

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061125\
 Data File : BM050281.D
 Acq On : 11 Jun 2025 19:23
 Operator : RC/JU
 Sample : Q2262-02MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ARS20-0032MS

Quant Time: Jun 12 02:55:16 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	381437	20.000	ng	0.00
21) Naphthalene-d8	10.552	136	1477946	20.000	ng	0.00
39) Acenaphthene-d10	14.398	164	832888	20.000	ng	0.00
64) Phenanthrene-d10	17.133	188	1533181	20.000	ng	0.00
76) Chrysene-d12	21.363	240	1635520	20.000	ng	-0.01
86) Perylene-d12	24.339	264	1800704	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.358	112	2905876	127.083	ng	0.00
7) Phenol-d6	6.934	99	3331582	110.680	ng	0.00
23) Nitrobenzene-d5	8.916	82	2498382	87.917	ng	0.00
42) 2,4,6-Tribromophenol	15.881	330	1389599	146.683	ng	0.00
45) 2-Fluorobiphenyl	13.022	172	5133962	83.452	ng	0.00
79) Terphenyl-d14	19.763	244	7270187	84.237	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.293	88	396272	39.536	ng	96
3) Pyridine	3.681	79	1034304	39.848	ng	97
4) n-Nitrosodimethylamine	3.581	42	243494	45.366	ng	98
6) Aniline	7.093	93	1095017	27.518	ng	97
8) 2-Chlorophenol	7.334	128	1202517	47.811	ng	99
9) Benzaldehyde	6.905	77	471853	24.656	ng	97
10) Phenol	6.964	94	1290381	40.516	ng	99
11) bis(2-Chloroethyl)ether	7.193	93	1233025	48.133	ng	97
12) 1,3-Dichlorobenzene	7.658	146	1247191	44.356	ng	99
13) 1,4-Dichlorobenzene	7.799	146	1286585	43.978	ng	99
14) 1,2-Dichlorobenzene	8.116	146	1241606	44.519	ng	99
15) Benzyl Alcohol	8.005	79	1015345	47.294	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.293	45	916949	51.527	ng	96
17) 2-Methylphenol	8.205	107	957148	45.548	ng	99
18) Hexachloroethane	8.846	117	488649	46.122	ng	98
19) n-Nitroso-di-n-propyla...	8.575	70	878671	47.701	ng	99
20) 3+4-Methylphenols	8.528	107	1238063	44.036	ng	98
22) Acetophenone	8.581	105	1768877	47.907	ng	99
24) Nitrobenzene	8.958	77	1313025	50.803	ng	98
25) Isophorone	9.487	82	2417171	49.281	ng	99
26) 2-Nitrophenol	9.663	139	562457	50.416	ng	96
27) 2,4-Dimethylphenol	9.734	122	1101040	48.033	ng	100
28) bis(2-Chloroethoxy)met...	9.969	93	1601977	49.996	ng	100
29) 2,4-Dichlorophenol	10.199	162	1043557	49.195	ng	99
30) 1,2,4-Trichlorobenzene	10.416	180	1127946	47.784	ng	99
31) Naphthalene	10.604	128	3677240	48.123	ng	100
32) Benzoic acid	9.846	122	462859	32.130	ng	98
33) 4-Chloroaniline	10.710	127	412783	12.671	ng	98
34) Hexachlorobutadiene	10.899	225	653301	46.529	ng	100
35) Caprolactam	11.481	113	246773	36.694	ng	89
36) 4-Chloro-3-methylphenol	11.834	107	1089291	48.124	ng	99
37) 2-Methylnaphthalene	12.216	142	2247679	48.759	ng	98
38) 1-Methylnaphthalene	12.434	142	2355768	48.148	ng	99
40) 1,2,4,5-Tetrachloroben...	12.587	216	1202884	50.015	ng	99
41) Hexachlorocyclopentadiene	12.575	237	1431195	97.987	ng	99
43) 2,4,6-Trichlorophenol	12.822	196	804145	50.844	ng	99

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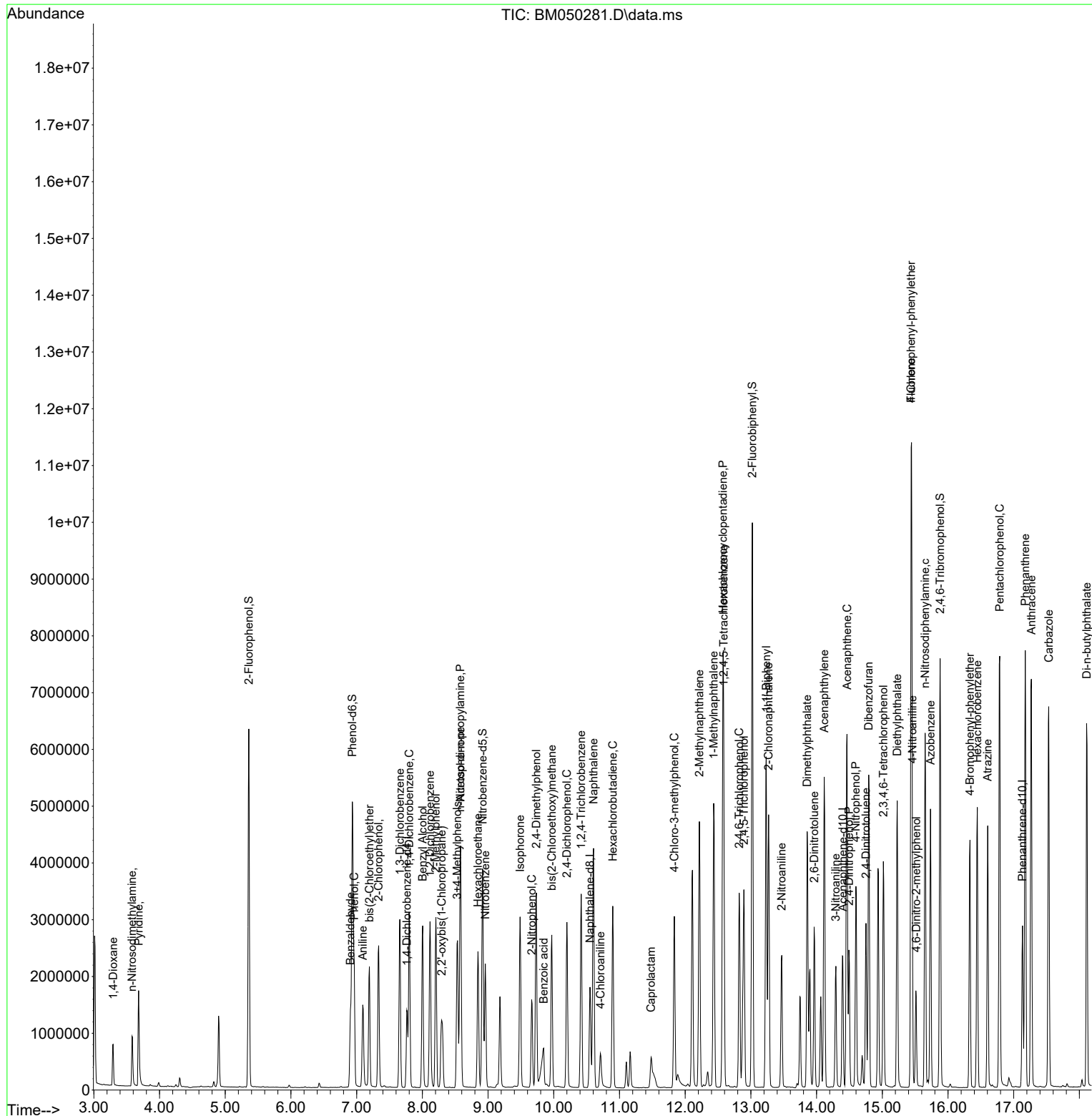
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.893	196	894325	51.501	ng	98
46) 1,1'-Biphenyl	13.234	154	3101685	49.734	ng	99
47) 2-Chloronaphthalene	13.269	162	2385063	49.191	ng	99
48) 2-Nitroaniline	13.469	65	623778	58.462	ng	97
49) Acenaphthylene	14.116	152	3903918	49.781	ng	100
50) Dimethylphthalate	13.857	163	2869243	50.938	ng	99
51) 2,6-Dinitrotoluene	13.963	165	609948	53.695	ng	91
52) Acenaphthene	14.463	154	2587392m	52.749	ng	
53) 3-Nitroaniline	14.292	138	586692	46.341	ng	100
54) 2,4-Dinitrophenol	14.492	184	514389	76.398	ng	96
55) Dibenzofuran	14.792	168	3595883	50.109	ng	99
56) 4-Nitrophenol	14.598	139	1069374	99.241	ng	99
57) 2,4-Dinitrotoluene	14.751	165	855637	57.101	ng	97
58) Fluorene	15.439	166	2776488	50.515	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.016	232	779081	51.856	ng	92
60) Diethylphthalate	15.228	149	2928033	52.390	ng	99
61) 4-Chlorophenyl-phenyle...	15.439	204	1356051	51.048	ng	99
62) 4-Nitroaniline	15.457	138	661481	55.746	ng	98
63) Azobenzene	15.734	77	2927296	52.402	ng	98
65) 4,6-Dinitro-2-methylph...	15.516	198	390583	46.642	ng	99
66) n-Nitrosodiphenylamine	15.651	169	2482051	51.523	ng	100
67) 4-Bromophenyl-phenylether	16.334	248	863779	52.832	ng	97
68) Hexachlorobenzene	16.445	284	999682	52.333	ng	96
69) Atrazine	16.604	200	850445	55.405	ng	100
70) Pentachlorophenol	16.786	266	1357499	109.305	ng	100
71) Phenanthrene	17.175	178	4495995	51.333	ng	100
72) Anthracene	17.269	178	4526663	51.662	ng	100
73) Carbazole	17.533	167	4226897	52.953	ng	100
74) Di-n-butylphthalate	18.110	149	4960269	57.110	ng	100
75) Fluoranthene	19.192	202	5018430	54.333	ng	99
77) Benzidine	19.375	184	2297747	49.960	ng	100
78) Pyrene	19.551	202	5327195	48.326	ng	100
80) Butylbenzylphthalate	20.463	149	2094450	56.960	ng	99
81) Benzo(a)anthracene	21.345	228	5308290	51.277	ng	99
82) 3,3'-Dichlorobenzidine	21.269	252	1212488	38.408	ng	98
83) Chrysene	21.410	228	5068603	51.473	ng	100
84) Bis(2-ethylhexyl)phtha...	21.292	149	3299129	58.248	ng	99
85) Di-n-octyl phthalate	22.427	149	5326928	63.381	ng	100
87) Indeno(1,2,3-cd)pyrene	27.697	276	6568942	56.657	ng	100
88) Benzo(b)fluoranthene	23.404	252	5398393	51.564	ng	100
89) Benzo(k)fluoranthene	23.468	252	5546796	51.899	ng	100
90) Benzo(a)pyrene	24.204	252	5246501	53.300	ng	100
91) Dibenzo(a,h)anthracene	27.756	278	5378627	57.151	ng	99
92) Benzo(g,h,i)perylene	28.739	276	5412386	57.460	ng	100

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

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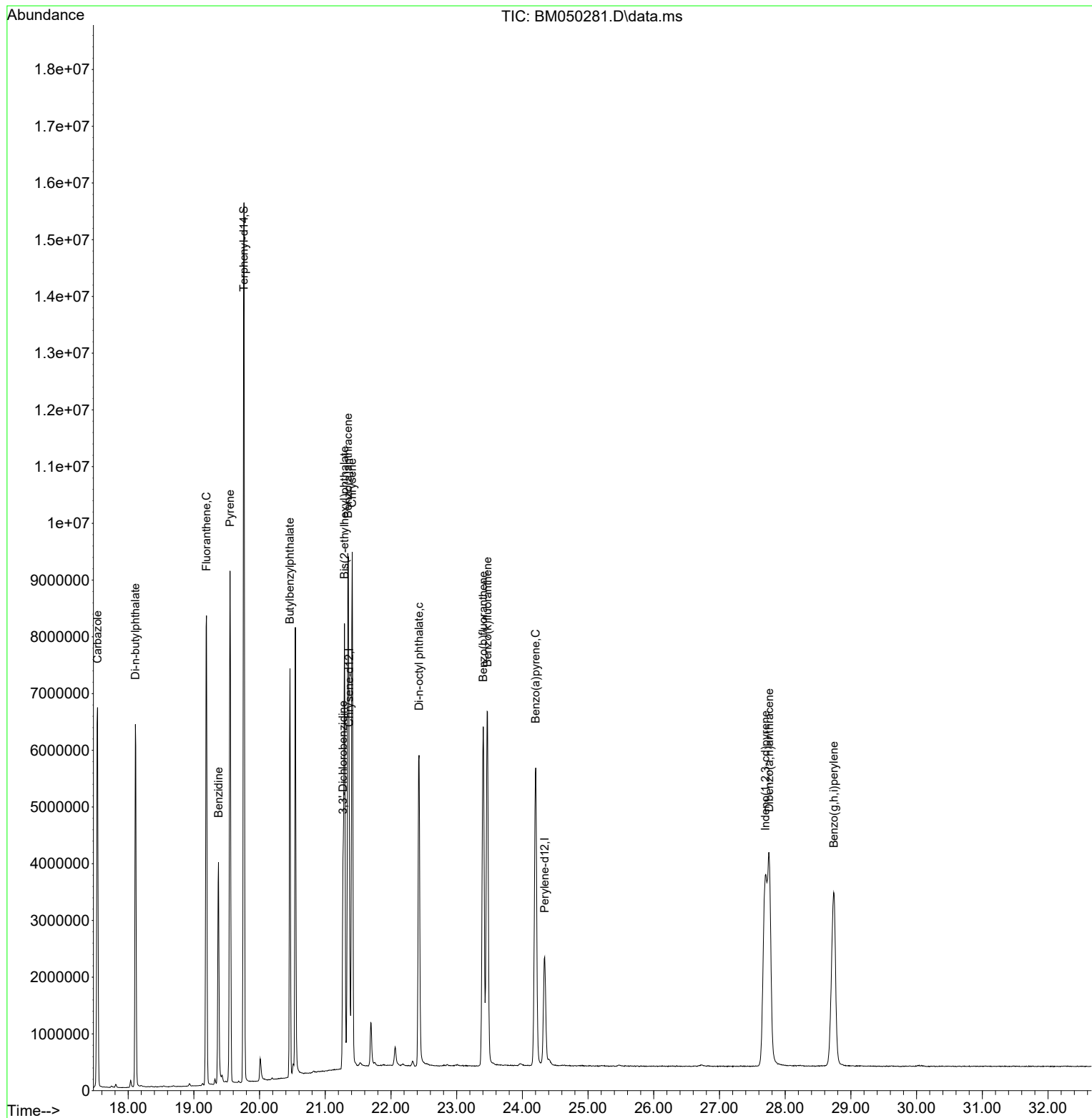
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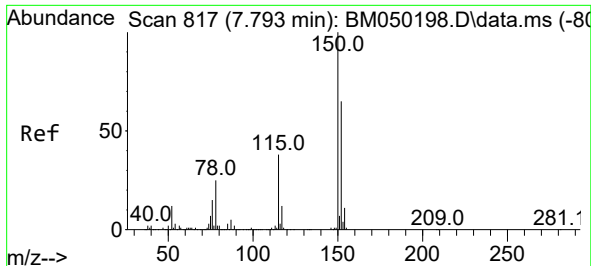


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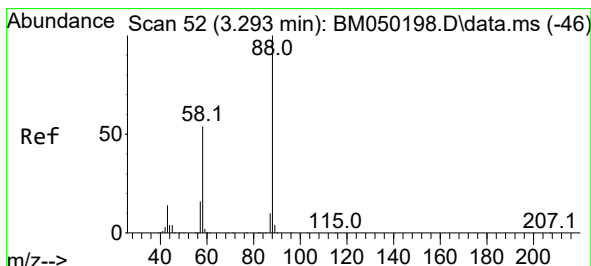
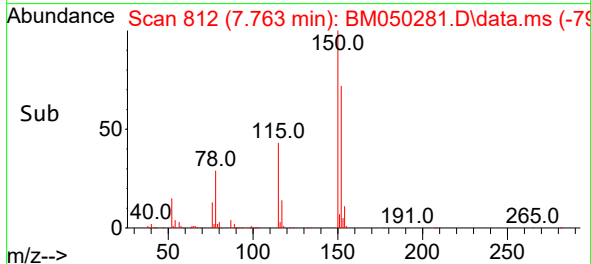
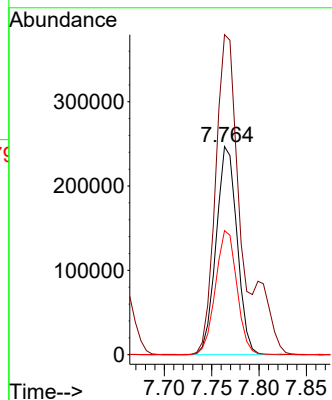
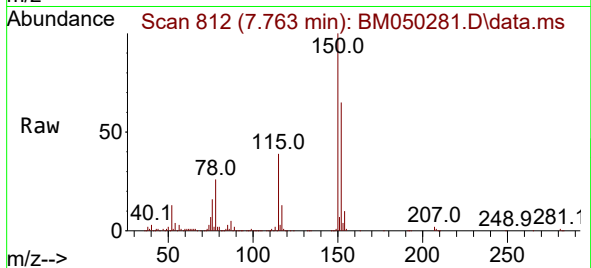




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM050281.D
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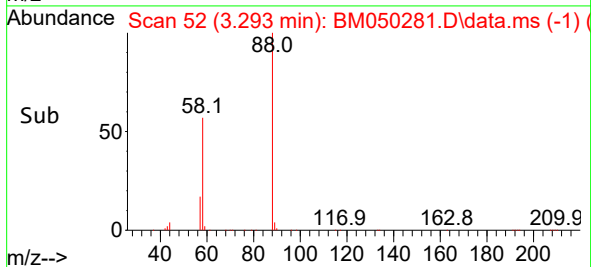
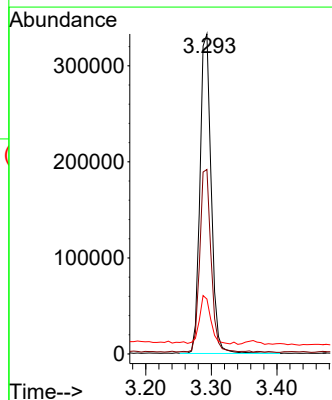
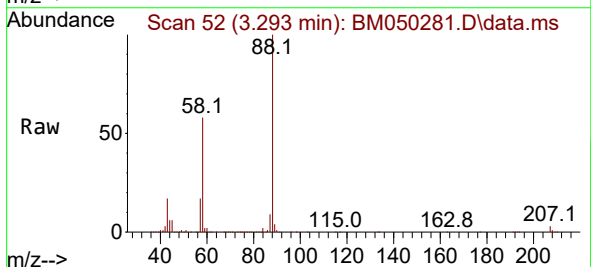
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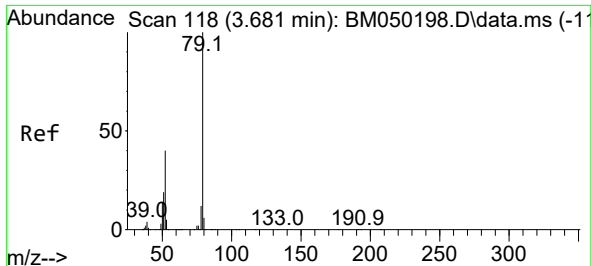
Tgt Ion:152 Resp: 381437
Ion Ratio Lower Upper
152 100
150 153.7 122.2 183.4
115 59.5 46.3 69.5



#2
1,4-Dioxane
Concen: 39.536 ng
RT: 3.293 min Scan# 52
Delta R.T. 0.012 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

Tgt Ion: 88 Resp: 396272
Ion Ratio Lower Upper
88 100
58 57.1 42.9 64.3
43 14.8 11.0 16.6

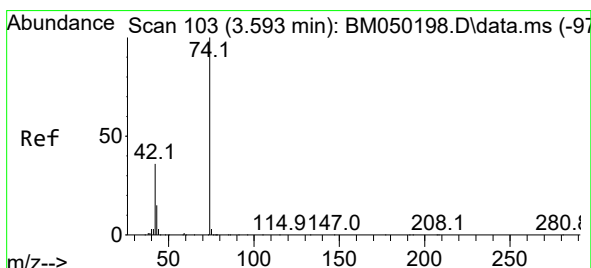
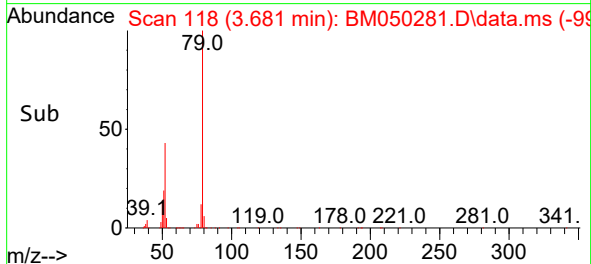
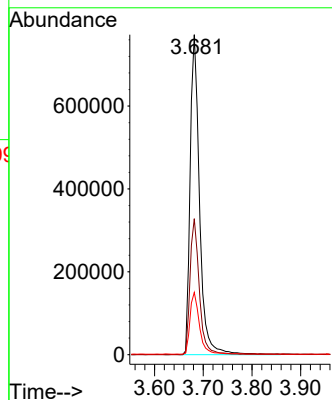
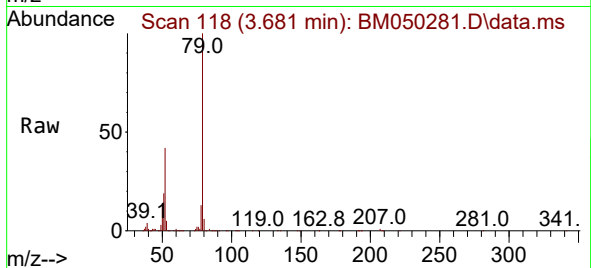




#3
Pyridine
Concen: 39.848 ng
RT: 3.681 min Scan# 118
Delta R.T. 0.012 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

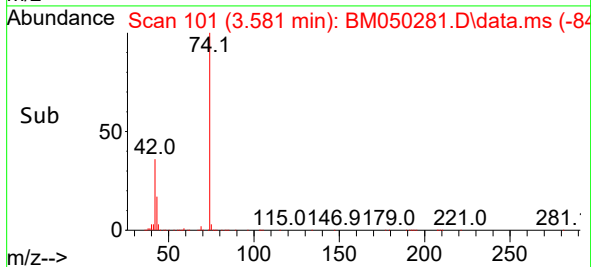
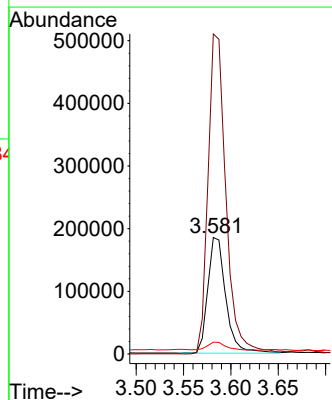
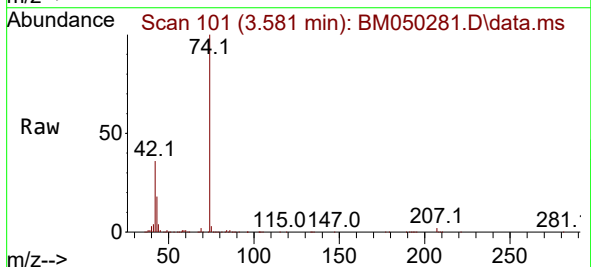
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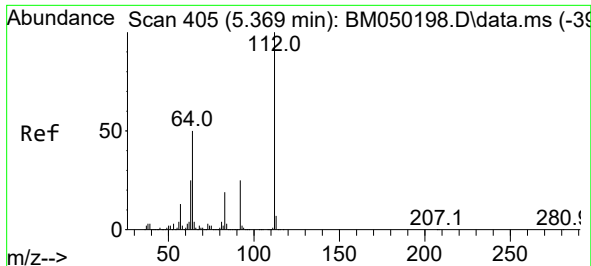
Tgt Ion: 79 Resp: 1034304
Ion Ratio Lower Upper
79 100
52 42.5 32.1 48.1
51 19.5 15.4 23.0



#4
n-Nitrosodimethylamine
Concen: 45.366 ng
RT: 3.581 min Scan# 101
Delta R.T. 0.000 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

Tgt Ion: 42 Resp: 243494
Ion Ratio Lower Upper
42 100
74 274.7 222.0 333.0
44 10.2 7.0 10.6

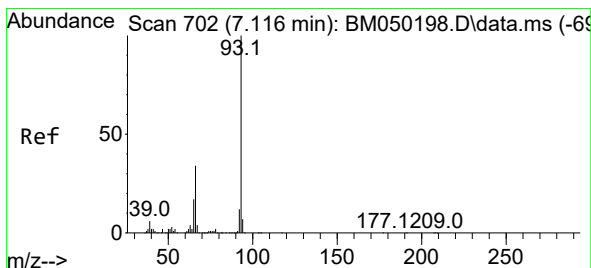
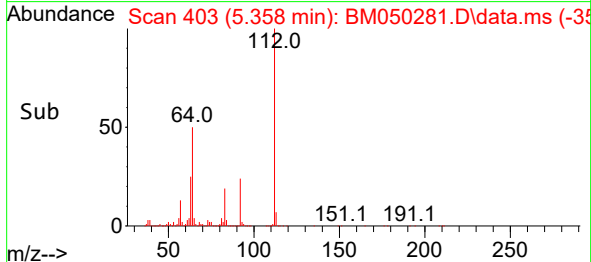
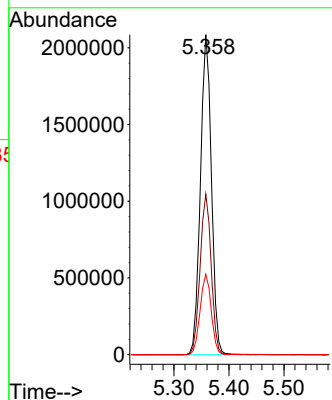
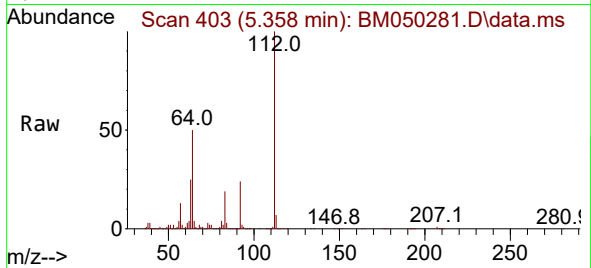




#5
2-Fluorophenol
Concen: 127.083 ng
RT: 5.358 min Scan# 405
Delta R.T. 0.000 min
Lab File: BM050281.D
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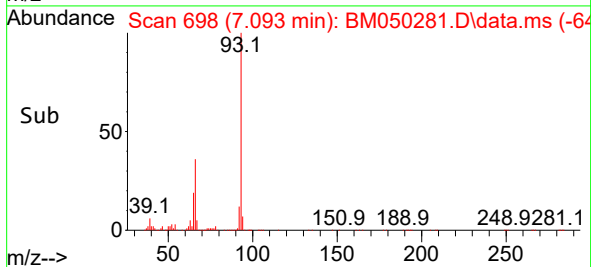
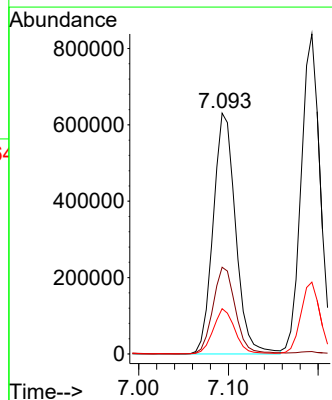
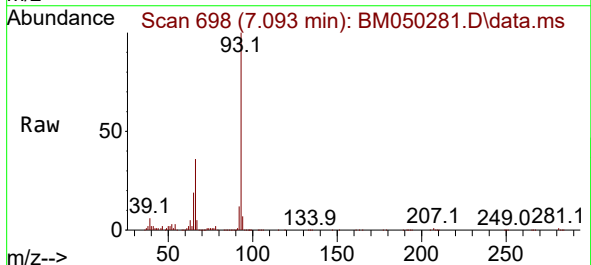
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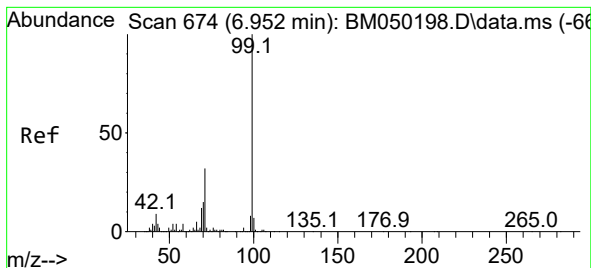
Tgt Ion:112 Resp: 2905876
Ion Ratio Lower Upper
112 100
64 50.2 39.8 59.6
63 25.1 19.8 29.8



#6
Aniline
Concen: 27.518 ng
RT: 7.093 min Scan# 698
Delta R.T. 0.000 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

Tgt Ion: 93 Resp: 1095017
Ion Ratio Lower Upper
93 100
66 36.0 27.4 41.2
65 18.8 13.6 20.4

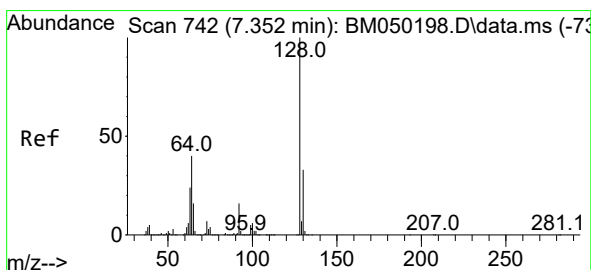
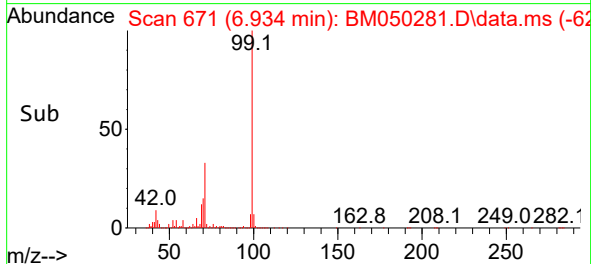
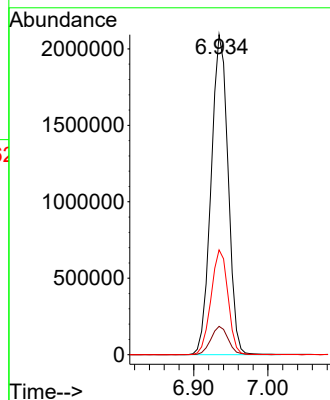
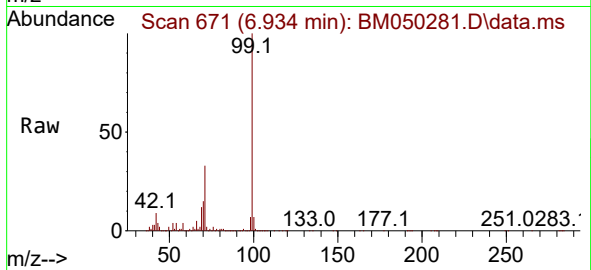




#7
Phenol-d6
Concen: 110.680 ng
RT: 6.934 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM050281.D
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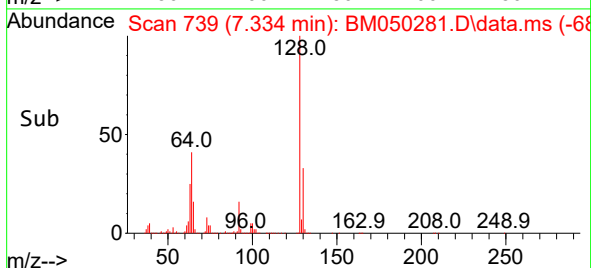
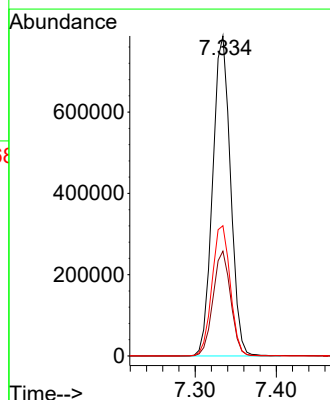
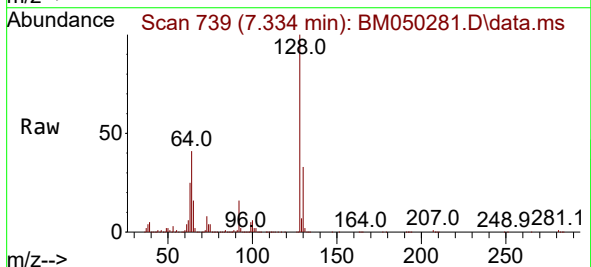
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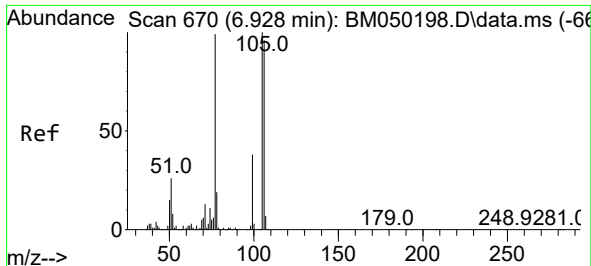
Tgt Ion: 99 Resp: 3331582
Ion Ratio Lower Upper
99 100
42 8.8 6.9 10.3
71 32.8 25.3 37.9



#8
2-Chlorophenol
Concen: 47.811 ng
RT: 7.334 min Scan# 739
Delta R.T. 0.000 min
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Tgt Ion: 128 Resp: 1202517
Ion Ratio Lower Upper
128 100
130 32.7 12.6 52.6
64 40.7 19.8 59.8

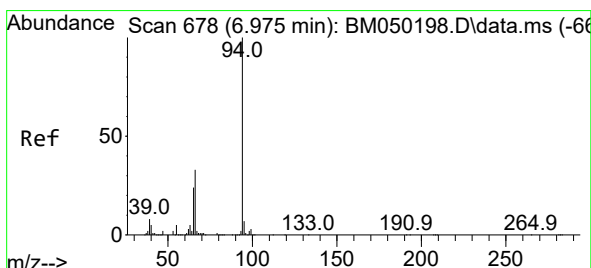
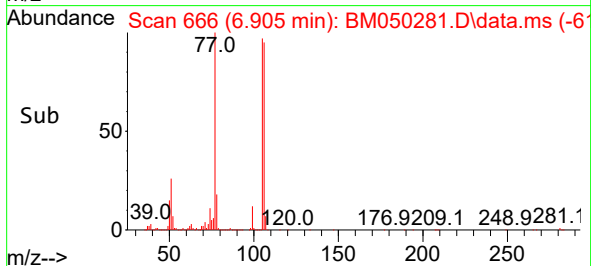
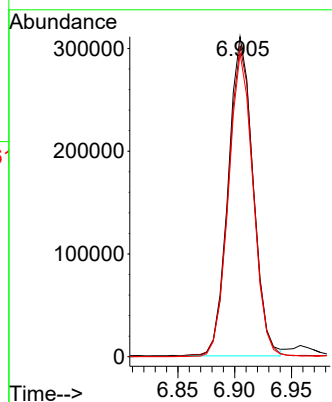
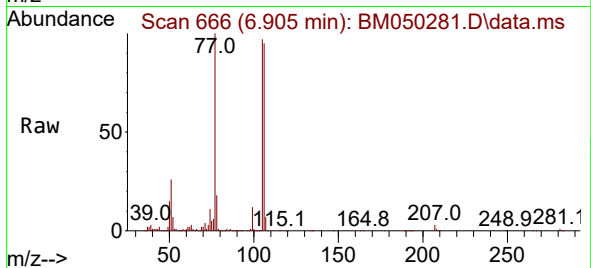




#9
Benzaldehyde
Concen: 24.656 ng
RT: 6.905 min Scan# 670
Delta R.T. -0.005 min
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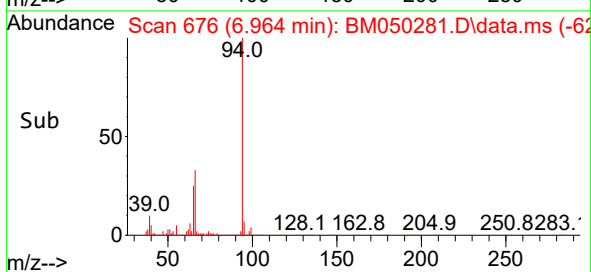
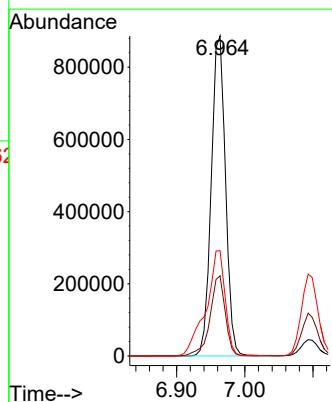
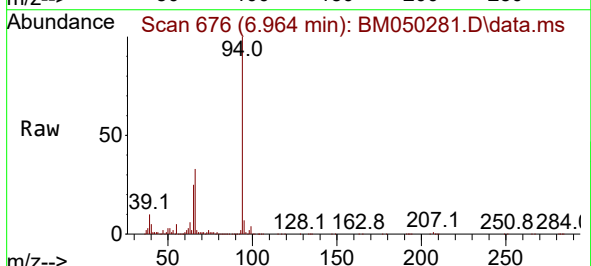
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MS

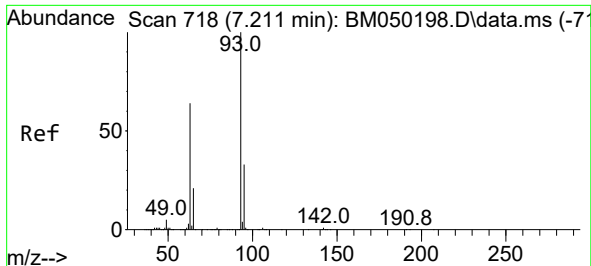
Tgt Ion: 77 Resp: 471853
Ion Ratio Lower Upper
77 100
105 97.0 80.9 120.9
106 94.8 77.1 117.1



#10
Phenol
Concen: 40.516 ng
RT: 6.964 min Scan# 676
Delta R.T. 0.006 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

Tgt Ion: 94 Resp: 1290381
Ion Ratio Lower Upper
94 100
65 25.1 4.3 44.3
66 32.9 12.9 52.9

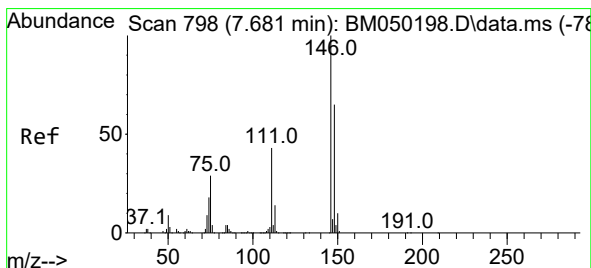
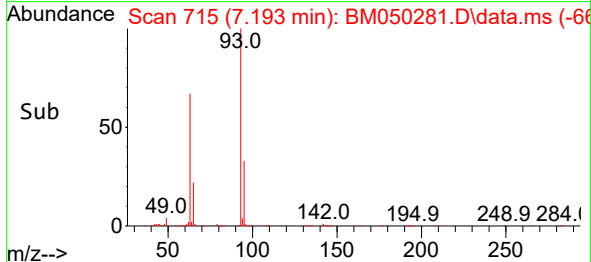
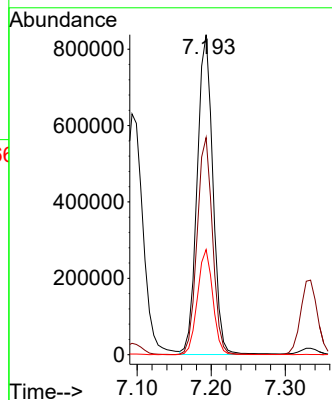
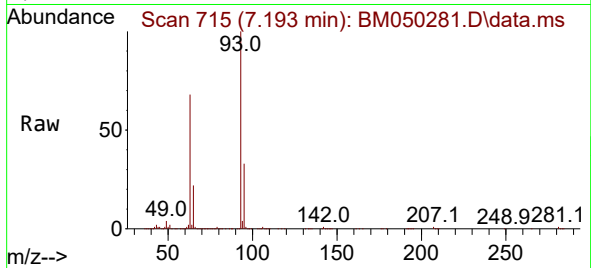




#11
bis(2-Chloroethyl)ether
Concen: 48.133 ng
RT: 7.193 min Scan# 718
Delta R.T. 0.000 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

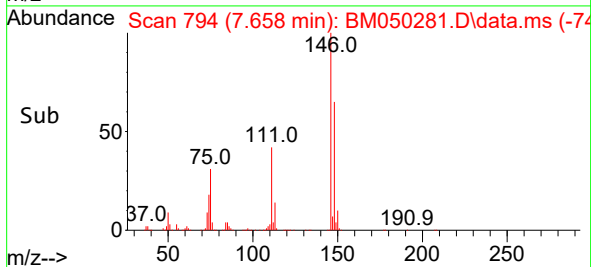
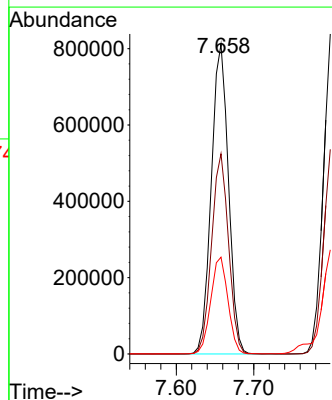
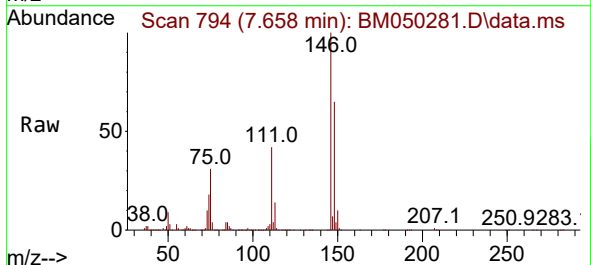
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MS

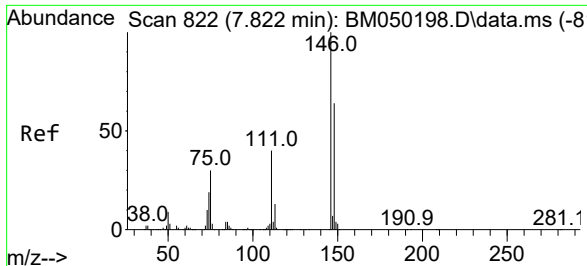
Tgt Ion: 93 Resp: 1233025
Ion Ratio Lower Upper
93 100
63 67.8 43.9 83.9
95 32.9 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 44.356 ng
RT: 7.658 min Scan# 794
Delta R.T. 0.000 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

Tgt Ion:146 Resp: 1247191
Ion Ratio Lower Upper
146 100
148 64.6 51.9 77.9
75 31.3 23.4 35.0

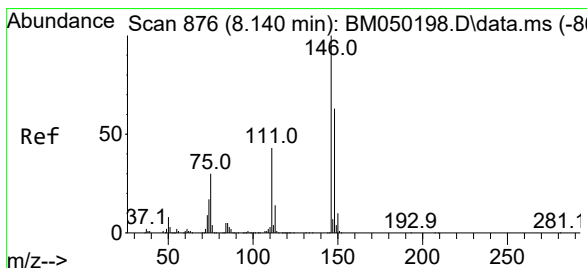
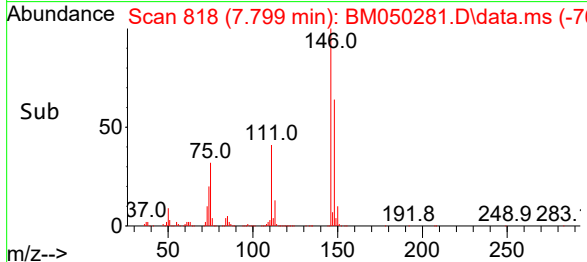
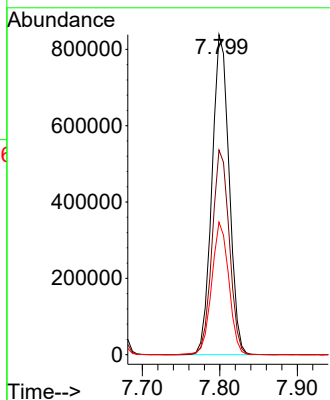
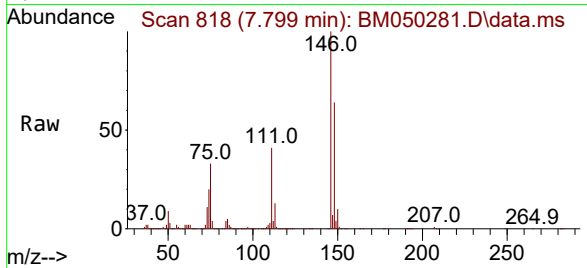




#13
1,4-Dichlorobenzene
Concen: 43.978 ng
RT: 7.799 min Scan# 818
Delta R.T. -0.005 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

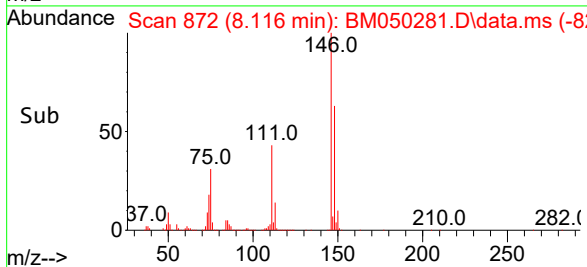
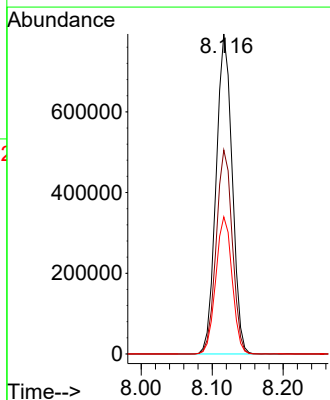
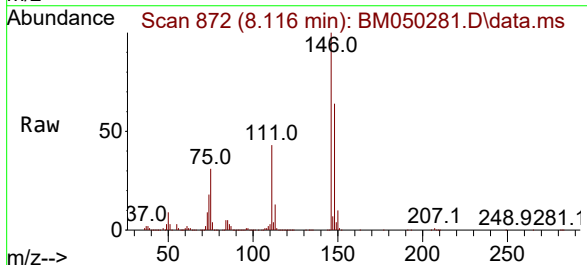
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MS

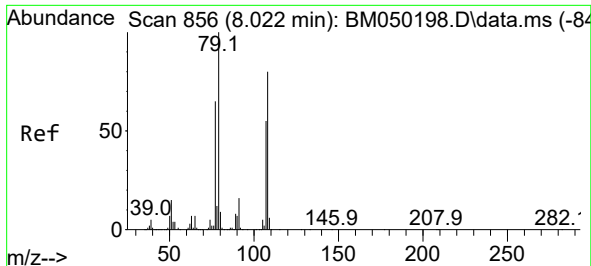
Tgt Ion:146 Resp: 1286585
Ion Ratio Lower Upper
146 100
148 63.9 51.4 77.0
111 41.4 32.3 48.5



#14
1,2-Dichlorobenzene
Concen: 44.519 ng
RT: 8.116 min Scan# 872
Delta R.T. -0.005 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

Tgt Ion:146 Resp: 1241606
Ion Ratio Lower Upper
146 100
148 63.8 50.4 75.6
111 42.9 34.3 51.5

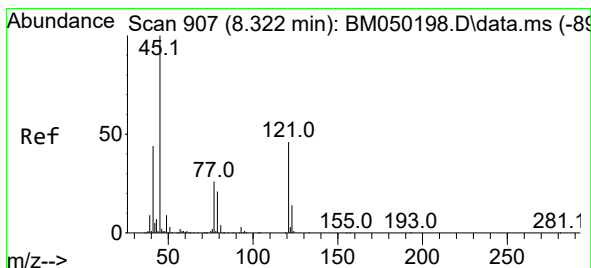
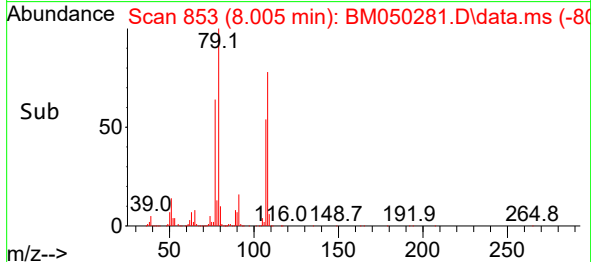
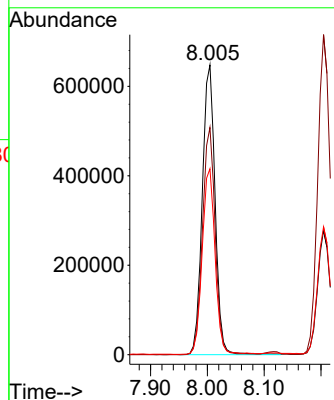
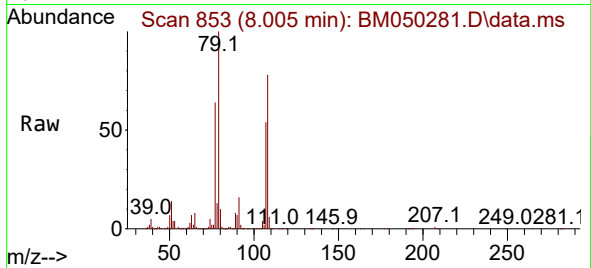




#15
Benzyl Alcohol
Concen: 47.294 ng
RT: 8.005 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

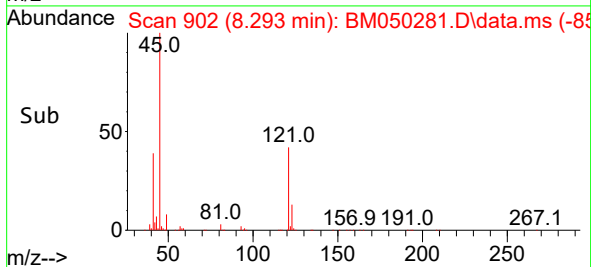
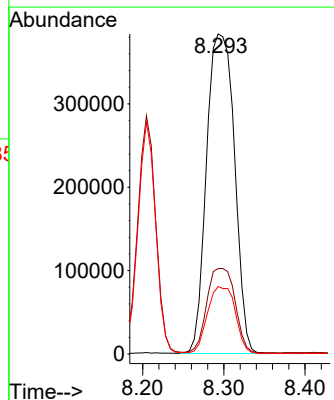
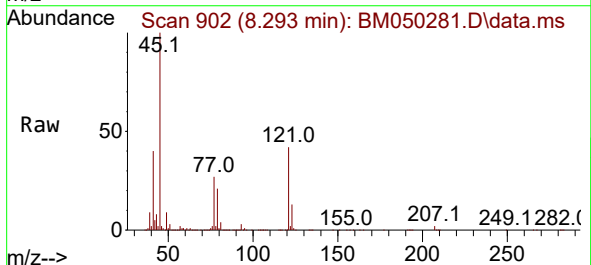
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MS

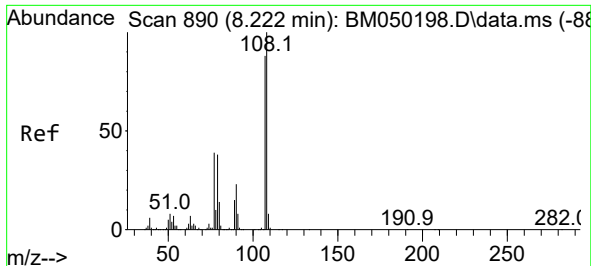
Tgt Ion: 79 Resp: 1015345
Ion Ratio Lower Upper
79 100
108 78.4 64.0 96.0
77 64.2 52.2 78.2



#16
2,2'-oxybis(1-chloropropane)
Concen: 51.527 ng
RT: 8.293 min Scan# 902
Delta R.T. 0.000 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

Tgt Ion: 45 Resp: 916949
Ion Ratio Lower Upper
45 100
77 26.7 8.7 48.7
79 21.0 2.7 42.7

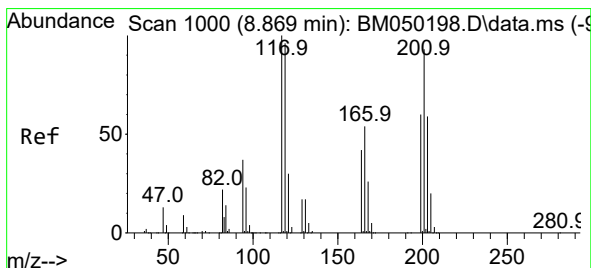
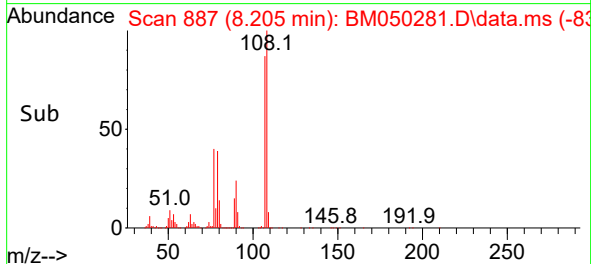
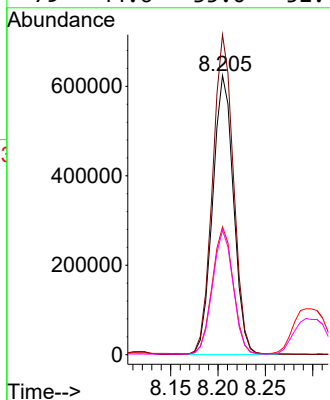
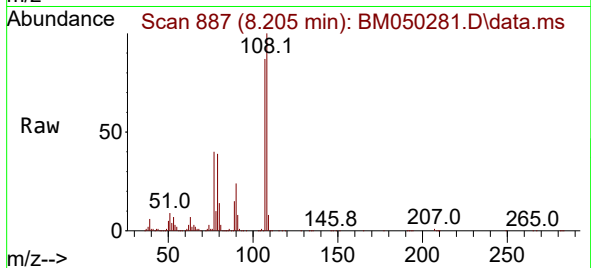




#17
2-Methylphenol
Concen: 45.548 ng
RT: 8.205 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

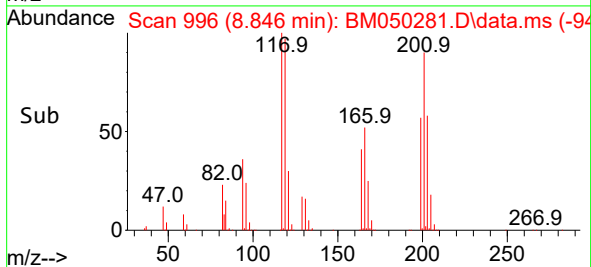
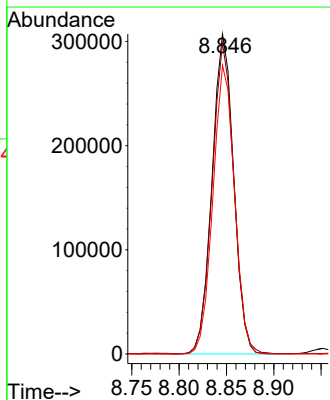
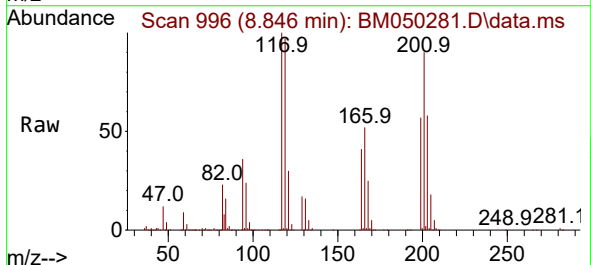
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MS

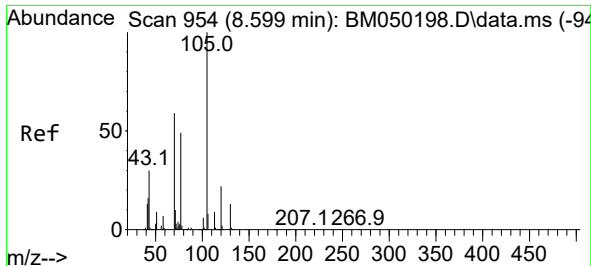
Tgt Ion:	107	Resp:	957148
Ion	Ratio	Lower	Upper
107	100		
108	114.6	90.8	136.2
77	45.8	35.7	53.5
79	44.6	35.0	52.4



#18
Hexachloroethane
Concen: 46.122 ng
RT: 8.846 min Scan# 996
Delta R.T. -0.005 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

Tgt Ion:	117	Resp:	488649
Ion	Ratio	Lower	Upper
117	100		
119	97.2	77.0	115.6
201	90.1	74.6	111.8

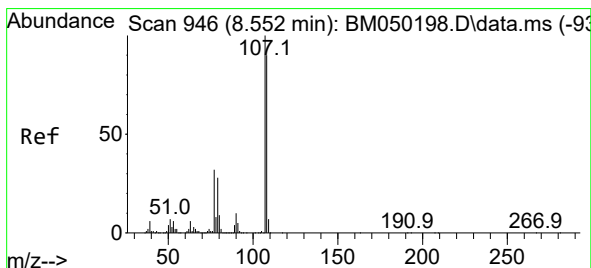
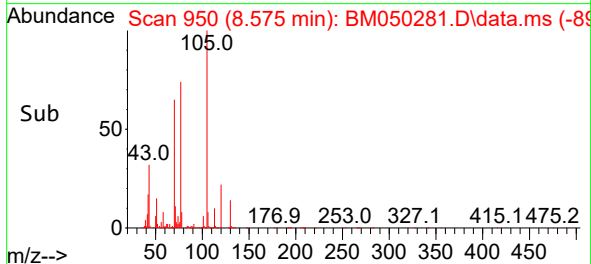
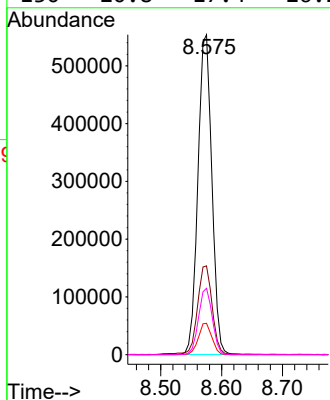
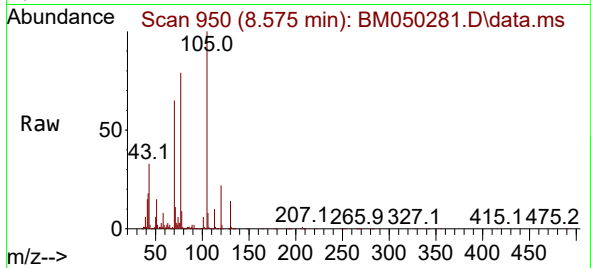




#19
n-Nitroso-di-n-propylamine
Concen: 47.701 ng
RT: 8.575 min Scan# 91
Delta R.T. 0.000 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

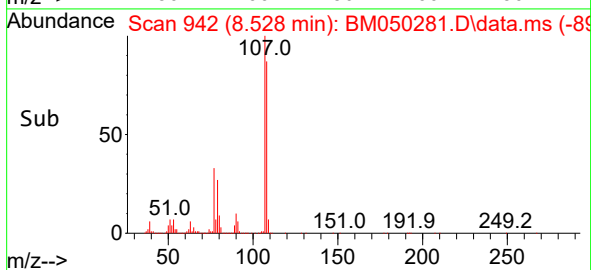
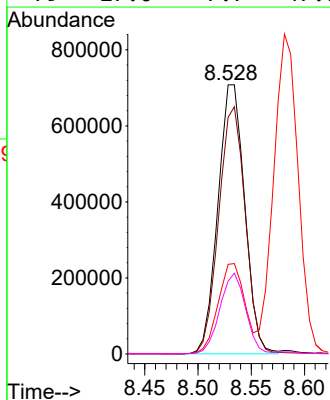
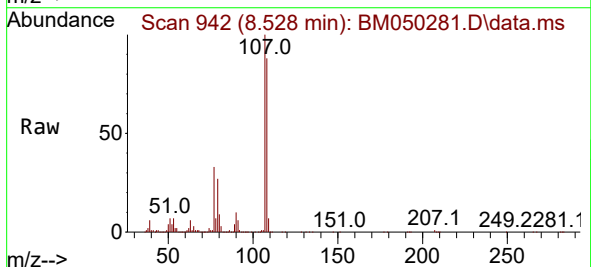
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MS

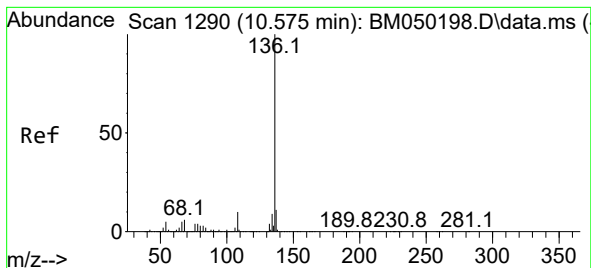
Tgt Ion: 70 Resp: 878671
Ion Ratio Lower Upper
70 100
42 27.7 22.6 33.8
101 9.8 8.3 12.5
130 20.8 17.4 26.2



#20
3+4-Methylphenols
Concen: 44.036 ng
RT: 8.528 min Scan# 942
Delta R.T. -0.005 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

Tgt Ion: 107 Resp: 1238063
Ion Ratio Lower Upper
107 100
108 87.9 70.4 110.4
77 33.3 12.2 52.2
79 27.0 7.7 47.7

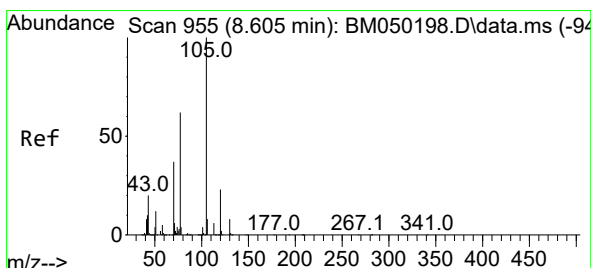
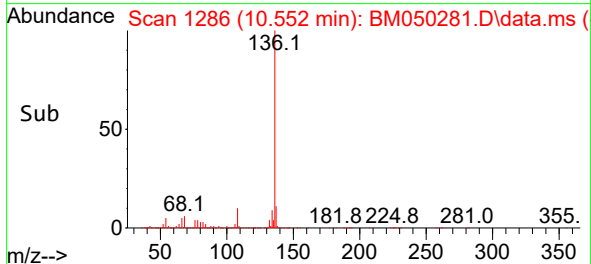
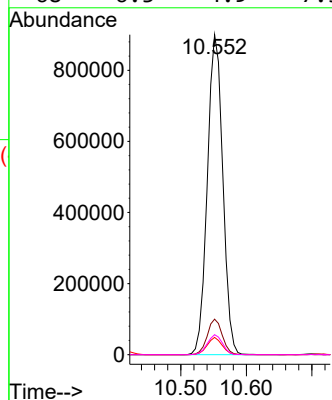
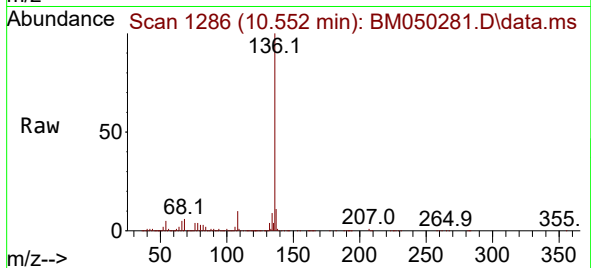




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.552 min Scan# 1286
Delta R.T. -0.005 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

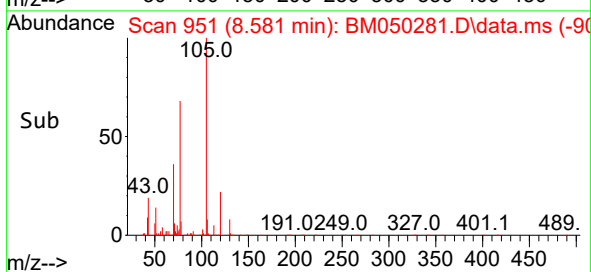
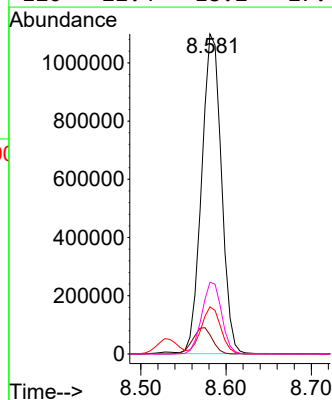
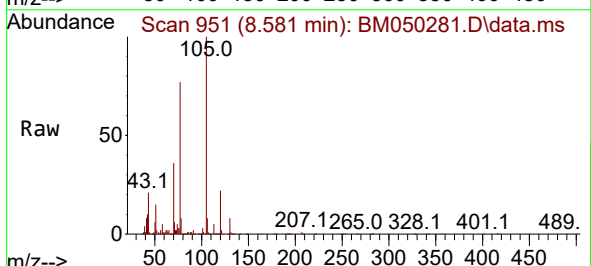
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MS

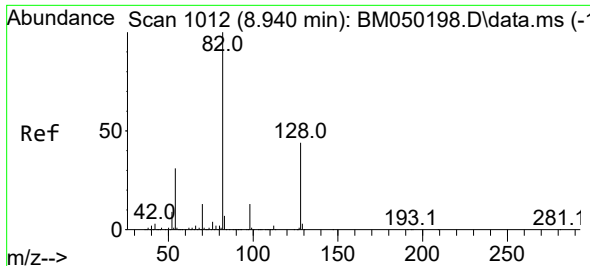
Tgt Ion:136 Resp: 1477946
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 5.4 3.8 5.8
68 6.3 4.9 7.3



#22
Acetophenone
Concen: 47.907 ng
RT: 8.581 min Scan# 951
Delta R.T. -0.005 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

Tgt Ion:105 Resp: 1768877
Ion Ratio Lower Upper
105 100
71 6.0 5.0 7.4
51 14.7 11.4 17.2
120 22.4 18.2 27.4





#23

Nitrobenzene-d5

Concen: 87.917 ng

RT: 8.916 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BM050281.D

Acq: 11 Jun 2025 19:23

Instrument :

BNA_M

ClientSampleId :

ARS20-0032MS

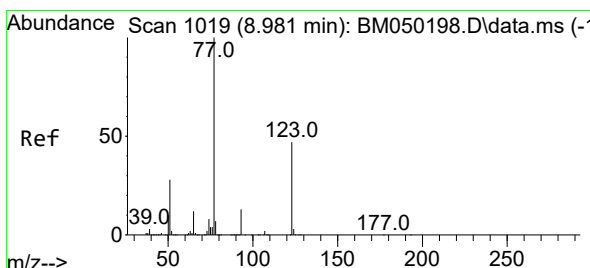
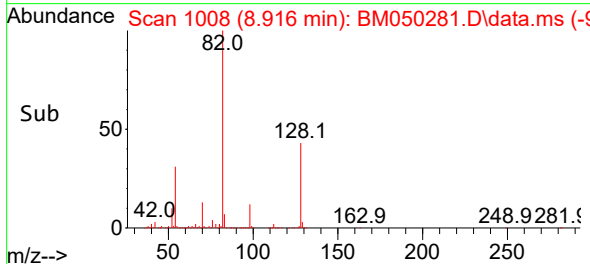
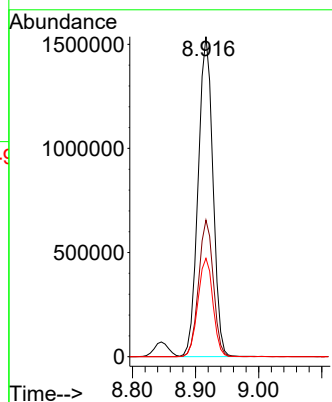
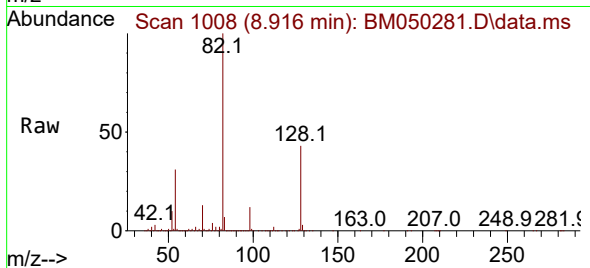
Tgt Ion: 82 Resp: 2498382

Ion Ratio Lower Upper

82 100

128 42.7 35.2 52.8

54 30.8 24.5 36.7



#24

Nitrobenzene

Concen: 50.803 ng

RT: 8.958 min Scan# 1015

Delta R.T. -0.005 min

Lab File: BM050281.D

Acq: 11 Jun 2025 19:23

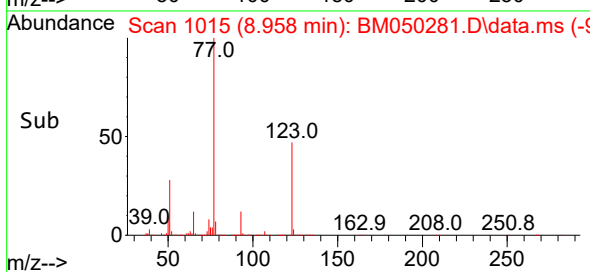
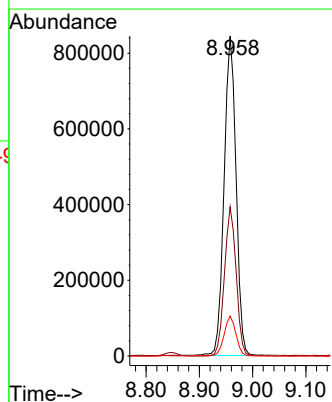
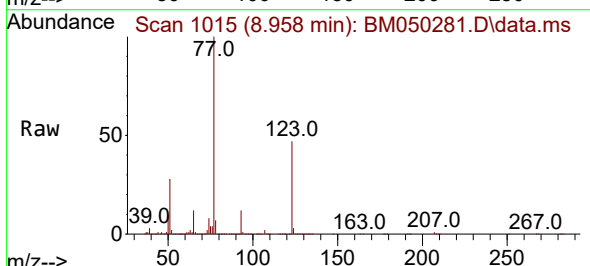
Tgt Ion: 77 Resp: 1313025

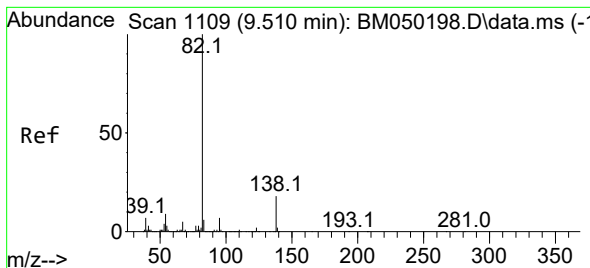
Ion Ratio Lower Upper

77 100

123 46.6 38.2 57.2

65 12.4 9.5 14.3





#25

Isophorone

Concen: 49.281 ng

RT: 9.487 min Scan# 1105

Delta R.T. 0.000 min

Lab File: BM050281.D

Acq: 11 Jun 2025 19:23

Instrument :

BNA_M

ClientSampleId :

ARS20-0032MS

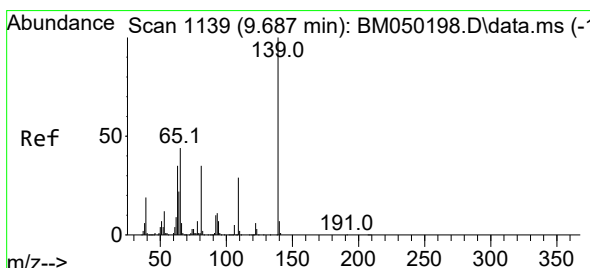
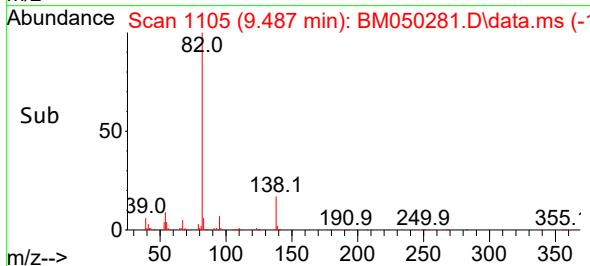
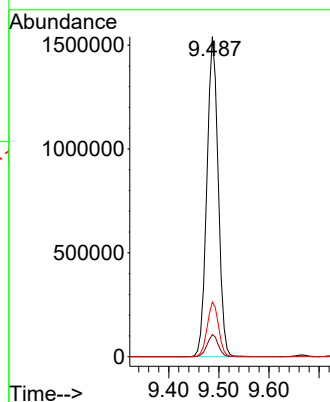
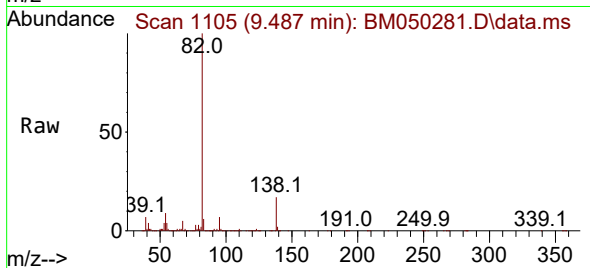
Tgt Ion: 82 Resp: 2417171

Ion Ratio Lower Upper

82 100

95 6.9 5.7 8.5

138 17.1 14.2 21.2



#26

2-Nitrophenol

Concen: 50.416 ng

RT: 9.663 min Scan# 1135

Delta R.T. -0.005 min

Lab File: BM050281.D

Acq: 11 Jun 2025 19:23

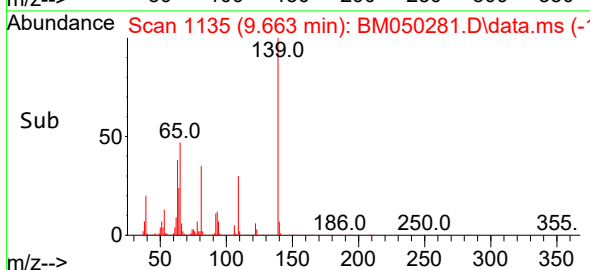
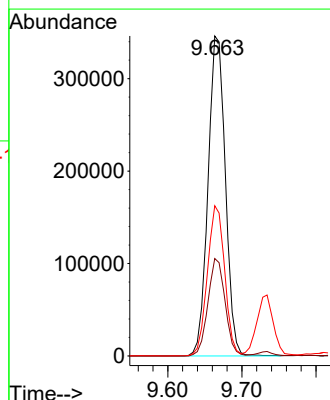
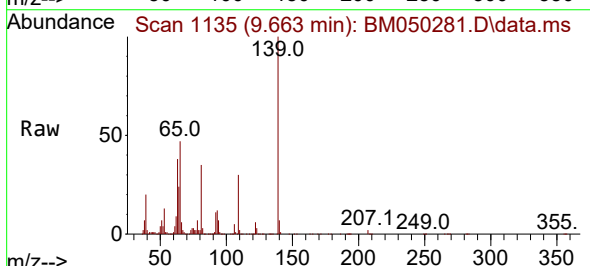
Tgt Ion:139 Resp: 562457

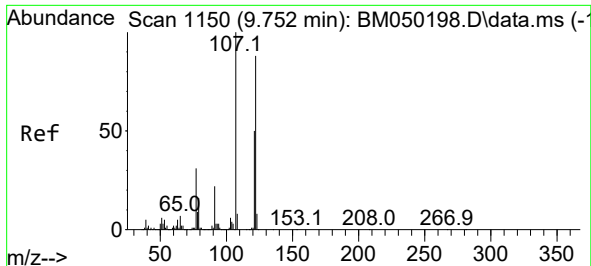
Ion Ratio Lower Upper

139 100

109 30.4 23.3 34.9

65 46.9 35.2 52.8





#27

2,4-Dimethylphenol

Concen: 48.033 ng

RT: 9.734 min Scan# 1147

Delta R.T. 0.000 min

Lab File: BM050281.D

Acq: 11 Jun 2025 19:23

Instrument :

BNA_M

ClientSampleId :

ARS20-0032MS

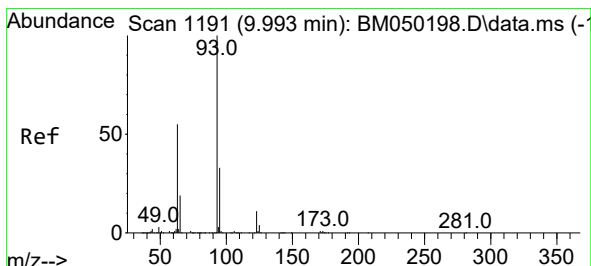
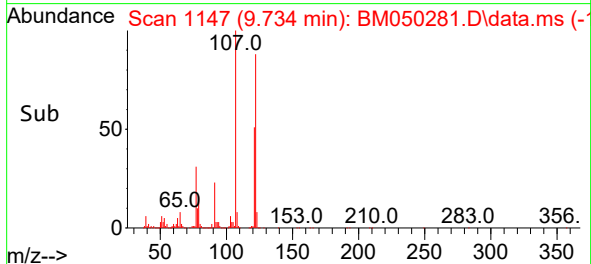
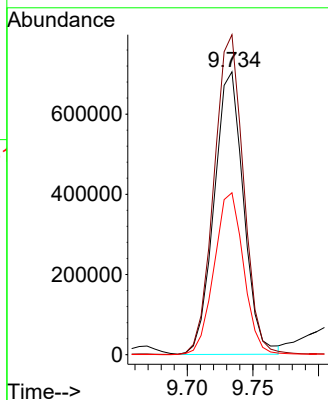
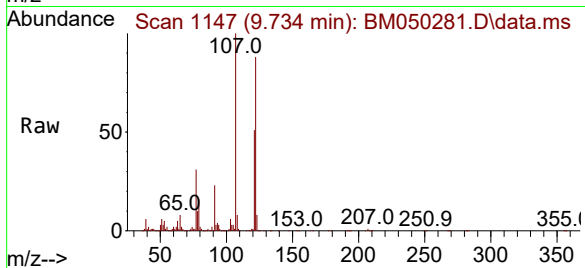
Tgt Ion:122 Resp: 1101040

Ion Ratio Lower Upper

122 100

107 113.1 91.0 136.6

121 57.3 45.8 68.6



#28

bis(2-Chloroethoxy)methane

Concen: 49.996 ng

RT: 9.969 min Scan# 1187

Delta R.T. 0.000 min

Lab File: BM050281.D

Acq: 11 Jun 2025 19:23

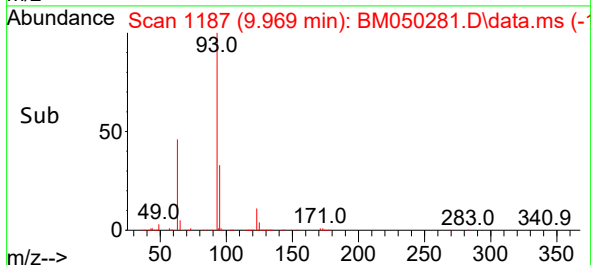
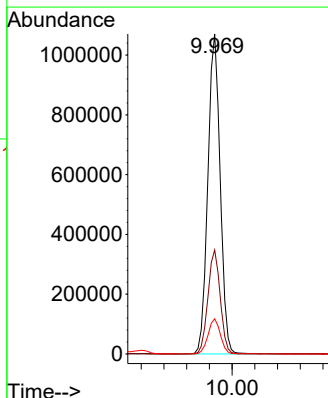
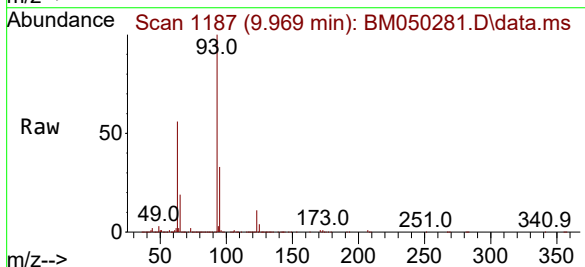
Tgt Ion: 93 Resp: 1601977

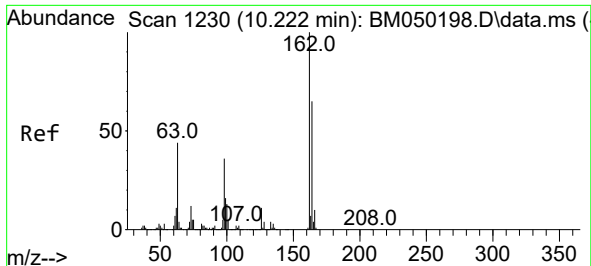
Ion Ratio Lower Upper

93 100

95 32.5 26.2 39.4

123 11.0 8.9 13.3





#29

2,4-Dichlorophenol

Concen: 49.195 ng

RT: 10.199 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM050281.D

Acq: 11 Jun 2025 19:23

Instrument :

BNA_M

ClientSampleId :

ARS20-0032MS

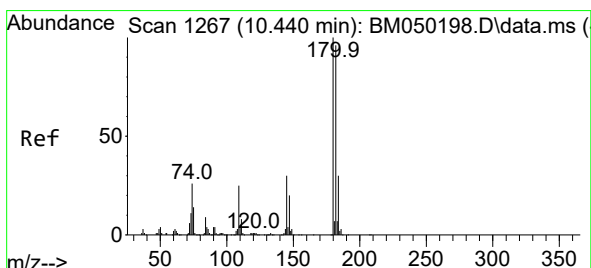
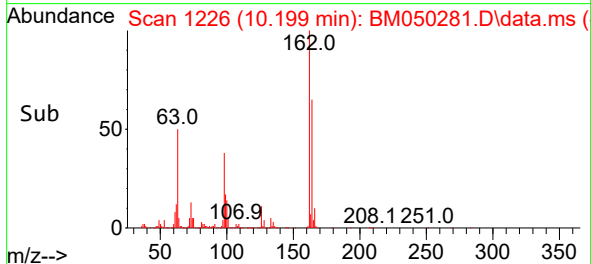
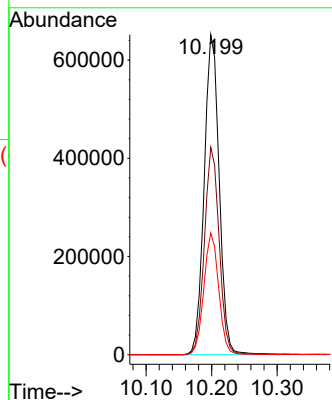
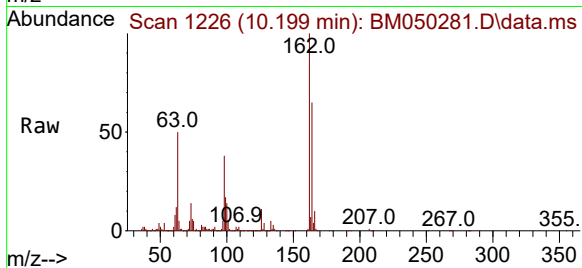
Tgt Ion:162 Resp: 1043557

Ion Ratio Lower Upper

162 100

164 64.8 45.0 85.0

98 38.1 16.3 56.3



#30

1,2,4-Trichlorobenzene

Concen: 47.784 ng

RT: 10.416 min Scan# 1263

Delta R.T. -0.005 min

Lab File: BM050281.D

Acq: 11 Jun 2025 19:23

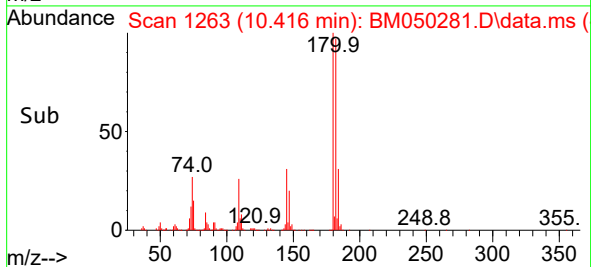
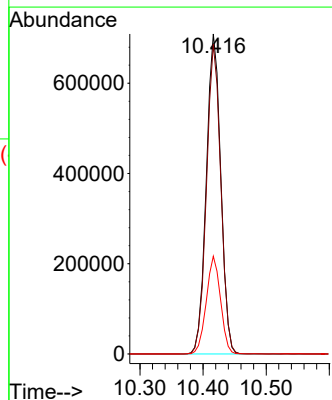
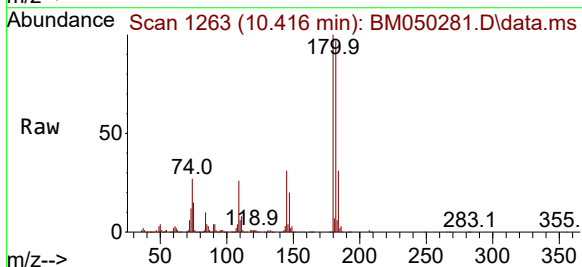
Tgt Ion:180 Resp: 1127946

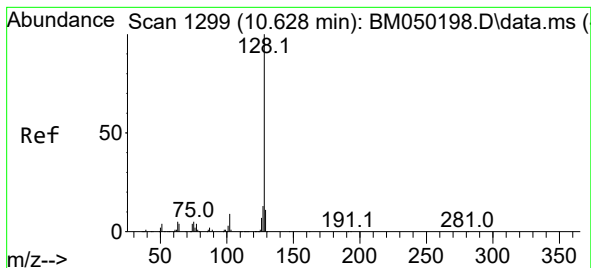
Ion Ratio Lower Upper

180 100

182 96.7 76.6 114.8

145 30.5 24.2 36.4

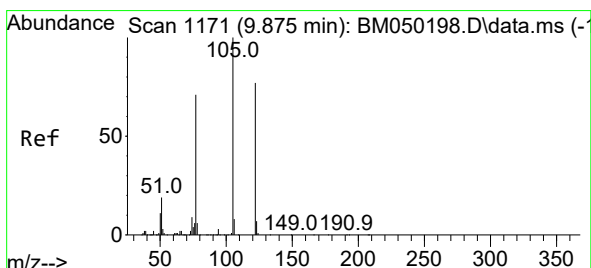
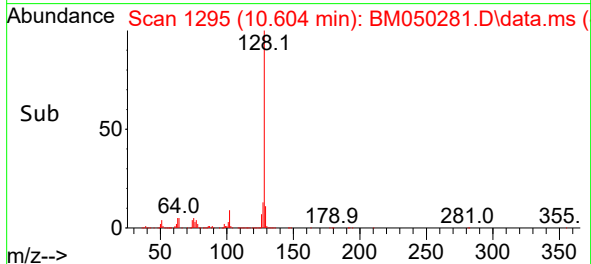
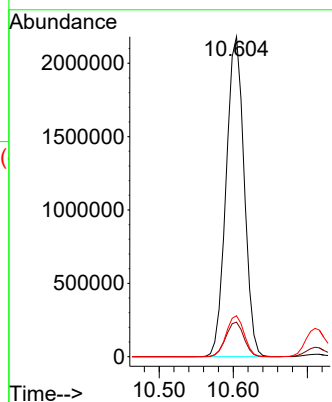
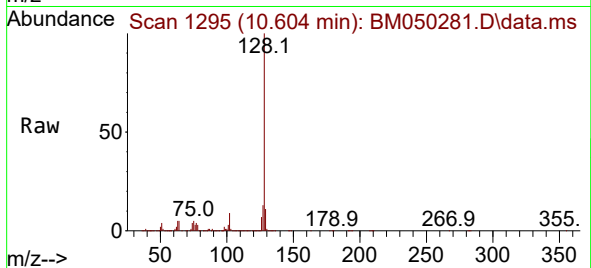




#31
Naphthalene
Concen: 48.123 ng
RT: 10.604 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

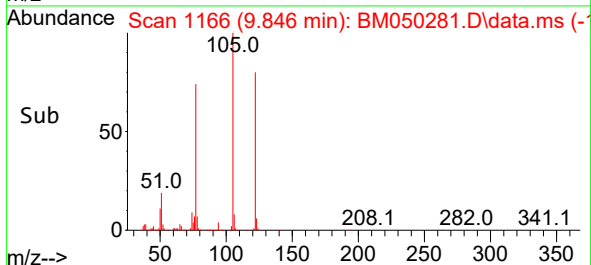
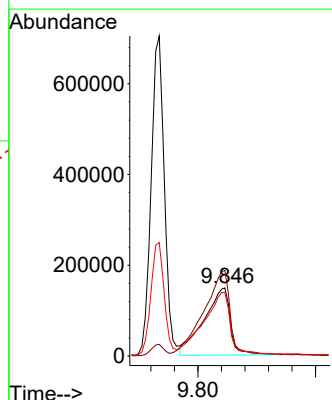
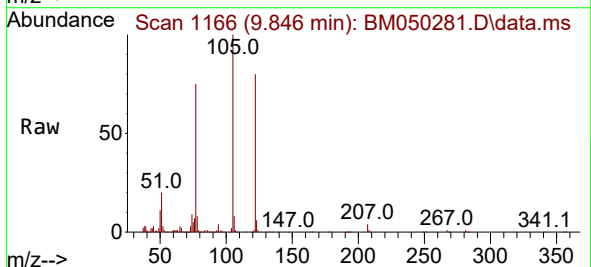
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MS

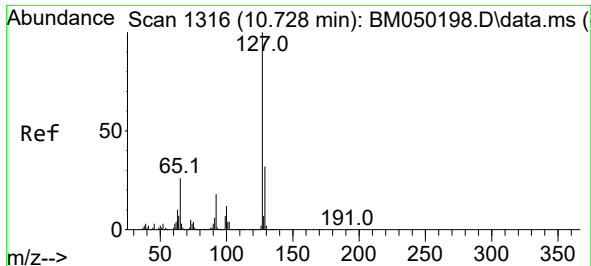
Tgt Ion:128 Resp: 3677240
Ion Ratio Lower Upper
128 100
129 10.8 8.6 12.8
127 12.8 10.2 15.4



#32
Benzoic acid
Concen: 32.130 ng
RT: 9.846 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

Tgt Ion:122 Resp: 462859
Ion Ratio Lower Upper
122 100
105 125.4 103.4 143.4
77 93.6 70.3 110.3

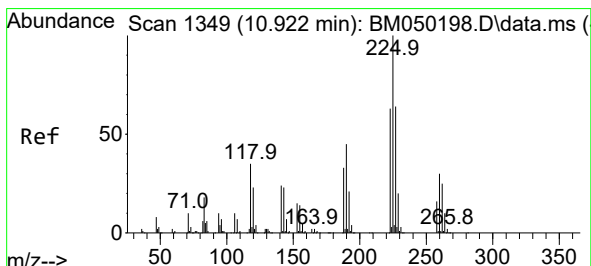
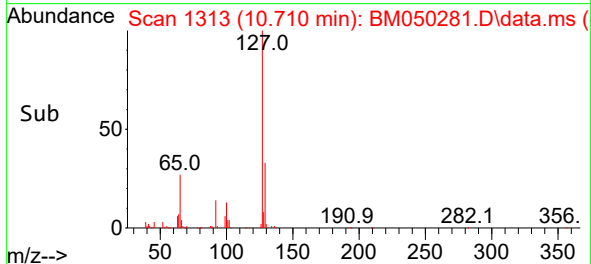
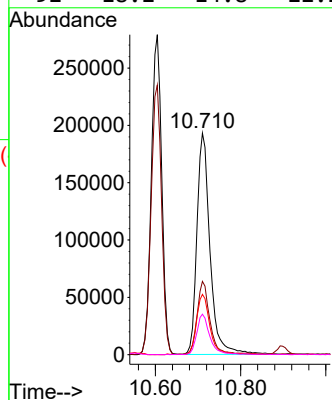
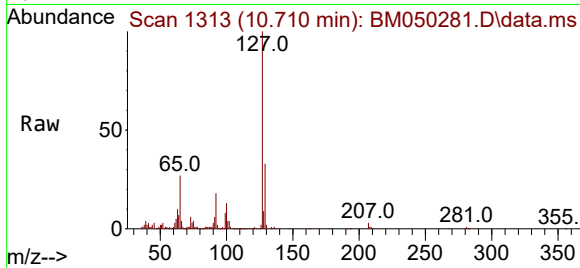




#33
4-Chloroaniline
Concen: 12.671 ng
RT: 10.710 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

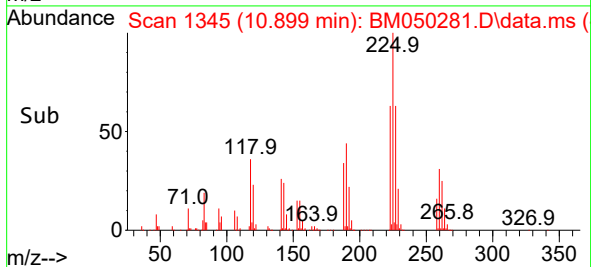
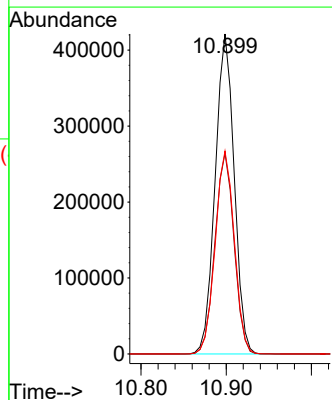
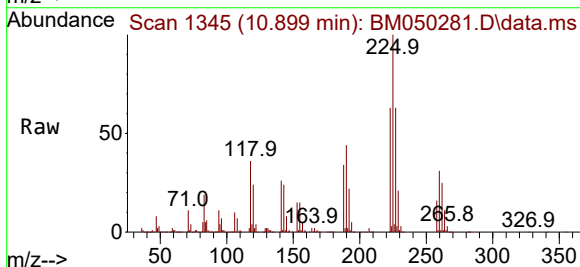
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MS

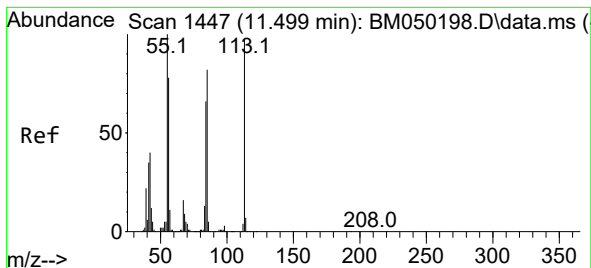
Tgt Ion:127 Resp: 412783
Ion Ratio Lower Upper
127 100
129 33.0 25.4 38.0
65 27.2 21.0 31.4
92 18.2 14.8 22.2



#34
Hexachlorobutadiene
Concen: 46.529 ng
RT: 10.899 min Scan# 1345
Delta R.T. -0.005 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

Tgt Ion:225 Resp: 653301
Ion Ratio Lower Upper
225 100
223 62.7 50.2 75.2
227 63.4 51.0 76.4

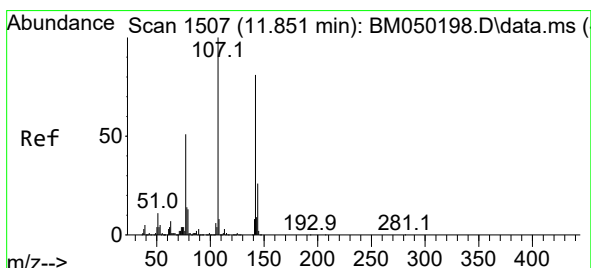
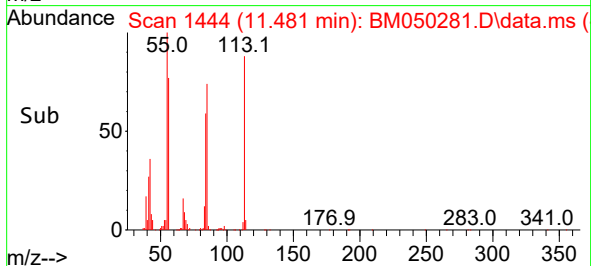
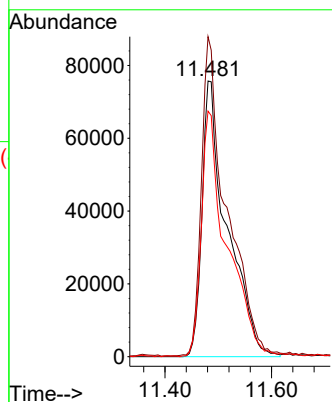
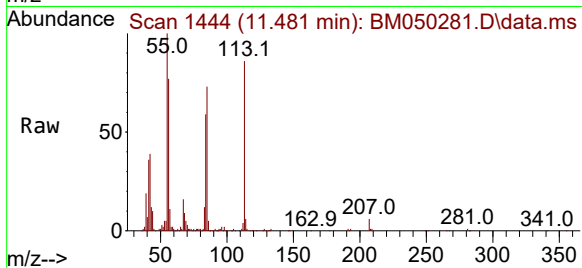




#35
Caprolactam
Concen: 36.694 ng
RT: 11.481 min Scan# 1447
Delta R.T. 0.000 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

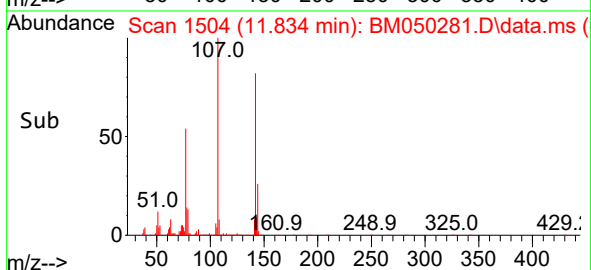
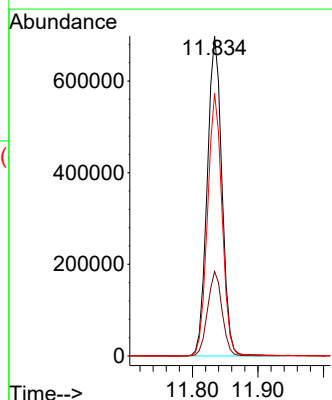
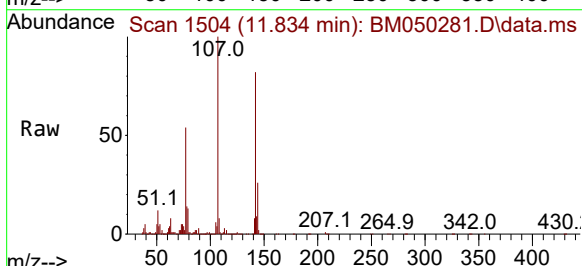
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MS

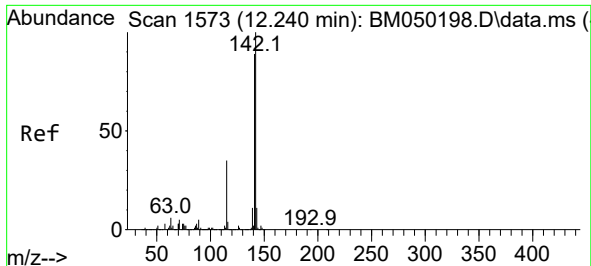
Tgt Ion:113 Resp: 246773
Ion Ratio Lower Upper
113 100
55 116.1 83.5 123.5
56 89.1 60.6 100.6



#36
4-Chloro-3-methylphenol
Concen: 48.124 ng
RT: 11.834 min Scan# 1504
Delta R.T. 0.000 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

Tgt Ion:107 Resp: 1089291
Ion Ratio Lower Upper
107 100
144 26.4 21.0 31.6
142 82.1 64.8 97.2

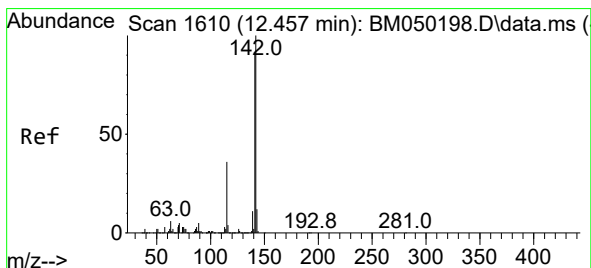
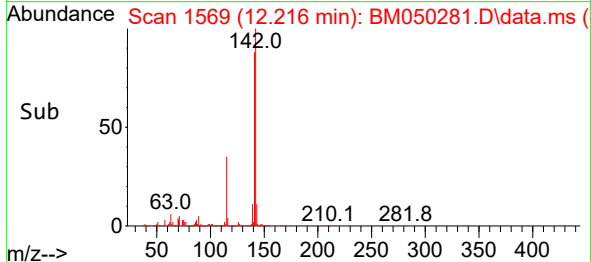
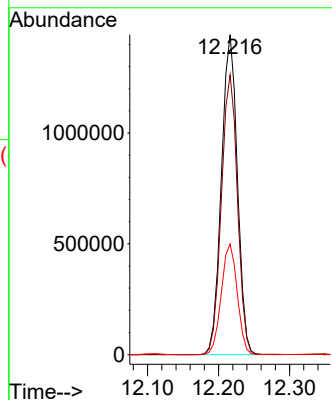
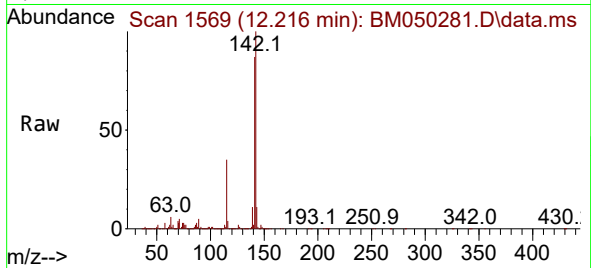




#37
2-Methylnaphthalene
Concen: 48.759 ng
RT: 12.216 min Scan# 1
Delta R.T. -0.005 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

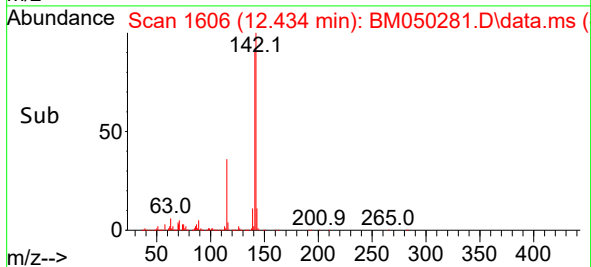
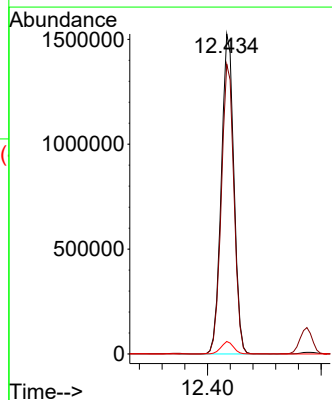
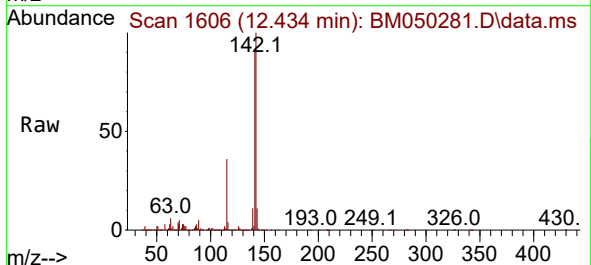
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MS

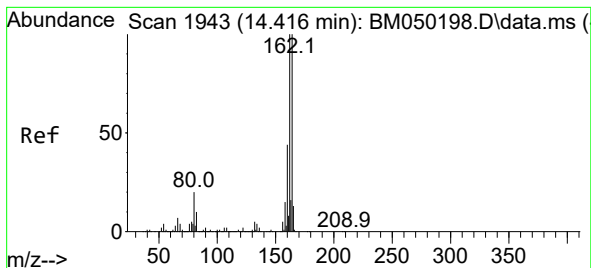
Tgt Ion:142 Resp: 2247679
Ion Ratio Lower Upper
142 100
141 87.4 71.5 107.3
115 34.6 27.8 41.8



#38
1-Methylnaphthalene
Concen: 48.148 ng
RT: 12.434 min Scan# 1606
Delta R.T. -0.005 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

Tgt Ion:142 Resp: 2355768
Ion Ratio Lower Upper
142 100
141 90.6 72.9 109.3
116 3.9 3.0 4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.398 min Scan# 1940

Delta R.T. 0.000 min

Lab File: BM050281.D

Acq: 11 Jun 2025 19:23

Instrument :

BNA_M

ClientSampleId :

ARS20-0032MS

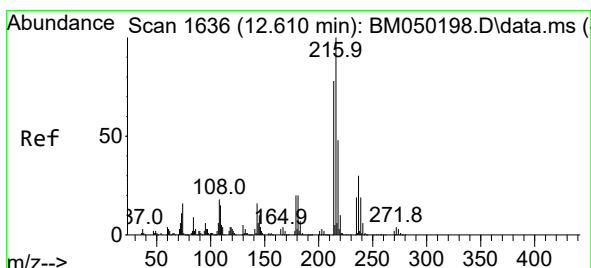
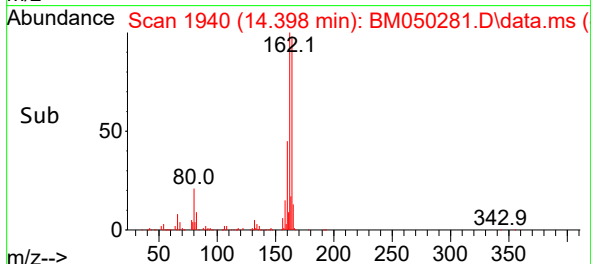
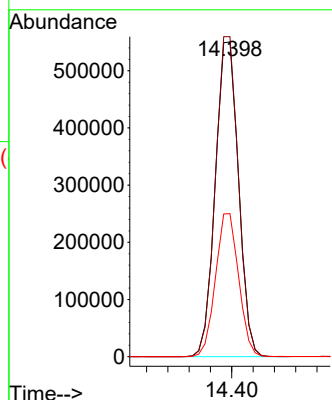
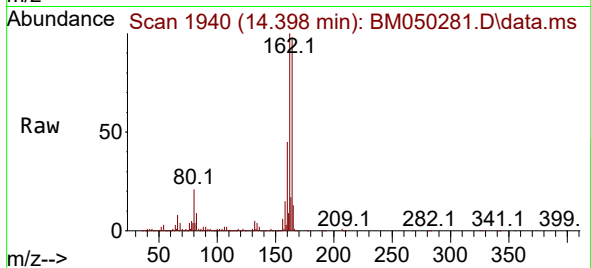
Tgt Ion:164 Resp: 832888

Ion Ratio Lower Upper

164 100

162 101.7 80.2 120.4

160 45.5 35.7 53.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 50.015 ng

RT: 12.587 min Scan# 1632

Delta R.T. 0.000 min

Lab File: BM050281.D

Acq: 11 Jun 2025 19:23

Tgt Ion:216 Resp: 1202884

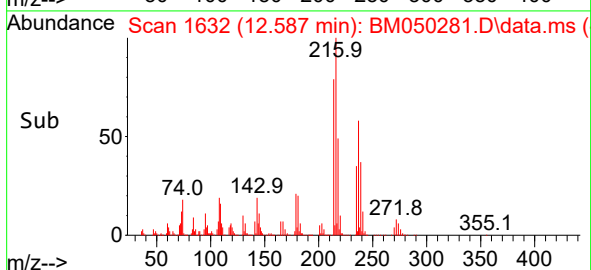
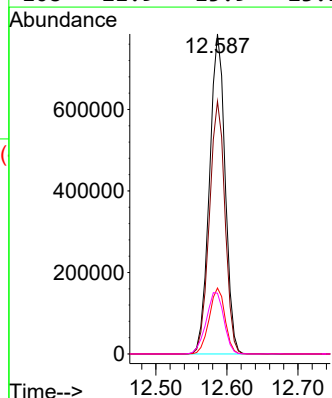
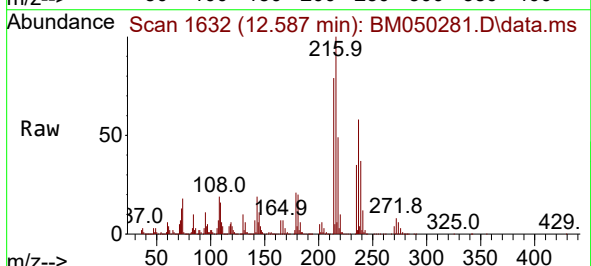
Ion Ratio Lower Upper

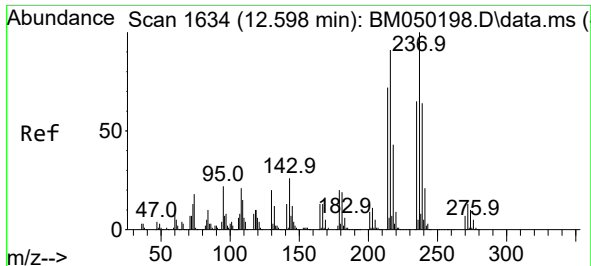
216 100

214 78.7 63.0 94.4

179 20.8 16.6 25.0

108 21.9 15.9 23.9

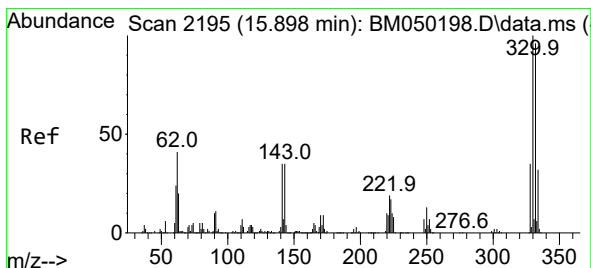
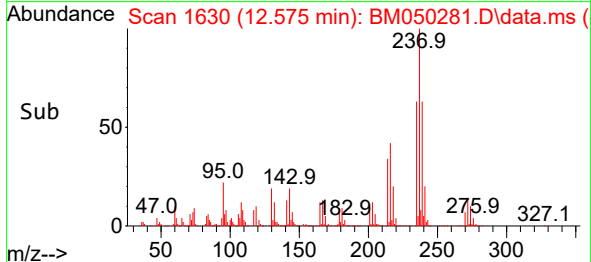
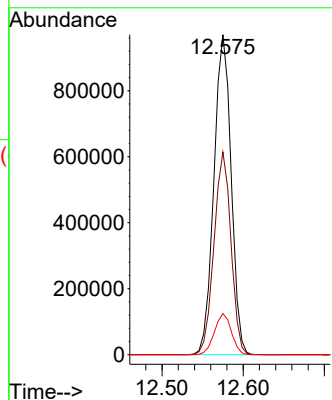
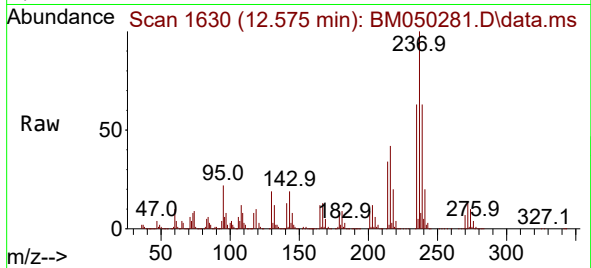




#41
Hexachlorocyclopentadiene
Concen: 97.987 ng
RT: 12.575 min Scan# 1630
Delta R.T. 0.000 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

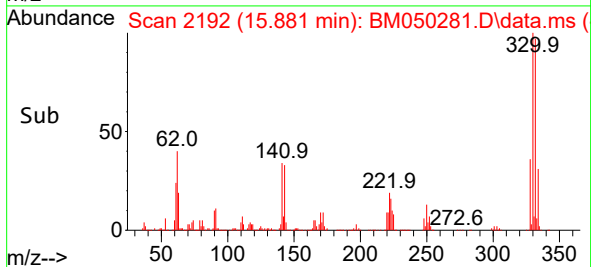
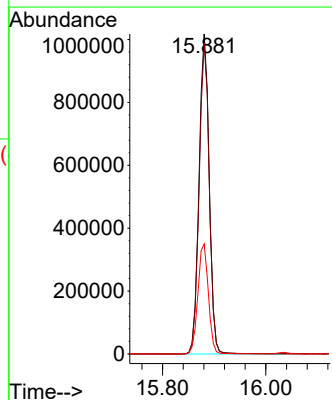
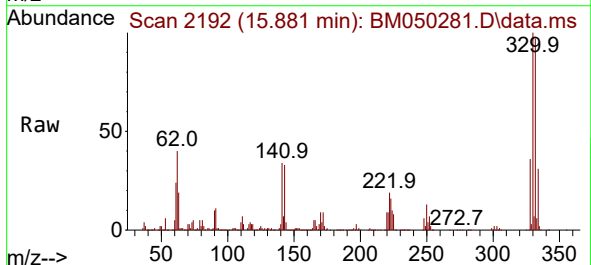
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MS

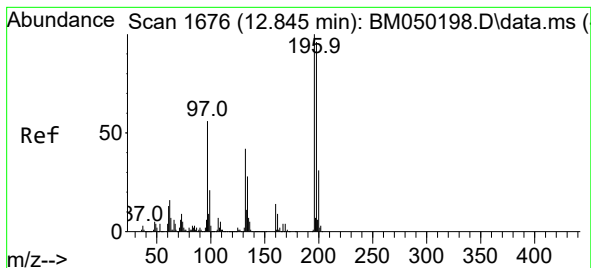
Tgt Ion:237 Resp: 1431195
Ion Ratio Lower Upper
237 100
235 63.3 44.6 84.6
272 12.9 0.0 33.1



#42
2,4,6-Tribromophenol
Concen: 146.683 ng
RT: 15.881 min Scan# 2192
Delta R.T. 0.000 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

Tgt Ion:330 Resp: 1389599
Ion Ratio Lower Upper
330 100
332 96.5 77.5 116.3
141 35.5 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 50.844 ng

RT: 12.822 min Scan# 1

Delta R.T. -0.005 min

Lab File: BM050281.D

Acq: 11 Jun 2025 19:23

Instrument :

BNA_M

ClientSampleId :

ARS20-0032MS

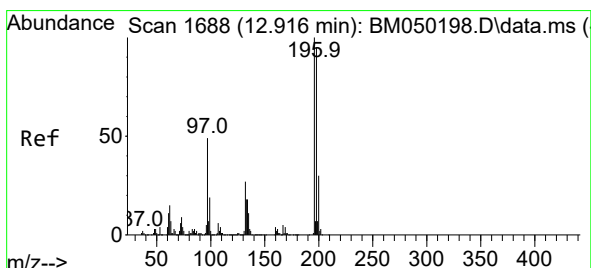
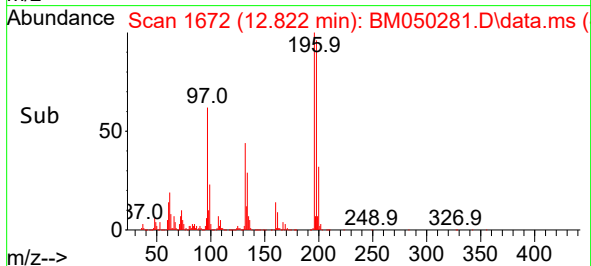
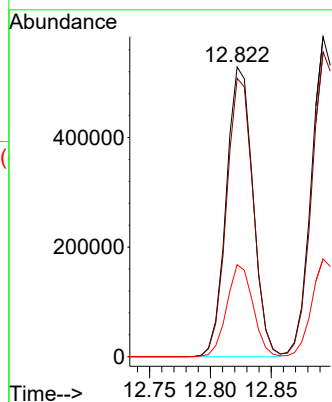
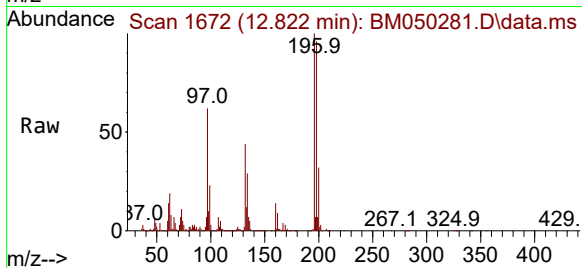
Tgt Ion:196 Resp: 804145

Ion Ratio Lower Upper

196 100

198 96.1 76.6 115.0

200 31.8 24.5 36.7



#44

2,4,5-Trichlorophenol

Concen: 51.501 ng

RT: 12.893 min Scan# 1684

Delta R.T. -0.005 min

Lab File: BM050281.D

Acq: 11 Jun 2025 19:23

Tgt Ion:196 Resp: 894325

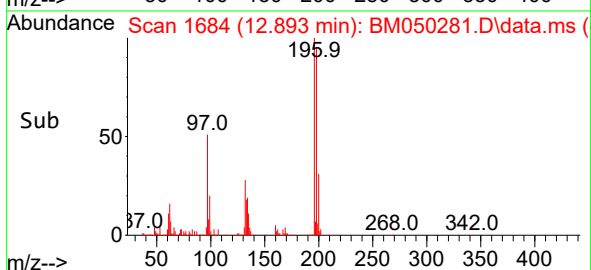
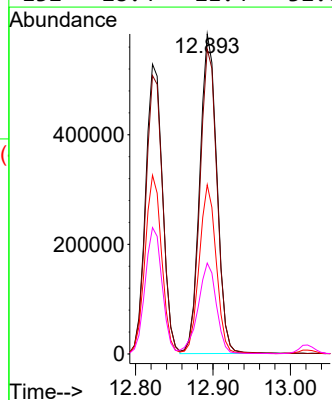
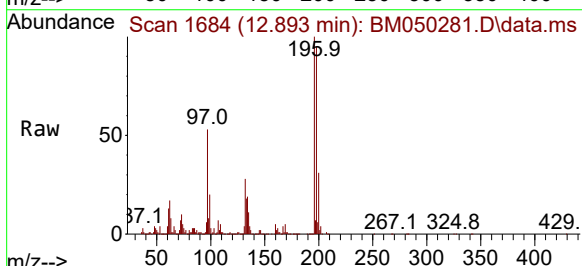
Ion Ratio Lower Upper

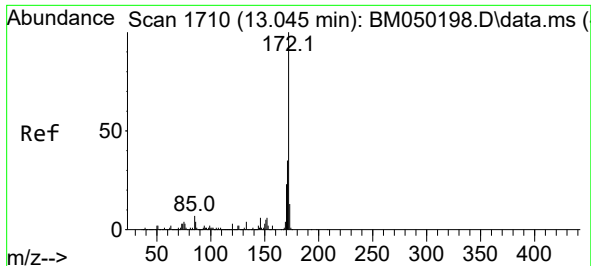
196 100

198 95.3 76.1 114.1

97 52.9 39.3 58.9

132 28.4 21.4 32.0

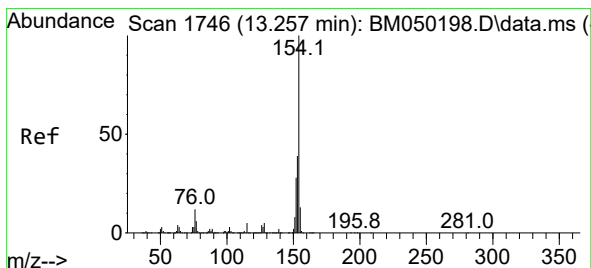
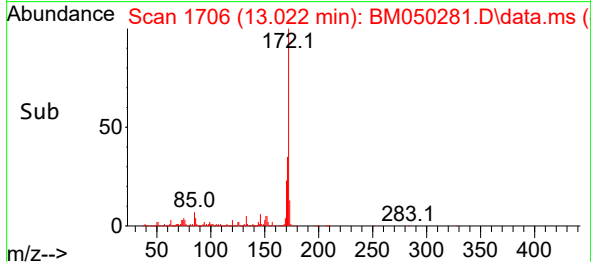
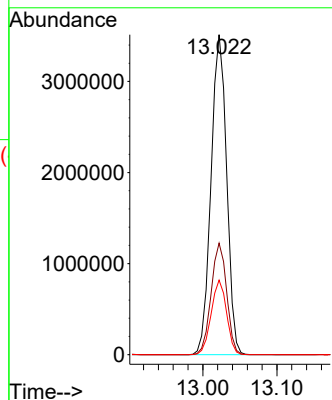
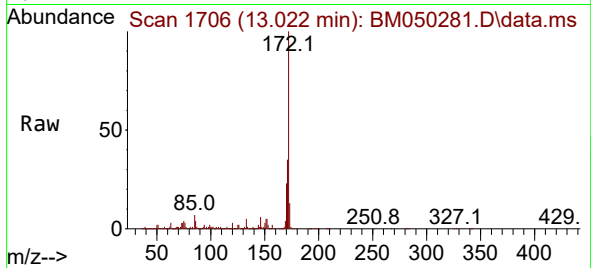




#45
2-Fluorobiphenyl
Concen: 83.452 ng
RT: 13.022 min Scan# 1706
Delta R.T. -0.005 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

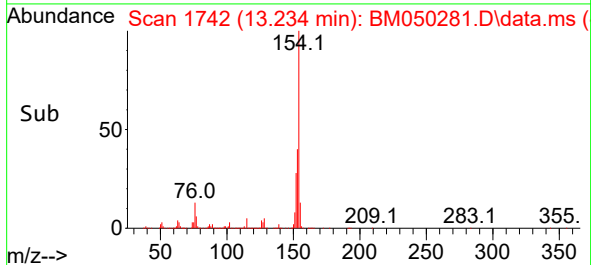
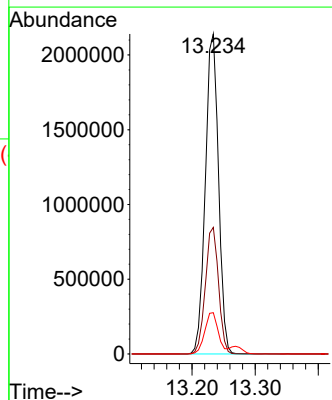
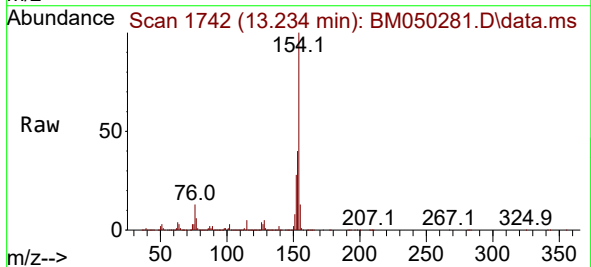
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MS

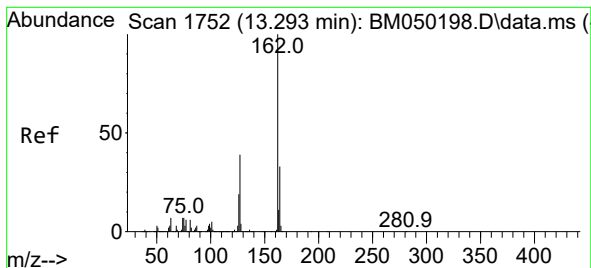
Tgt Ion:172 Resp: 5133962
Ion Ratio Lower Upper
172 100
171 34.8 27.8 41.6
170 23.3 18.6 27.8



#46
1,1'-Biphenyl
Concen: 49.734 ng
RT: 13.234 min Scan# 1742
Delta R.T. 0.000 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

Tgt Ion:154 Resp: 3101685
Ion Ratio Lower Upper
154 100
153 39.6 19.2 59.2
76 12.9 0.0 32.0

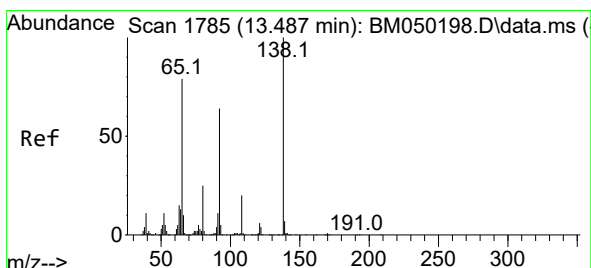
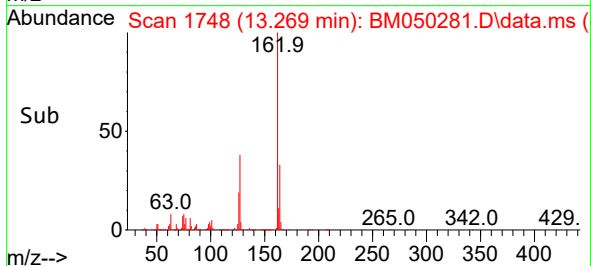
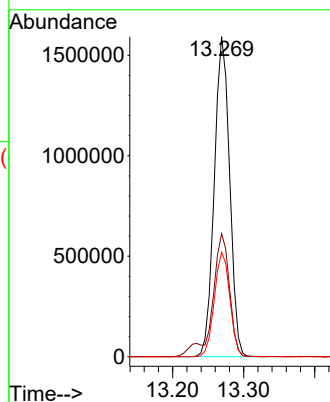
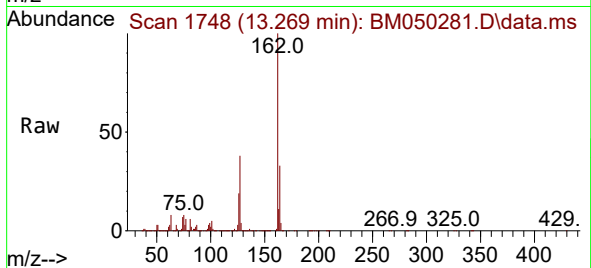




#47
2-Chloronaphthalene
Concen: 49.191 ng
RT: 13.269 min Scan# 1752
Delta R.T. -0.005 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

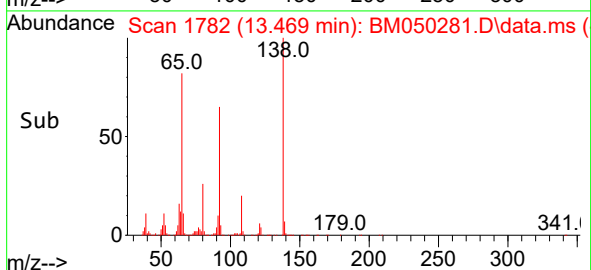
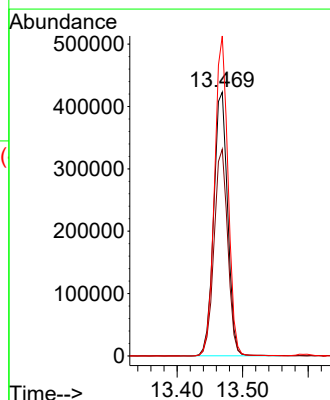
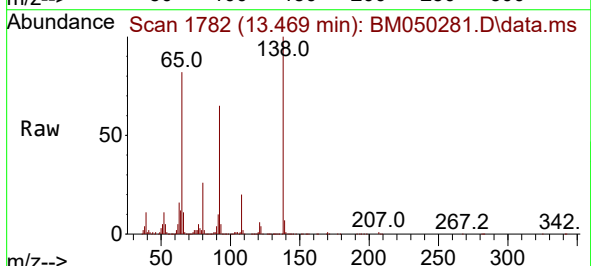
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MS

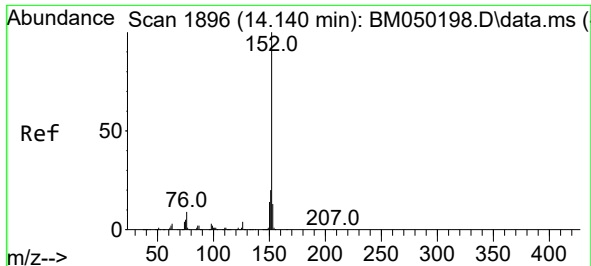
Tgt Ion:162 Resp: 2385063
Ion Ratio Lower Upper
162 100
127 38.5 31.1 46.7
164 32.6 26.5 39.7



#48
2-Nitroaniline
Concen: 58.462 ng
RT: 13.469 min Scan# 1782
Delta R.T. 0.000 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

Tgt Ion: 65 Resp: 623778
Ion Ratio Lower Upper
65 100
92 78.4 64.2 96.4
138 121.3 101.0 151.4

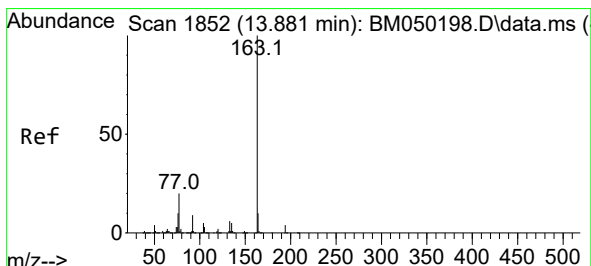
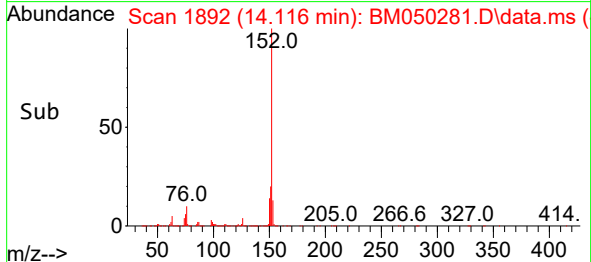
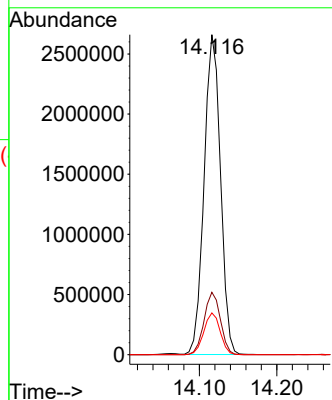
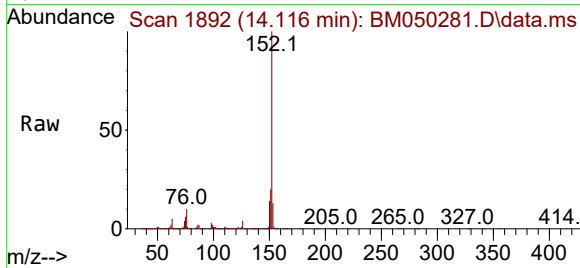




#49
Acenaphthylene
Concen: 49.781 ng
RT: 14.116 min Scan# 1892
Delta R.T. -0.005 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

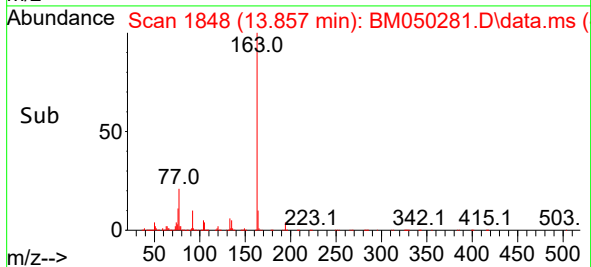
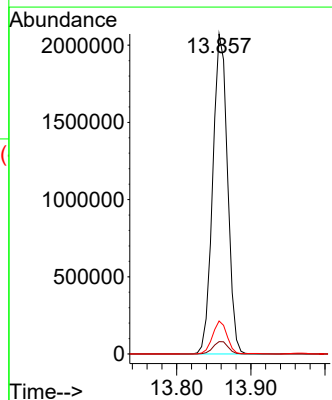
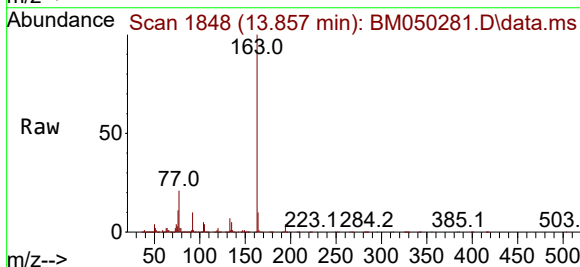
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MS

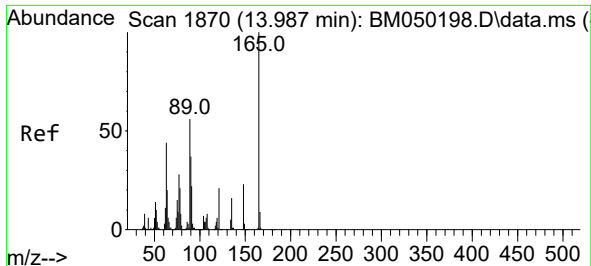
Tgt Ion:152 Resp: 3903918
Ion Ratio Lower Upper
152 100
151 19.5 15.8 23.6
153 13.1 10.4 15.6



#50
Dimethylphthalate
Concen: 50.938 ng
RT: 13.857 min Scan# 1848
Delta R.T. -0.005 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

Tgt Ion:163 Resp: 2869243
Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 10.3 7.9 11.9

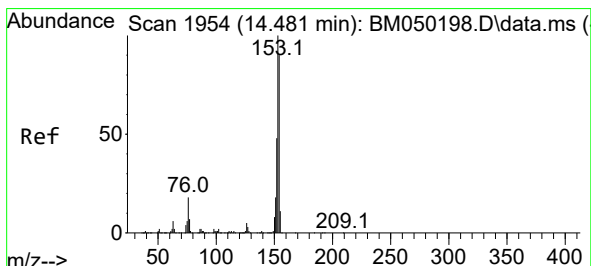
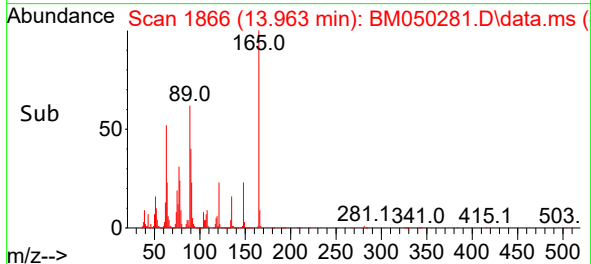
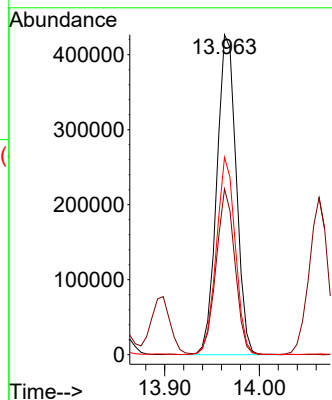
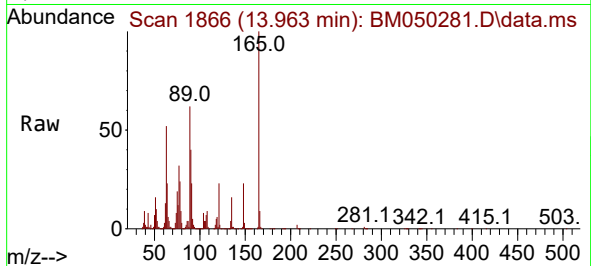




#51
2,6-Dinitrotoluene
Concen: 53.695 ng
RT: 13.963 min Scan# 1866
Delta R.T. -0.005 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

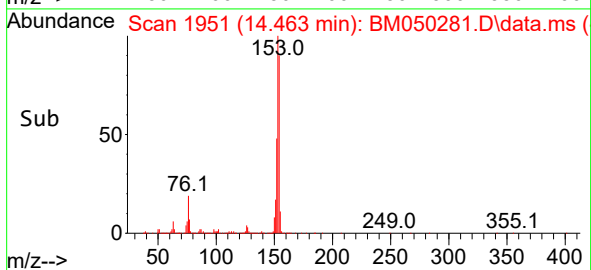
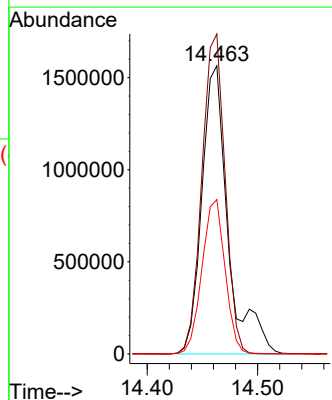
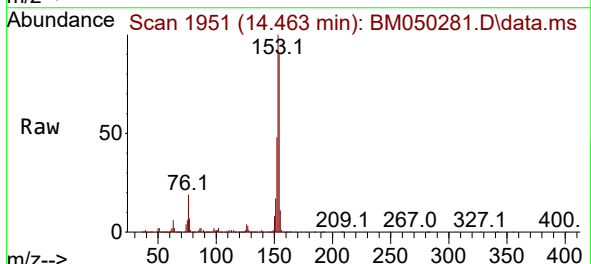
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MS

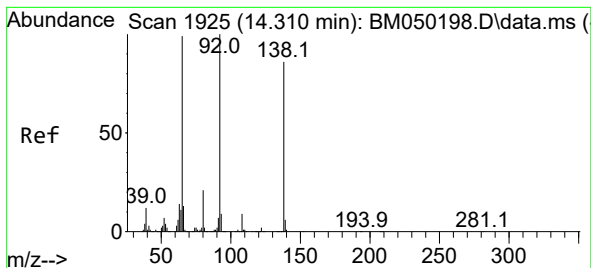
Tgt Ion:165 Resp: 609948
Ion Ratio Lower Upper
165 100
63 51.8 35.8 53.6
89 61.7 44.8 67.2



#52
Acenaphthene
Concen: 52.749 ng m
RT: 14.463 min Scan# 1951
Delta R.T. 0.000 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

Tgt Ion:154 Resp: 2587392
Ion Ratio Lower Upper
154 100
153 111.1 88.7 133.1
152 53.6 42.6 63.8

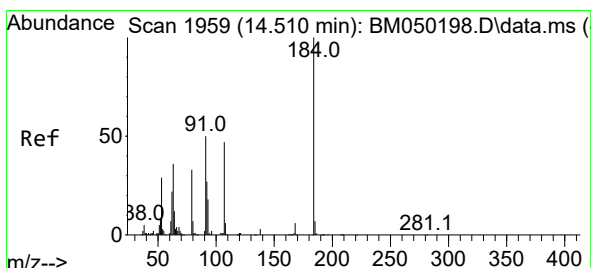
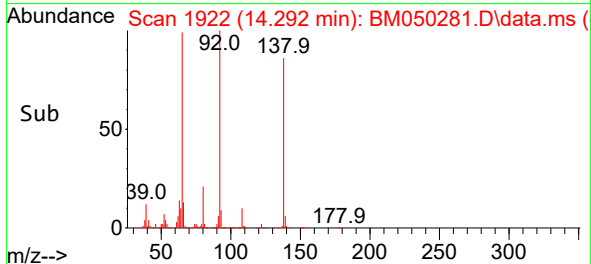
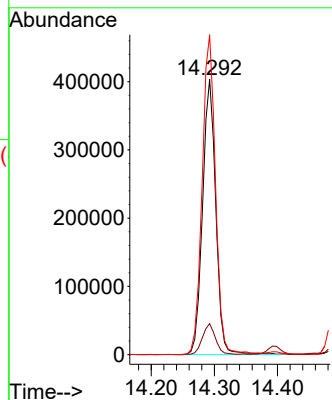
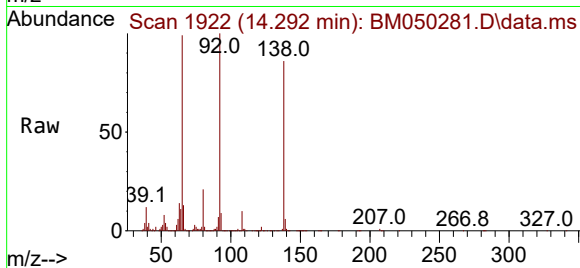




#53
3-Nitroaniline
Concen: 46.341 ng
RT: 14.292 min Scan# 1922
Delta R.T. 0.000 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

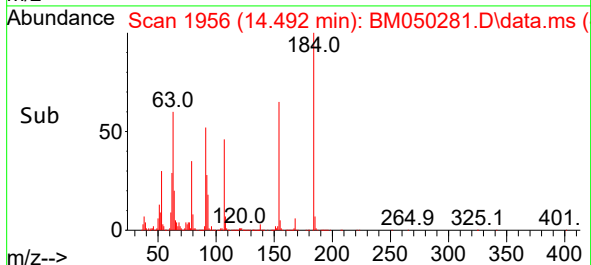
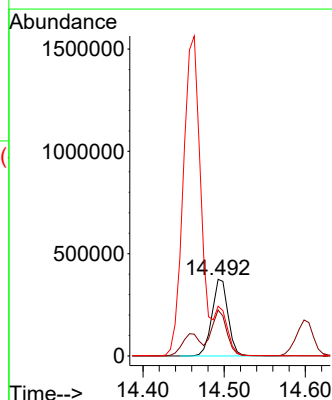
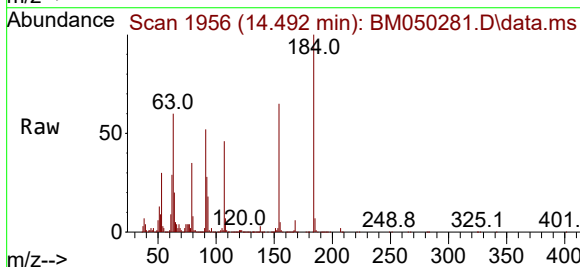
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MS

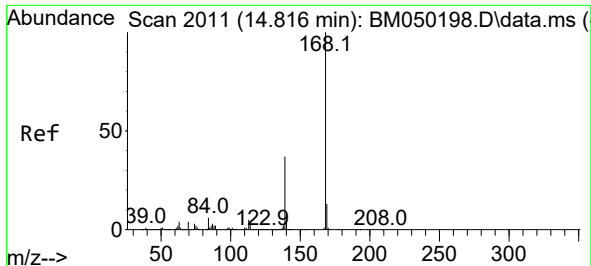
Tgt Ion:138 Resp: 586692
Ion Ratio Lower Upper
138 100
108 11.3 8.8 13.2
92 116.2 92.9 139.3



#54
2,4-Dinitrophenol
Concen: 76.398 ng
RT: 14.492 min Scan# 1956
Delta R.T. 0.000 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

Tgt Ion:184 Resp: 514389
Ion Ratio Lower Upper
184 100
63 60.0 45.3 67.9
154 64.9 54.3 81.5

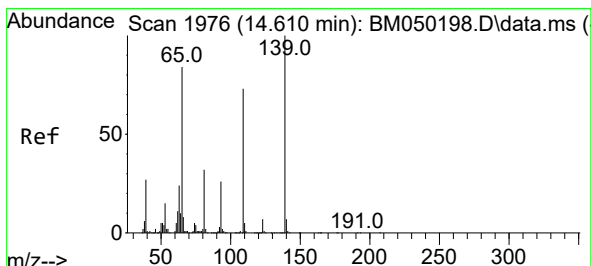
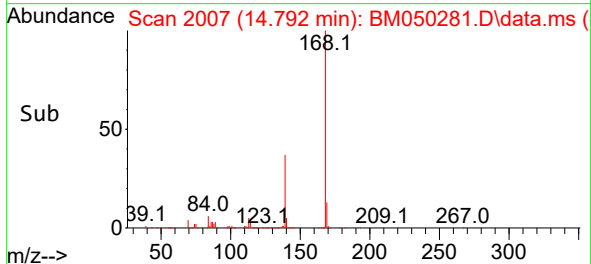
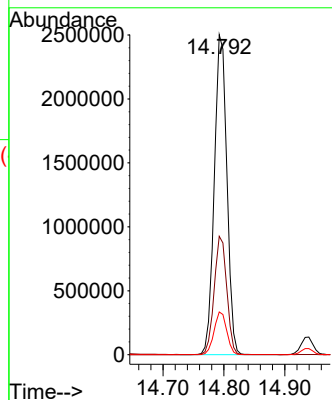
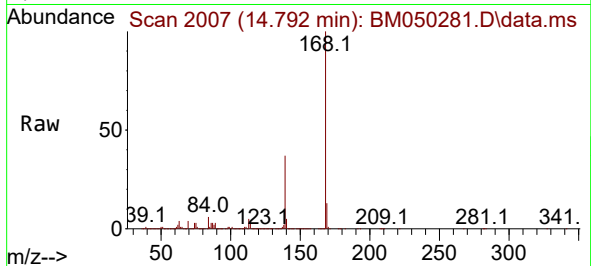




#55
Dibenzofuran
Concen: 50.109 ng
RT: 14.792 min Scan# 2011
Delta R.T. -0.005 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

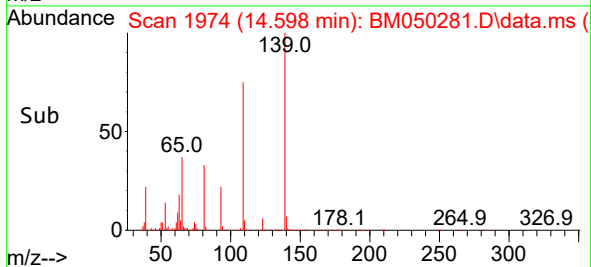
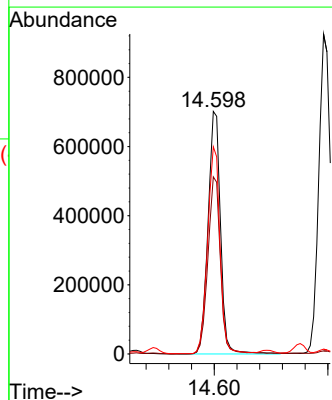
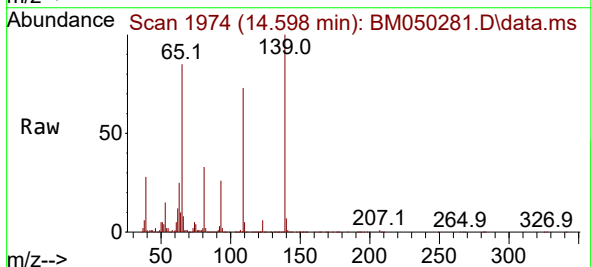
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MS

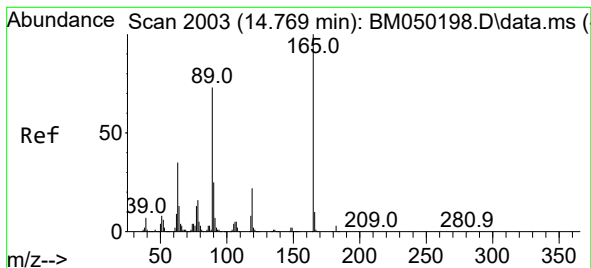
Tgt Ion:168 Resp: 3595883
Ion Ratio Lower Upper
168 100
139 37.0 29.9 44.9
169 13.4 10.6 16.0



#56
4-Nitrophenol
Concen: 99.241 ng
RT: 14.598 min Scan# 1974
Delta R.T. 0.000 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

Tgt Ion:139 Resp: 1069374
Ion Ratio Lower Upper
139 100
109 73.1 52.6 92.6
65 85.5 64.3 104.3

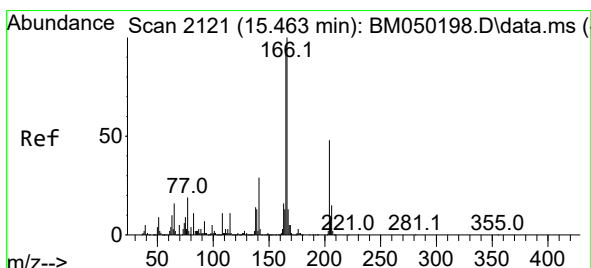
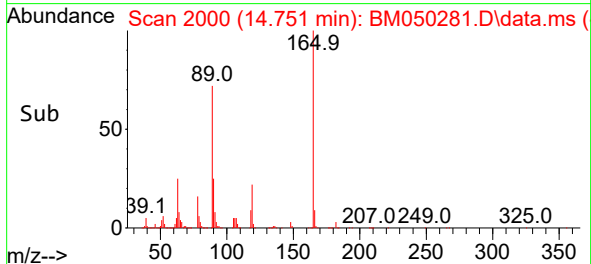
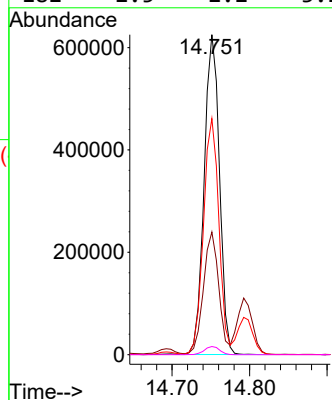
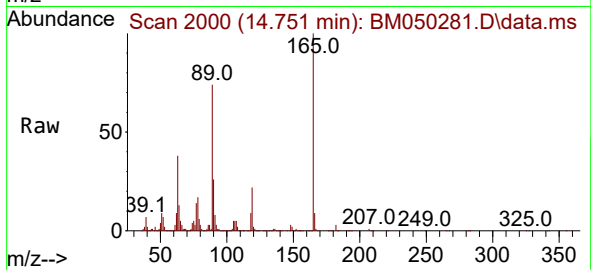




#57
2,4-Dinitrotoluene
Concen: 57.101 ng
RT: 14.751 min Scan# 20
Delta R.T. 0.000 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

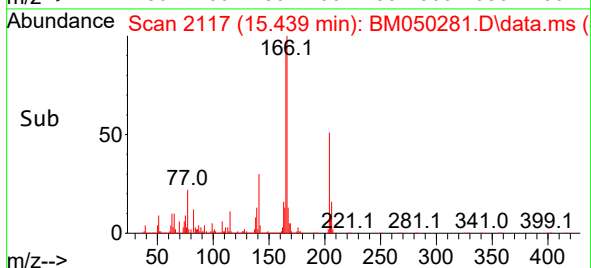
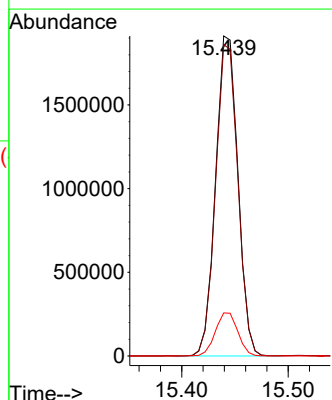
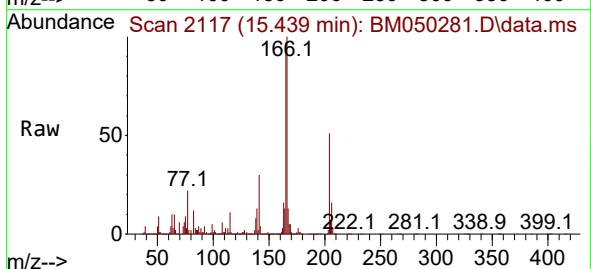
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MS

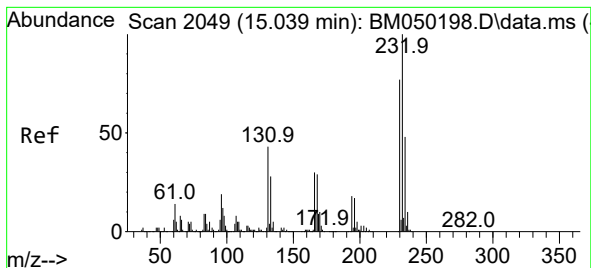
Tgt Ion:165 Resp: 855637
Ion Ratio Lower Upper
165 100
63 38.3 28.4 42.6
89 73.8 58.0 87.0
182 2.5 2.2 3.2



#58
Fluorene
Concen: 50.515 ng
RT: 15.439 min Scan# 2117
Delta R.T. -0.005 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

Tgt Ion:166 Resp: 2776488
Ion Ratio Lower Upper
166 100
165 97.3 77.0 115.4
167 13.4 10.7 16.1

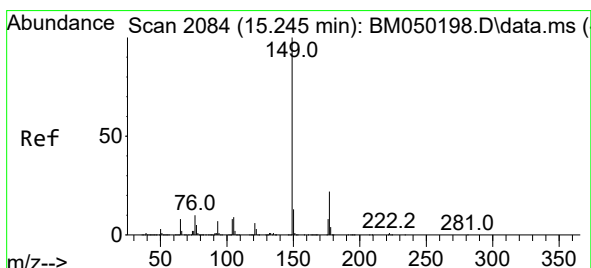
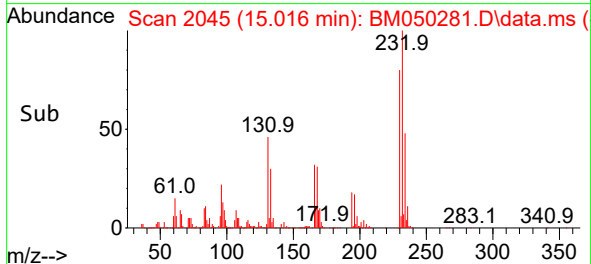
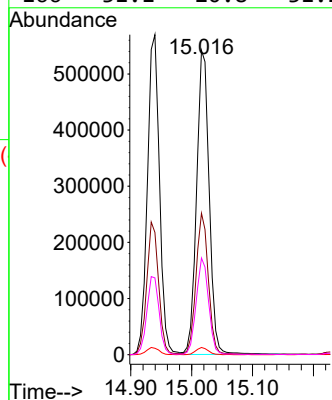
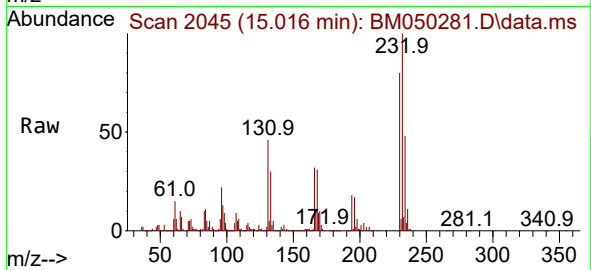




#59
2,3,4,6-Tetrachlorophenol
Concen: 51.856 ng
RT: 15.016 min Scan# 2045
Delta R.T. -0.005 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

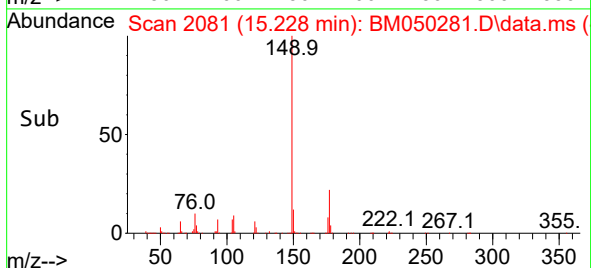
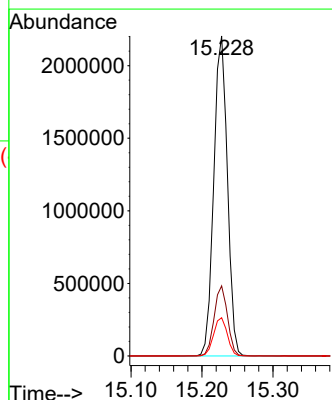
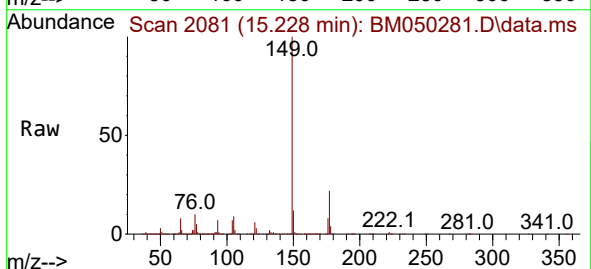
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MS

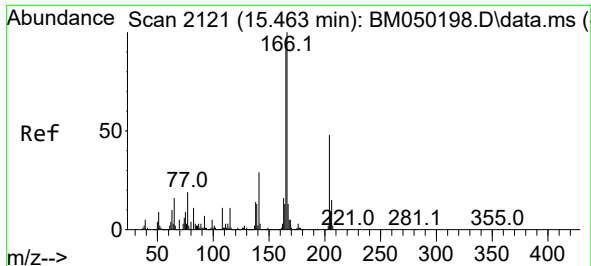
Tgt Ion:232 Resp: 779081
Ion Ratio Lower Upper
232 100
131 45.1 32.9 49.3
130 2.3 1.8 2.8
166 31.1 20.8 31.2



#60
Diethylphthalate
Concen: 52.390 ng
RT: 15.228 min Scan# 2081
Delta R.T. 0.000 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

Tgt Ion:149 Resp: 2928033
Ion Ratio Lower Upper
149 100
177 21.9 17.2 25.8
150 11.9 10.0 15.0

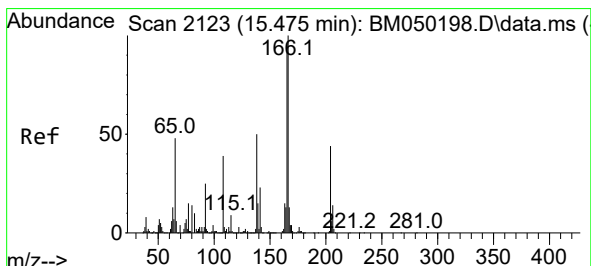
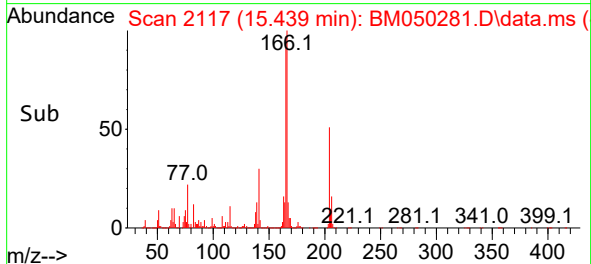
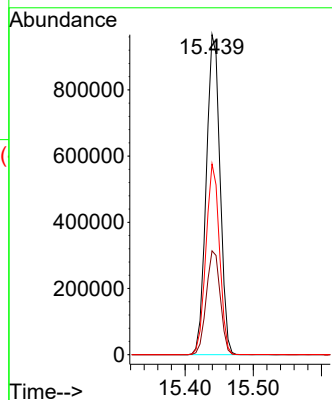
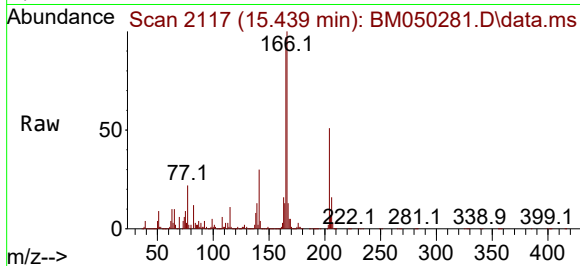




#61
4-Chlorophenyl-phenylether
Concen: 51.048 ng
RT: 15.439 min Scan# 2117
Delta R.T. -0.005 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

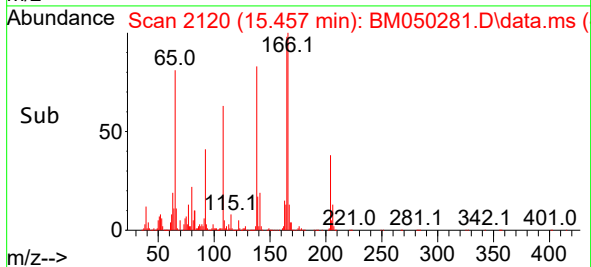
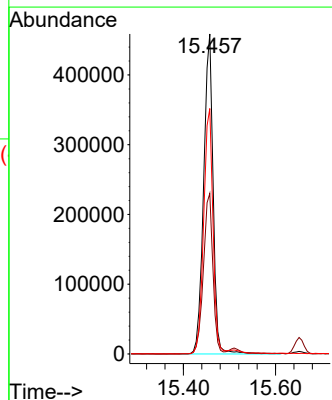
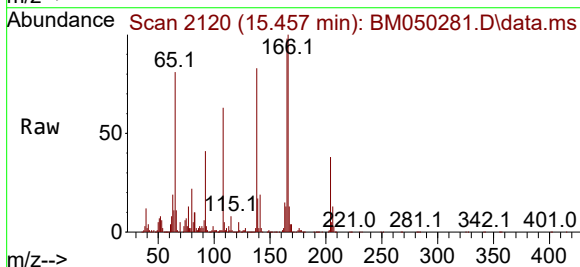
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MS

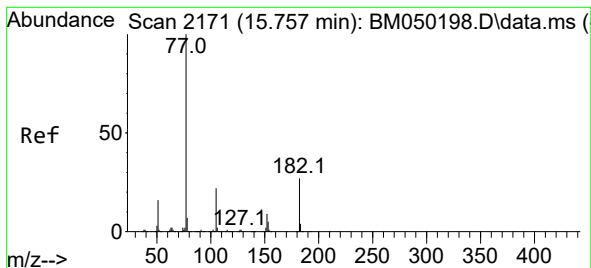
Tgt Ion:204 Resp: 1356051
Ion Ratio Lower Upper
204 100
206 32.4 25.4 38.0
141 59.6 47.9 71.9



#62
4-Nitroaniline
Concen: 55.746 ng
RT: 15.457 min Scan# 2120
Delta R.T. 0.000 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

Tgt Ion:138 Resp: 661481
Ion Ratio Lower Upper
138 100
92 50.1 28.8 68.8
108 76.7 58.1 98.1





#63

Azobenzene

Concen: 52.402 ng

RT: 15.734 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM050281.D

Acq: 11 Jun 2025 19:23

Instrument :

BNA_M

ClientSampleId :

ARS20-0032MS

Tgt Ion: 77 Resp: 2927296

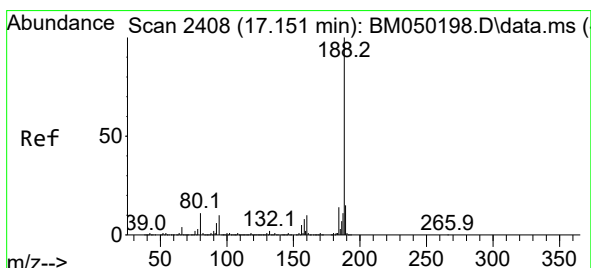
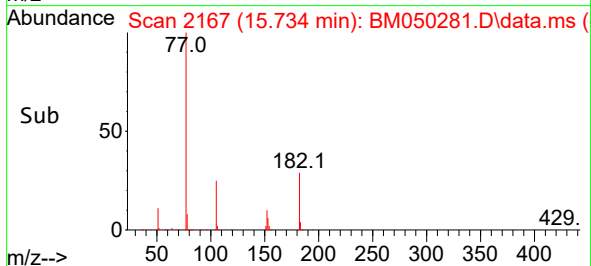
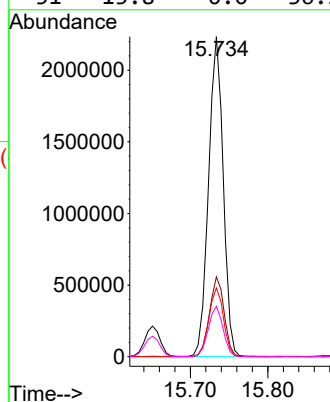
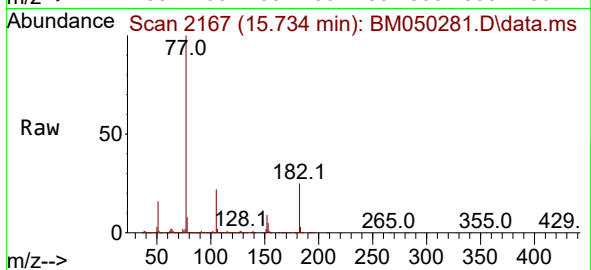
Ion Ratio Lower Upper

77 100

182 24.9 6.8 46.8

105 21.5 1.7 41.7

51 15.8 0.0 36.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.133 min Scan# 2405

Delta R.T. -0.005 min

Lab File: BM050281.D

Acq: 11 Jun 2025 19:23

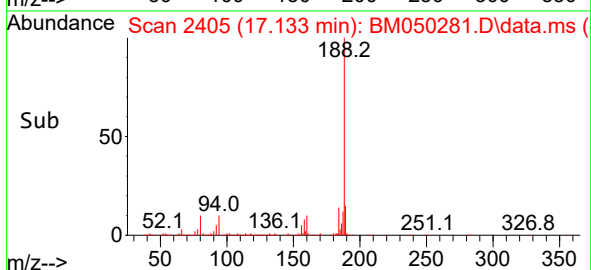
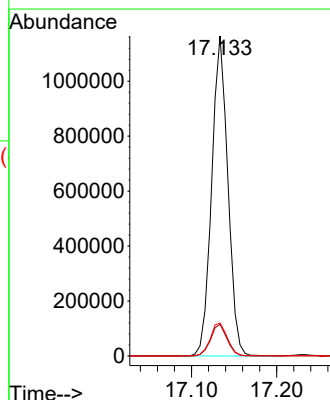
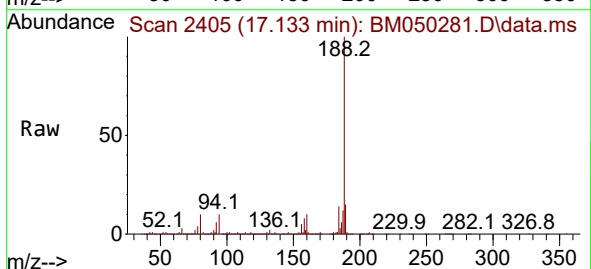
Tgt Ion:188 Resp: 1533181

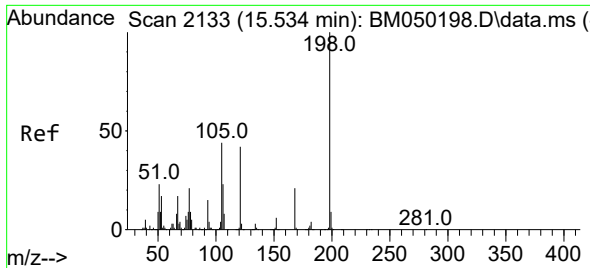
Ion Ratio Lower Upper

188 100

94 9.9 8.1 12.1

80 10.3 8.6 13.0

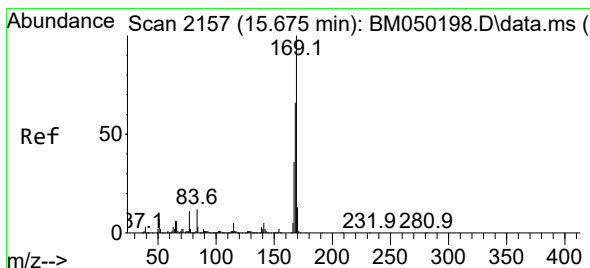
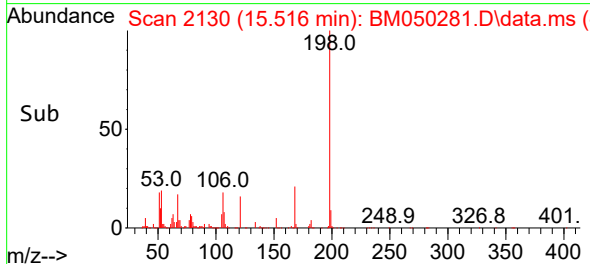
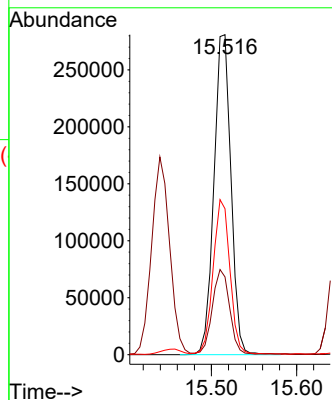
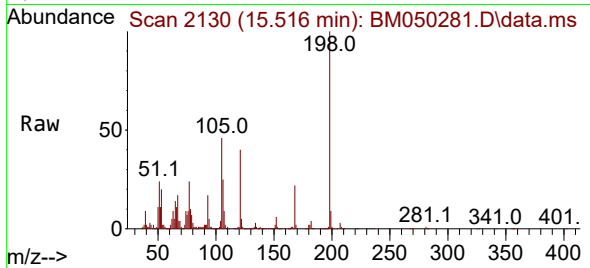




#65
4,6-Dinitro-2-methylphenol
Concen: 46.642 ng
RT: 15.516 min Scan# 2133
Delta R.T. 0.000 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

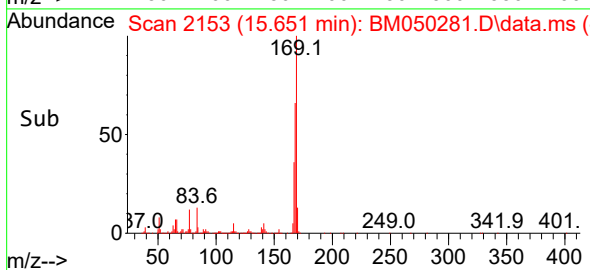
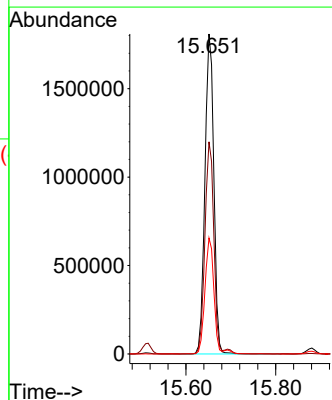
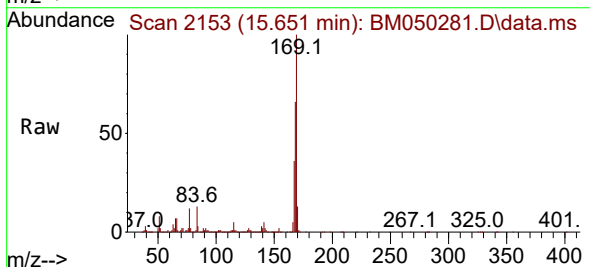
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MS

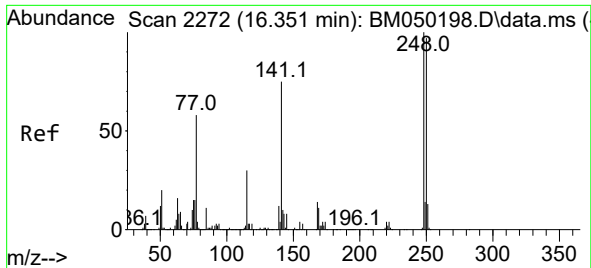
Tgt Ion:198 Resp: 390583
Ion Ratio Lower Upper
198 100
51 24.3 4.5 44.5
105 45.6 24.9 64.9



#66
n-Nitrosodiphenylamine
Concen: 51.523 ng
RT: 15.651 min Scan# 2153
Delta R.T. -0.005 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

Tgt Ion:169 Resp: 2482051
Ion Ratio Lower Upper
169 100
168 66.3 53.1 79.7
167 36.3 29.0 43.6

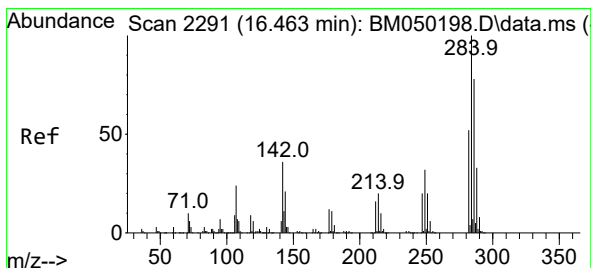
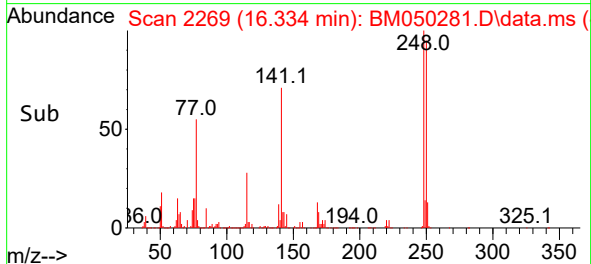
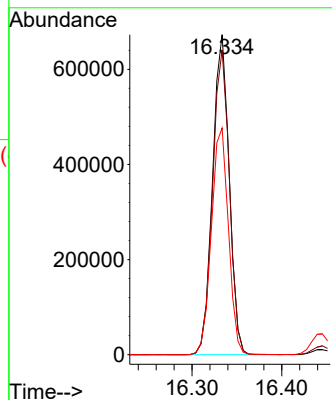
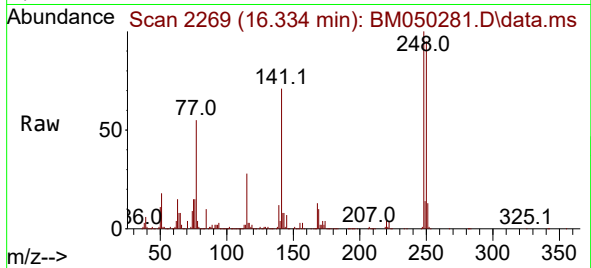




#67
4-Bromophenyl-phenylether
Concen: 52.832 ng
RT: 16.334 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

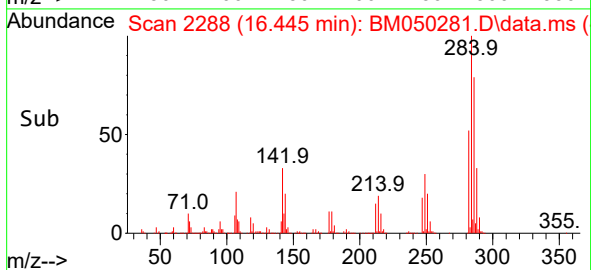
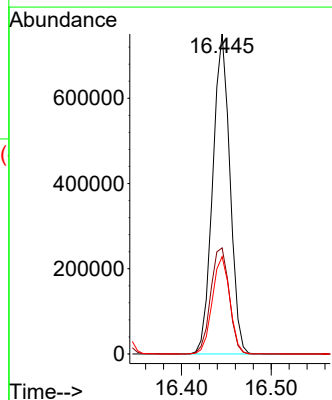
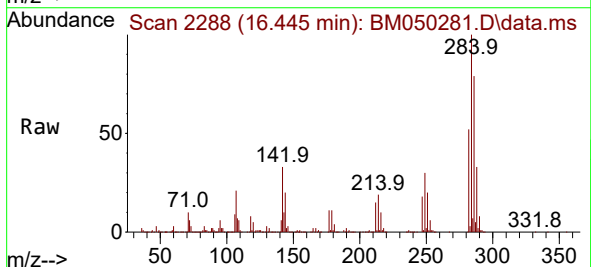
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MS

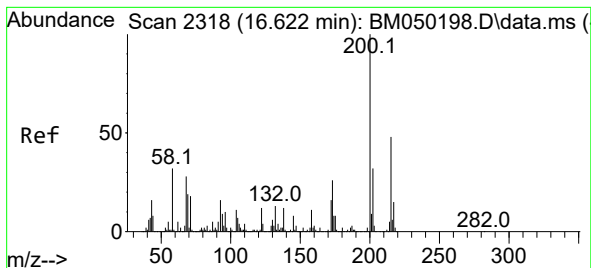
Tgt Ion:248 Resp: 863779
Ion Ratio Lower Upper
248 100
250 95.2 78.0 117.0
141 70.9 60.1 90.1



#68
Hexachlorobenzene
Concen: 52.333 ng
RT: 16.445 min Scan# 2288
Delta R.T. 0.000 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

Tgt Ion:284 Resp: 999682
Ion Ratio Lower Upper
284 100
142 33.1 28.8 43.2
249 30.4 25.8 38.6





#69

Atrazine

Concen: 55.405 ng

RT: 16.604 min Scan# 21

Delta R.T. -0.005 min

Lab File: BM050281.D

Acq: 11 Jun 2025 19:23

Instrument :

BNA_M

ClientSampleId :

ARS20-0032MS

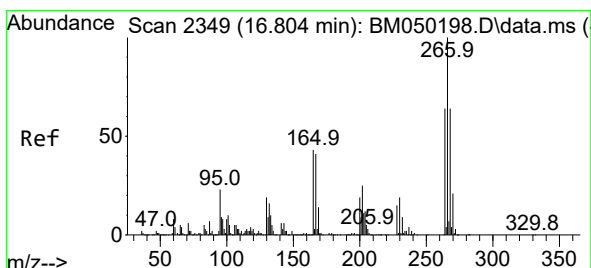
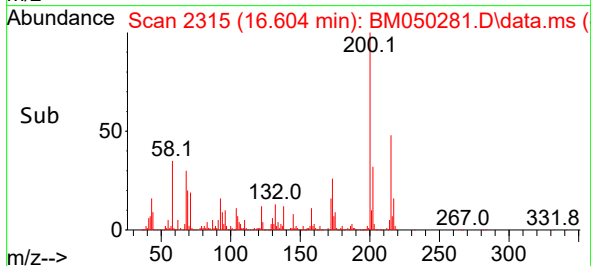
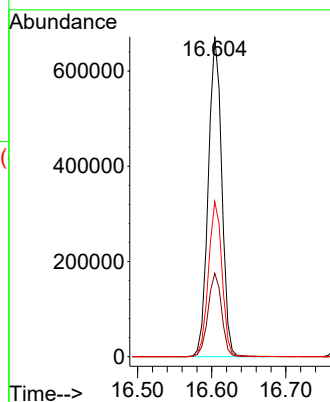
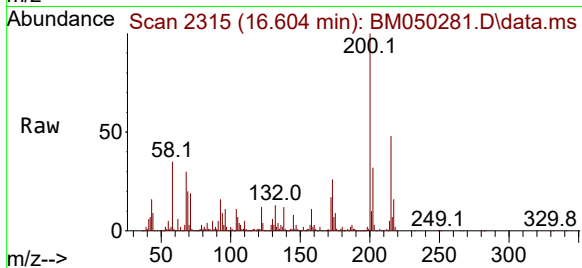
Tgt Ion:200 Resp: 850445

Ion Ratio Lower Upper

200 100

173 26.1 6.0 46.0

215 48.4 28.1 68.1



#70

Pentachlorophenol

Concen: 109.305 ng

RT: 16.786 min Scan# 2346

Delta R.T. 0.000 min

Lab File: BM050281.D

Acq: 11 Jun 2025 19:23

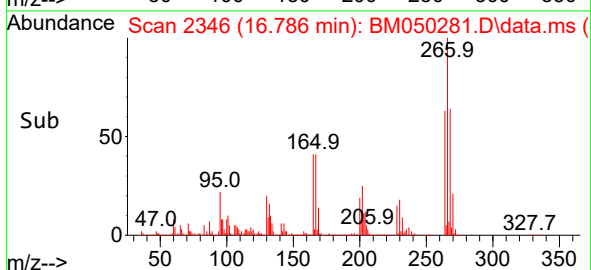
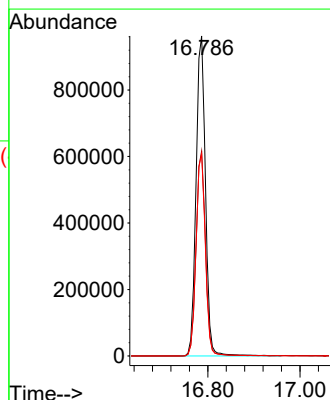
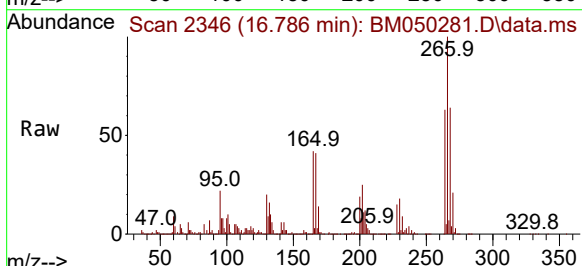
Tgt Ion:266 Resp: 1357499

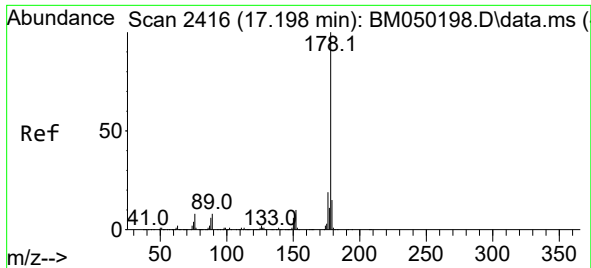
Ion Ratio Lower Upper

266 100

268 64.0 51.0 76.6

264 63.3 50.8 76.2

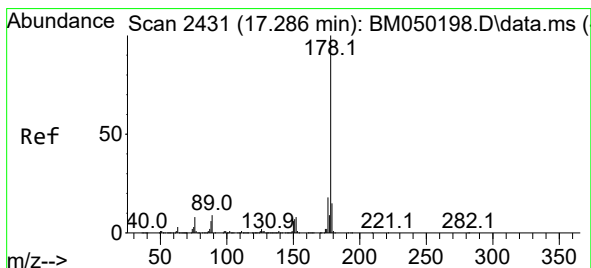
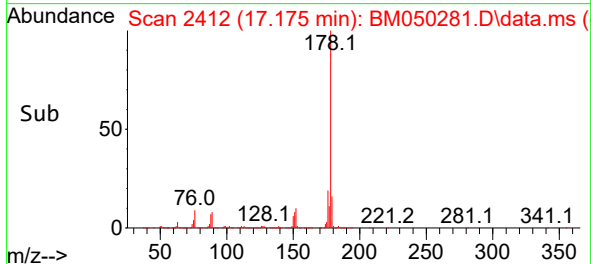
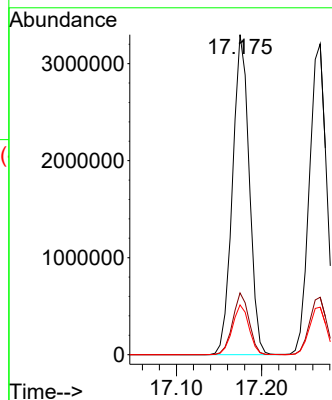
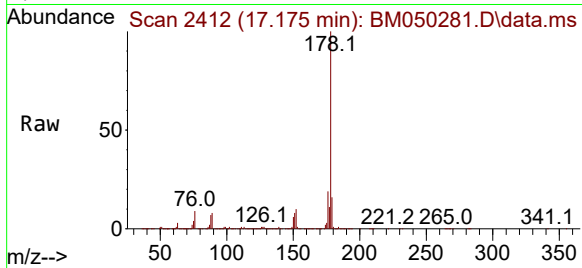




#71
Phenanthrene
Concen: 51.333 ng
RT: 17.175 min Scan# 2416
Delta R.T. -0.005 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

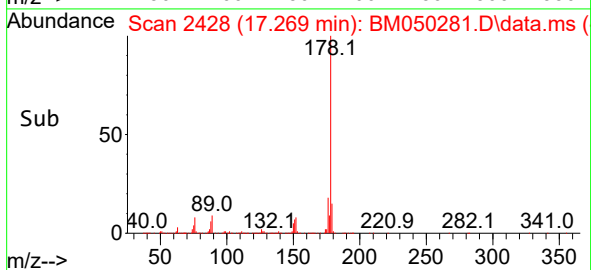
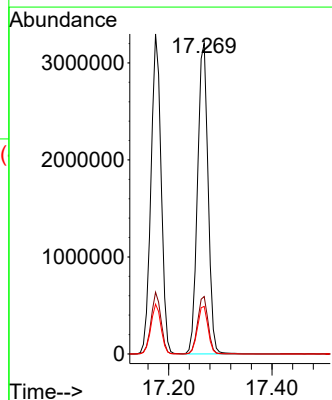
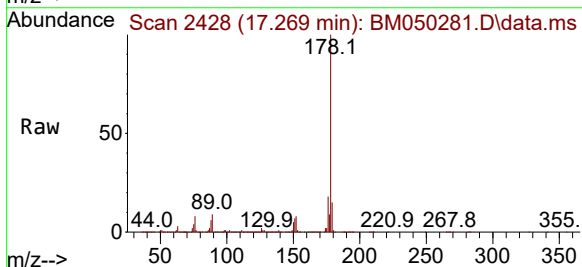
Instrument :
BNA_M
ClientSampleId :
ARS20-0032MS

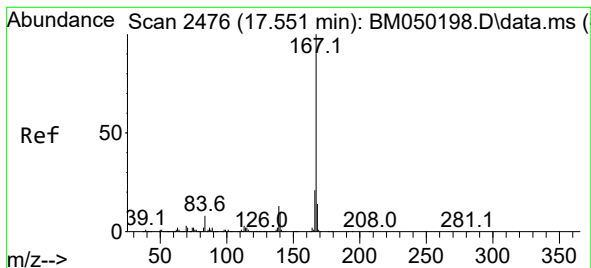
Tgt Ion:178 Resp: 4495995
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 15.5 12.3 18.5



#72
Anthracene
Concen: 51.662 ng
RT: 17.269 min Scan# 2428
Delta R.T. 0.000 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

Tgt Ion:178 Resp: 4526663
Ion Ratio Lower Upper
178 100
176 18.5 14.8 22.2
179 15.3 12.3 18.5





#73

Carbazole

Concen: 52.953 ng

RT: 17.533 min Scan# 24

Delta R.T. 0.000 min

Lab File: BM050281.D

Acq: 11 Jun 2025 19:23

Instrument :

BNA_M

ClientSampleId :

ARS20-0032MS

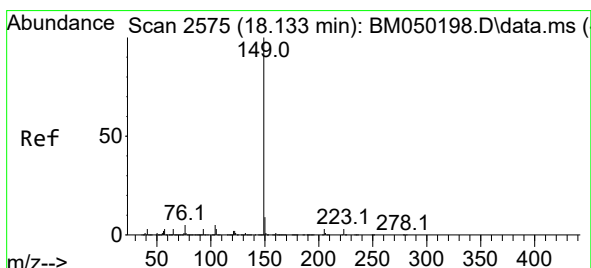
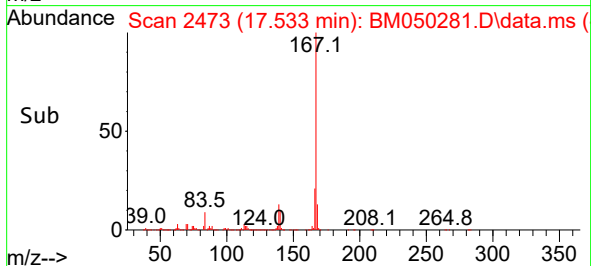
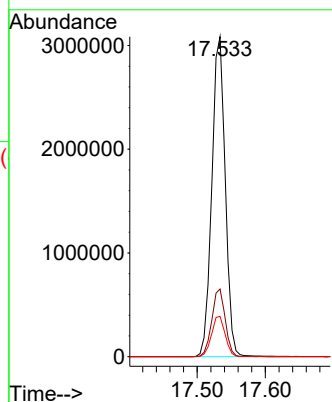
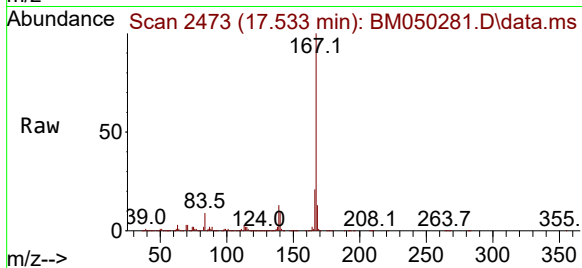
Tgt Ion:167 Resp: 4226897

Ion Ratio Lower Upper

167 100

166 21.1 17.0 25.6

139 12.6 10.2 15.4



#74

Di-n-butylphthalate

Concen: 57.110 ng

RT: 18.110 min Scan# 2571

Delta R.T. -0.005 min

Lab File: BM050281.D

Acq: 11 Jun 2025 19:23

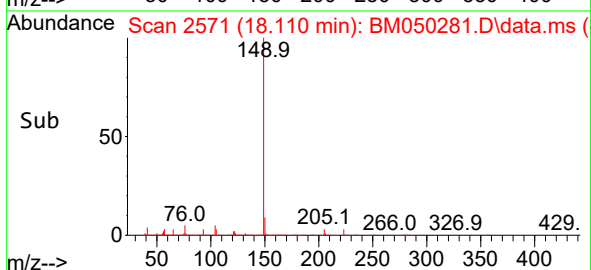
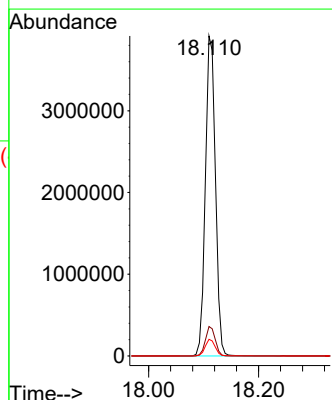
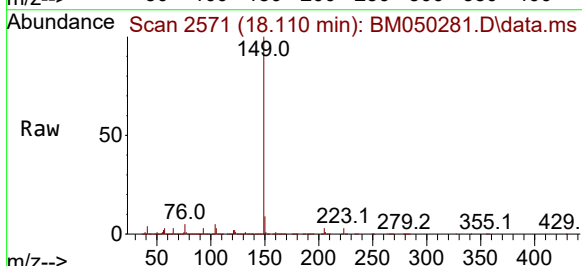
Tgt Ion:149 Resp: 4960269

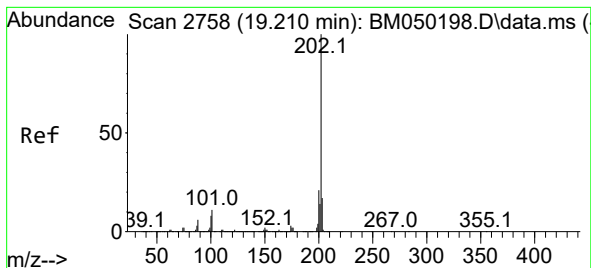
Ion Ratio Lower Upper

149 100

150 9.2 7.4 11.0

104 5.2 4.0 6.0





#75

Fluoranthene

Concen: 54.333 ng

RT: 19.192 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM050281.D

Acq: 11 Jun 2025 19:23

Instrument :

BNA_M

ClientSampleId :

ARS20-0032MS

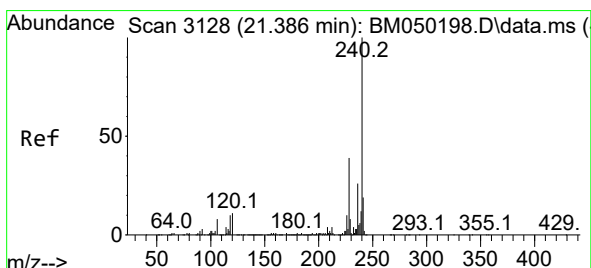
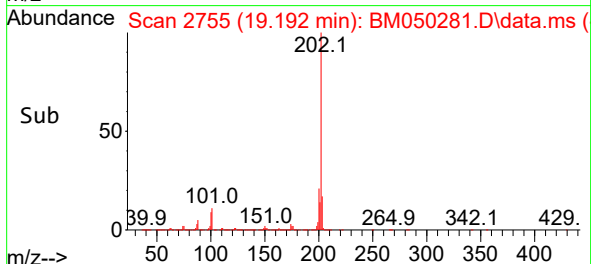
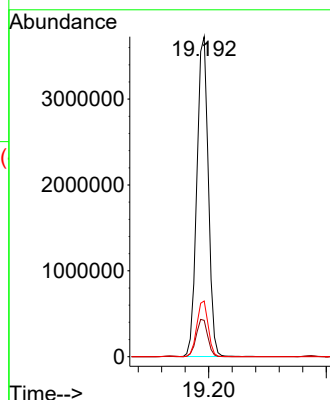
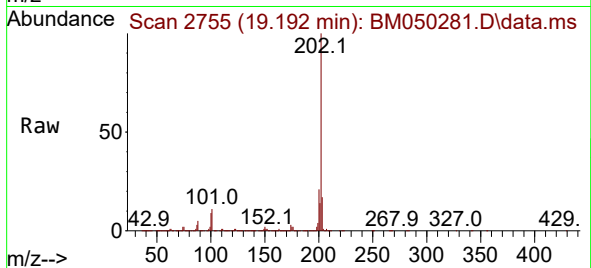
Tgt Ion:202 Resp: 5018430

Ion Ratio Lower Upper

202 100

101 11.4 0.0 31.1

203 17.4 0.0 37.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.363 min Scan# 3124

Delta R.T. -0.011 min

Lab File: BM050281.D

Acq: 11 Jun 2025 19:23

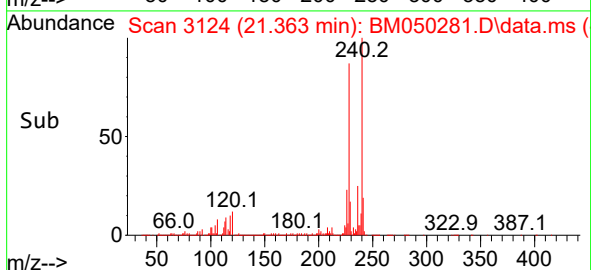
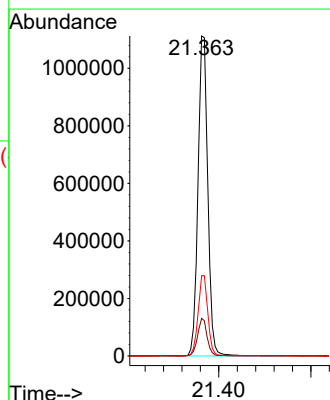
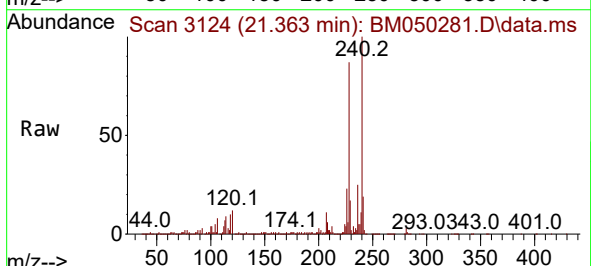
Tgt Ion:240 Resp: 1635520

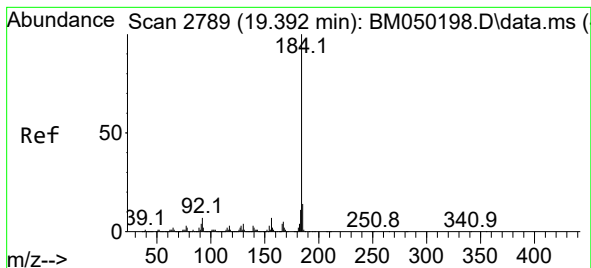
Ion Ratio Lower Upper

240 100

120 11.8 9.0 13.4

236 25.1 20.7 31.1





#77

Benzidine

Concen: 49.960 ng

RT: 19.375 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM050281.D

Acq: 11 Jun 2025 19:23

Instrument :

BNA_M

ClientSampleId :

ARS20-0032MS

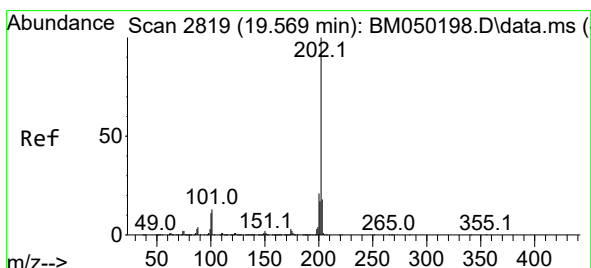
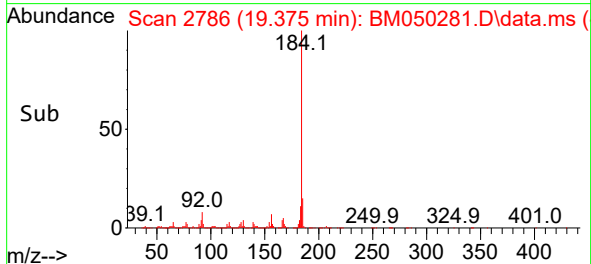
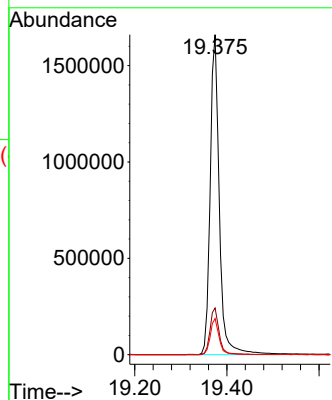
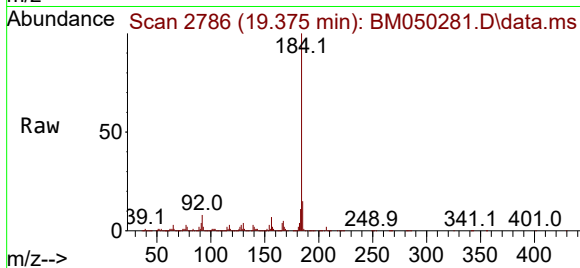
Tgt Ion:184 Resp: 2297747

Ion Ratio Lower Upper

184 100

185 14.6 11.5 17.3

183 11.3 9.0 13.4



#78

Pyrene

Concen: 48.326 ng

RT: 19.551 min Scan# 2816

Delta R.T. -0.005 min

Lab File: BM050281.D

Acq: 11 Jun 2025 19:23

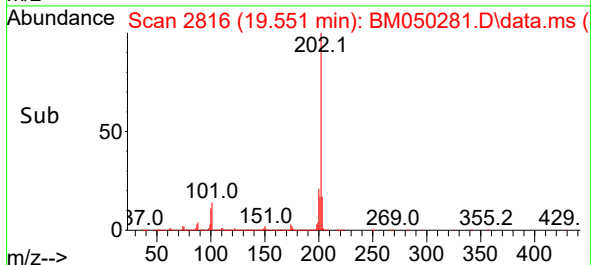
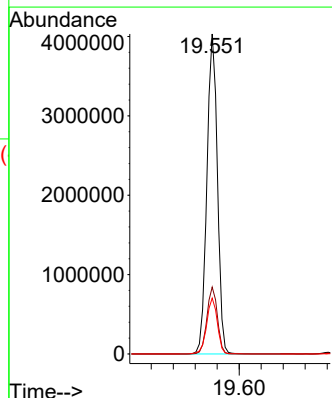
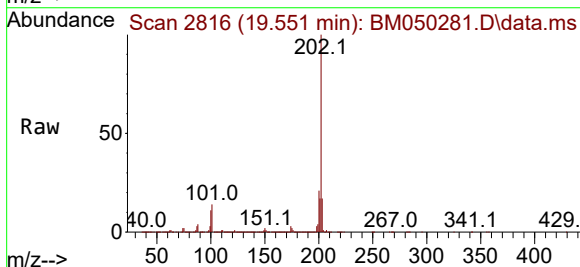
Tgt Ion:202 Resp: 5327195

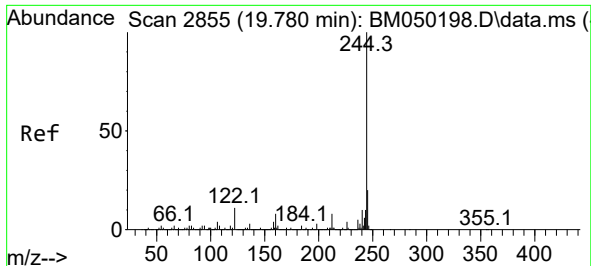
Ion Ratio Lower Upper

202 100

200 20.9 16.7 25.1

203 17.5 14.1 21.1

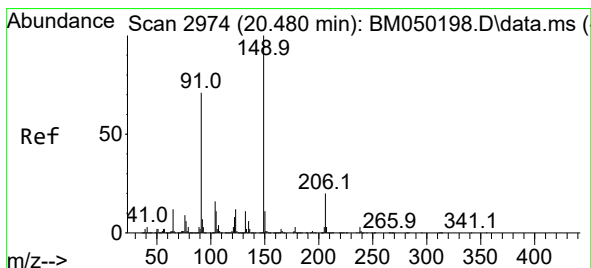
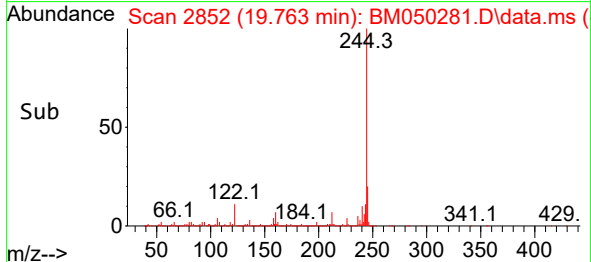
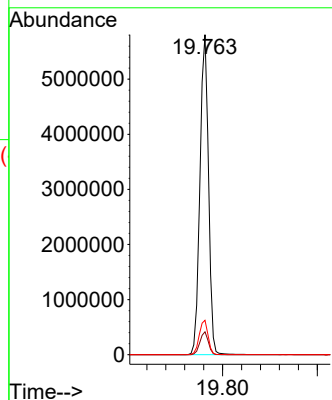
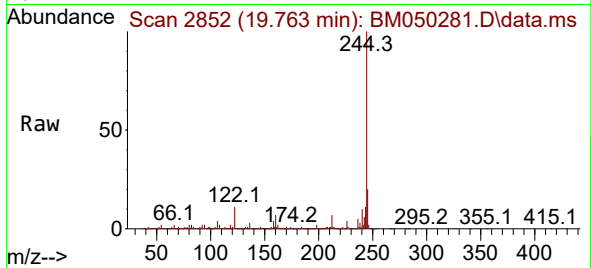




#79
 Terphenyl-d14
 Concen: 84.237 ng
 RT: 19.763 min Scan# 2852
 Delta R.T. -0.005 min
 Lab File: BM050281.D
 Acq: 11 Jun 2025 19:23

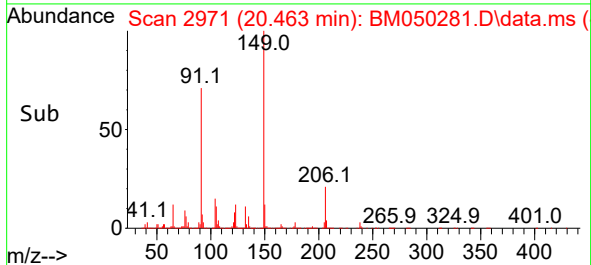
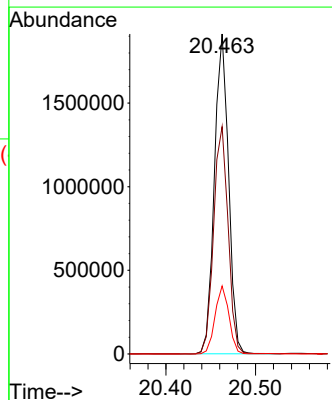
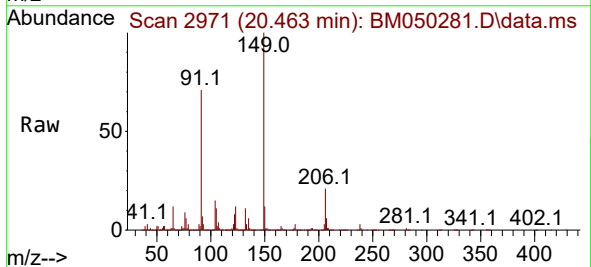
Instrument :
 BNA_M
 ClientSampleId :
 ARS20-0032MS

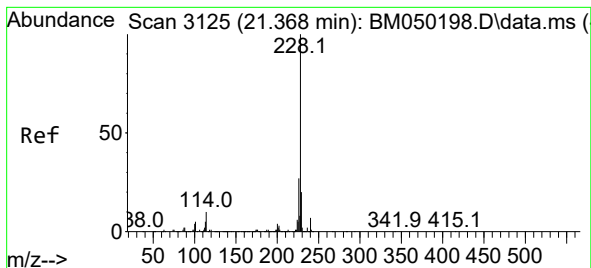
Tgt Ion:244 Resp: 7270187
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 10.7 8.6 12.8



#80
 Butylbenzylphthalate
 Concen: 56.960 ng
 RT: 20.463 min Scan# 2971
 Delta R.T. -0.005 min
 Lab File: BM050281.D
 Acq: 11 Jun 2025 19:23

Tgt Ion:149 Resp: 2094450
 Ion Ratio Lower Upper
 149 100
 91 71.1 56.9 85.3
 206 21.3 16.1 24.1





#81

Benzo(a)anthracene

Concen: 51.277 ng

RT: 21.345 min Scan# 31

Delta R.T. -0.005 min

Lab File: BM050281.D

Acq: 11 Jun 2025 19:23

Instrument :

BNA_M

ClientSampleId :

ARS20-0032MS

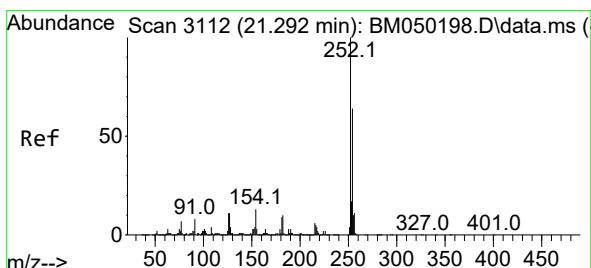
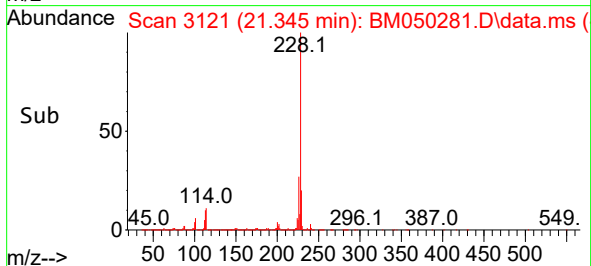
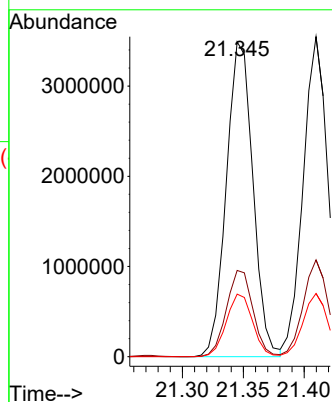
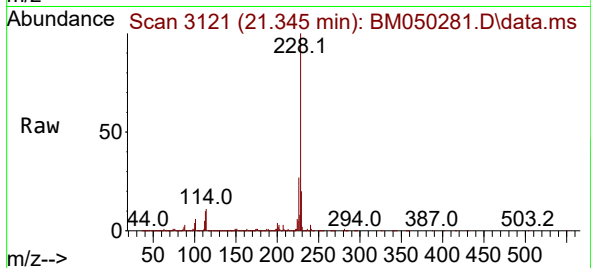
Tgt Ion:228 Resp: 5308290

Ion Ratio Lower Upper

228 100

226 27.4 21.7 32.5

229 19.9 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 38.408 ng

RT: 21.269 min Scan# 3108

Delta R.T. -0.005 min

Lab File: BM050281.D

Acq: 11 Jun 2025 19:23

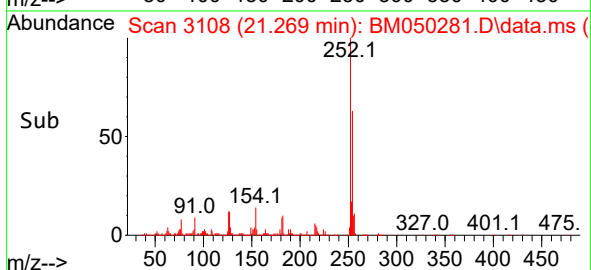
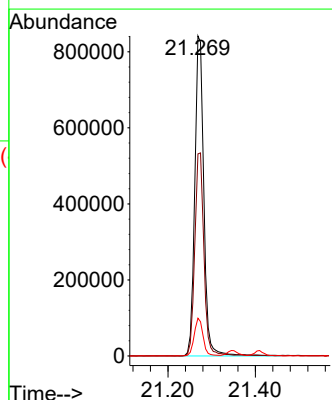
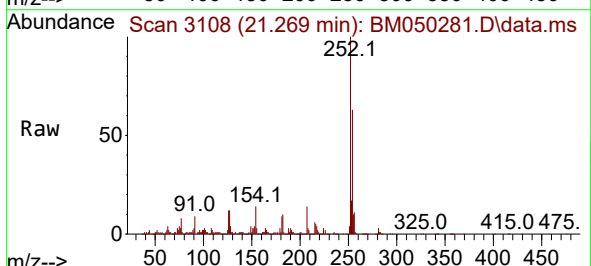
Tgt Ion:252 Resp: 1212488

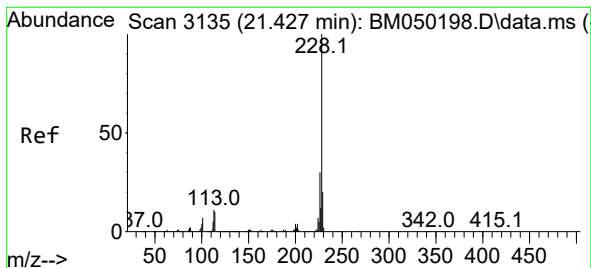
Ion Ratio Lower Upper

252 100

254 63.2 51.4 77.0

126 11.8 8.6 12.8





#83

Chrysene

Concen: 51.473 ng

RT: 21.410 min Scan# 3135

Delta R.T. -0.005 min

Lab File: BM050281.D

Acq: 11 Jun 2025 19:23

Instrument :

BNA_M

ClientSampleId :

ARS20-0032MS

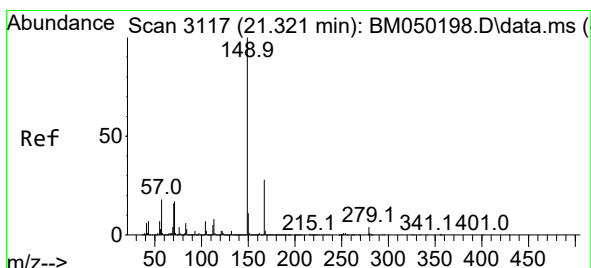
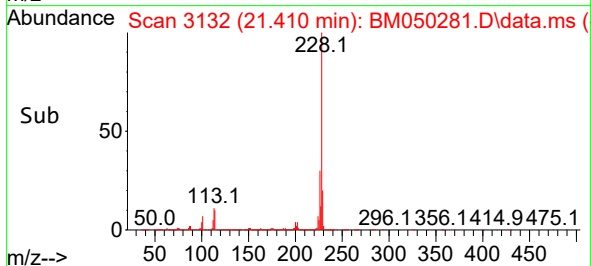
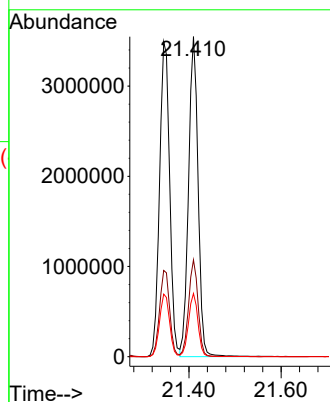
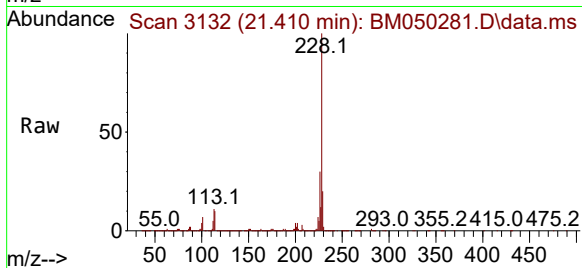
Tgt Ion:228 Resp: 5068603

Ion Ratio Lower Upper

228 100

226 30.2 24.3 36.5

229 19.8 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 58.248 ng

RT: 21.292 min Scan# 3112

Delta R.T. -0.011 min

Lab File: BM050281.D

Acq: 11 Jun 2025 19:23

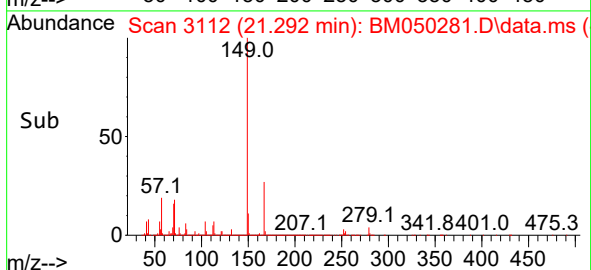
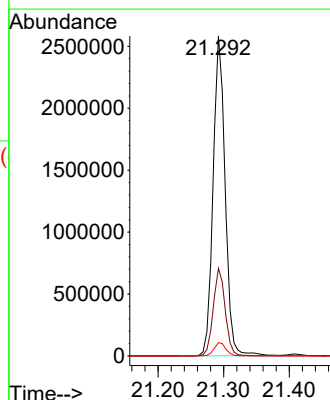
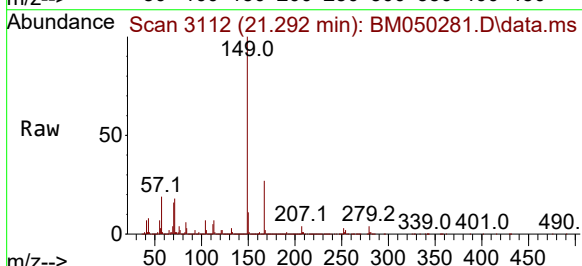
Tgt Ion:149 Resp: 3299129

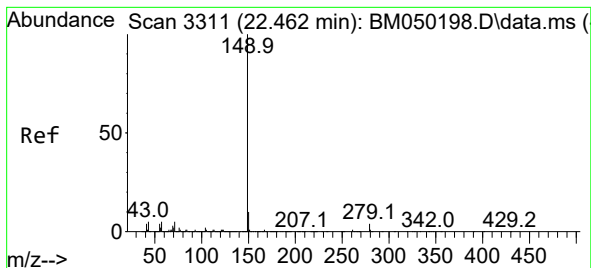
Ion Ratio Lower Upper

149 100

167 27.4 22.3 33.5

279 4.2 3.5 5.3





#85

Di-n-octyl phthalate

Concen: 63.381 ng

RT: 22.427 min Scan# 31

Delta R.T. -0.011 min

Lab File: BM050281.D

Acq: 11 Jun 2025 19:23

Instrument :

BNA_M

ClientSampleId :

ARS20-0032MS

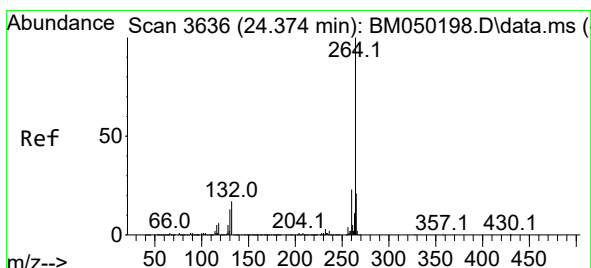
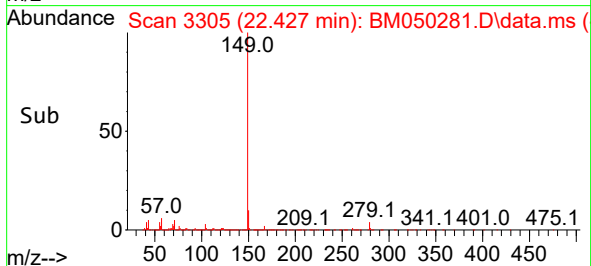
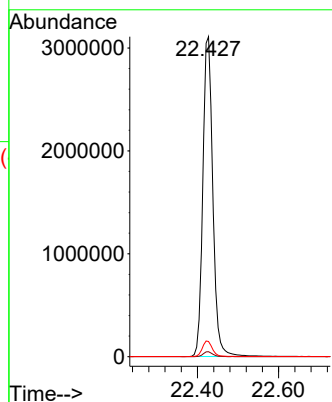
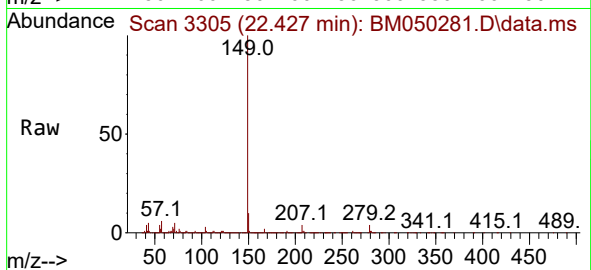
Tgt Ion:149 Resp: 5326928

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: 24.339 min Scan# 3630

Delta R.T. -0.005 min

Lab File: BM050281.D

Acq: 11 Jun 2025 19:23

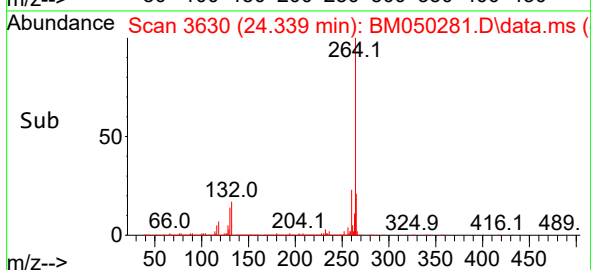
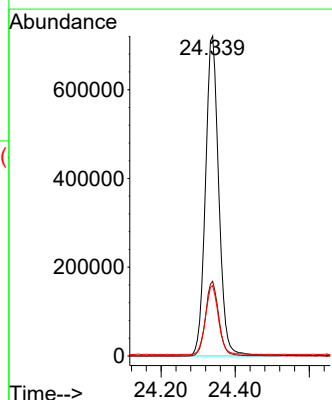
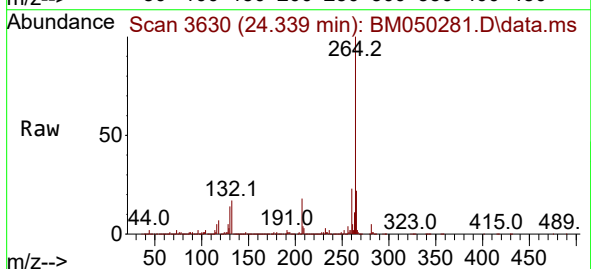
Tgt Ion:264 Resp: 1800704

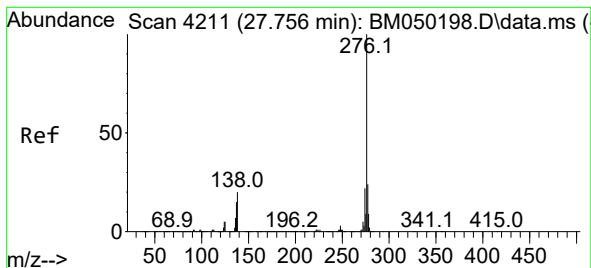
Ion Ratio Lower Upper

264 100

260 23.3 18.6 28.0

265 21.9 16.8 25.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 56.657 ng

RT: 27.697 min Scan# 41

Delta R.T. -0.011 min

Lab File: BM050281.D

Acq: 11 Jun 2025 19:23

Instrument :

BNA_M

ClientSampleId :

ARS20-0032MS

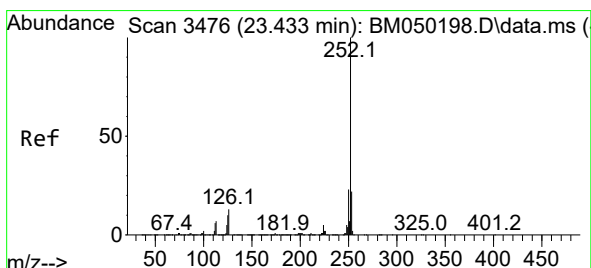
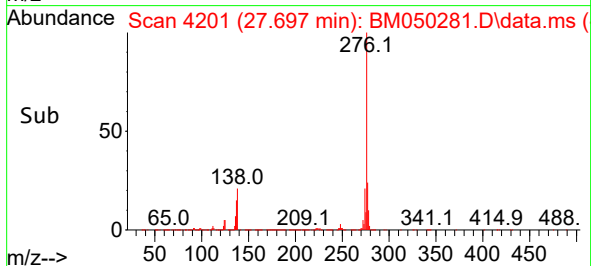
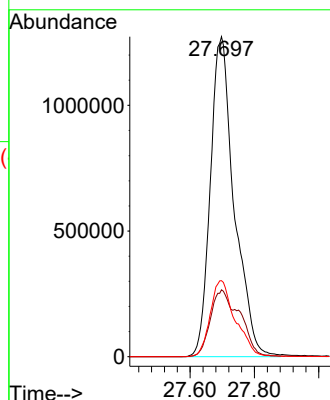
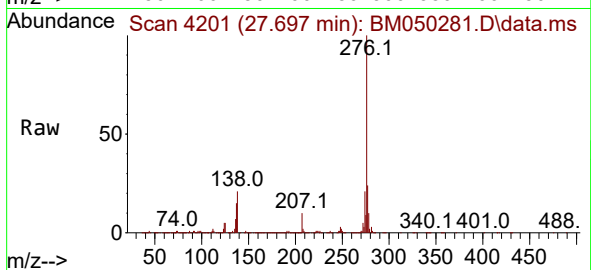
Tgt Ion:276 Resp: 6568942

Ion Ratio Lower Upper

276 100

138 25.7 20.6 30.8

277 25.0 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 51.564 ng

RT: 23.404 min Scan# 3471

Delta R.T. -0.005 min

Lab File: BM050281.D

Acq: 11 Jun 2025 19:23

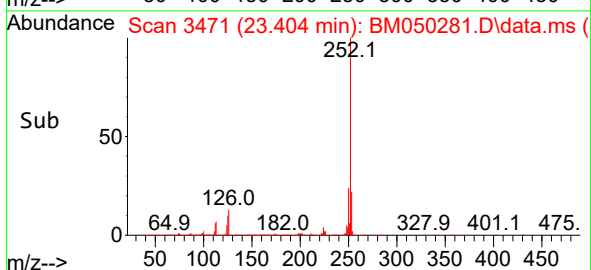
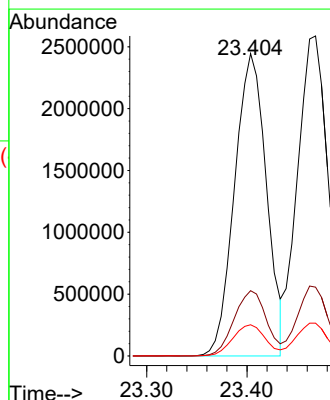
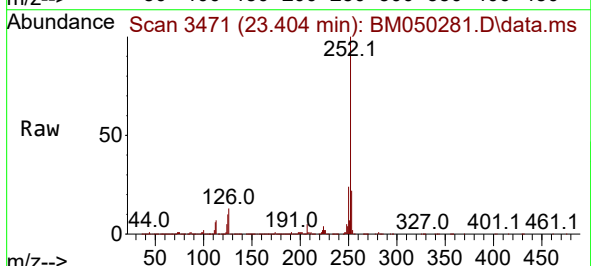
Tgt Ion:252 Resp: 5398393

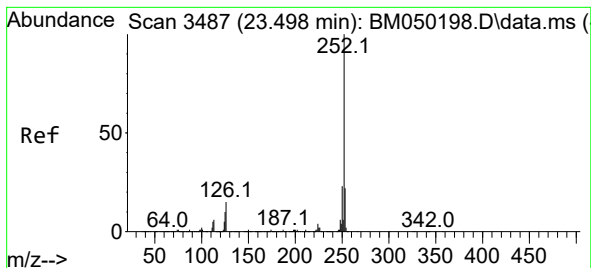
Ion Ratio Lower Upper

252 100

253 21.6 17.2 25.8

125 10.3 8.2 12.4





#89

Benzo(k)fluoranthene

Concen: 51.899 ng

RT: 23.468 min Scan# 34

Delta R.T. -0.005 min

Lab File: BM050281.D

Acq: 11 Jun 2025 19:23

Instrument :

BNA_M

ClientSampleId :

ARS20-0032MS

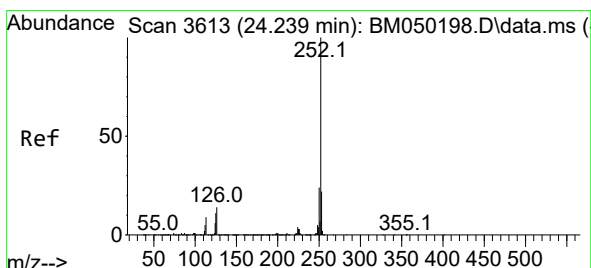
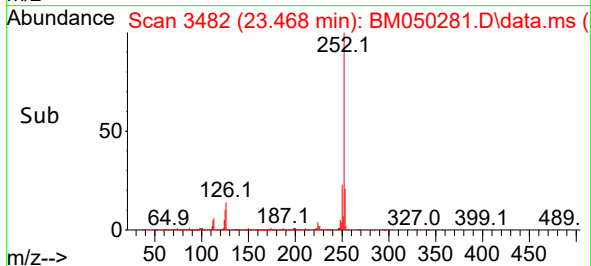
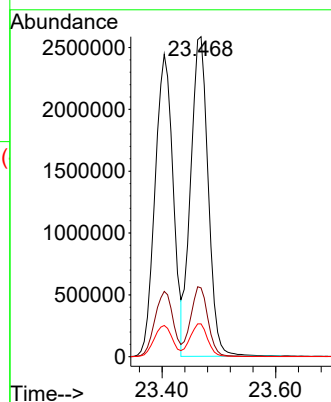
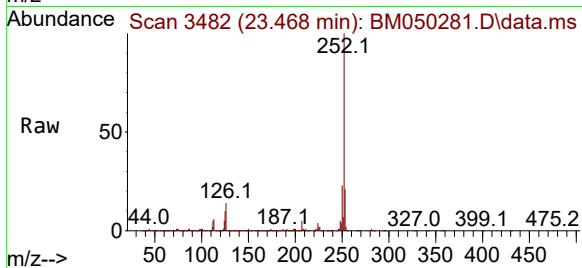
Tgt Ion:252 Resp: 5546796

Ion Ratio Lower Upper

252 100

253 21.5 17.4 26.2

125 10.2 8.2 12.4



#90

Benzo(a)pyrene

Concen: 53.300 ng

RT: 24.204 min Scan# 3607

Delta R.T. -0.005 min

Lab File: BM050281.D

Acq: 11 Jun 2025 19:23

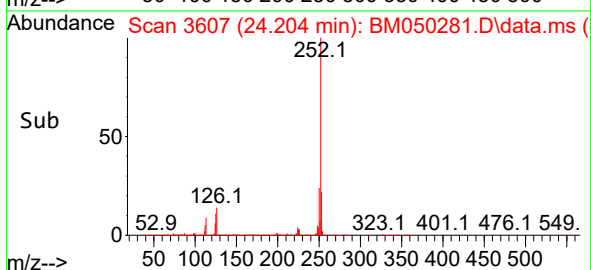
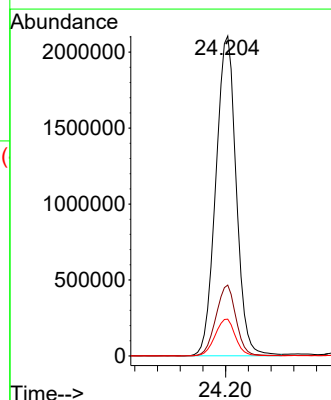
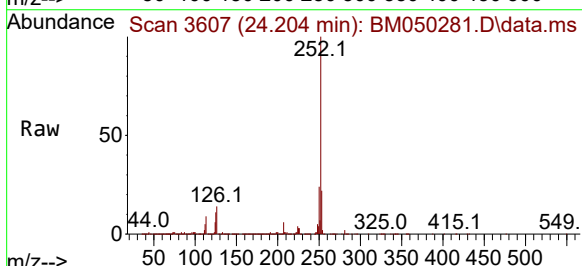
Tgt Ion:252 Resp: 5246501

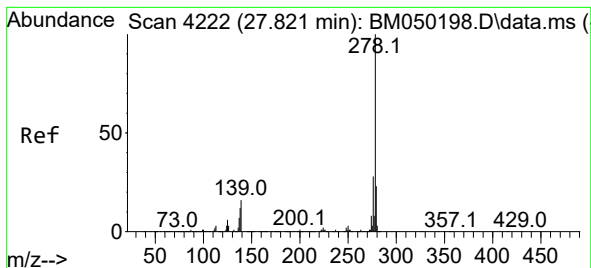
Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

125 11.5 9.0 13.4

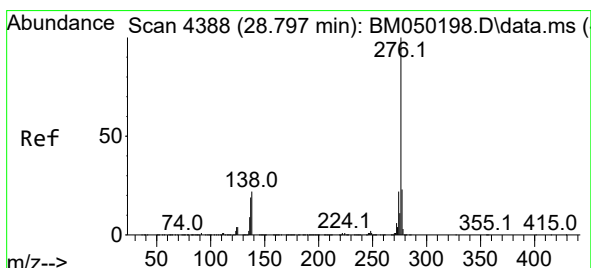
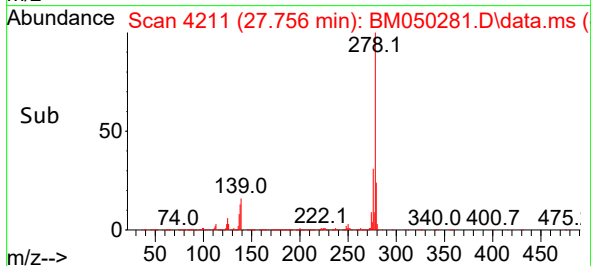
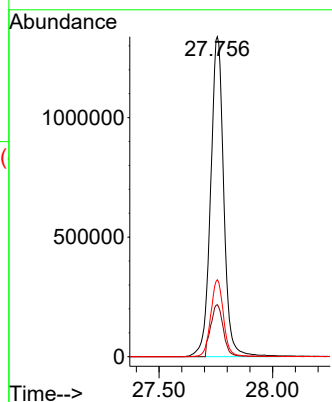
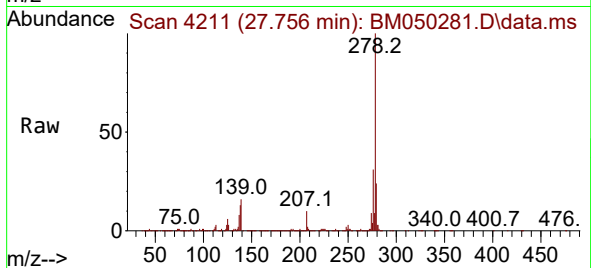




#91
Dibenzo(a,h)anthracene
Concen: 57.151 ng
RT: 27.756 min Scan# 41
Delta R.T. -0.011 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

Instrument :
BNA_M
ClientSampleId :
ARS20-0032MS

Tgt Ion:278 Resp: 5378627
Ion Ratio Lower Upper
278 100
139 16.3 12.8 19.2
279 24.0 18.6 28.0



#92
Benzo(g,h,i)perylene
Concen: 57.460 ng
RT: 28.739 min Scan# 4378
Delta R.T. -0.011 min
Lab File: BM050281.D
Acq: 11 Jun 2025 19:23

Tgt Ion:276 Resp: 5412386
Ion Ratio Lower Upper
276 100
277 23.5 18.6 27.8
138 22.1 17.8 26.6

