

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061125\
 Data File : BM050282.D
 Acq On : 11 Jun 2025 20:02
 Operator : RC/JU
 Sample : Q2262-02MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ARS20-0032MSD

Quant Time: Jun 12 02:55:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 09 11:54:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	426249	20.000	ng	0.00
21) Naphthalene-d8	10.551	136	1656086	20.000	ng	0.00
39) Acenaphthene-d10	14.398	164	962021	20.000	ng	0.00
64) Phenanthrene-d10	17.133	188	1732540	20.000	ng	0.00
76) Chrysene-d12	21.362	240	1630999	20.000	ng	-0.01
86) Perylene-d12	24.333	264	1766581	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	3209903	125.621	ng	0.00
7) Phenol-d6	6.934	99	3767175	111.994	ng	0.00
23) Nitrobenzene-d5	8.916	82	2802069	87.997	ng	0.00
42) 2,4,6-Tribromophenol	15.880	330	1602285	146.430	ng	0.00
45) 2-Fluorobiphenyl	13.022	172	5985627	84.236	ng	0.00
79) Terphenyl-d14	19.762	244	7612920	88.453	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.293	88	408855	36.503	ng	98
3) Pyridine	3.681	79	1098257	37.863	ng	99
4) n-Nitrosodimethylamine	3.581	42	267991	44.680	ng	92
6) Aniline	7.092	93	1195452	26.884	ng	100
8) 2-Chlorophenol	7.334	128	1347040	47.927	ng	99
9) Benzaldehyde	6.904	77	491794	22.996	ng	99
10) Phenol	6.963	94	1442613	40.534	ng	99
11) bis(2-Chloroethyl)ether	7.192	93	1366721	47.743	ng	99
12) 1,3-Dichlorobenzene	7.657	146	1392160	44.306	ng	100
13) 1,4-Dichlorobenzene	7.798	146	1441709	44.099	ng	100
14) 1,2-Dichlorobenzene	8.116	146	1396061	44.795	ng	99
15) Benzyl Alcohol	8.004	79	1145606	47.751	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.298	45	949191	47.731	ng	99
17) 2-Methylphenol	8.204	107	1095501	46.651	ng	98
18) Hexachloroethane	8.845	117	533338	45.048	ng	99
19) n-Nitroso-di-n-propyla...	8.575	70	981685	47.691	ng	99
20) 3+4-Methylphenols	8.534	107	1441125	45.869	ng	99
22) Acetophenone	8.581	105	2020483	48.835	ng	99
24) Nitrobenzene	8.957	77	1455364	50.254	ng	100
25) Isophorone	9.486	82	2744229	49.931	ng	100
26) 2-Nitrophenol	9.669	139	657319	52.581	ng	99
27) 2,4-Dimethylphenol	9.733	122	1262564	49.154	ng	99
28) bis(2-Chloroethoxy)met...	9.969	93	1812743	50.488	ng	99
29) 2,4-Dichlorophenol	10.198	162	1242582	52.277	ng	98
30) 1,2,4-Trichlorobenzene	10.416	180	1298922	49.108	ng	99
31) Naphthalene	10.604	128	4184727	48.874	ng	100
32) Benzoic acid	9.851	122	613369	37.998	ng	98
33) 4-Chloroaniline	10.710	127	444716	12.183	ng	99
34) Hexachlorobutadiene	10.898	225	767819	48.803	ng	99
35) Caprolactam	11.486	113	292596	38.828	ng	96
36) 4-Chloro-3-methylphenol	11.833	107	1271539	50.133	ng	100
37) 2-Methylnaphthalene	12.216	142	2602795	50.389	ng	99
38) 1-Methylnaphthalene	12.433	142	2720090	49.615	ng	100
40) 1,2,4,5-Tetrachloroben...	12.586	216	1410949	50.791	ng	99
41) Hexachlorocyclopentadiene	12.574	237	1654385	98.064	ng	98
43) 2,4,6-Trichlorophenol	12.822	196	962110	52.666	ng	98

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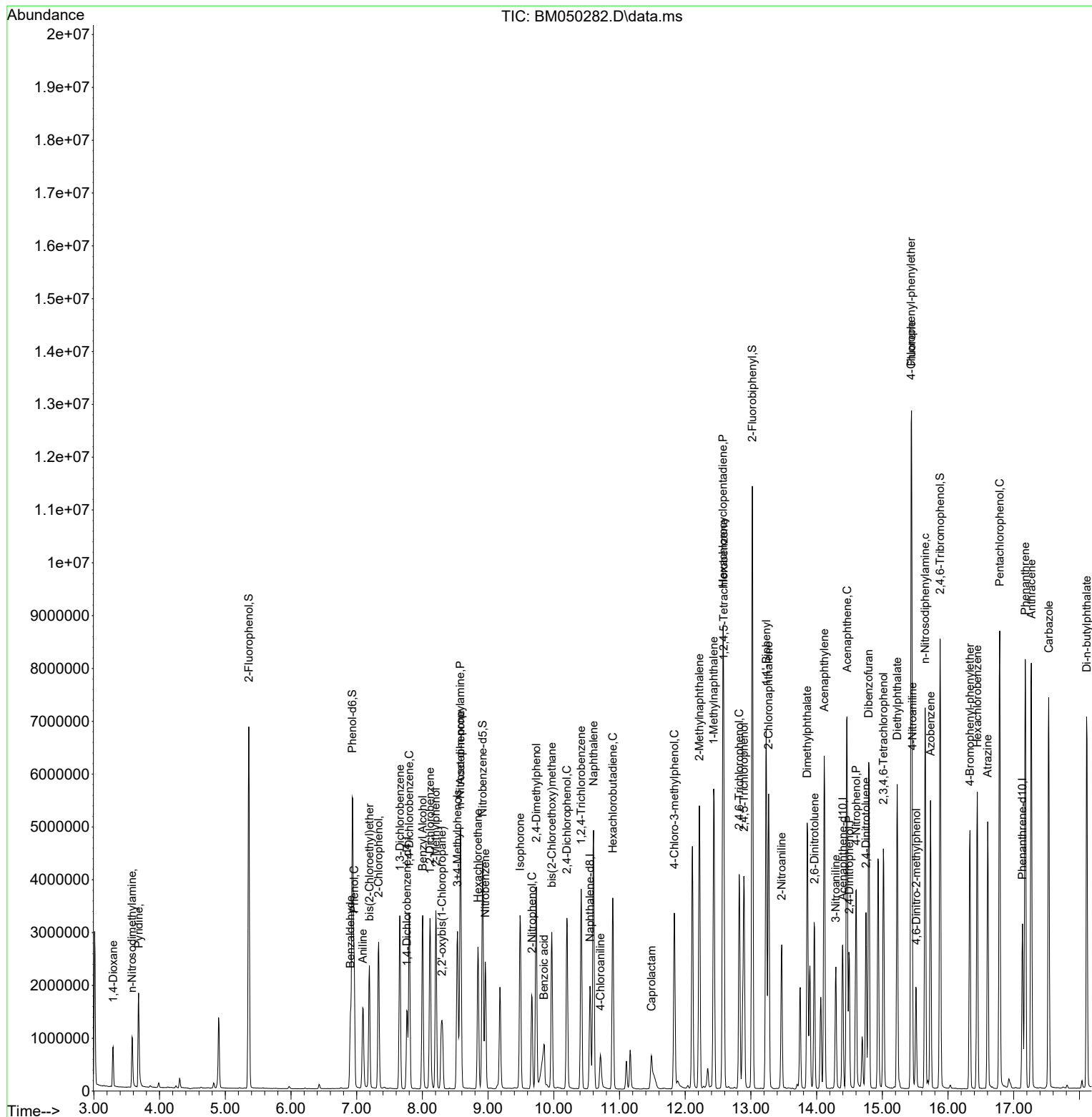
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.892	196	1064817	53.089	ng	98
46) 1,1'-Biphenyl	13.233	154	3610425	50.120	ng	99
47) 2-Chloronaphthalene	13.269	162	2783712	49.707	ng	100
48) 2-Nitroaniline	13.469	65	705117	57.214	ng	100
49) Acenaphthylene	14.116	152	4534055	50.055	ng	100
50) Dimethylphthalate	13.857	163	3348601	51.468	ng	100
51) 2,6-Dinitrotoluene	13.969	165	721633	55.000	ng	99
52) Acenaphthene	14.463	154	2719208	47.995	ng	99
53) 3-Nitroaniline	14.292	138	629839	43.072	ng	99
54) 2,4-Dinitrophenol	14.498	184	589758	75.764	ng	91
55) Dibenzofuran	14.792	168	4177490	50.399	ng	99
56) 4-Nitrophenol	14.604	139	1186660	95.343	ng	98
57) 2,4-Dinitrotoluene	14.751	165	989545	57.173	ng	100
58) Fluorene	15.445	166	3195447	50.333	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.015	232	902223	51.991	ng	93
60) Diethylphthalate	15.227	149	3341515	51.763	ng	98
61) 4-Chlorophenyl-phenyle...	15.439	204	1578907	51.459	ng	98
62) 4-Nitroaniline	15.457	138	739103	53.927	ng	98
63) Azobenzene	15.733	77	3275968	50.772	ng	99
65) 4,6-Dinitro-2-methylph...	15.515	198	453381	47.912	ng	98
66) n-Nitrosodiphenylamine	15.651	169	2867339	52.672	ng	99
67) 4-Bromophenyl-phenylether	16.333	248	999973	54.124	ng	97
68) Hexachlorobenzene	16.445	284	1156890	53.594	ng	96
69) Atrazine	16.604	200	964181	55.587	ng	99
70) Pentachlorophenol	16.786	266	1514137	107.889	ng	99
71) Phenanthrene	17.174	178	5005231	50.571	ng	99
72) Anthracene	17.268	178	5062533	51.130	ng	100
73) Carbazole	17.533	167	4587470	50.857	ng	99
74) Di-n-butylphthalate	18.109	149	5492575	55.962	ng	100
75) Fluoranthene	19.192	202	5412522	51.856	ng	99
77) Benzidine	19.374	184	2347379	51.180	ng	100
78) Pyrene	19.550	202	5644253	51.344	ng	99
80) Butylbenzylphthalate	20.462	149	2197120	59.918	ng	98
81) Benzo(a)anthracene	21.344	228	5337943	51.707	ng	100
82) 3,3'-Dichlorobenzidine	21.268	252	1247674	39.632	ng	99
83) Chrysene	21.409	228	5090634	51.840	ng	99
84) Bis(2-ethylhexyl)phtha...	21.292	149	3363446	59.549	ng	100
85) Di-n-octyl phthalate	22.421	149	5420515	64.674	ng	100
87) Indeno(1,2,3-cd)pyrene	27.691	276	6686247	58.782	ng	100
88) Benzo(b)fluoranthene	23.403	252	5441573	52.980	ng	99
89) Benzo(k)fluoranthene	23.462	252	5481028	52.274	ng	99
90) Benzo(a)pyrene	24.197	252	5225589	54.112	ng	99
91) Dibenzo(a,h)anthracene	27.756	278	5439587	58.916	ng	99
92) Benzo(g,h,i)perylene	28.738	276	5451723	58.996	ng	99

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

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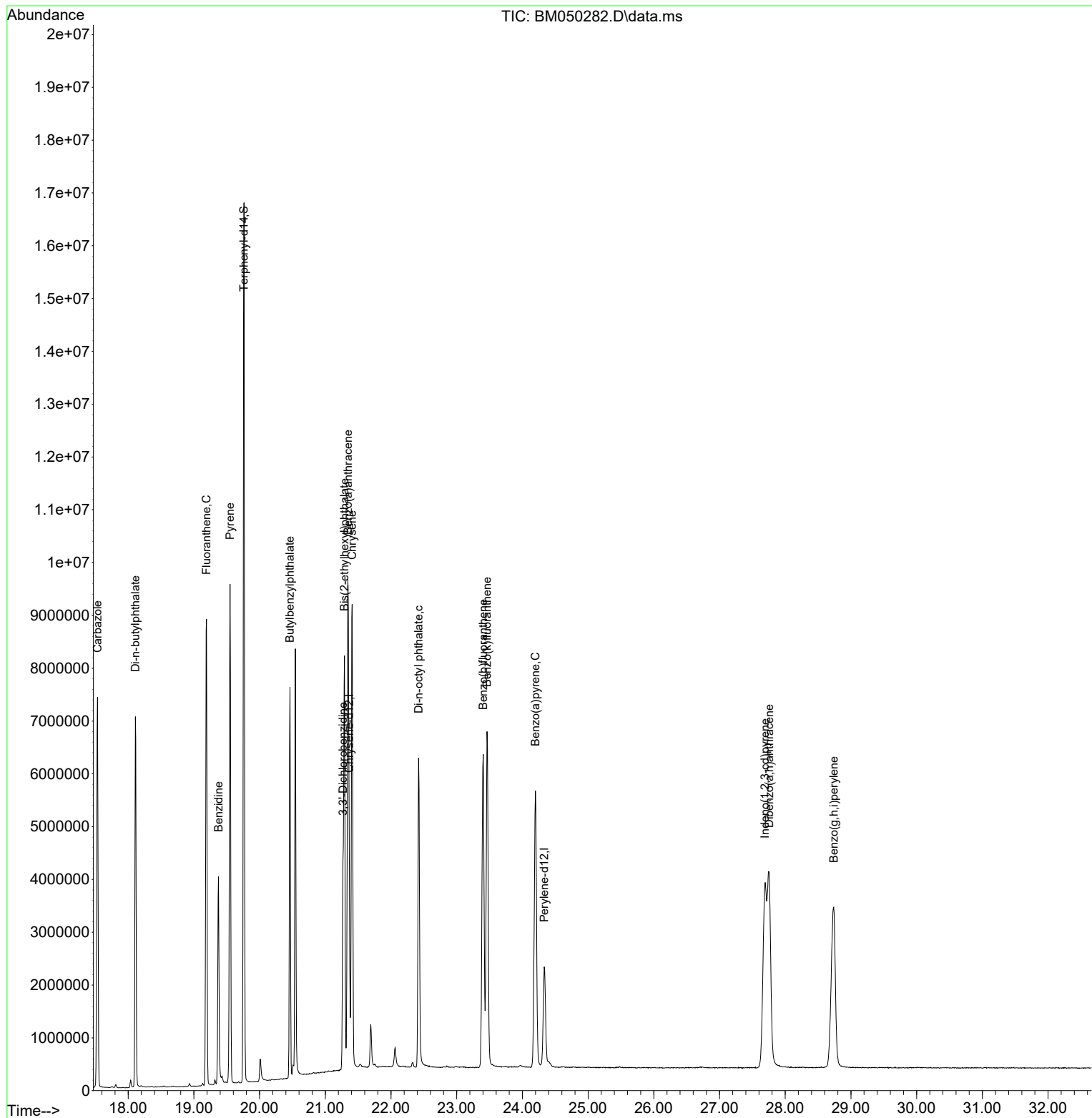
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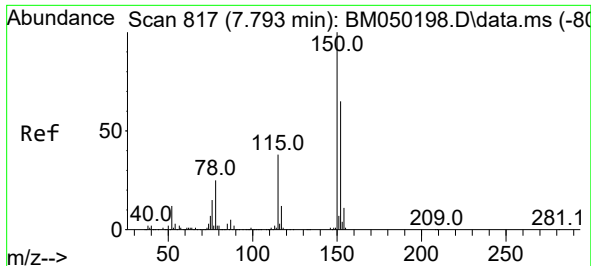


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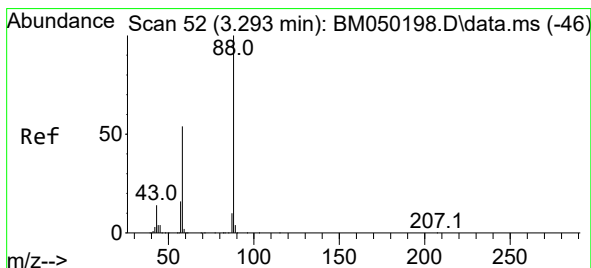
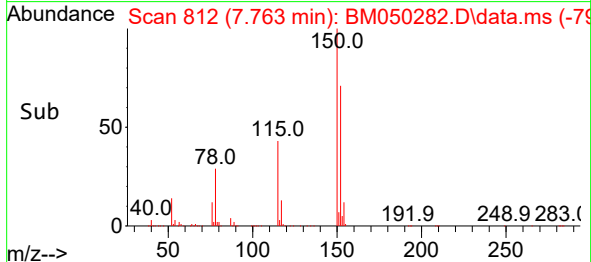
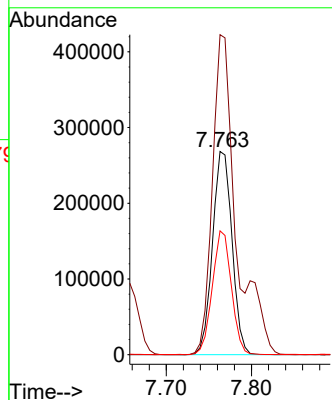
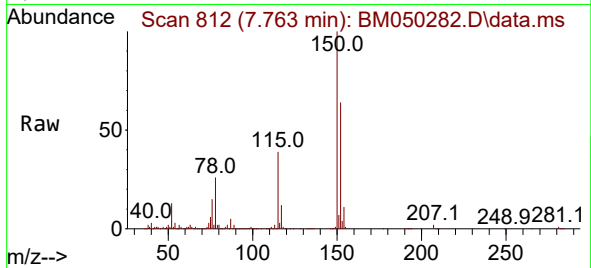




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

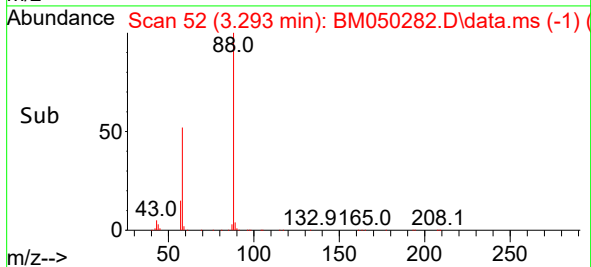
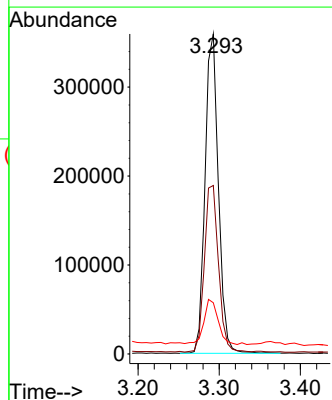
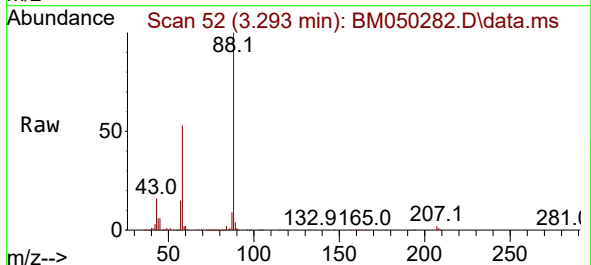
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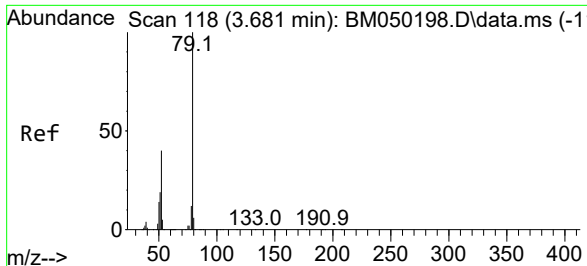
Tgt Ion:152 Resp: 426249
Ion Ratio Lower Upper
152 100
150 157.5 122.2 183.4
115 60.9 46.3 69.5



#2
1,4-Dioxane
Concen: 36.503 ng
RT: 3.293 min Scan# 52
Delta R.T. 0.012 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

Tgt Ion: 88 Resp: 408855
Ion Ratio Lower Upper
88 100
58 55.1 42.9 64.3
43 15.0 11.0 16.6

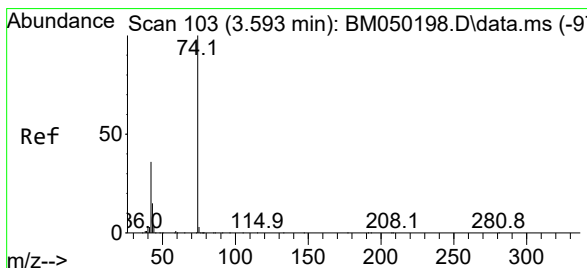
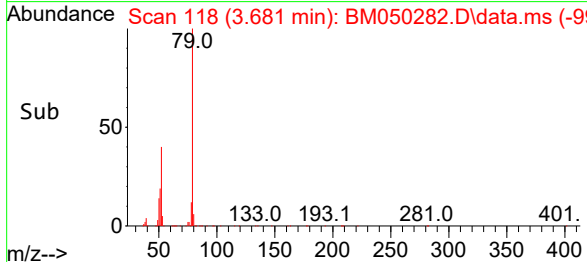
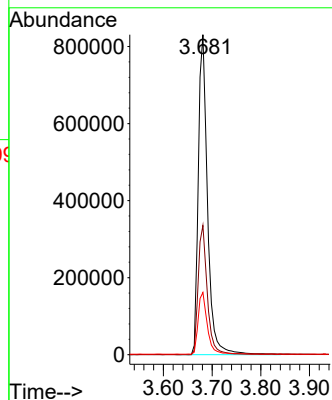
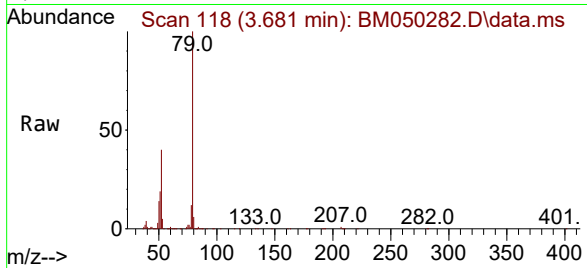




#3
Pyridine
Concen: 37.863 ng
RT: 3.681 min Scan# 118
Delta R.T. 0.012 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

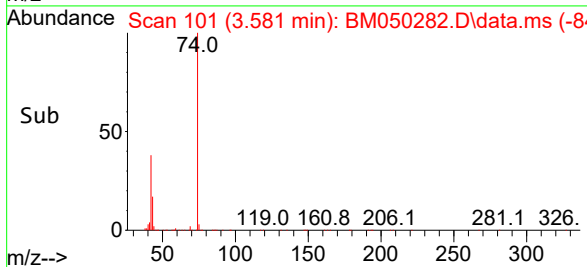
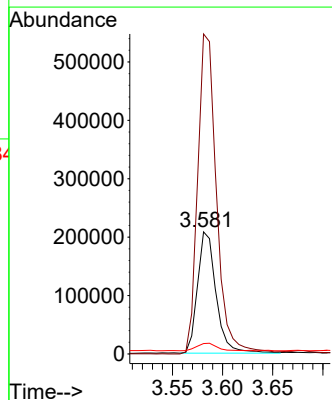
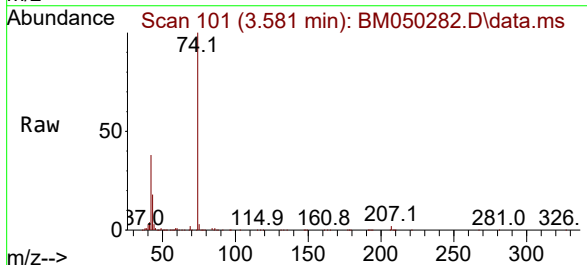
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ClientSampleId :
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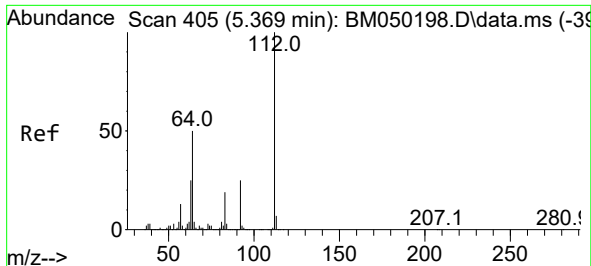
Tgt Ion: 79 Resp: 1098257
Ion Ratio Lower Upper
79 100
52 40.4 32.1 48.1
51 19.5 15.4 23.0



#4
n-Nitrosodimethylamine
Concen: 44.680 ng
RT: 3.581 min Scan# 101
Delta R.T. 0.000 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

Tgt Ion: 42 Resp: 267991
Ion Ratio Lower Upper
42 100
74 262.2 222.0 333.0
44 8.5 7.0 10.6

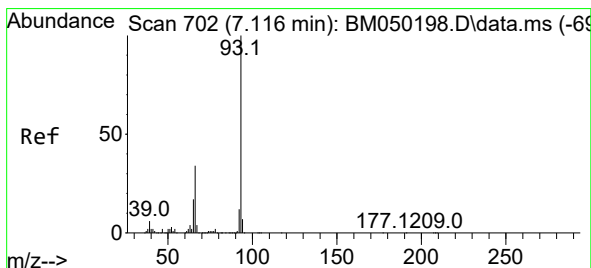
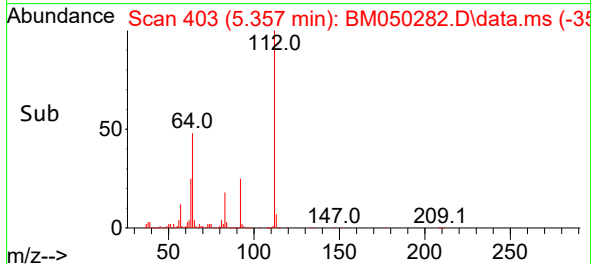
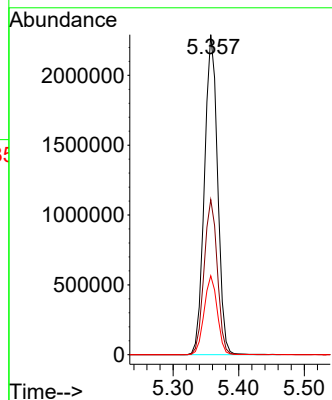
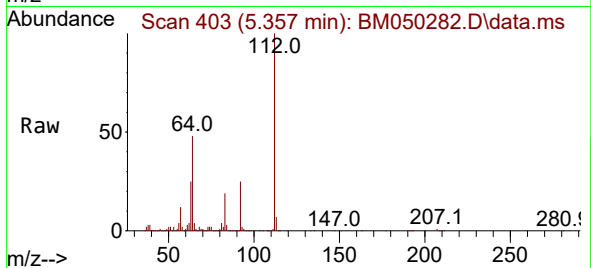




#5
2-Fluorophenol
Concen: 125.621 ng
RT: 5.357 min Scan# 405
Delta R.T. -0.000 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

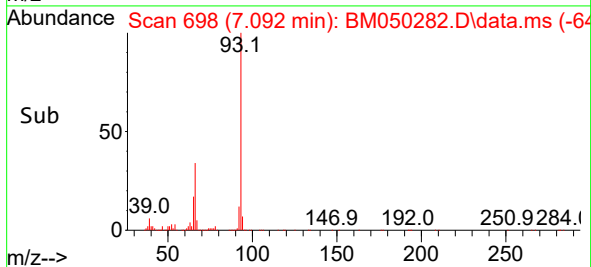
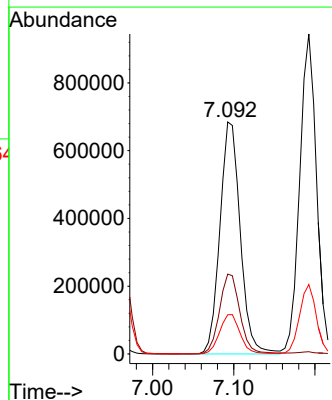
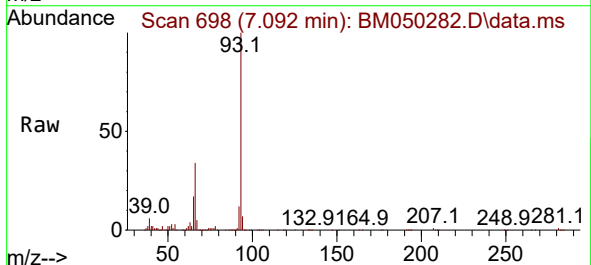
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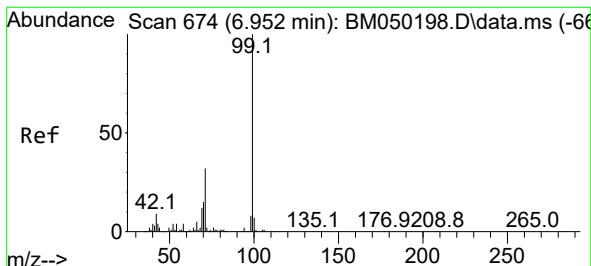
Tgt Ion:112 Resp: 3209903
Ion Ratio Lower Upper
112 100
64 48.5 39.8 59.6
63 24.6 19.8 29.8



#6
Aniline
Concen: 26.884 ng
RT: 7.092 min Scan# 698
Delta R.T. -0.000 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

Tgt Ion: 93 Resp: 1195452
Ion Ratio Lower Upper
93 100
66 34.4 27.4 41.2
65 16.9 13.6 20.4





#7

Phenol-d6

Concen: 111.994 ng

RT: 6.934 min Scan# 61

Delta R.T. -0.000 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

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BNA_M

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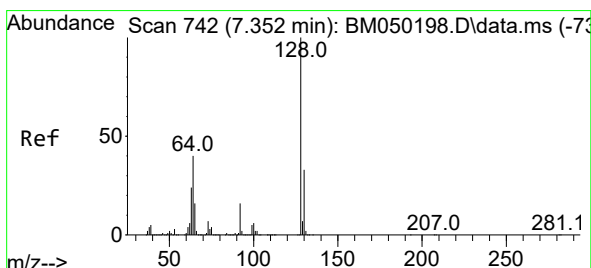
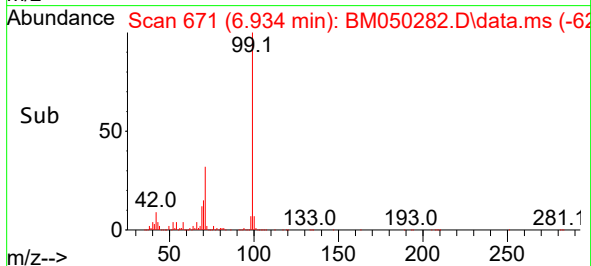
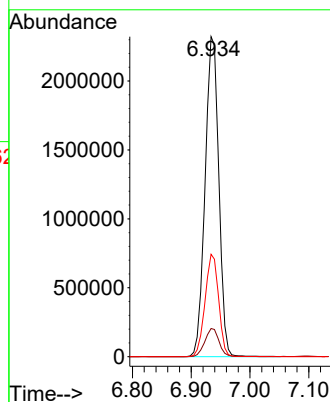
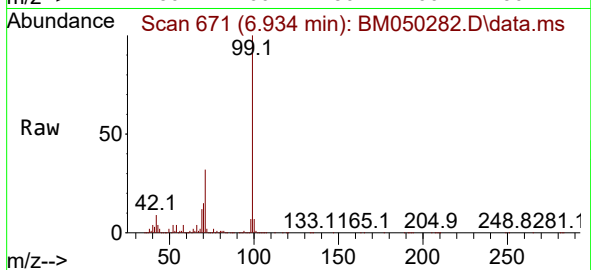
Tgt Ion: 99 Resp: 3767175

Ion Ratio Lower Upper

99 100

42 8.8 6.9 10.3

71 32.0 25.3 37.9



#8

2-Chlorophenol

Concen: 47.927 ng

RT: 7.334 min Scan# 739

Delta R.T. 0.000 min

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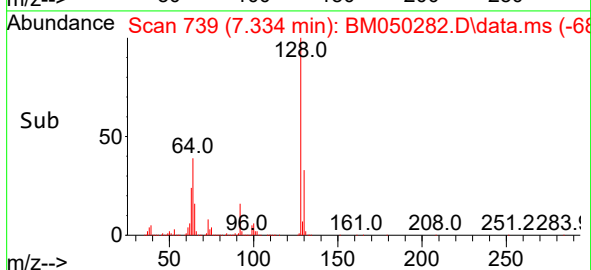
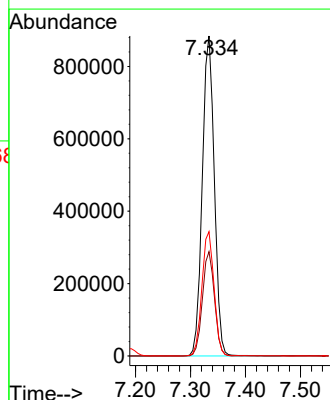
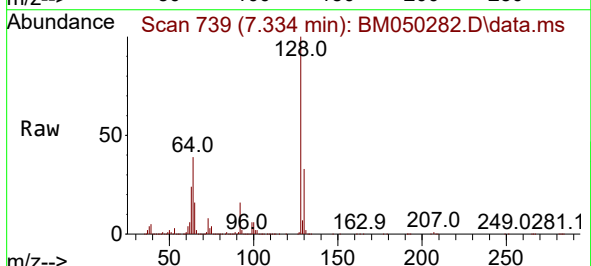
Tgt Ion:128 Resp: 1347040

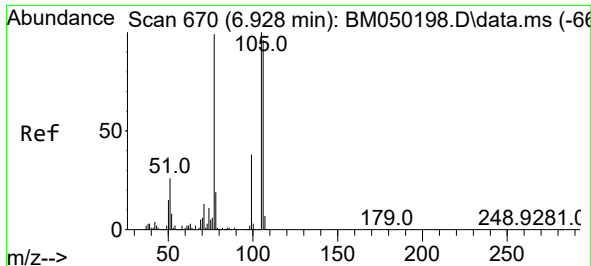
Ion Ratio Lower Upper

128 100

130 32.6 12.6 52.6

64 38.8 19.8 59.8

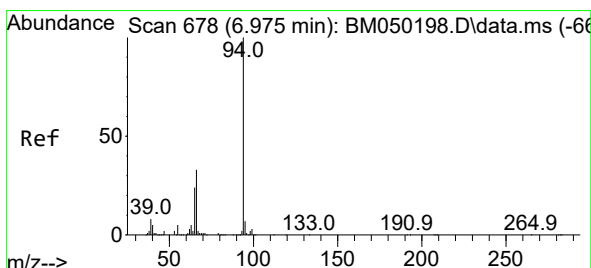
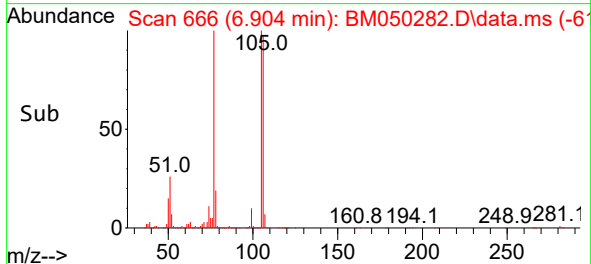
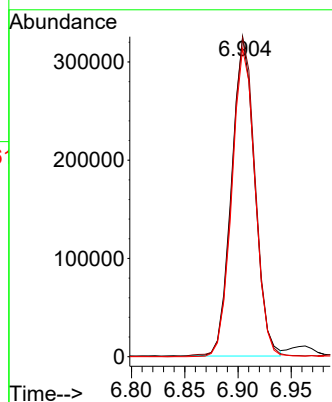
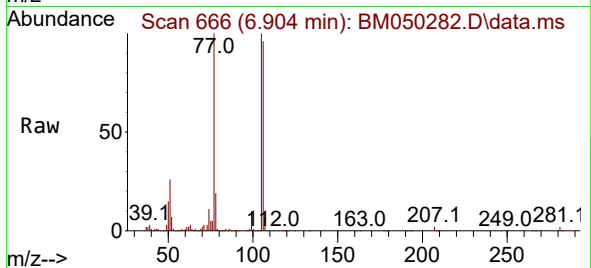




#9
Benzaldehyde
Concen: 22.996 ng
RT: 6.904 min Scan# 60
Delta R.T. -0.006 min
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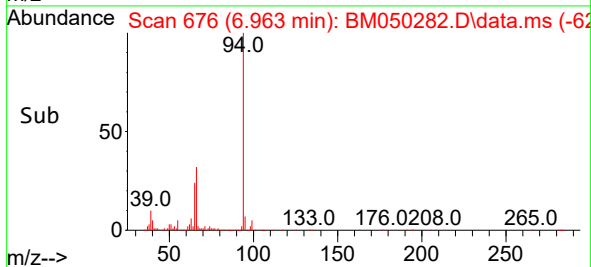
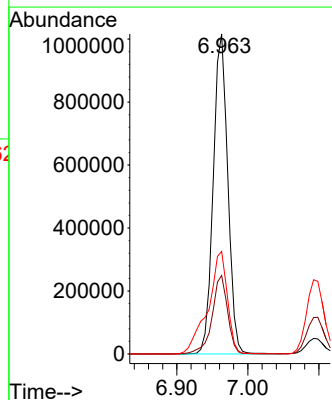
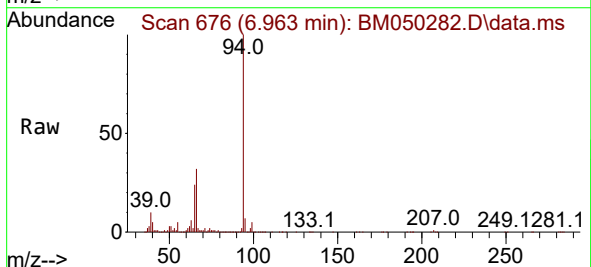
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MSD

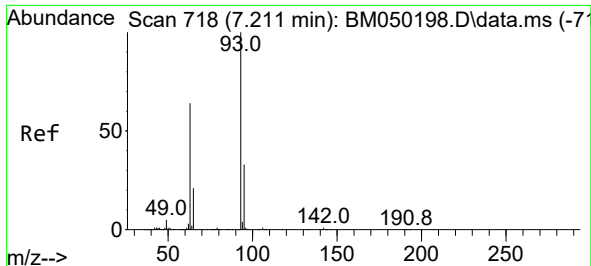
Tgt Ion: 77 Resp: 491794
Ion Ratio Lower Upper
77 100
105 99.7 80.9 120.9
106 96.3 77.1 117.1



#10
Phenol
Concen: 40.534 ng
RT: 6.963 min Scan# 676
Delta R.T. 0.006 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

Tgt Ion: 94 Resp: 1442613
Ion Ratio Lower Upper
94 100
65 24.5 4.3 44.3
66 32.1 12.9 52.9

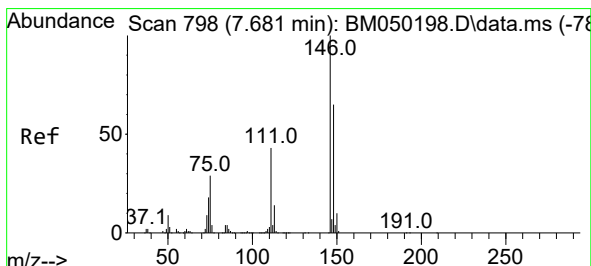
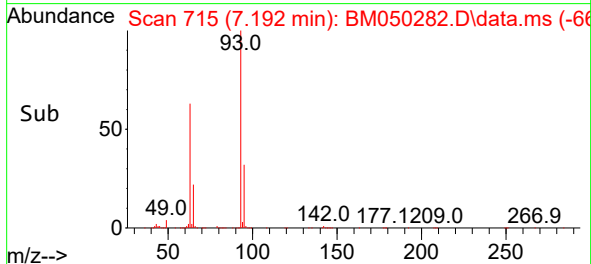
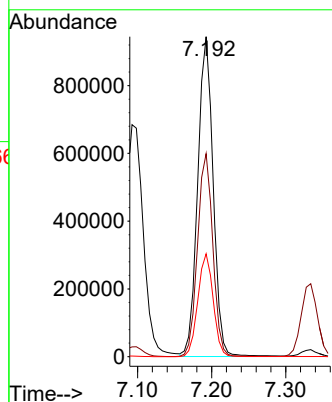
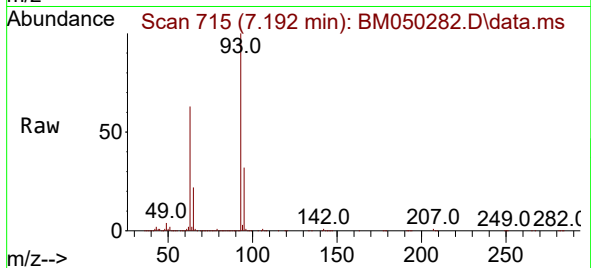




#11
bis(2-Chloroethyl)ether
Concen: 47.743 ng
RT: 7.192 min Scan# 718
Delta R.T. 0.000 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

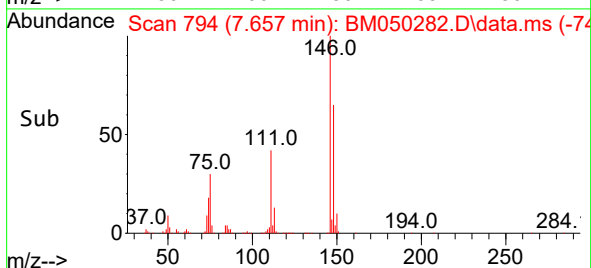
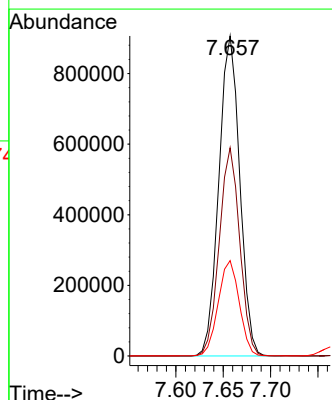
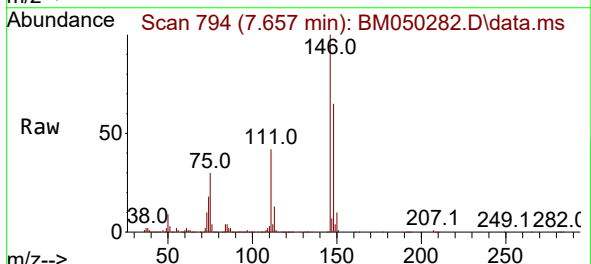
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MSD

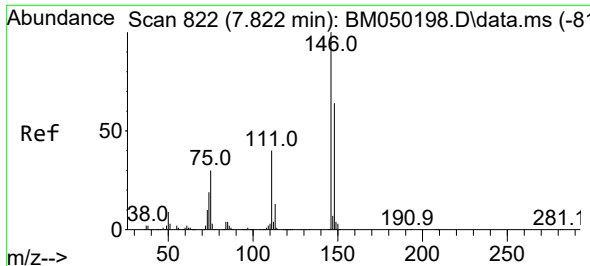
Tgt Ion: 93 Resp: 1366721
Ion Ratio Lower Upper
93 100
63 63.5 43.9 83.9
95 32.2 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 44.306 ng
RT: 7.657 min Scan# 794
Delta R.T. -0.000 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

Tgt Ion: 146 Resp: 1392160
Ion Ratio Lower Upper
146 100
148 65.1 51.9 77.9
75 29.8 23.4 35.0

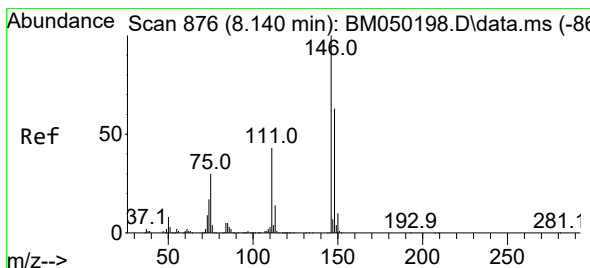
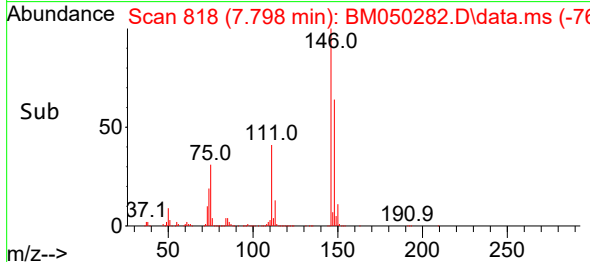
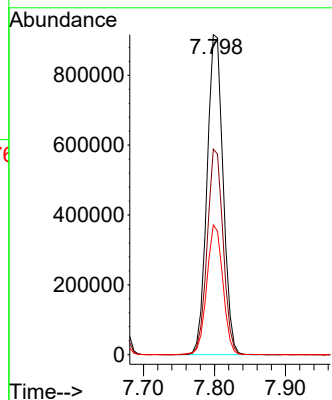
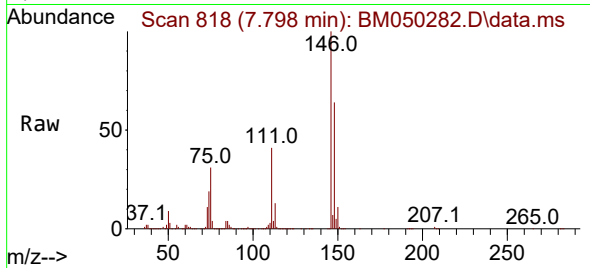




#13
1,4-Dichlorobenzene
Concen: 44.099 ng
RT: 7.798 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

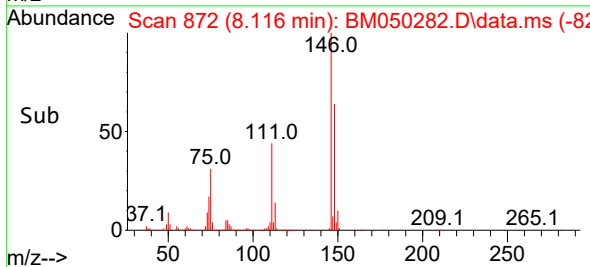
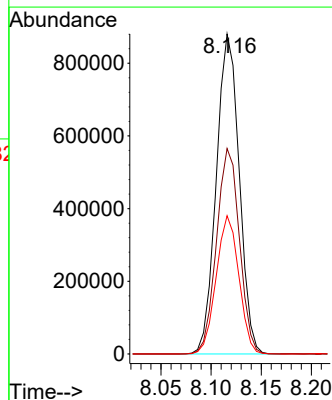
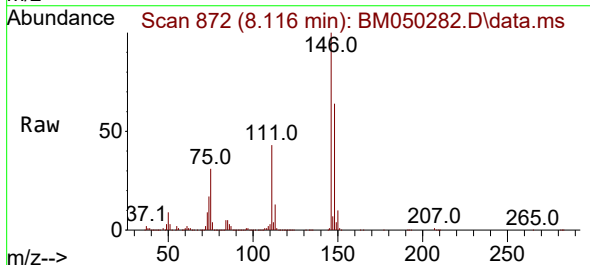
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MSD

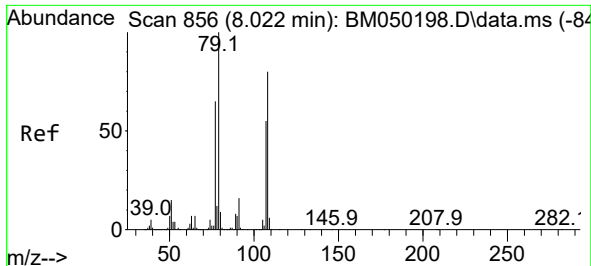
Tgt Ion:146 Resp: 1441709
Ion Ratio Lower Upper
146 100
148 64.2 51.4 77.0
111 40.5 32.3 48.5



#14
1,2-Dichlorobenzene
Concen: 44.795 ng
RT: 8.116 min Scan# 872
Delta R.T. -0.006 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

Tgt Ion:146 Resp: 1396061
Ion Ratio Lower Upper
146 100
148 64.2 50.4 75.6
111 43.2 34.3 51.5

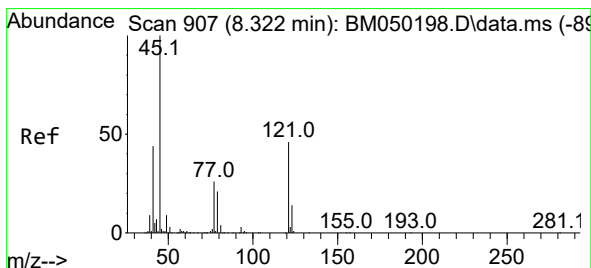
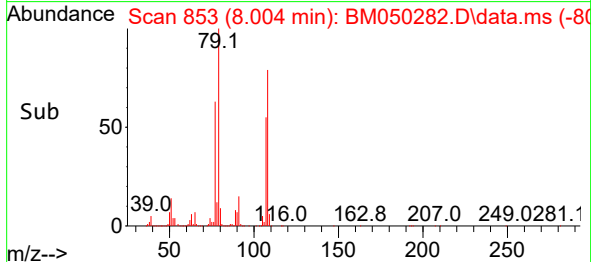
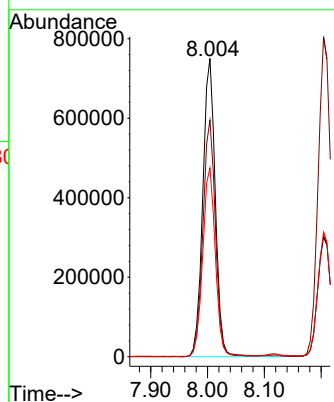
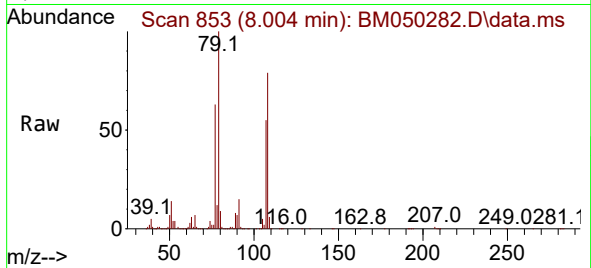




#15
Benzyl Alcohol
Concen: 47.751 ng
RT: 8.004 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

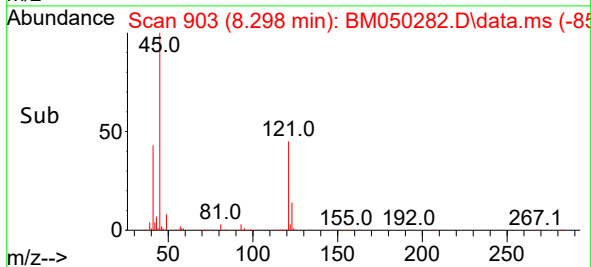
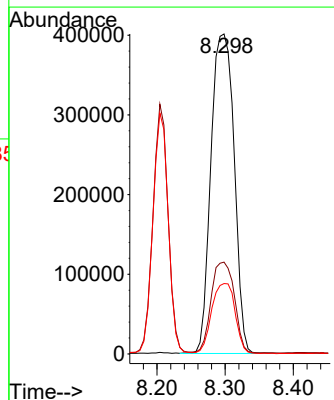
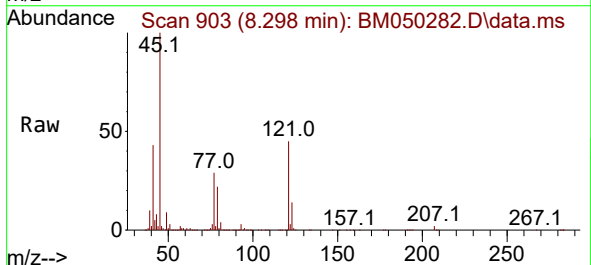
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MSD

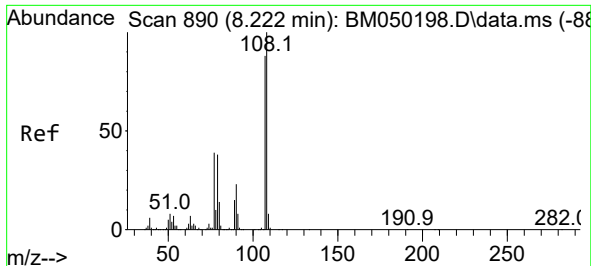
Tgt Ion: 79 Resp: 1145606
Ion Ratio Lower Upper
79 100
108 79.3 64.0 96.0
77 63.3 52.2 78.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.731 ng
RT: 8.298 min Scan# 903
Delta R.T. 0.006 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

Tgt Ion: 45 Resp: 949191
Ion Ratio Lower Upper
45 100
77 28.7 8.7 48.7
79 22.0 2.7 42.7

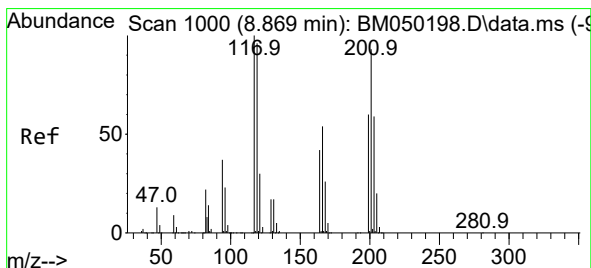
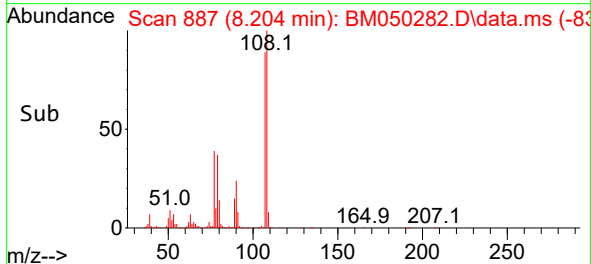
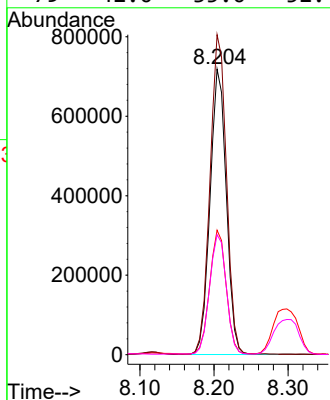
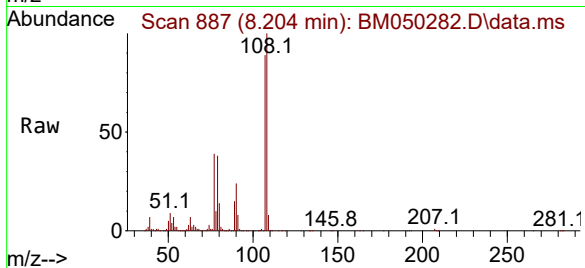




#17
2-Methylphenol
Concen: 46.651 ng
RT: 8.204 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

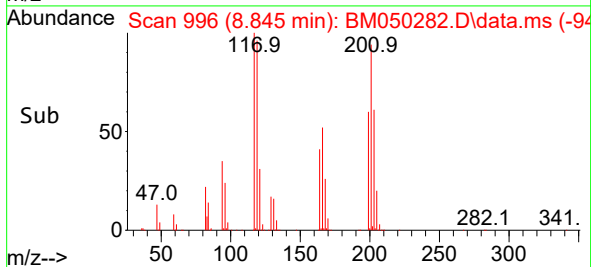
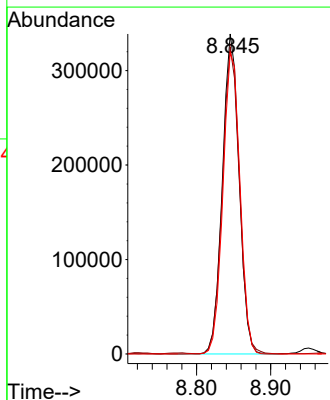
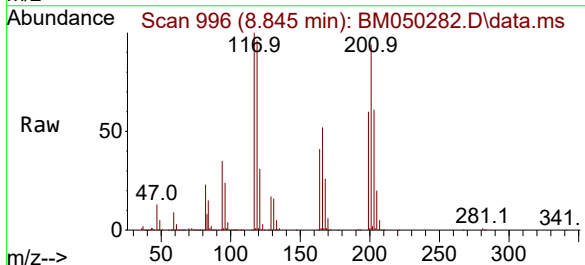
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MSD

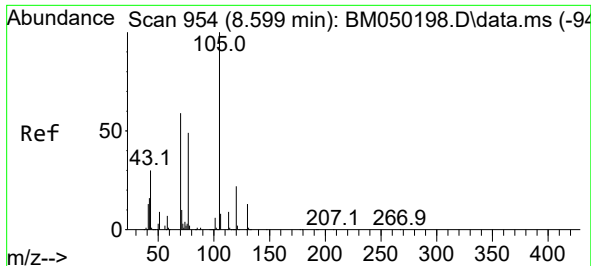
Tgt Ion:107 Resp: 1095501
Ion Ratio Lower Upper
107 100
108 112.0 90.8 136.2
77 43.6 35.7 53.5
79 42.0 35.0 52.4



#18
Hexachloroethane
Concen: 45.048 ng
RT: 8.845 min Scan# 996
Delta R.T. -0.006 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

Tgt Ion:117 Resp: 533338
Ion Ratio Lower Upper
117 100
119 95.8 77.0 115.6
201 94.2 74.6 111.8

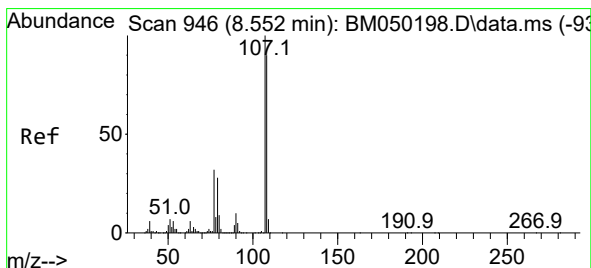
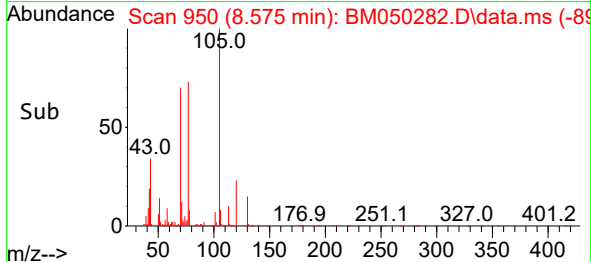
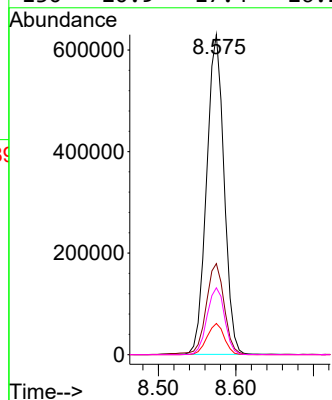
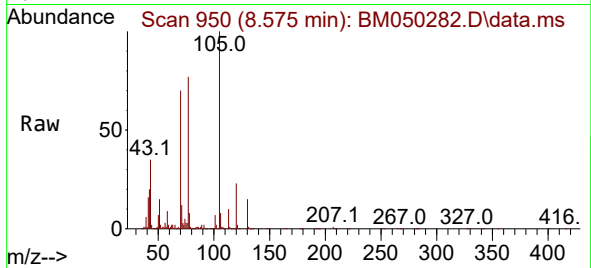




#19
n-Nitroso-di-n-propylamine
Concen: 47.691 ng
RT: 8.575 min Scan# 91
Delta R.T. 0.000 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

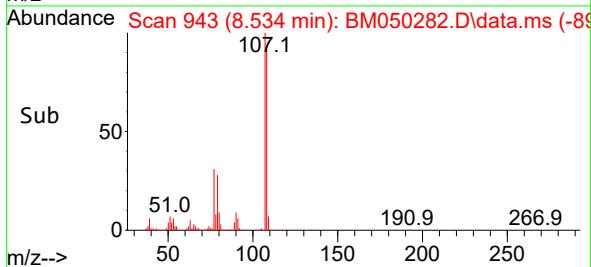
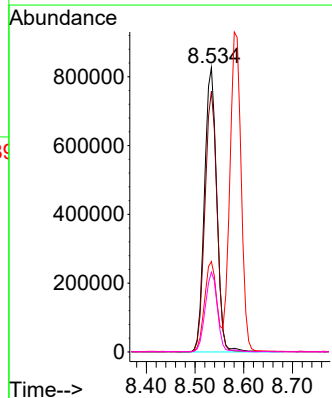
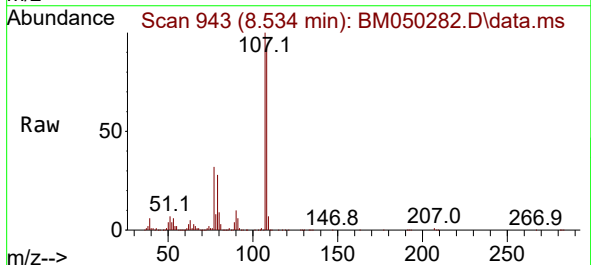
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MSD

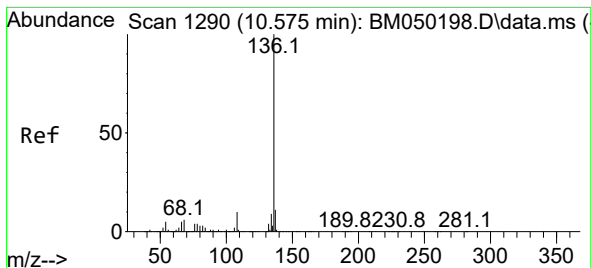
Tgt Ion: 70 Resp: 981685
Ion Ratio Lower Upper
70 100
42 28.5 22.6 33.8
101 9.8 8.3 12.5
130 20.9 17.4 26.2



#20
3+4-Methylphenols
Concen: 45.869 ng
RT: 8.534 min Scan# 943
Delta R.T. -0.000 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

Tgt Ion:107 Resp: 1441125
Ion Ratio Lower Upper
107 100
108 91.7 70.4 110.4
77 31.8 12.2 52.2
79 28.0 7.7 47.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.551 min Scan# 1286

Delta R.T. -0.006 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

Instrument :

BNA_M

ClientSampleId :

ARS20-0032MSD

Tgt Ion:136 Resp: 1656086

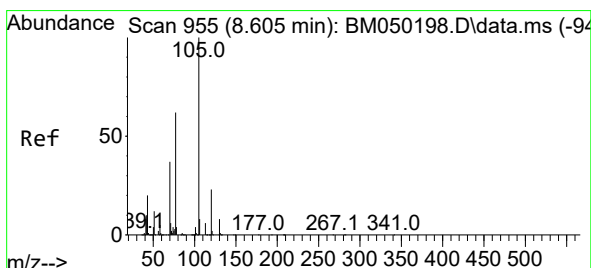
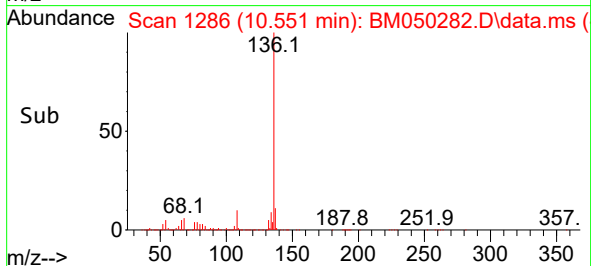
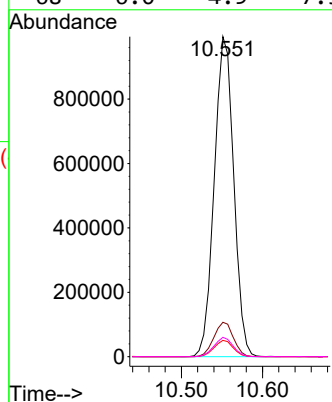
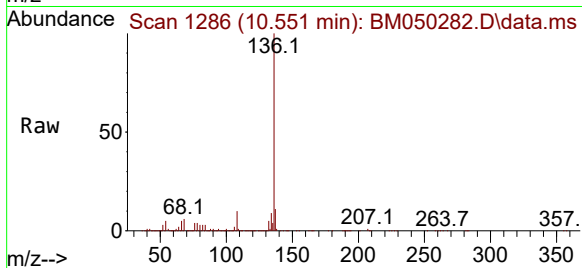
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 5.1 3.8 5.8

68 6.0 4.9 7.3



#22

Acetophenone

Concen: 48.835 ng

RT: 8.581 min Scan# 951

Delta R.T. -0.006 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

Tgt Ion:105 Resp: 2020483

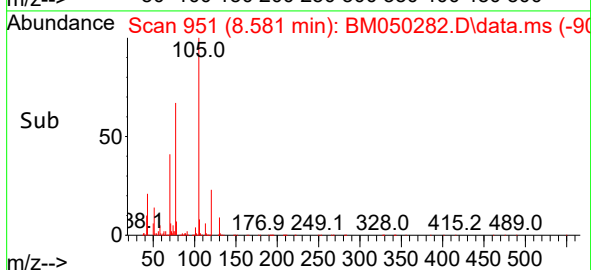
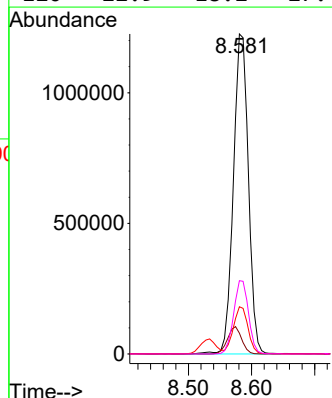
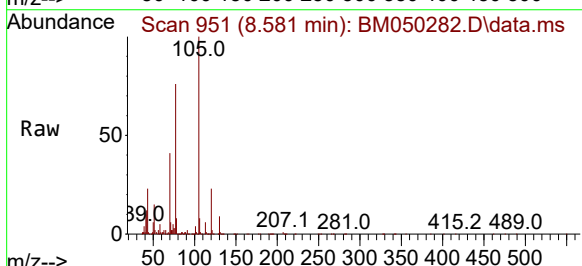
Ion Ratio Lower Upper

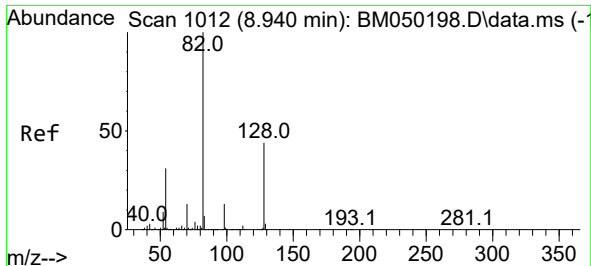
105 100

71 6.5 5.0 7.4

51 14.7 11.4 17.2

120 22.9 18.2 27.4





#23

Nitrobenzene-d5

Concen: 87.997 ng

RT: 8.916 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

Instrument :

BNA_M

ClientSampleId :

ARS20-0032MSD

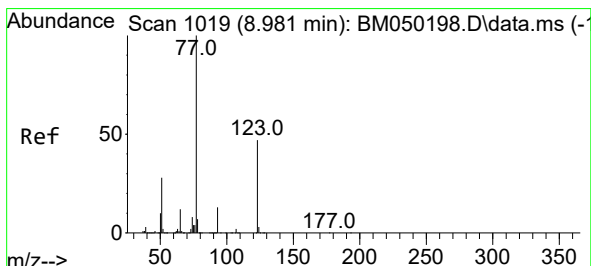
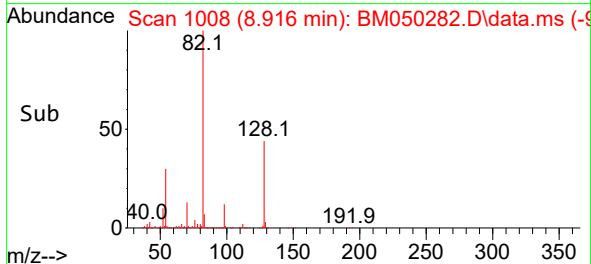
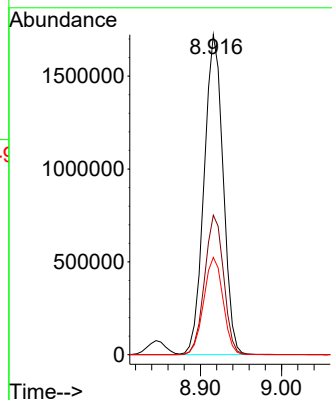
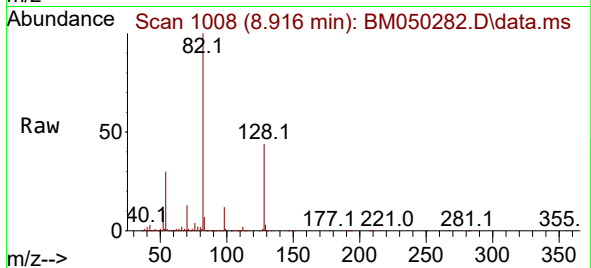
Tgt Ion: 82 Resp: 2802069

Ion Ratio Lower Upper

82 100

128 43.6 35.2 52.8

54 30.4 24.5 36.7



#24

Nitrobenzene

Concen: 50.254 ng

RT: 8.957 min Scan# 1015

Delta R.T. -0.006 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

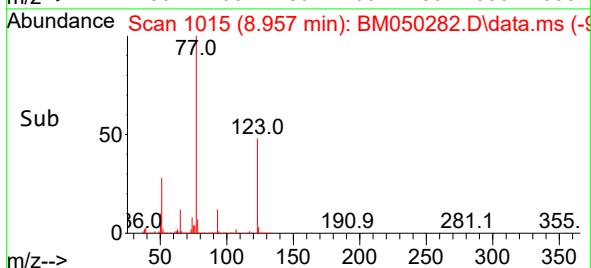
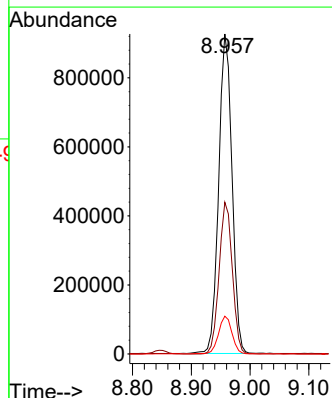
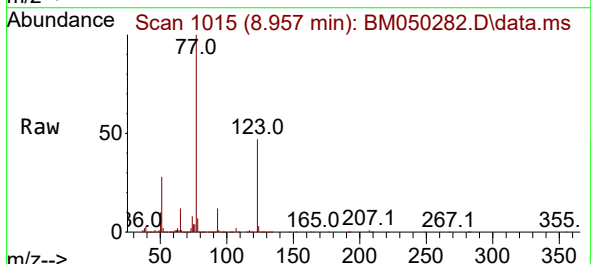
Tgt Ion: 77 Resp: 1455364

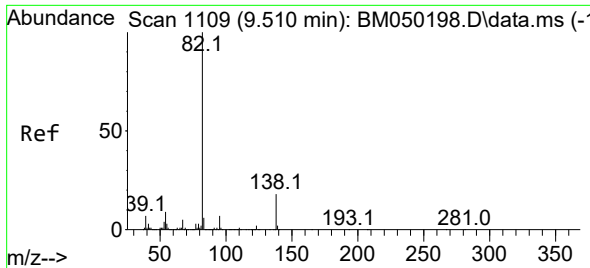
Ion Ratio Lower Upper

77 100

123 47.4 38.2 57.2

65 11.8 9.5 14.3

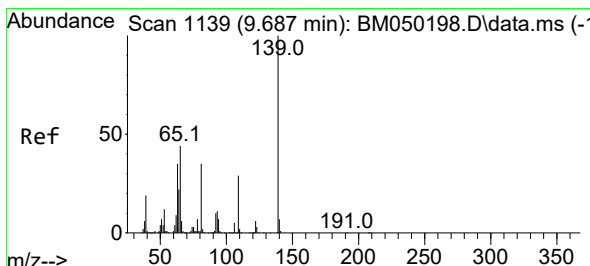
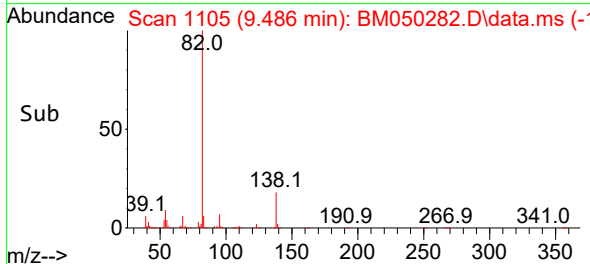
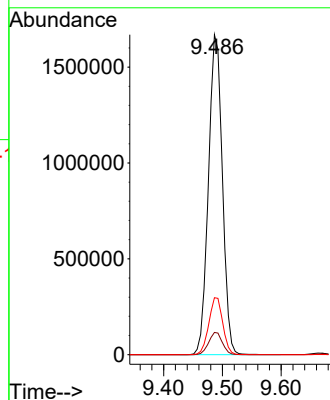
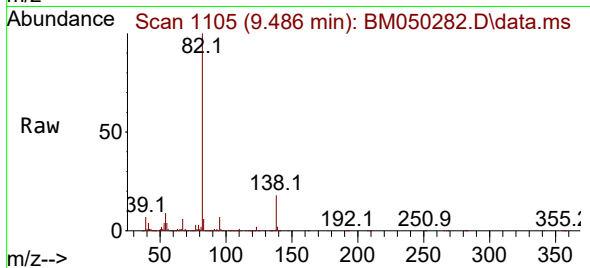




#25
Isophorone
Concen: 49.931 ng
RT: 9.486 min Scan# 1105
Delta R.T. 0.000 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

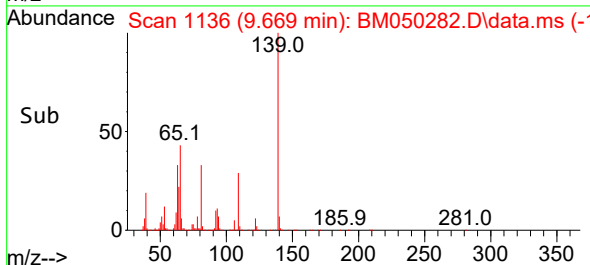
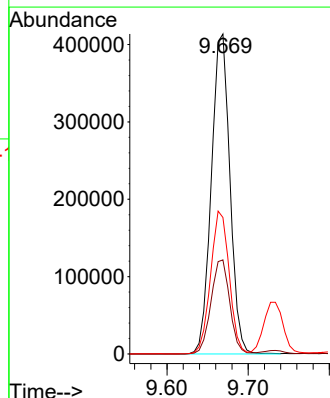
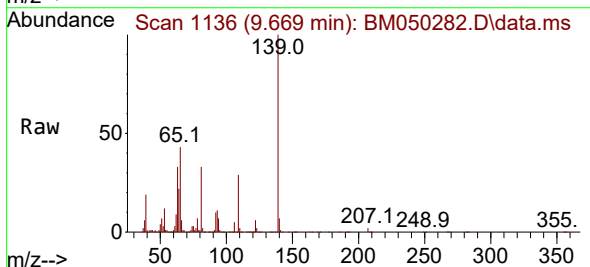
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MSD

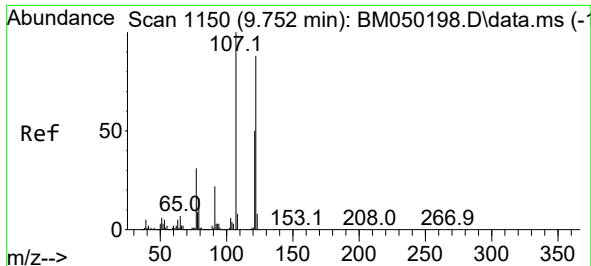
Tgt Ion: 82 Resp: 2744229
Ion Ratio Lower Upper
82 100
95 7.0 5.7 8.5
138 17.8 14.2 21.2



#26
2-Nitrophenol
Concen: 52.581 ng
RT: 9.669 min Scan# 1136
Delta R.T. -0.000 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

Tgt Ion:139 Resp: 657319
Ion Ratio Lower Upper
139 100
109 29.4 23.3 34.9
65 42.7 35.2 52.8

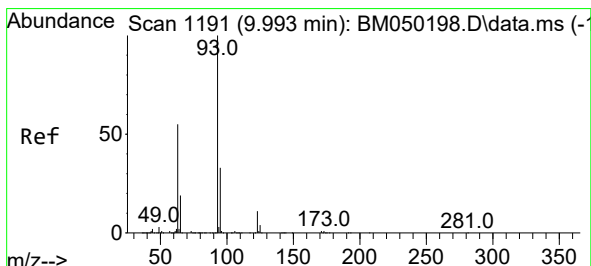
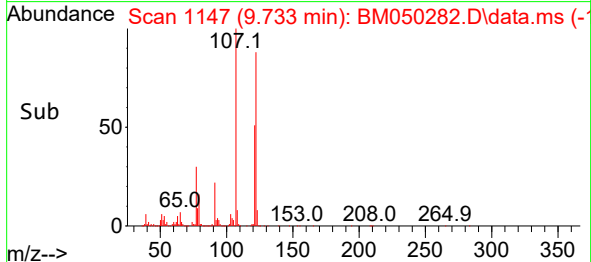
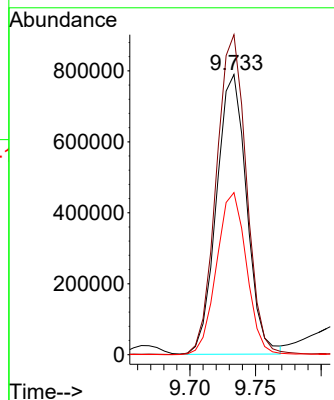
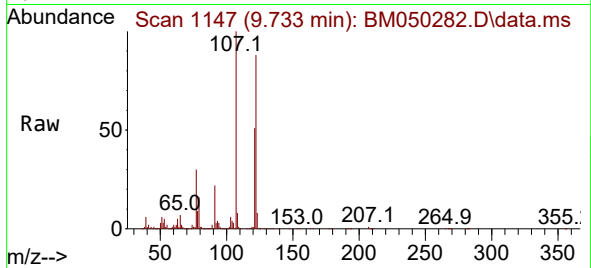




#27
2,4-Dimethylphenol
Concen: 49.154 ng
RT: 9.733 min Scan# 1147
Delta R.T. -0.000 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

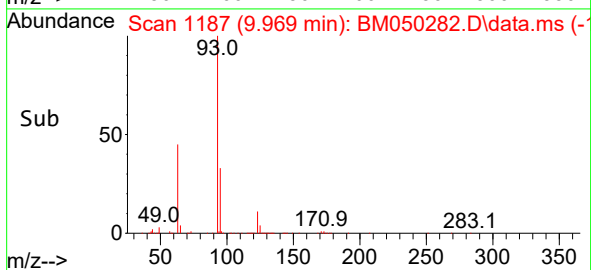
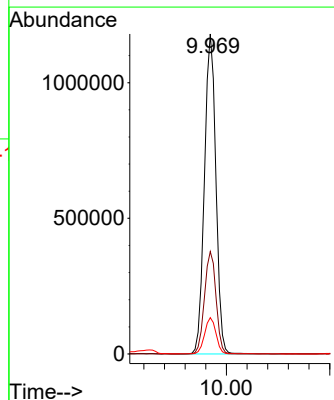
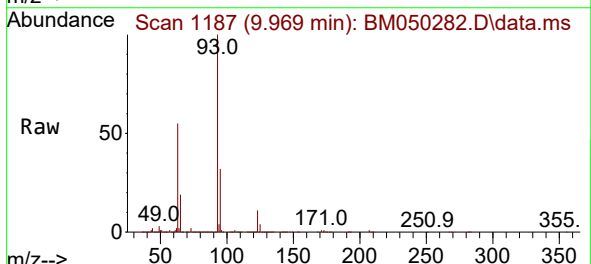
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MSD

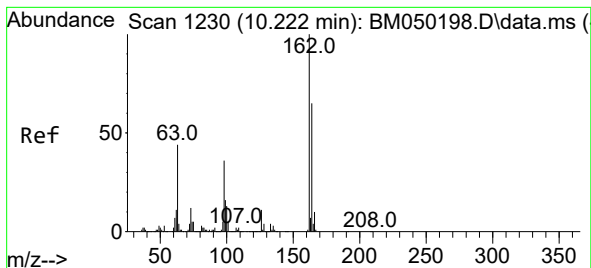
Tgt Ion:122 Resp: 1262564
Ion Ratio Lower Upper
122 100
107 114.2 91.0 136.6
121 57.8 45.8 68.6



#28
bis(2-Chloroethoxy)methane
Concen: 50.488 ng
RT: 9.969 min Scan# 1187
Delta R.T. -0.000 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

Tgt Ion: 93 Resp: 1812743
Ion Ratio Lower Upper
93 100
95 32.0 26.2 39.4
123 11.4 8.9 13.3





#29

2,4-Dichlorophenol

Concen: 52.277 ng

RT: 10.198 min Scan# 1226

Delta R.T. 0.000 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

Instrument :

BNA_M

ClientSampleId :

ARS20-0032MSD

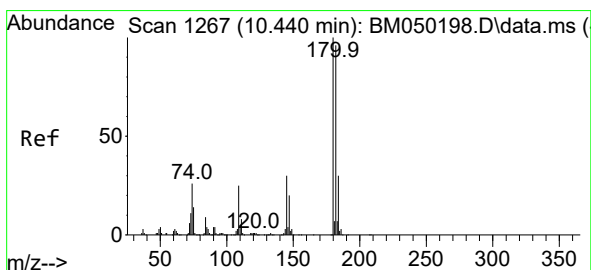
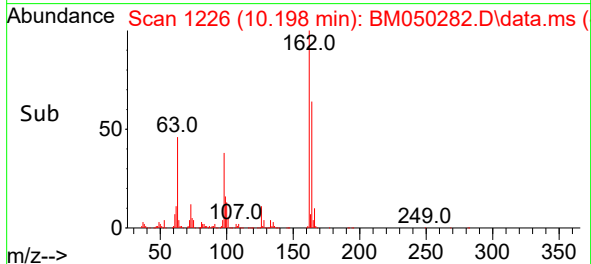
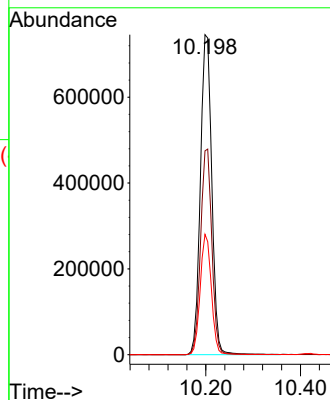
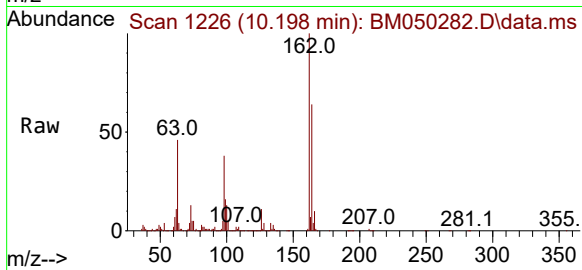
Tgt Ion:162 Resp: 1242582

Ion Ratio Lower Upper

162 100

164 63.7 45.0 85.0

98 37.6 16.3 56.3



#30

1,2,4-Trichlorobenzene

Concen: 49.108 ng

RT: 10.416 min Scan# 1263

Delta R.T. -0.006 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

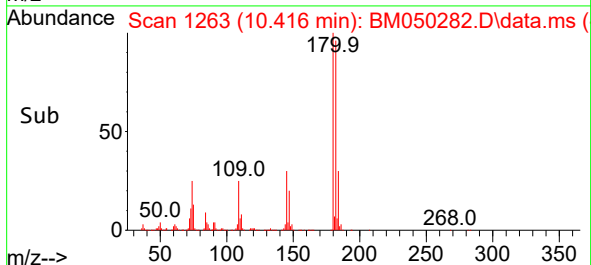
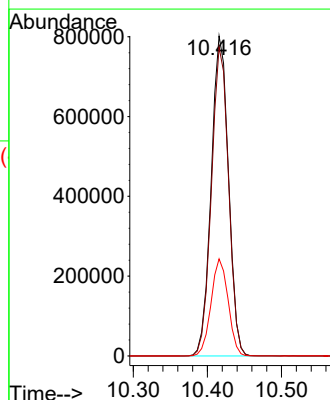
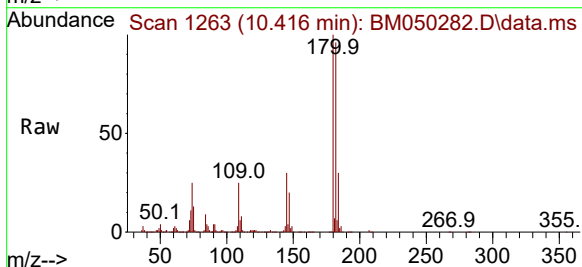
Tgt Ion:180 Resp: 1298922

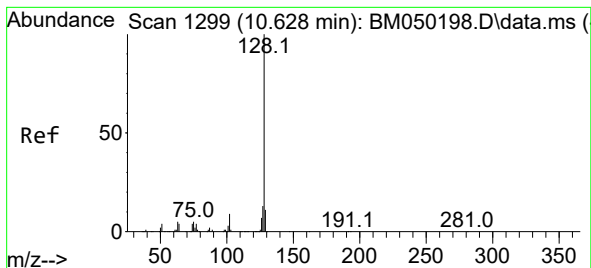
Ion Ratio Lower Upper

180 100

182 96.5 76.6 114.8

145 30.4 24.2 36.4

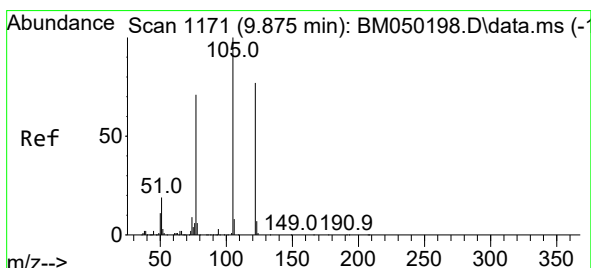
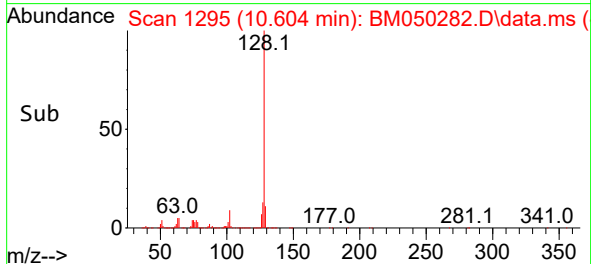
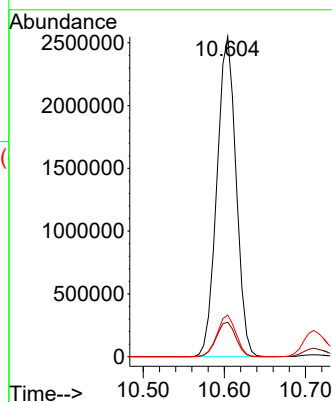
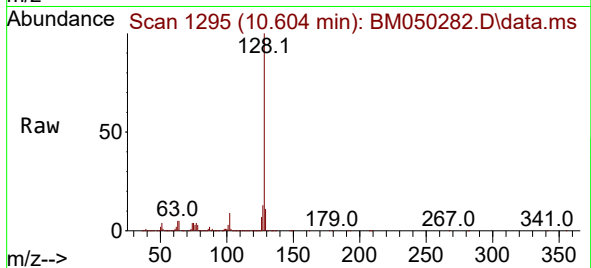




#31
Naphthalene
Concen: 48.874 ng
RT: 10.604 min Scan# 1167
Delta R.T. -0.000 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

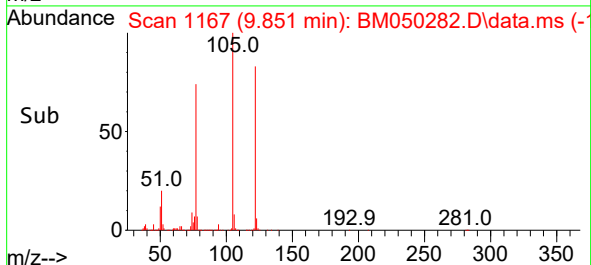
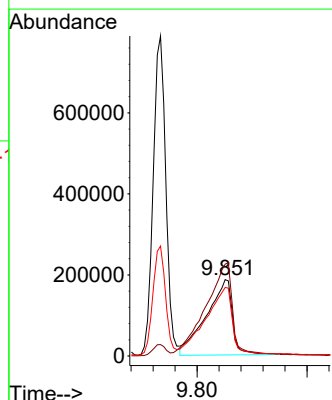
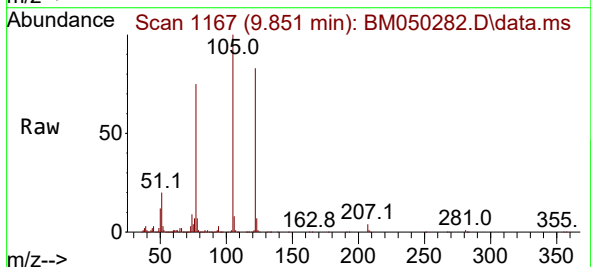
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MSD

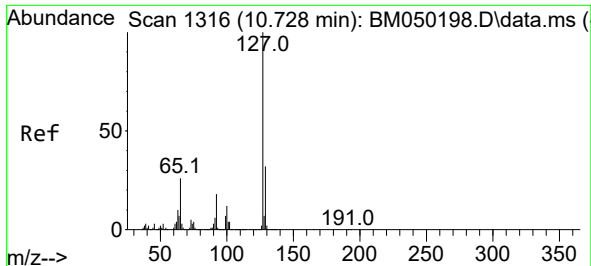
Tgt Ion:128 Resp: 4184727
Ion Ratio Lower Upper
128 100
129 10.8 8.6 12.8
127 13.0 10.2 15.4



#32
Benzoic acid
Concen: 37.998 ng
RT: 9.851 min Scan# 1167
Delta R.T. 0.006 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

Tgt Ion:122 Resp: 613369
Ion Ratio Lower Upper
122 100
105 120.4 103.4 143.4
77 89.7 70.3 110.3

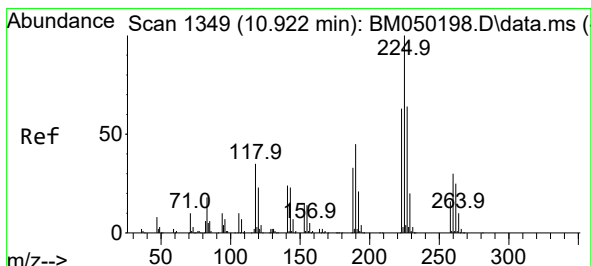
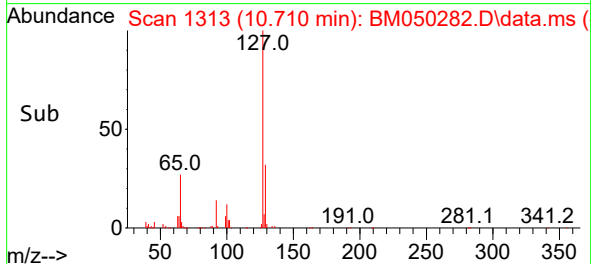
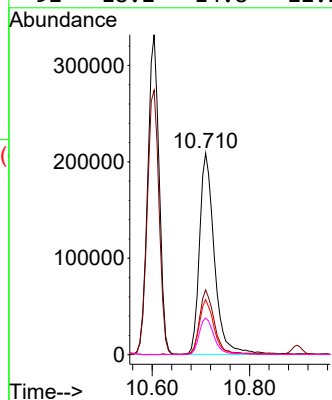
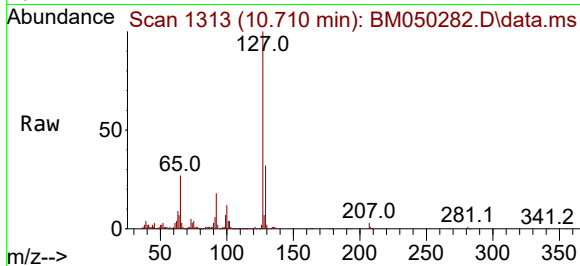




#33
4-Chloroaniline
Concen: 12.183 ng
RT: 10.710 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

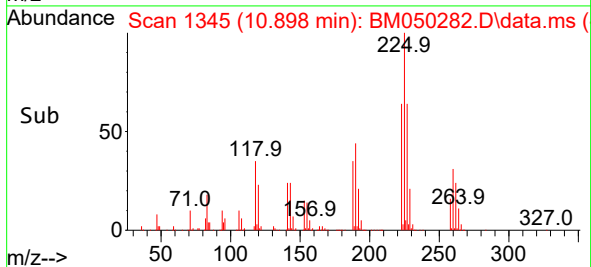
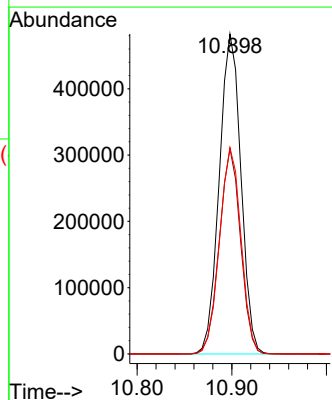
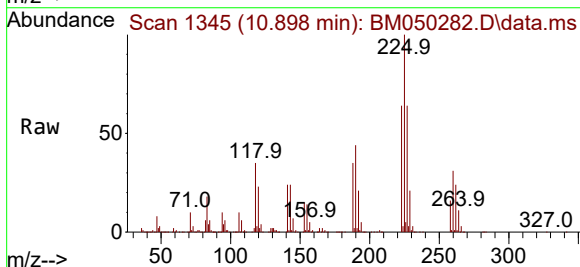
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MSD

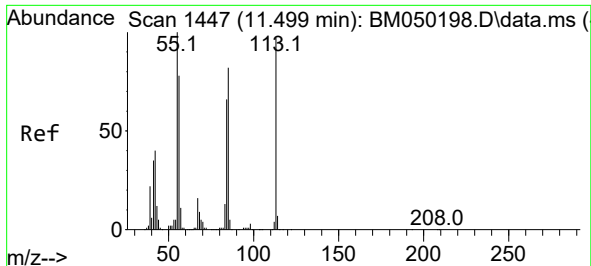
Tgt Ion:	127	Resp:	444716
Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.4	38.0
65	27.3	21.0	31.4
92	18.2	14.8	22.2



#34
Hexachlorobutadiene
Concen: 48.803 ng
RT: 10.898 min Scan# 1345
Delta R.T. -0.006 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

Tgt Ion:	225	Resp:	767819
Ion	Ratio	Lower	Upper
225	100		
223	64.1	50.2	75.2
227	64.5	51.0	76.4

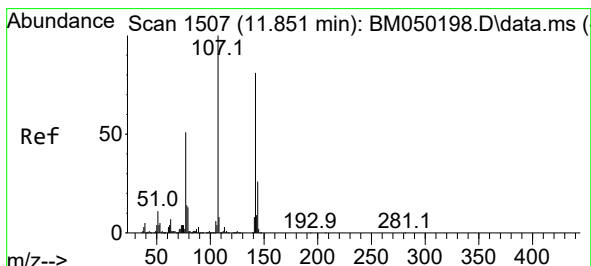
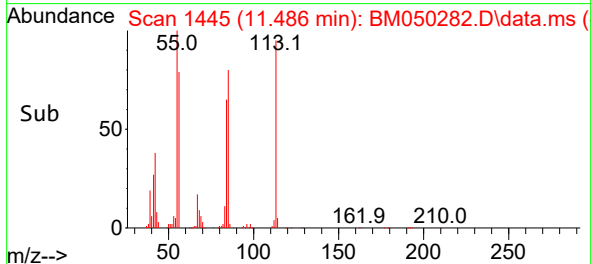
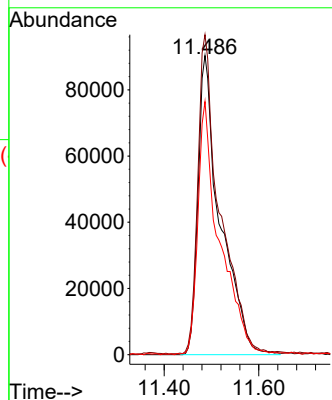
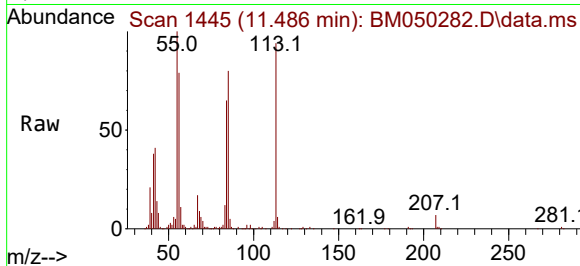




#35
 Caprolactam
 Concen: 38.828 ng
 RT: 11.486 min Scan# 1445
 Delta R.T. 0.006 min
 Lab File: BM050282.D
 Acq: 11 Jun 2025 20:02

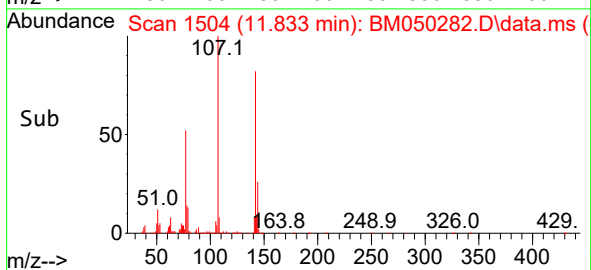
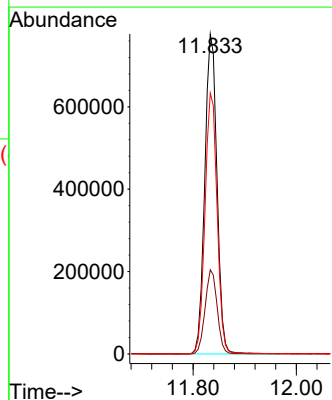
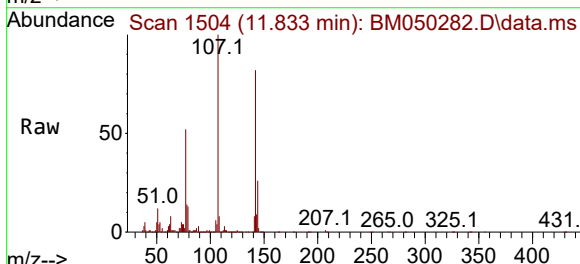
Instrument :
 BNA_M
 ClientSampleId :
 ARS20-0032MSD

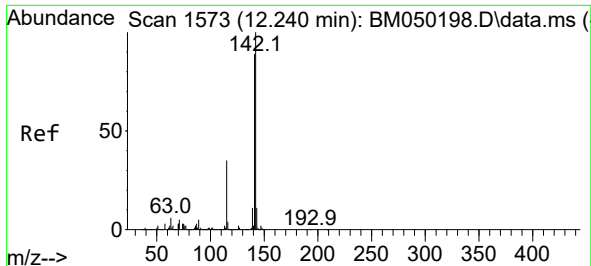
Tgt Ion:113 Resp: 292596
 Ion Ratio Lower Upper
 113 100
 55 106.9 83.5 123.5
 56 84.6 60.6 100.6



#36
 4-Chloro-3-methylphenol
 Concen: 50.133 ng
 RT: 11.833 min Scan# 1504
 Delta R.T. -0.000 min
 Lab File: BM050282.D
 Acq: 11 Jun 2025 20:02

Tgt Ion:107 Resp: 1271539
 Ion Ratio Lower Upper
 107 100
 144 26.3 21.0 31.6
 142 81.6 64.8 97.2

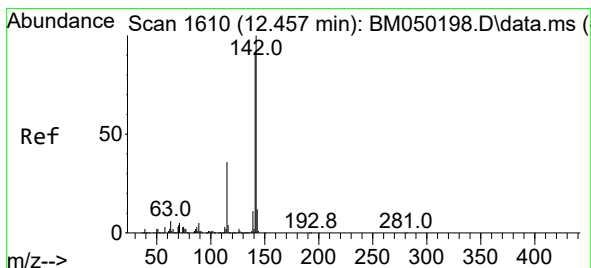
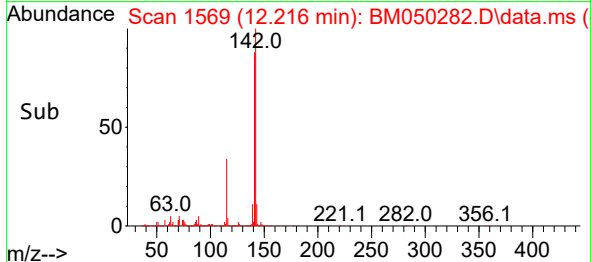
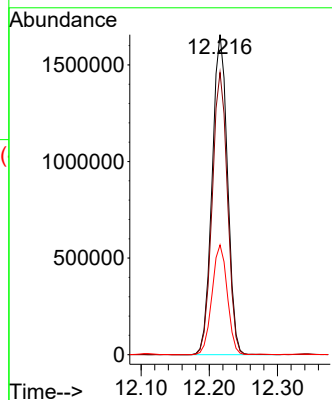
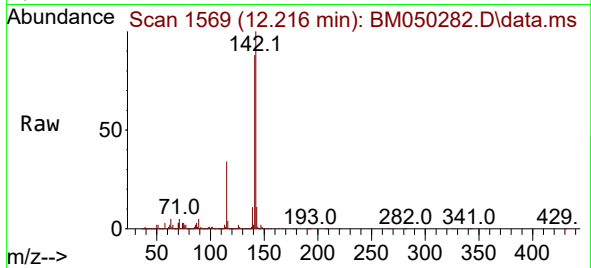




#37
2-Methylnaphthalene
Concen: 50.389 ng
RT: 12.216 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

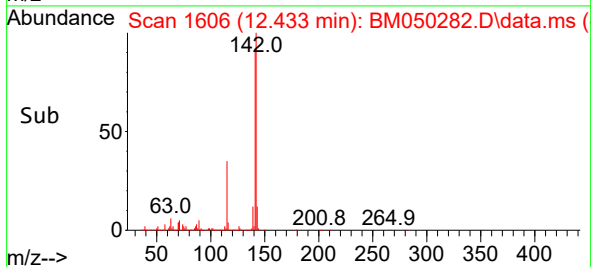
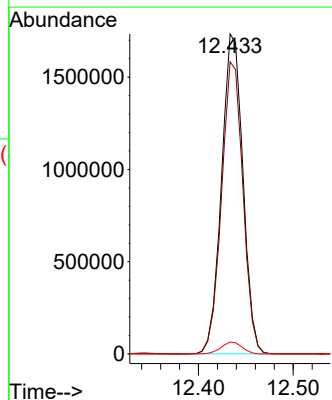
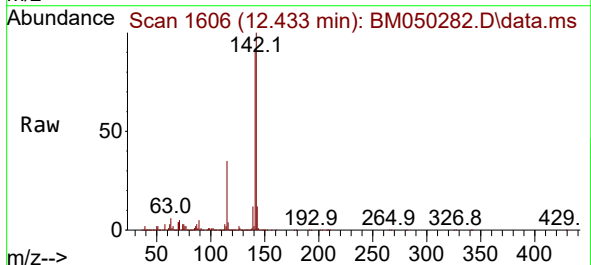
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MSD

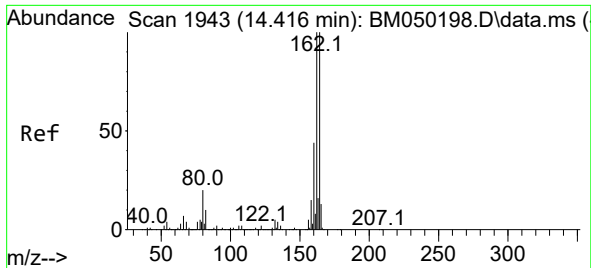
Tgt Ion:142 Resp: 2602795
Ion Ratio Lower Upper
142 100
141 88.2 71.5 107.3
115 34.3 27.8 41.8



#38
1-Methylnaphthalene
Concen: 49.615 ng
RT: 12.433 min Scan# 1606
Delta R.T. -0.006 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

Tgt Ion:142 Resp: 2720090
Ion Ratio Lower Upper
142 100
141 91.3 72.9 109.3
116 3.7 3.0 4.6

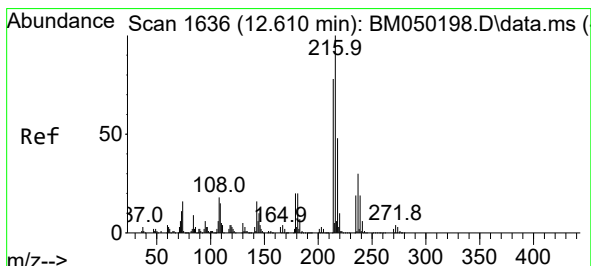
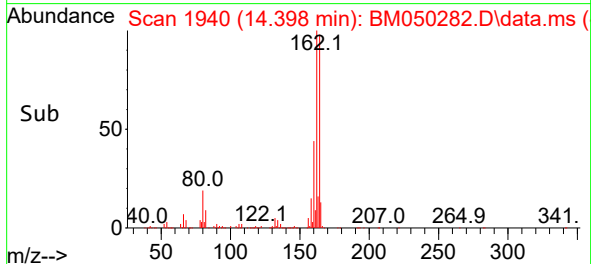
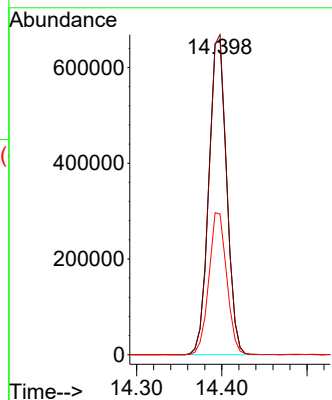
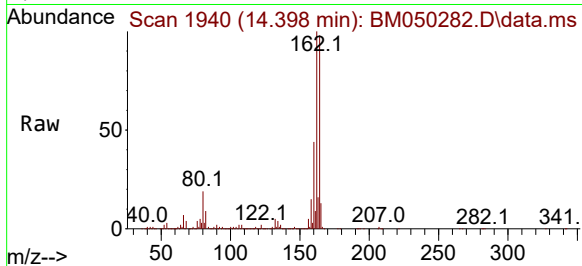




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.398 min Scan# 1943
Delta R.T. 0.000 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

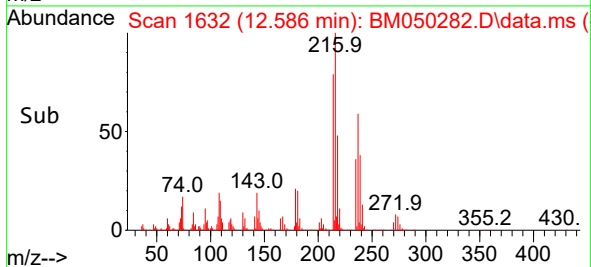
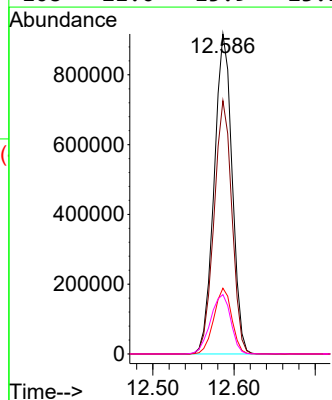
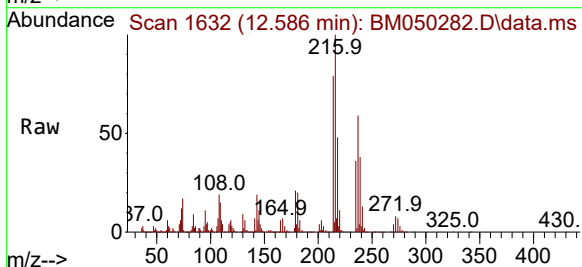
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MSD

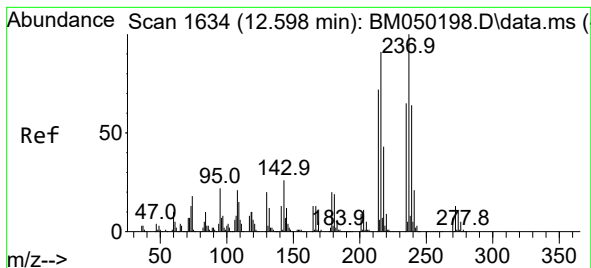
Tgt Ion:164 Resp: 962021
Ion Ratio Lower Upper
164 100
162 101.6 80.2 120.4
160 44.7 35.7 53.5



#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.791 ng
RT: 12.586 min Scan# 1632
Delta R.T. 0.000 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

Tgt Ion:216 Resp: 1410949
Ion Ratio Lower Upper
216 100
214 78.8 63.0 94.4
179 20.5 16.6 25.0
108 21.0 15.9 23.9





#41

Hexachlorocyclopentadiene

Concen: 98.064 ng

RT: 12.574 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

Instrument :

BNA_M

ClientSampleId :

ARS20-0032MSD

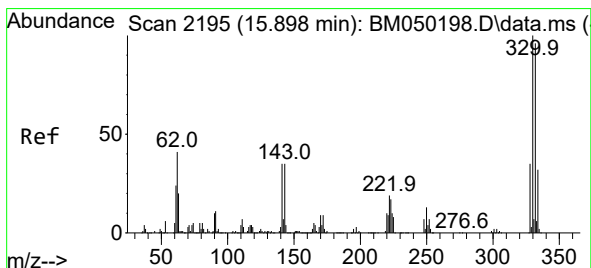
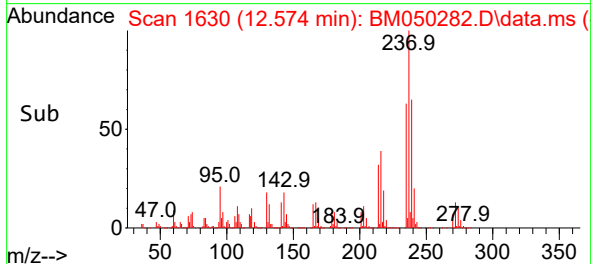
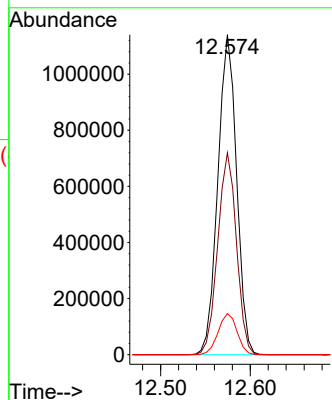
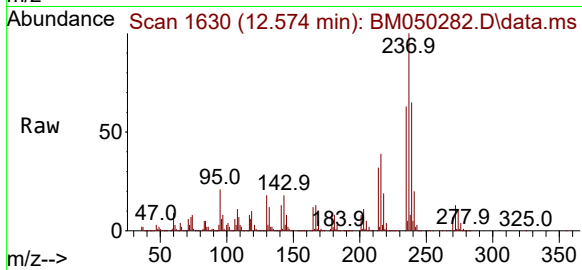
Tgt Ion:237 Resp: 1654385

Ion Ratio Lower Upper

237 100

235 63.1 44.6 84.6

272 12.8 0.0 33.1



#42

2,4,6-Tribromophenol

Concen: 146.430 ng

RT: 15.880 min Scan# 2192

Delta R.T. 0.000 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

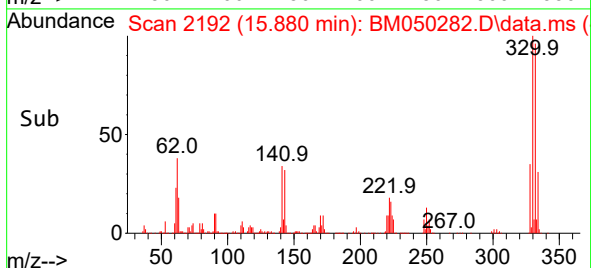
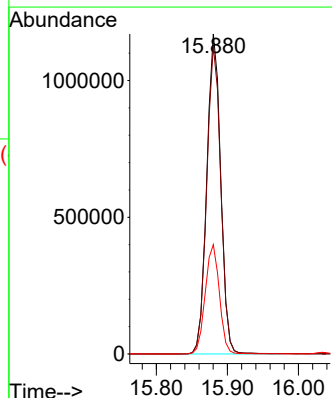
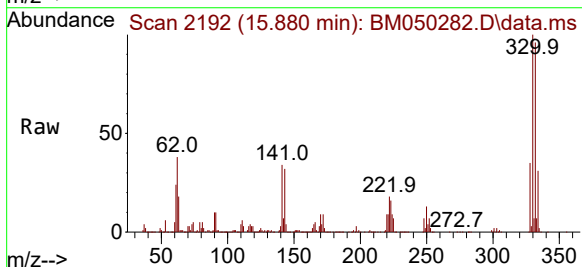
Tgt Ion:330 Resp: 1602285

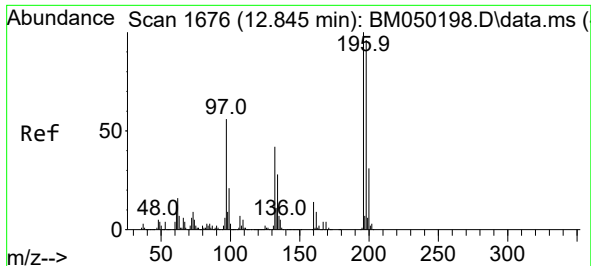
Ion Ratio Lower Upper

330 100

332 96.8 77.5 116.3

141 34.8 28.8 43.2

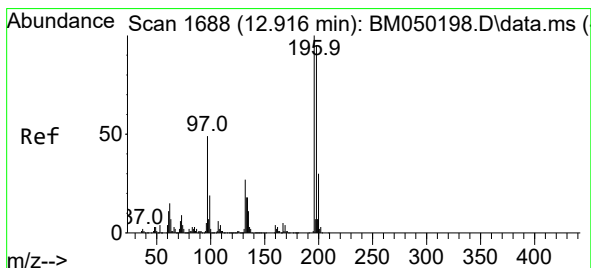
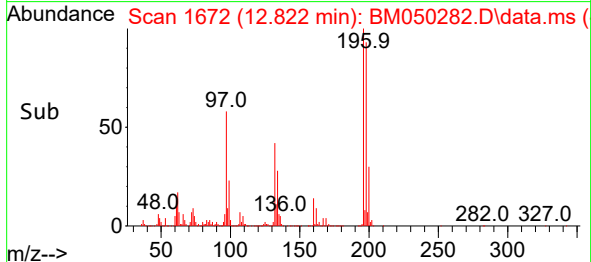
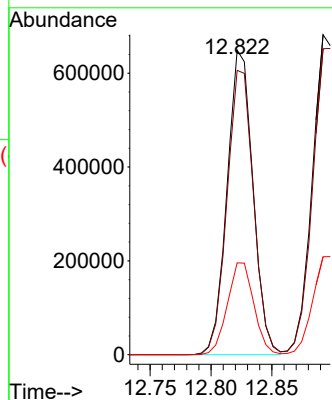
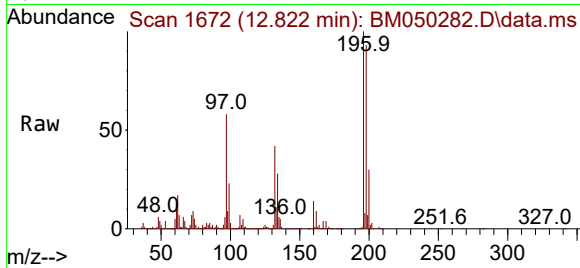




#43
2,4,6-Trichlorophenol
Concen: 52.666 ng
RT: 12.822 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

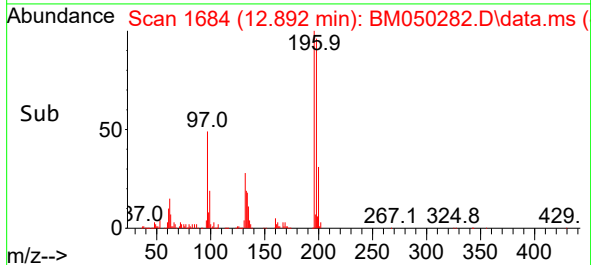
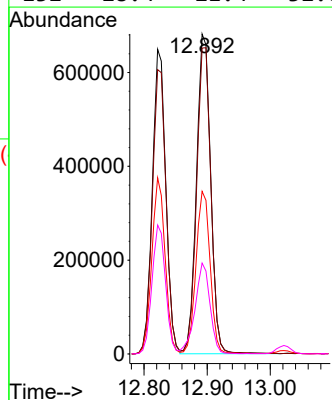
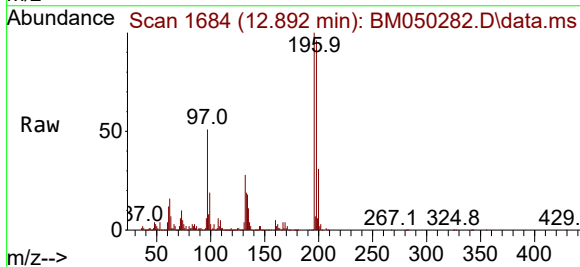
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MSD

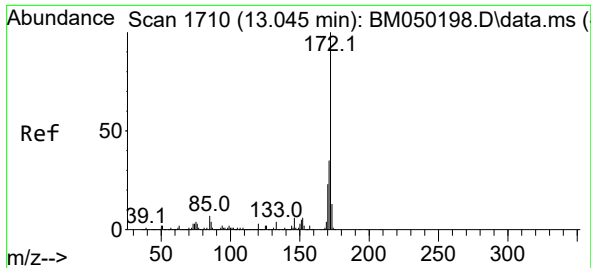
Tgt Ion:196 Resp: 962110
Ion Ratio Lower Upper
196 100
198 93.3 76.6 115.0
200 30.1 24.5 36.7



#44
2,4,5-Trichlorophenol
Concen: 53.089 ng
RT: 12.892 min Scan# 1684
Delta R.T. -0.006 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

Tgt Ion:196 Resp: 1064817
Ion Ratio Lower Upper
196 100
198 95.6 76.1 114.1
97 50.8 39.3 58.9
132 28.4 21.4 32.0

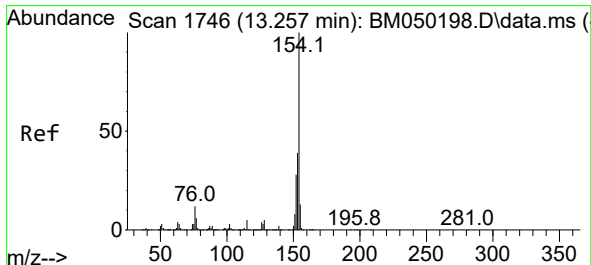
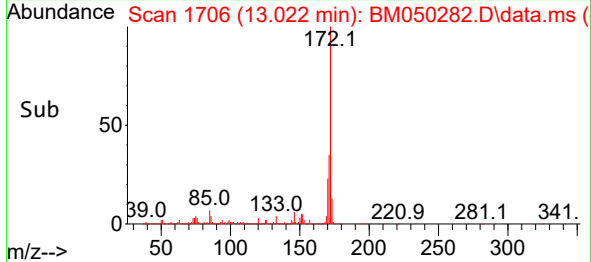
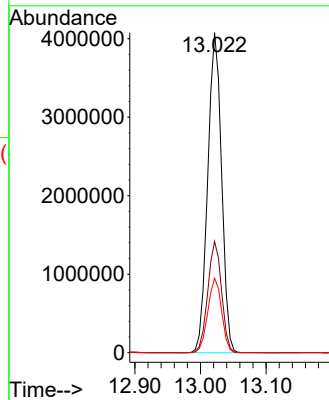
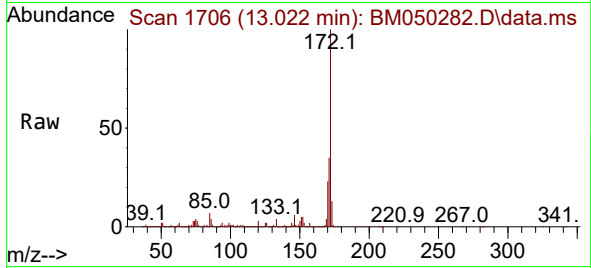




#45
2-Fluorobiphenyl
Concen: 84.236 ng
RT: 13.022 min Scan# 1706
Delta R.T. -0.006 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

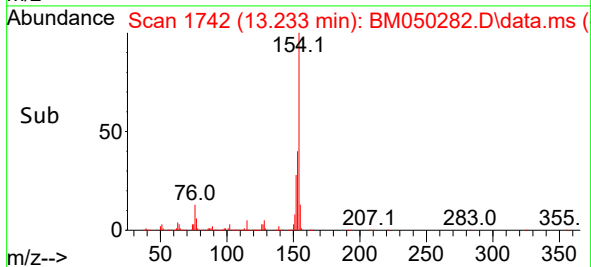
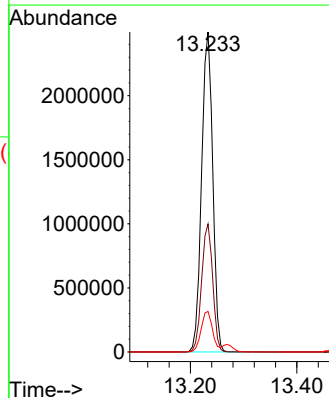
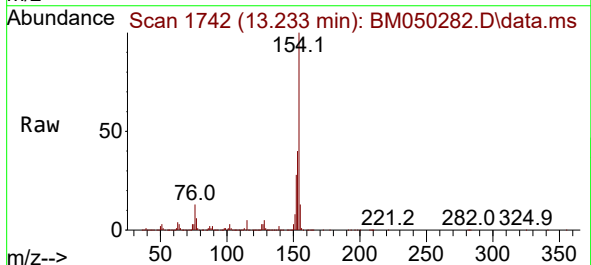
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MSD

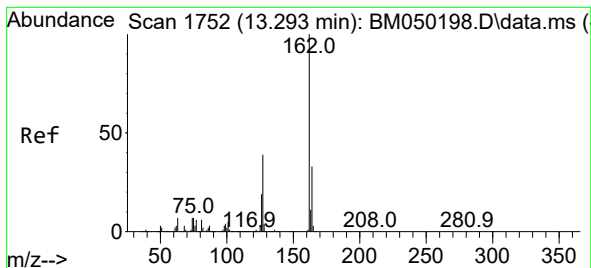
Tgt Ion:172 Resp: 5985627
Ion Ratio Lower Upper
172 100
171 34.8 27.8 41.6
170 23.3 18.6 27.8



#46
1,1'-Biphenyl
Concen: 50.120 ng
RT: 13.233 min Scan# 1742
Delta R.T. 0.000 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

Tgt Ion:154 Resp: 3610425
Ion Ratio Lower Upper
154 100
153 40.0 19.2 59.2
76 12.7 0.0 32.0





#47

2-Chloronaphthalene

Concen: 49.707 ng

RT: 13.269 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

Instrument :

BNA_M

ClientSampleId :

ARS20-0032MSD

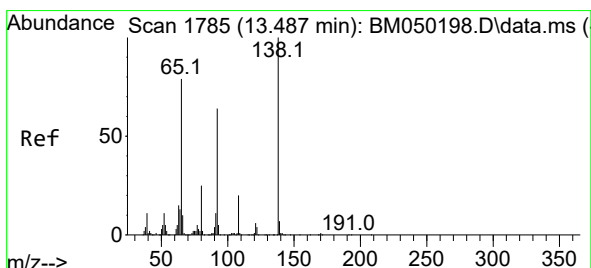
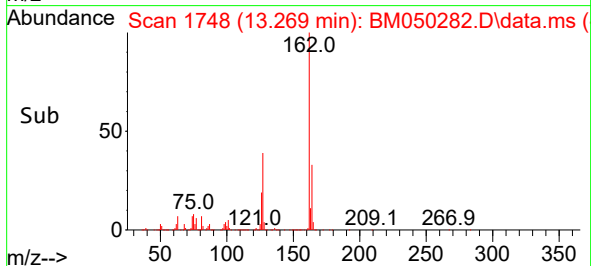
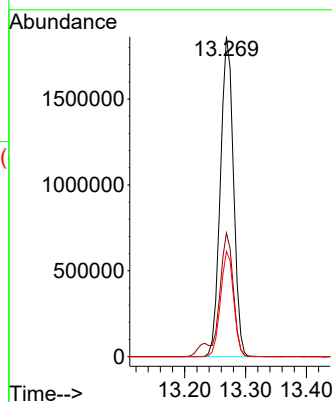
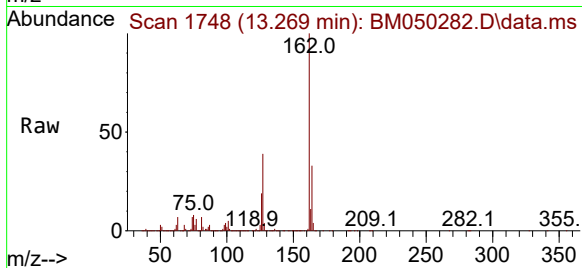
Tgt Ion:162 Resp: 2783712

Ion Ratio Lower Upper

162 100

127 38.6 31.1 46.7

164 32.9 26.5 39.7



#48

2-Nitroaniline

Concen: 57.214 ng

RT: 13.469 min Scan# 1782

Delta R.T. 0.000 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

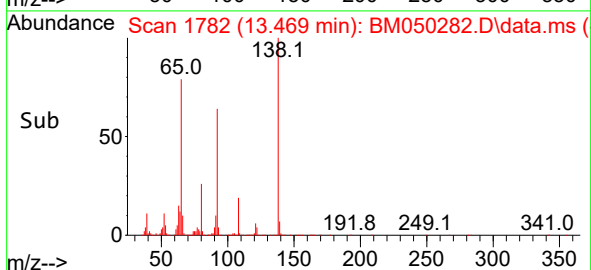
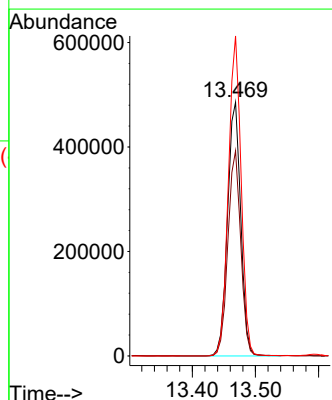
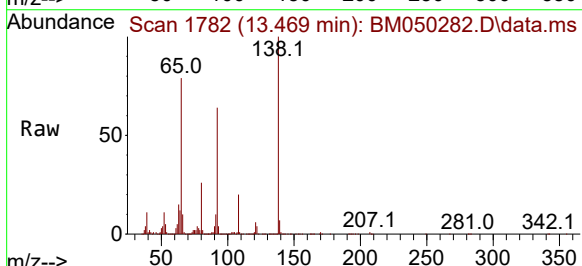
Tgt Ion: 65 Resp: 705117

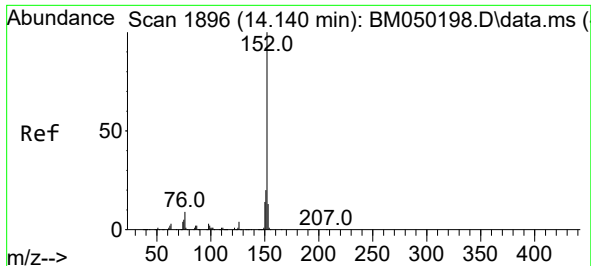
Ion Ratio Lower Upper

65 100

92 80.8 64.2 96.4

138 126.1 101.0 151.4

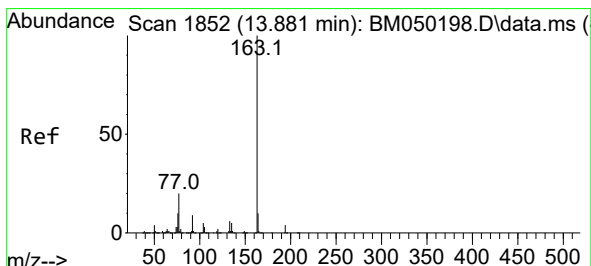
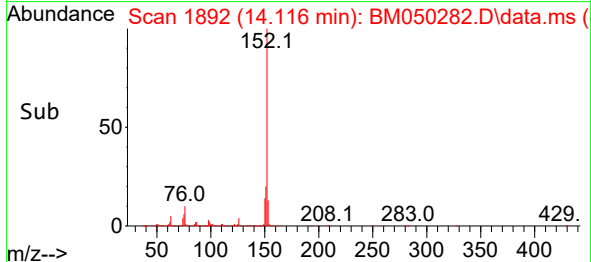
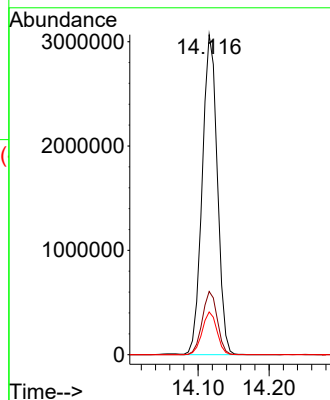
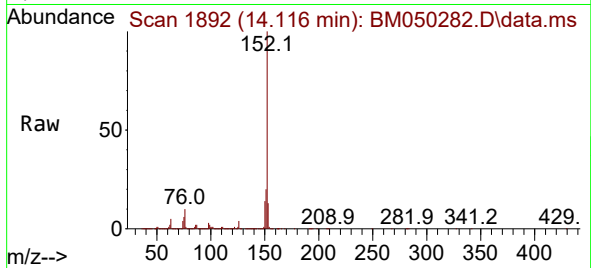




#49
Acenaphthylene
Concen: 50.055 ng
RT: 14.116 min Scan# 1892
Delta R.T. -0.006 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

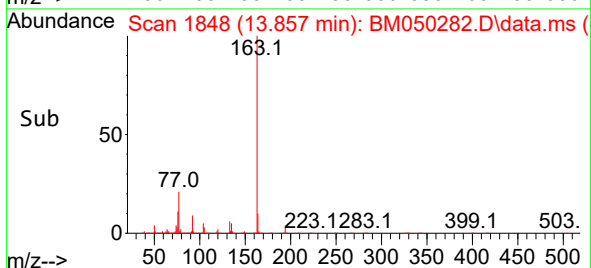
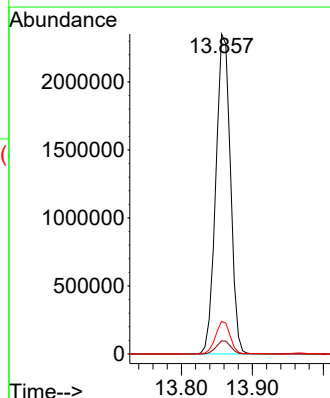
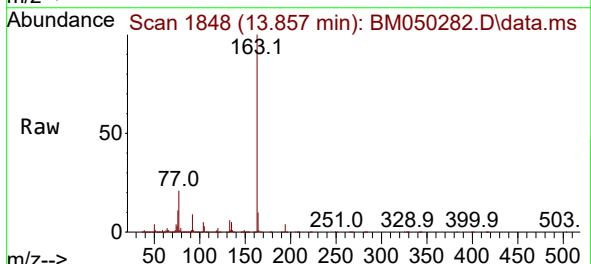
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MSD

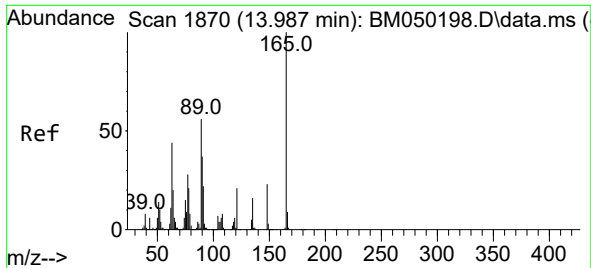
Tgt Ion:152 Resp: 4534055
Ion Ratio Lower Upper
152 100
151 19.8 15.8 23.6
153 13.4 10.4 15.6



#50
Dimethylphthalate
Concen: 51.468 ng
RT: 13.857 min Scan# 1848
Delta R.T. -0.006 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

Tgt Ion:163 Resp: 3348601
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 10.1 7.9 11.9

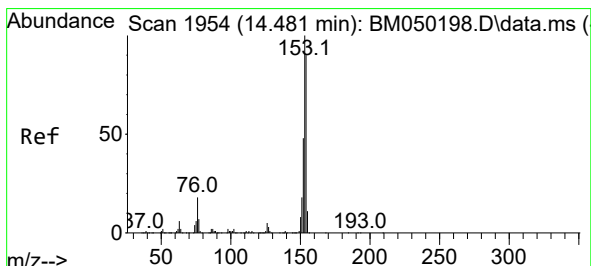
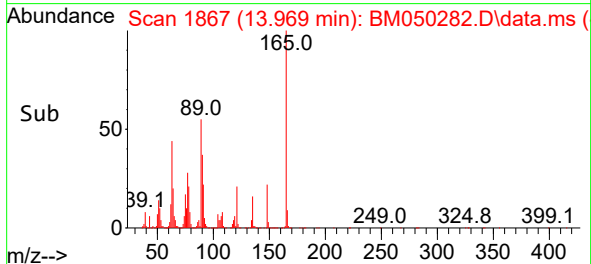
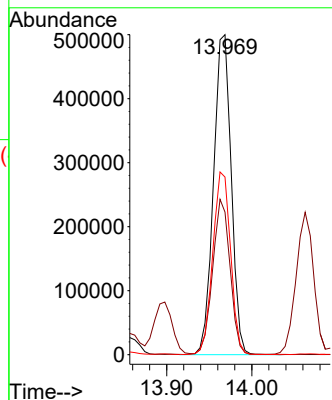
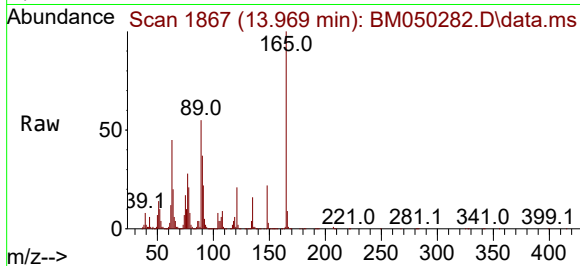




#51
2,6-Dinitrotoluene
Concen: 55.000 ng
RT: 13.969 min Scan# 1867
Delta R.T. 0.000 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

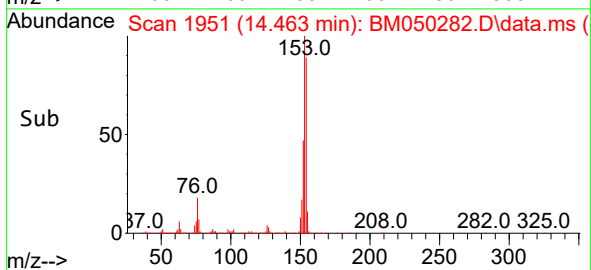
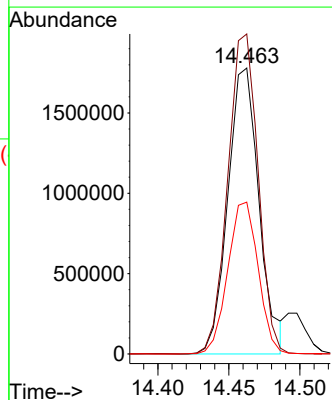
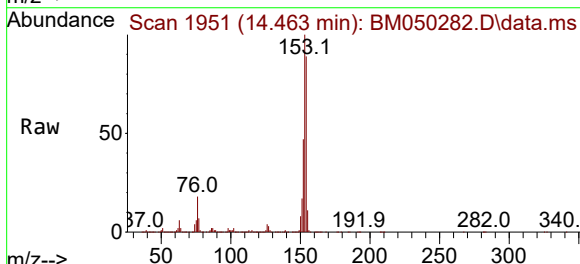
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MSD

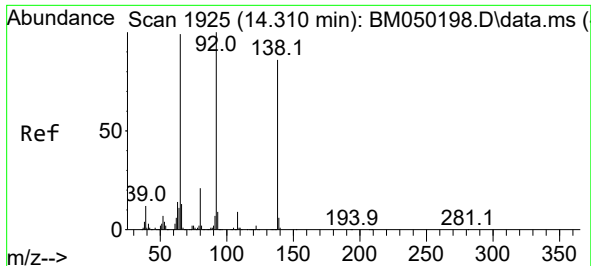
Tgt Ion:165 Resp: 721633
Ion Ratio Lower Upper
165 100
63 44.5 35.8 53.6
89 55.5 44.8 67.2



#52
Acenaphthene
Concen: 47.995 ng
RT: 14.463 min Scan# 1951
Delta R.T. 0.000 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

Tgt Ion:154 Resp: 2719208
Ion Ratio Lower Upper
154 100
153 111.9 88.7 133.1
152 53.1 42.6 63.8

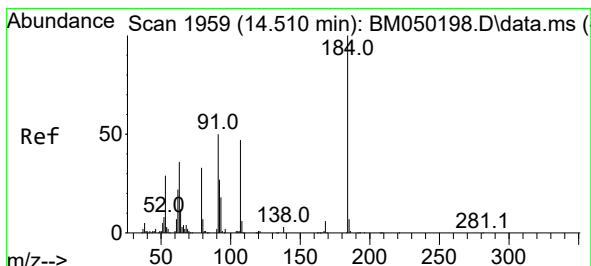
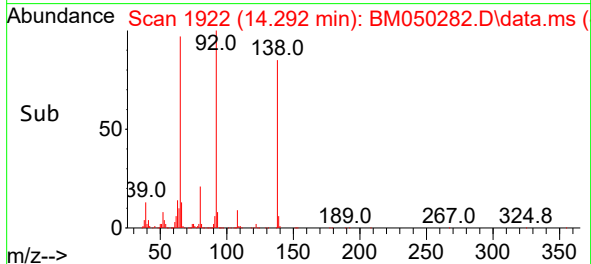
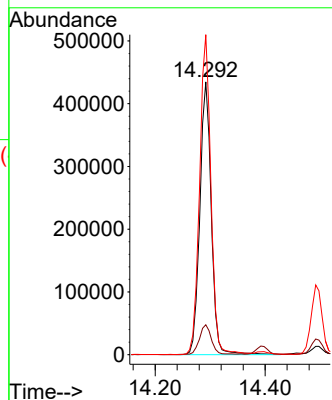
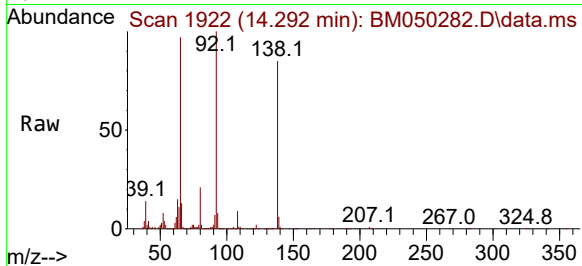




#53
3-Nitroaniline
Concen: 43.072 ng
RT: 14.292 min Scan# 1922
Delta R.T. 0.000 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

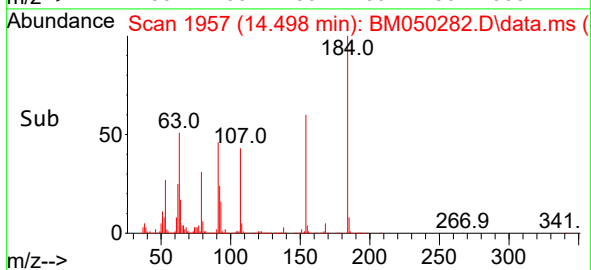
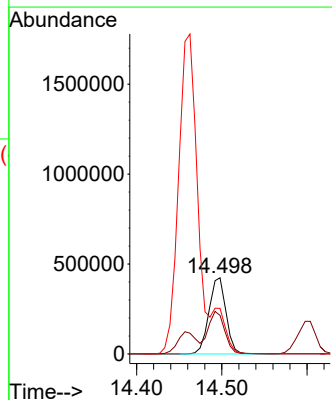
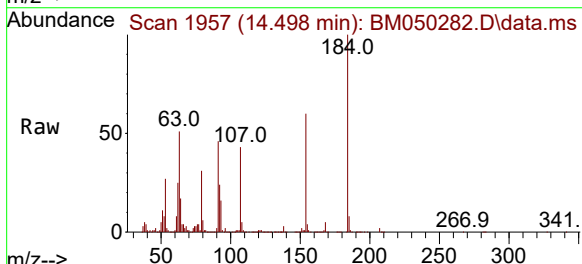
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MSD

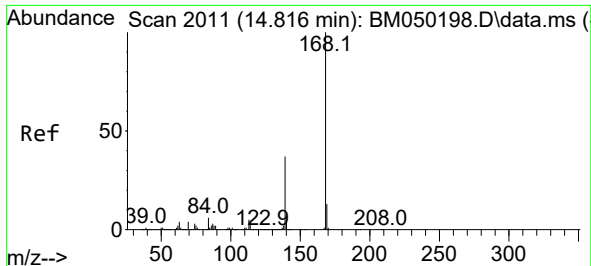
Tgt Ion:138 Resp: 629839
Ion Ratio Lower Upper
138 100
108 11.0 8.8 13.2
92 117.3 92.9 139.3



#54
2,4-Dinitrophenol
Concen: 75.764 ng
RT: 14.498 min Scan# 1957
Delta R.T. 0.006 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

Tgt Ion:184 Resp: 589758
Ion Ratio Lower Upper
184 100
63 50.6 45.3 67.9
154 60.0 54.3 81.5

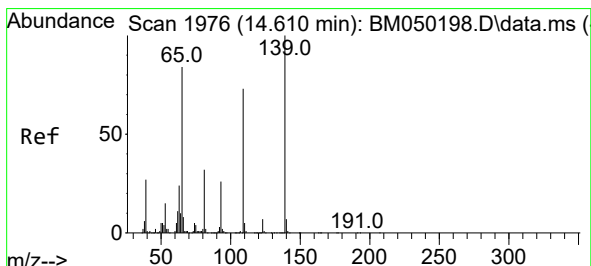
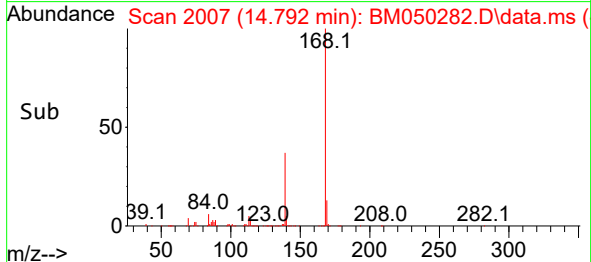
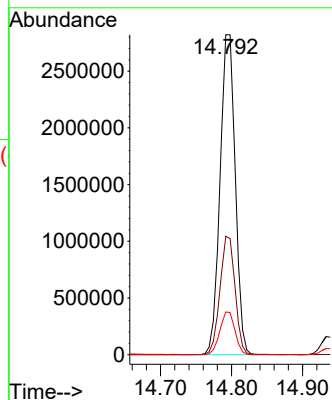
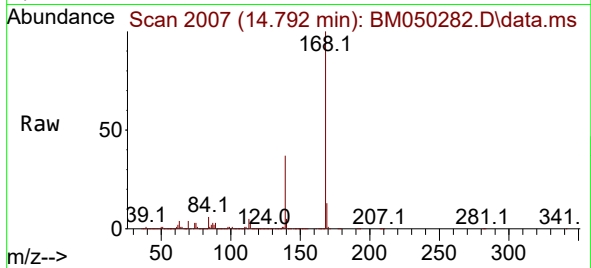




#55
Dibenzenofuran
Concen: 50.399 ng
RT: 14.792 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

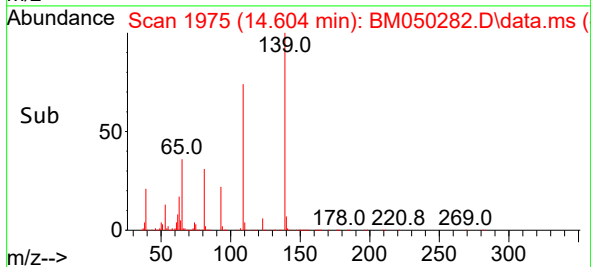
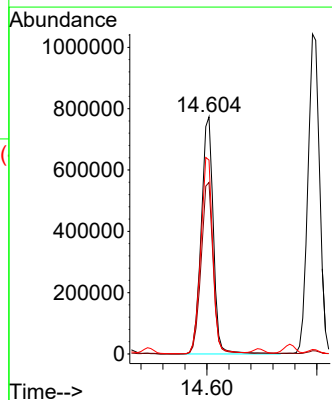
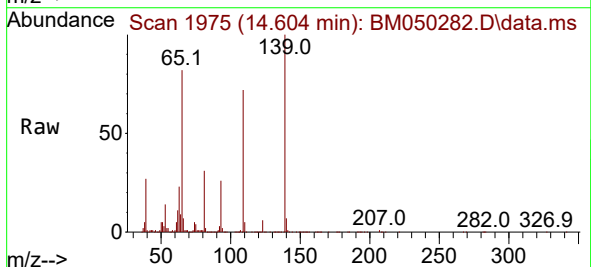
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MSD

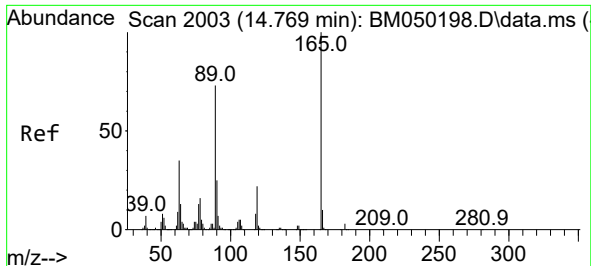
Tgt Ion:168 Resp: 4177490
Ion Ratio Lower Upper
168 100
139 37.0 29.9 44.9
169 13.3 10.6 16.0



#56
4-Nitrophenol
Concen: 95.343 ng
RT: 14.604 min Scan# 1975
Delta R.T. 0.006 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

Tgt Ion:139 Resp: 1186660
Ion Ratio Lower Upper
139 100
109 72.3 52.6 92.6
65 81.8 64.3 104.3





#57

2,4-Dinitrotoluene

Concen: 57.173 ng

RT: 14.751 min Scan# 20

Delta R.T. 0.000 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

Instrument :

BNA_M

ClientSampleId :

ARS20-0032MSD

Tgt Ion:165 Resp: 989545

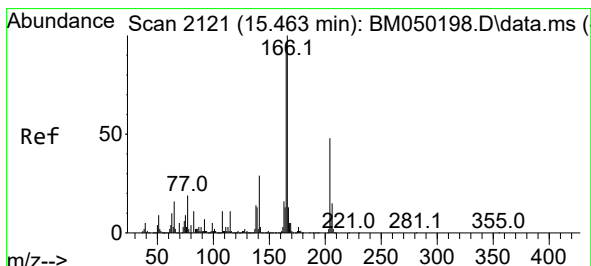
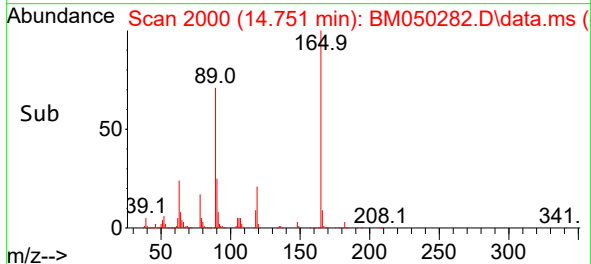
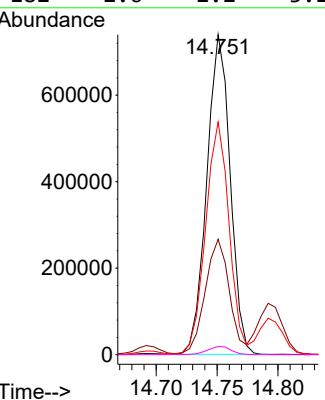
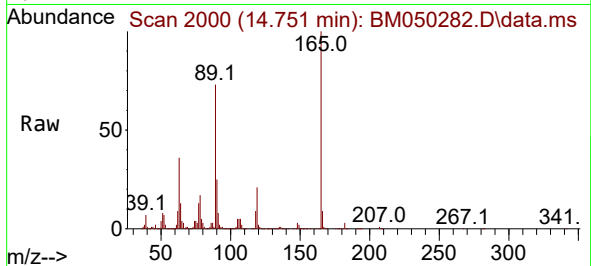
Ion Ratio Lower Upper

165 100

63 36.0 28.4 42.6

89 72.7 58.0 87.0

182 2.6 2.2 3.2



#58

Fluorene

Concen: 50.333 ng

RT: 15.445 min Scan# 2118

Delta R.T. 0.000 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

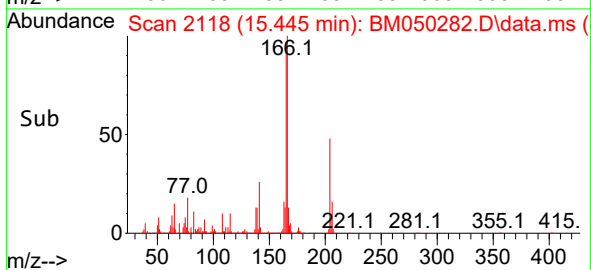
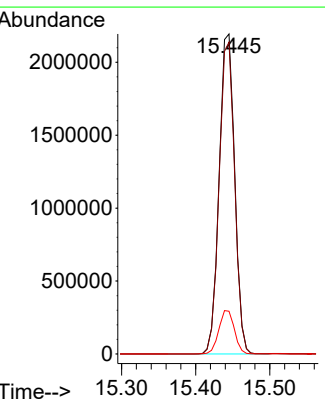
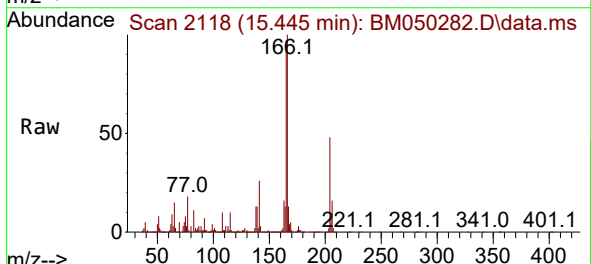
Tgt Ion:166 Resp: 3195447

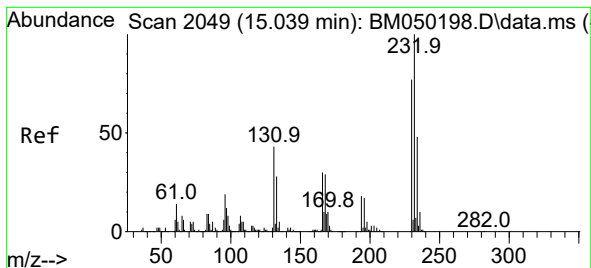
Ion Ratio Lower Upper

166 100

165 97.5 77.0 115.4

167 13.4 10.7 16.1

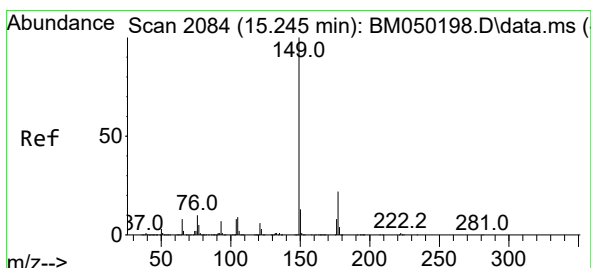
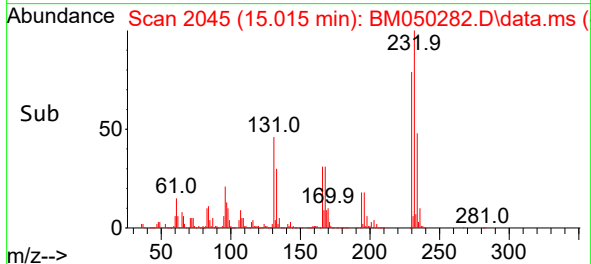
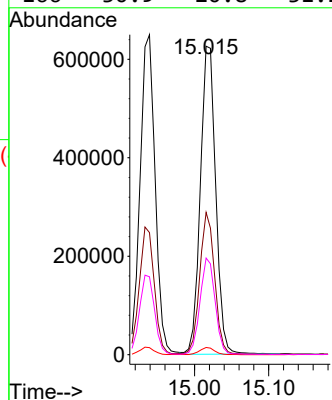
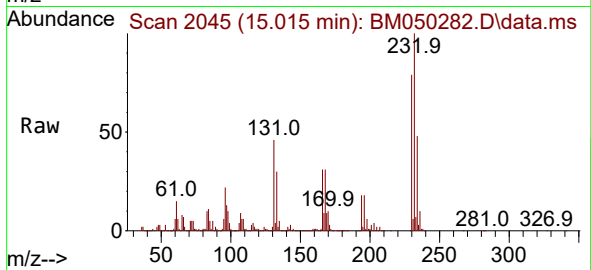




#59
2,3,4,6-Tetrachlorophenol
Concen: 51.991 ng
RT: 15.015 min Scan# 2045
Delta R.T. -0.006 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

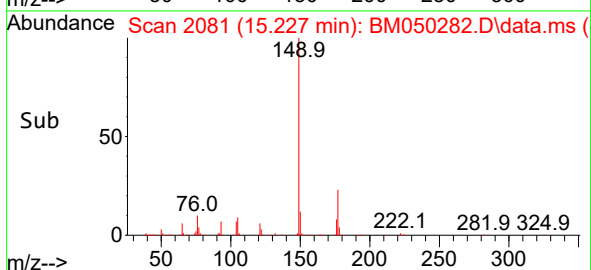
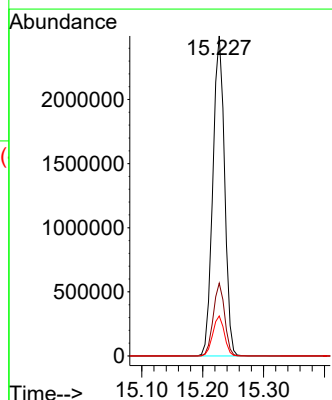
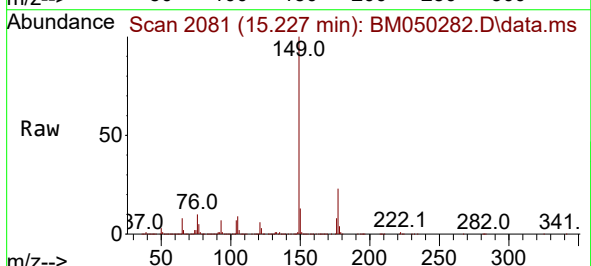
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MSD

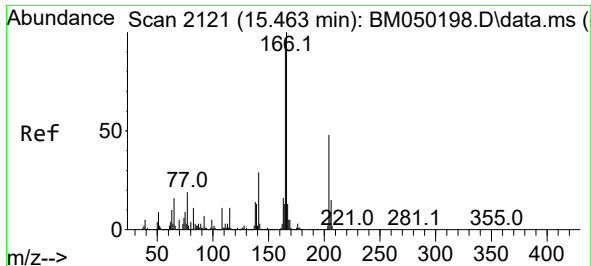
Tgt Ion:232 Resp: 902223
Ion Ratio Lower Upper
232 100
131 44.9 32.9 49.3
130 2.3 1.8 2.8
166 30.9 20.8 31.2



#60
Diethylphthalate
Concen: 51.763 ng
RT: 15.227 min Scan# 2081
Delta R.T. 0.000 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

Tgt Ion:149 Resp: 3341515
Ion Ratio Lower Upper
149 100
177 22.7 17.2 25.8
150 12.5 10.0 15.0

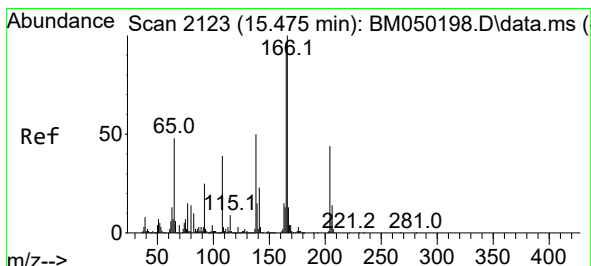
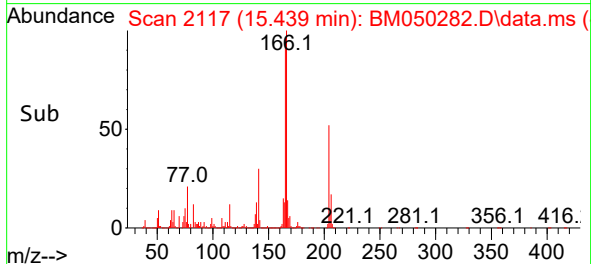
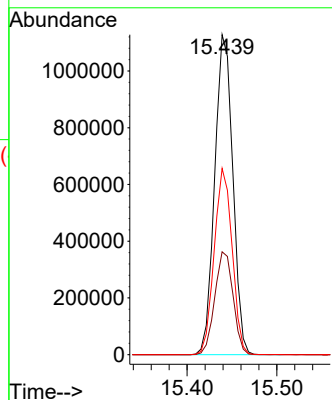
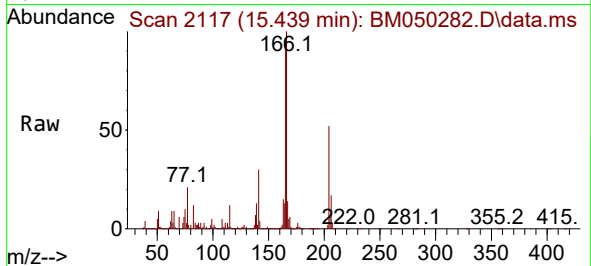




#61
4-Chlorophenyl-phenylether
Concen: 51.459 ng
RT: 15.439 min Scan# 2117
Delta R.T. -0.006 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

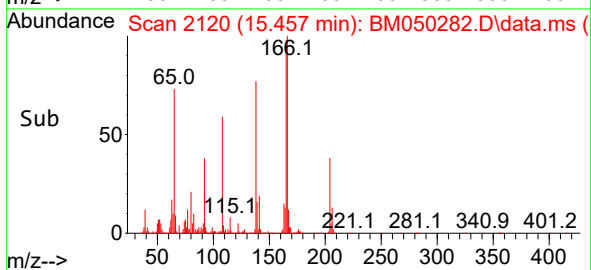
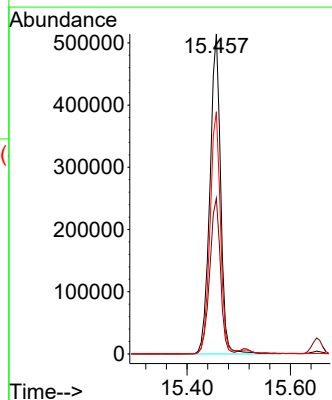
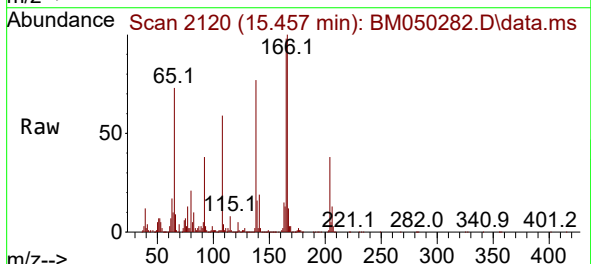
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MSD

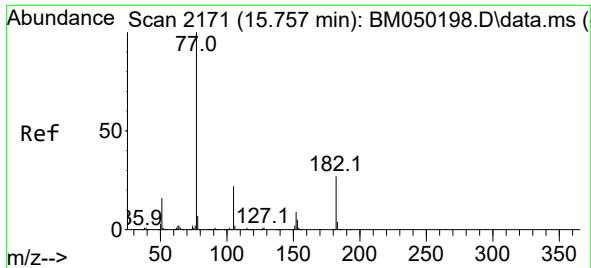
Tgt Ion:204 Resp: 1578907
Ion Ratio Lower Upper
204 100
206 32.1 25.4 38.0
141 58.2 47.9 71.9



#62
4-Nitroaniline
Concen: 53.927 ng
RT: 15.457 min Scan# 2120
Delta R.T. 0.000 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

Tgt Ion:138 Resp: 739103
Ion Ratio Lower Upper
138 100
92 48.7 28.8 68.8
108 75.7 58.1 98.1

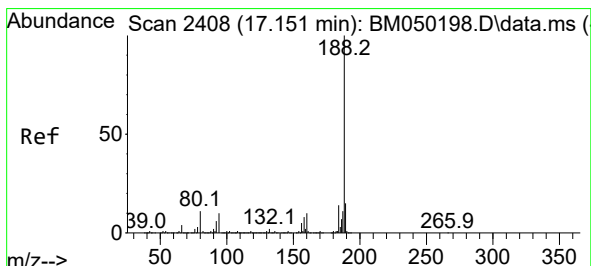
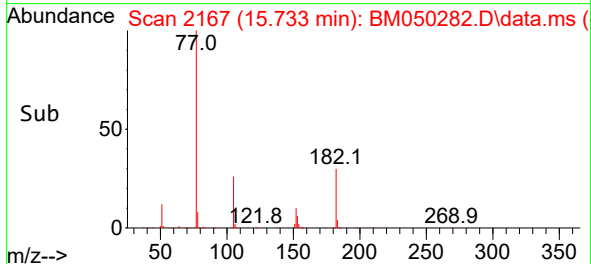
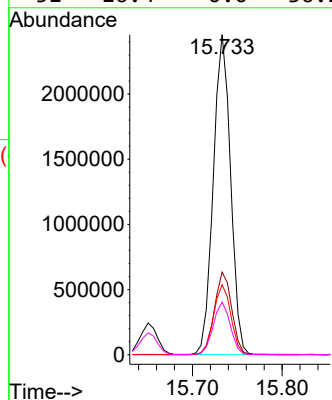
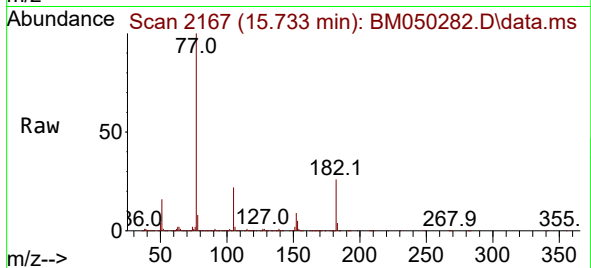




#63
Azobenzene
Concen: 50.772 ng
RT: 15.733 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

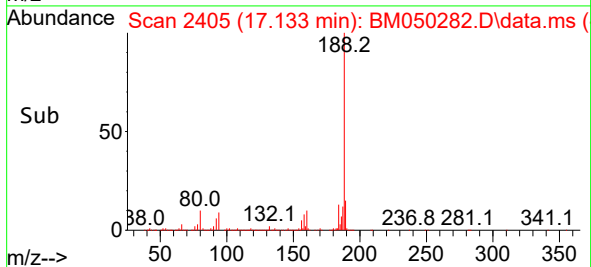
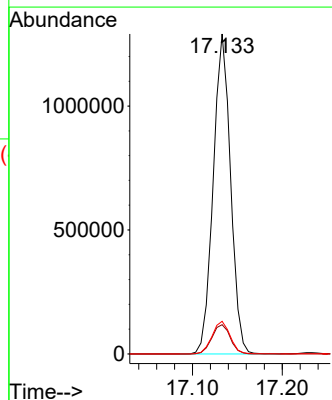
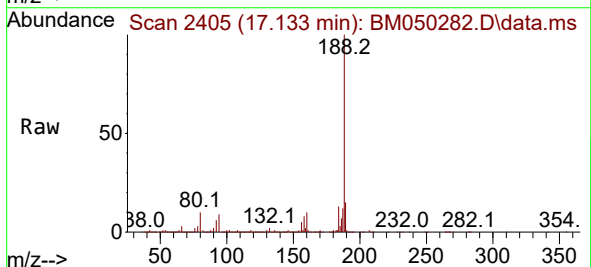
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MSD

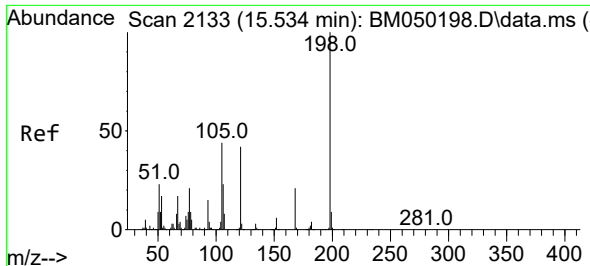
Tgt Ion: 77 Resp: 3275968
Ion Ratio Lower Upper
77 100
182 25.8 6.8 46.8
105 21.8 1.7 41.7
51 16.4 0.0 36.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.133 min Scan# 2405
Delta R.T. -0.006 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

Tgt Ion:188 Resp: 1732540
Ion Ratio Lower Upper
188 100
94 9.2 8.1 12.1
80 10.2 8.6 13.0

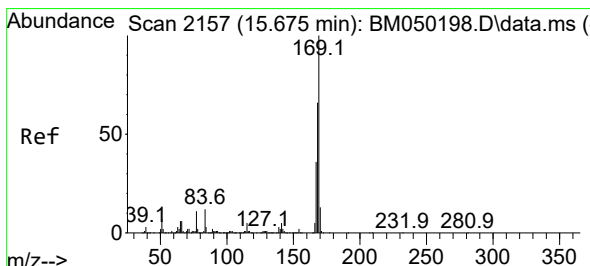
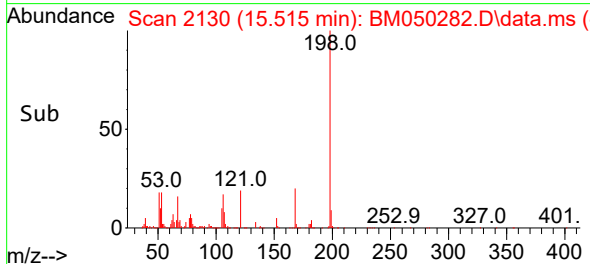
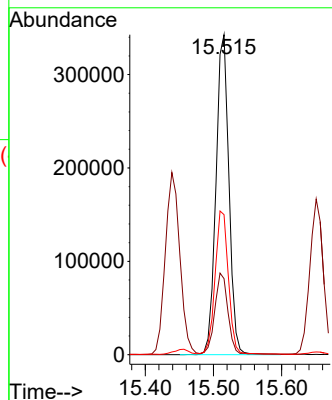
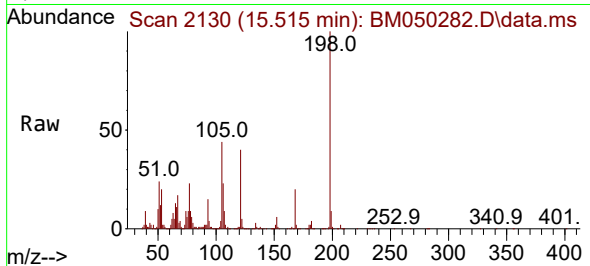




#65
4,6-Dinitro-2-methylphenol
Concen: 47.912 ng
RT: 15.515 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

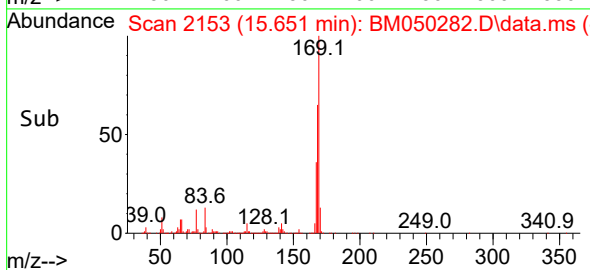
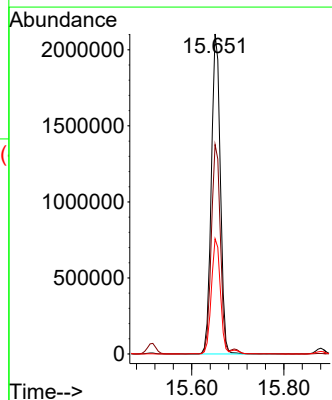
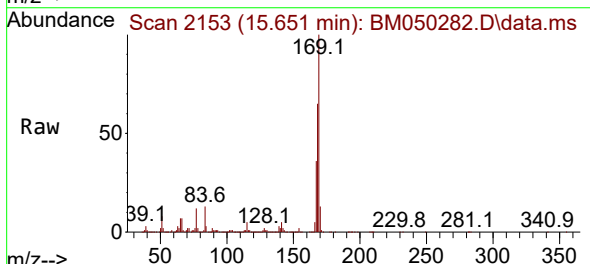
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MSD

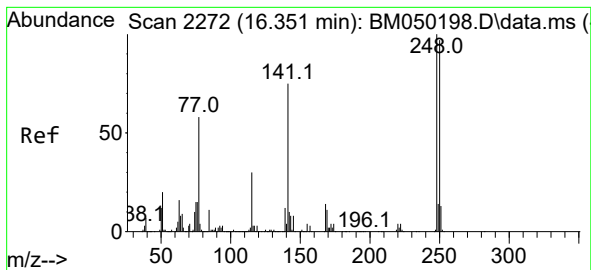
Tgt Ion:198 Resp: 453381
Ion Ratio Lower Upper
198 100
51 23.7 4.5 44.5
105 43.7 24.9 64.9



#66
n-Nitrosodiphenylamine
Concen: 52.672 ng
RT: 15.651 min Scan# 2153
Delta R.T. -0.006 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

Tgt Ion:169 Resp: 2867339
Ion Ratio Lower Upper
169 100
168 65.5 53.1 79.7
167 36.0 29.0 43.6

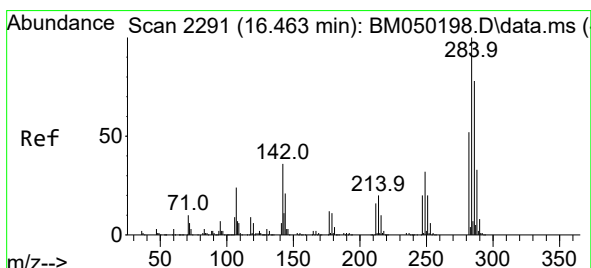
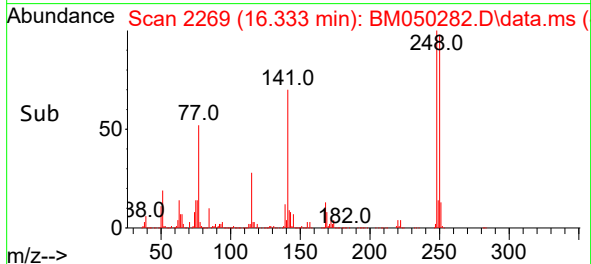
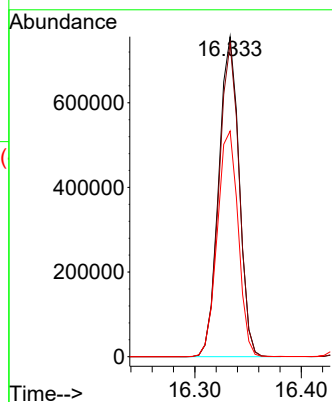
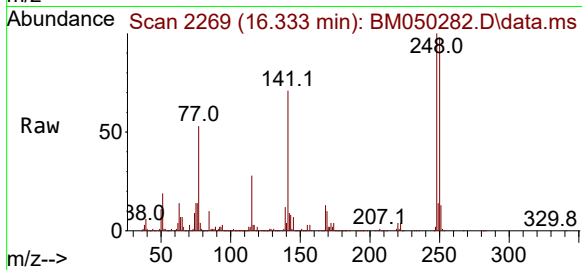




#67
4-Bromophenyl-phenylether
Concen: 54.124 ng
RT: 16.333 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

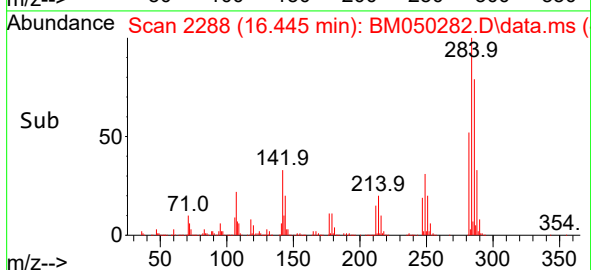
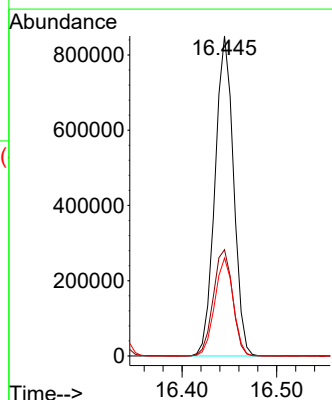
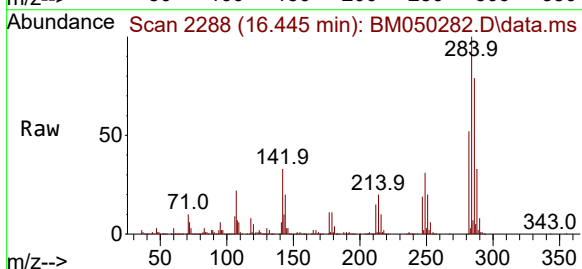
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MSD

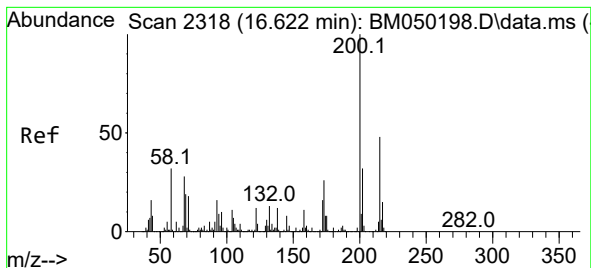
Tgt Ion:248 Resp: 999973
Ion Ratio Lower Upper
248 100
250 97.9 78.0 117.0
141 70.5 60.1 90.1



#68
Hexachlorobenzene
Concen: 53.594 ng
RT: 16.445 min Scan# 2288
Delta R.T. -0.000 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

Tgt Ion:284 Resp: 1156890
Ion Ratio Lower Upper
284 100
142 33.2 28.8 43.2
249 30.6 25.8 38.6





#69

Atrazine

Concen: 55.587 ng

RT: 16.604 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

Instrument :

BNA_M

ClientSampleId :

ARS20-0032MSD

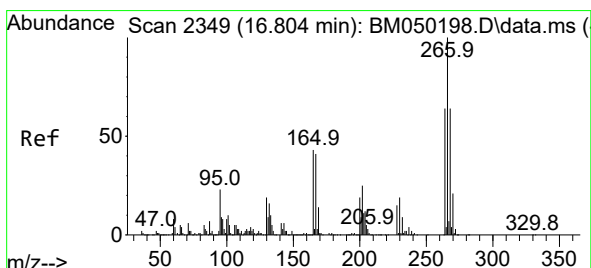
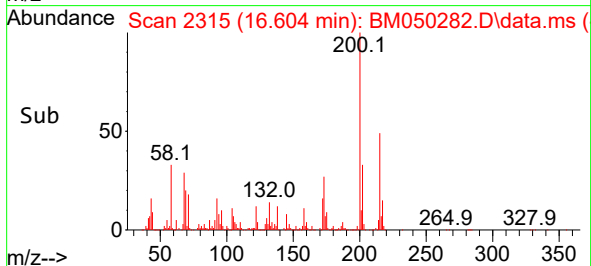
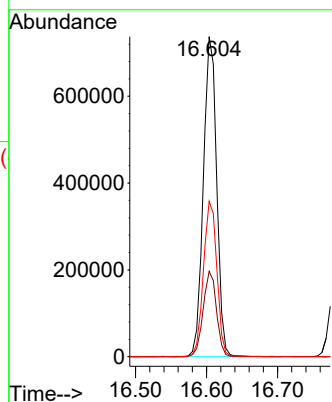
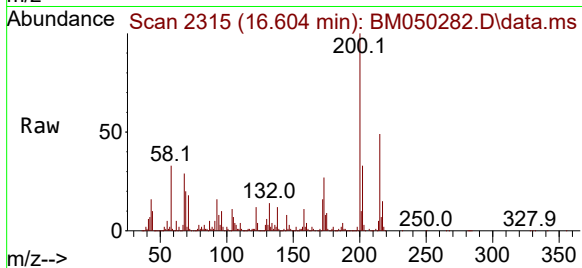
Tgt Ion:200 Resp: 964181

Ion Ratio Lower Upper

200 100

173 26.7 6.0 46.0

215 48.6 28.1 68.1



#70

Pentachlorophenol

Concen: 107.889 ng

RT: 16.786 min Scan# 2346

Delta R.T. -0.000 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

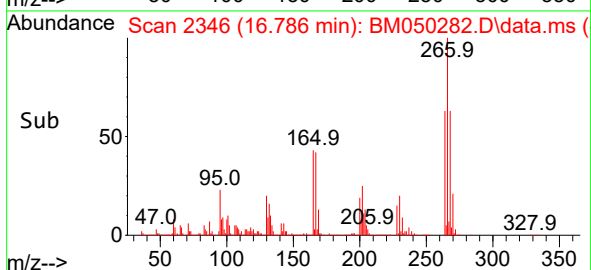
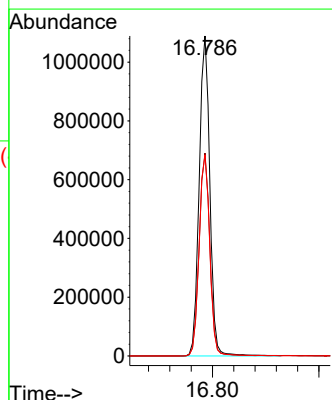
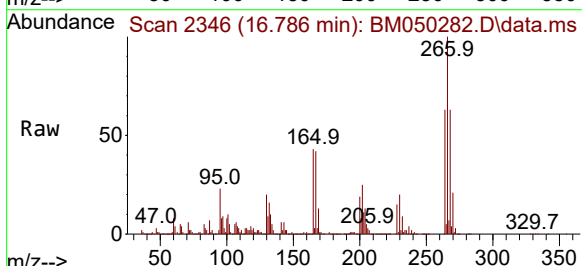
Tgt Ion:266 Resp: 1514137

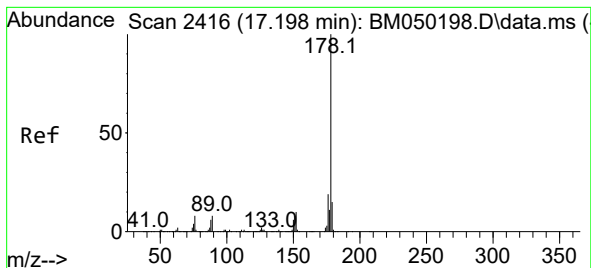
Ion Ratio Lower Upper

266 100

268 63.4 51.0 76.6

264 62.9 50.8 76.2





#71

Phenanthrene

Concen: 50.571 ng

RT: 17.174 min Scan# 2416

Delta R.T. -0.006 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

Instrument :

BNA_M

ClientSampleId :

ARS20-0032MSD

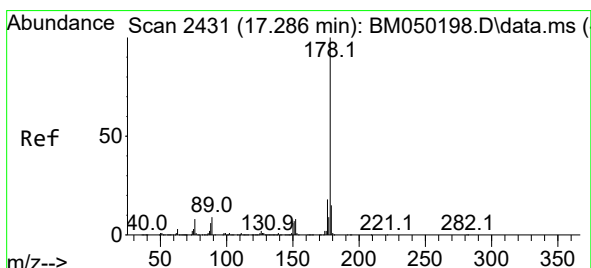
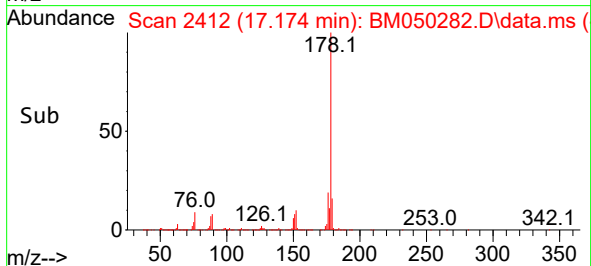
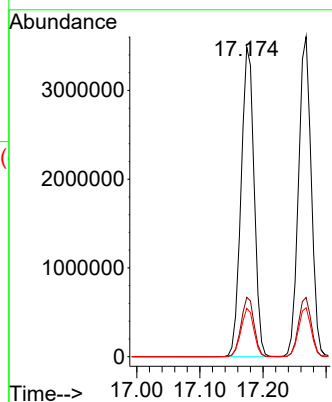
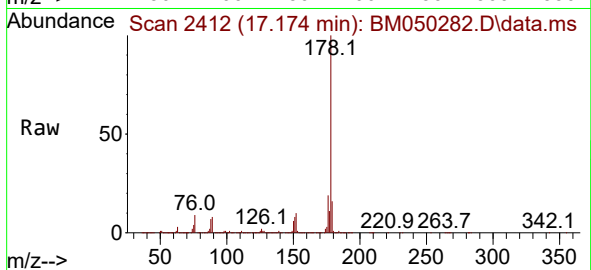
Tgt Ion:178 Resp: 5005231

Ion Ratio Lower Upper

178 100

176 19.2 15.6 23.4

179 15.6 12.3 18.5



#72

Anthracene

Concen: 51.130 ng

RT: 17.268 min Scan# 2428

Delta R.T. 0.000 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

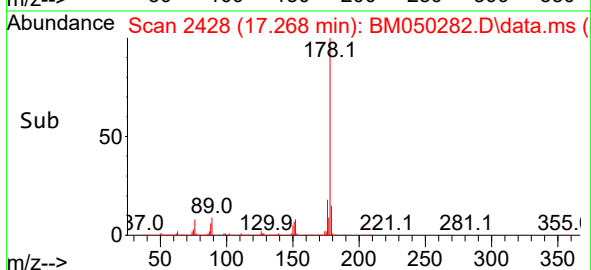
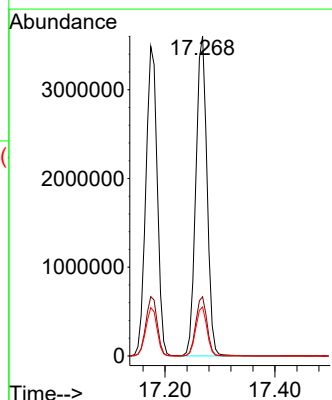
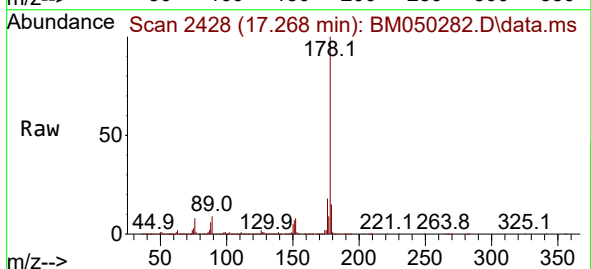
Tgt Ion:178 Resp: 5062533

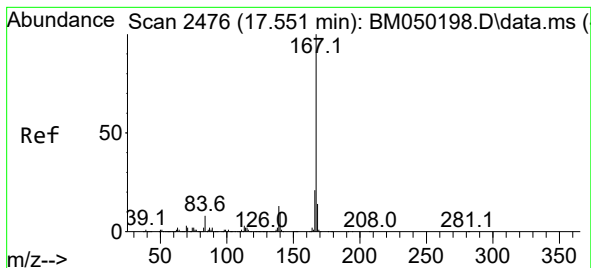
Ion Ratio Lower Upper

178 100

176 18.5 14.8 22.2

179 15.3 12.3 18.5





#73

Carbazole

Concen: 50.857 ng

RT: 17.533 min Scan# 24

Delta R.T. 0.000 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

Instrument :

BNA_M

ClientSampleId :

ARS20-0032MSD

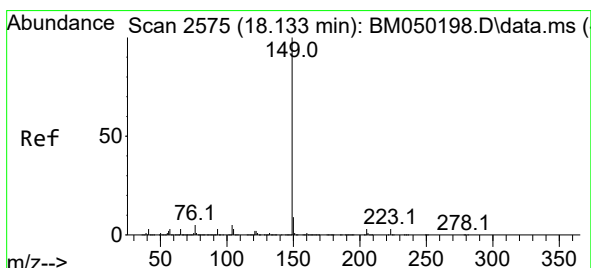
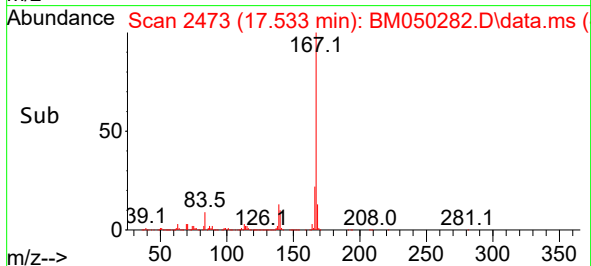
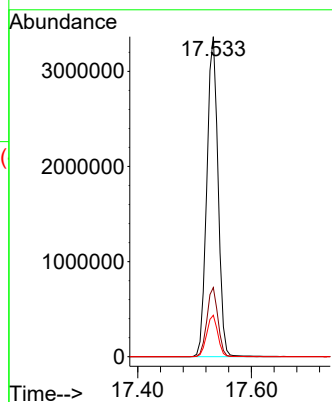
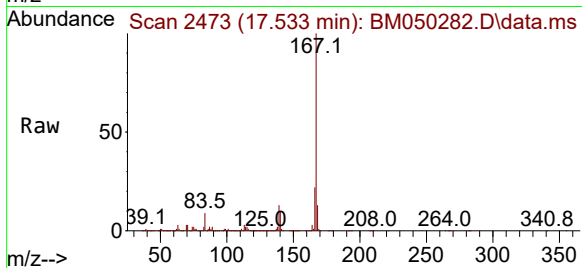
Tgt Ion:167 Resp: 4587470

Ion Ratio Lower Upper

167 100

166 21.6 17.0 25.6

139 12.9 10.2 15.4



#74

Di-n-butylphthalate

Concen: 55.962 ng

RT: 18.109 min Scan# 2571

Delta R.T. -0.006 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

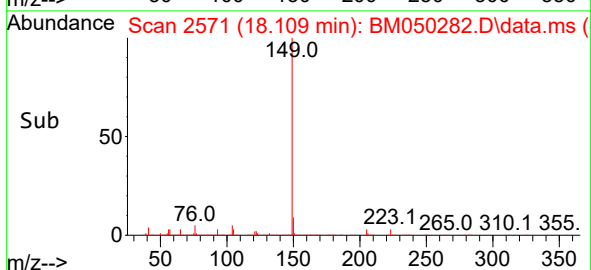
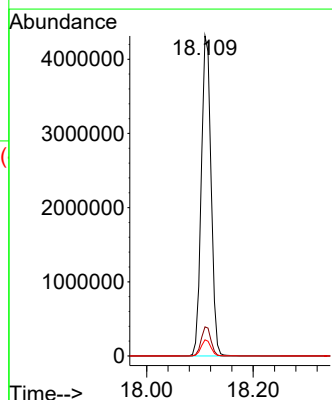
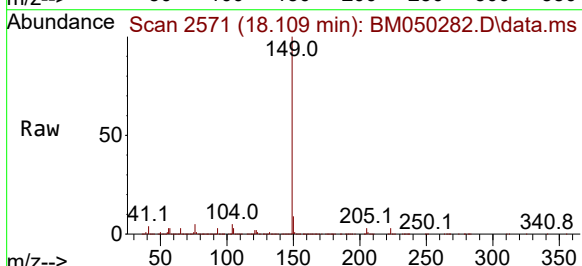
Tgt Ion:149 Resp: 5492575

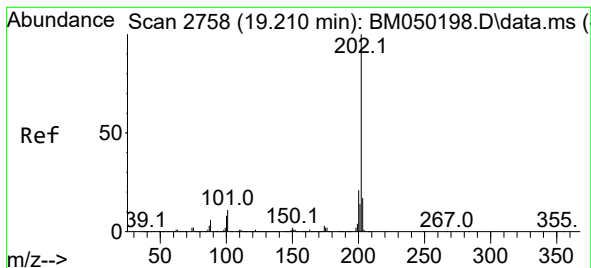
Ion Ratio Lower Upper

149 100

150 9.1 7.4 11.0

104 5.1 4.0 6.0





#75

Fluoranthene

Concen: 51.856 ng

RT: 19.192 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

Instrument :

BNA_M

ClientSampleId :

ARS20-0032MSD

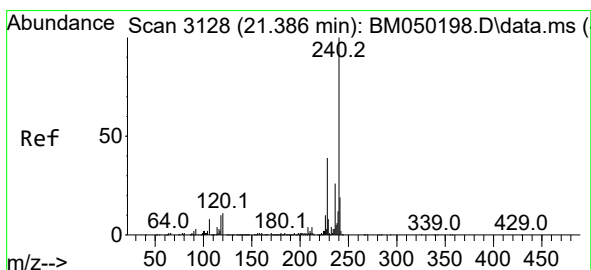
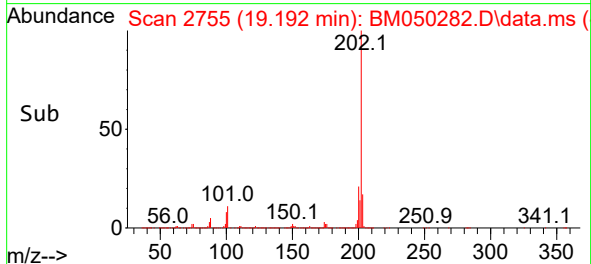
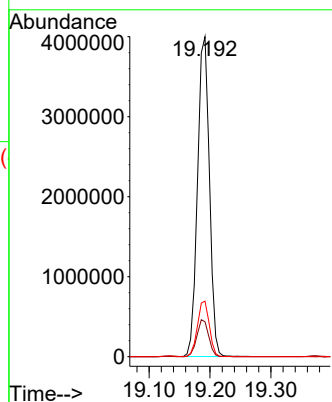
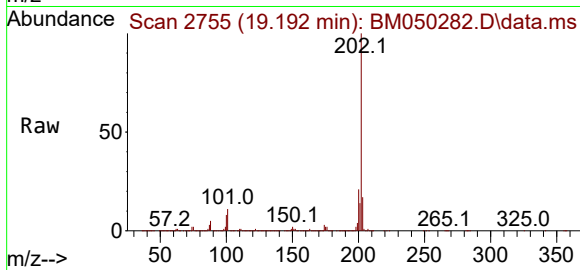
Tgt Ion:202 Resp: 5412522

Ion Ratio Lower Upper

202 100

101 10.9 0.0 31.1

203 17.4 0.0 37.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.362 min Scan# 3124

Delta R.T. -0.012 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

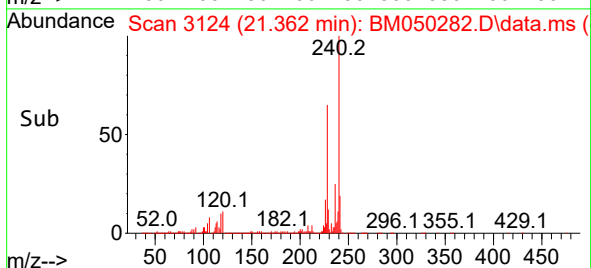
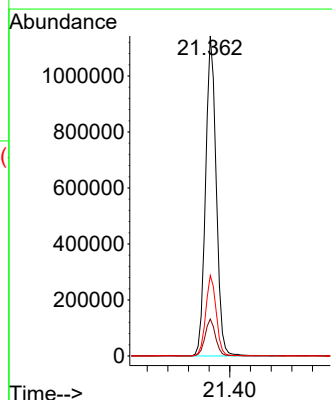
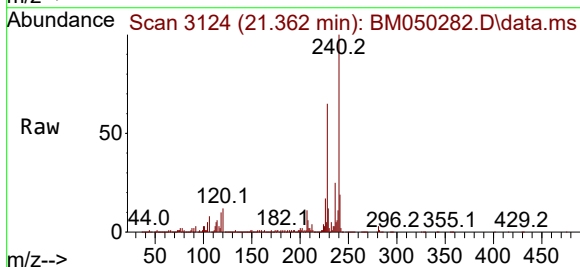
Tgt Ion:240 Resp: 1630999

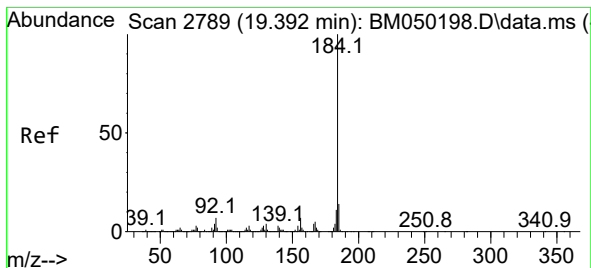
Ion Ratio Lower Upper

240 100

120 11.5 9.0 13.4

236 25.2 20.7 31.1





#77

Benzidine

Concen: 51.180 ng

RT: 19.374 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

Instrument :

BNA_M

ClientSampleId :

ARS20-0032MSD

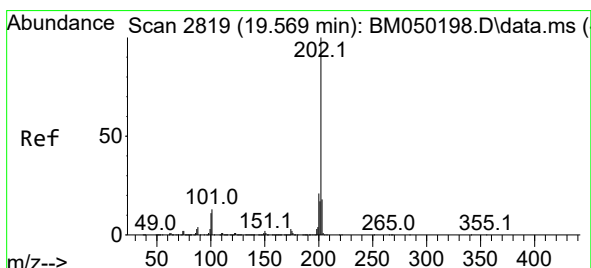
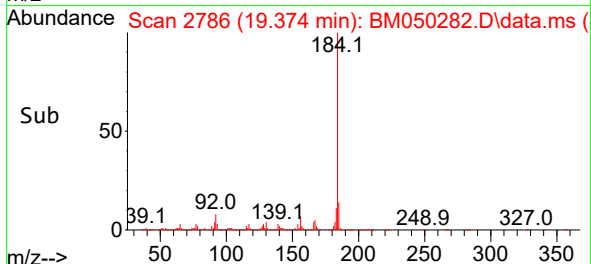
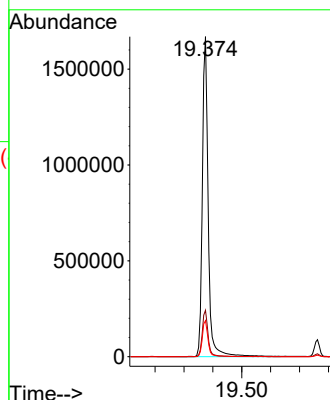
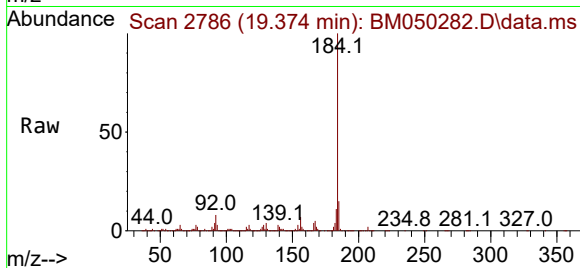
Tgt Ion:184 Resp: 2347379

Ion Ratio Lower Upper

184 100

185 14.5 11.5 17.3

183 11.2 9.0 13.4



#78

Pyrene

Concen: 51.344 ng

RT: 19.550 min Scan# 2816

Delta R.T. -0.006 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

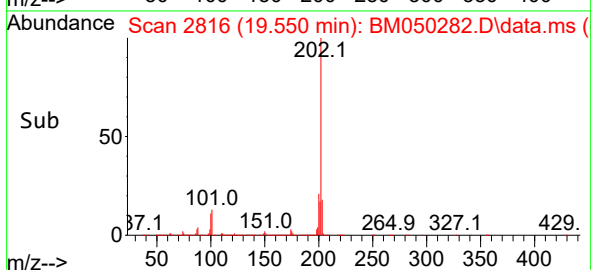
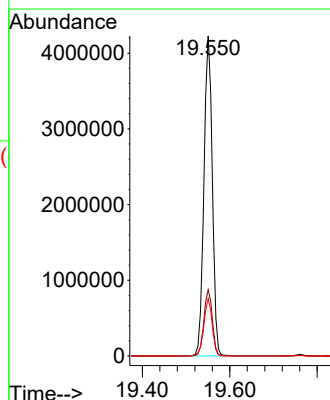
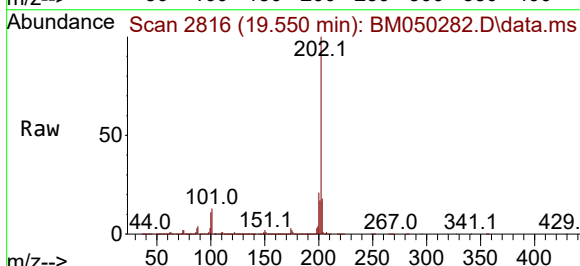
Tgt Ion:202 Resp: 5644253

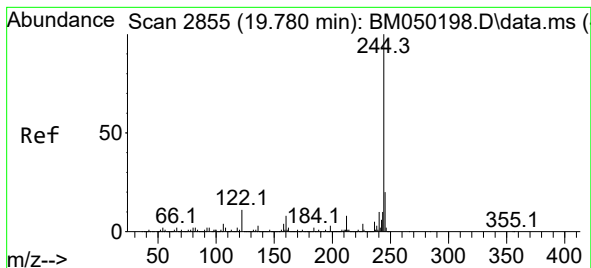
Ion Ratio Lower Upper

202 100

200 20.7 16.7 25.1

203 17.9 14.1 21.1





#79

Terphenyl-d14

Concen: 88.453 ng

RT: 19.762 min Scan# 2

Delta R.T. -0.006 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

Instrument :

BNA_M

ClientSampleId :

ARS20-0032MSD

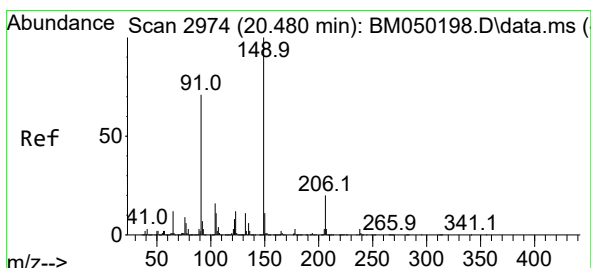
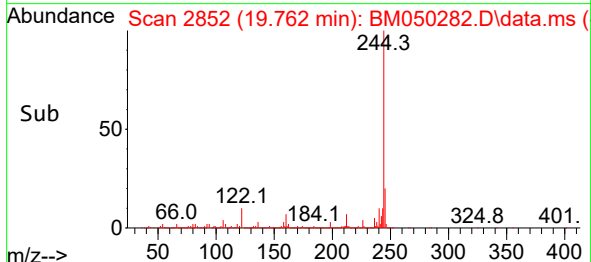
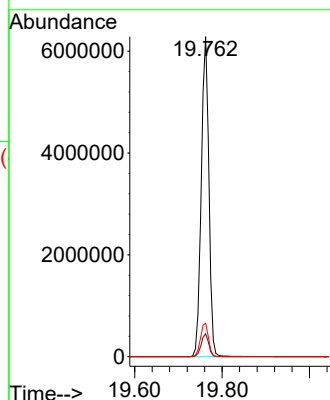
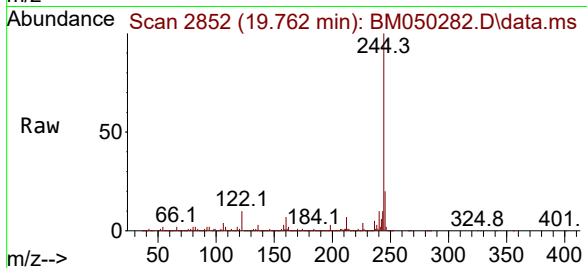
Tgt Ion:244 Resp: 7612920

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

122 10.4 8.6 12.8



#80

Butylbenzylphthalate

Concen: 59.918 ng

RT: 20.462 min Scan# 2971

Delta R.T. -0.006 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

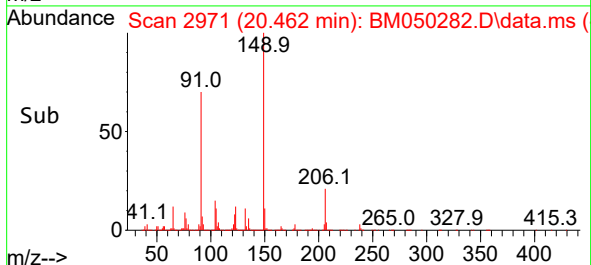
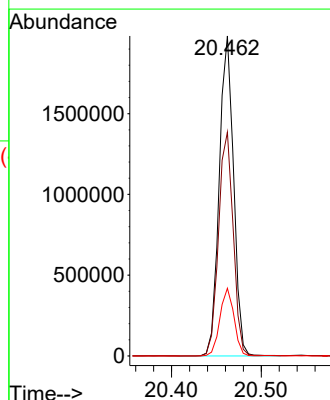
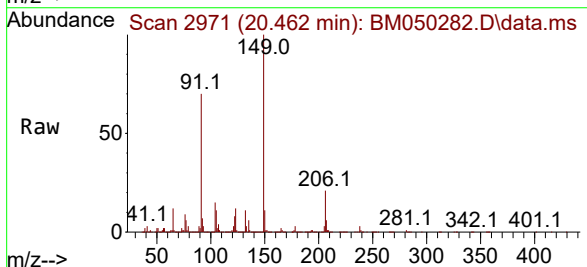
Tgt Ion:149 Resp: 2197120

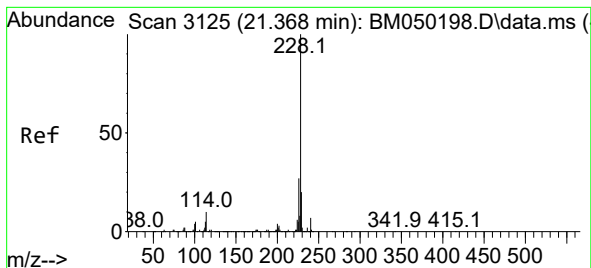
Ion Ratio Lower Upper

149 100

91 69.9 56.9 85.3

206 21.1 16.1 24.1





#81

Benzo(a)anthracene

Concen: 51.707 ng

RT: 21.344 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

Instrument :

BNA_M

ClientSampleId :

ARS20-0032MSD

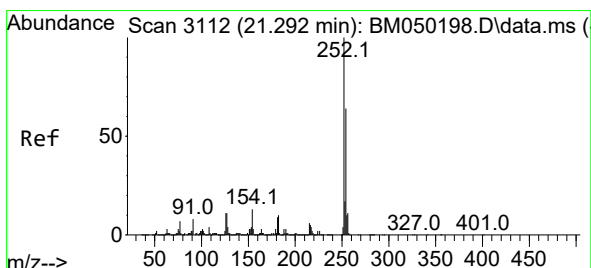
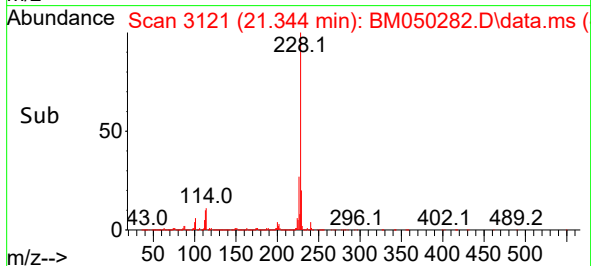
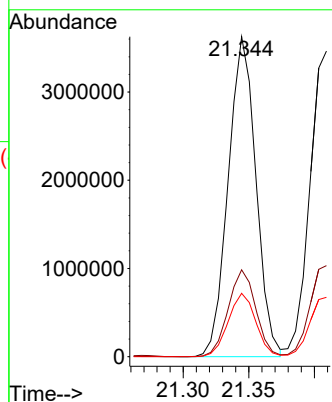
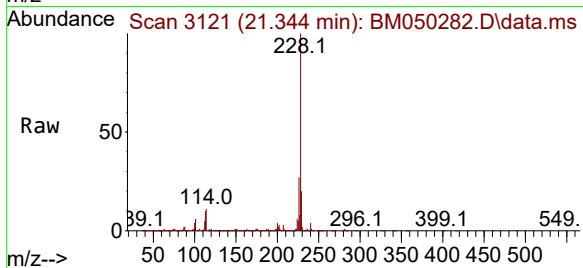
Tgt Ion:228 Resp: 5337943

Ion Ratio Lower Upper

228 100

226 27.1 21.7 32.5

229 19.8 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 39.632 ng

RT: 21.268 min Scan# 3108

Delta R.T. -0.006 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

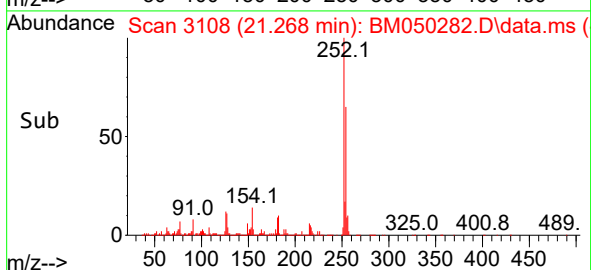
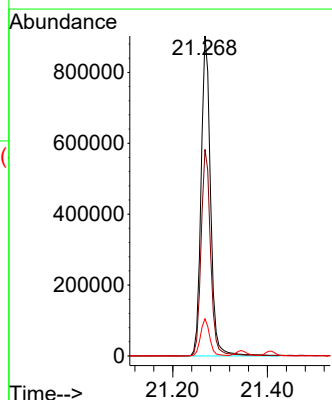
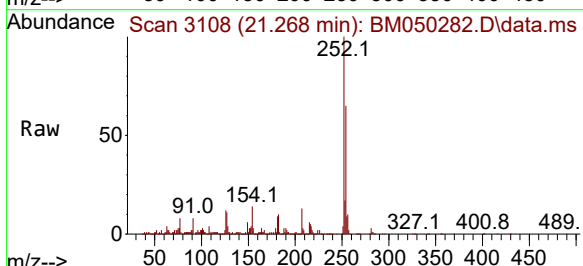
Tgt Ion:252 Resp: 1247674

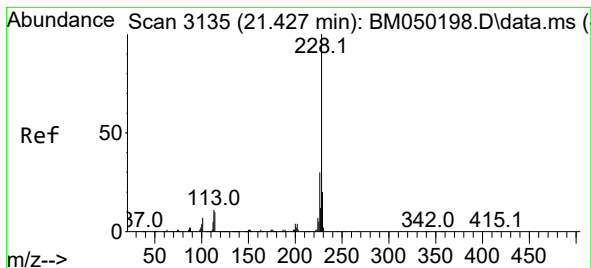
Ion Ratio Lower Upper

252 100

254 64.5 51.4 77.0

126 11.6 8.6 12.8





#83

Chrysene

Concen: 51.840 ng

RT: 21.409 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

Instrument :

BNA_M

ClientSampleId :

ARS20-0032MSD

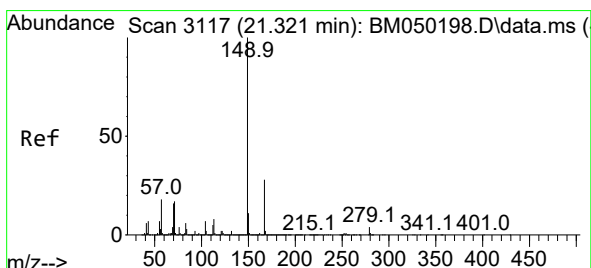
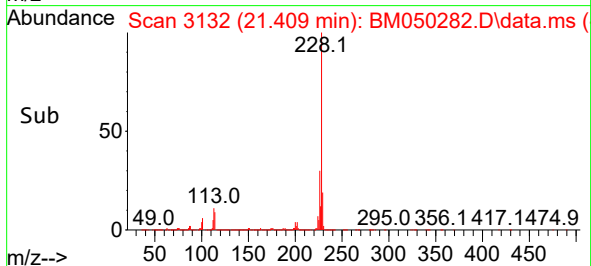
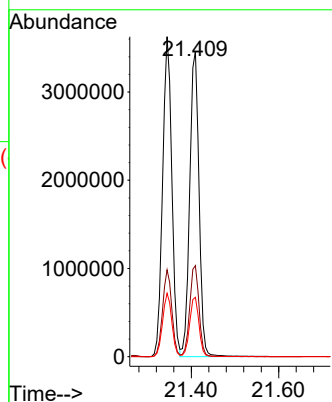
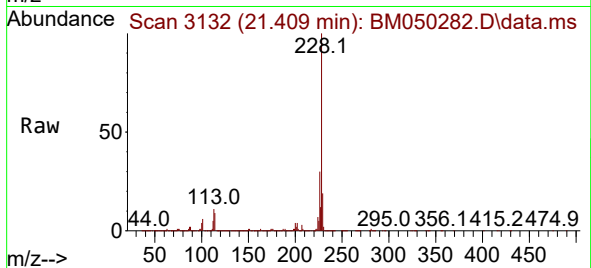
Tgt Ion:228 Resp: 5090634

Ion Ratio Lower Upper

228 100

226 29.8 24.3 36.5

229 19.4 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 59.549 ng

RT: 21.292 min Scan# 3112

Delta R.T. -0.012 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

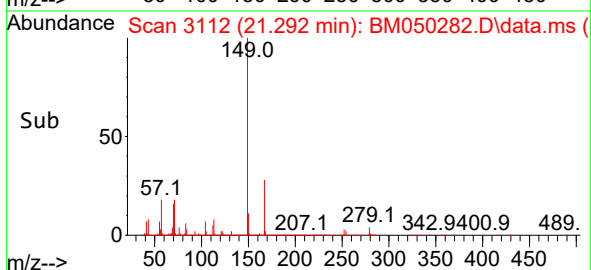
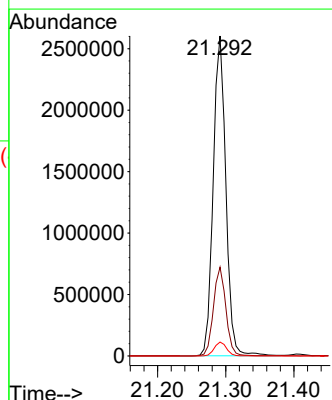
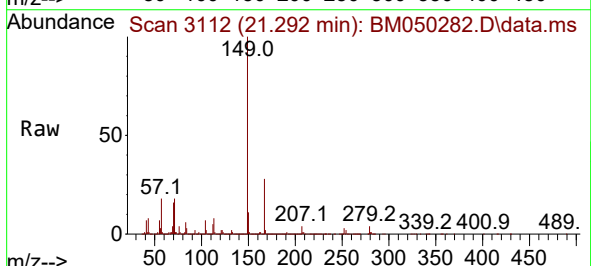
Tgt Ion:149 Resp: 3363446

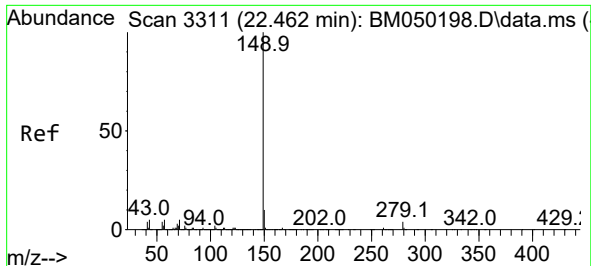
Ion Ratio Lower Upper

149 100

167 27.7 22.3 33.5

279 4.4 3.5 5.3

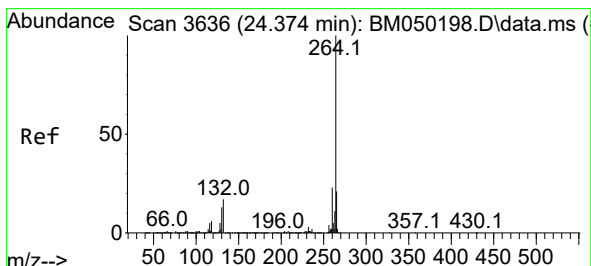
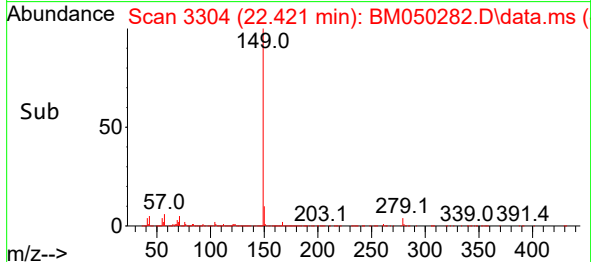
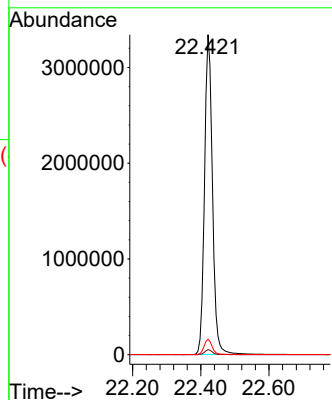
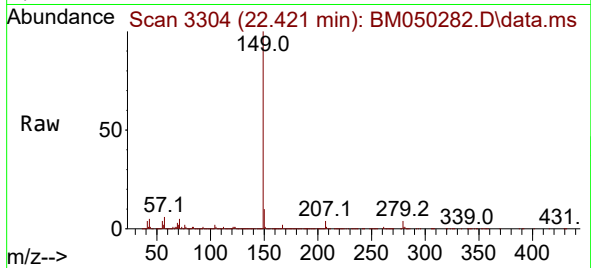




#85
Di-n-octyl phthalate
Concen: 64.674 ng
RT: 22.421 min Scan# 311
Delta R.T. -0.018 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

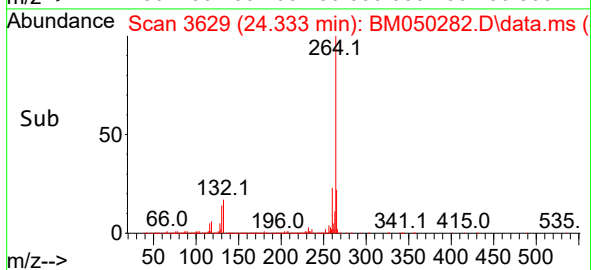
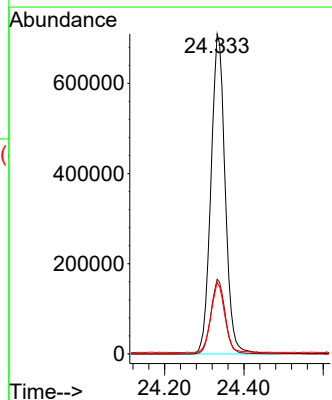
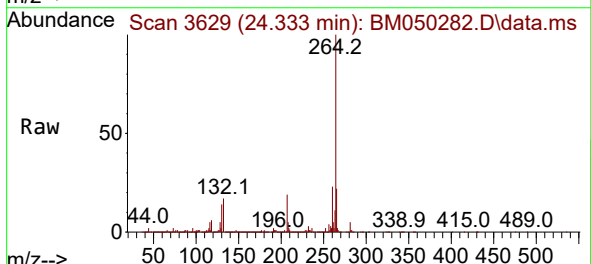
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MSD

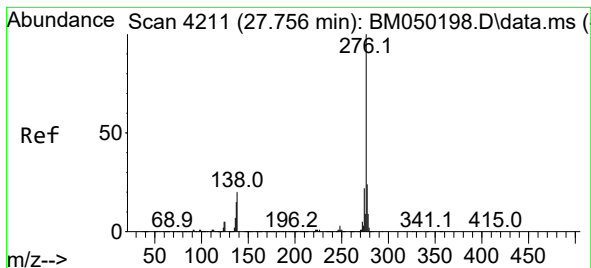
Tgt Ion:149 Resp: 5420515
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 5.0 3.8 5.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.333 min Scan# 3629
Delta R.T. -0.012 min
Lab File: BM050282.D
Acq: 11 Jun 2025 20:02

Tgt Ion:264 Resp: 1766581
Ion Ratio Lower Upper
264 100
260 23.3 18.6 28.0
265 22.3 16.8 25.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 58.782 ng

RT: 27.691 min Scan# 41

Delta R.T. -0.018 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

Instrument :

BNA_M

ClientSampleId :

ARS20-0032MSD

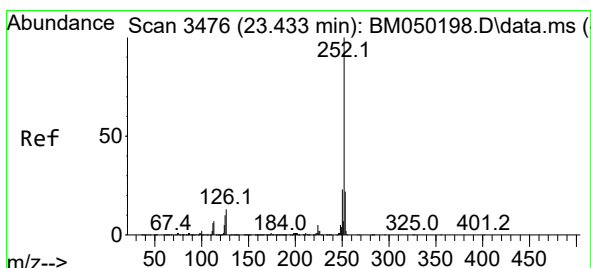
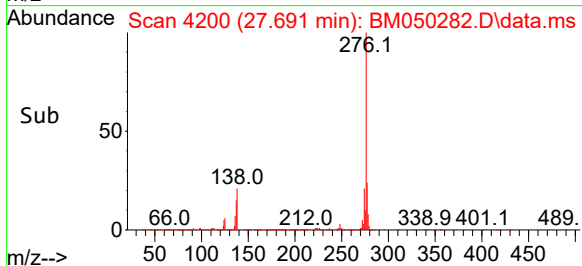
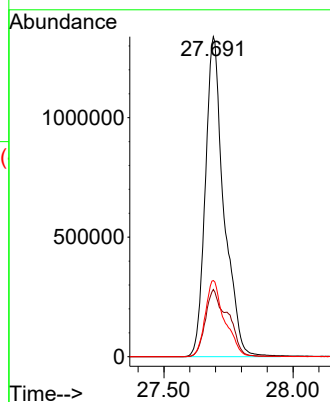
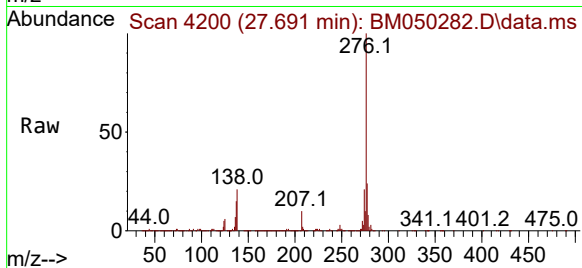
Tgt Ion:276 Resp: 6686247

Ion Ratio Lower Upper

276 100

138 25.6 20.6 30.8

277 24.9 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 52.980 ng

RT: 23.403 min Scan# 3471

Delta R.T. -0.006 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

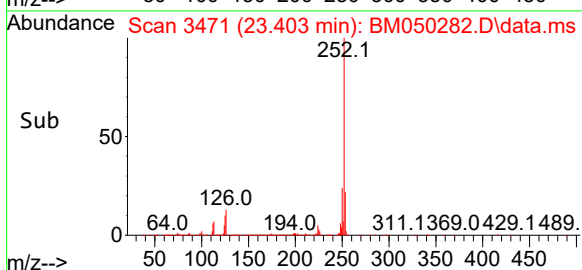
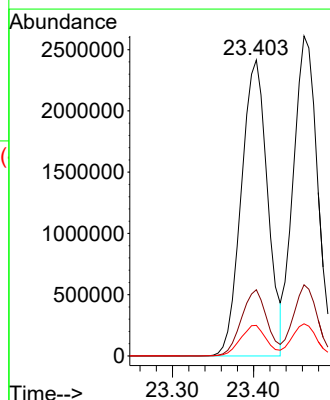
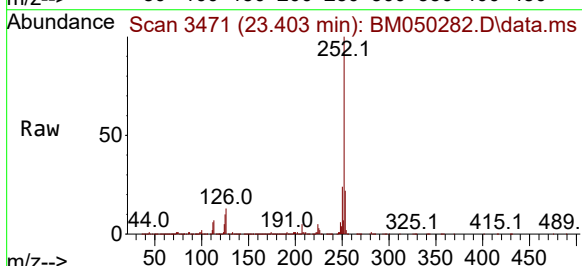
Tgt Ion:252 Resp: 5441573

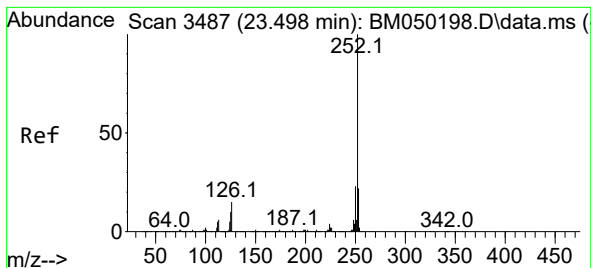
Ion Ratio Lower Upper

252 100

253 22.4 17.2 25.8

125 10.3 8.2 12.4





#89

Benzo(k)fluoranthene

Concen: 52.274 ng

RT: 23.462 min Scan# 34

Delta R.T. -0.012 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

Instrument :

BNA_M

ClientSampleId :

ARS20-0032MSD

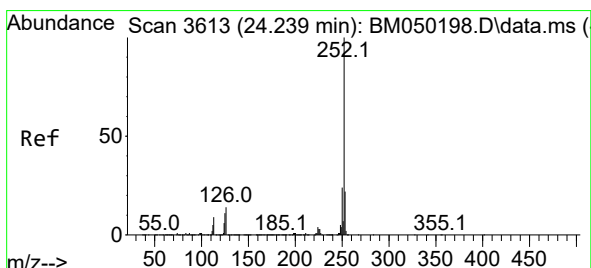
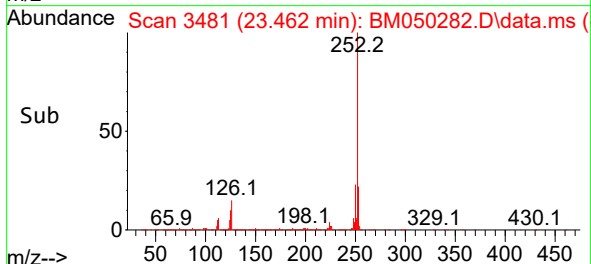
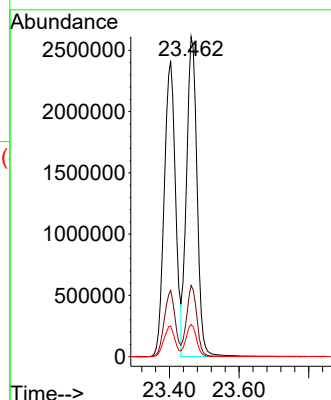
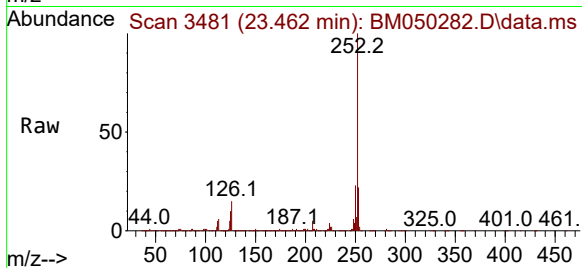
Tgt Ion:252 Resp: 5481028

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.2

125 10.0 8.2 12.4



#90

Benzo(a)pyrene

Concen: 54.112 ng

RT: 24.197 min Scan# 3606

Delta R.T. -0.012 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

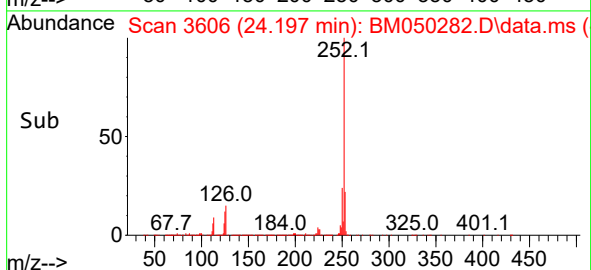
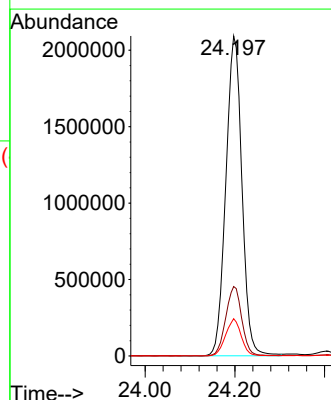
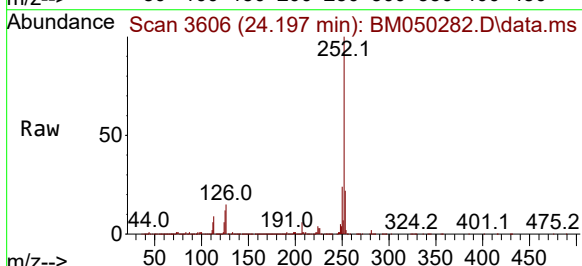
Tgt Ion:252 Resp: 5225589

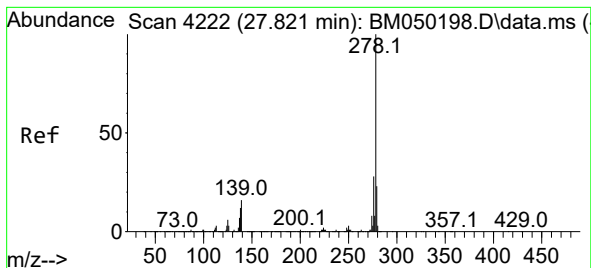
Ion Ratio Lower Upper

252 100

253 21.7 17.6 26.4

125 11.6 9.0 13.4





#91

Dibenzo(a,h)anthracene

Concen: 58.916 ng

RT: 27.756 min Scan# 41

Delta R.T. -0.012 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

Instrument :

BNA_M

ClientSampleId :

ARS20-0032MSD

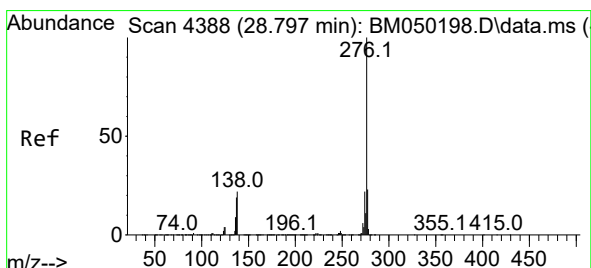
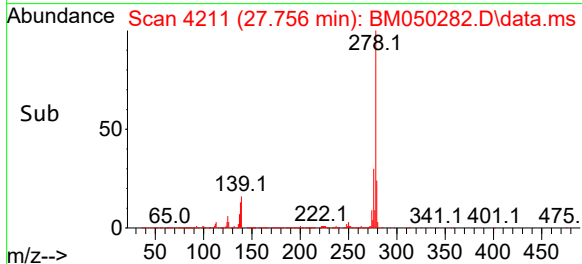
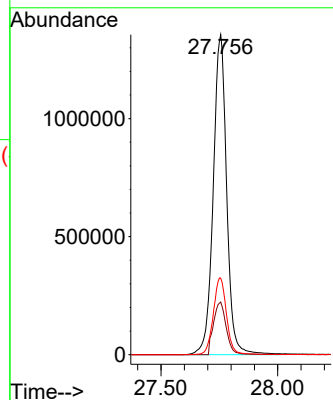
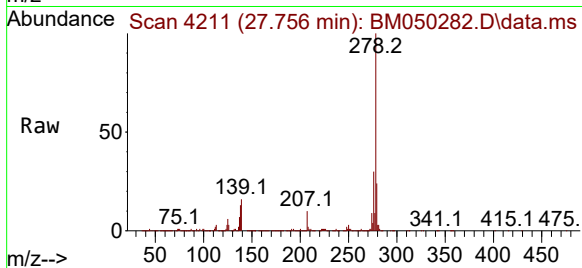
Tgt Ion:278 Resp: 5439587

Ion Ratio Lower Upper

278 100

139 16.5 12.8 19.2

279 23.9 18.6 28.0



#92

Benzo(g,h,i)perylene

Concen: 58.996 ng

RT: 28.738 min Scan# 4378

Delta R.T. -0.012 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

Tgt Ion:276 Resp: 5451723

Ion Ratio Lower Upper

276 100

277 23.6 18.6 27.8

138 21.7 17.8 26.6

