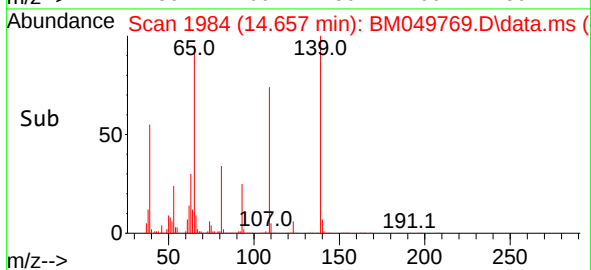
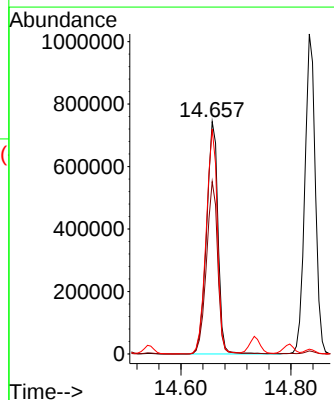
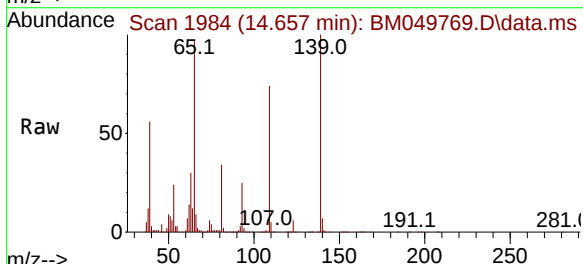
Instrument :
BNA_M
ClientSampleId :
PB167400BS

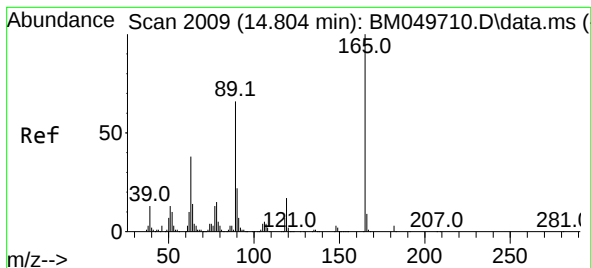
Tgt Ion:168 Resp: 3999087
Ion Ratio Lower Upper
168 100
139 34.2 27.4 41.0
169 13.5 10.7 16.1



#56
4-Nitrophenol
Concen: 107.994 ng
RT: 14.657 min Scan# 1984
Delta R.T. -0.000 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

Tgt Ion:139 Resp: 1074527
Ion Ratio Lower Upper
139 100
109 74.2 54.7 94.7
65 96.9 76.2 116.2





#57

2,4-Dinitrotoluene

Concen: 56.618 ng

RT: 14.798 min Scan# 20

Delta R.T. -0.006 min

Lab File: BM049769.D

Acq: 01 Apr 2025 11:36

Instrument :

BNA_M

ClientSampleId :

PB167400BS

Tgt Ion:165 Resp: 875134

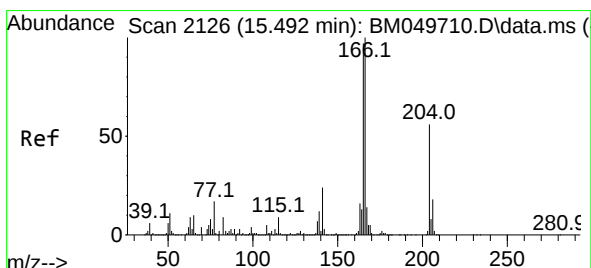
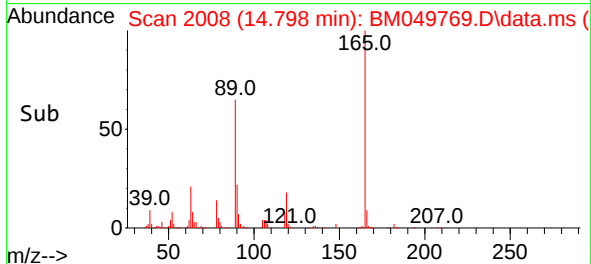
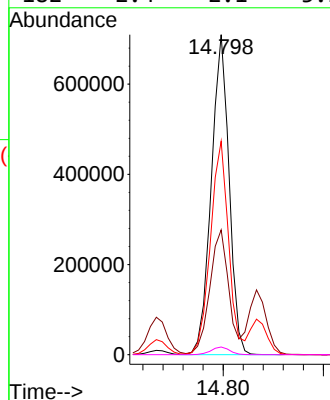
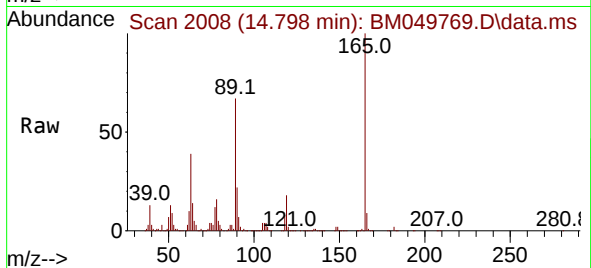
Ion Ratio Lower Upper

165 100

63 39.0 30.8 46.2

89 66.7 53.1 79.7

182 2.4 2.1 3.1



#58

Fluorene

Concen: 56.165 ng

RT: 15.486 min Scan# 2125

Delta R.T. -0.006 min

Lab File: BM049769.D

Acq: 01 Apr 2025 11:36

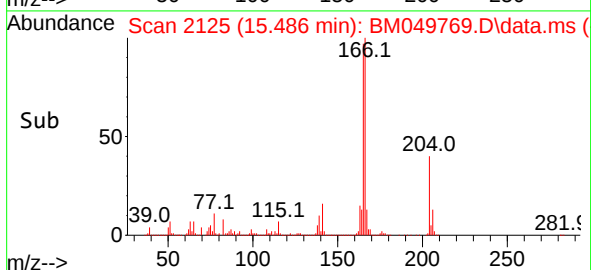
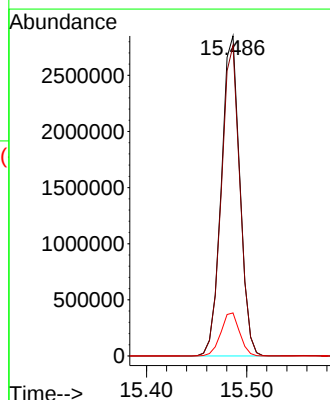
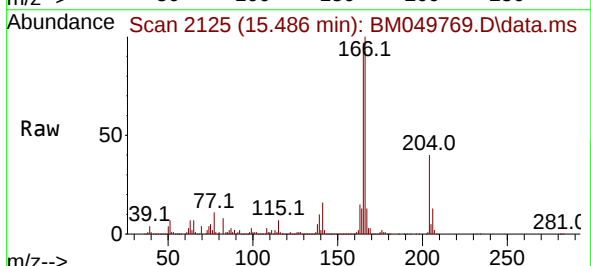
Tgt Ion:166 Resp: 3649258

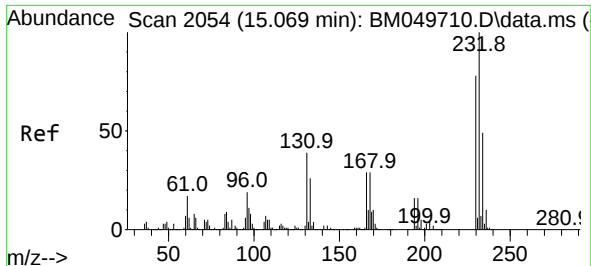
Ion Ratio Lower Upper

166 100

165 97.0 77.5 116.3

167 13.5 10.9 16.3

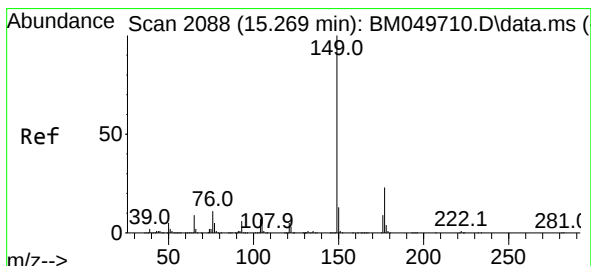
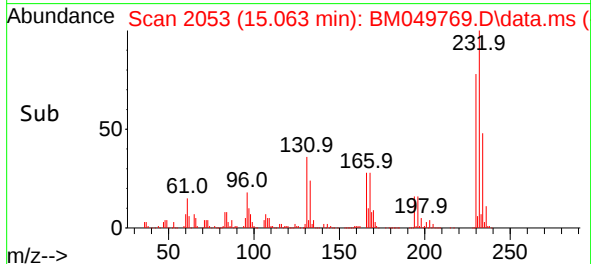
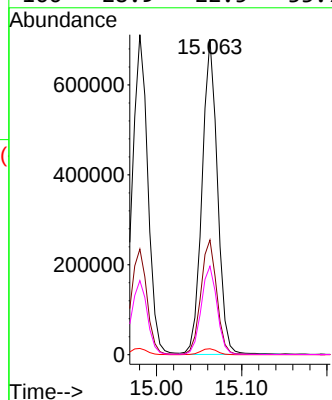
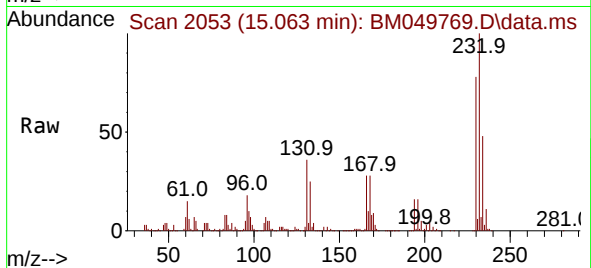




#59
2,3,4,6-Tetrachlorophenol
Concen: 53.742 ng
RT: 15.063 min Scan# 2053
Delta R.T. -0.006 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

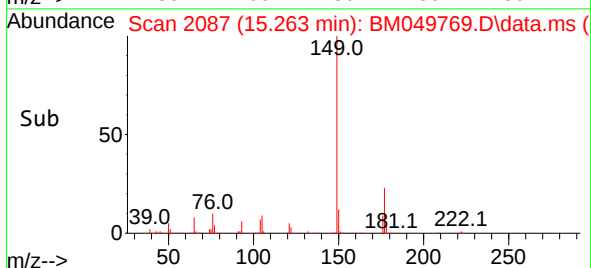
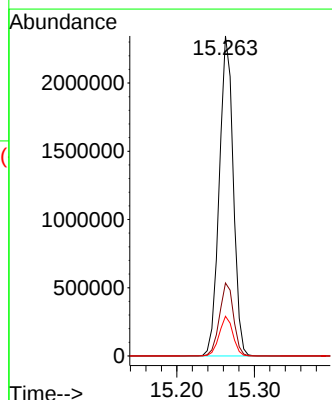
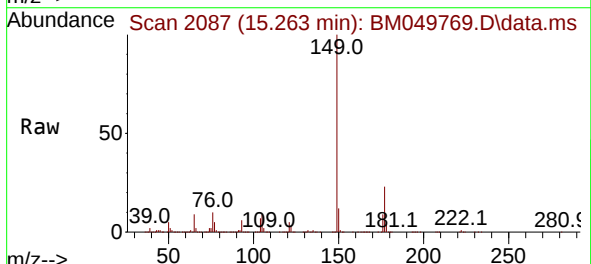
Instrument :
BNA_M
ClientSampleId :
PB167400BS

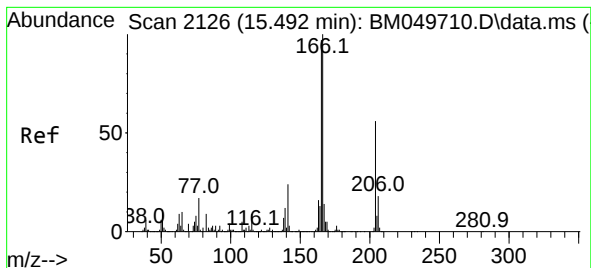
Tgt Ion:232 Resp: 879370
Ion Ratio Lower Upper
232 100
131 37.7 30.0 45.0
130 2.1 1.6 2.4
166 28.9 22.5 33.7



#60
Diethylphthalate
Concen: 51.932 ng
RT: 15.263 min Scan# 2087
Delta R.T. -0.006 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

Tgt Ion:149 Resp: 2932175
Ion Ratio Lower Upper
149 100
177 22.8 18.2 27.2
150 12.4 10.0 15.0

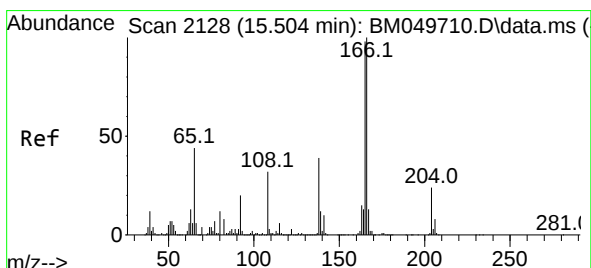
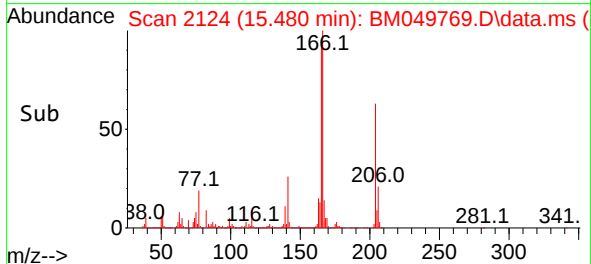
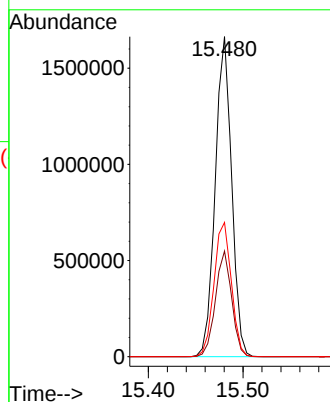
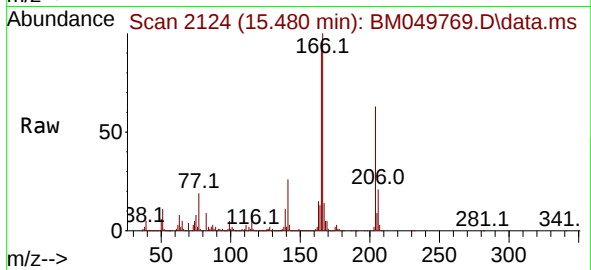




#61
4-Chlorophenyl-phenylether
Concen: 56.552 ng
RT: 15.480 min Scan# 2124
Delta R.T. -0.012 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

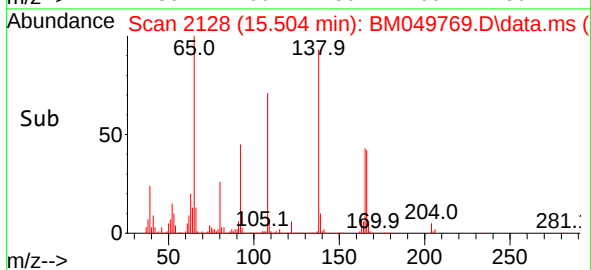
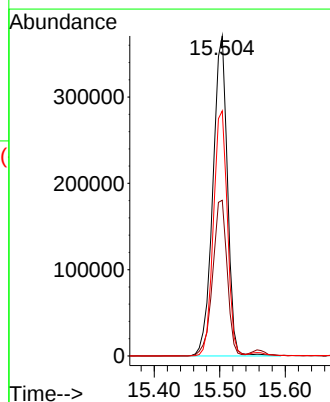
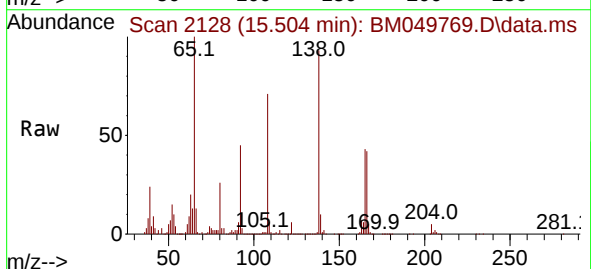
Instrument :
BNA_M
ClientSampleId :
PB167400BS

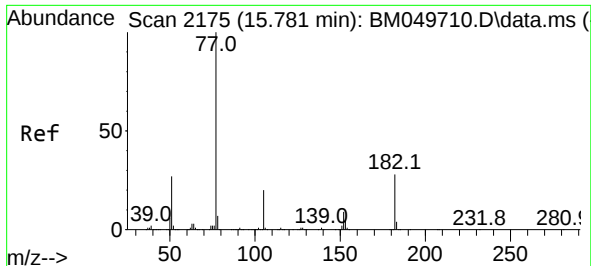
Tgt Ion:204 Resp: 2006438
Ion Ratio Lower Upper
204 100
206 33.0 25.2 37.8
141 42.0 34.5 51.7



#62
4-Nitroaniline
Concen: 42.516 ng
RT: 15.504 min Scan# 2128
Delta R.T. -0.000 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

Tgt Ion:138 Resp: 571895
Ion Ratio Lower Upper
138 100
92 48.7 29.8 69.8
108 76.6 61.3 101.3

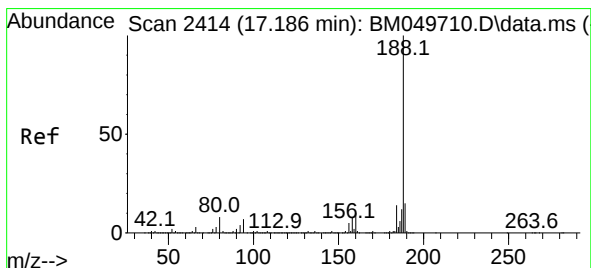
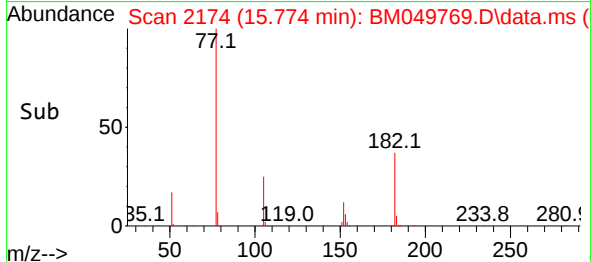
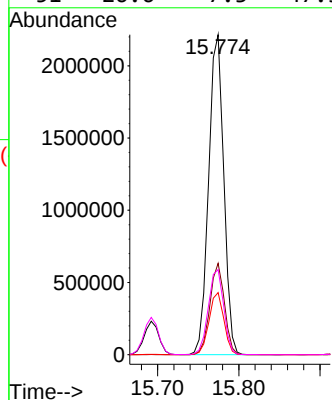
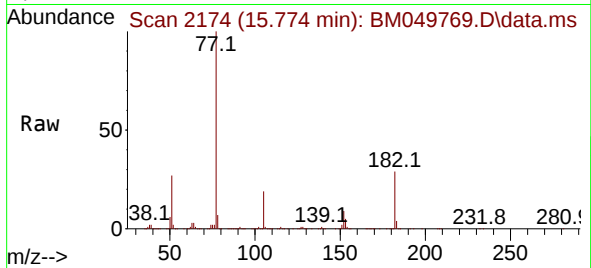




#63
Azobenzene
Concen: 53.091 ng
RT: 15.774 min Scan# 2174
Delta R.T. -0.006 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

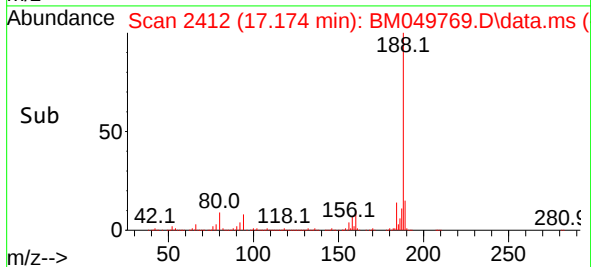
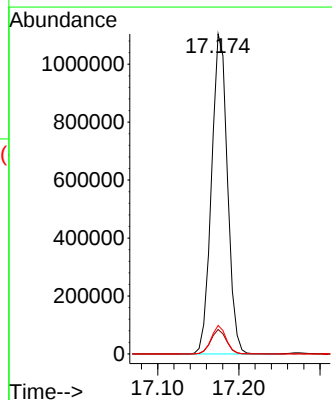
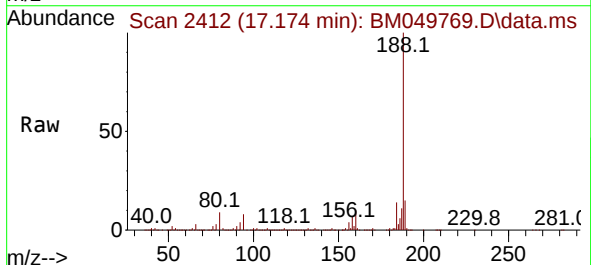
Instrument :
BNA_M
ClientSampleId :
PB167400BS

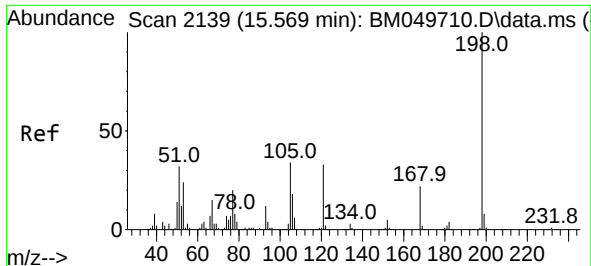
Tgt Ion: 77 Resp: 2863223
Ion Ratio Lower Upper
77 100
182 28.6 8.0 48.0
105 19.4 0.0 40.0
51 26.6 7.3 47.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.174 min Scan# 2412
Delta R.T. -0.012 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

Tgt Ion: 188 Resp: 1504264
Ion Ratio Lower Upper
188 100
94 7.6 5.8 8.6
80 8.9 6.3 9.5

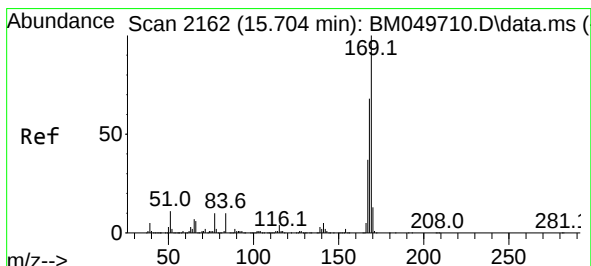
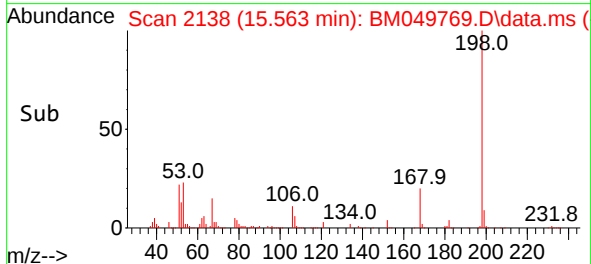
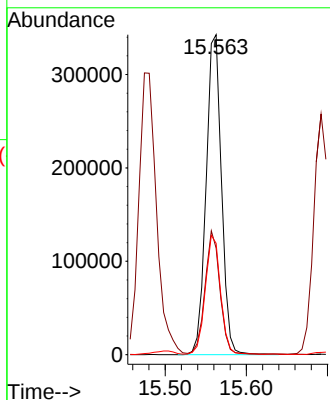
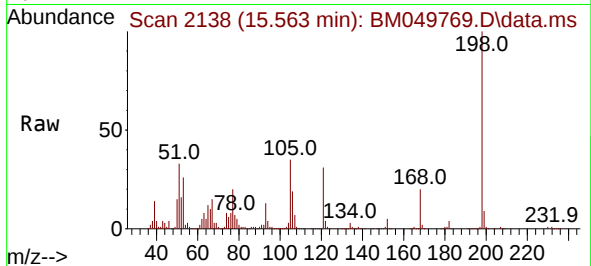




#65
4,6-Dinitro-2-methylphenol
Concen: 53.272 ng
RT: 15.563 min Scan# 2139
Delta R.T. -0.006 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

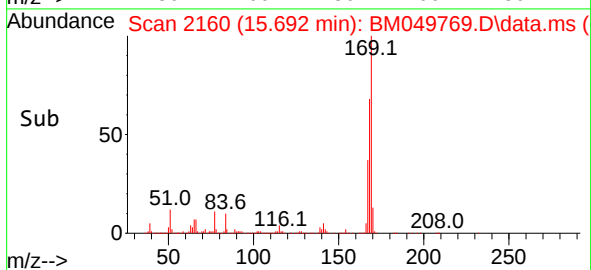
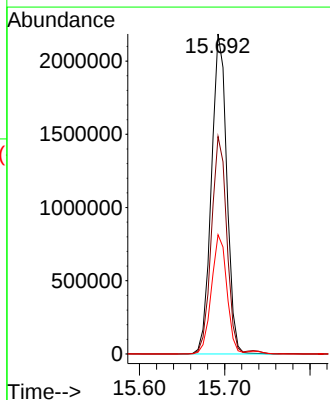
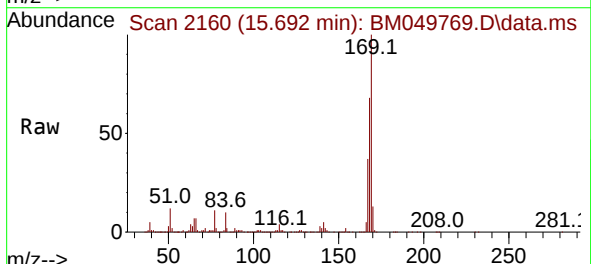
Instrument :
BNA_M
ClientSampleId :
PB167400BS

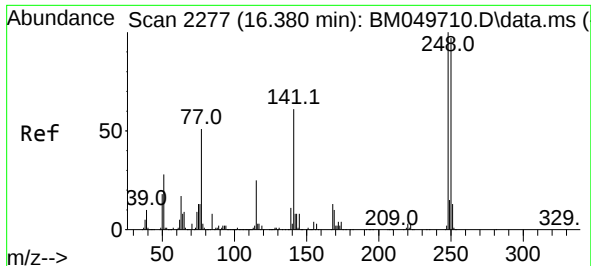
Tgt Ion:198 Resp: 448823
Ion Ratio Lower Upper
198 100
51 33.3 13.8 53.8
105 34.8 14.0 54.0



#66
n-Nitrosodiphenylamine
Concen: 60.058 ng
RT: 15.692 min Scan# 2160
Delta R.T. -0.012 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

Tgt Ion:169 Resp: 2737224
Ion Ratio Lower Upper
169 100
168 67.9 54.8 82.2
167 37.2 29.9 44.9

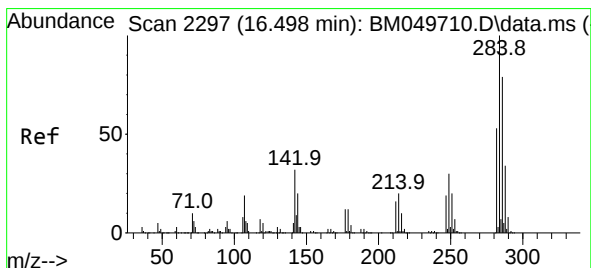
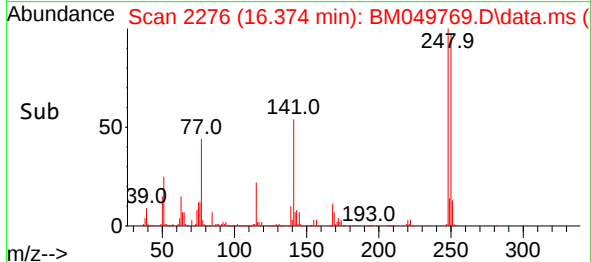
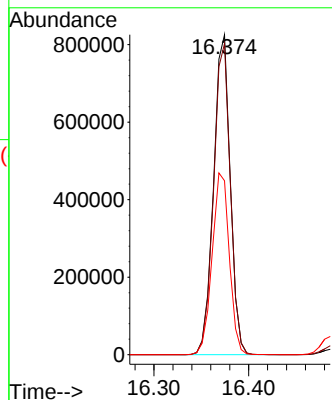
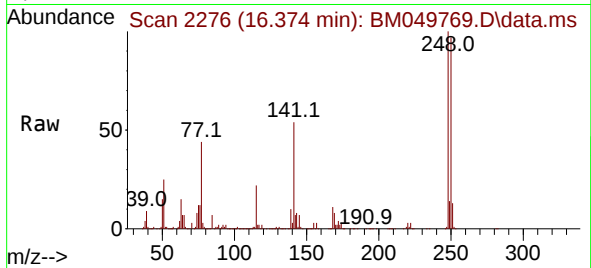




#67
4-Bromophenyl-phenylether
Concen: 58.015 ng
RT: 16.374 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

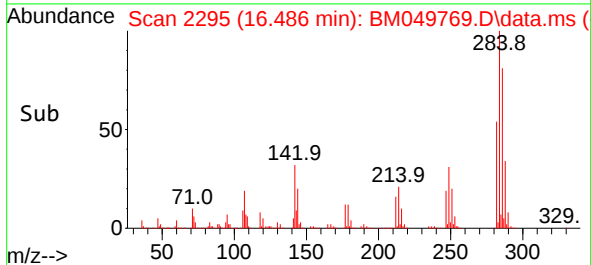
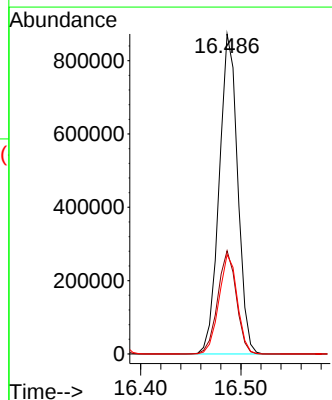
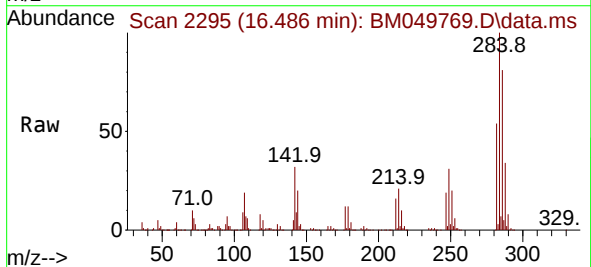
Instrument :
BNA_M
ClientSampleId :
PB167400BS

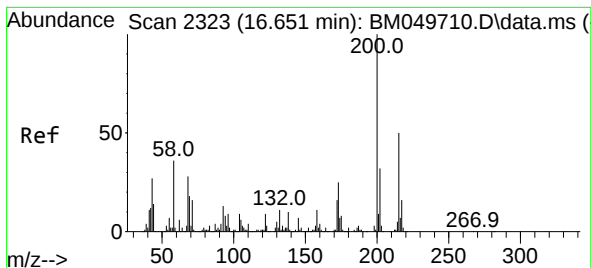
Tgt Ion:248 Resp: 1007589
Ion Ratio Lower Upper
248 100
250 97.2 77.9 116.9
141 54.3 48.6 73.0



#68
Hexachlorobenzene
Concen: 57.026 ng
RT: 16.486 min Scan# 2295
Delta R.T. -0.012 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

Tgt Ion:284 Resp: 1113744
Ion Ratio Lower Upper
284 100
142 32.3 25.5 38.3
249 31.1 24.2 36.2





#69

Atrazine

Concen: 85.250 ng

RT: 16.645 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM049769.D

Acq: 01 Apr 2025 11:36

Instrument :

BNA_M

ClientSampleId :

PB167400BS

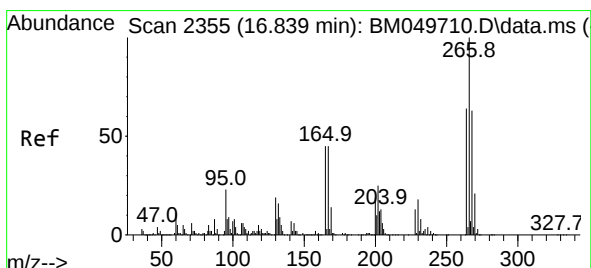
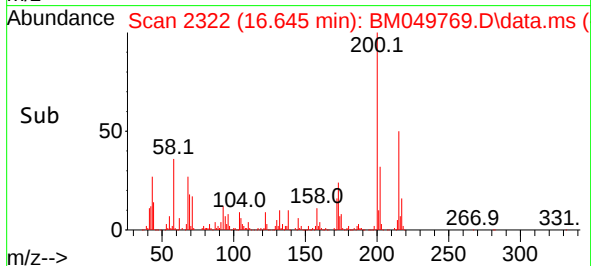
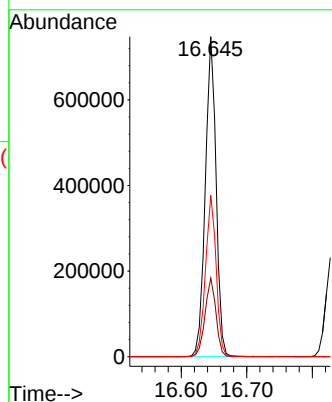
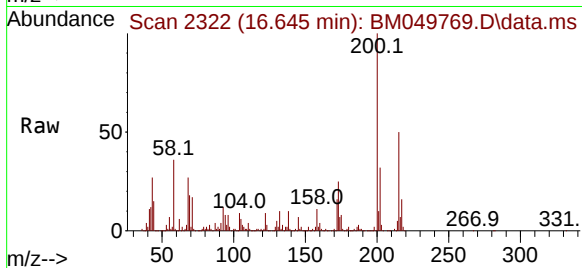
Tgt Ion:200 Resp: 856274

Ion Ratio Lower Upper

200 100

173 24.5 5.4 45.4

215 50.4 29.8 69.8



#70

Pentachlorophenol

Concen: 128.232 ng

RT: 16.833 min Scan# 2354

Delta R.T. -0.006 min

Lab File: BM049769.D

Acq: 01 Apr 2025 11:36

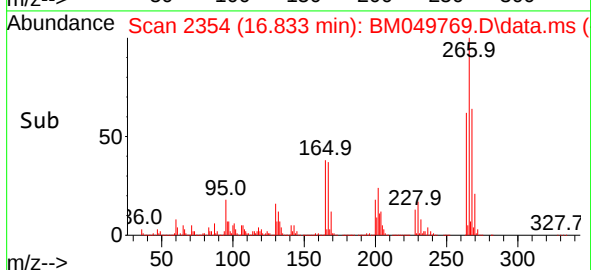
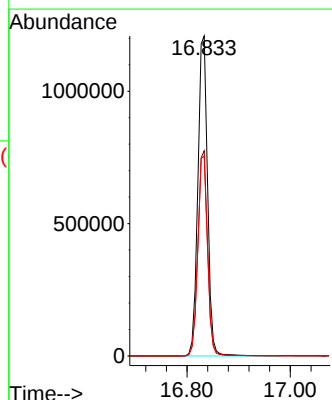
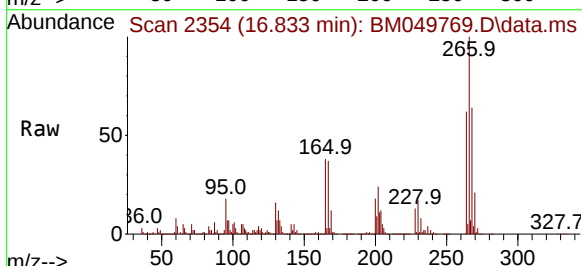
Tgt Ion:266 Resp: 1573838

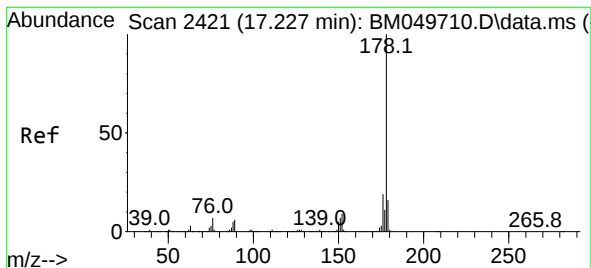
Ion Ratio Lower Upper

266 100

268 64.1 50.2 75.2

264 62.4 51.3 76.9





#71

Phenanthrene

Concen: 56.399 ng

RT: 17.221 min Scan# 2421

Delta R.T. -0.006 min

Lab File: BM049769.D

Acq: 01 Apr 2025 11:36

Instrument :

BNA_M

ClientSampleId :

PB167400BS

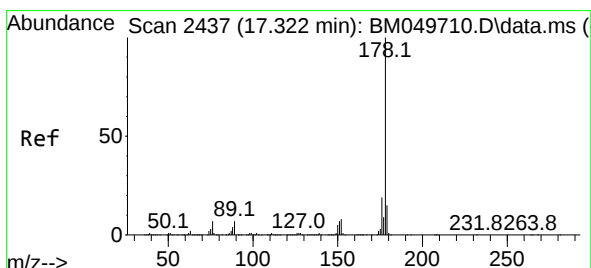
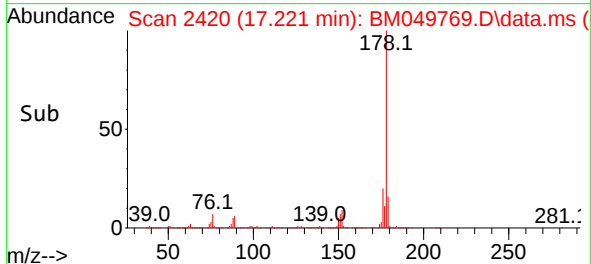
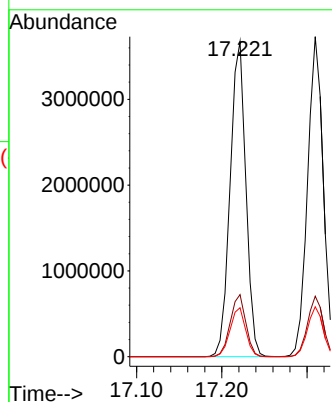
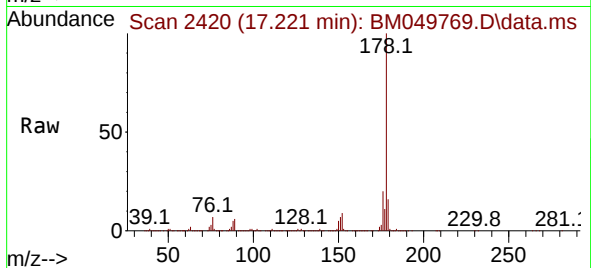
Tgt Ion:178 Resp: 4710906

Ion Ratio Lower Upper

178 100

176 19.7 15.5 23.3

179 15.5 12.5 18.7



#72

Anthracene

Concen: 58.838 ng

RT: 17.310 min Scan# 2435

Delta R.T. -0.012 min

Lab File: BM049769.D

Acq: 01 Apr 2025 11:36

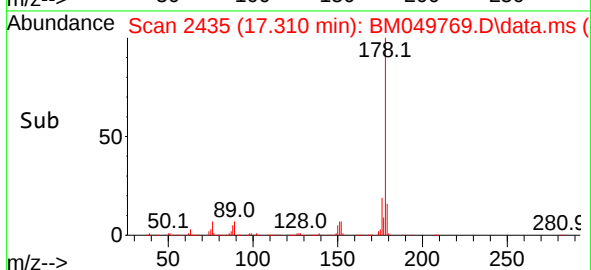
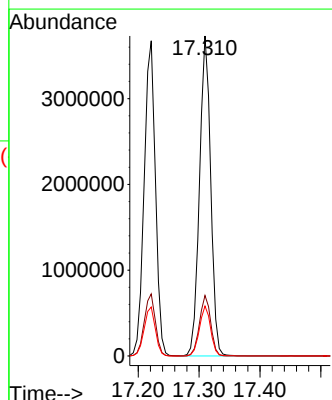
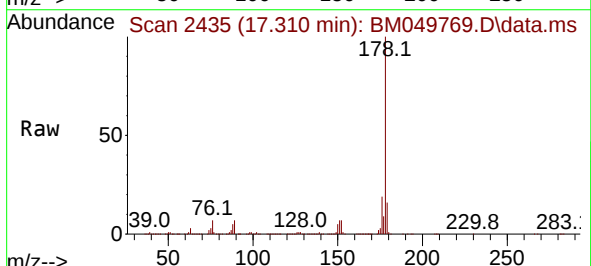
Tgt Ion:178 Resp: 4759595

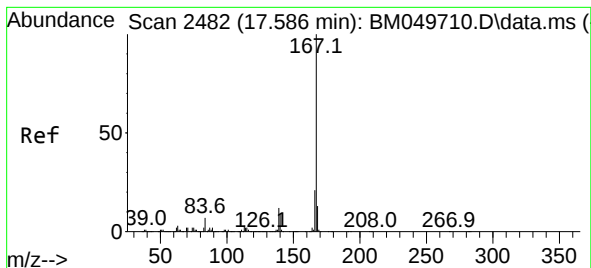
Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

179 15.6 12.4 18.6





#73

Carbazole

Concen: 53.503 ng

RT: 17.574 min Scan# 24

Delta R.T. -0.012 min

Lab File: BM049769.D

Acq: 01 Apr 2025 11:36

Instrument :

BNA_M

ClientSampleId :

PB167400BS

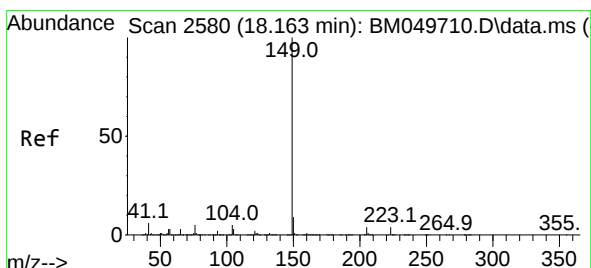
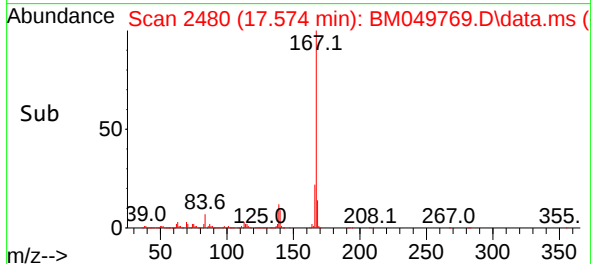
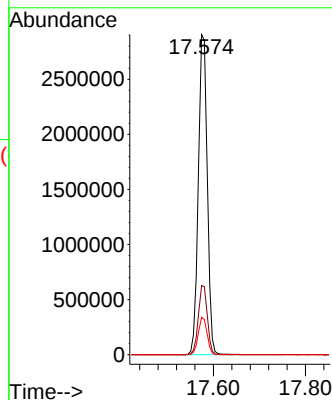
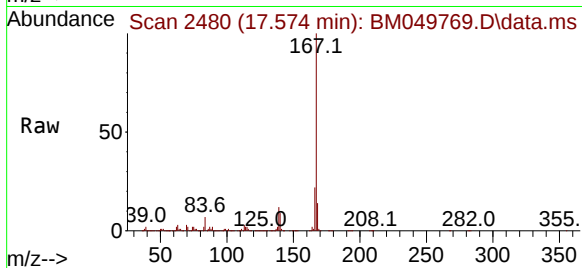
Tgt Ion:167 Resp: 3919599

Ion Ratio Lower Upper

167 100

166 21.6 17.0 25.6

139 11.7 9.4 14.2



#74

Di-n-butylphthalate

Concen: 53.719 ng

RT: 18.151 min Scan# 2578

Delta R.T. -0.012 min

Lab File: BM049769.D

Acq: 01 Apr 2025 11:36

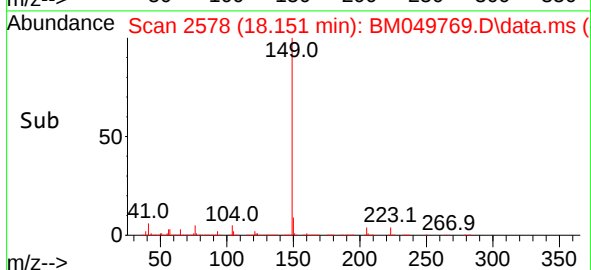
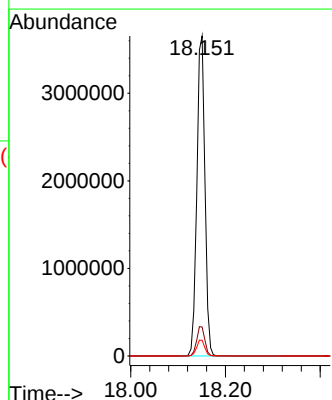
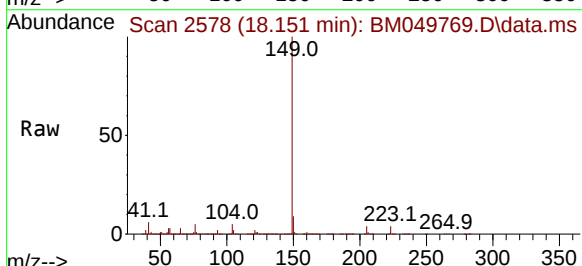
Tgt Ion:149 Resp: 4313405

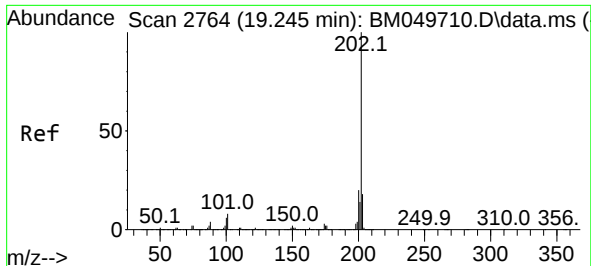
Ion Ratio Lower Upper

149 100

150 9.1 7.2 10.8

104 4.9 3.9 5.9

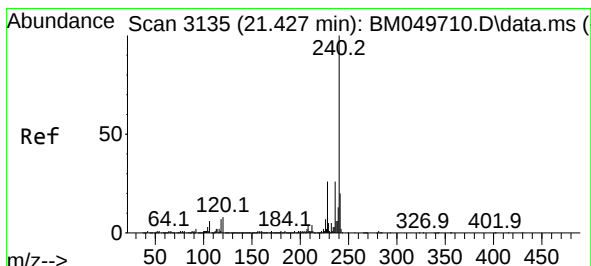
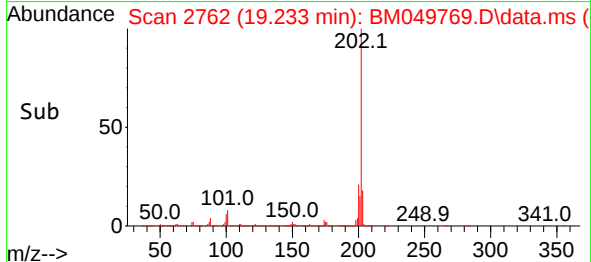
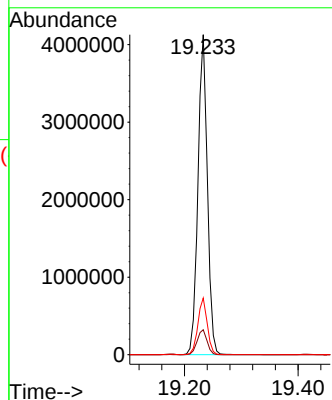
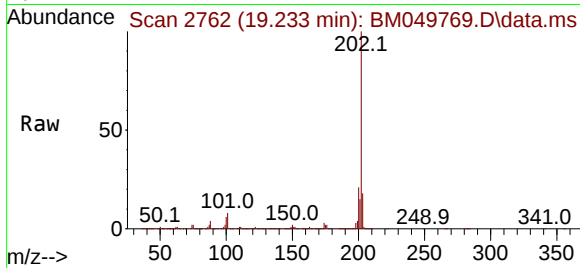




#75
Fluoranthene
Concen: 49.617 ng
RT: 19.233 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

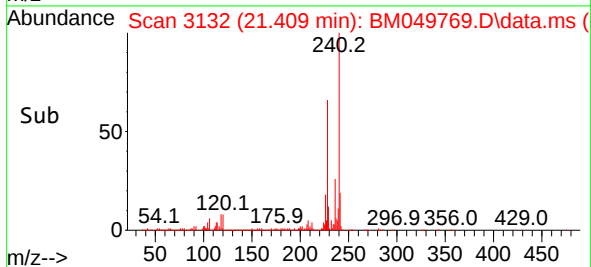
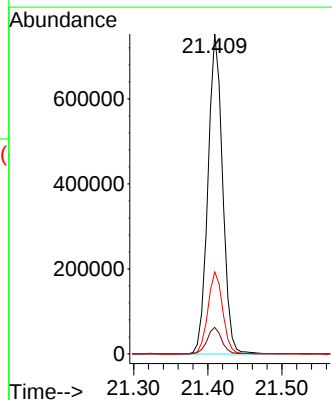
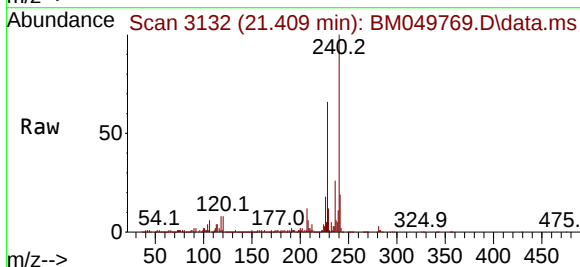
Instrument :
BNA_M
ClientSampleId :
PB167400BS

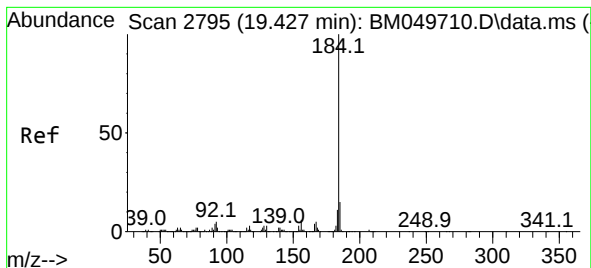
Tgt Ion:202 Resp: 4771391
Ion Ratio Lower Upper
202 100
101 7.8 0.0 27.8
203 17.7 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.409 min Scan# 3132
Delta R.T. -0.018 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

Tgt Ion:240 Resp: 1032236
Ion Ratio Lower Upper
240 100
120 8.3 6.5 9.7
236 25.7 20.7 31.1





#77

Benzidine

Concen: 92.642 ng

RT: 19.415 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM049769.D

Acq: 01 Apr 2025 11:36

Instrument :

BNA_M

ClientSampleId :

PB167400BS

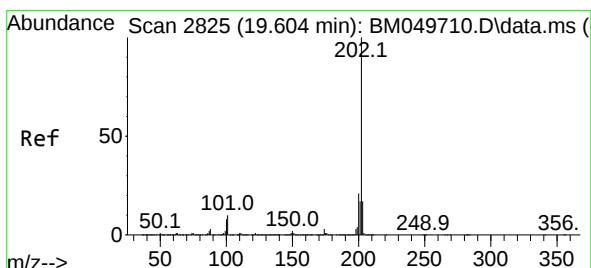
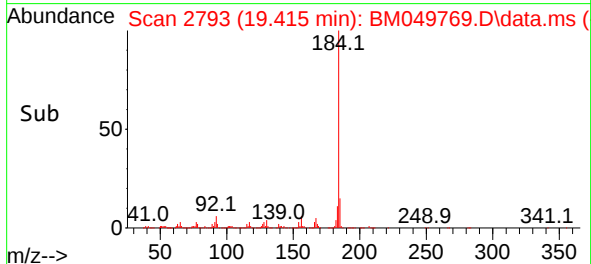
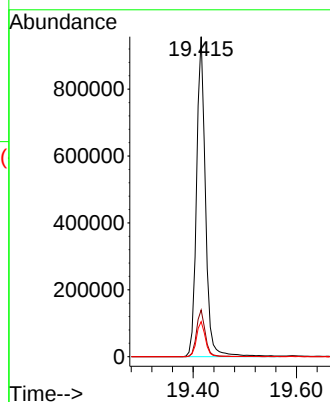
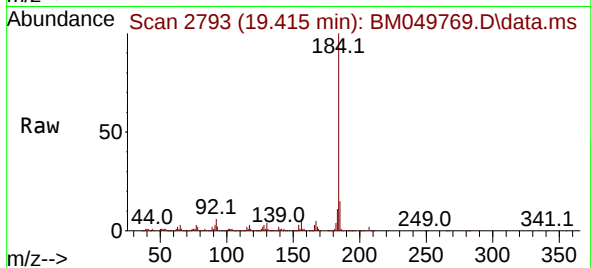
Tgt Ion:184 Resp: 1148880

Ion Ratio Lower Upper

184 100

185 14.6 11.7 17.5

183 10.9 8.8 13.2



#78

Pyrene

Concen: 67.140 ng

RT: 19.592 min Scan# 2823

Delta R.T. -0.012 min

Lab File: BM049769.D

Acq: 01 Apr 2025 11:36

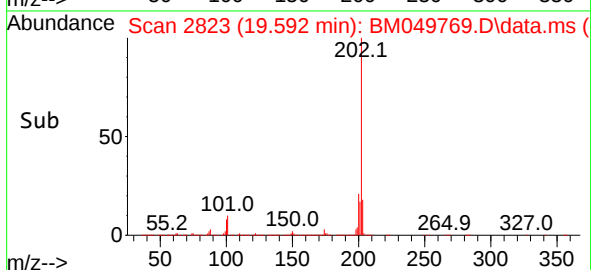
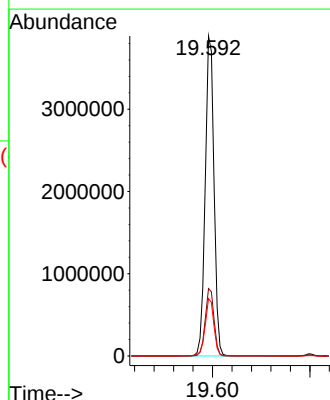
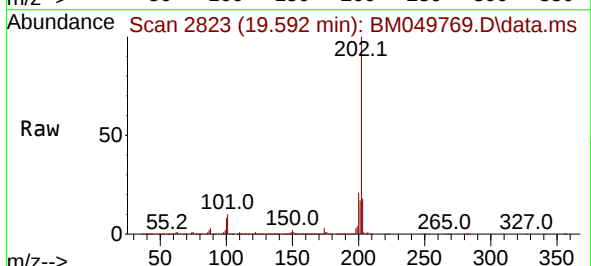
Tgt Ion:202 Resp: 4842028

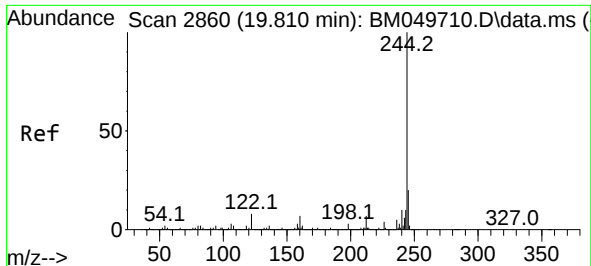
Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.4

203 17.9 14.0 21.0

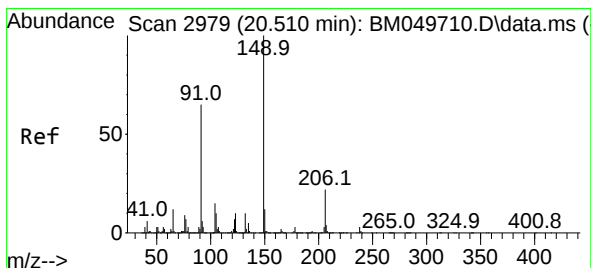
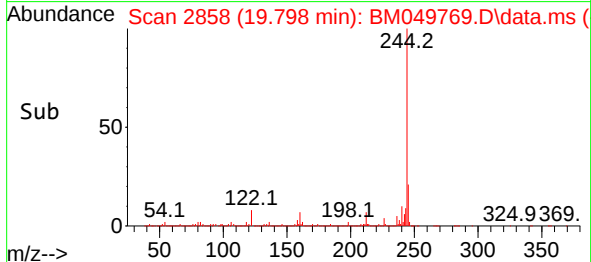
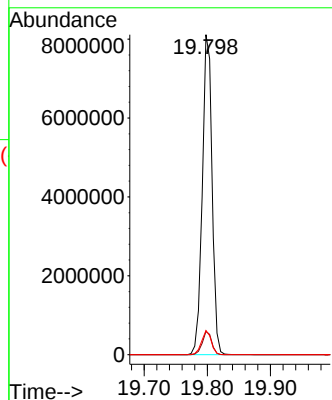
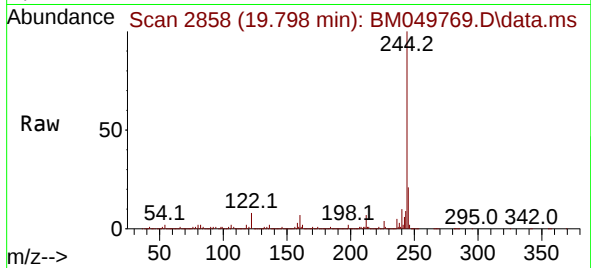




#79
 Terphenyl-d14
 Concen: 141.824 ng
 RT: 19.798 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM049769.D
 Acq: 01 Apr 2025 11:36

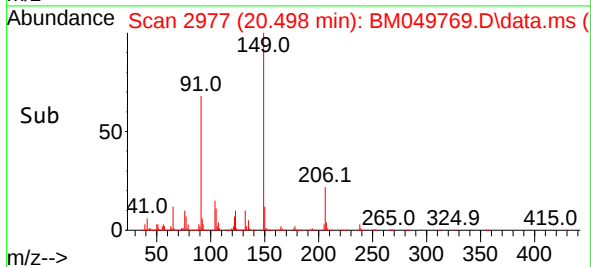
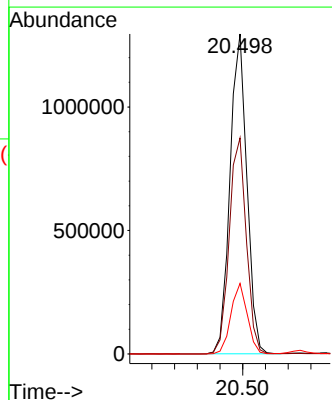
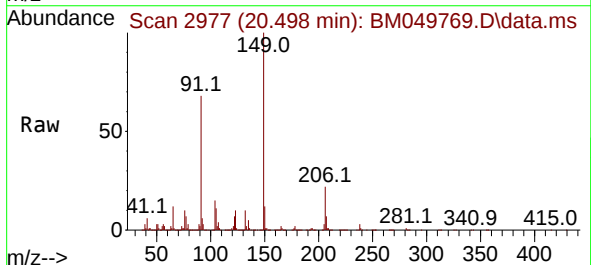
Instrument :
 BNA_M
 ClientSampleId :
 PB167400BS

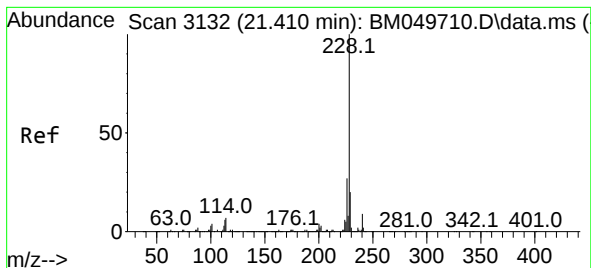
Tgt Ion:244 Resp: 8687581
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.6
 122 7.6 6.0 9.0



#80
 Butylbenzylphthalate
 Concen: 59.621 ng
 RT: 20.498 min Scan# 2977
 Delta R.T. -0.012 min
 Lab File: BM049769.D
 Acq: 01 Apr 2025 11:36

Tgt Ion:149 Resp: 1334372
 Ion Ratio Lower Upper
 149 100
 91 67.5 52.2 78.4
 206 22.0 17.6 26.4





#81

Benzo(a)anthracene

Concen: 55.717 ng

RT: 21.392 min Scan# 3116

Delta R.T. -0.018 min

Lab File: BM049769.D

Acq: 01 Apr 2025 11:36

Instrument :

BNA_M

ClientSampleId :

PB167400BS

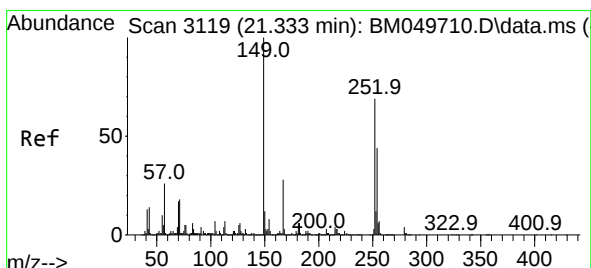
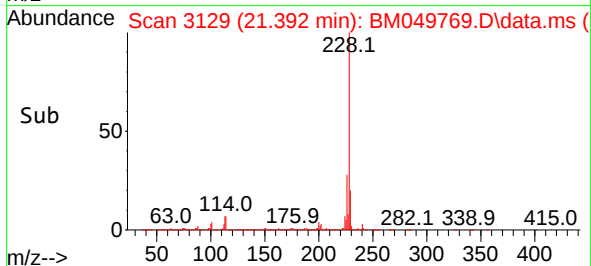
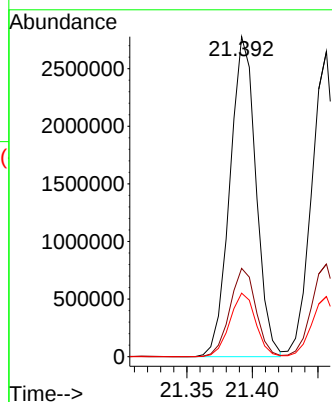
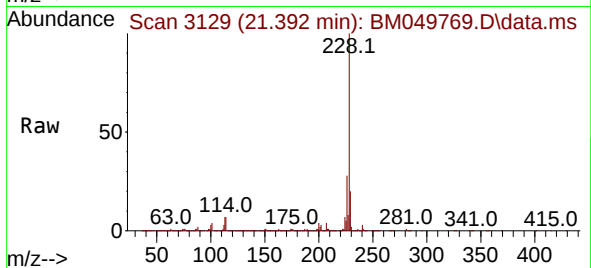
Tgt Ion:228 Resp: 3841507

Ion Ratio Lower Upper

228 100

226 27.6 22.0 33.0

229 19.9 15.8 23.8



#82

3,3'-Dichlorobenzidine

Concen: 18.294 ng

RT: 21.315 min Scan# 3116

Delta R.T. -0.018 min

Lab File: BM049769.D

Acq: 01 Apr 2025 11:36

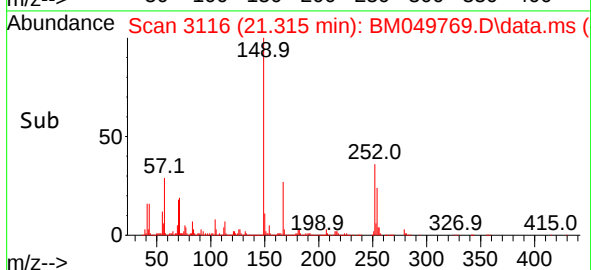
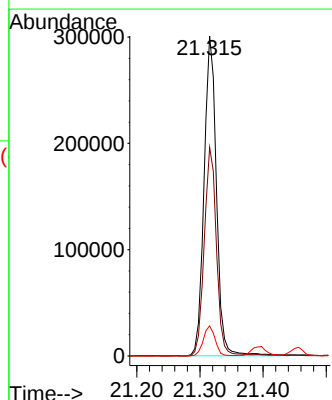
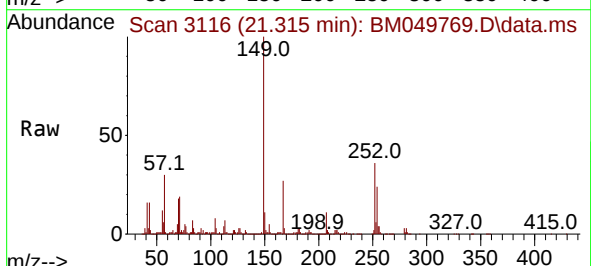
Tgt Ion:252 Resp: 410663

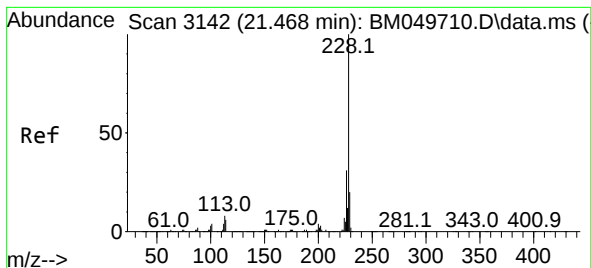
Ion Ratio Lower Upper

252 100

254 65.2 51.0 76.4

126 9.4 6.3 9.5





#83

Chrysene

Concen: 53.886 ng

RT: 21.456 min Scan# 3117

Delta R.T. -0.012 min

Lab File: BM049769.D

Acq: 01 Apr 2025 11:36

Instrument :

BNA_M

ClientSampleId :

PB167400BS

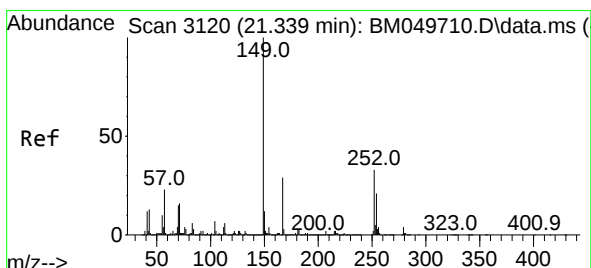
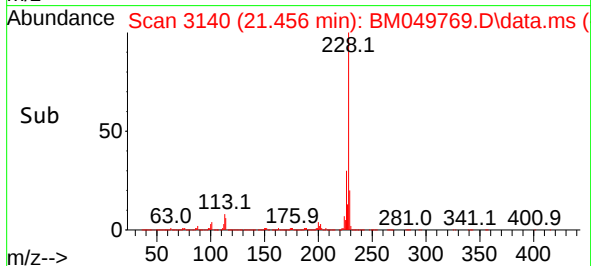
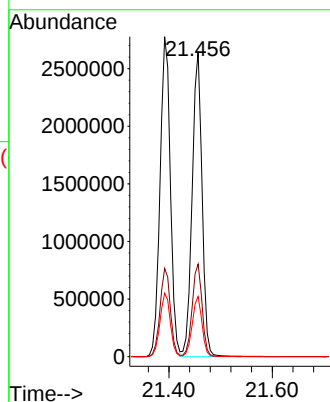
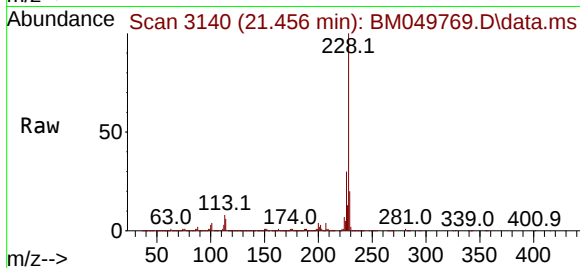
Tgt Ion:228 Resp: 3521837

Ion Ratio Lower Upper

228 100

226 30.3 24.5 36.7

229 19.7 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 53.102 ng

RT: 21.321 min Scan# 3117

Delta R.T. -0.018 min

Lab File: BM049769.D

Acq: 01 Apr 2025 11:36

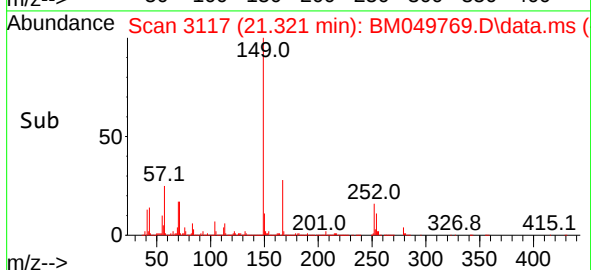
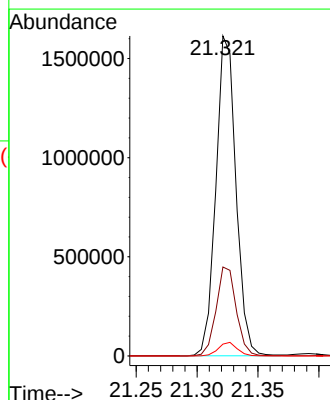
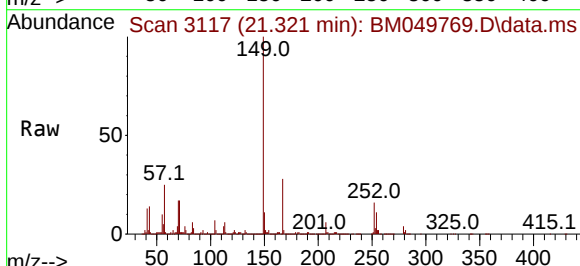
Tgt Ion:149 Resp: 1852182

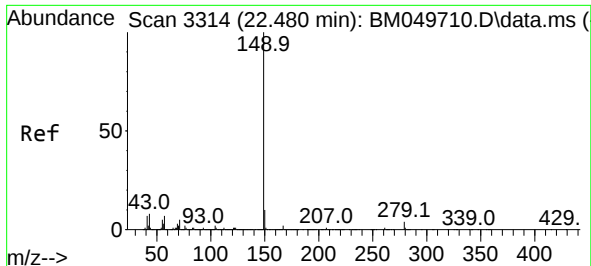
Ion Ratio Lower Upper

149 100

167 27.8 22.9 34.3

279 3.7 3.5 5.3

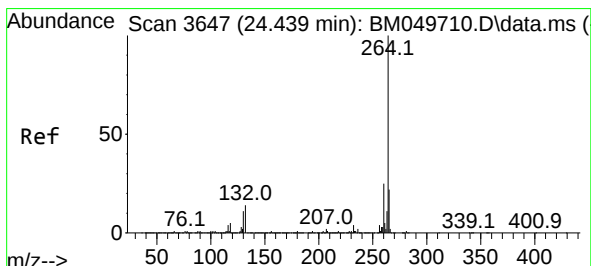
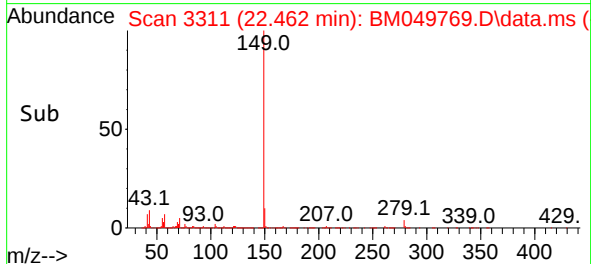
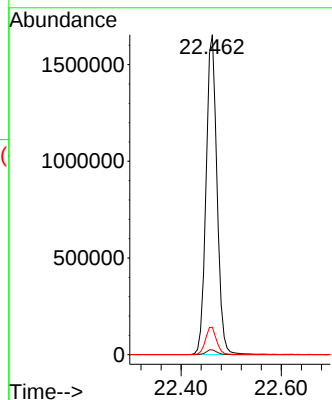
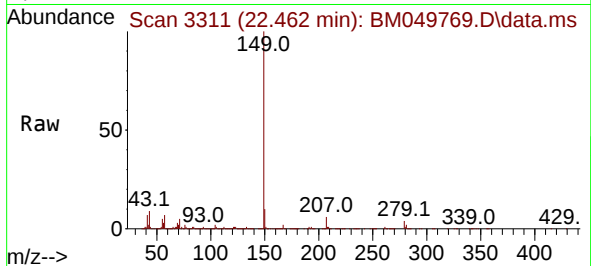




#85
Di-n-octyl phthalate
Concen: 46.076 ng
RT: 22.462 min Scan# 3111
Delta R.T. -0.018 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

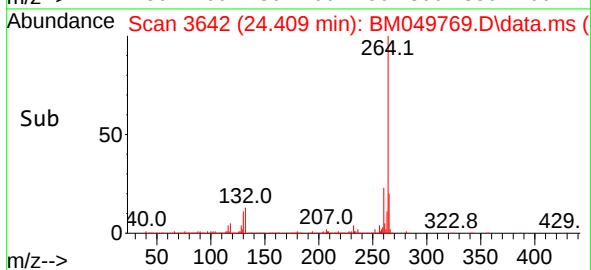
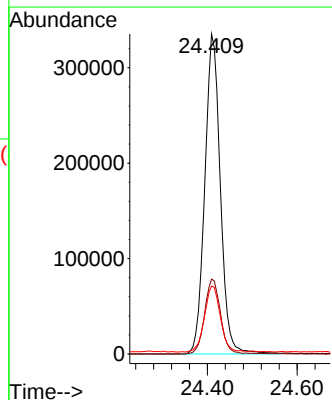
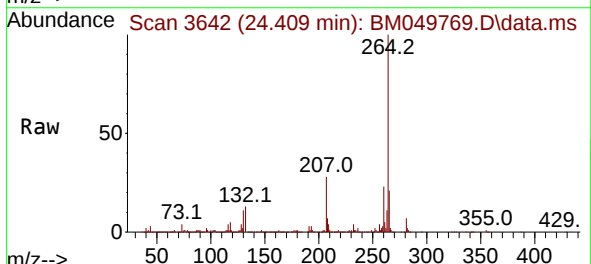
Instrument :
BNA_M
ClientSampleId :
PB167400BS

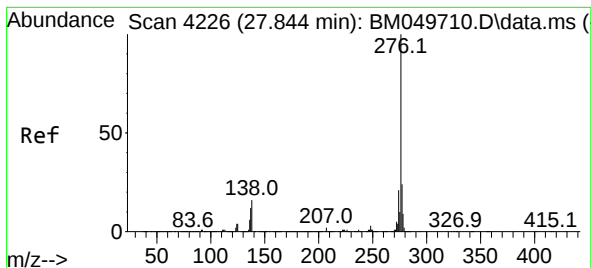
Tgt Ion:149 Resp: 2497893
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 8.8 6.8 10.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.409 min Scan# 3642
Delta R.T. -0.030 min
Lab File: BM049769.D
Acq: 01 Apr 2025 11:36

Tgt Ion:264 Resp: 806129
Ion Ratio Lower Upper
264 100
260 23.4 19.6 29.4
265 21.2 18.2 27.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 53.612 ng

RT: 27.803 min Scan# 4219

Delta R.T. -0.041 min

Lab File: BM049769.D

Acq: 01 Apr 2025 11:36

Instrument :

BNA_M

ClientSampleId :

PB167400BS

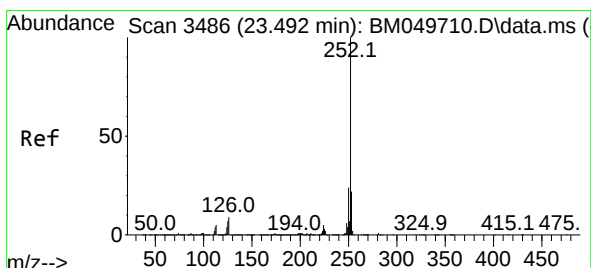
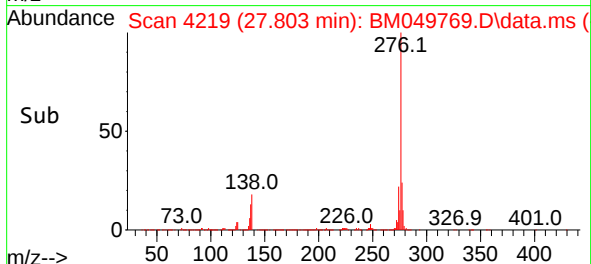
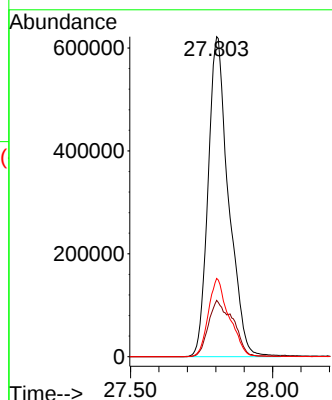
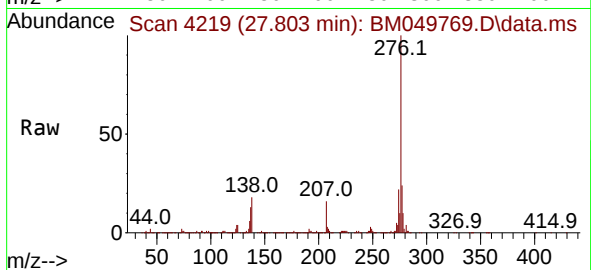
Tgt Ion:276 Resp: 3110662

Ion Ratio Lower Upper

276 100

138 21.2 16.3 24.5

277 24.9 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 53.618 ng

RT: 23.468 min Scan# 3482

Delta R.T. -0.024 min

Lab File: BM049769.D

Acq: 01 Apr 2025 11:36

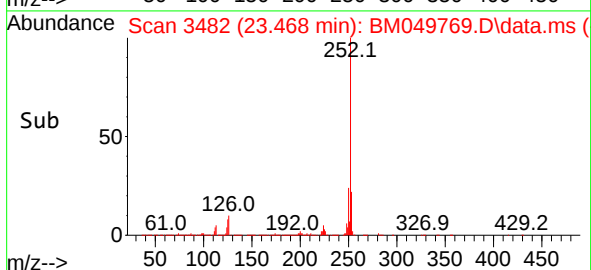
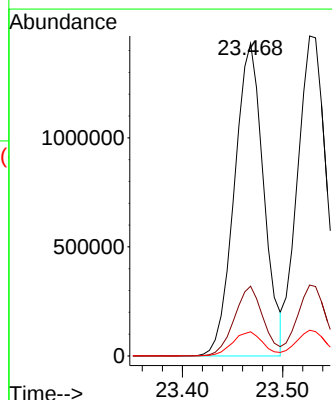
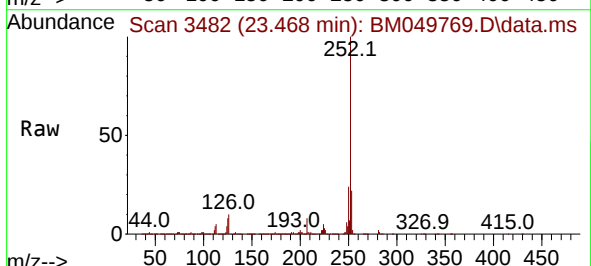
Tgt Ion:252 Resp: 2911235

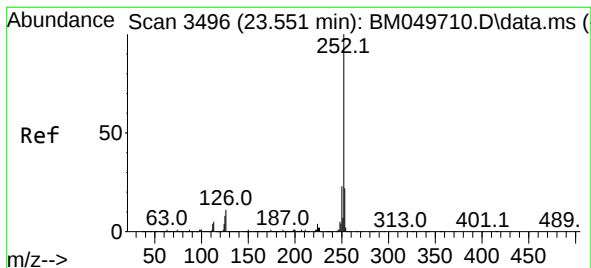
Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

125 7.7 5.9 8.9





#89

Benzo(k)fluoranthene

Concen: 55.665 ng

RT: 23.527 min Scan# 34

Delta R.T. -0.024 min

Lab File: BM049769.D

Acq: 01 Apr 2025 11:36

Instrument :

BNA_M

ClientSampleId :

PB167400BS

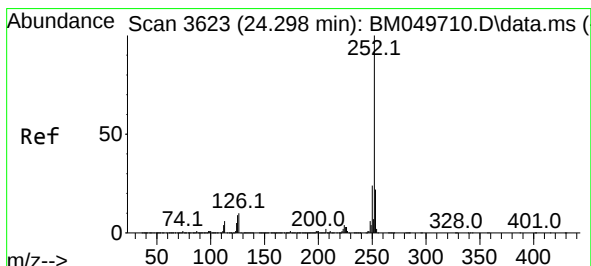
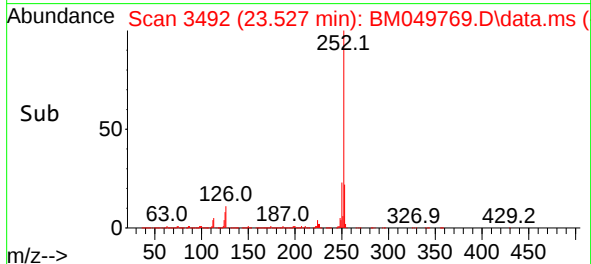
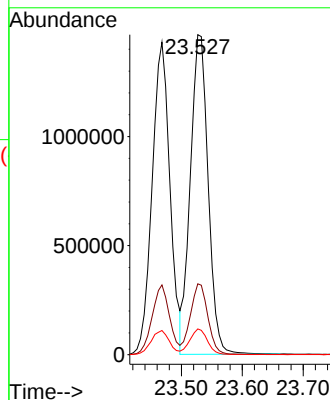
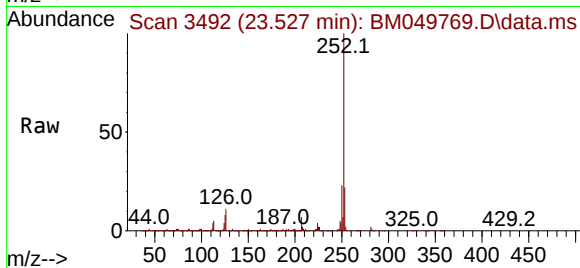
Tgt Ion:252 Resp: 2973965

Ion Ratio Lower Upper

252 100

253 22.1 17.3 25.9

125 8.1 6.2 9.2



#90

Benzo(a)pyrene

Concen: 59.490 ng

RT: 24.274 min Scan# 3619

Delta R.T. -0.024 min

Lab File: BM049769.D

Acq: 01 Apr 2025 11:36

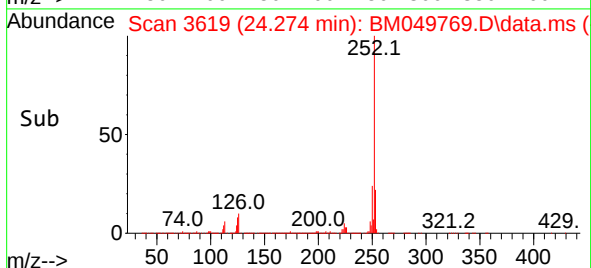
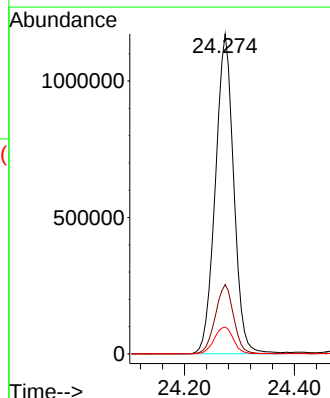
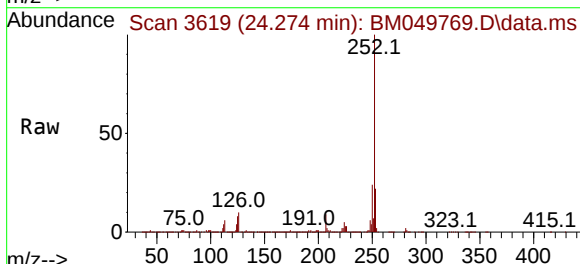
Tgt Ion:252 Resp: 2713110

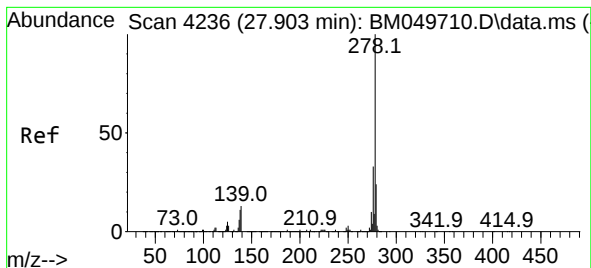
Ion Ratio Lower Upper

252 100

253 21.7 17.2 25.8

125 8.4 7.0 10.6





#91

Dibenzo(a,h)anthracene

Concen: 53.125 ng

RT: 27.862 min Scan# 4398

Delta R.T. -0.041 min

Lab File: BM049769.D

Acq: 01 Apr 2025 11:36

Instrument :

BNA_M

ClientSampleId :

PB167400BS

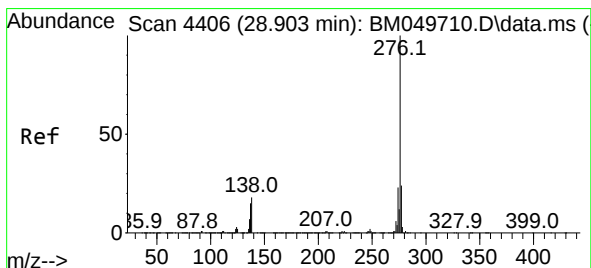
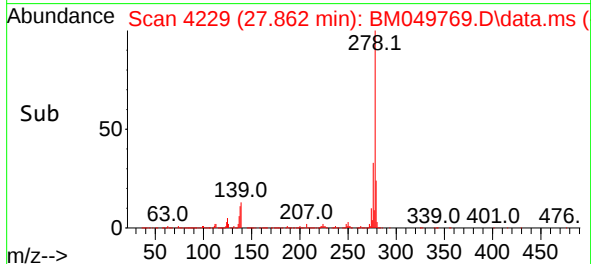
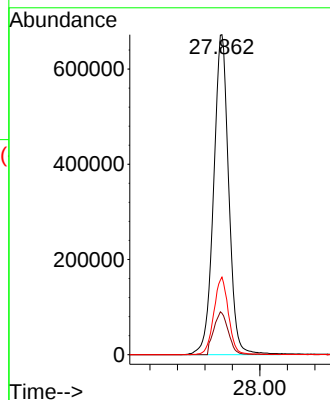
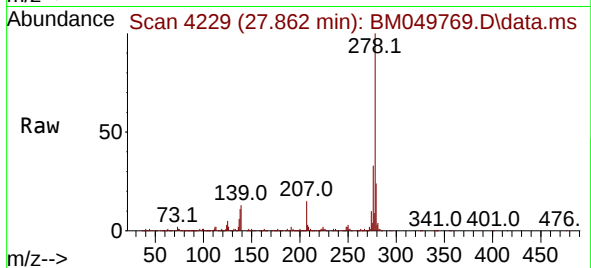
Tgt Ion:278 Resp: 2568105

Ion Ratio Lower Upper

278 100

139 12.9 10.1 15.1

279 24.2 19.1 28.7



#92

Benzo(g,h,i)perylene

Concen: 50.842 ng

RT: 28.856 min Scan# 4398

Delta R.T. -0.047 min

Lab File: BM049769.D

Acq: 01 Apr 2025 11:36

Tgt Ion:276 Resp: 2475637

Ion Ratio Lower Upper

276 100

277 23.5 18.8 28.2

138 17.7 14.0 21.0

