

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
 Data File : BM049835.D
 Acq On : 07 Apr 2025 12:02
 Operator : RC/JU
 Sample : PB167457BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB167457BS

Quant Time: Apr 07 12:42:13 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	7.787	152	302641	20.000	ng	-0.02
21) Naphthalene-d8	10.580	136	1057941	20.000	ng	-0.02
39) Acenaphthene-d10	14.427	164	655262	20.000	ng	-0.02
64) Phenanthrene-d10	17.168	188	1274582	20.000	ng	-0.02
76) Chrysene-d12	21.409	240	1227514	20.000	ng	-0.02
86) Perylene-d12	24.409	264	1340439	20.000	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	2603223	145.138	ng	-0.02
7) Phenol-d6	6.963	99	3170979	140.877	ng	-0.02
23) Nitrobenzene-d5	8.939	82	1848286	89.697	ng	-0.02
42) 2,4,6-Tribromophenol	15.915	330	1440540	188.269	ng	-0.02
45) 2-Fluorobiphenyl	13.051	172	4794312	91.632	ng	-0.02
79) Terphenyl-d14	19.792	244	7449014	102.259	ng	-0.02

Target Compounds					Qvalue
2) 1,4-Dioxane	3.263	88	310954	40.048	ng 97
3) Pyridine	3.663	79	866549	43.700	ng 98
4) n-Nitrosodimethylamine	3.569	42	361709	41.226	ng 88
6) Aniline	7.110	93	970965	51.489	ng 97
8) 2-Chlorophenol	7.351	128	960731	54.090	ng 97
9) Benzaldehyde	6.922	77	531809	47.792	ng 98
10) Phenol	6.987	94	1135143	52.010	ng 94
11) bis(2-Chloroethyl)ether	7.204	93	889584	50.333	ng 98
12) 1,3-Dichlorobenzene	7.675	146	1117467	51.770	ng 98
13) 1,4-Dichlorobenzene	7.822	146	1123597	51.598	ng 97
14) 1,2-Dichlorobenzene	8.139	146	1077518	52.066	ng 98
15) Benzyl Alcohol	8.022	79	764536	54.125	ng 94
16) 2,2'-oxybis(1-Chloropr...	8.310	45	1026287m	49.406	ng
17) 2-Methylphenol	8.234	107	733756	56.627	ng 96
18) Hexachloroethane	8.863	117	392683	51.064	ng 92
19) n-Nitroso-di-n-propyla...	8.592	70	642257	49.208	ng 97
20) 3+4-Methylphenols	8.557	107	982039	56.553	ng 97
22) Acetophenone	8.604	105	1296521	47.529	ng # 98
24) Nitrobenzene	8.981	77	926570	47.688	ng 95
25) Isophorone	9.510	82	1731740	54.737	ng 98
26) 2-Nitrophenol	9.692	139	494383	59.782	ng 95
27) 2,4-Dimethylphenol	9.757	122	825041	78.378	ng 95
28) bis(2-Chloroethoxy)met...	9.992	93	1102948	49.498	ng 100
29) 2,4-Dichlorophenol	10.233	162	931527	54.309	ng 98
30) 1,2,4-Trichlorobenzene	10.445	180	1064144	49.587	ng 99
31) Naphthalene	10.628	128	2653033	48.769	ng 100
32) Benzoic acid	9.898	122	573772	64.092	ng 96
33) 4-Chloroaniline	10.733	127	498642	26.858	ng 98
34) Hexachlorobutadiene	10.922	225	668135	50.433	ng 100
35) Caprolactam	11.522	113	252703	63.457	ng 88
36) 4-Chloro-3-methylphenol	11.874	107	803565	54.591	ng 97
37) 2-Methylnaphthalene	12.245	142	1727651	45.418	ng 99
38) 1-Methylnaphthalene	12.463	142	1816645	49.500	ng 99
40) 1,2,4,5-Tetrachloroben...	12.616	216	1188547	49.381	ng 99
41) Hexachlorocyclopentadiene	12.598	237	1735350	194.615	ng 98
43) 2,4,6-Trichlorophenol	12.857	196	763484	56.637	ng 99

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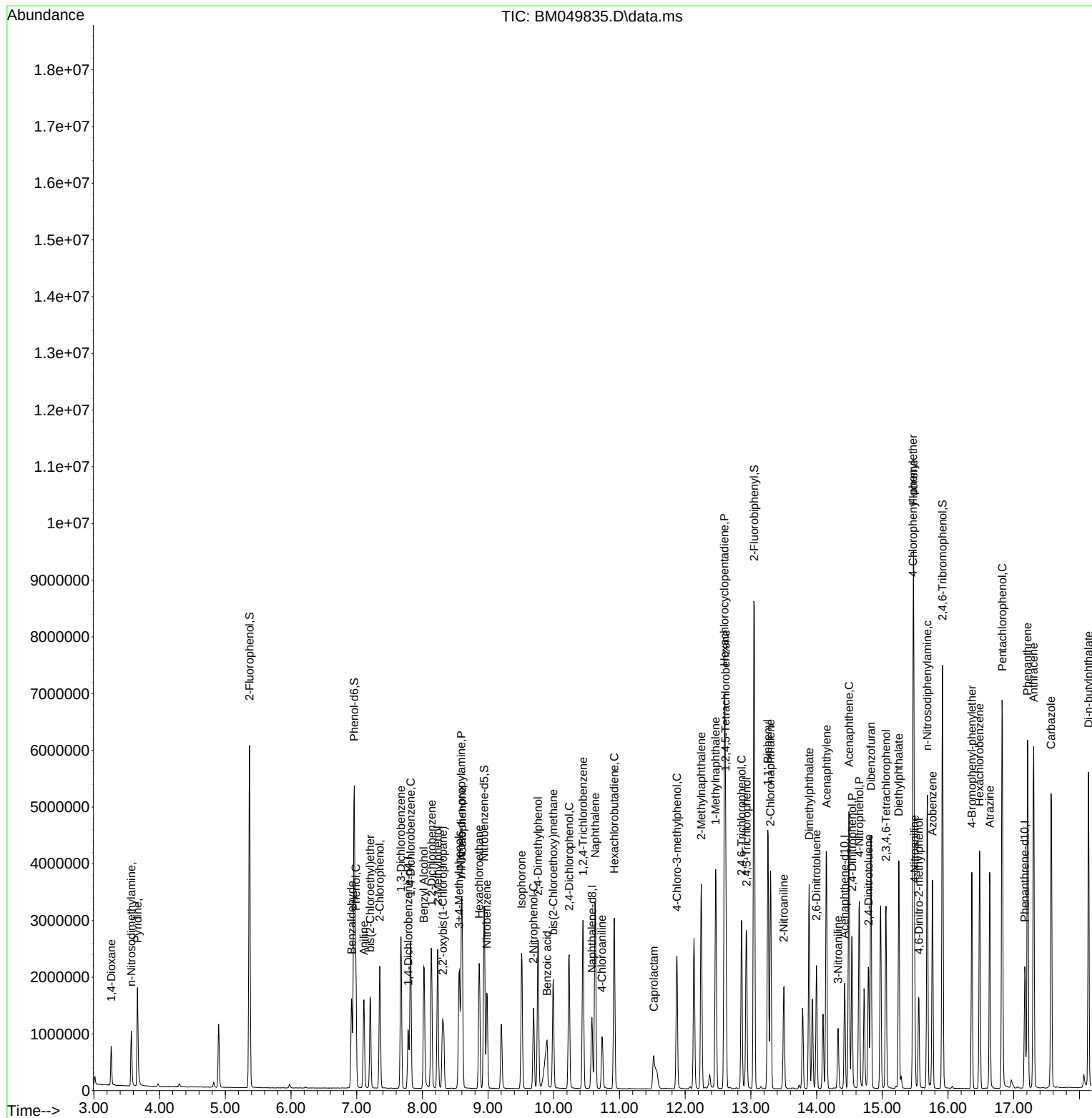
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.933	196	828758	56.338	ng	97
46) 1,1'-Biphenyl	13.257	154	2488311	49.272	ng	99
47) 2-Chloronaphthalene	13.298	162	1986776	50.543	ng	99
48) 2-Nitroaniline	13.498	65	474795	53.805	ng	92
49) Acenaphthylene	14.151	152	3078171	56.023	ng	100
50) Dimethylphthalate	13.886	163	2369811	52.529	ng	99
51) 2,6-Dinitrotoluene	13.998	165	512724	56.720	ng	90
52) Acenaphthene	14.492	154	1788612	49.628	ng	98
53) 3-Nitroaniline	14.327	138	292564	34.011	ng	95
54) 2,4-Dinitrophenol	14.539	184	670138	103.811	ng	# 88
55) Dibenzofuran	14.827	168	2910751	48.468	ng	98
56) 4-Nitrophenol	14.651	139	935144	124.890	ng	88
57) 2,4-Dinitrotoluene	14.792	165	714379	61.416	ng	89
58) Fluorene	15.474	166	2421737	49.529	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.057	232	700873	56.918	ng	98
60) Diethylphthalate	15.251	149	2223354	52.327	ng	98
61) 4-Chlorophenyl-phenyle...	15.468	204	1309037	49.027	ng	97
62) 4-Nitroaniline	15.492	138	496912	48.508	ng	92
63) Azobenzene	15.762	77	1920304	47.315	ng	95
65) 4,6-Dinitro-2-methylph...	15.557	198	415746	57.020	ng	96
66) n-Nitrosodiphenylamine	15.686	169	2055011	53.215	ng	97
67) 4-Bromophenyl-phenylether	16.362	248	778250	52.885	ng	98
68) Hexachlorobenzene	16.480	284	882335	53.319	ng	98
69) Atrazine	16.633	200	755933	88.822	ng	100
70) Pentachlorophenol	16.827	266	1294388	124.467	ng	99
71) Phenanthrene	17.209	178	3712945	52.462	ng	100
72) Anthracene	17.304	178	3775589	55.085	ng	99
73) Carbazole	17.568	167	3426771	55.205	ng	100
74) Di-n-butylphthalate	18.139	149	3958932	58.189	ng	99
75) Fluoranthene	19.227	202	4411665	54.143	ng	99
77) Benzidine	19.409	184	2406945	163.212	ng	99
78) Pyrene	19.592	202	4541810	52.959	ng	100
80) Butylbenzylphthalate	20.492	149	1736401	65.242	ng	96
81) Benzo(a)anthracene	21.392	228	4431789	54.053	ng	100
82) 3,3'-Dichlorobenzidine	21.309	252	986523	36.957	ng	99
83) Chrysene	21.450	228	4125400	53.079	ng	100
84) Bis(2-ethylhexyl)phtha...	21.315	149	2538850	61.209	ng	98
85) Di-n-octyl phthalate	22.450	149	4373488	67.839	ng	97
87) Indeno(1,2,3-cd)pyrene	27.803	276	5466399	56.659	ng	100
88) Benzo(b)fluoranthene	23.468	252	4380628	48.521	ng	99
89) Benzo(k)fluoranthene	23.527	252	4337874	48.829	ng	99
90) Benzo(a)pyrene	24.274	252	4244481	55.970	ng	99
91) Dibenzo(a,h)anthracene	27.862	278	4490850	55.869	ng	99
92) Benzo(g,h,i)perylene	28.868	276	4374612	54.030	ng	99

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

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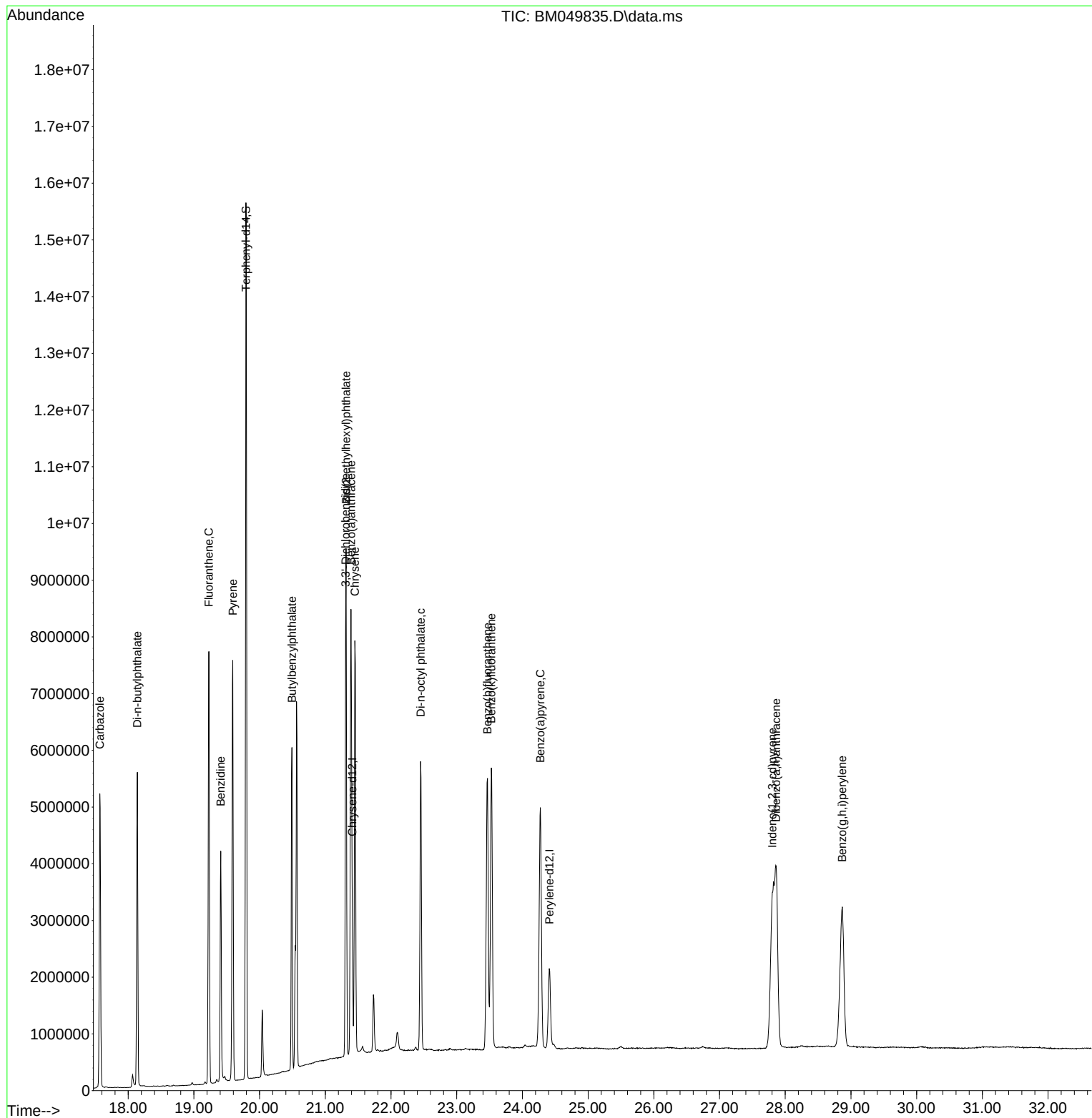
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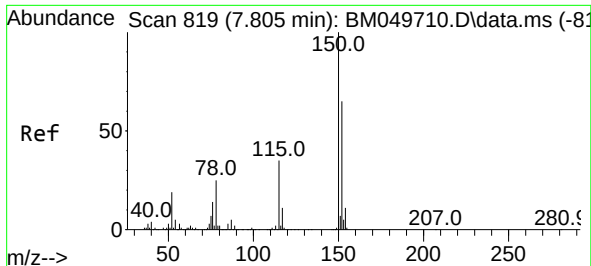


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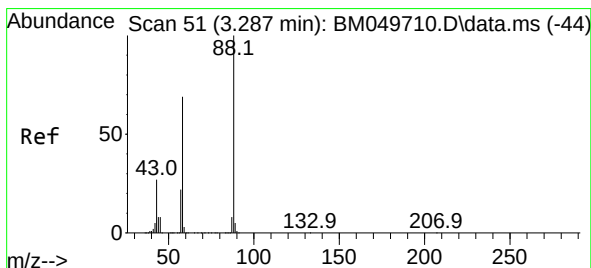
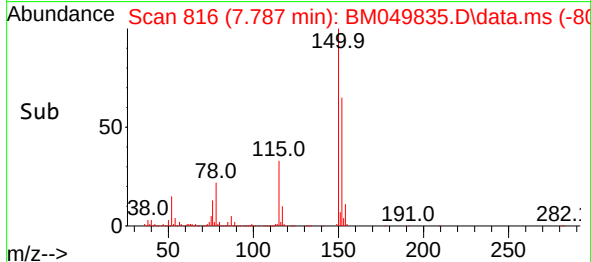
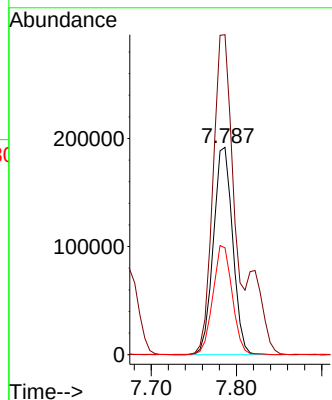
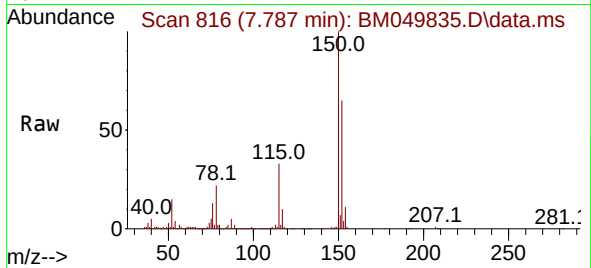




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.787 min Scan# 81
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

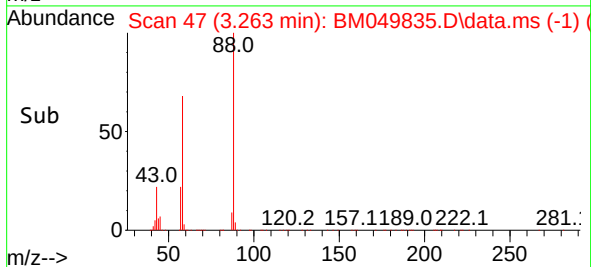
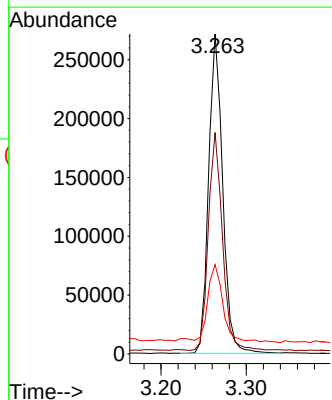
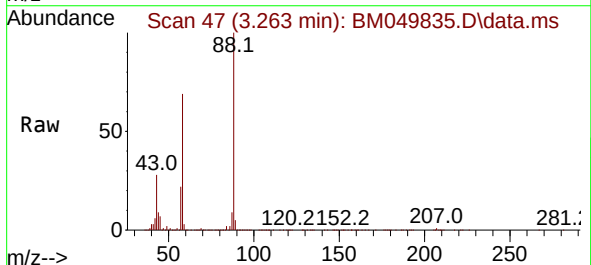
Instrument :
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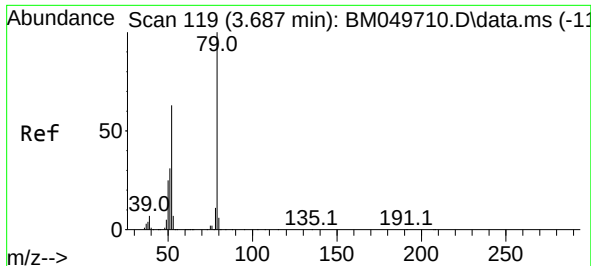
Tgt Ion:152 Resp: 302641
Ion Ratio Lower Upper
152 100
150 154.4 123.8 185.8
115 51.5 43.0 64.6



#2
1,4-Dioxane
Concen: 40.048 ng
RT: 3.263 min Scan# 47
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion: 88 Resp: 310954
Ion Ratio Lower Upper
88 100
58 68.3 56.7 85.1
43 27.2 22.6 34.0



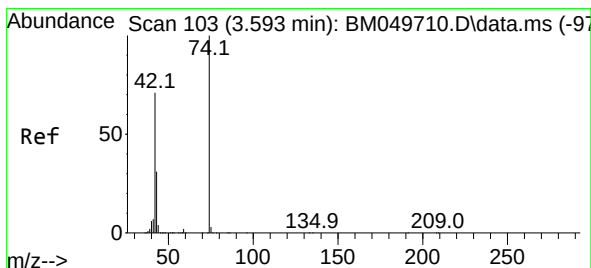
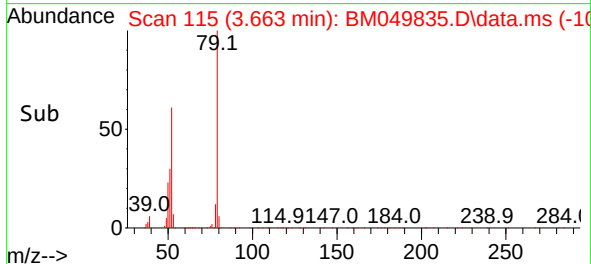
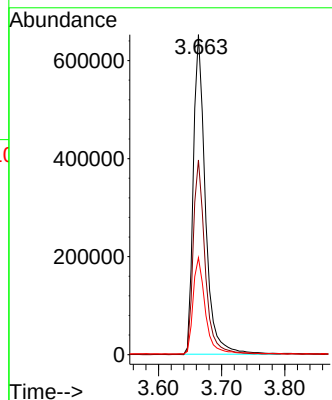
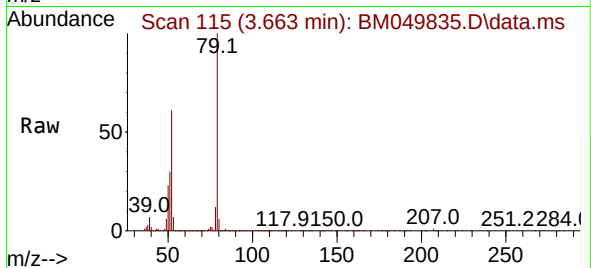


#3
 Pyridine
 Concen: 43.700 ng
 RT: 3.663 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: BM049835.D
 Acq: 07 Apr 2025 12:02

Instrument :
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 ClientSampleId :
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Tgt Ion: 79 Resp: 866549

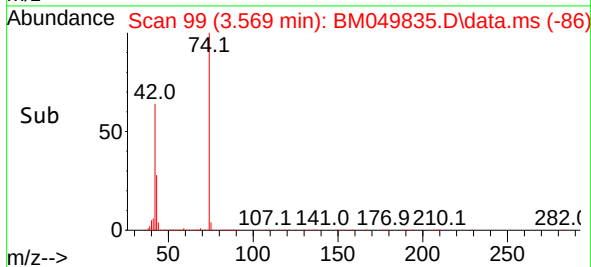
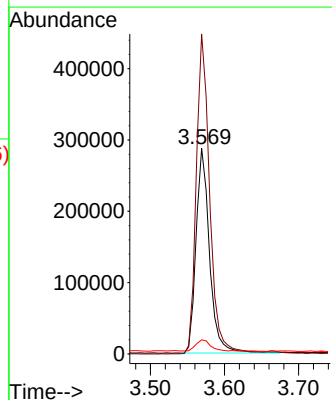
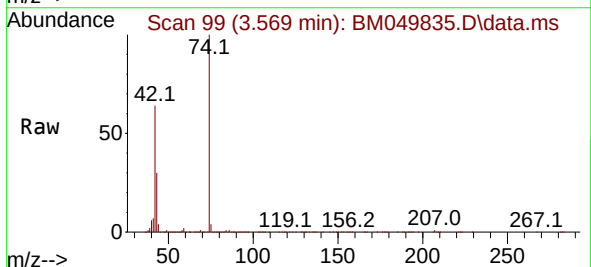
Ion	Ratio	Lower	Upper
79	100		
52	60.8	50.1	75.1
51	30.3	25.2	37.8

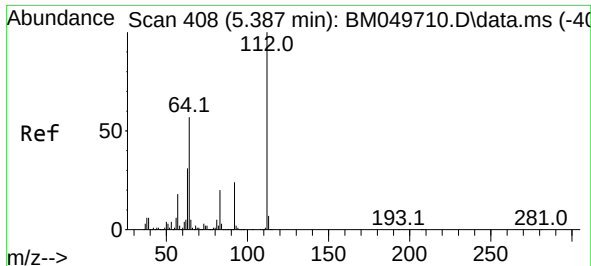


#4
 n-Nitrosodimethylamine
 Concen: 41.226 ng
 RT: 3.569 min Scan# 99
 Delta R.T. -0.024 min
 Lab File: BM049835.D
 Acq: 07 Apr 2025 12:02

Tgt Ion: 42 Resp: 361709

Ion	Ratio	Lower	Upper
42	100		
74	155.7	112.6	168.8
44	6.9	5.0	7.6

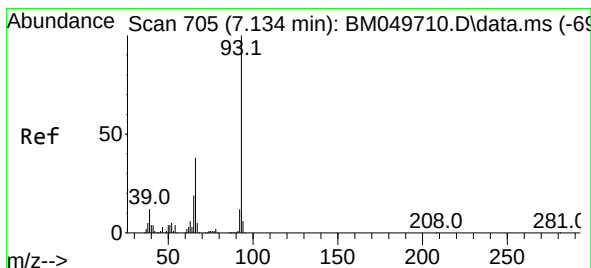
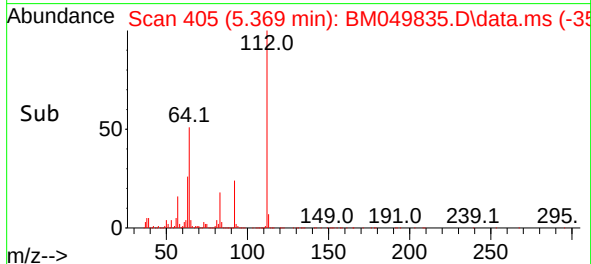
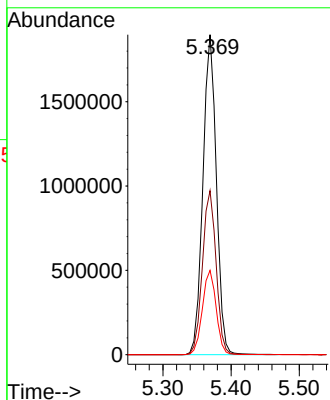
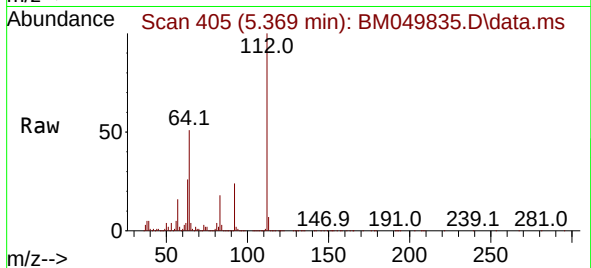




#5
2-Fluorophenol
Concen: 145.138 ng
RT: 5.369 min Scan# 408
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

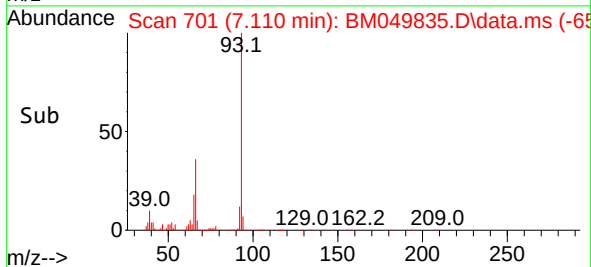
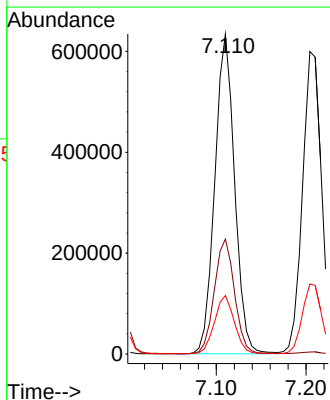
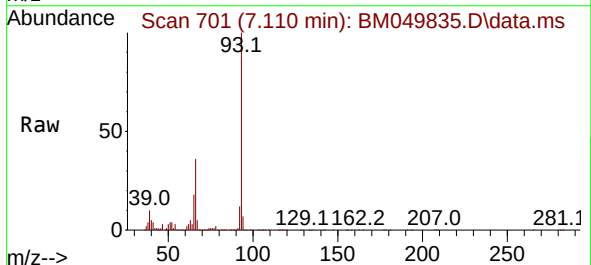
Instrument :
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ClientSampleId :
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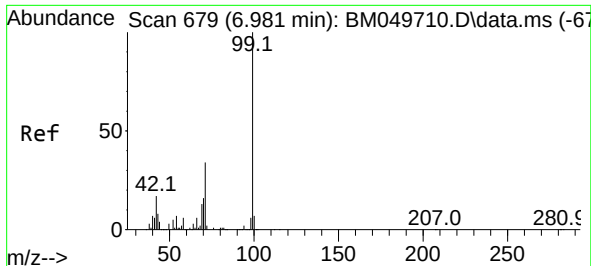
Tgt Ion:112 Resp: 2603223
Ion Ratio Lower Upper
112 100
64 51.3 45.3 67.9
63 26.4 24.4 36.6



#6
Aniline
Concen: 51.489 ng
RT: 7.110 min Scan# 701
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion: 93 Resp: 970965
Ion Ratio Lower Upper
93 100
66 35.9 30.6 46.0
65 18.2 15.4 23.2

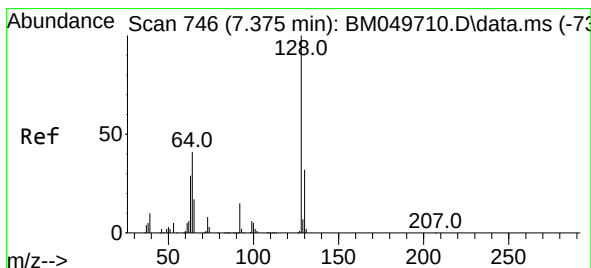
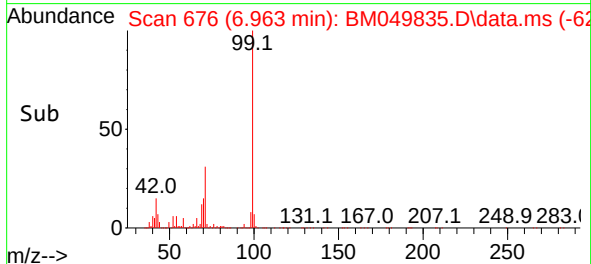
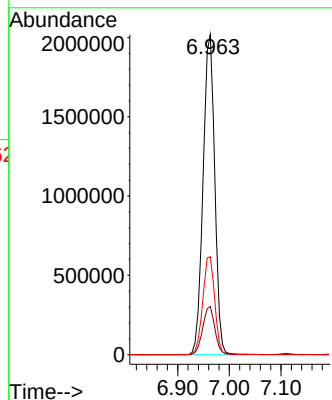
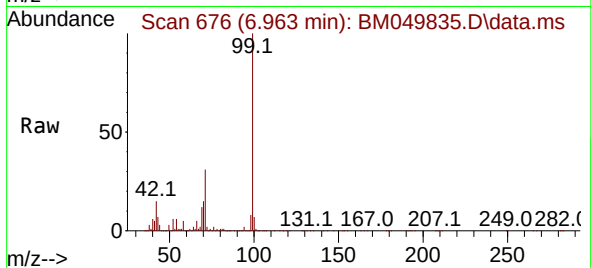




#7
Phenol-d6
Concen: 140.877 ng
RT: 6.963 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

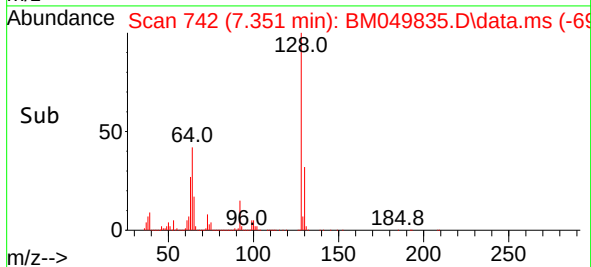
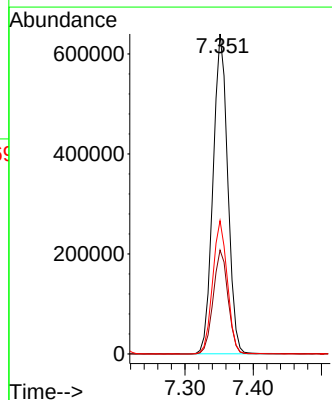
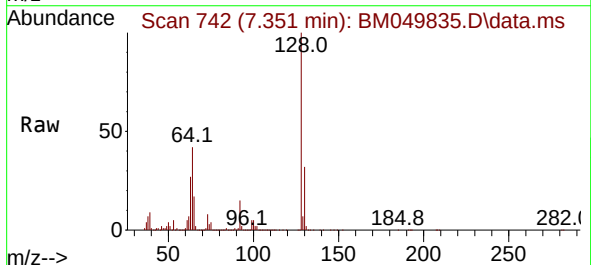
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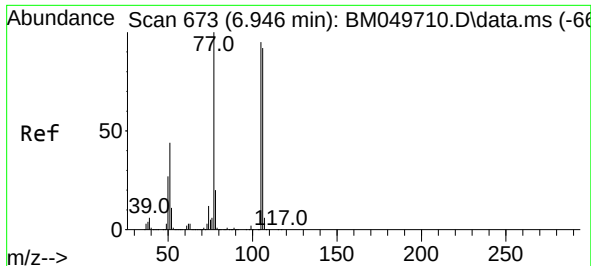
Tgt Ion: 99 Resp: 3170979
Ion Ratio Lower Upper
99 100
42 15.1 13.6 20.4
71 30.6 27.0 40.6



#8
2-Chlorophenol
Concen: 54.090 ng
RT: 7.351 min Scan# 742
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion: 128 Resp: 960731
Ion Ratio Lower Upper
128 100
130 32.4 12.5 52.5
64 41.6 24.9 64.9

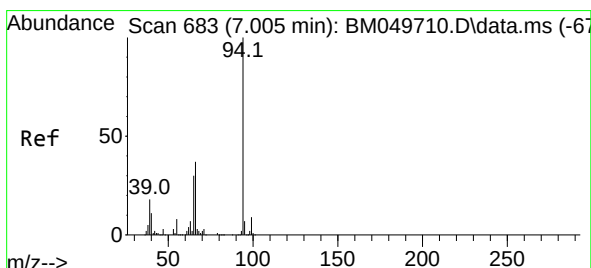
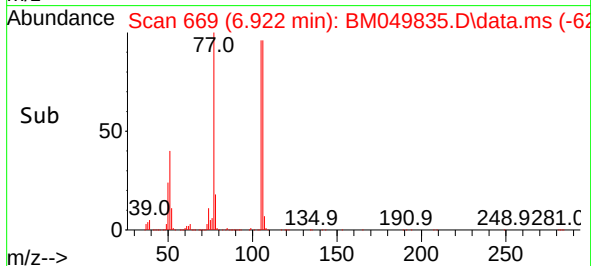
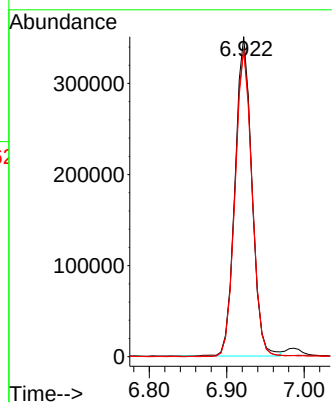
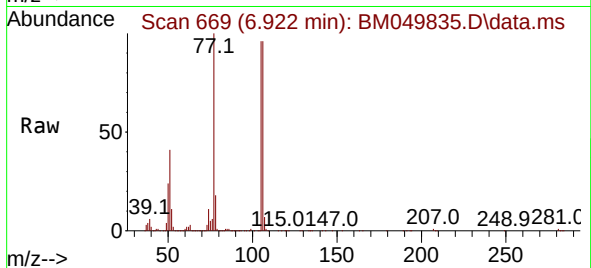




#9
Benzaldehyde
Concen: 47.792 ng
RT: 6.922 min Scan# 609
Delta R.T. -0.024 min
Lab File: BM049835.D
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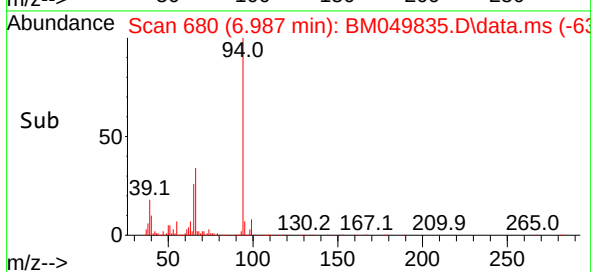
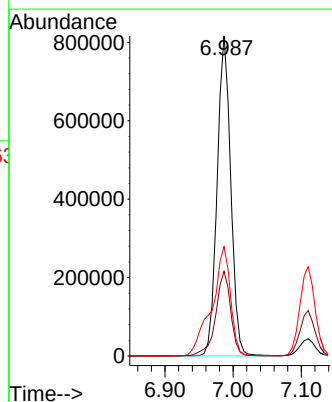
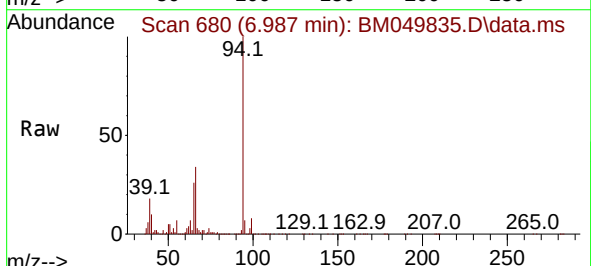
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BNA_M
ClientSampleId :
PB167457BS

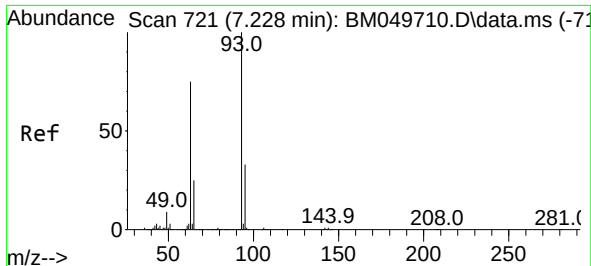
Tgt Ion: 77 Resp: 531809
Ion Ratio Lower Upper
77 100
105 96.0 75.0 115.0
106 95.9 72.3 112.3



#10
Phenol
Concen: 52.010 ng
RT: 6.987 min Scan# 680
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion: 94 Resp: 1135143
Ion Ratio Lower Upper
94 100
65 26.4 10.4 50.4
66 34.2 17.1 57.1

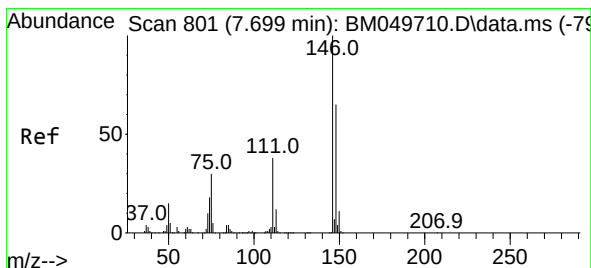
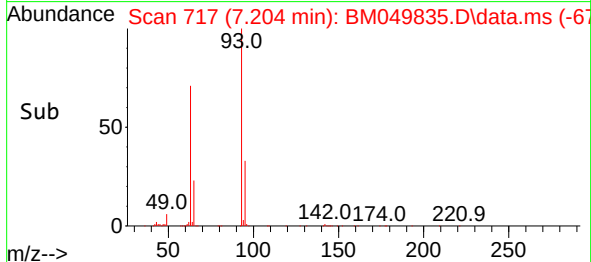
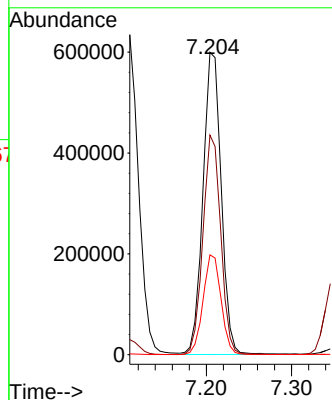
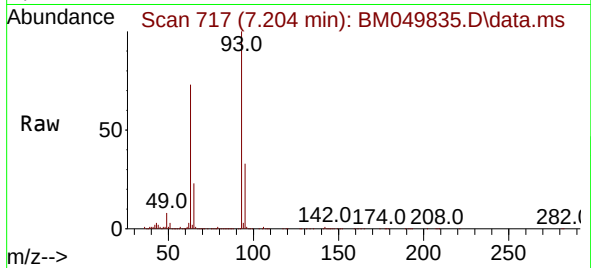




#11
bis(2-Chloroethyl)ether
Concen: 50.333 ng
RT: 7.204 min Scan# 717
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

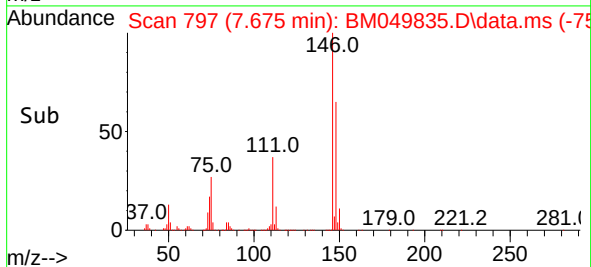
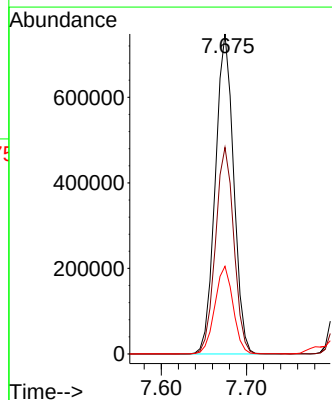
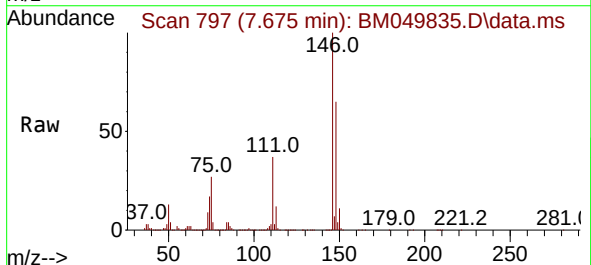
Instrument :
BNA_M
ClientSampleId :
PB167457BS

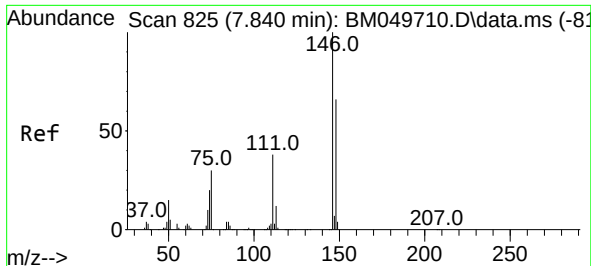
Tgt Ion: 93 Resp: 889584
Ion Ratio Lower Upper
93 100
63 72.6 54.8 94.8
95 33.0 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 51.770 ng
RT: 7.675 min Scan# 797
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:146 Resp: 1117467
Ion Ratio Lower Upper
146 100
148 64.6 52.3 78.5
75 27.4 24.2 36.2

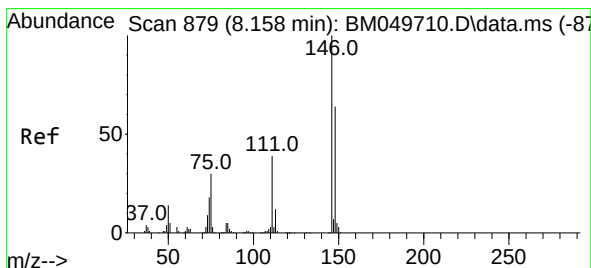
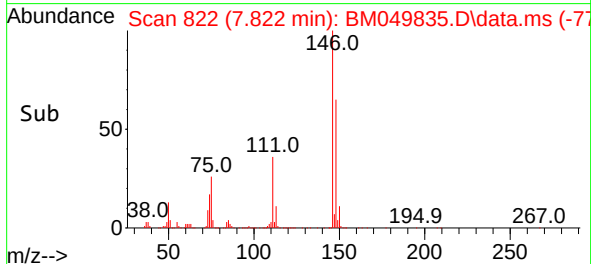
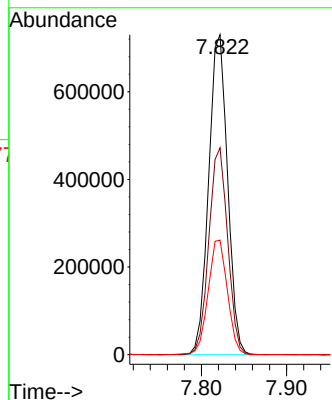
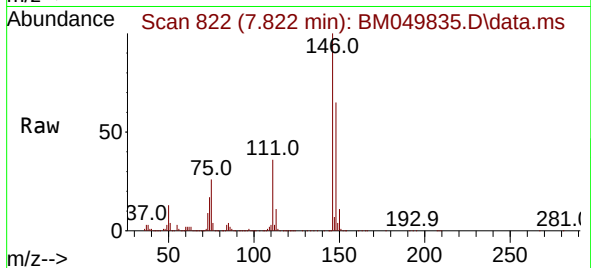




#13
1,4-Dichlorobenzene
Concen: 51.598 ng
RT: 7.822 min Scan# 811
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

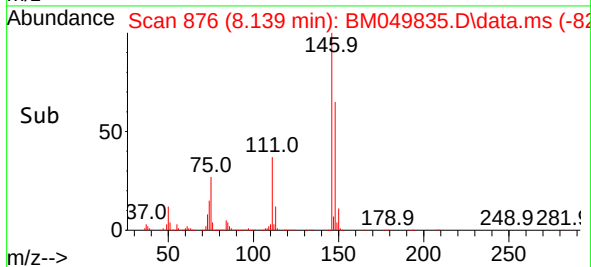
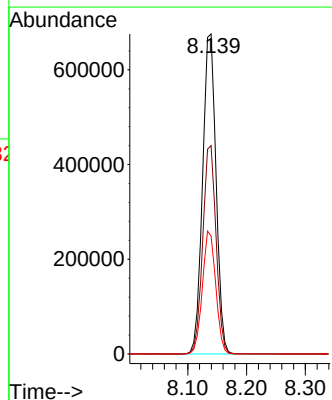
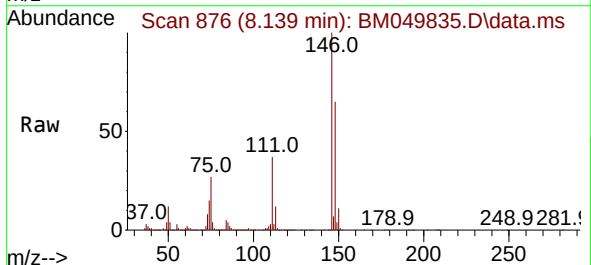
Instrument :
BNA_M
ClientSampleId :
PB167457BS

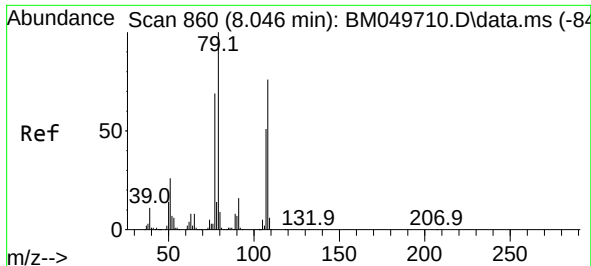
Tgt Ion:146 Resp: 1123597
Ion Ratio Lower Upper
146 100
148 64.7 52.6 79.0
111 35.8 30.8 46.2



#14
1,2-Dichlorobenzene
Concen: 52.066 ng
RT: 8.139 min Scan# 876
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:146 Resp: 1077518
Ion Ratio Lower Upper
146 100
148 65.1 50.9 76.3
111 36.8 31.0 46.6

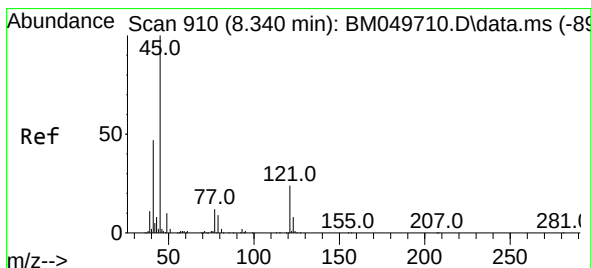
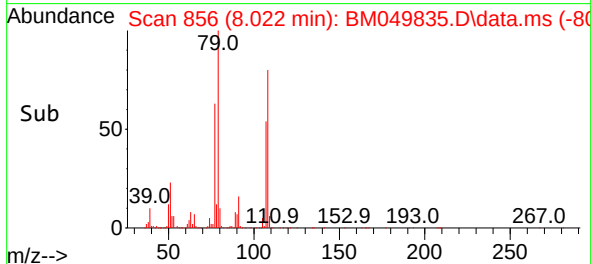
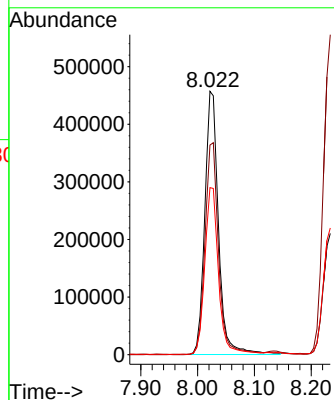
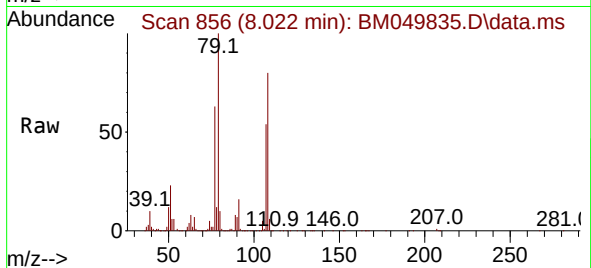




#15
Benzyl Alcohol
Concen: 54.125 ng
RT: 8.022 min Scan# 81
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

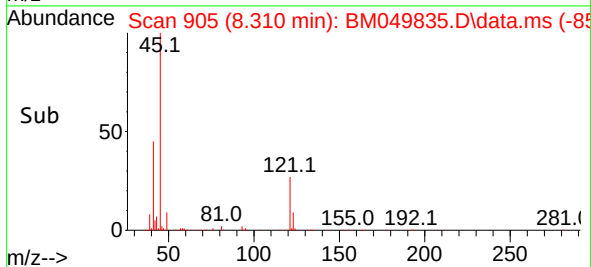
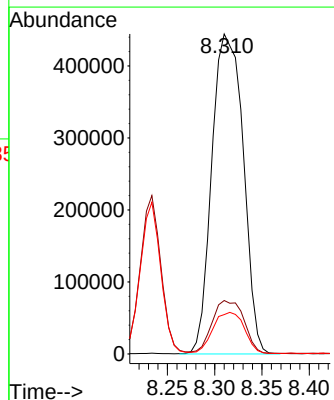
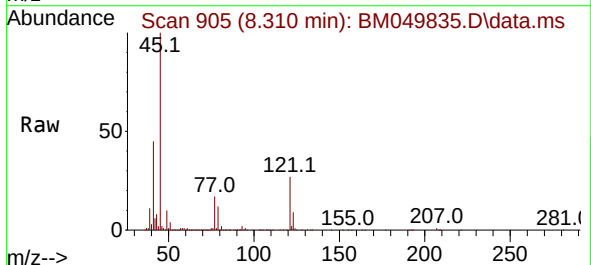
Instrument :
BNA_M
ClientSampleId :
PB167457BS

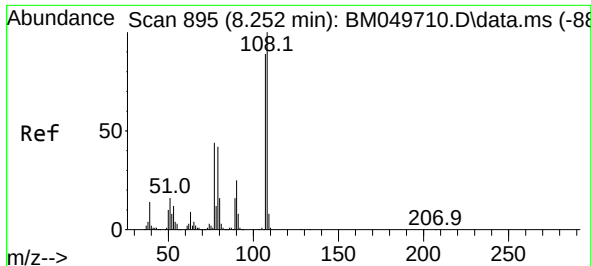
Tgt Ion: 79 Resp: 764536
Ion Ratio Lower Upper
79 100
108 79.6 60.7 91.1
77 63.4 55.4 83.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 49.406 ng m
RT: 8.310 min Scan# 905
Delta R.T. -0.030 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion: 45 Resp: 1026287
Ion Ratio Lower Upper
45 100
77 16.7 0.0 36.1
79 12.3 0.0 32.8



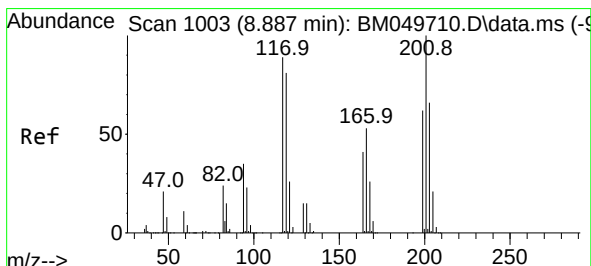
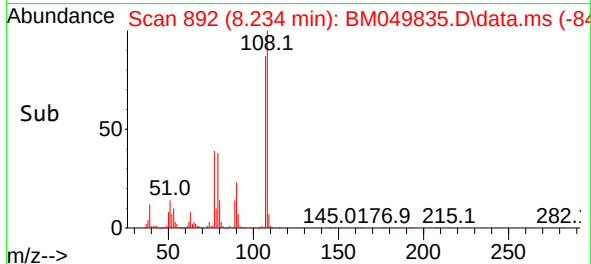
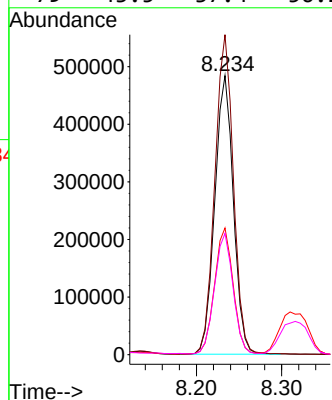
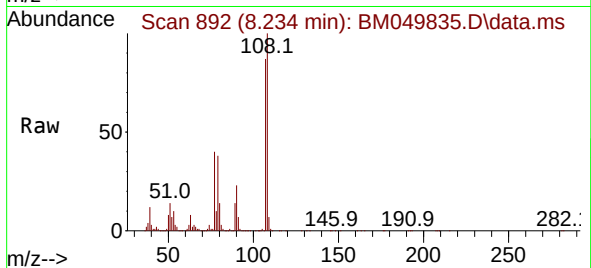


#17
2-Methylphenol
Concen: 56.627 ng
RT: 8.234 min Scan# 895
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion:107 Resp: 733756

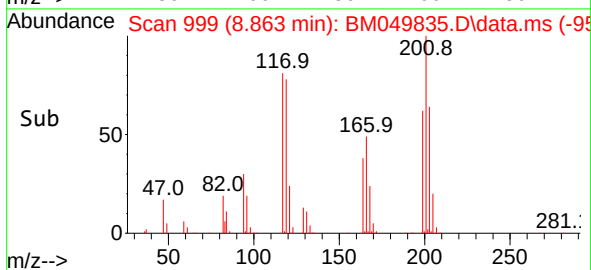
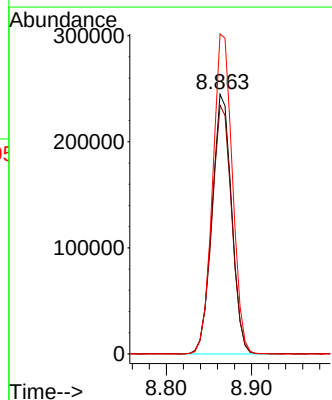
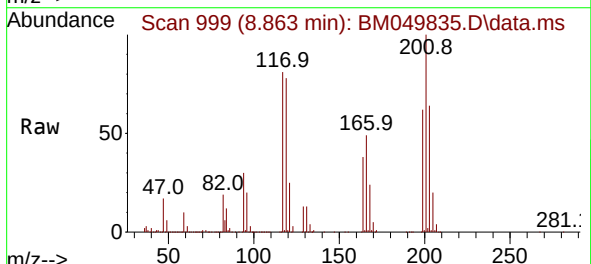
Ion	Ratio	Lower	Upper
107	100		
108	114.7	89.6	134.4
77	45.4	39.8	59.6
79	43.5	37.4	56.2

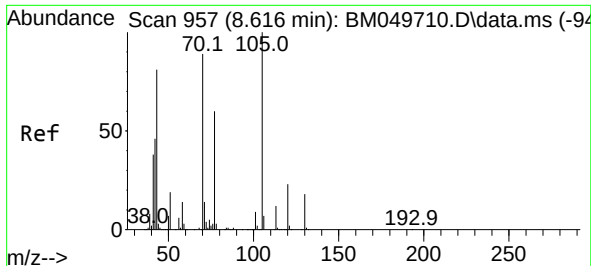


#18
Hexachloroethane
Concen: 51.064 ng
RT: 8.863 min Scan# 999
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:117 Resp: 392683

Ion	Ratio	Lower	Upper
117	100		
119	95.8	73.1	109.7
201	123.3	90.0	135.0

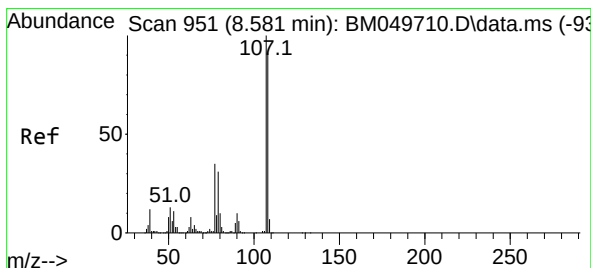
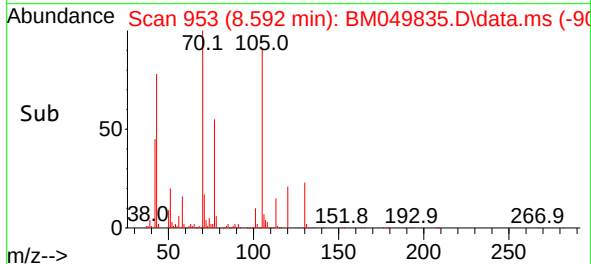
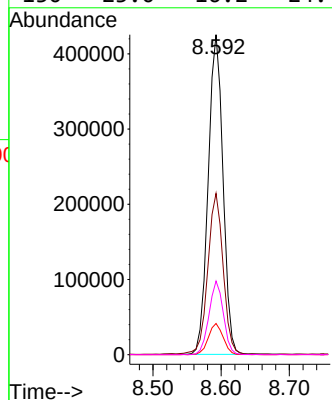
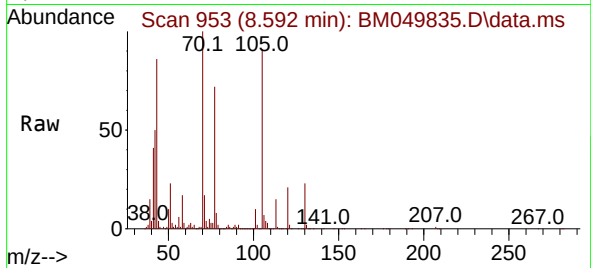




#19
n-Nitroso-di-n-propylamine
Concen: 49.208 ng
RT: 8.592 min Scan# 91
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

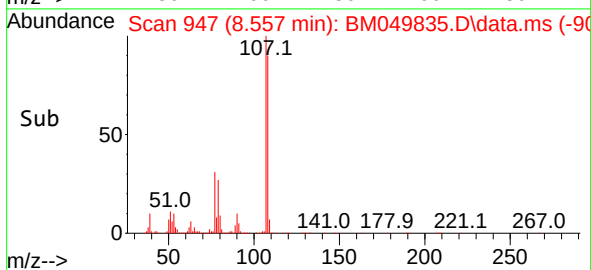
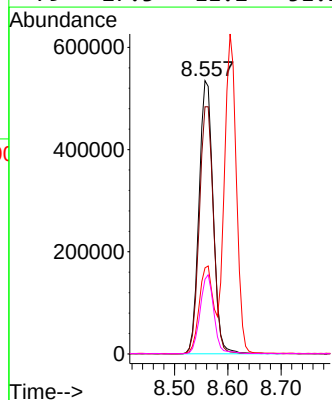
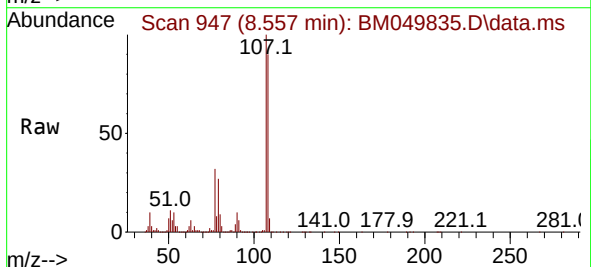
Instrument :
BNA_M
ClientSampleId :
PB167457BS

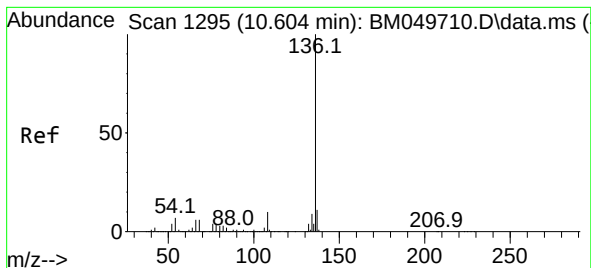
Tgt Ion: 70 Resp: 642257
Ion Ratio Lower Upper
70 100
42 50.4 41.8 62.6
101 9.8 7.7 11.5
130 23.0 16.2 24.4



#20
3+4-Methylphenols
Concen: 56.553 ng
RT: 8.557 min Scan# 947
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion: 107 Resp: 982039
Ion Ratio Lower Upper
107 100
108 90.4 71.0 111.0
77 31.5 15.1 55.1
79 27.3 11.2 51.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.580 min Scan# 1291

Delta R.T. -0.024 min

Lab File: BM049835.D

Acq: 07 Apr 2025 12:02

Instrument :

BNA_M

ClientSampleId :

PB167457BS

Tgt Ion:136 Resp: 1057941

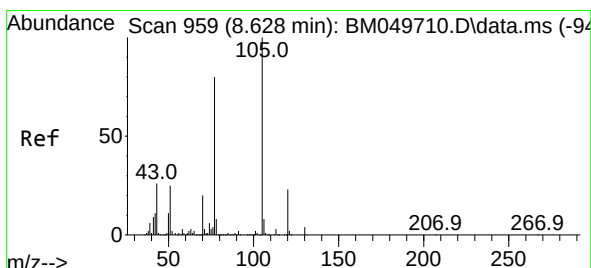
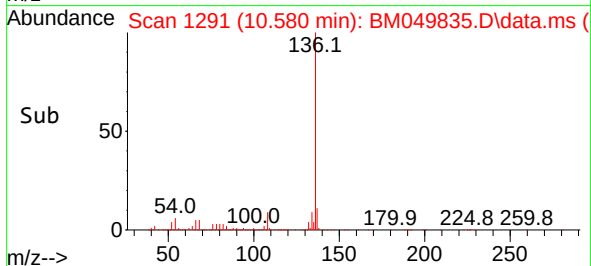
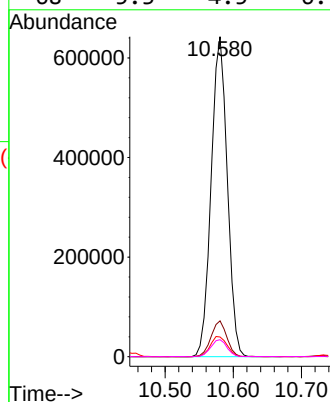
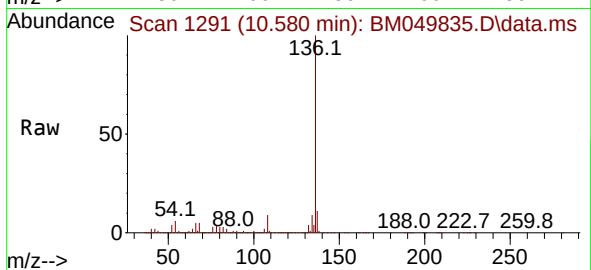
Ion Ratio Lower Upper

136 100

137 11.2 8.6 12.8

54 6.2 5.8 8.8

68 5.3 4.5 6.7



#22

Acetophenone

Concen: 47.529 ng

RT: 8.604 min Scan# 955

Delta R.T. -0.024 min

Lab File: BM049835.D

Acq: 07 Apr 2025 12:02

Tgt Ion:105 Resp: 1296521

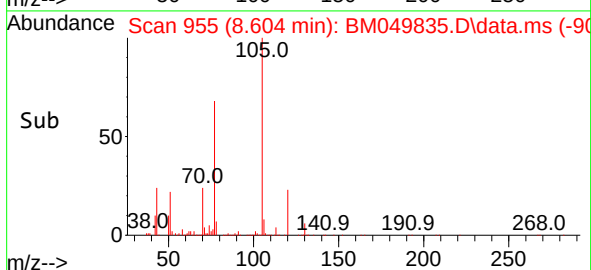
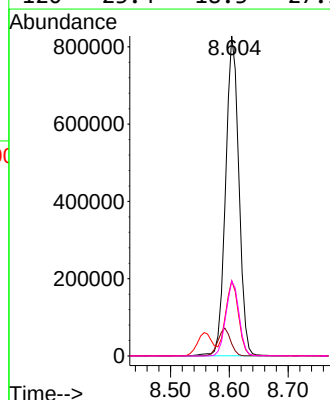
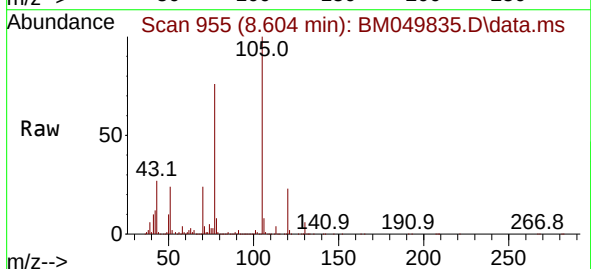
Ion Ratio Lower Upper

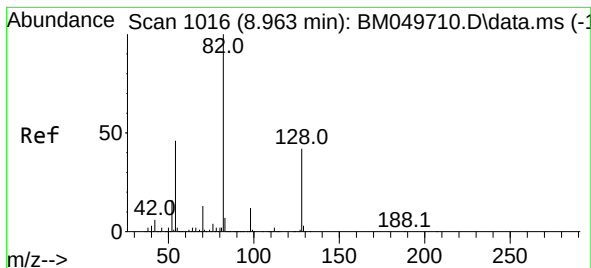
105 100

71 3.8 2.5 3.7#

51 23.5 19.9 29.9

120 23.4 18.3 27.5





#23

Nitrobenzene-d5

Concen: 89.697 ng

RT: 8.939 min Scan# 1012

Delta R.T. -0.024 min

Lab File: BM049835.D

Acq: 07 Apr 2025 12:02

Instrument :

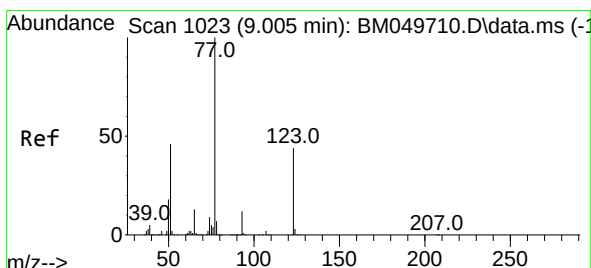
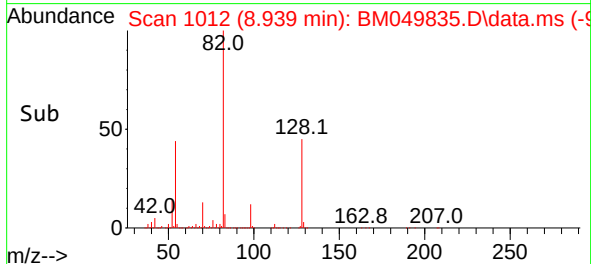
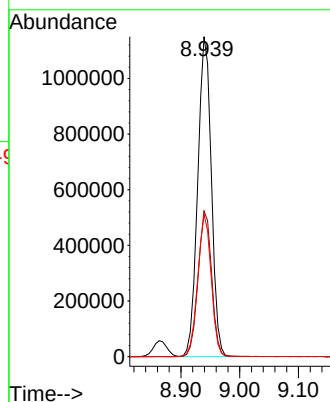
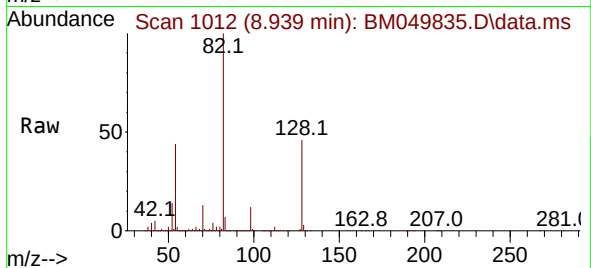
BNA_M

ClientSampleId :

PB167457BS

Tgt Ion: 82 Resp: 1848286

Ion	Ratio	Lower	Upper
82	100		
128	45.5	33.4	50.0
54	44.4	36.4	54.6



#24

Nitrobenzene

Concen: 47.688 ng

RT: 8.981 min Scan# 1019

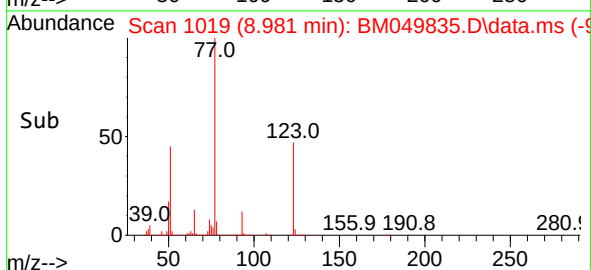
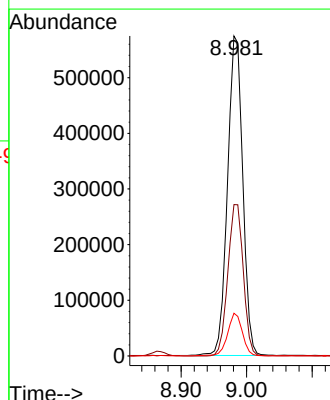
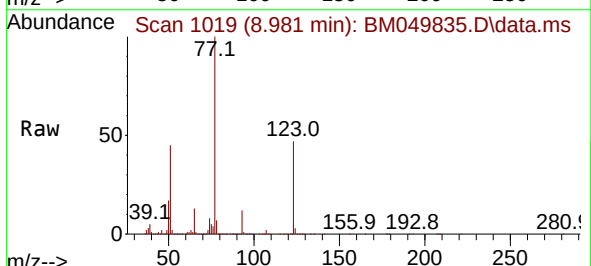
Delta R.T. -0.024 min

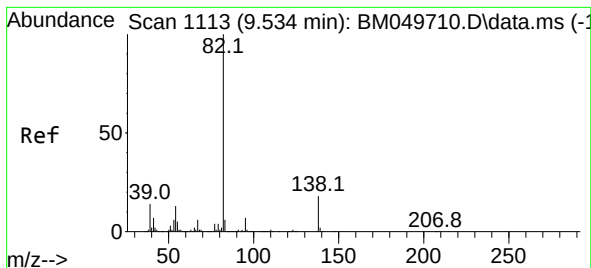
Lab File: BM049835.D

Acq: 07 Apr 2025 12:02

Tgt Ion: 77 Resp: 926570

Ion	Ratio	Lower	Upper
77	100		
123	47.3	34.9	52.3
65	13.4	10.6	15.8





#25

Isophorone

Concen: 54.737 ng

RT: 9.510 min Scan# 1109

Delta R.T. -0.024 min

Lab File: BM049835.D

Acq: 07 Apr 2025 12:02

Instrument :

BNA_M

ClientSampleId :

PB167457BS

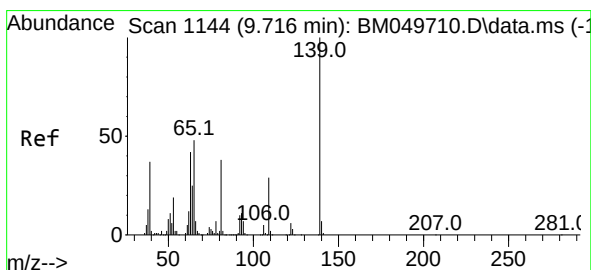
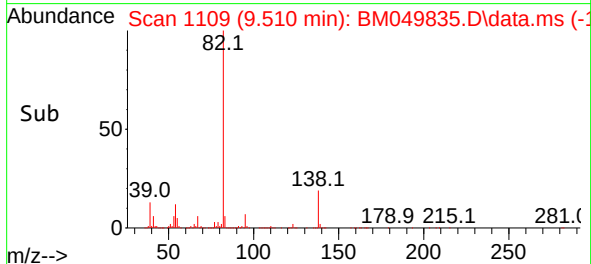
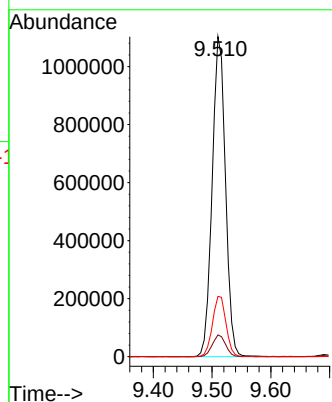
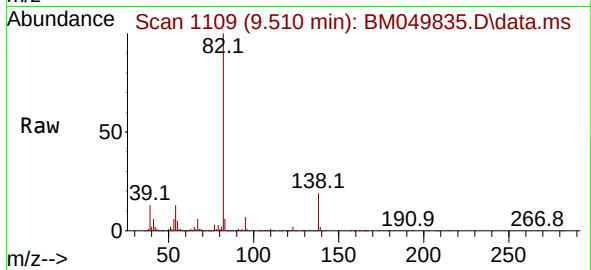
Tgt Ion: 82 Resp: 1731740

Ion Ratio Lower Upper

82 100

95 6.8 5.3 7.9

138 18.9 14.4 21.6



#26

2-Nitrophenol

Concen: 59.782 ng

RT: 9.692 min Scan# 1140

Delta R.T. -0.024 min

Lab File: BM049835.D

Acq: 07 Apr 2025 12:02

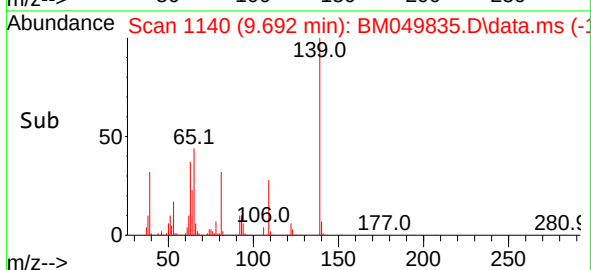
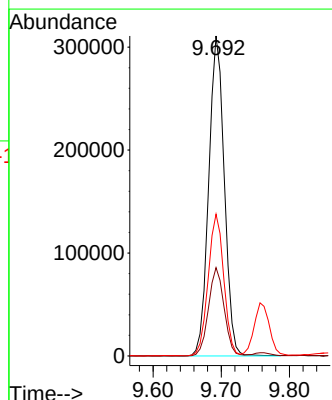
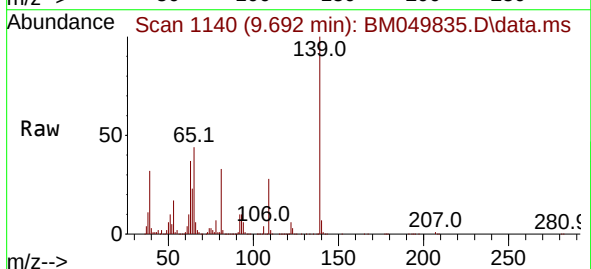
Tgt Ion:139 Resp: 494383

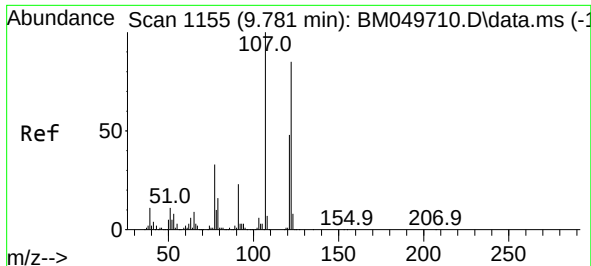
Ion Ratio Lower Upper

139 100

109 27.6 23.3 34.9

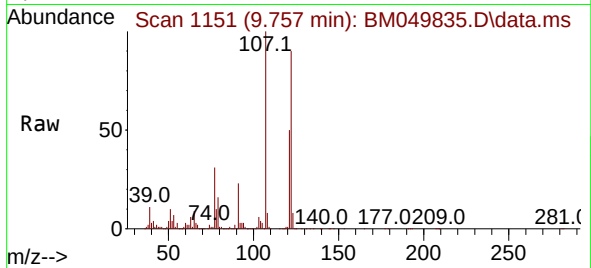
65 44.3 38.6 58.0



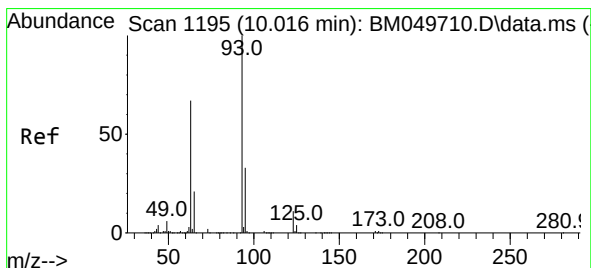
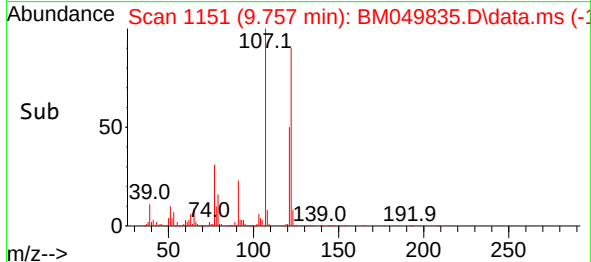
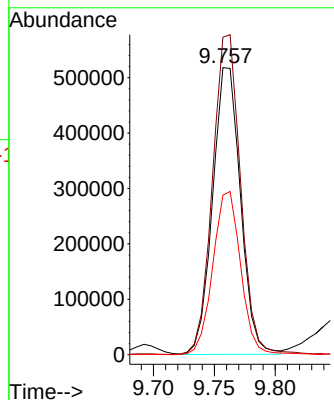


#27
2,4-Dimethylphenol
Concen: 78.378 ng
RT: 9.757 min Scan# 1151
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

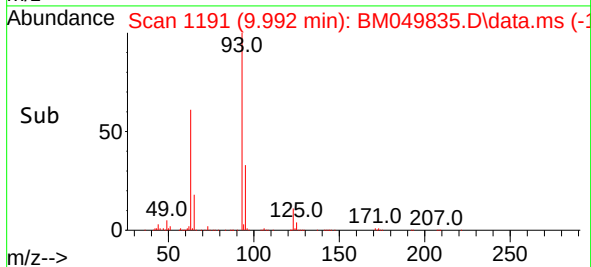
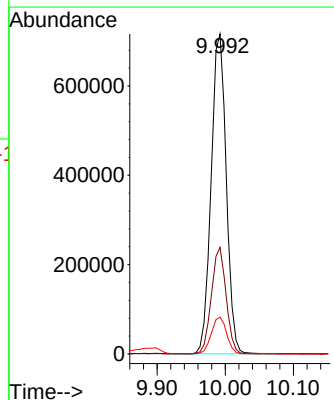
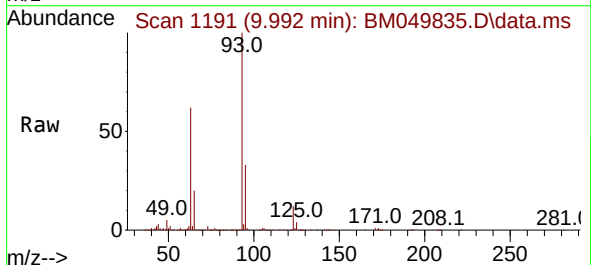


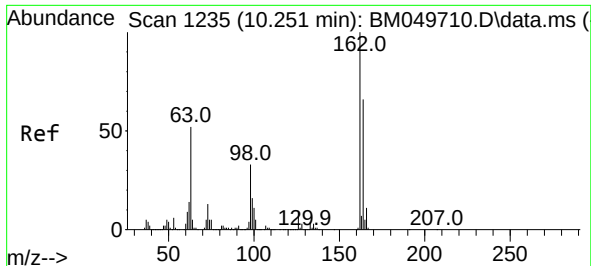
Tgt Ion:122 Resp: 825041
Ion Ratio Lower Upper
122 100
107 110.6 94.3 141.5
121 55.6 45.4 68.2



#28
bis(2-Chloroethoxy)methane
Concen: 49.498 ng
RT: 9.992 min Scan# 1191
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion: 93 Resp: 1102948
Ion Ratio Lower Upper
93 100
95 33.3 26.6 40.0
123 11.5 9.0 13.6





#29

2,4-Dichlorophenol

Concen: 54.309 ng

RT: 10.233 min Scan# 1232

Delta R.T. -0.018 min

Lab File: BM049835.D

Acq: 07 Apr 2025 12:02

Instrument :

BNA_M

ClientSampleId :

PB167457BS

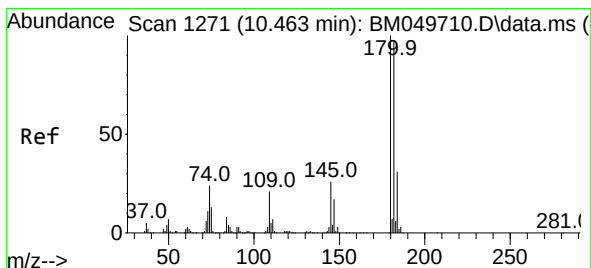
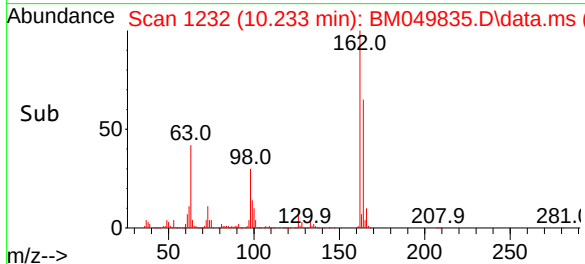
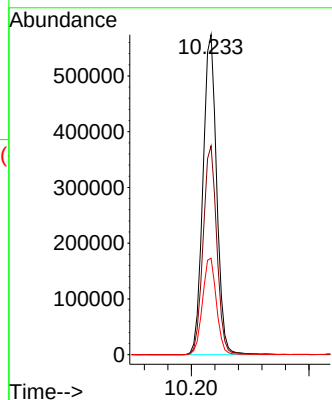
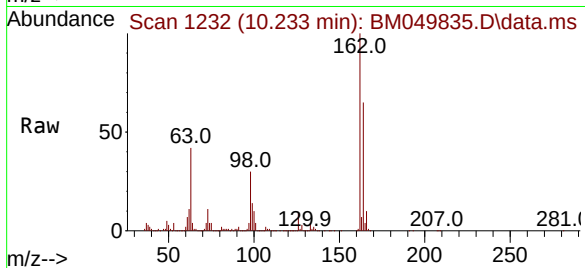
Tgt Ion:162 Resp: 931527

Ion Ratio Lower Upper

162 100

164 65.3 46.3 86.3

98 30.2 12.8 52.8



#30

1,2,4-Trichlorobenzene

Concen: 49.587 ng

RT: 10.445 min Scan# 1268

Delta R.T. -0.018 min

Lab File: BM049835.D

Acq: 07 Apr 2025 12:02

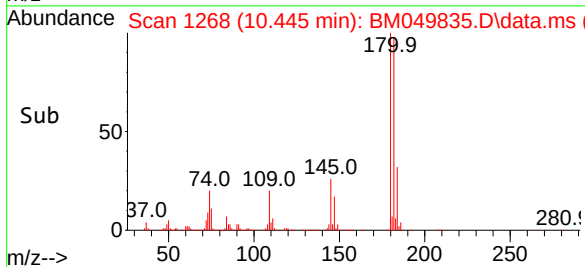
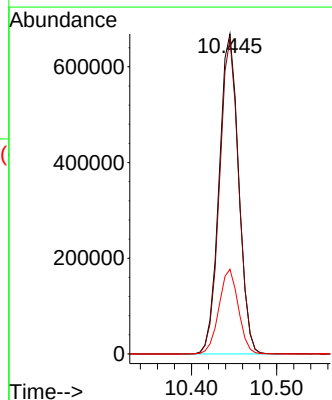
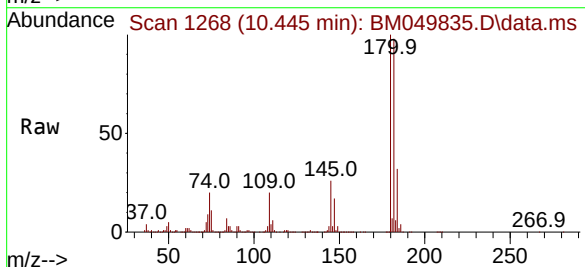
Tgt Ion:180 Resp: 1064144

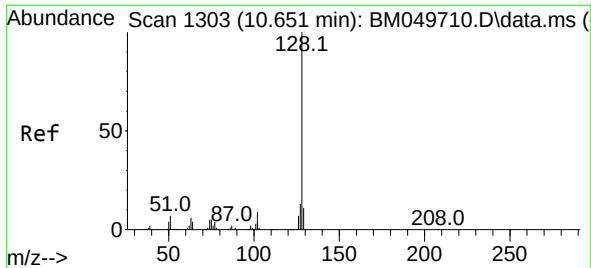
Ion Ratio Lower Upper

180 100

182 98.4 77.7 116.5

145 26.5 21.0 31.4

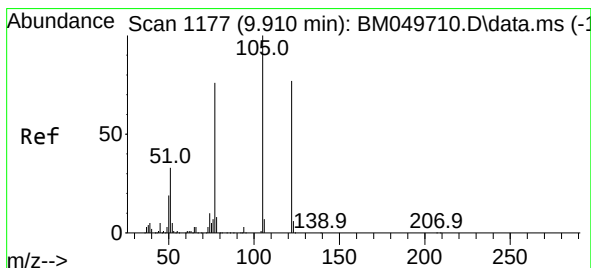
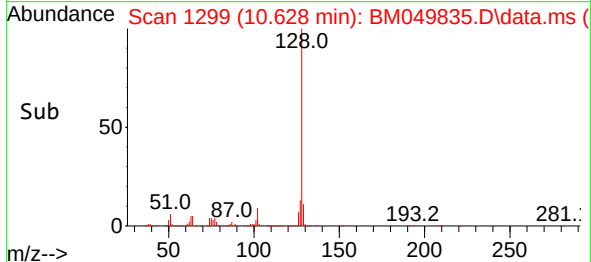
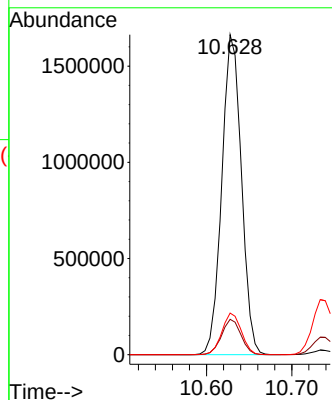
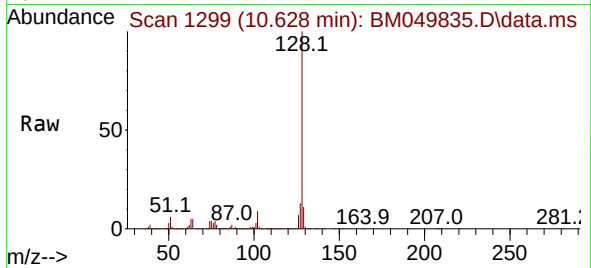




#31
Naphthalene
Concen: 48.769 ng
RT: 10.628 min Scan# 1175
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

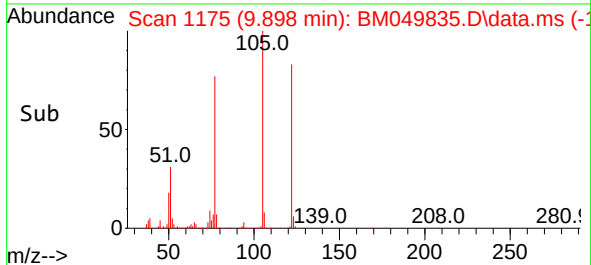
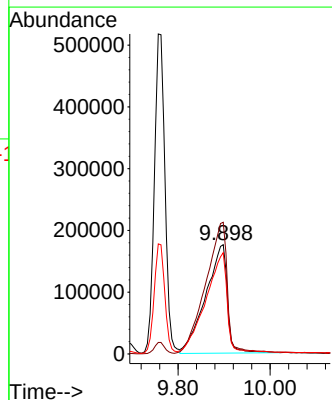
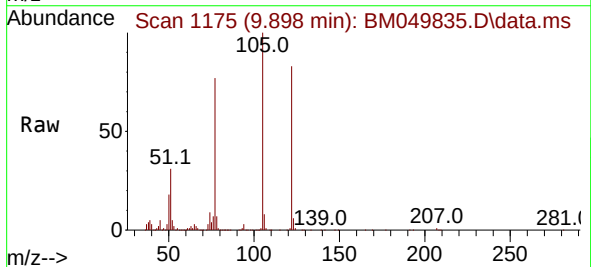
Instrument :
BNA_M
ClientSampleId :
PB167457BS

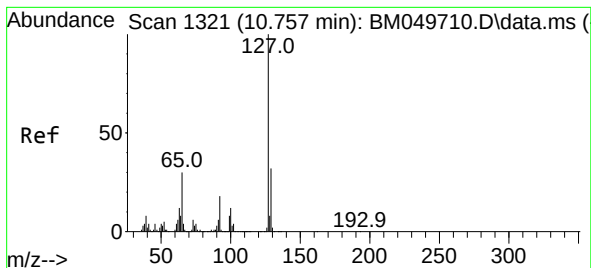
Tgt Ion:128 Resp: 2653033
Ion Ratio Lower Upper
128 100
129 11.1 8.6 13.0
127 13.0 10.4 15.6



#32
Benzoic acid
Concen: 64.092 ng
RT: 9.898 min Scan# 1175
Delta R.T. -0.012 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:122 Resp: 573772
Ion Ratio Lower Upper
122 100
105 120.5 105.6 145.6
77 92.8 76.9 116.9





#33

4-Chloroaniline

Concen: 26.858 ng

RT: 10.733 min Scan# 11

Delta R.T. -0.024 min

Lab File: BM049835.D

Acq: 07 Apr 2025 12:02

Instrument :

BNA_M

ClientSampleId :

PB167457BS

Tgt Ion:127 Resp: 498642

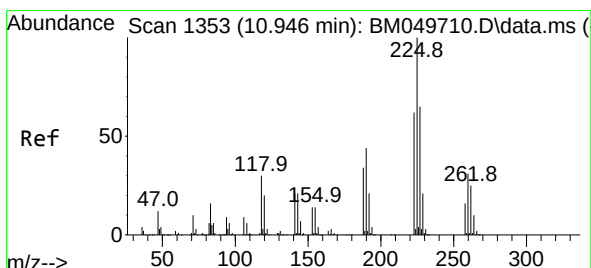
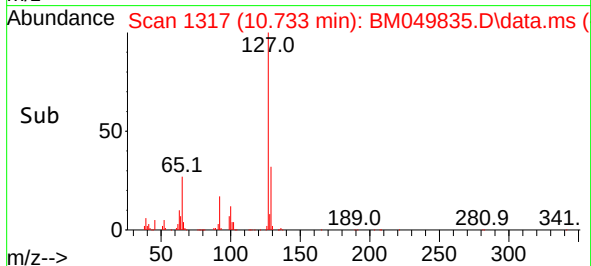
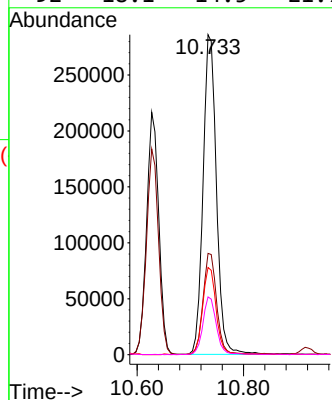
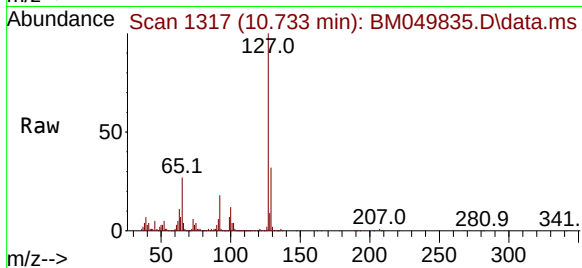
Ion Ratio Lower Upper

127 100

129 31.7 25.7 38.5

65 27.2 24.1 36.1

92 18.1 14.5 21.7



#34

Hexachlorobutadiene

Concen: 50.433 ng

RT: 10.922 min Scan# 1349

Delta R.T. -0.024 min

Lab File: BM049835.D

Acq: 07 Apr 2025 12:02

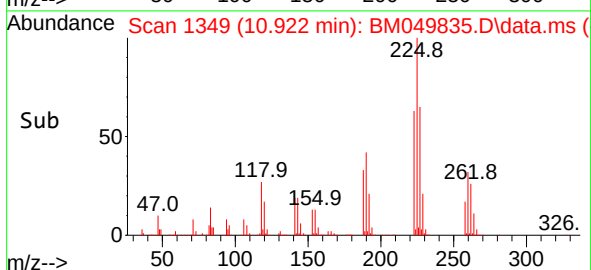
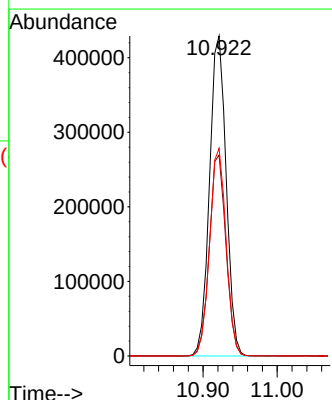
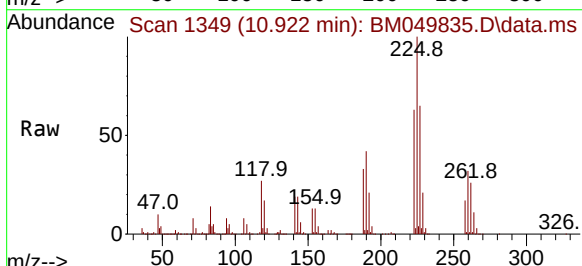
Tgt Ion:225 Resp: 668135

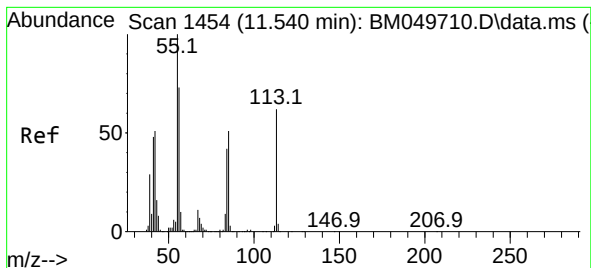
Ion Ratio Lower Upper

225 100

223 62.8 49.8 74.8

227 64.9 52.1 78.1





#35

Caprolactam

Concen: 63.457 ng

RT: 11.522 min Scan# 14

Delta R.T. -0.018 min

Lab File: BM049835.D

Acq: 07 Apr 2025 12:02

Instrument :

BNA_M

ClientSampleId :

PB167457BS

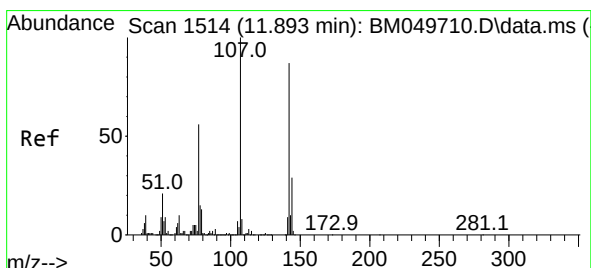
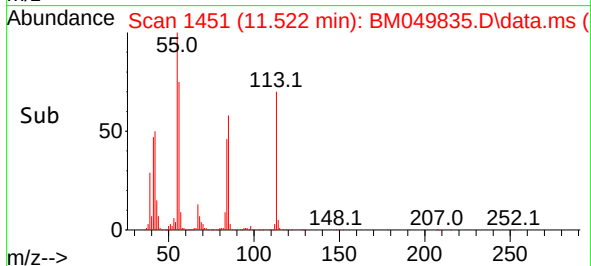
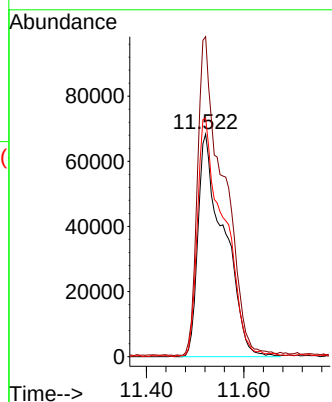
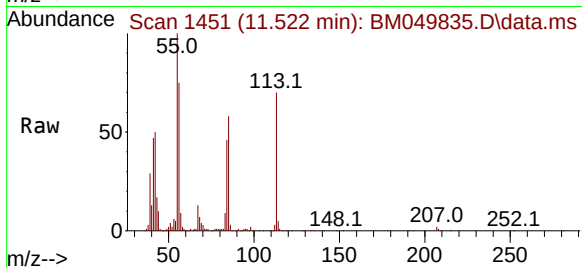
Tgt Ion:113 Resp: 252703

Ion Ratio Lower Upper

113 100

55 143.8 141.8 181.8

56 107.2 98.0 138.0



#36

4-Chloro-3-methylphenol

Concen: 54.591 ng

RT: 11.874 min Scan# 1511

Delta R.T. -0.018 min

Lab File: BM049835.D

Acq: 07 Apr 2025 12:02

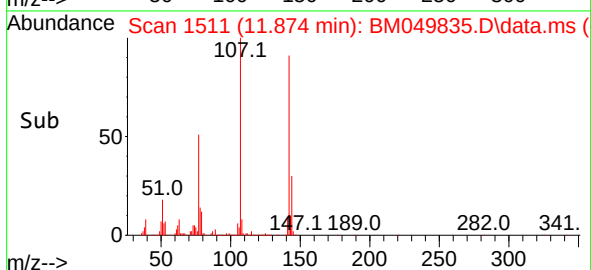
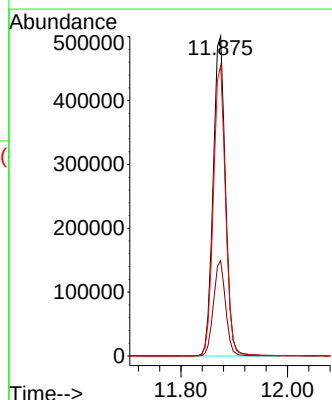
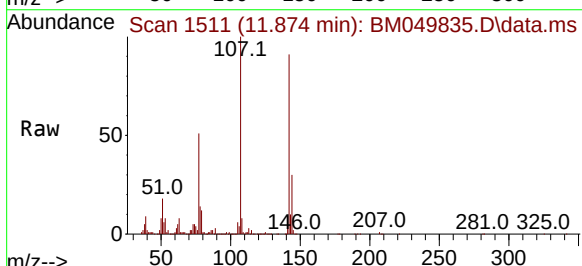
Tgt Ion:107 Resp: 803565

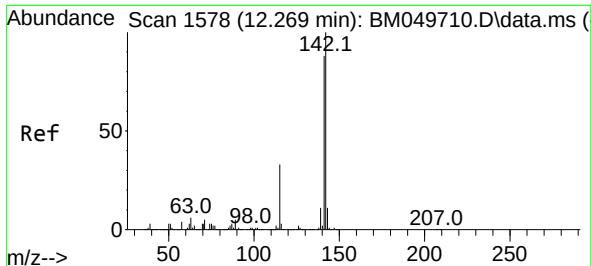
Ion Ratio Lower Upper

107 100

144 29.8 23.0 34.6

142 90.8 69.8 104.8

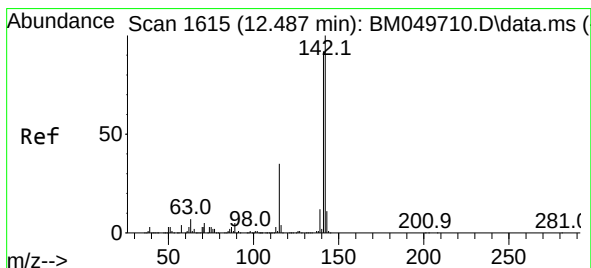
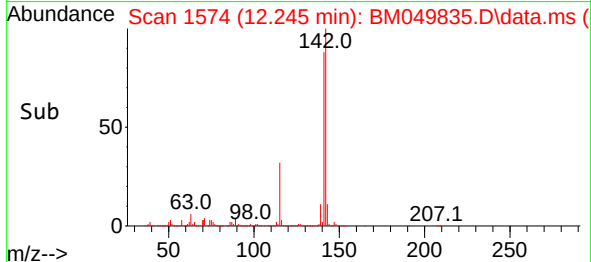
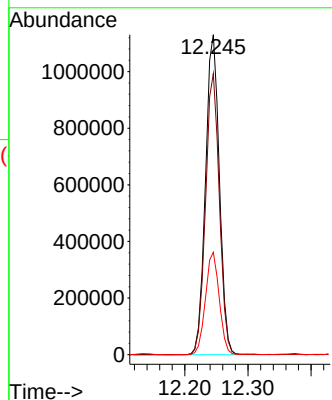
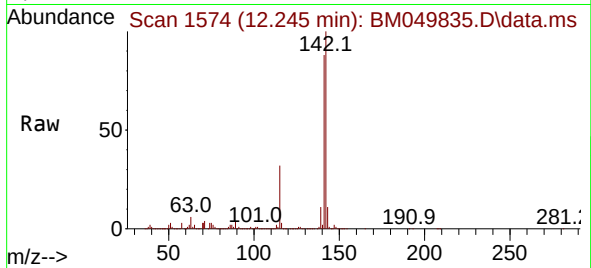




#37
2-Methylnaphthalene
Concen: 45.418 ng
RT: 12.245 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

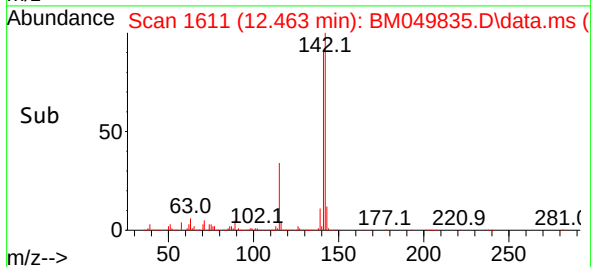
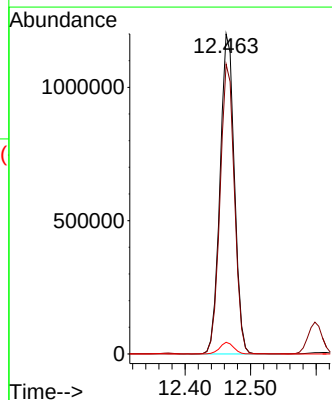
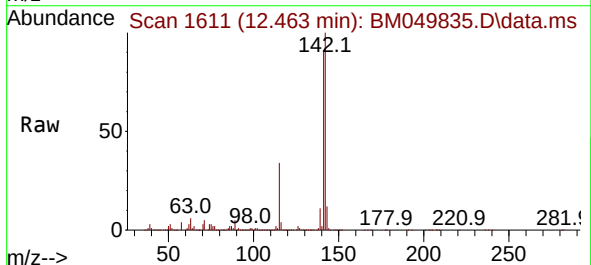
Instrument :
BNA_M
ClientSampleId :
PB167457BS

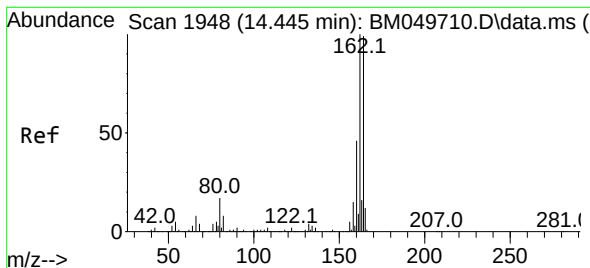
Tgt Ion:142 Resp: 1727651
Ion Ratio Lower Upper
142 100
141 87.8 70.5 105.7
115 32.0 26.5 39.7



#38
1-Methylnaphthalene
Concen: 49.500 ng
RT: 12.463 min Scan# 1611
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:142 Resp: 1816645
Ion Ratio Lower Upper
142 100
141 90.5 73.4 110.2
116 3.6 2.8 4.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.427 min Scan# 1945

Delta R.T. -0.018 min

Lab File: BM049835.D

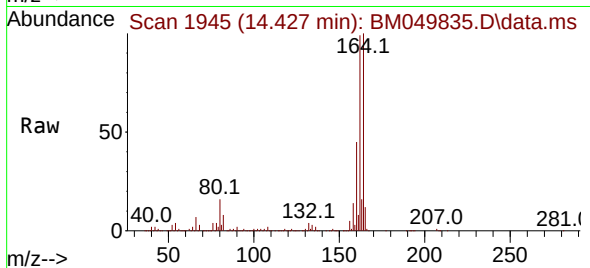
Acq: 07 Apr 2025 12:02

Instrument :

BNA_M

ClientSampleId :

PB167457BS



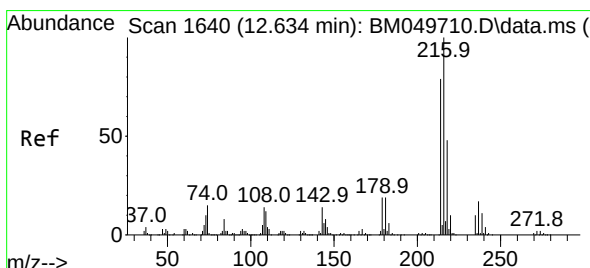
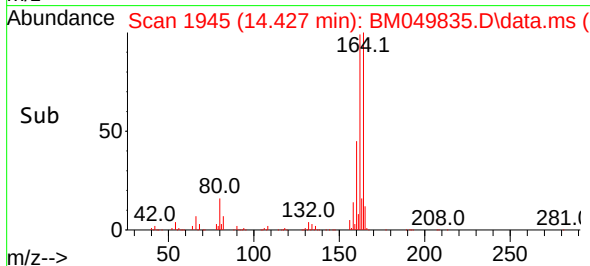
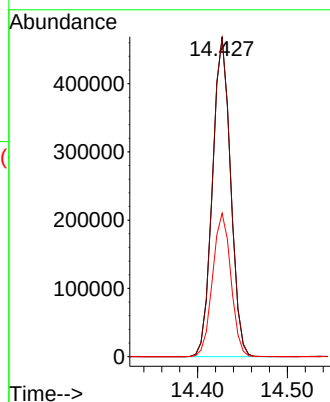
Tgt Ion:164 Resp: 655262

Ion Ratio Lower Upper

164 100

162 99.3 80.5 120.7

160 44.8 36.9 55.3



#40

1,2,4,5-Tetrachlorobenzene

Concen: 49.381 ng

RT: 12.616 min Scan# 1637

Delta R.T. -0.018 min

Lab File: BM049835.D

Acq: 07 Apr 2025 12:02

Tgt Ion:216 Resp: 1188547

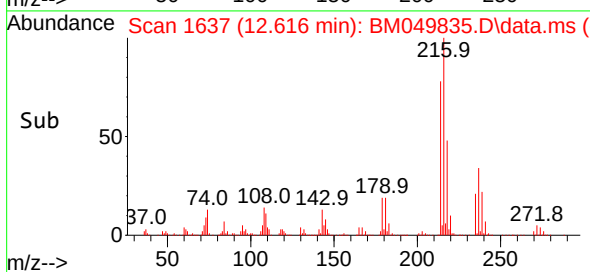
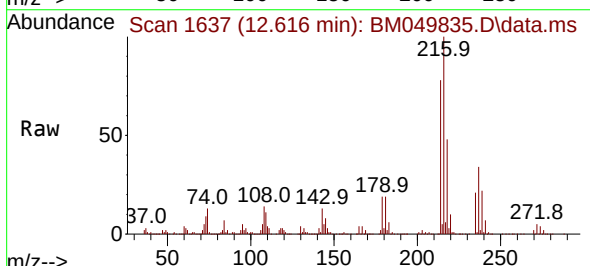
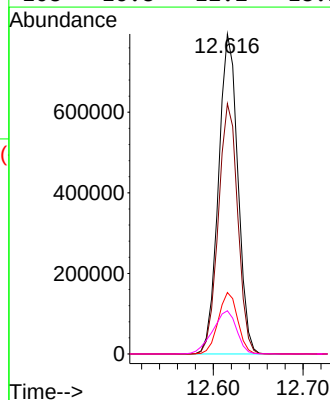
Ion Ratio Lower Upper

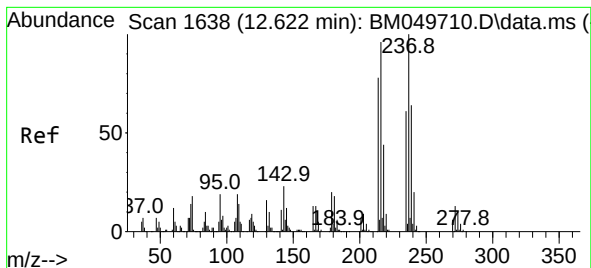
216 100

214 78.3 63.5 95.3

179 19.3 15.7 23.5

108 16.8 12.2 18.2





#41

Hexachlorocyclopentadiene

Concen: 194.615 ng

RT: 12.598 min Scan# 1

Delta R.T. -0.024 min

Lab File: BM049835.D

Acq: 07 Apr 2025 12:02

Instrument :

BNA_M

ClientSampleId :

PB167457BS

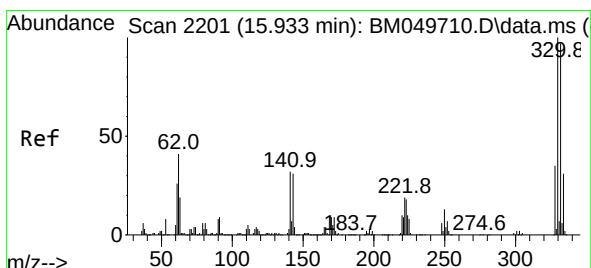
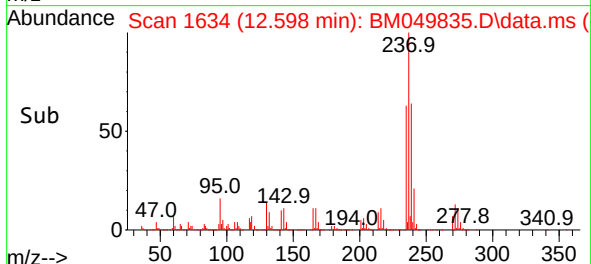
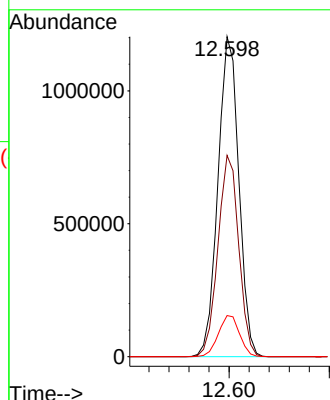
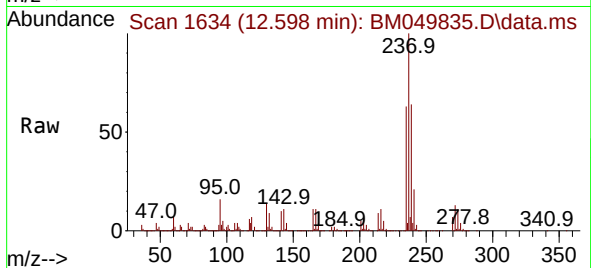
Tgt Ion:237 Resp: 1735350

Ion Ratio Lower Upper

237 100

235 62.9 41.1 81.1

272 12.9 0.0 32.5



#42

2,4,6-Tribromophenol

Concen: 188.269 ng

RT: 15.915 min Scan# 2198

Delta R.T. -0.018 min

Lab File: BM049835.D

Acq: 07 Apr 2025 12:02

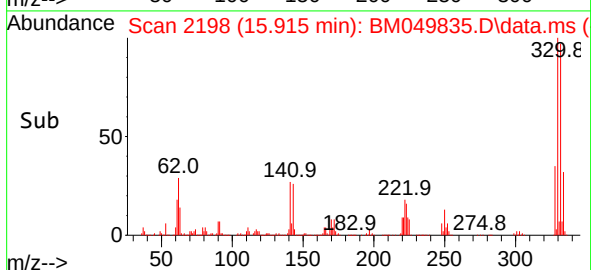
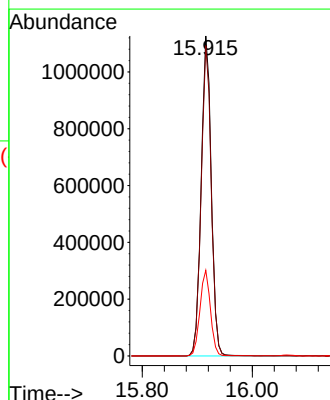
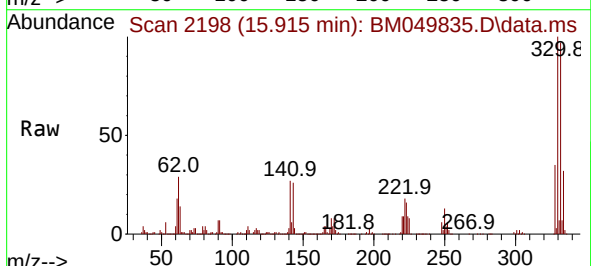
Tgt Ion:330 Resp: 1440540

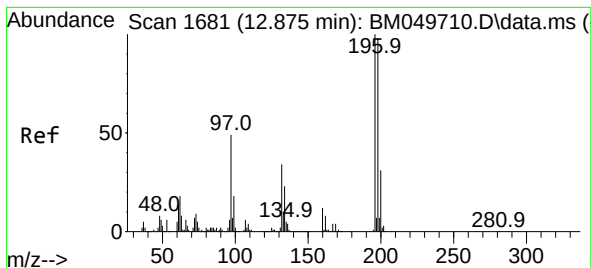
Ion Ratio Lower Upper

330 100

332 96.7 77.0 115.4

141 27.8 27.8 41.6





#43

2,4,6-Trichlorophenol

Concen: 56.637 ng

RT: 12.857 min Scan# 1

Delta R.T. -0.018 min

Lab File: BM049835.D

Acq: 07 Apr 2025 12:02

Instrument :

BNA_M

ClientSampleId :

PB167457BS

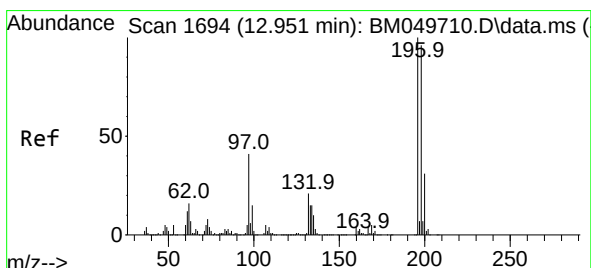
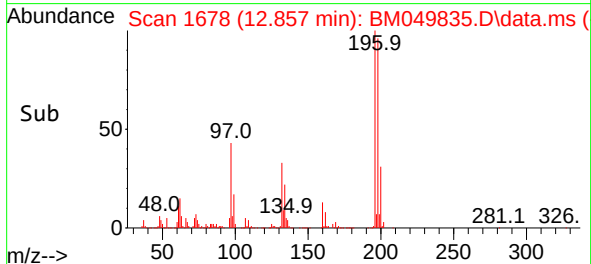
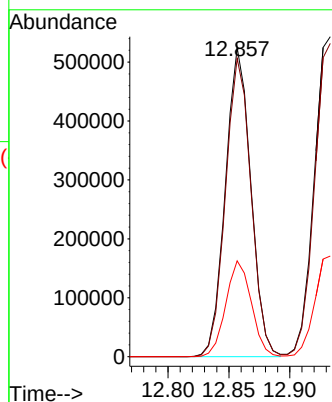
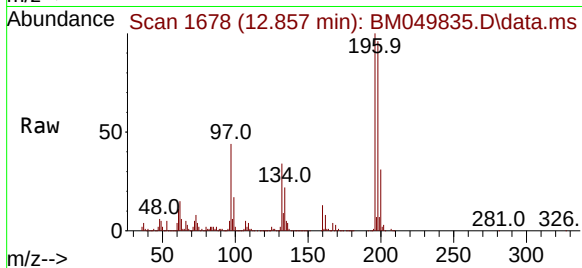
Tgt Ion:196 Resp: 763484

Ion Ratio Lower Upper

196 100

198 96.5 78.3 117.5

200 31.0 25.1 37.7



#44

2,4,5-Trichlorophenol

Concen: 56.338 ng

RT: 12.933 min Scan# 1691

Delta R.T. -0.018 min

Lab File: BM049835.D

Acq: 07 Apr 2025 12:02

Tgt Ion:196 Resp: 828758

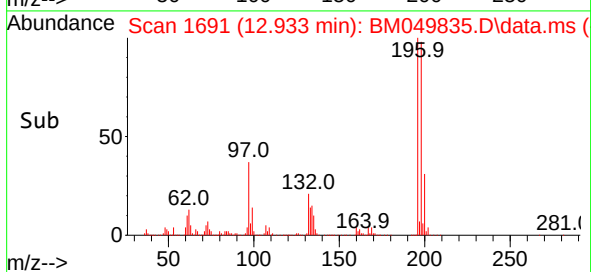
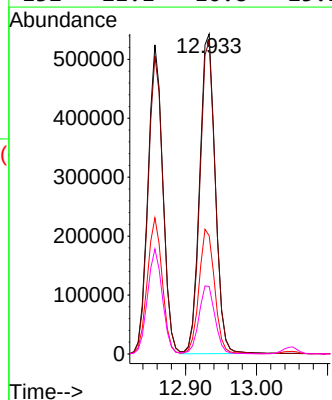
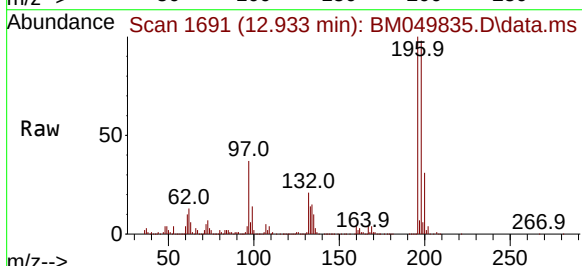
Ion Ratio Lower Upper

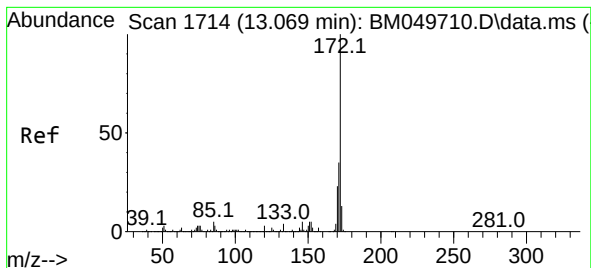
196 100

198 97.9 76.7 115.1

97 37.0 32.9 49.3

132 21.1 16.8 25.2





#45

2-Fluorobiphenyl

Concen: 91.632 ng

RT: 13.051 min Scan# 1

Delta R.T. -0.018 min

Lab File: BM049835.D

Acq: 07 Apr 2025 12:02

Instrument :

BNA_M

ClientSampleId :

PB167457BS

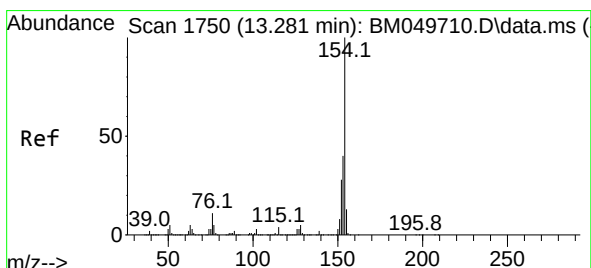
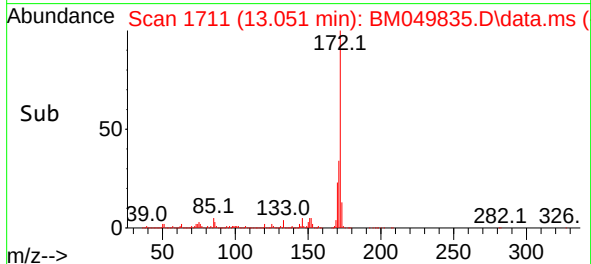
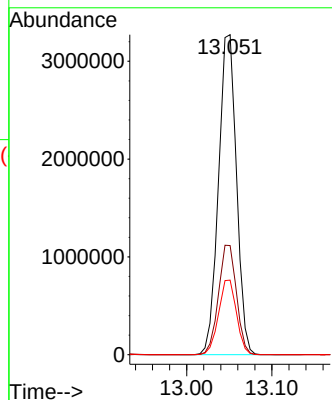
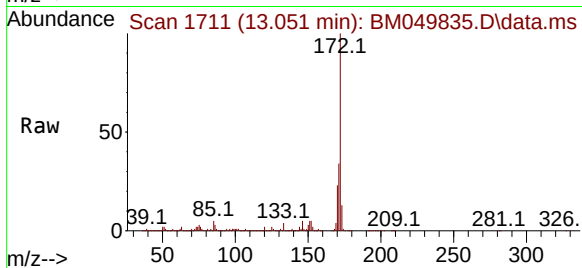
Tgt Ion:172 Resp: 4794312

Ion Ratio Lower Upper

172 100

171 34.1 27.9 41.9

170 23.3 18.6 28.0



#46

1,1'-Biphenyl

Concen: 49.272 ng

RT: 13.257 min Scan# 1746

Delta R.T. -0.024 min

Lab File: BM049835.D

Acq: 07 Apr 2025 12:02

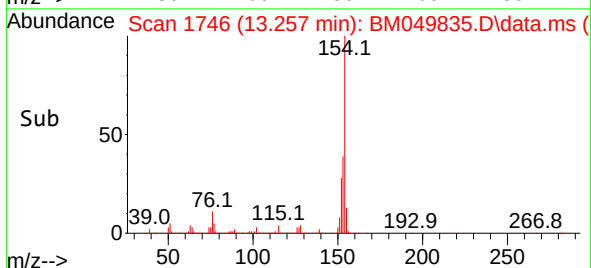
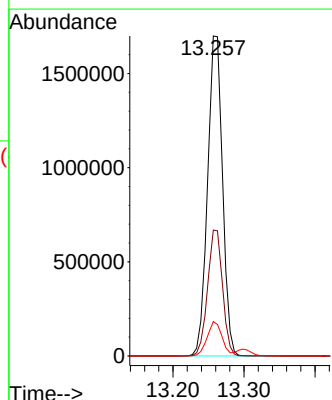
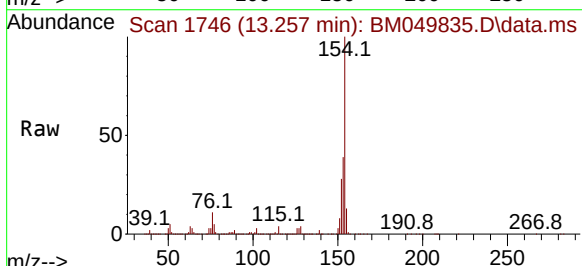
Tgt Ion:154 Resp: 2488311

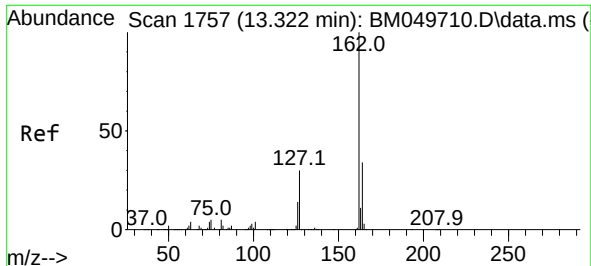
Ion Ratio Lower Upper

154 100

153 39.4 19.7 59.7

76 10.7 0.0 31.2

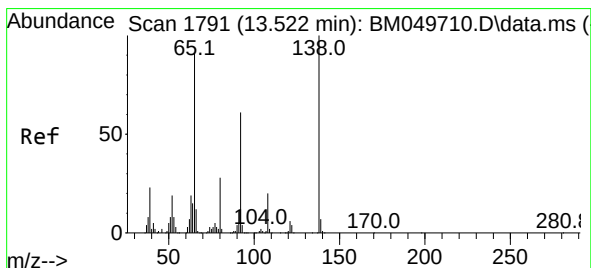
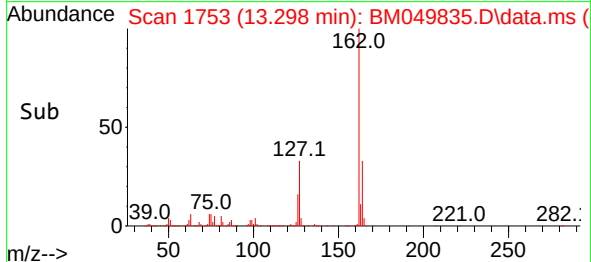
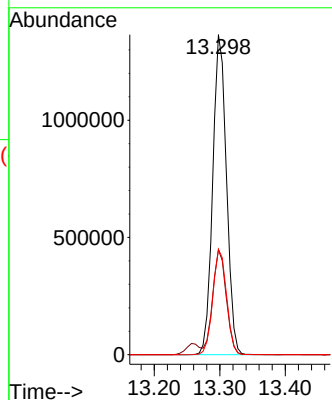
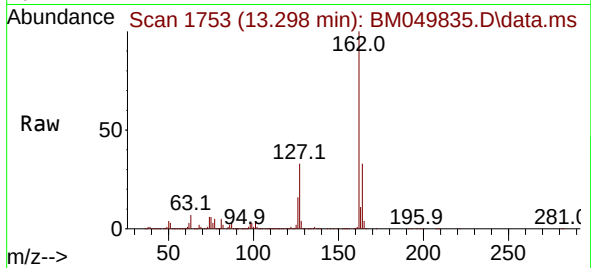




#47
2-Chloronaphthalene
Concen: 50.543 ng
RT: 13.298 min Scan# 11
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

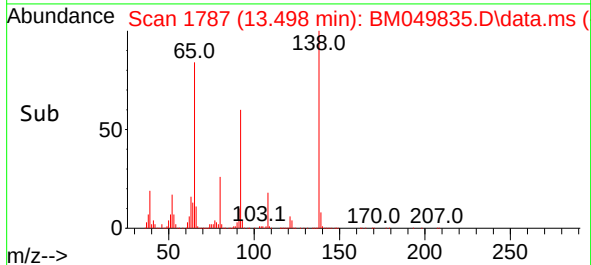
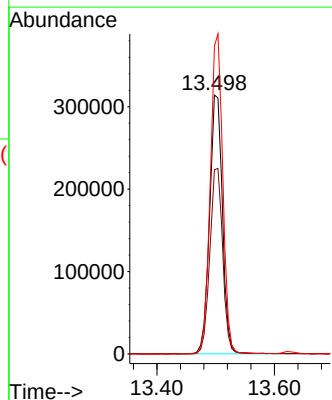
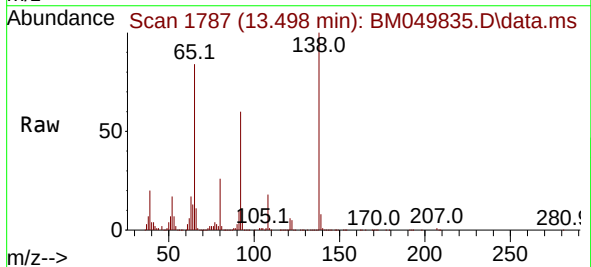
Instrument :
BNA_M
ClientSampleId :
PB167457BS

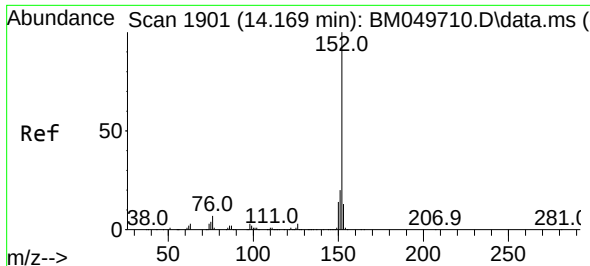
Tgt Ion:162 Resp: 1986776
Ion Ratio Lower Upper
162 100
127 32.8 25.8 38.6
164 33.0 27.1 40.7



#48
2-Nitroaniline
Concen: 53.805 ng
RT: 13.498 min Scan# 1787
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion: 65 Resp: 474795
Ion Ratio Lower Upper
65 100
92 71.1 53.4 80.2
138 118.9 87.6 131.4

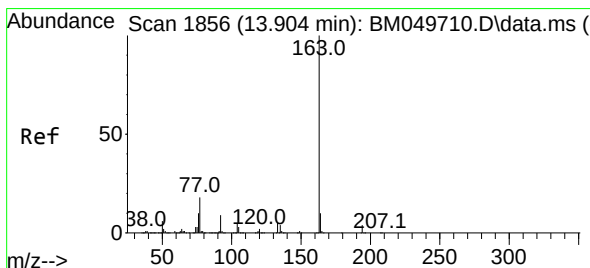
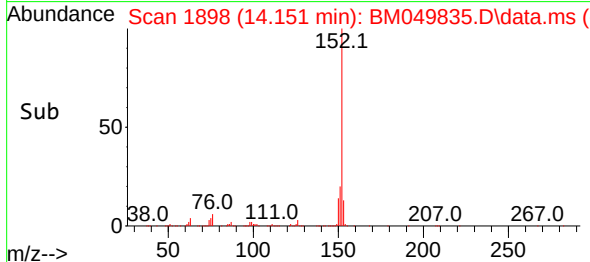
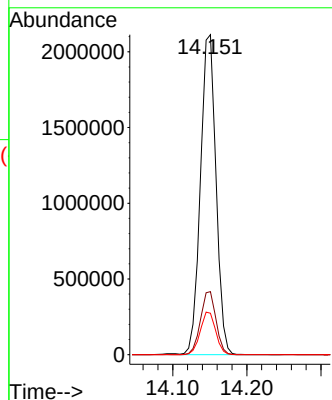
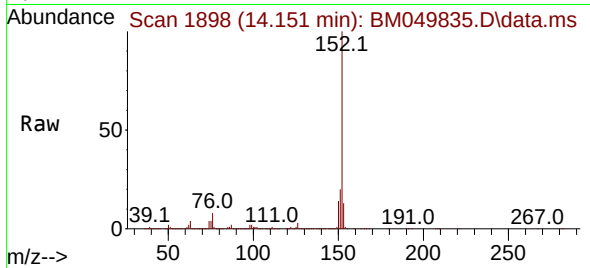




#49
Acenaphthylene
Concen: 56.023 ng
RT: 14.151 min Scan# 1898
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

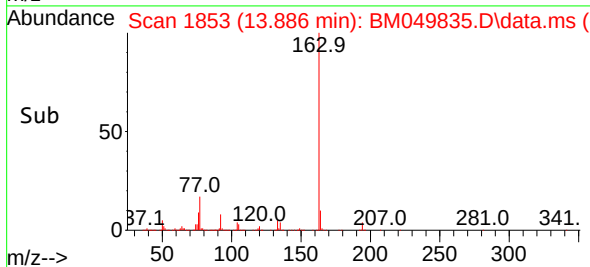
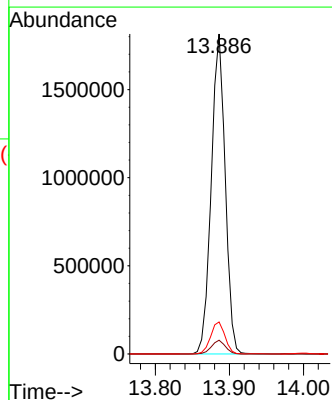
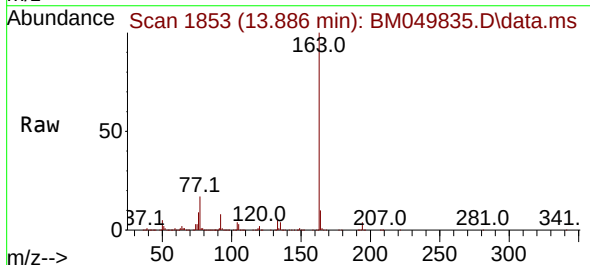
Instrument :
BNA_M
ClientSampleId :
PB167457BS

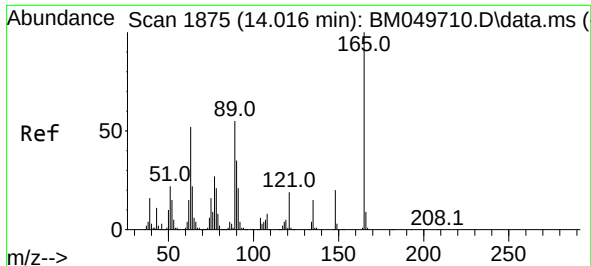
Tgt Ion:152 Resp: 3078171
Ion Ratio Lower Upper
152 100
151 19.7 15.8 23.8
153 12.9 10.2 15.4



#50
Dimethylphthalate
Concen: 52.529 ng
RT: 13.886 min Scan# 1853
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:163 Resp: 2369811
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.0
164 10.0 8.2 12.2

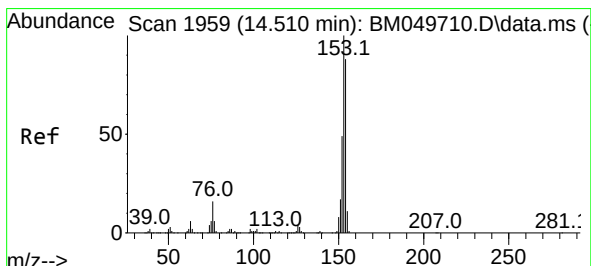
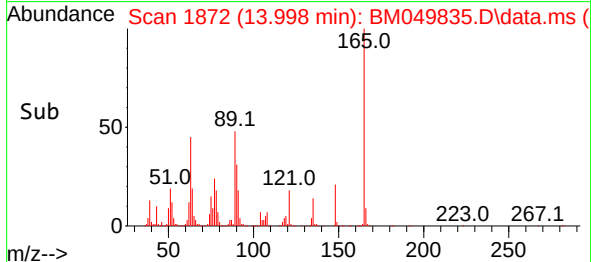
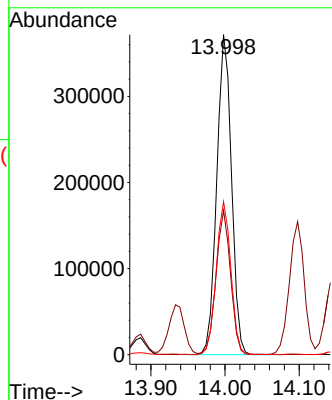
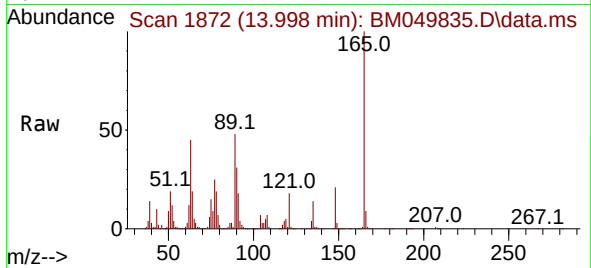




#51
2,6-Dinitrotoluene
Concen: 56.720 ng
RT: 13.998 min Scan# 1875
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

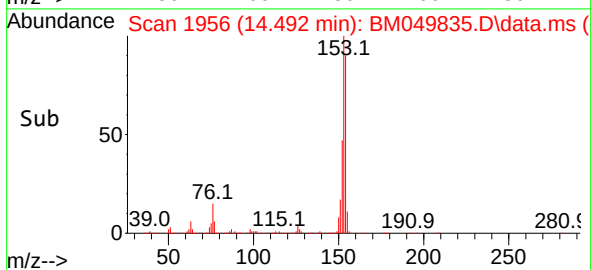
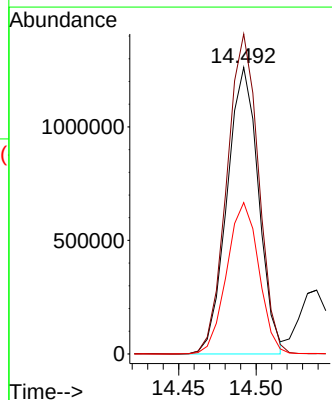
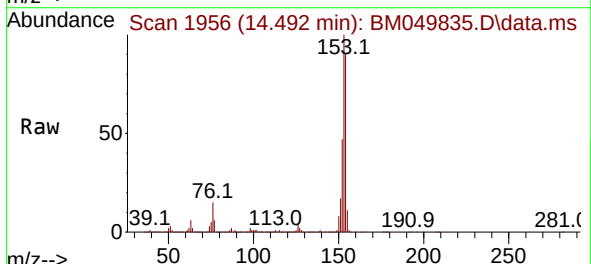
Instrument :
BNA_M
ClientSampleId :
PB167457BS

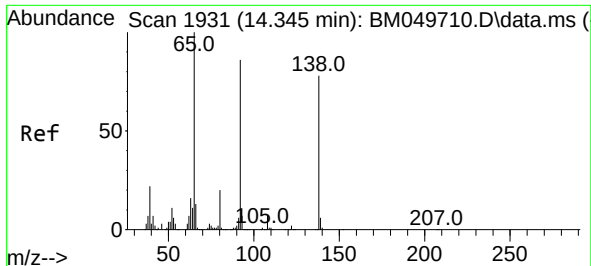
Tgt Ion:165 Resp: 512724
Ion Ratio Lower Upper
165 100
63 45.0 42.3 63.5
89 47.8 43.9 65.9



#52
Acenaphthene
Concen: 49.628 ng
RT: 14.492 min Scan# 1956
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:154 Resp: 1788612
Ion Ratio Lower Upper
154 100
153 111.7 90.4 135.6
152 52.8 44.2 66.2

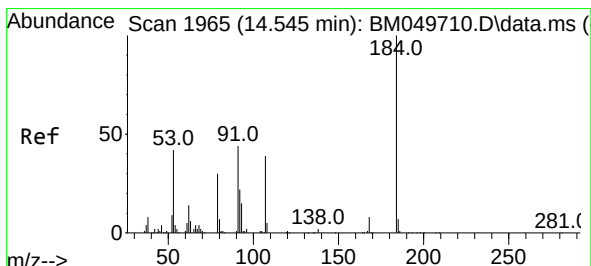
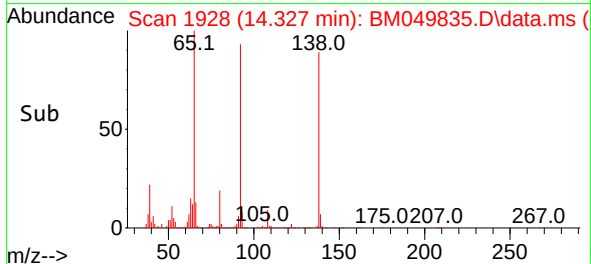
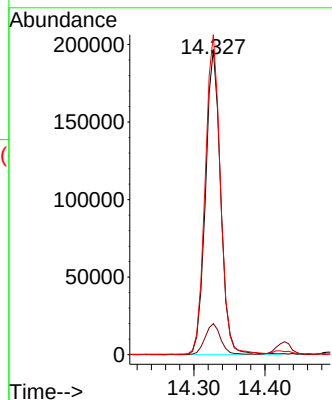
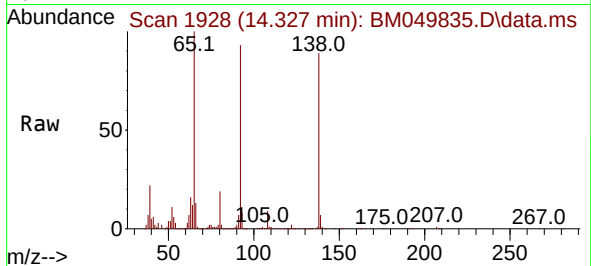




#53
3-Nitroaniline
Concen: 34.011 ng
RT: 14.327 min Scan# 1931
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

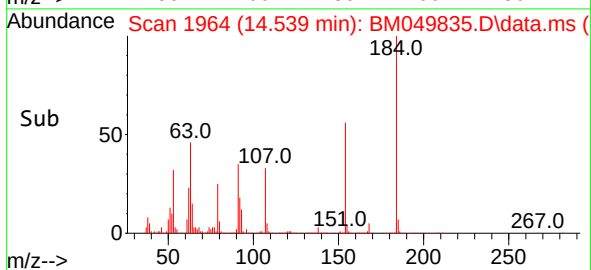
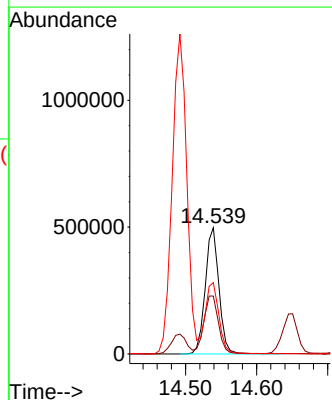
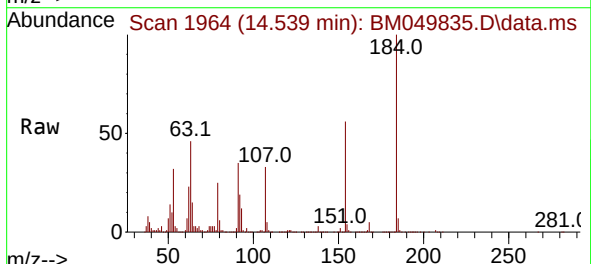
Instrument :
BNA_M
ClientSampleId :
PB167457BS

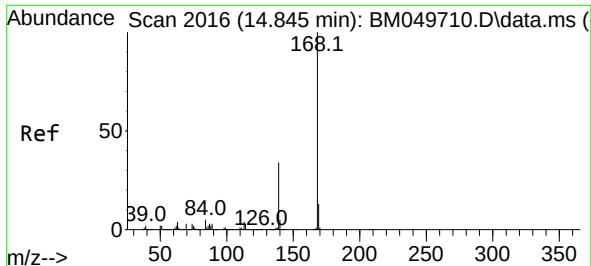
Tgt Ion:138 Resp: 292564
Ion Ratio Lower Upper
138 100
108 10.2 7.5 11.3
92 104.9 88.0 132.0



#54
2,4-Dinitrophenol
Concen: 103.811 ng
RT: 14.539 min Scan# 1964
Delta R.T. -0.006 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:184 Resp: 670138
Ion Ratio Lower Upper
184 100
63 45.8 47.2 70.8#
154 56.5 49.9 74.9

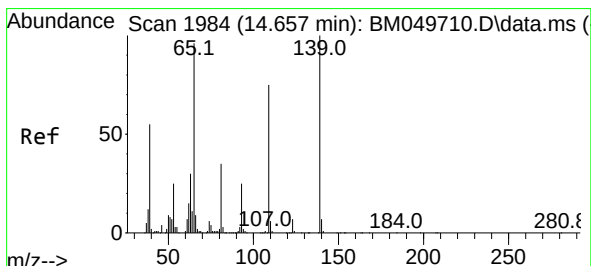
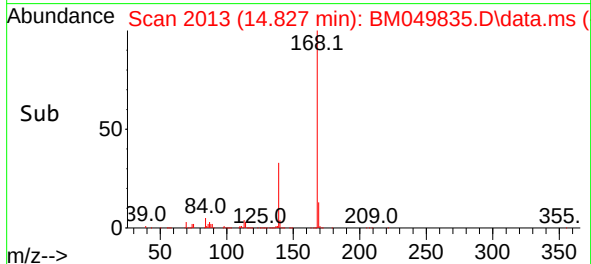
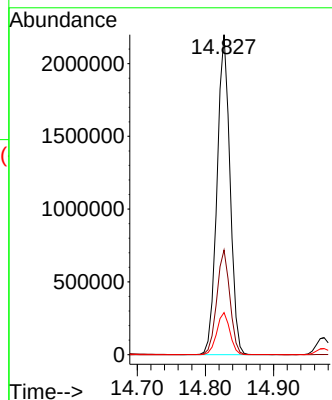
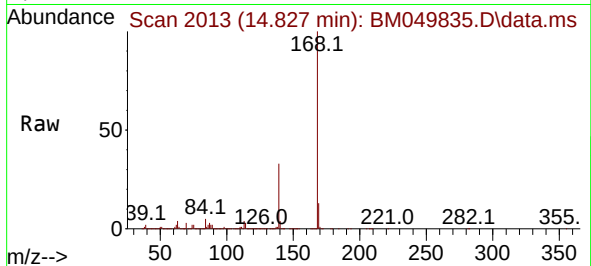




#55
Dibenzofuran
Concen: 48.468 ng
RT: 14.827 min Scan# 20
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

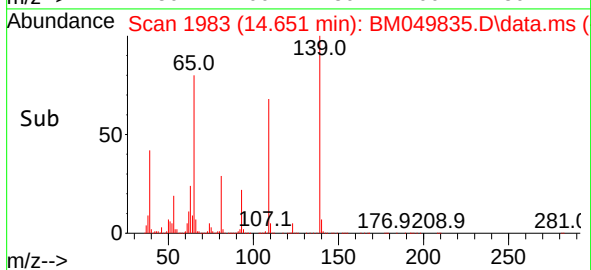
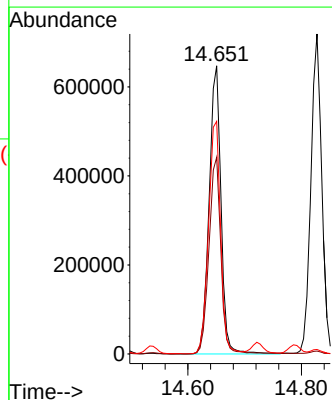
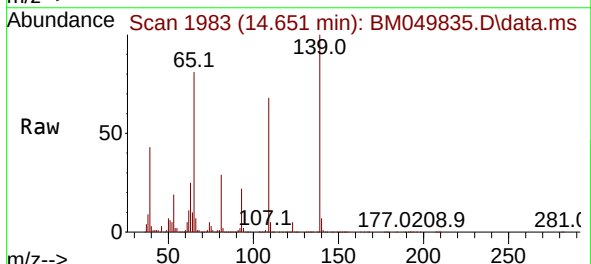
Instrument :
BNA_M
ClientSampleId :
PB167457BS

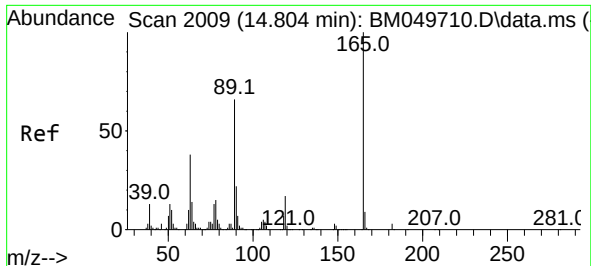
Tgt Ion:168 Resp: 2910751
Ion Ratio Lower Upper
168 100
139 32.7 27.4 41.0
169 13.2 10.7 16.1



#56
4-Nitrophenol
Concen: 124.890 ng
RT: 14.651 min Scan# 1983
Delta R.T. -0.006 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:139 Resp: 935144
Ion Ratio Lower Upper
139 100
109 68.3 54.7 94.7
65 80.8 76.2 116.2

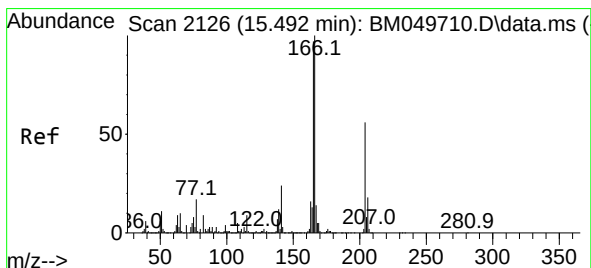
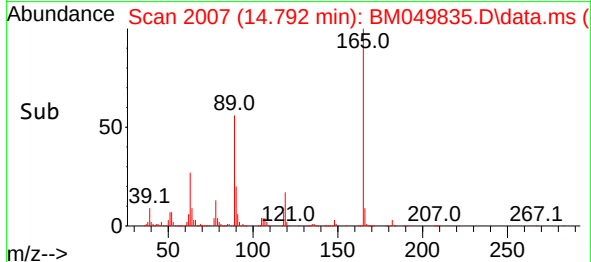
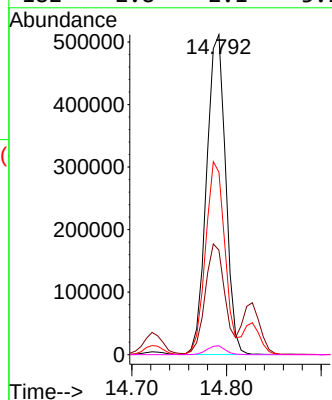
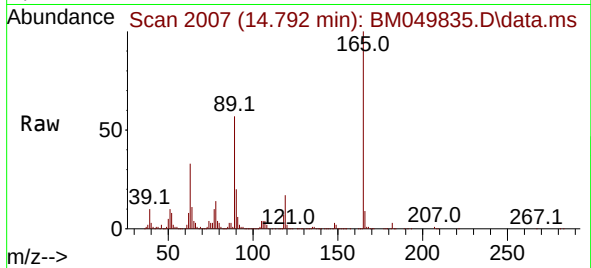




#57
2,4-Dinitrotoluene
Concen: 61.416 ng
RT: 14.792 min Scan# 20
Delta R.T. -0.012 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

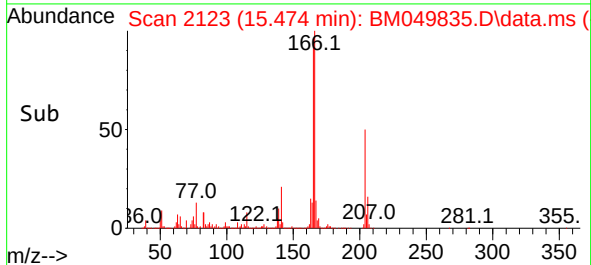
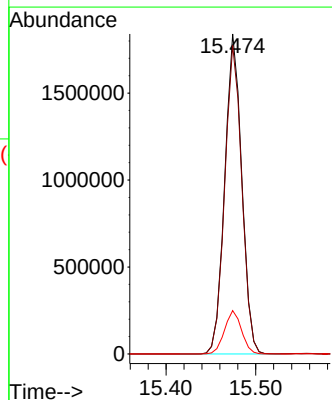
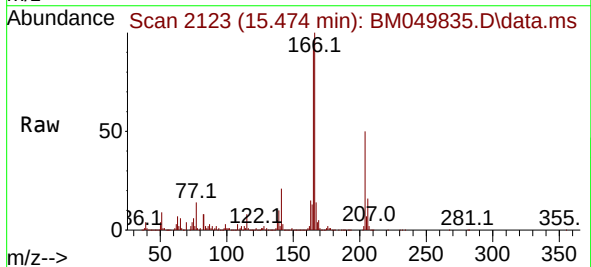
Instrument :
BNA_M
ClientSampleId :
PB167457BS

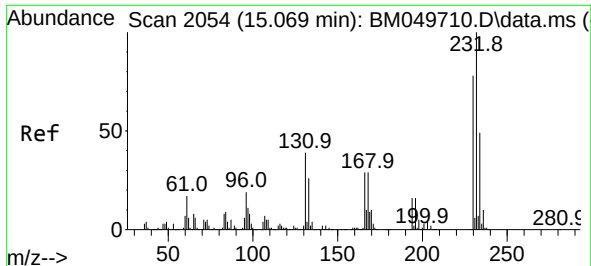
Tgt Ion:165 Resp: 714379
Ion Ratio Lower Upper
165 100
63 32.7 30.8 46.2
89 57.0 53.1 79.7
182 2.8 2.1 3.1



#58
Fluorene
Concen: 49.529 ng
RT: 15.474 min Scan# 2123
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:166 Resp: 2421737
Ion Ratio Lower Upper
166 100
165 96.4 77.5 116.3
167 13.5 10.9 16.3

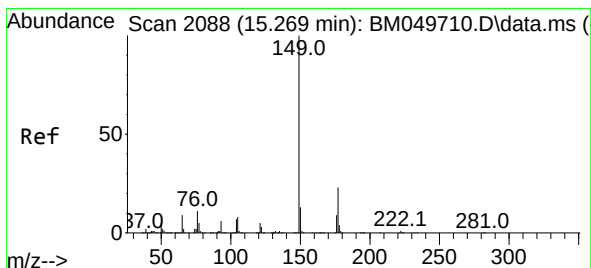
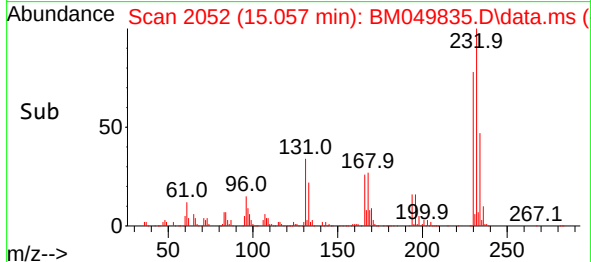
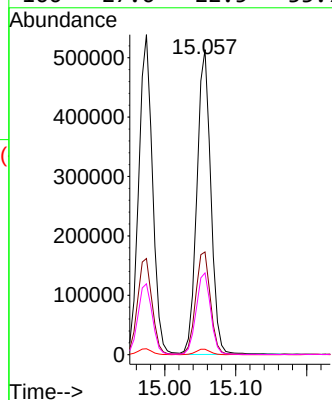
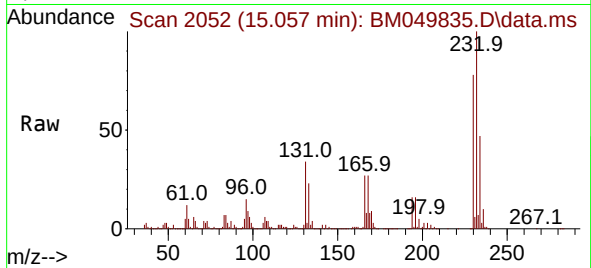




#59
2,3,4,6-Tetrachlorophenol
Concen: 56.918 ng
RT: 15.057 min Scan# 2052
Delta R.T. -0.012 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

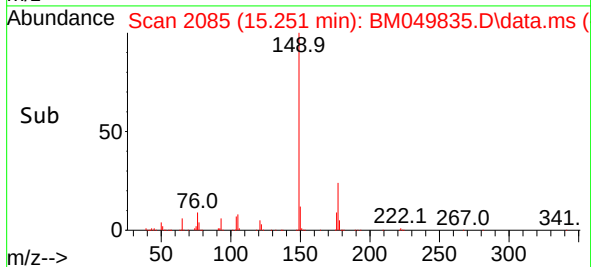
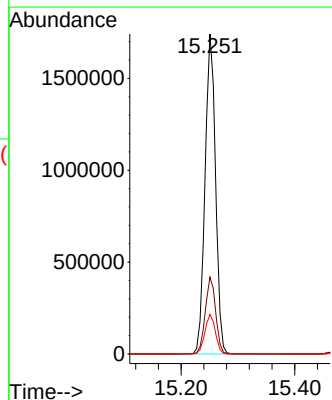
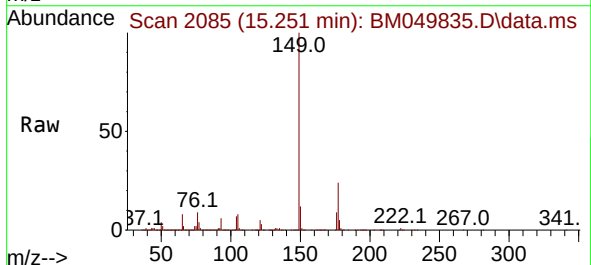
Instrument :
BNA_M
ClientSampleId :
PB167457BS

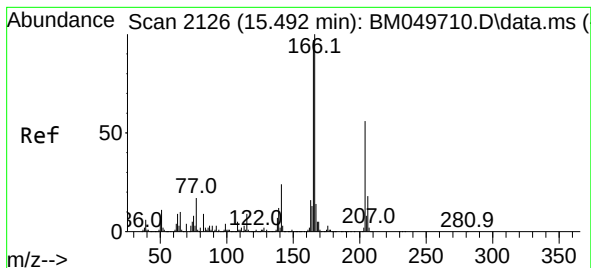
Tgt Ion:232 Resp: 700873
Ion Ratio Lower Upper
232 100
131 35.4 30.0 45.0
130 1.9 1.6 2.4
166 27.6 22.5 33.7



#60
Diethylphthalate
Concen: 52.327 ng
RT: 15.251 min Scan# 2085
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:149 Resp: 2223354
Ion Ratio Lower Upper
149 100
177 24.0 18.2 27.2
150 12.4 10.0 15.0

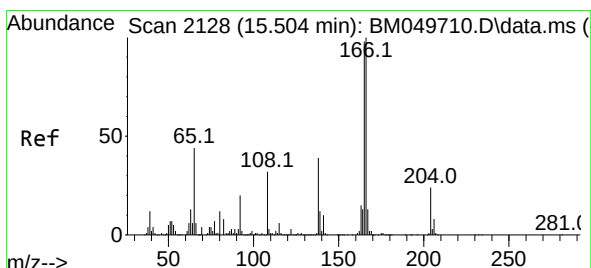
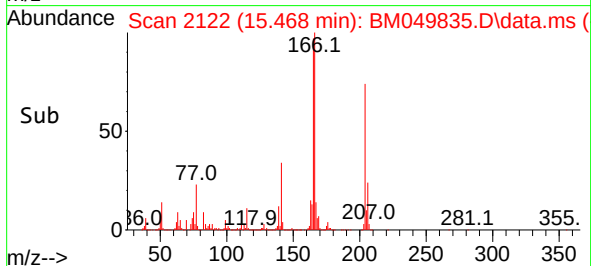
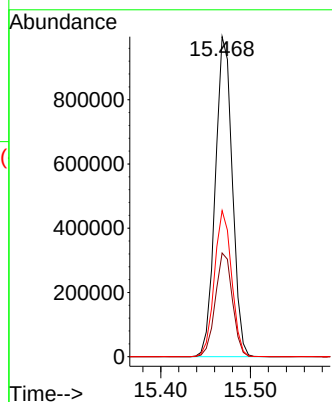
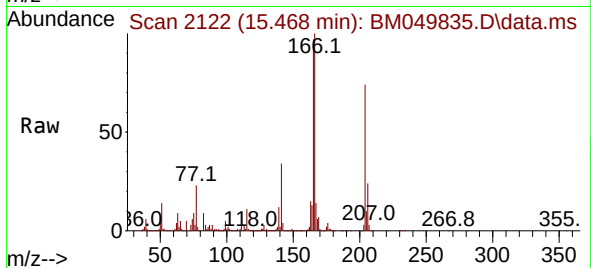




#61
4-Chlorophenyl-phenylether
Concen: 49.027 ng
RT: 15.468 min Scan# 2122
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

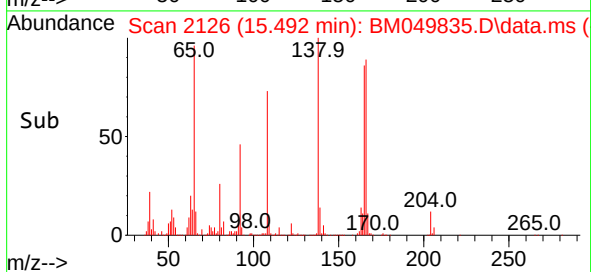
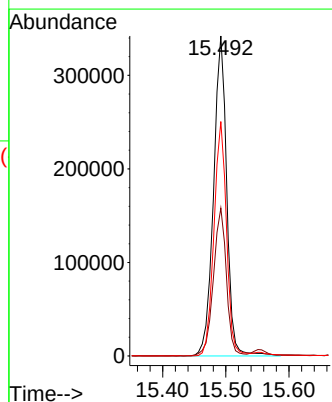
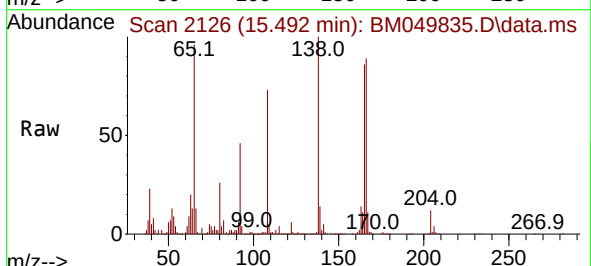
Instrument :
BNA_M
ClientSampleId :
PB167457BS

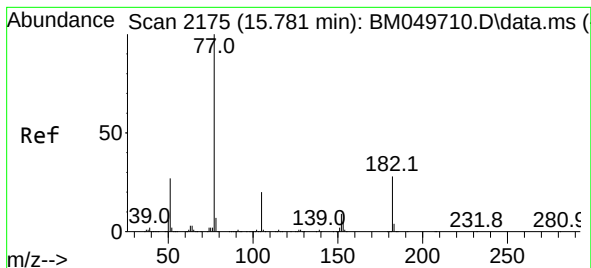
Tgt Ion:204 Resp: 1309037
Ion Ratio Lower Upper
204 100
206 32.4 25.2 37.8
141 45.7 34.5 51.7



#62
4-Nitroaniline
Concen: 48.508 ng
RT: 15.492 min Scan# 2126
Delta R.T. -0.012 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:138 Resp: 496912
Ion Ratio Lower Upper
138 100
92 46.2 29.8 69.8
108 73.2 61.3 101.3





#63

Azobenzene

Concen: 47.315 ng

RT: 15.762 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM049835.D

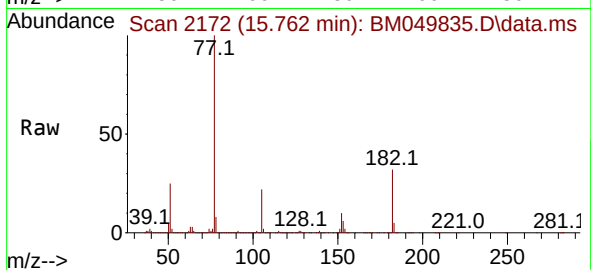
Acq: 07 Apr 2025 12:02

Instrument :

BNA_M

ClientSampleId :

PB167457BS



Tgt Ion: 77 Resp: 1920304

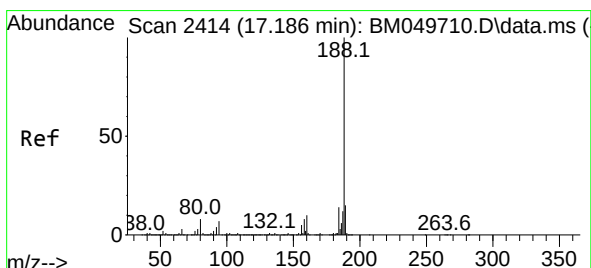
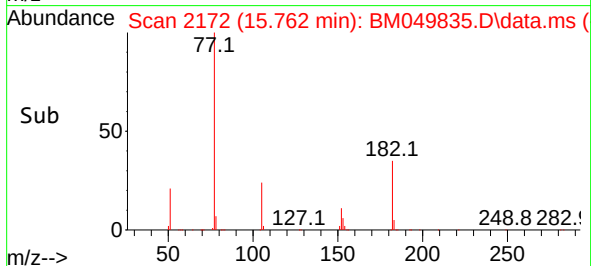
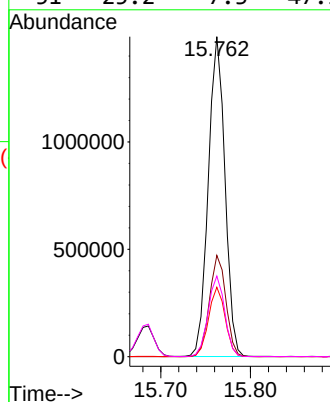
Ion Ratio Lower Upper

77 100

182 31.7 8.0 48.0

105 21.7 0.0 40.0

51 25.2 7.3 47.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.168 min Scan# 2411

Delta R.T. -0.018 min

Lab File: BM049835.D

Acq: 07 Apr 2025 12:02

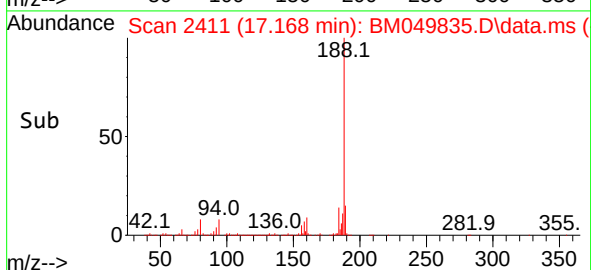
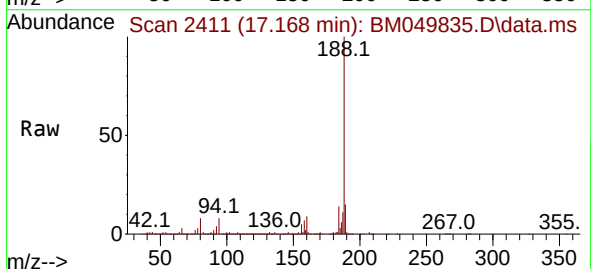
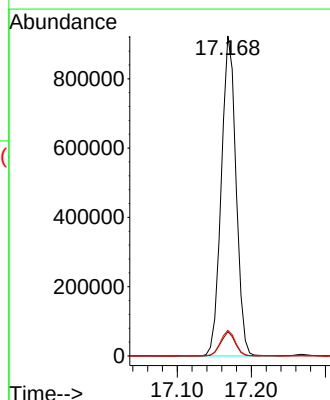
Tgt Ion:188 Resp: 1274582

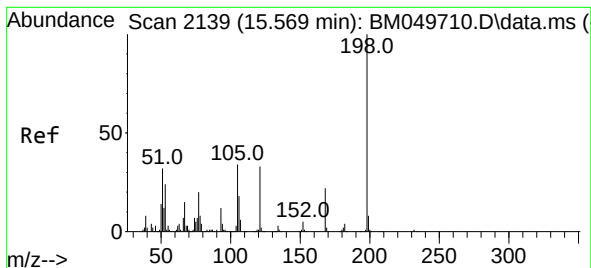
Ion Ratio Lower Upper

188 100

94 7.6 5.8 8.6

80 8.0 6.3 9.5

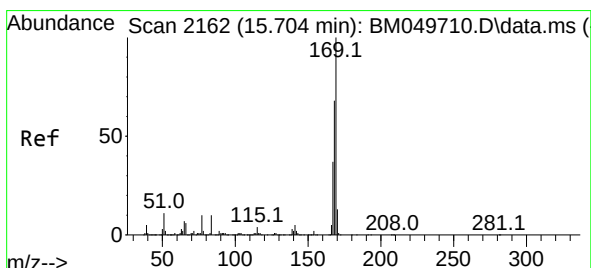
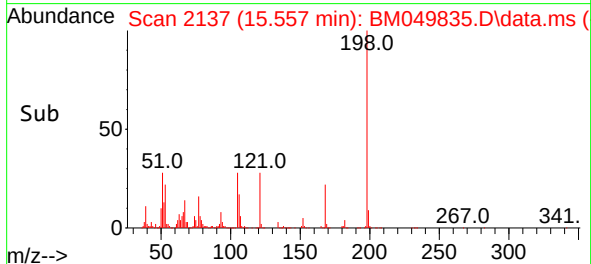
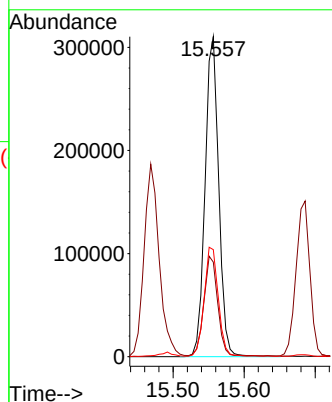
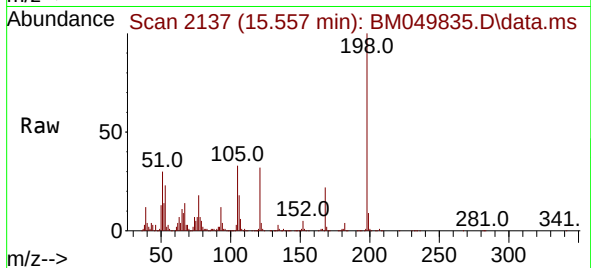




#65
4,6-Dinitro-2-methylphenol
Concen: 57.020 ng
RT: 15.557 min Scan# 2137
Delta R.T. -0.012 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

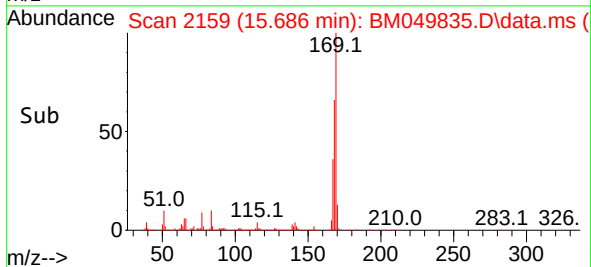
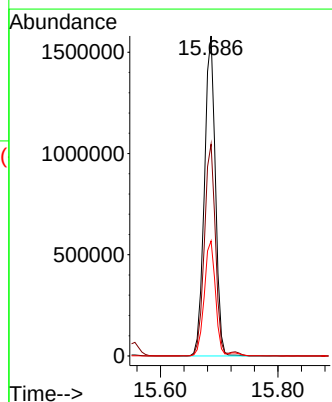
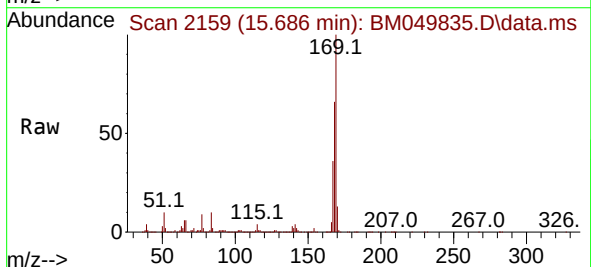
Instrument :
BNA_M
ClientSampleId :
PB167457BS

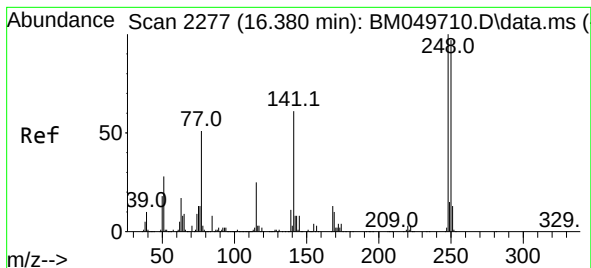
Tgt Ion:198 Resp: 415746
Ion Ratio Lower Upper
198 100
51 29.6 13.8 53.8
105 33.4 14.0 54.0



#66
n-Nitrosodiphenylamine
Concen: 53.215 ng
RT: 15.686 min Scan# 2159
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:169 Resp: 2055011
Ion Ratio Lower Upper
169 100
168 66.2 54.8 82.2
167 35.9 29.9 44.9

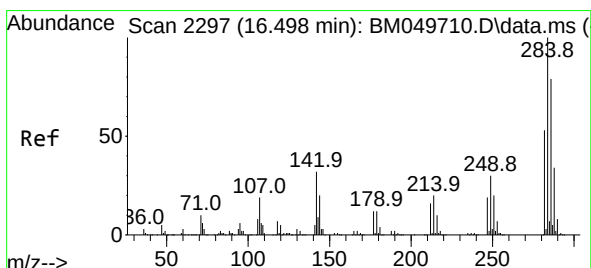
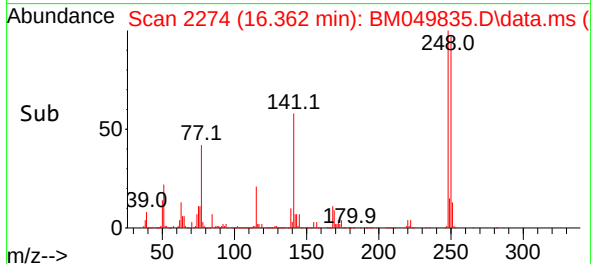
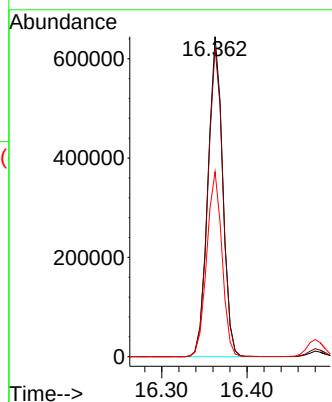
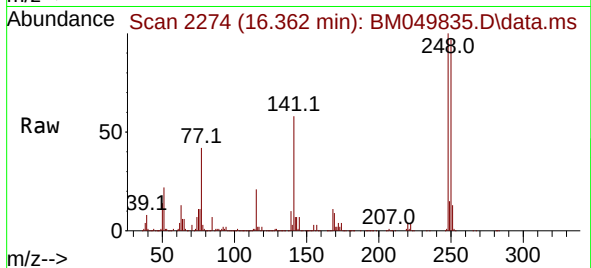




#67
4-Bromophenyl-phenylether
Concen: 52.885 ng
RT: 16.362 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

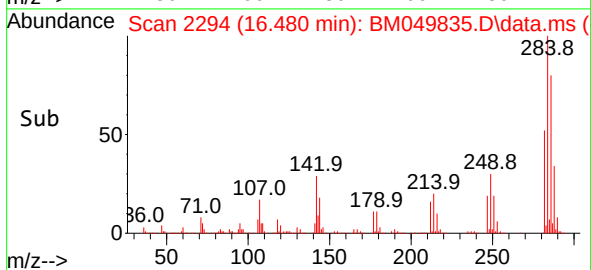
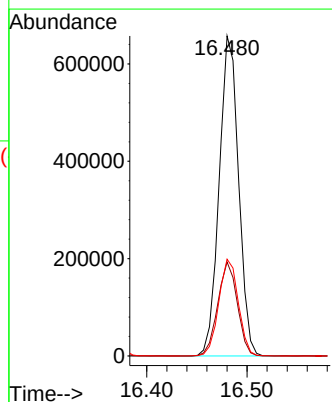
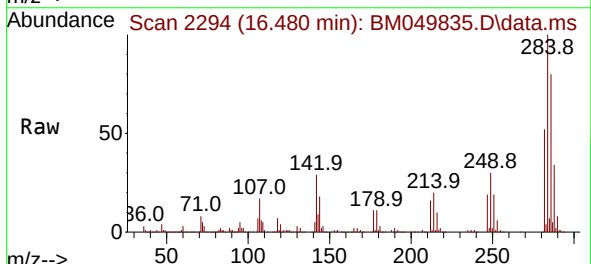
Instrument :
BNA_M
ClientSampleId :
PB167457BS

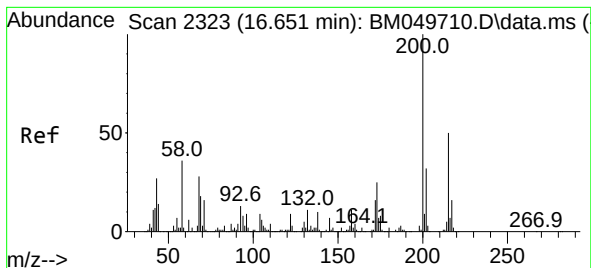
Tgt Ion:248 Resp: 778250
Ion Ratio Lower Upper
248 100
250 96.7 77.9 116.9
141 57.8 48.6 73.0



#68
Hexachlorobenzene
Concen: 53.319 ng
RT: 16.480 min Scan# 2294
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:284 Resp: 882335
Ion Ratio Lower Upper
284 100
142 29.4 25.5 38.3
249 30.2 24.2 36.2





#69

Atrazine

Concen: 88.822 ng

RT: 16.633 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM049835.D

Acq: 07 Apr 2025 12:02

Instrument :

BNA_M

ClientSampleId :

PB167457BS

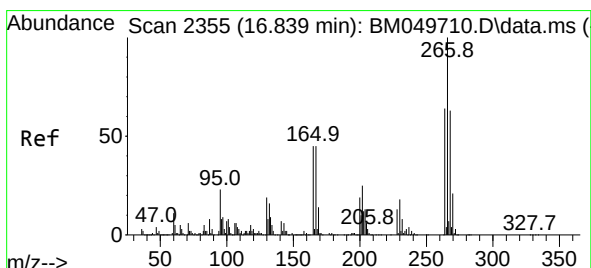
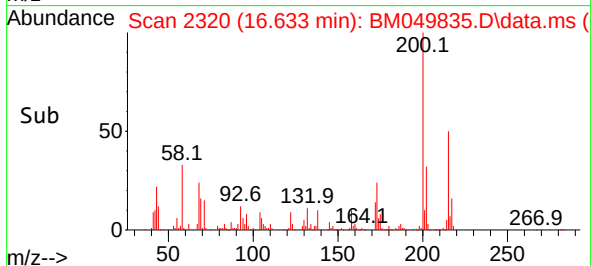
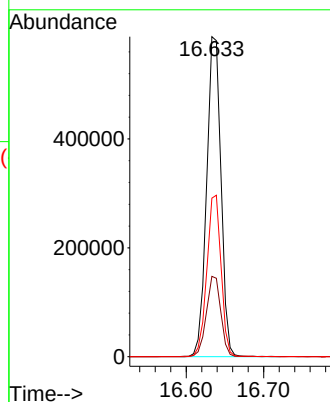
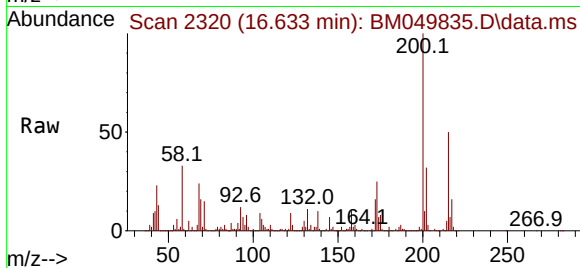
Tgt Ion:200 Resp: 755933

Ion Ratio Lower Upper

200 100

173 25.1 5.4 45.4

215 49.5 29.8 69.8



#70

Pentachlorophenol

Concen: 124.467 ng

RT: 16.827 min Scan# 2353

Delta R.T. -0.012 min

Lab File: BM049835.D

Acq: 07 Apr 2025 12:02

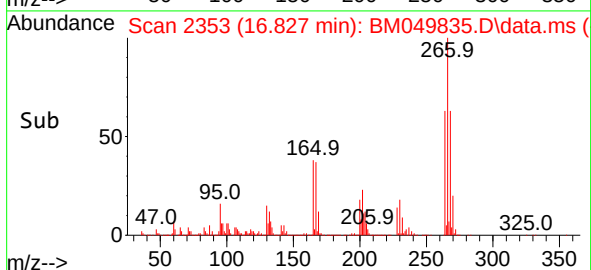
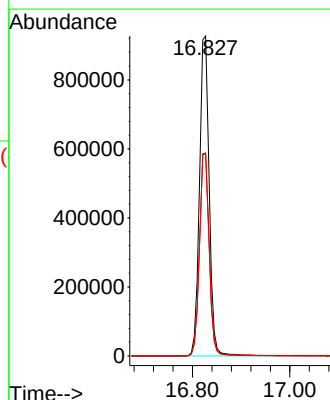
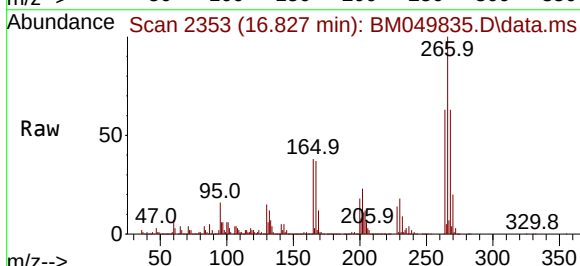
Tgt Ion:266 Resp: 1294388

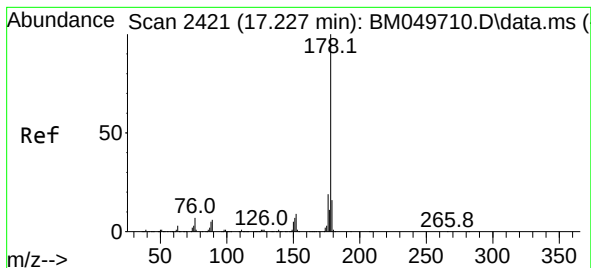
Ion Ratio Lower Upper

266 100

268 63.5 50.2 75.2

264 62.9 51.3 76.9





#71

Phenanthrene

Concen: 52.462 ng

RT: 17.209 min Scan# 2418

Delta R.T. -0.018 min

Lab File: BM049835.D

Acq: 07 Apr 2025 12:02

Instrument :

BNA_M

ClientSampleId :

PB167457BS

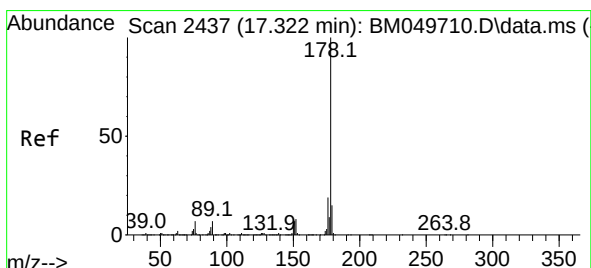
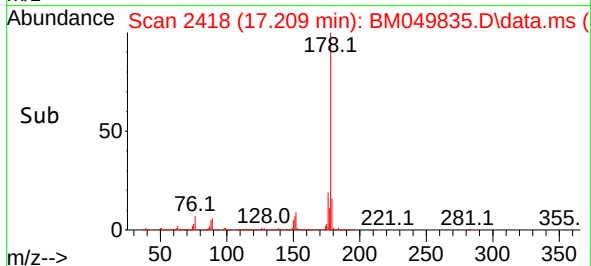
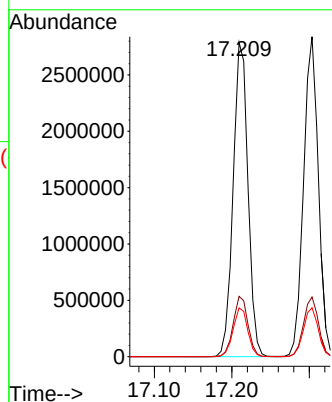
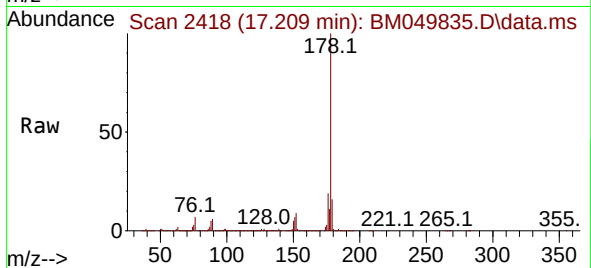
Tgt Ion:178 Resp: 3712945

Ion Ratio Lower Upper

178 100

176 19.2 15.5 23.3

179 15.5 12.5 18.7



#72

Anthracene

Concen: 55.085 ng

RT: 17.304 min Scan# 2434

Delta R.T. -0.018 min

Lab File: BM049835.D

Acq: 07 Apr 2025 12:02

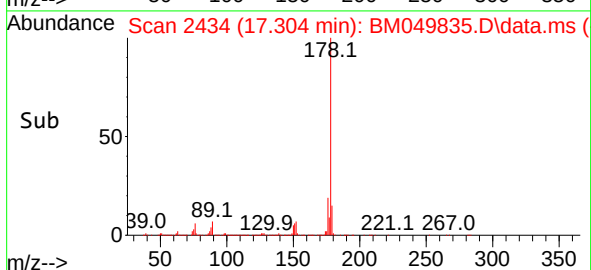
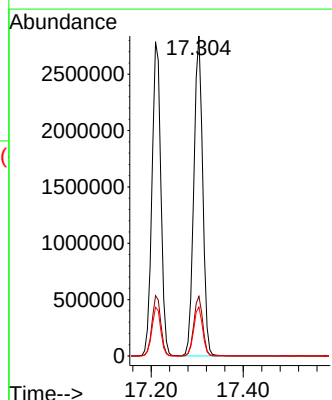
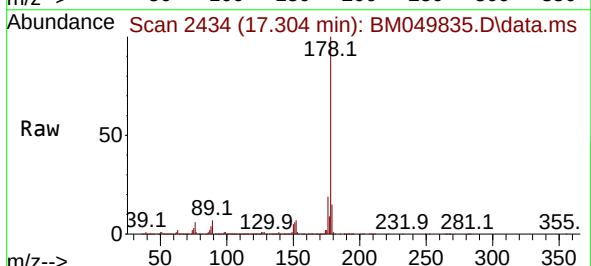
Tgt Ion:178 Resp: 3775589

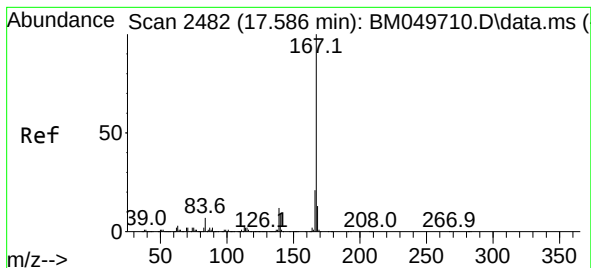
Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

179 15.3 12.4 18.6





#73

Carbazole

Concen: 55.205 ng

RT: 17.568 min Scan# 24

Delta R.T. -0.018 min

Lab File: BM049835.D

Acq: 07 Apr 2025 12:02

Instrument :

BNA_M

ClientSampleId :

PB167457BS

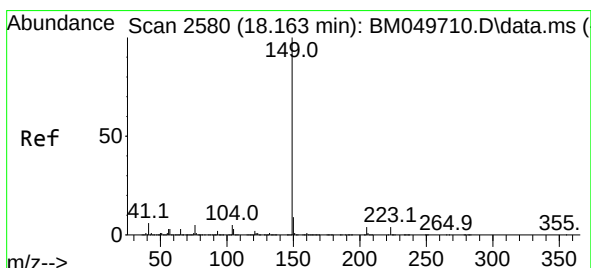
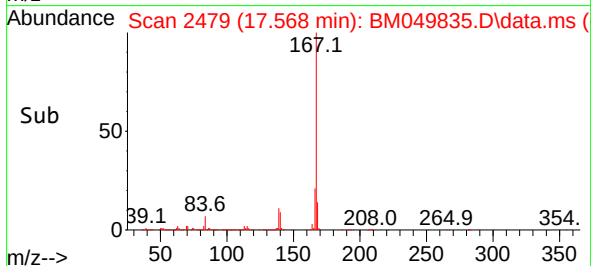
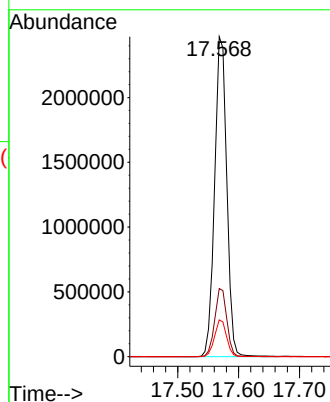
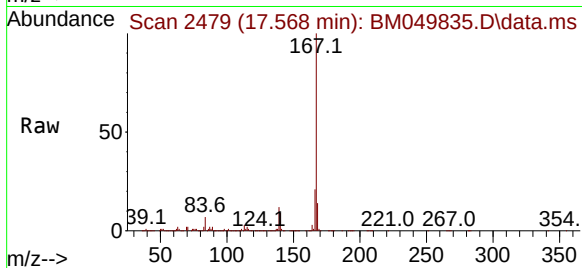
Tgt Ion:167 Resp: 3426771

Ion Ratio Lower Upper

167 100

166 21.3 17.0 25.6

139 11.5 9.4 14.2



#74

Di-n-butylphthalate

Concen: 58.189 ng

RT: 18.139 min Scan# 2576

Delta R.T. -0.024 min

Lab File: BM049835.D

Acq: 07 Apr 2025 12:02

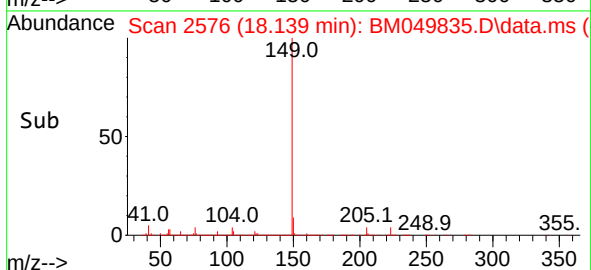
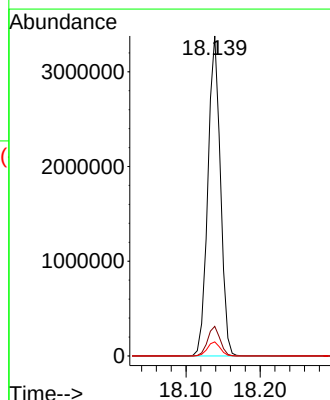
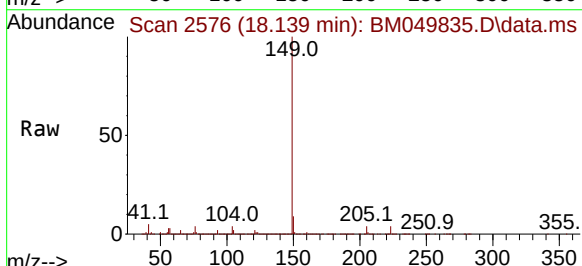
Tgt Ion:149 Resp: 3958932

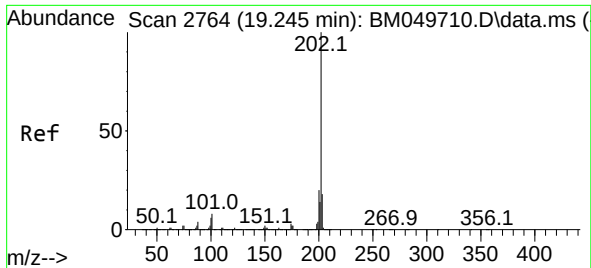
Ion Ratio Lower Upper

149 100

150 9.2 7.2 10.8

104 4.4 3.9 5.9

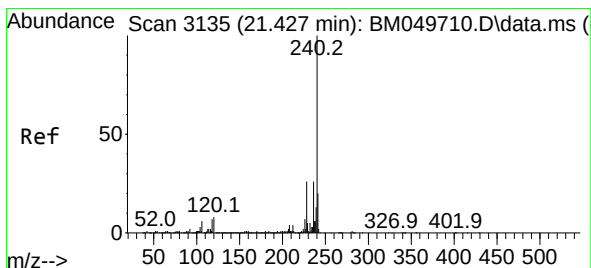
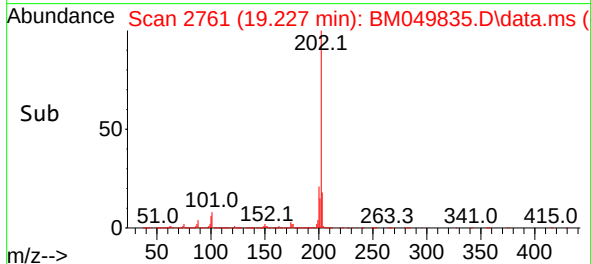
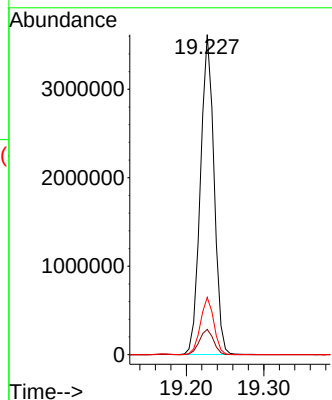
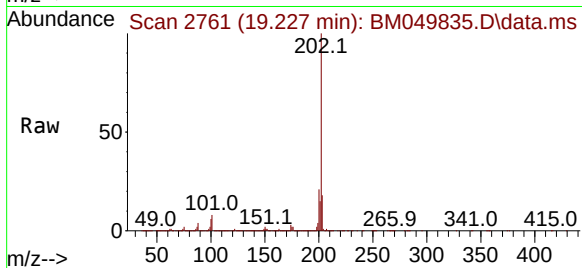




#75
Fluoranthene
Concen: 54.143 ng
RT: 19.227 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

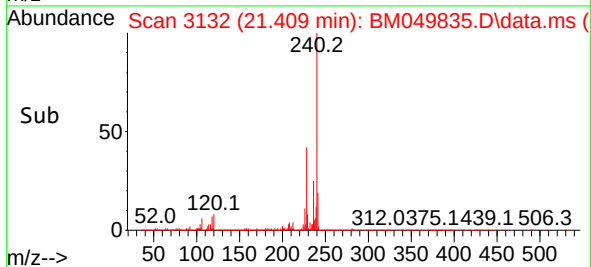
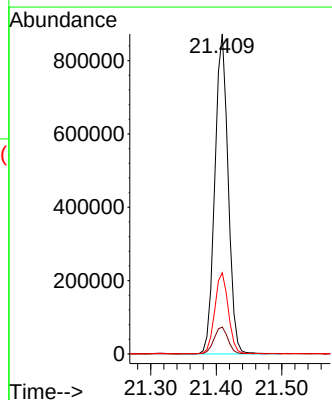
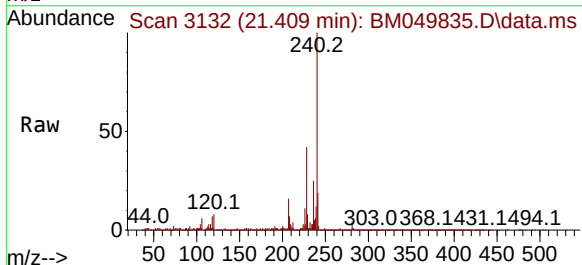
Instrument :
BNA_M
ClientSampleId :
PB167457BS

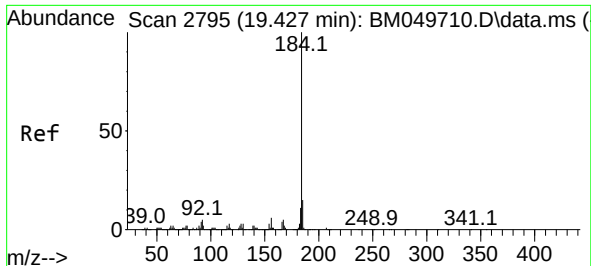
Tgt Ion:202 Resp: 4411665
Ion Ratio Lower Upper
202 100
101 7.9 0.0 27.8
203 17.9 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.409 min Scan# 3132
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:240 Resp: 1227514
Ion Ratio Lower Upper
240 100
120 8.4 6.5 9.7
236 25.4 20.7 31.1

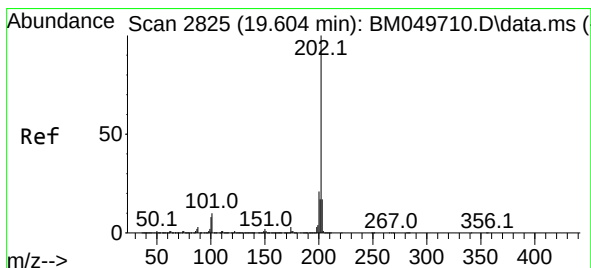
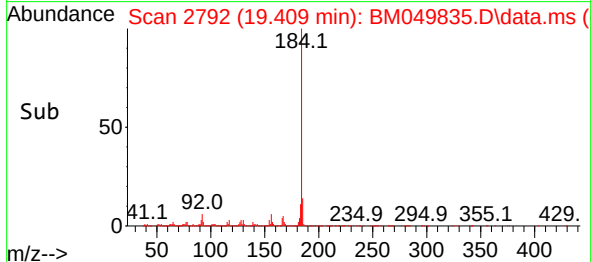
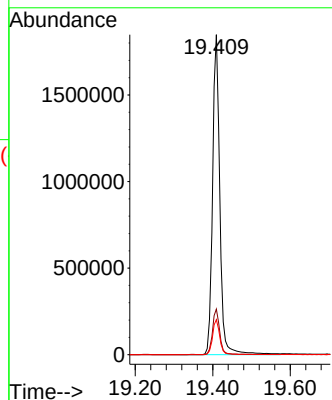
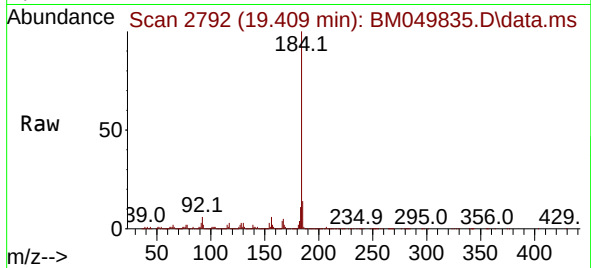




#77
Benzidine
Concen: 163.212 ng
RT: 19.409 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

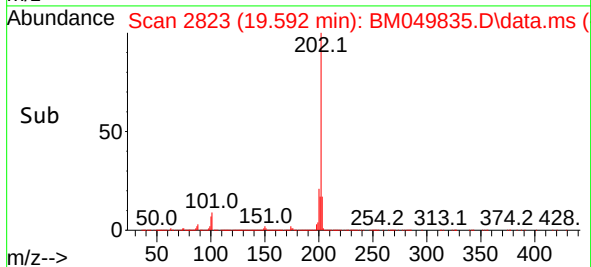
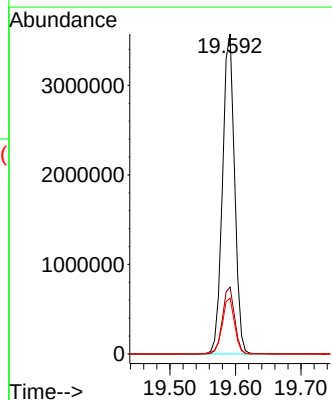
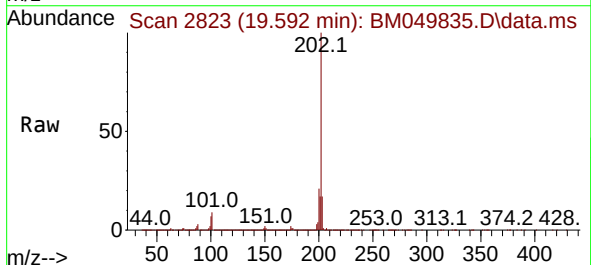
Instrument :
BNA_M
ClientSampleId :
PB167457BS

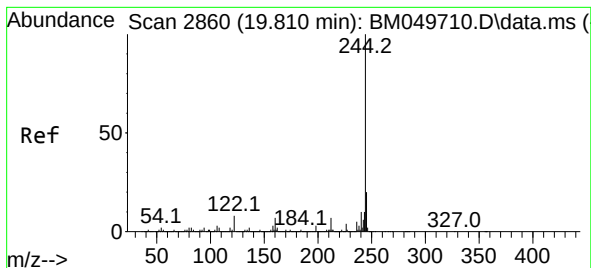
Tgt Ion:184 Resp: 2406945
Ion Ratio Lower Upper
184 100
185 14.2 11.7 17.5
183 11.0 8.8 13.2



#78
Pyrene
Concen: 52.959 ng
RT: 19.592 min Scan# 2823
Delta R.T. -0.012 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:202 Resp: 4541810
Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.4
203 17.4 14.0 21.0





#79

Terphenyl-d14

Concen: 102.259 ng

RT: 19.792 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM049835.D

Acq: 07 Apr 2025 12:02

Instrument :

BNA_M

ClientSampleId :

PB167457BS

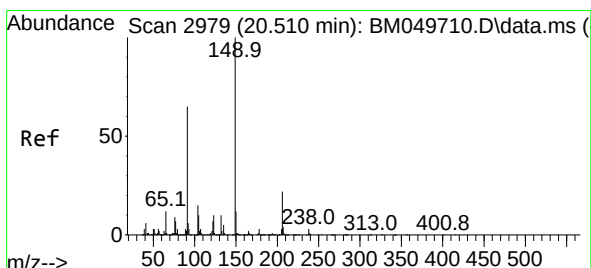
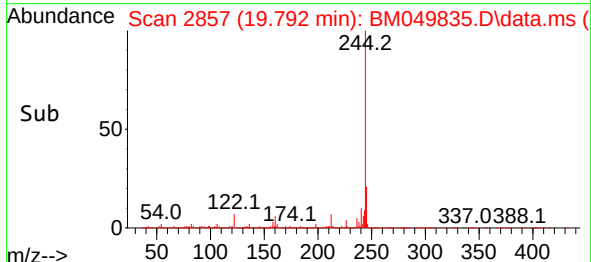
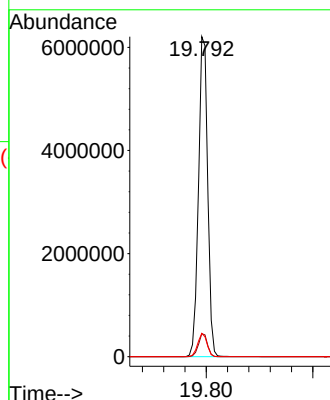
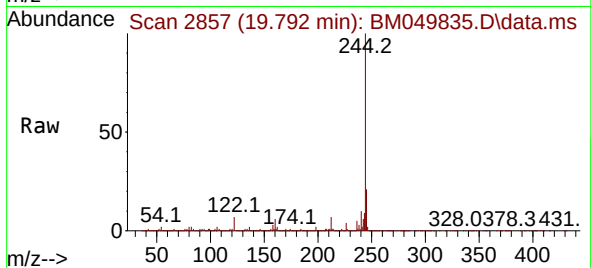
Tgt Ion:244 Resp: 7449014

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

122 7.3 6.0 9.0



#80

Butylbenzylphthalate

Concen: 65.242 ng

RT: 20.492 min Scan# 2976

Delta R.T. -0.018 min

Lab File: BM049835.D

Acq: 07 Apr 2025 12:02

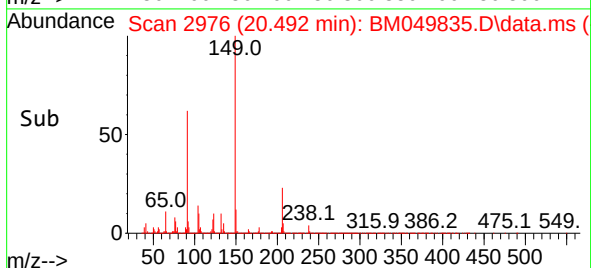
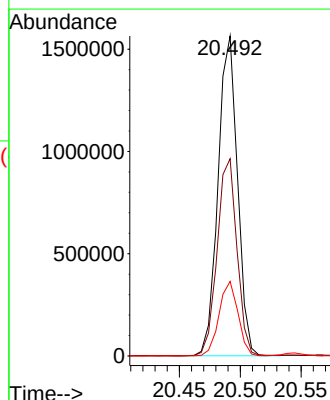
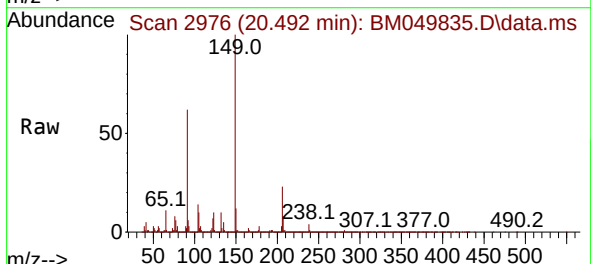
Tgt Ion:149 Resp: 1736401

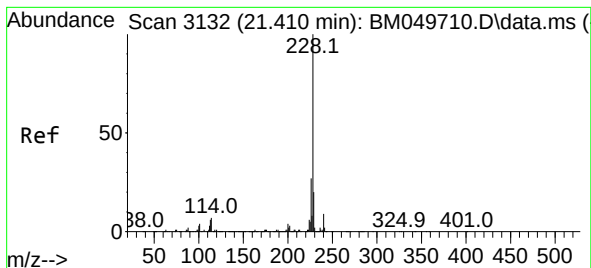
Ion Ratio Lower Upper

149 100

91 61.7 52.2 78.4

206 23.3 17.6 26.4





#81

Benzo(a)anthracene

Concen: 54.053 ng

RT: 21.392 min Scan# 3115

Delta R.T. -0.018 min

Lab File: BM049835.D

Acq: 07 Apr 2025 12:02

Instrument :

BNA_M

ClientSampleId :

PB167457BS

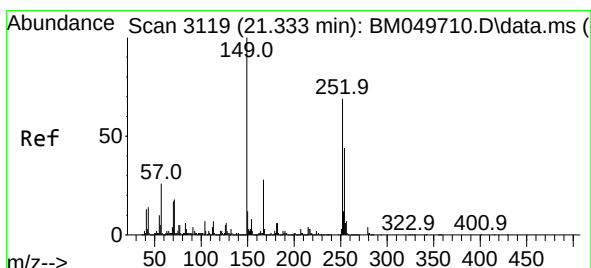
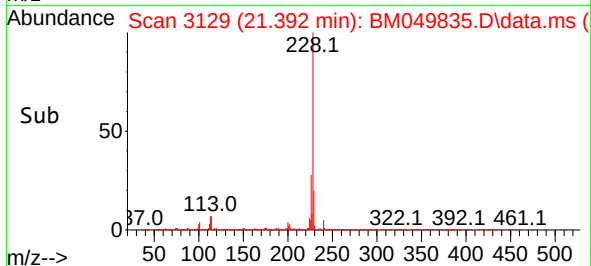
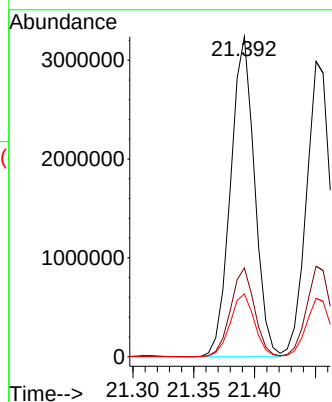
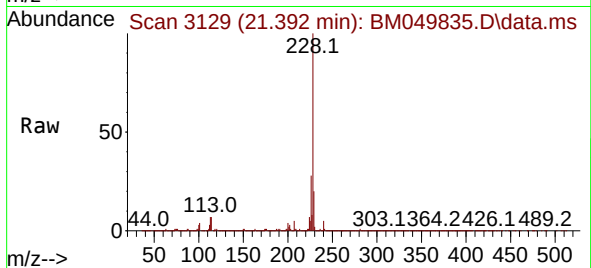
Tgt Ion:228 Resp: 4431789

Ion Ratio Lower Upper

228 100

226 27.7 22.0 33.0

229 19.6 15.8 23.8



#82

3,3'-Dichlorobenzidine

Concen: 36.957 ng

RT: 21.309 min Scan# 3115

Delta R.T. -0.024 min

Lab File: BM049835.D

Acq: 07 Apr 2025 12:02

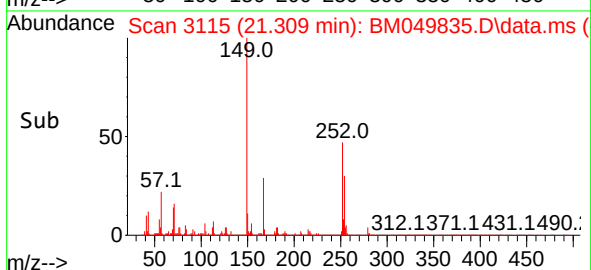
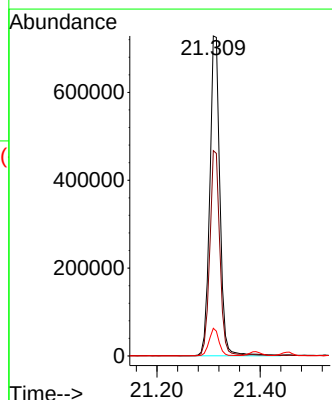
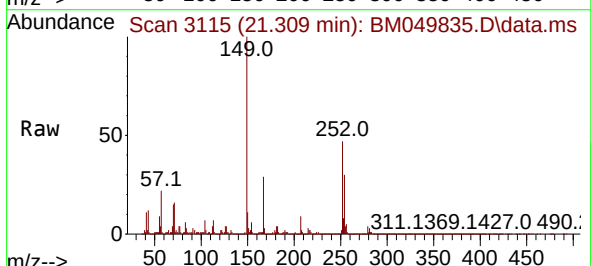
Tgt Ion:252 Resp: 986523

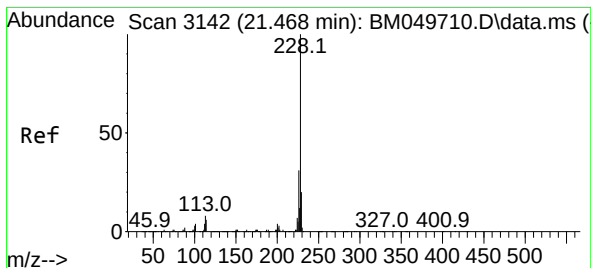
Ion Ratio Lower Upper

252 100

254 64.2 51.0 76.4

126 8.7 6.3 9.5





#83

Chrysene

Concen: 53.079 ng

RT: 21.450 min Scan# 3116

Delta R.T. -0.018 min

Lab File: BM049835.D

Acq: 07 Apr 2025 12:02

Instrument :

BNA_M

ClientSampleId :

PB167457BS

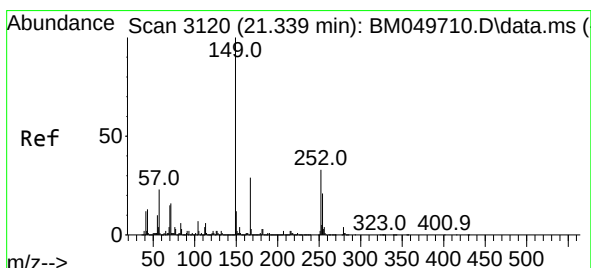
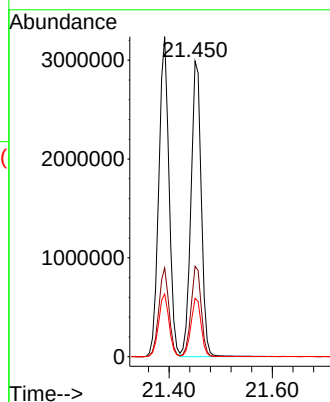
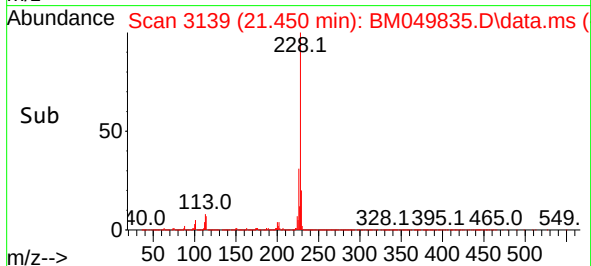
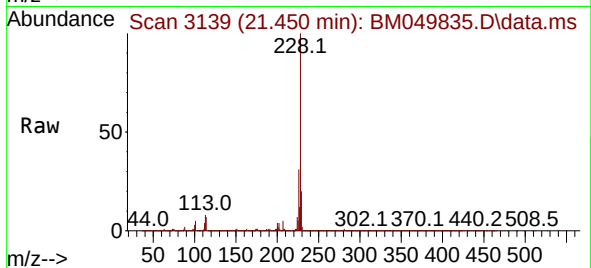
Tgt Ion:228 Resp: 4125400

Ion Ratio Lower Upper

228 100

226 30.6 24.5 36.7

229 19.8 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 61.209 ng

RT: 21.315 min Scan# 3116

Delta R.T. -0.024 min

Lab File: BM049835.D

Acq: 07 Apr 2025 12:02

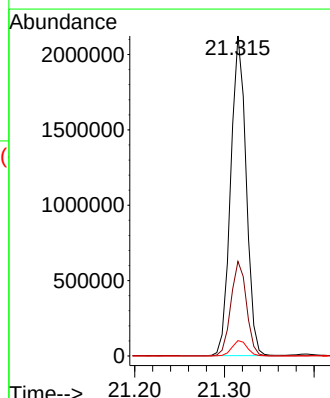
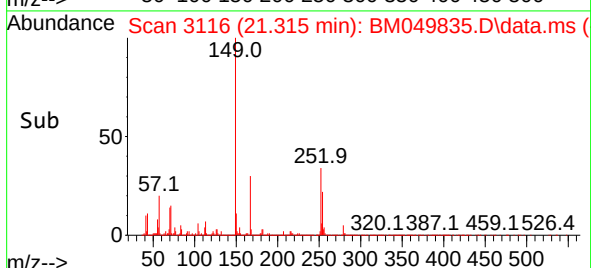
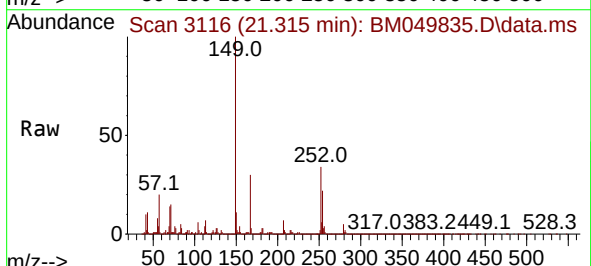
Tgt Ion:149 Resp: 2538850

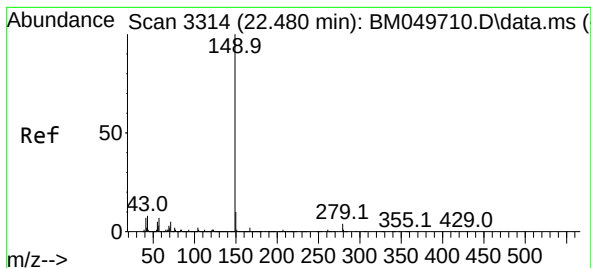
Ion Ratio Lower Upper

149 100

167 29.6 22.9 34.3

279 4.8 3.5 5.3

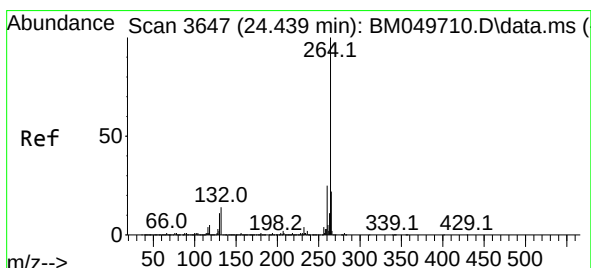
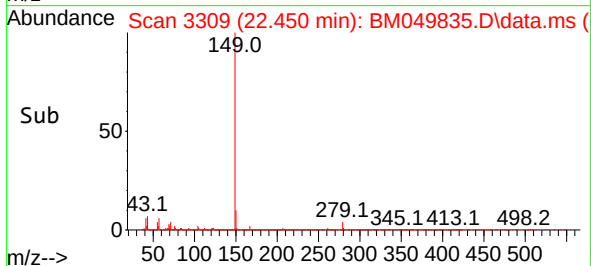
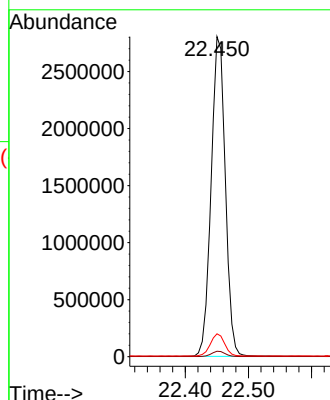
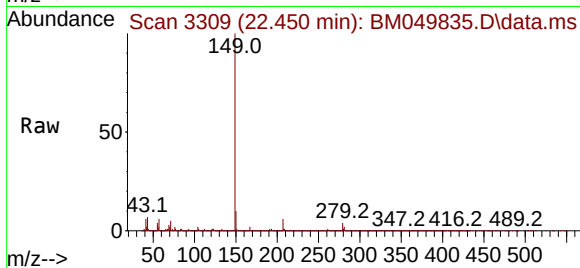




#85
Di-n-octyl phthalate
Concen: 67.839 ng
RT: 22.450 min Scan# 31
Delta R.T. -0.030 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

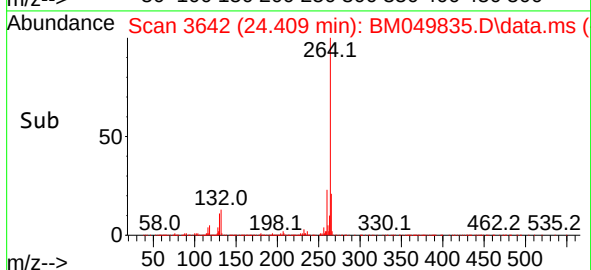
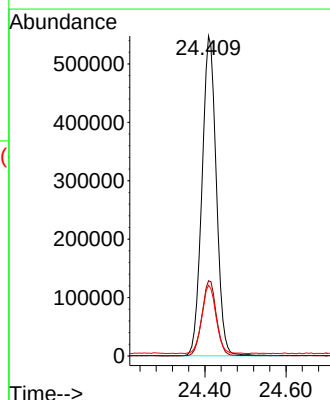
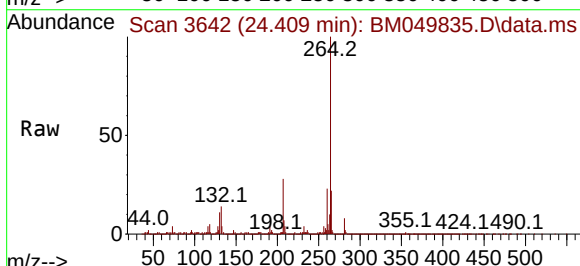
Instrument :
BNA_M
ClientSampleId :
PB167457BS

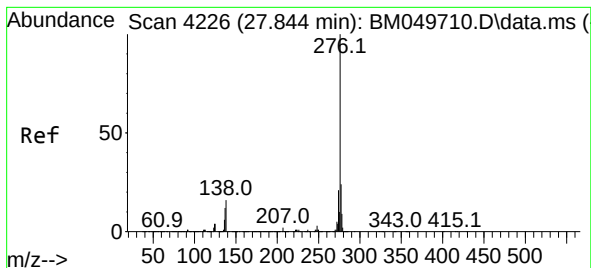
Tgt Ion:149 Resp: 4373488
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 7.1 6.8 10.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.409 min Scan# 3642
Delta R.T. -0.030 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:264 Resp: 1340439
Ion Ratio Lower Upper
264 100
260 23.5 19.6 29.4
265 22.1 18.2 27.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 56.659 ng

RT: 27.803 min Scan# 4219

Delta R.T. -0.042 min

Lab File: BM049835.D

Acq: 07 Apr 2025 12:02

Instrument :

BNA_M

ClientSampleId :

PB167457BS

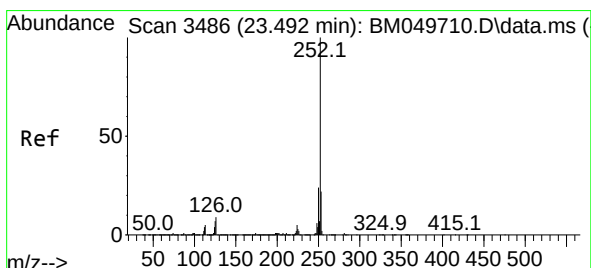
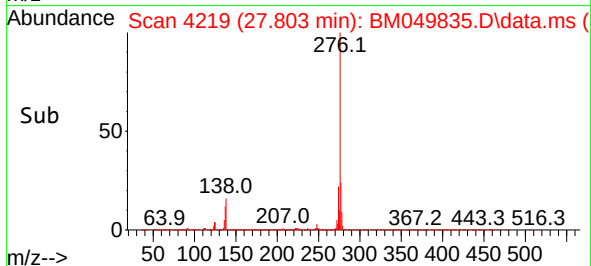
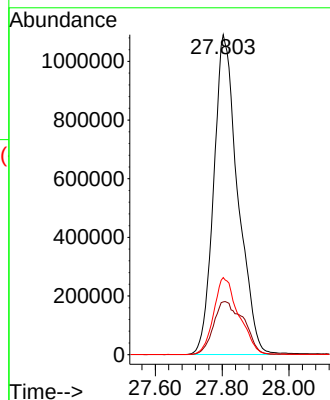
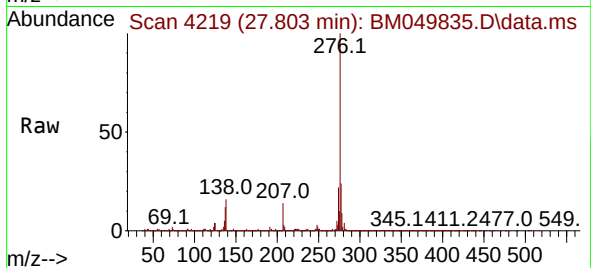
Tgt Ion:276 Resp: 5466399

Ion Ratio Lower Upper

276 100

138 20.6 16.3 24.5

277 25.1 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 48.521 ng

RT: 23.468 min Scan# 3482

Delta R.T. -0.024 min

Lab File: BM049835.D

Acq: 07 Apr 2025 12:02

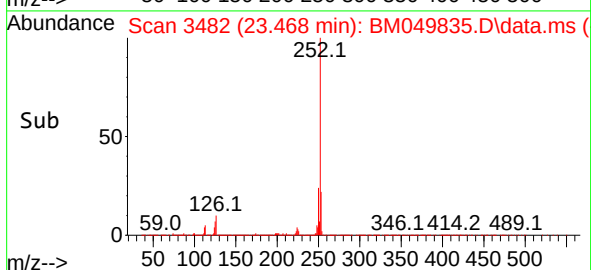
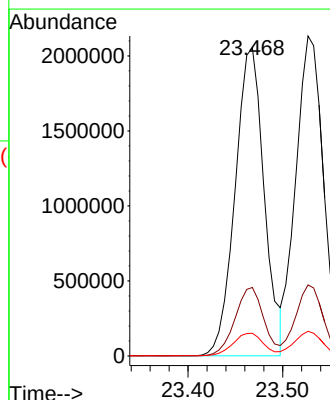
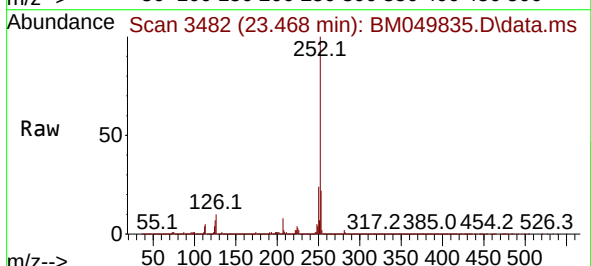
Tgt Ion:252 Resp: 4380628

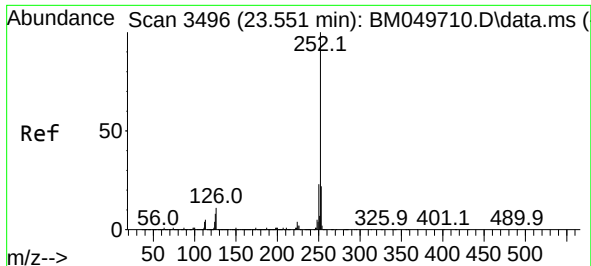
Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.0

125 7.4 5.9 8.9

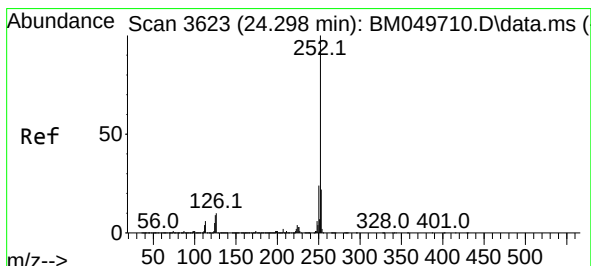
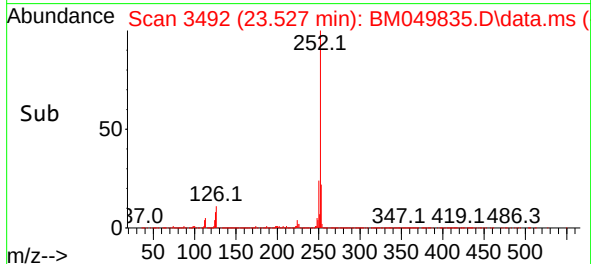
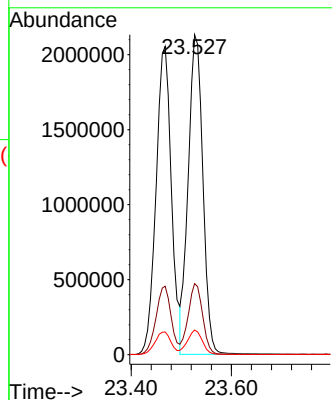
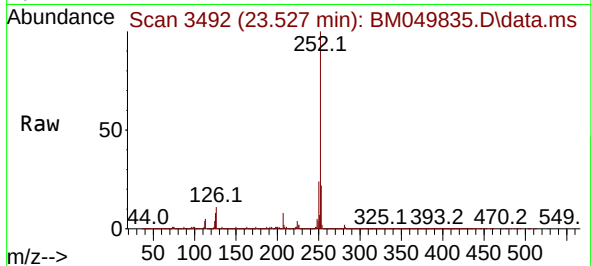




#89
Benzo(k)fluoranthene
Concen: 48.829 ng
RT: 23.527 min Scan# 34
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

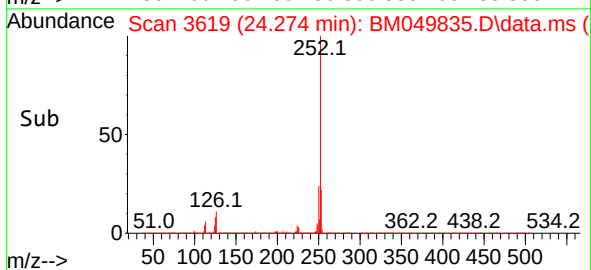
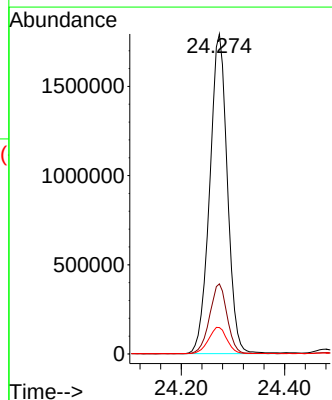
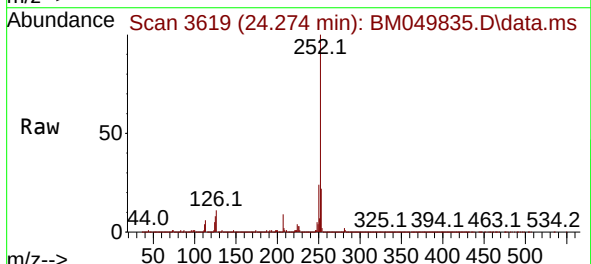
Instrument :
BNA_M
ClientSampleId :
PB167457BS

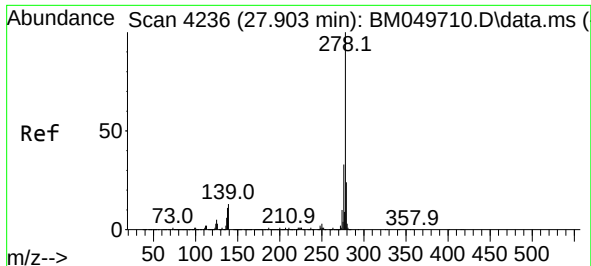
Tgt Ion:252 Resp: 4337874
Ion Ratio Lower Upper
252 100
253 22.2 17.3 25.9
125 7.7 6.2 9.2



#90
Benzo(a)pyrene
Concen: 55.970 ng
RT: 24.274 min Scan# 3619
Delta R.T. -0.024 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:252 Resp: 4244481
Ion Ratio Lower Upper
252 100
253 21.9 17.2 25.8
125 8.3 7.0 10.6

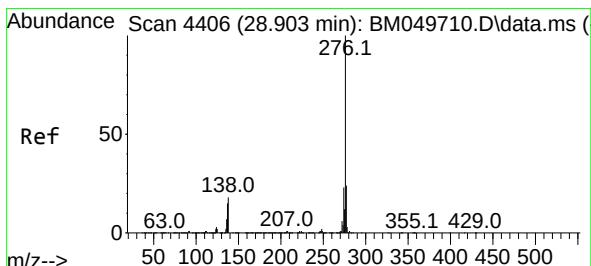
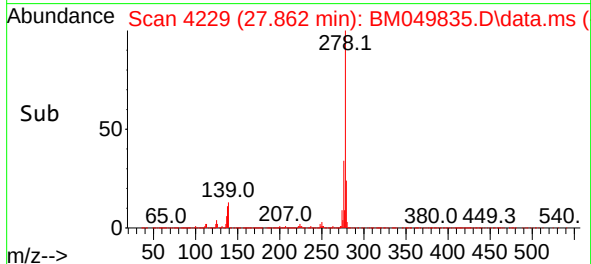
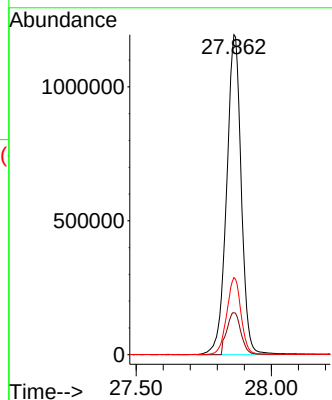
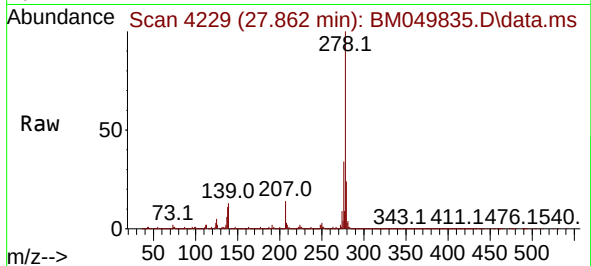




#91
Dibenzo(a,h)anthracene
Concen: 55.869 ng
RT: 27.862 min Scan# 41
Delta R.T. -0.042 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Instrument :
BNA_M
ClientSampleId :
PB167457BS

Tgt Ion:278 Resp: 4490850
Ion Ratio Lower Upper
278 100
139 13.1 10.1 15.1
279 24.1 19.1 28.7



#92
Benzo(g,h,i)perylene
Concen: 54.030 ng
RT: 28.868 min Scan# 4400
Delta R.T. -0.036 min
Lab File: BM049835.D
Acq: 07 Apr 2025 12:02

Tgt Ion:276 Resp: 4374612
Ion Ratio Lower Upper
276 100
277 24.1 18.8 28.2
138 18.0 14.0 21.0

