

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041425\
 Data File : BM049921.D
 Acq On : 14 Apr 2025 19:46
 Operator : RC/JU
 Sample : Q1779-05MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-23MSD

Quant Time: Apr 15 01:03:42 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 09 04:00:55 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	456710	20.000	ng	-0.01
21) Naphthalene-d8	10.563	136	1579651	20.000	ng	-0.01
39) Acenaphthene-d10	14.416	164	986011	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1837731	20.000	ng	0.00
76) Chrysene-d12	21.398	240	1556320	20.000	ng	0.00
86) Perylene-d12	24.391	264	1594804	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	2731907	101.574	ng	0.00
7) Phenol-d6	6.951	99	3333954	99.630	ng	0.00
23) Nitrobenzene-d5	8.928	82	1914655	67.495	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	1466590	102.259	ng	0.00
45) 2-Fluorobiphenyl	13.033	172	4764043	65.517	ng	-0.01
79) Terphenyl-d14	19.780	244	5751474	69.257	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.252	88	386986	34.937	ng	99
3) Pyridine	3.652	79	1065263	36.604	ng	100
4) n-Nitrosodimethylamine	3.563	42	436744	39.435	ng	99
6) Aniline	7.098	93	750478	26.173	ng	98
8) 2-Chlorophenol	7.340	128	1164824	42.260	ng	100
9) Benzaldehyde	6.910	77	626793	36.500	ng	98
10) Phenol	6.975	94	1402765	42.957	ng	99
11) bis(2-Chloroethyl)ether	7.193	93	1164428	45.471	ng	99
12) 1,3-Dichlorobenzene	7.657	146	1358519	41.689	ng	98
13) 1,4-Dichlorobenzene	7.804	146	1373607	41.892	ng	99
14) 1,2-Dichlorobenzene	8.122	146	1309499	42.401	ng	99
15) Benzyl Alcohol	8.016	79	848029	40.244	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.293	45	1248181	43.730	ng	99
17) 2-Methylphenol	8.222	107	888249	44.139	ng	99
18) Hexachloroethane	8.851	117	476481	41.768	ng	95
19) n-Nitroso-di-n-propyla...	8.581	70	778446	42.001	ng	99
20) 3+4-Methylphenols	8.551	107	1223758	44.605	ng	99
22) Acetophenone	8.592	105	1577845	41.100	ng	99
24) Nitrobenzene	8.969	77	1112490	40.728	ng	98
25) Isophorone	9.498	82	2095903	44.105	ng	99
26) 2-Nitrophenol	9.681	139	610582	42.174	ng	99
27) 2,4-Dimethylphenol	9.751	122	989050	60.282	ng	99
28) bis(2-Chloroethoxy)met...	9.975	93	1328993	41.773	ng	98
29) 2,4-Dichlorophenol	10.222	162	1136041	41.654	ng	99
30) 1,2,4-Trichlorobenzene	10.428	180	1315047	41.680	ng	99
31) Naphthalene	10.616	128	3245955	39.990	ng	100
32) Benzoic acid	9.898	122	607281	33.087	ng	98
33) 4-Chloroaniline	10.745	127	673006	23.481	ng	98
34) Hexachlorobutadiene	10.904	225	836884	42.881	ng	98
35) Caprolactam	11.522	113	296251	37.873	ng	99
36) 4-Chloro-3-methylphenol	11.869	107	955956	40.015	ng	99
37) 2-Methylnaphthalene	12.228	142	2117874	37.033	ng	99
38) 1-Methylnaphthalene	12.451	142	2217335	39.798	ng	100
40) 1,2,4,5-Tetrachloroben...	12.604	216	1490131	43.198	ng	99
41) Hexachlorocyclopentadiene	12.586	237	1656948	137.081	ng	99
43) 2,4,6-Trichlorophenol	12.845	196	942264	42.927	ng	98

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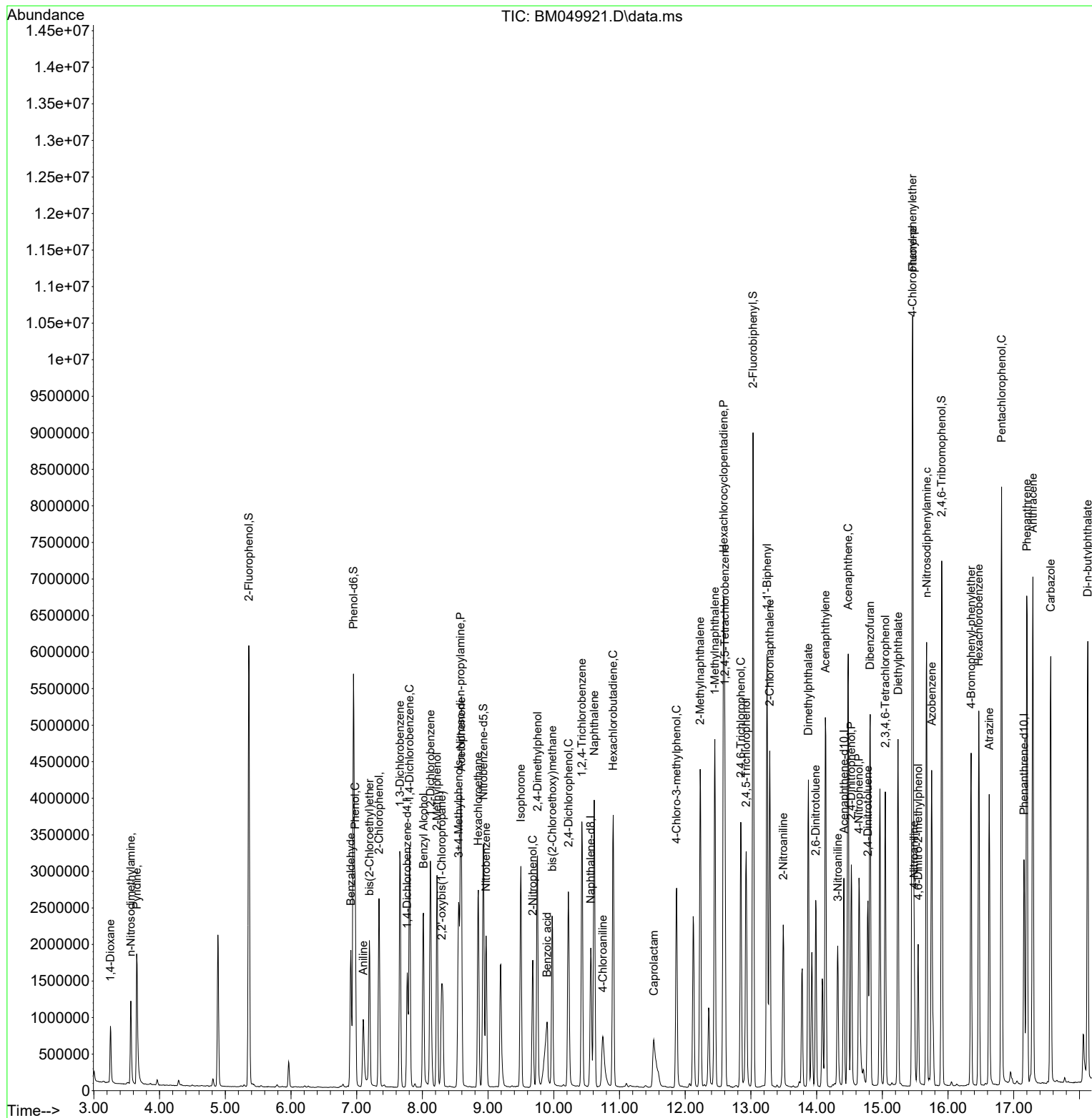
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.928	196	1015428	42.569	ng	99
46) 1,1'-Biphenyl	13.245	154	3050236	41.615	ng	99
47) 2-Chloronaphthalene	13.286	162	2403600	41.722	ng	99
48) 2-Nitroaniline	13.492	65	565205	42.408	ng	100
49) Acenaphthylene	14.133	152	3722138	44.354	ng	99
50) Dimethylphthalate	13.874	163	2786558	40.059	ng	100
51) 2,6-Dinitrotoluene	13.986	165	608184	41.730	ng	99
52) Acenaphthene	14.480	154	2176080	40.767	ng	99
53) 3-Nitroaniline	14.322	138	545547	38.730	ng	97
54) 2,4-Dinitrophenol	14.527	184	775079	74.030	ng	97
55) Dibenzofuran	14.816	168	3521114	39.459	ng	99
56) 4-Nitrophenol	14.645	139	1031478	82.174	ng	99
57) 2,4-Dinitrotoluene	14.780	165	837150	43.057	ng	96
58) Fluorene	15.463	166	2904991	40.956	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.045	232	837924	40.078	ng	98
60) Diethylphthalate	15.239	149	2581511	38.698	ng	98
61) 4-Chlorophenyl-phenyle...	15.457	204	1602802	42.148	ng	99
62) 4-Nitroaniline	15.486	138	577734	39.661	ng	98
63) Azobenzene	15.751	77	2405985	42.127	ng	98
65) 4,6-Dinitro-2-methylph...	15.545	198	485343	41.910	ng	98
66) n-Nitrosodiphenylamine	15.674	169	2425926	44.111	ng	100
67) 4-Bromophenyl-phenylether	16.351	248	952056	44.627	ng	96
68) Hexachlorobenzene	16.468	284	1082729	44.246	ng	98
69) Atrazine	16.627	200	819100	57.442	ng	98
70) Pentachlorophenol	16.815	266	1493995	82.928	ng	99
71) Phenanthrene	17.198	178	4311791	42.796	ng	100
72) Anthracene	17.292	178	4391817	44.233	ng	100
73) Carbazole	17.563	167	3839750	41.059	ng	99
74) Di-n-butylphthalate	18.127	149	4361160	40.488	ng	100
75) Fluoranthene	19.215	202	4915651	39.681	ng	99
77) Benzidine	19.404	184	1818558	88.079	ng	99
78) Pyrene	19.580	202	4987745	46.502	ng	100
80) Butylbenzylphthalate	20.480	149	1763485	43.756	ng	97
81) Benzo(a)anthracene	21.380	228	4512094	43.624	ng	100
82) 3,3'-Dichlorobenzidine	21.303	252	1136919	29.107	ng	99
83) Chrysene	21.439	228	4104161	41.737	ng	99
84) Bis(2-ethylhexyl)phtha...	21.303	149	2502041	42.610	ng	99
85) Di-n-octyl phthalate	22.433	149	4128797	40.192	ng	100
87) Indeno(1,2,3-cd)pyrene	27.779	276	5425742	45.641	ng	99
88) Benzo(b)fluoranthene	23.444	252	4326578	42.478	ng	99
89) Benzo(k)fluoranthene	23.509	252	4194491	42.496	ng	100
90) Benzo(a)pyrene	24.250	252	4140185	46.258	ng	99
91) Dibenzo(a,h)anthracene	27.832	278	4407041	45.007	ng	99
92) Benzo(g,h,i)perylene	28.838	276	4346566	43.440	ng	99

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

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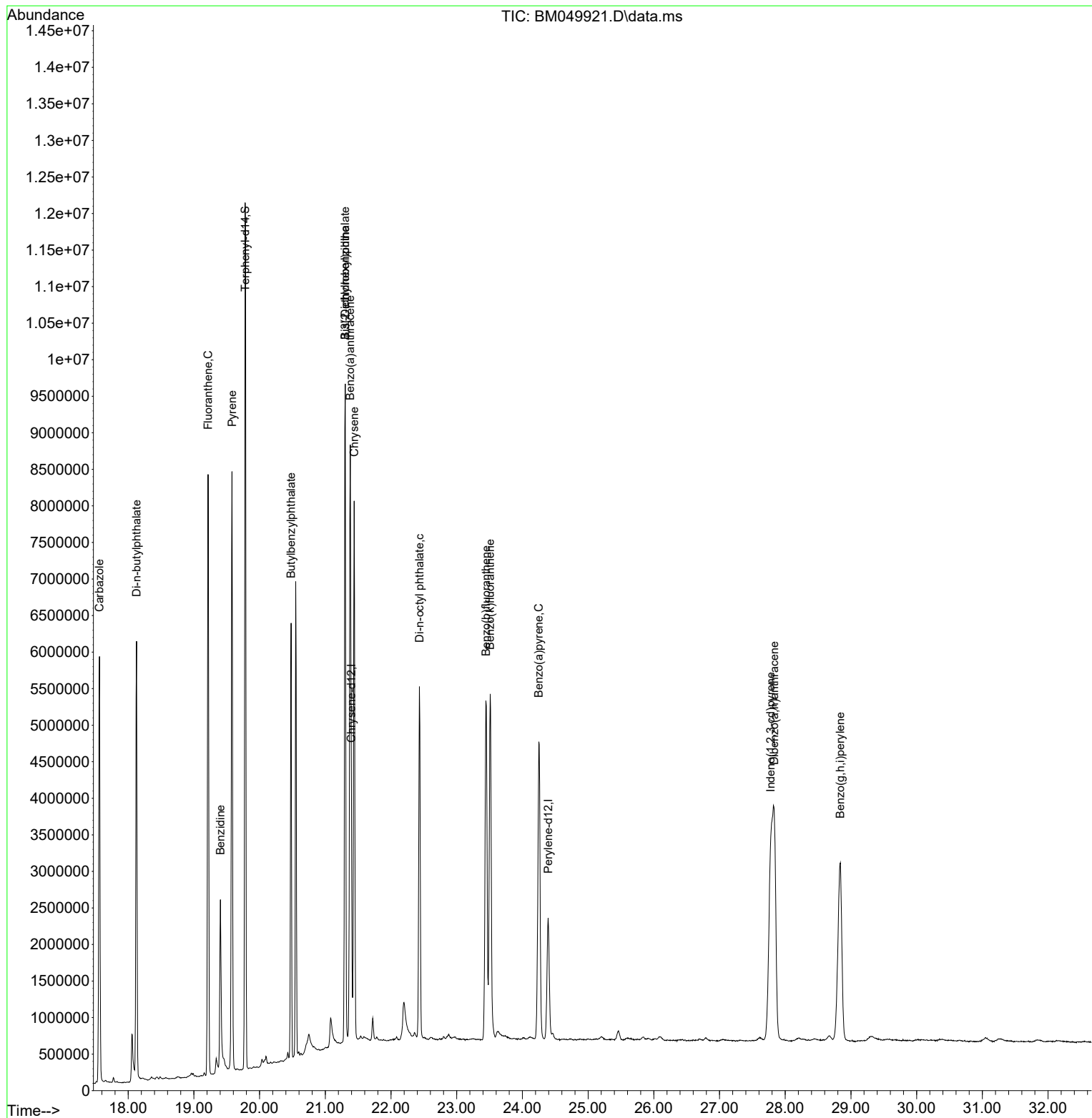
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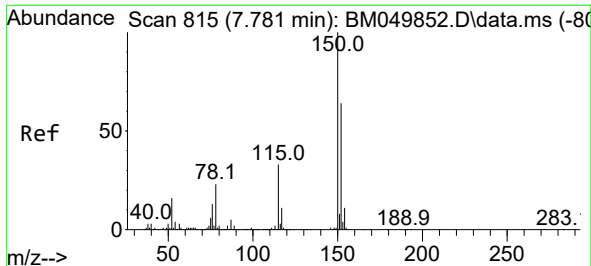


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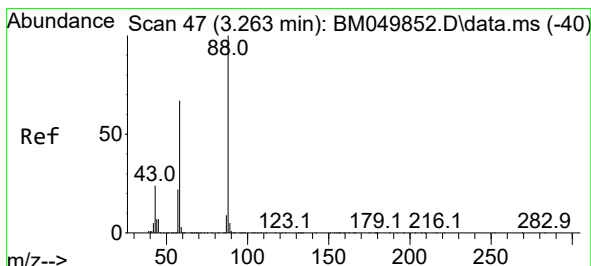
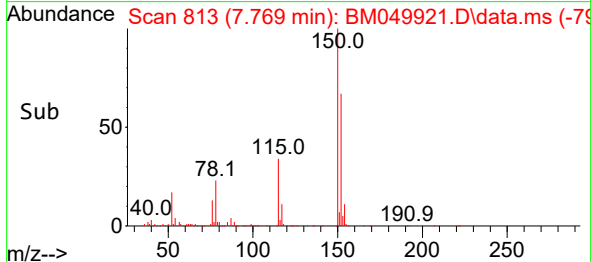
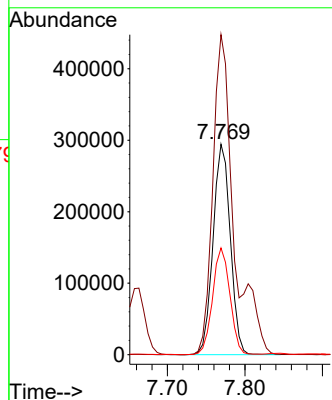
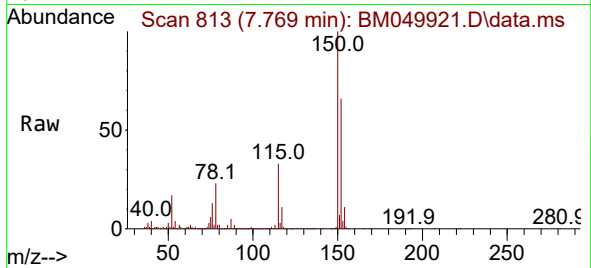




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 815
Delta R.T. -0.012 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

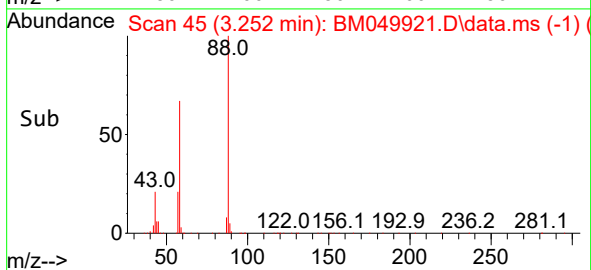
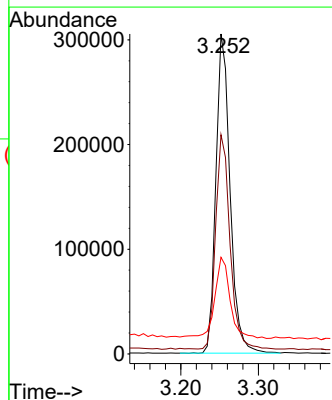
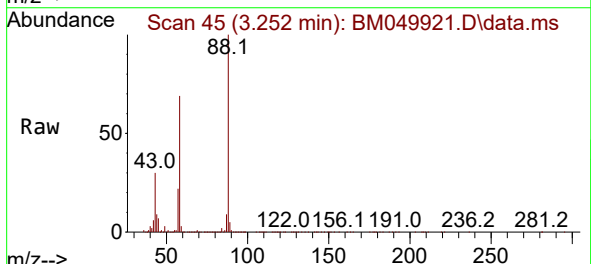
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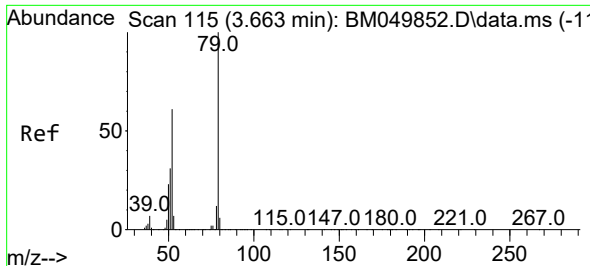
Tgt Ion:152 Resp: 456710
Ion Ratio Lower Upper
152 100
150 152.0 124.3 186.5
115 50.7 41.1 61.7



#2
1,4-Dioxane
Concen: 34.937 ng
RT: 3.252 min Scan# 45
Delta R.T. -0.012 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

Tgt Ion: 88 Resp: 386986
Ion Ratio Lower Upper
88 100
58 67.8 54.1 81.1
43 27.4 20.2 30.4



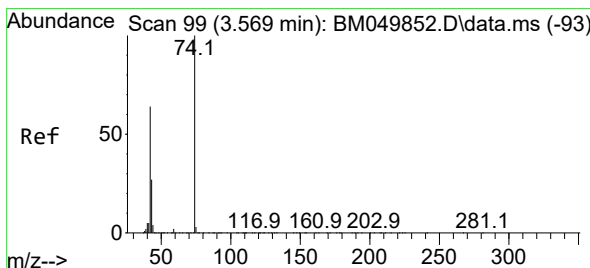
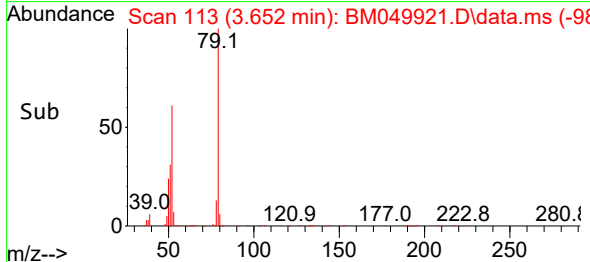
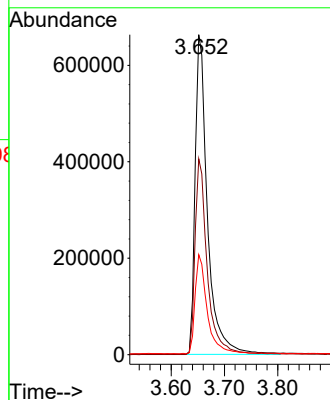
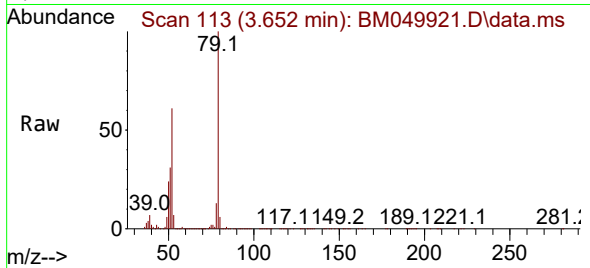


#3
 Pyridine
 Concen: 36.604 ng
 RT: 3.652 min Scan# 115
 Delta R.T. -0.012 min
 Lab File: BM049921.D
 Acq: 14 Apr 2025 19:46

Instrument :
 BNA_M
 ClientSampleId :
 TP-23MSD

Tgt Ion: 79 Resp: 1065263

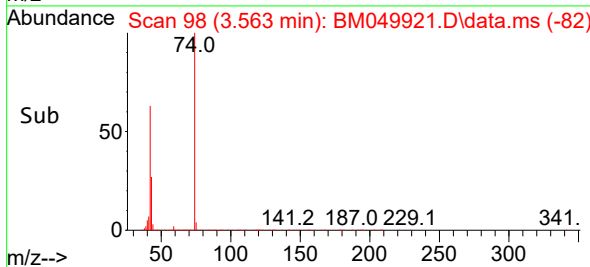
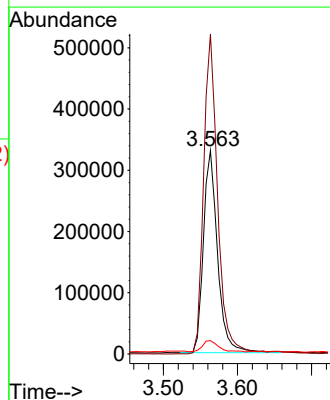
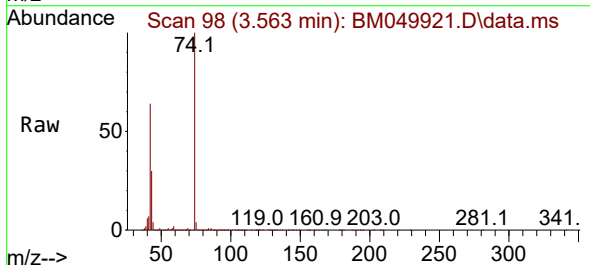
Ion	Ratio	Lower	Upper
79	100		
52	61.2	48.9	73.3
51	31.3	25.0	37.6

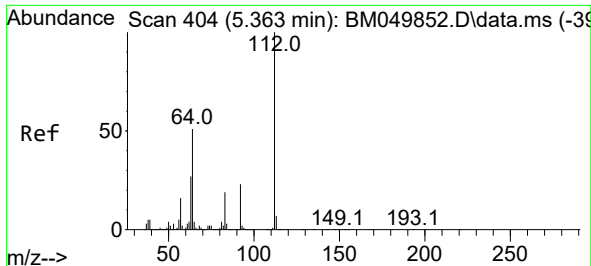


#4
 n-Nitrosodimethylamine
 Concen: 39.435 ng
 RT: 3.563 min Scan# 98
 Delta R.T. -0.006 min
 Lab File: BM049921.D
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Tgt Ion: 42 Resp: 436744

Ion	Ratio	Lower	Upper
42	100		
74	157.4	125.4	188.2
44	6.6	5.9	8.9

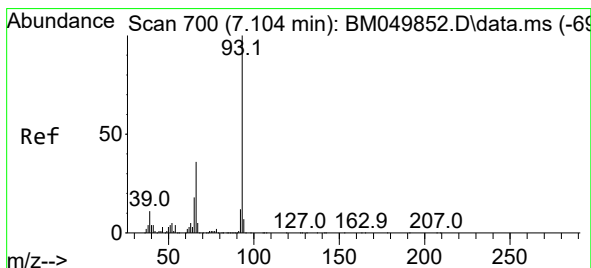
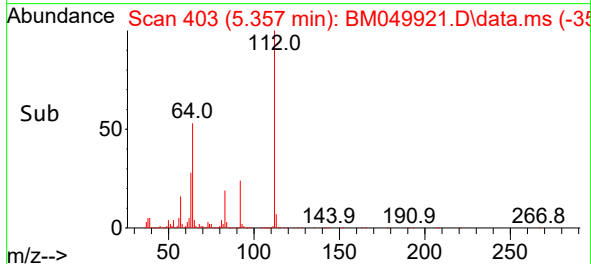
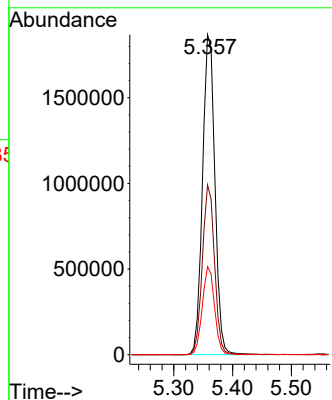
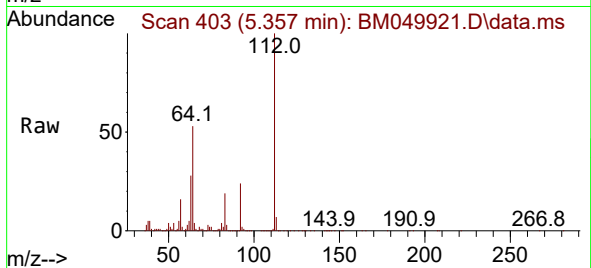




#5
2-Fluorophenol
Concen: 101.574 ng
RT: 5.357 min Scan# 404
Delta R.T. -0.006 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

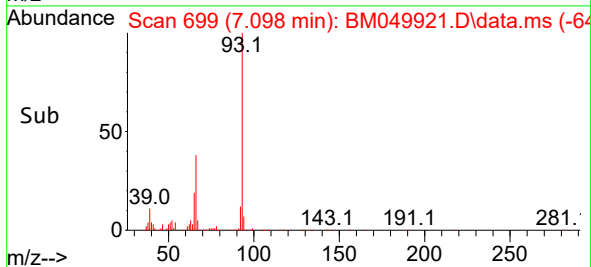
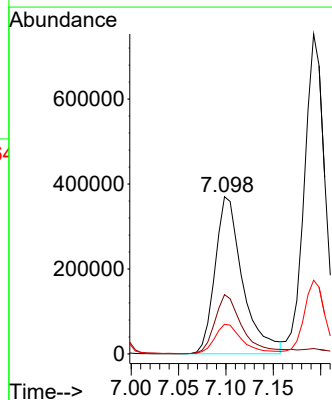
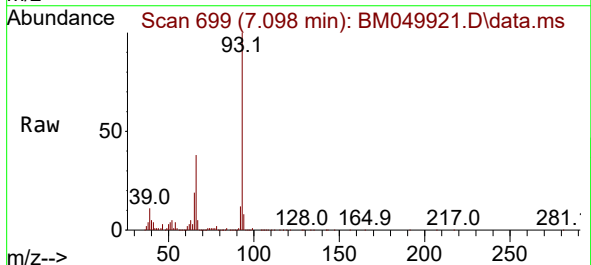
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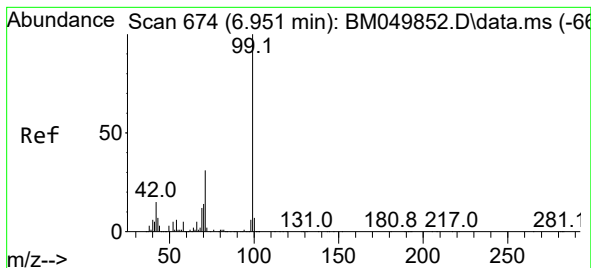
Tgt Ion:112 Resp: 2731907
Ion Ratio Lower Upper
112 100
64 53.0 41.0 61.6
63 27.5 21.5 32.3



#6
Aniline
Concen: 26.173 ng
RT: 7.098 min Scan# 699
Delta R.T. -0.006 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

Tgt Ion: 93 Resp: 750478
Ion Ratio Lower Upper
93 100
66 37.7 29.1 43.7
65 19.0 14.9 22.3

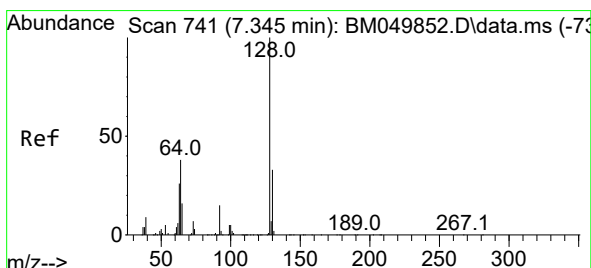
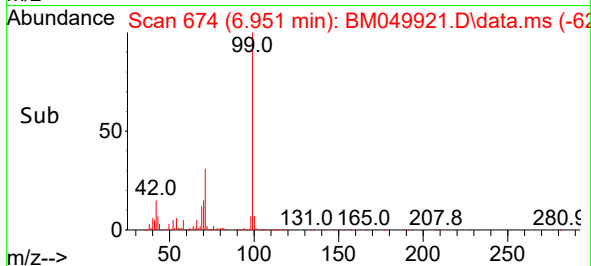
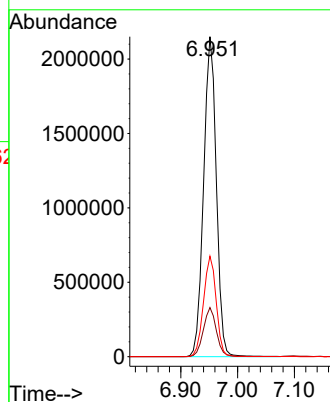
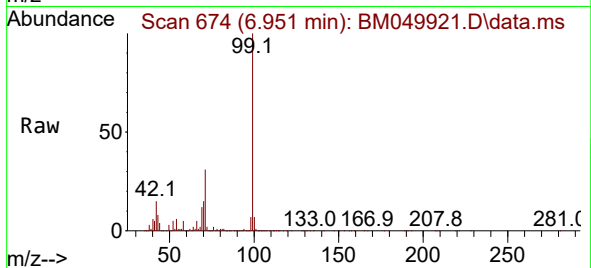




#7
Phenol-d6
Concen: 99.630 ng
RT: 6.951 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM049921.D
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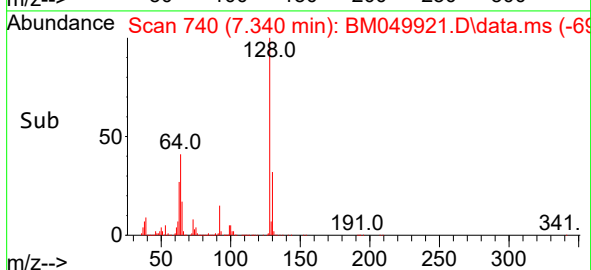
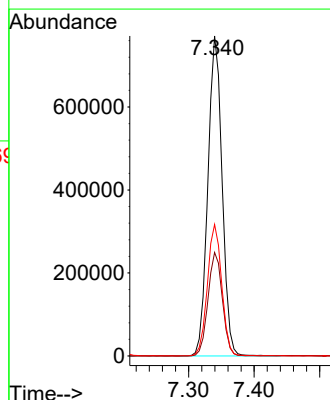
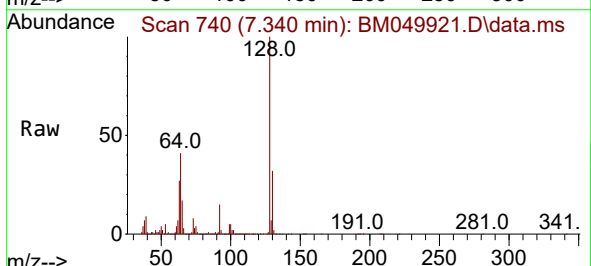
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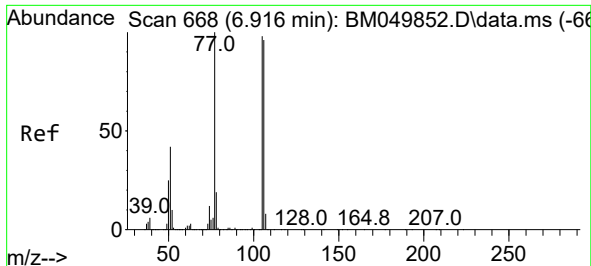
Tgt Ion: 99 Resp: 3333954
Ion Ratio Lower Upper
99 100
42 15.4 12.1 18.1
71 31.4 24.9 37.3



#8
2-Chlorophenol
Concen: 42.260 ng
RT: 7.340 min Scan# 740
Delta R.T. -0.006 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

Tgt Ion:128 Resp: 1164824
Ion Ratio Lower Upper
128 100
130 32.3 12.6 52.6
64 41.1 21.1 61.1

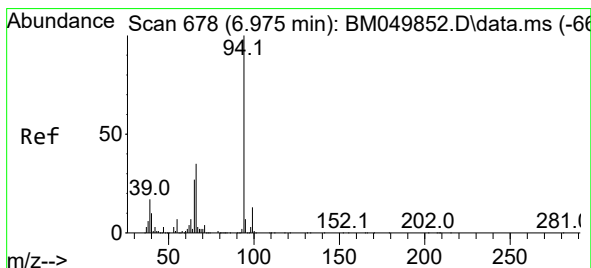
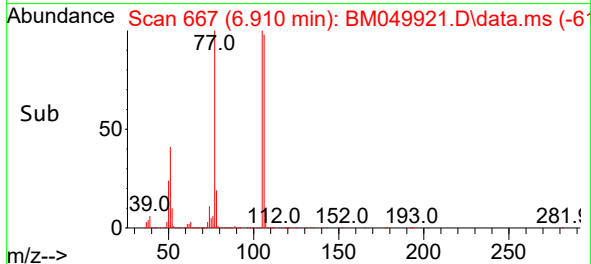
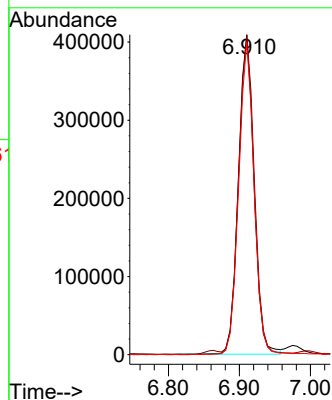
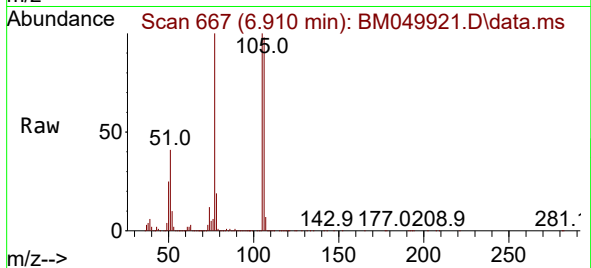




#9
Benzaldehyde
Concen: 36.500 ng
RT: 6.910 min Scan# 668
Delta R.T. -0.006 min
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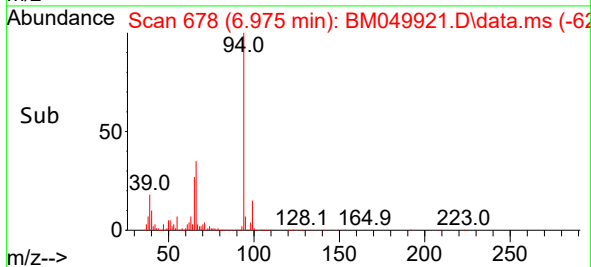
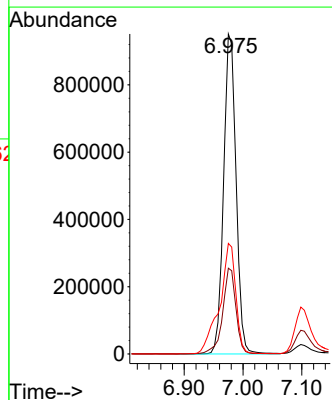
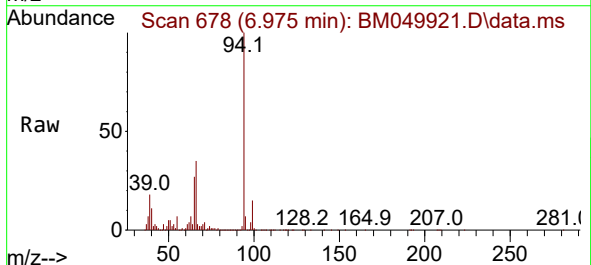
Instrument :
BNA_M
ClientSampleId :
TP-23MSD

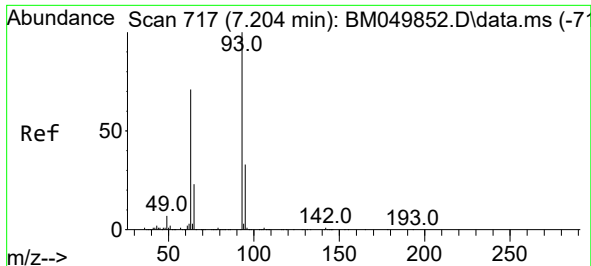
Tgt Ion: 77 Resp: 626793
Ion Ratio Lower Upper
77 100
105 100.1 78.3 118.3
106 97.7 76.0 116.0



#10
Phenol
Concen: 42.957 ng
RT: 6.975 min Scan# 678
Delta R.T. 0.000 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

Tgt Ion: 94 Resp: 1402765
Ion Ratio Lower Upper
94 100
65 26.8 7.3 47.3
66 34.6 14.8 54.8





#11
bis(2-Chloroethyl)ether
Concen: 45.471 ng
RT: 7.193 min Scan# 715
Delta R.T. -0.012 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

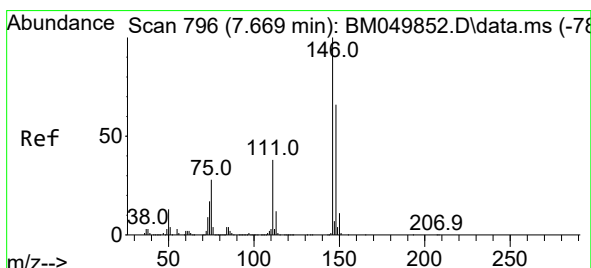
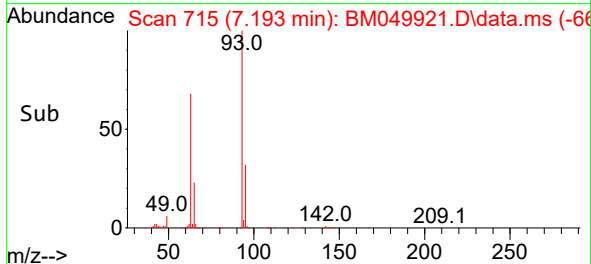
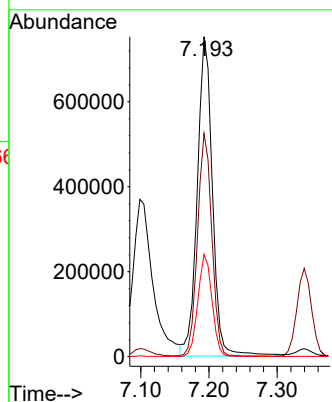
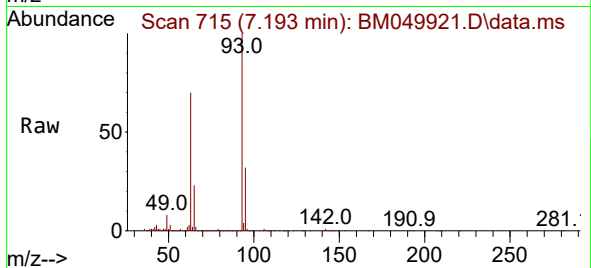
Instrument :

BNA_M

ClientSampleId :

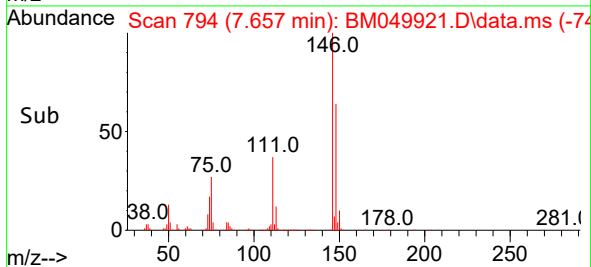
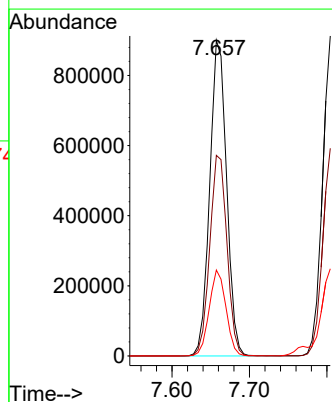
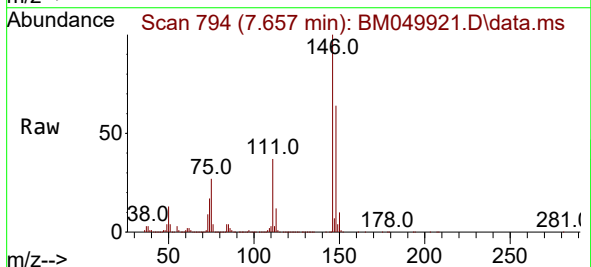
TP-23MSD

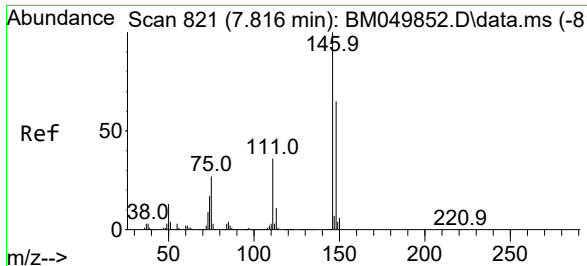
Tgt Ion: 93 Resp: 1164428
Ion Ratio Lower Upper
93 100
63 69.7 50.9 90.9
95 32.0 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 41.689 ng
RT: 7.657 min Scan# 794
Delta R.T. -0.012 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

Tgt Ion:146 Resp: 1358519
Ion Ratio Lower Upper
146 100
148 63.6 52.5 78.7
75 27.2 22.5 33.7

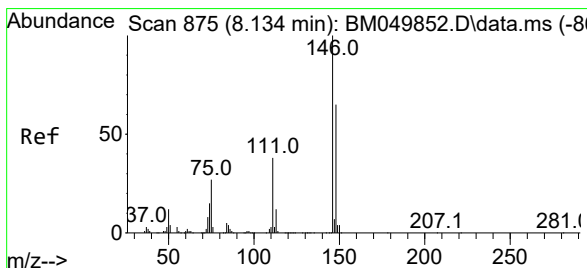
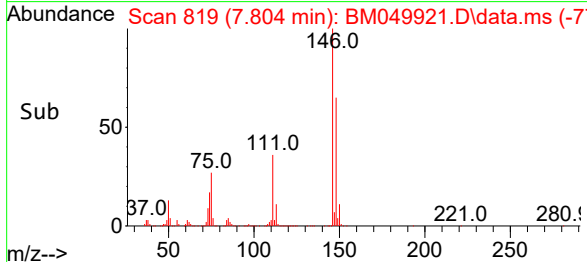
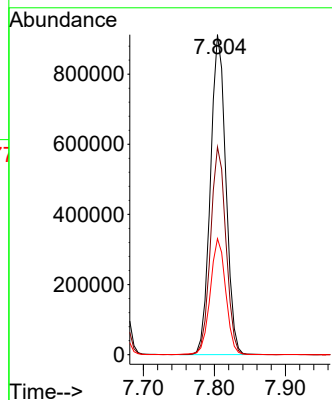
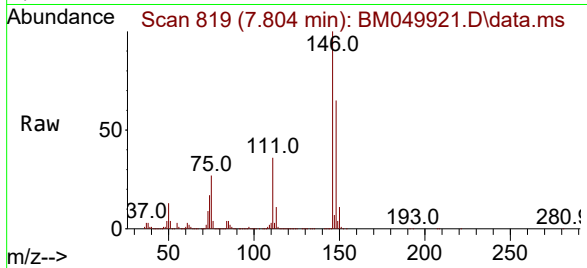




#13
 1,4-Dichlorobenzene
 Concen: 41.892 ng
 RT: 7.804 min Scan# 81
 Delta R.T. -0.012 min
 Lab File: BM049921.D
 Acq: 14 Apr 2025 19:46

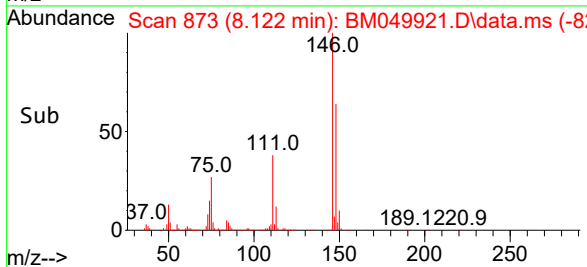
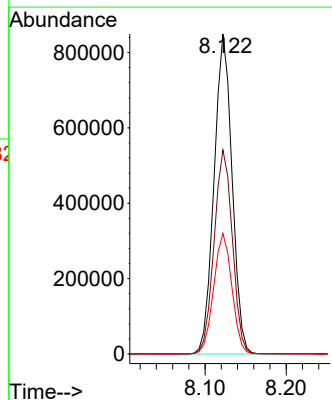
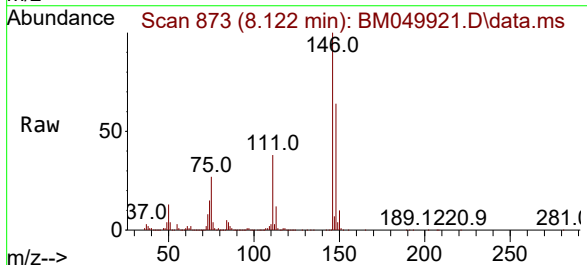
Instrument :
 BNA_M
 ClientSampleId :
 TP-23MSD

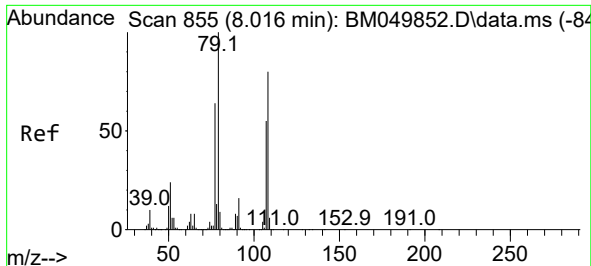
Tgt Ion:146 Resp: 1373607
 Ion Ratio Lower Upper
 146 100
 148 64.9 52.4 78.6
 111 36.2 28.5 42.7



#14
 1,2-Dichlorobenzene
 Concen: 42.401 ng
 RT: 8.122 min Scan# 873
 Delta R.T. -0.012 min
 Lab File: BM049921.D
 Acq: 14 Apr 2025 19:46

Tgt Ion:146 Resp: 1309499
 Ion Ratio Lower Upper
 146 100
 148 63.8 51.8 77.8
 111 37.7 30.2 45.4

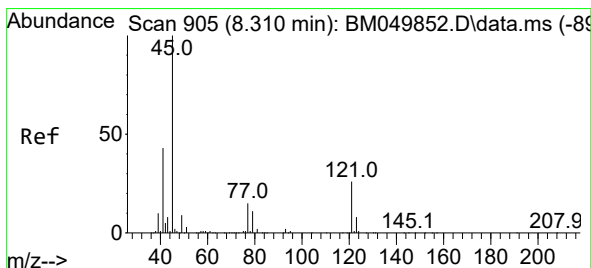
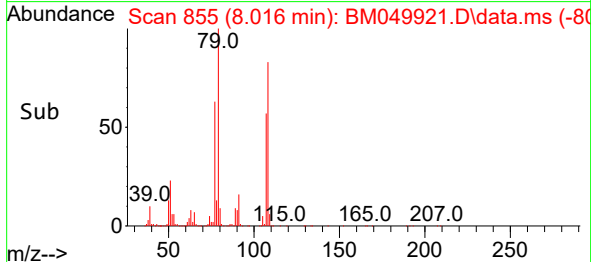
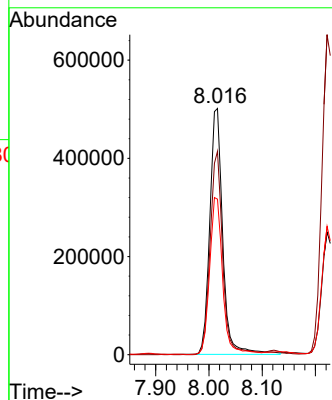
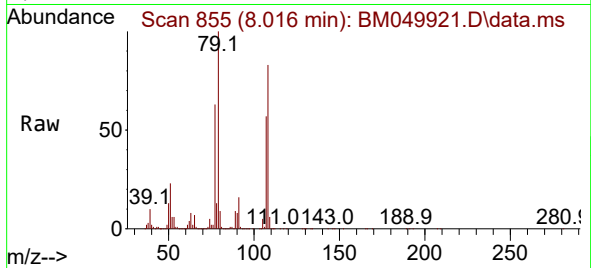




#15
Benzyl Alcohol
Concen: 40.244 ng
RT: 8.016 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

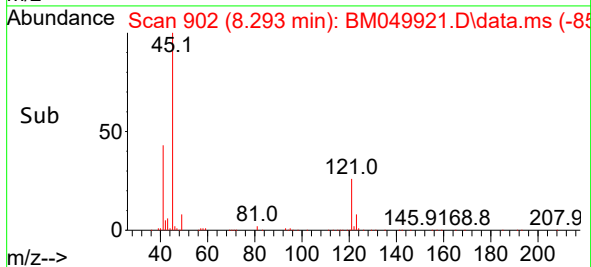
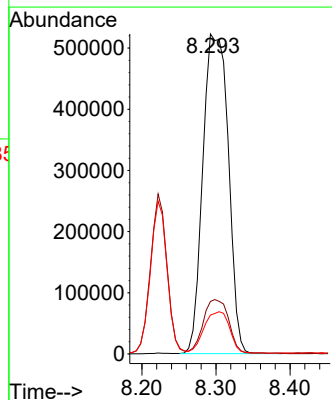
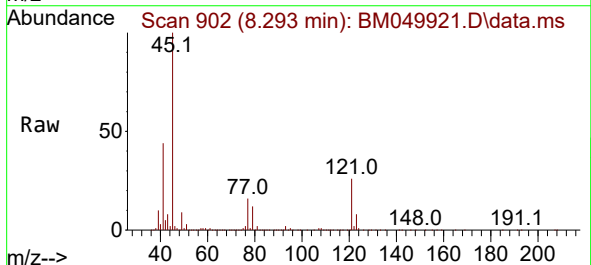
Instrument :
BNA_M
ClientSampleId :
TP-23MSD

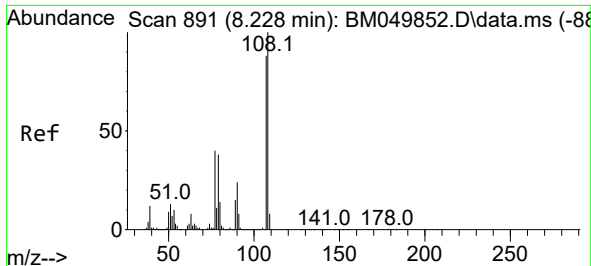
Tgt Ion: 79 Resp: 848029
Ion Ratio Lower Upper
79 100
108 82.6 63.6 95.4
77 63.2 51.3 76.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.730 ng
RT: 8.293 min Scan# 902
Delta R.T. -0.018 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

Tgt Ion: 45 Resp: 1248181
Ion Ratio Lower Upper
45 100
77 16.4 0.0 36.9
79 12.2 0.0 32.9

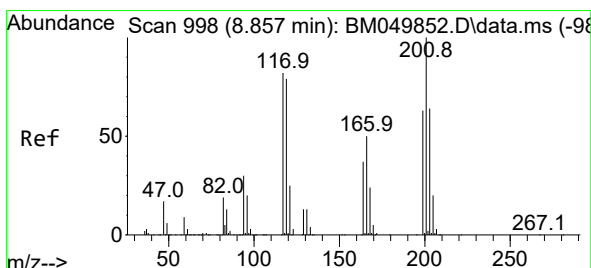
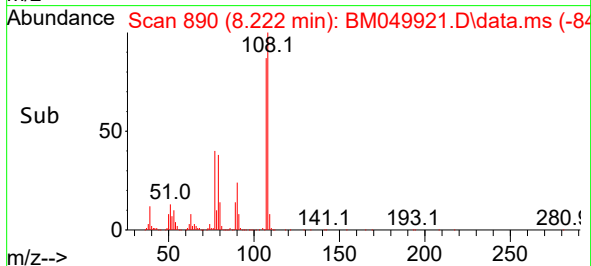
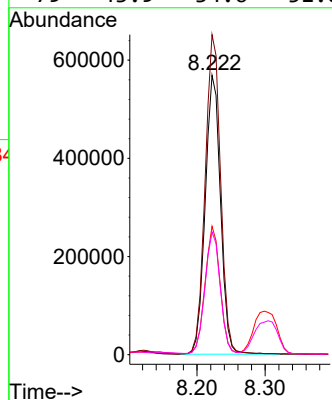
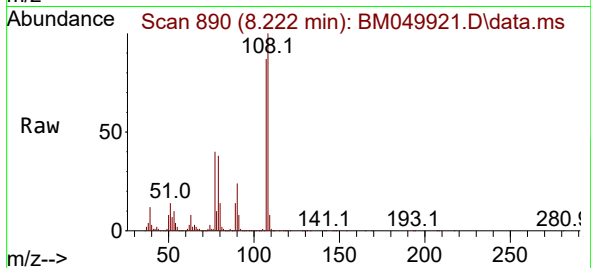




#17
2-Methylphenol
Concen: 44.139 ng
RT: 8.222 min Scan# 891
Delta R.T. -0.006 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

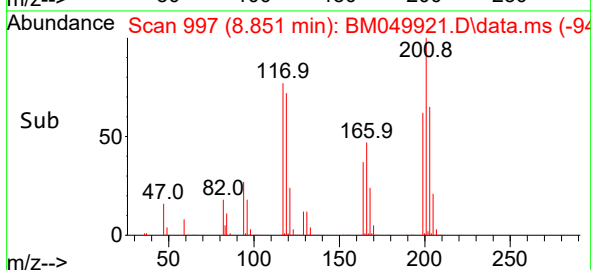
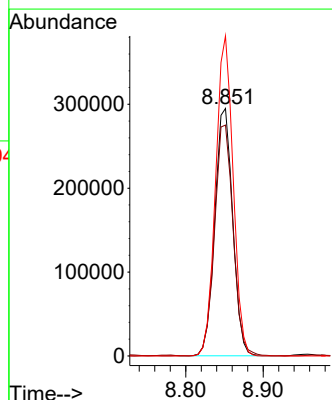
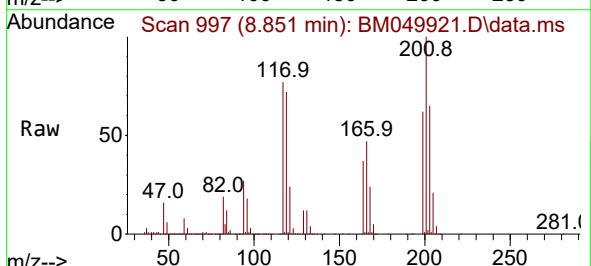
Instrument :
BNA_M
ClientSampleId :
TP-23MSD

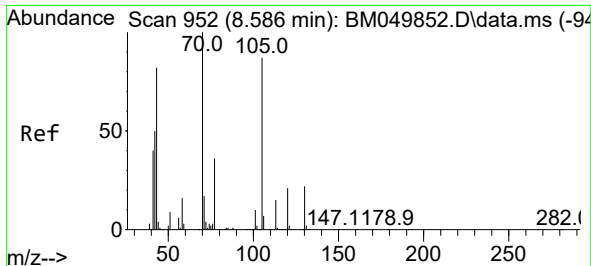
Tgt Ion:	107	Resp:	888249
Ion	Ratio	Lower	Upper
107	100		
108	114.5	91.0	136.6
77	45.9	36.5	54.7
79	43.9	34.6	51.8



#18
Hexachloroethane
Concen: 41.768 ng
RT: 8.851 min Scan# 997
Delta R.T. -0.006 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

Tgt Ion:	117	Resp:	476481
Ion	Ratio	Lower	Upper
117	100		
119	93.3	77.5	116.3
201	129.3	97.7	146.5



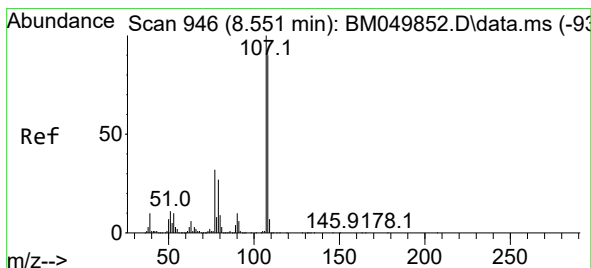
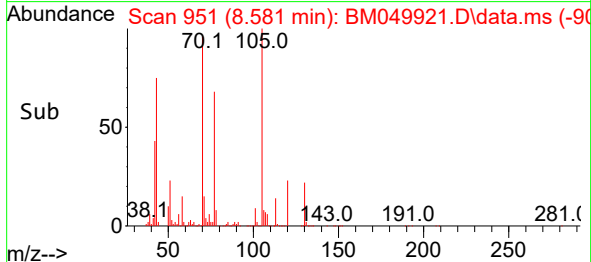
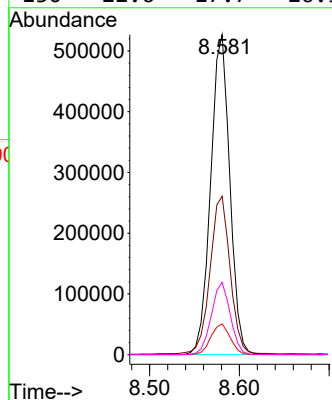
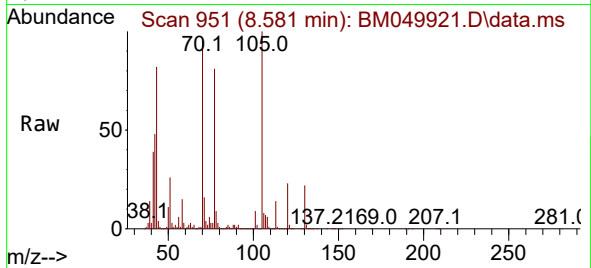


#19
n-Nitroso-di-n-propylamine
Concen: 42.001 ng
RT: 8.581 min Scan# 951
Delta R.T. -0.006 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

Instrument :
BNA_M
ClientSampleId :
TP-23MSD

Tgt Ion: 70 Resp: 778446

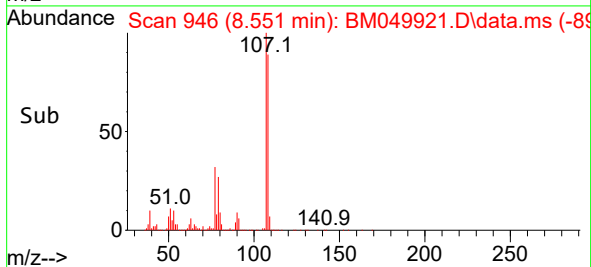
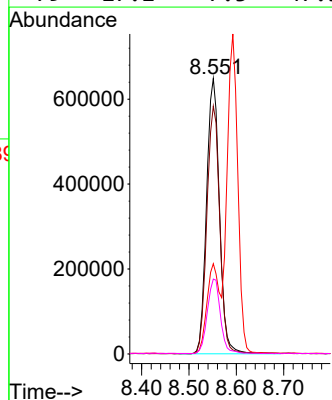
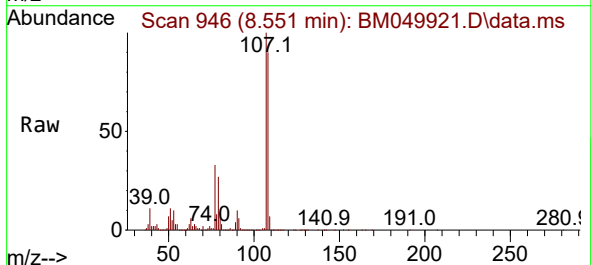
Ion	Ratio	Lower	Upper
70	100		
42	49.5	40.2	60.2
101	9.6	7.9	11.9
130	22.6	17.7	26.5

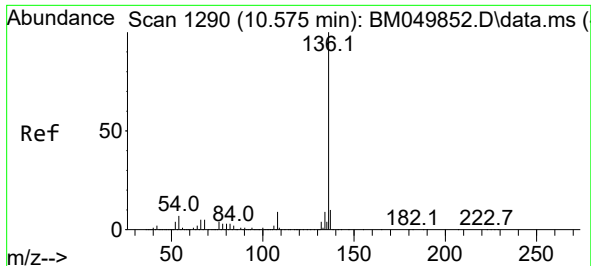


#20
3+4-Methylphenols
Concen: 44.605 ng
RT: 8.551 min Scan# 946
Delta R.T. 0.000 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

Tgt Ion: 107 Resp: 1223758

Ion	Ratio	Lower	Upper
107	100		
108	90.0	69.6	109.6
77	32.7	11.7	51.7
79	27.2	7.3	47.3

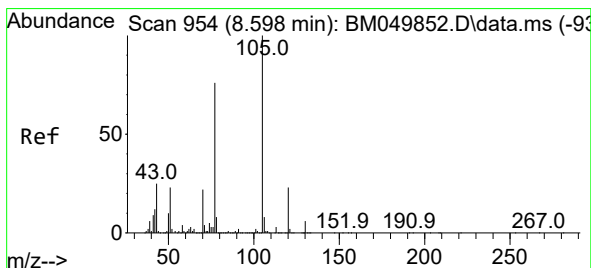
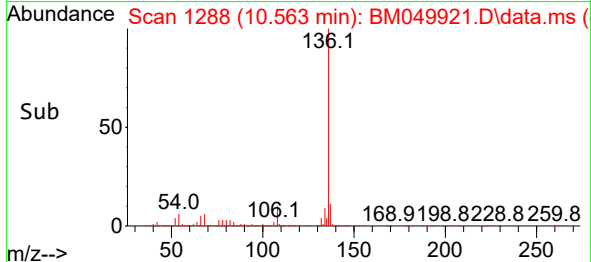
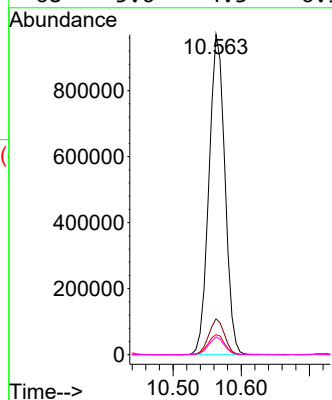
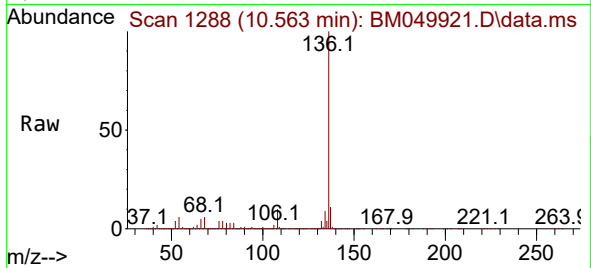




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

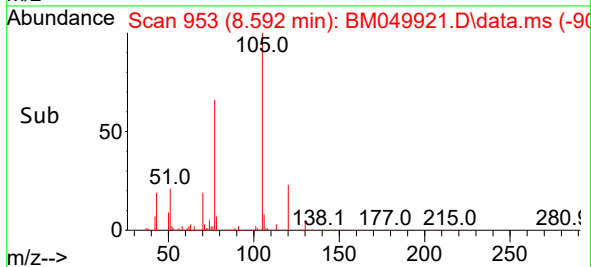
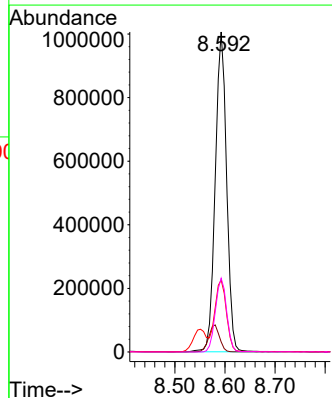
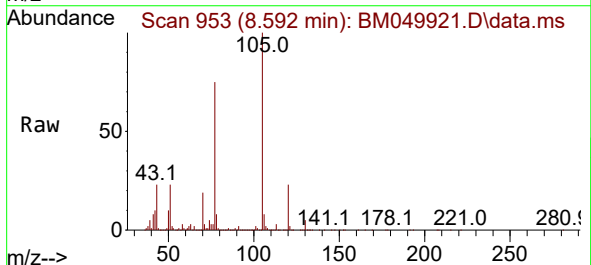
Instrument :
BNA_M
ClientSampleId :
TP-23MSD

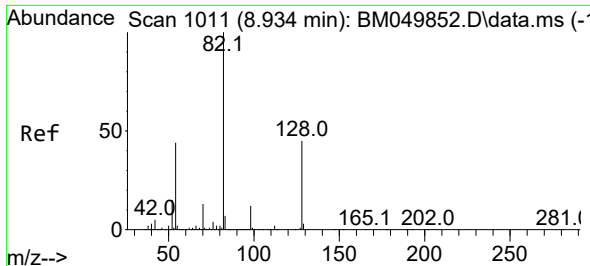
Tgt Ion:136 Resp: 1579651
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 6.3 5.3 7.9
68 5.6 4.3 6.5



#22
Acetophenone
Concen: 41.100 ng
RT: 8.592 min Scan# 953
Delta R.T. -0.006 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

Tgt Ion:105 Resp: 1577845
Ion Ratio Lower Upper
105 100
71 3.1 3.0 4.4
51 22.5 18.6 27.8
120 23.1 18.5 27.7





#23

Nitrobenzene-d5

Concen: 67.495 ng

RT: 8.928 min Scan# 1010

Delta R.T. -0.006 min

Lab File: BM049921.D

Acq: 14 Apr 2025 19:46

Instrument :

BNA_M

ClientSampleId :

TP-23MSD

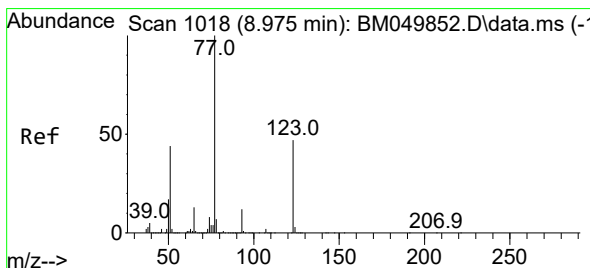
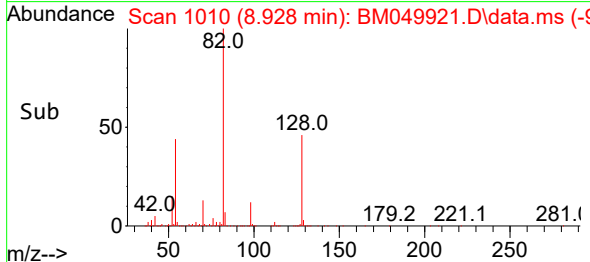
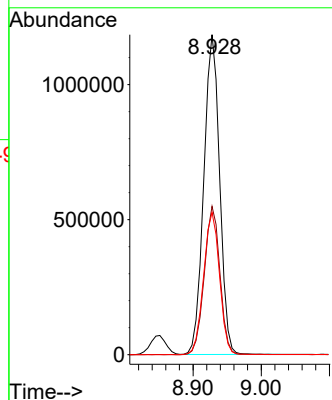
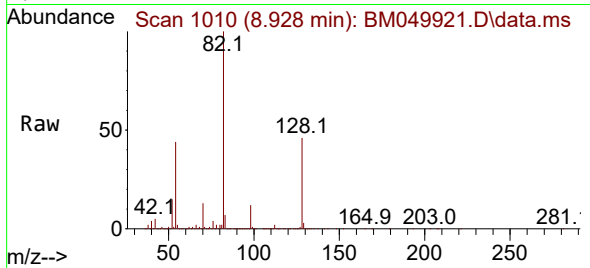
Tgt Ion: 82 Resp: 1914655

Ion Ratio Lower Upper

82 100

128 46.4 36.2 54.2

54 44.5 35.0 52.6



#24

Nitrobenzene

Concen: 40.728 ng

RT: 8.969 min Scan# 1017

Delta R.T. -0.006 min

Lab File: BM049921.D

Acq: 14 Apr 2025 19:46

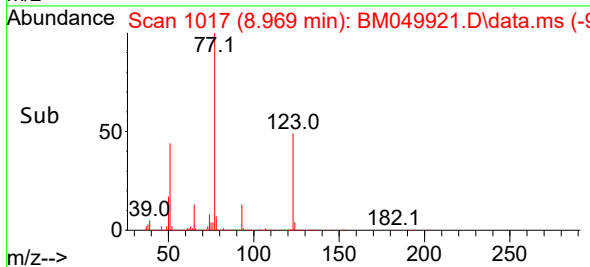
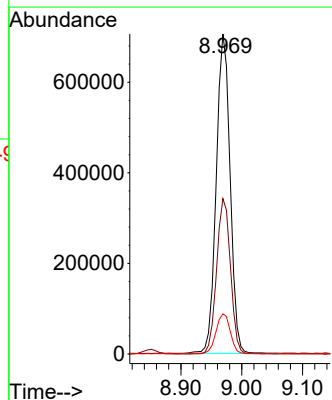
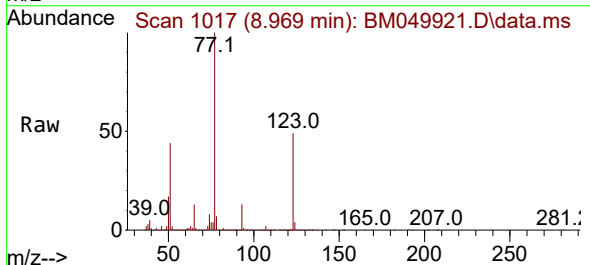
Tgt Ion: 77 Resp: 1112490

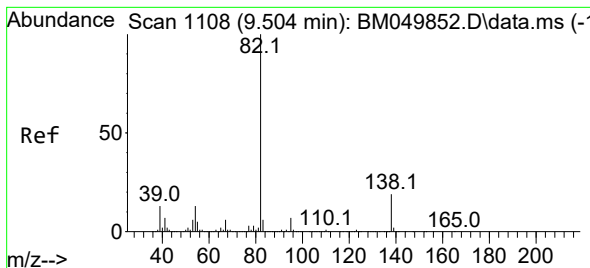
Ion Ratio Lower Upper

77 100

123 48.6 37.4 56.2

65 12.6 10.1 15.1





#25

Isophorone

Concen: 44.105 ng

RT: 9.498 min Scan# 1107

Delta R.T. -0.006 min

Lab File: BM049921.D

Acq: 14 Apr 2025 19:46

Instrument :

BNA_M

ClientSampleId :

TP-23MSD

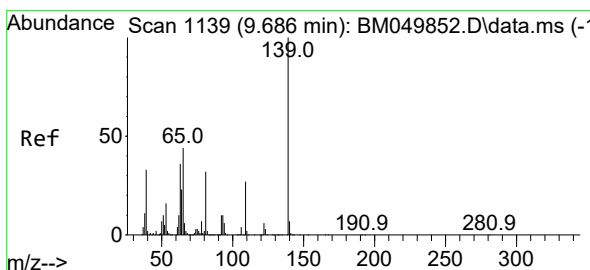
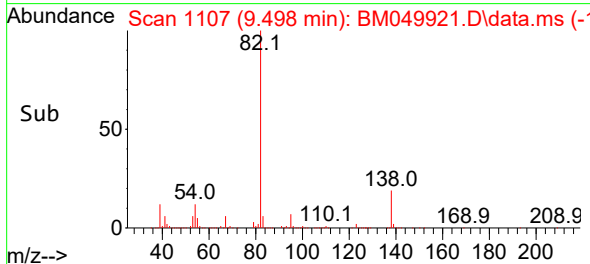
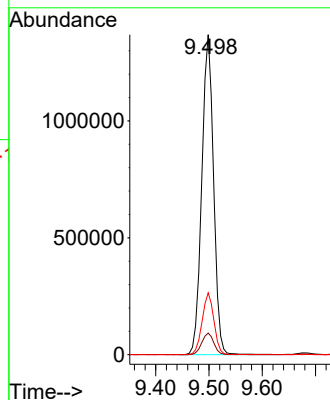
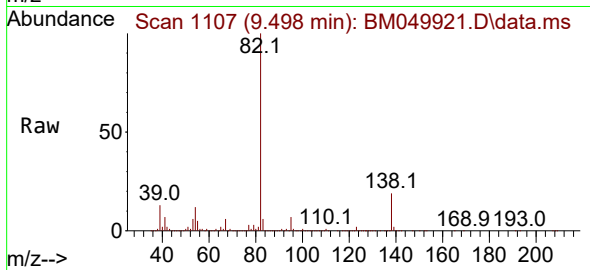
Tgt Ion: 82 Resp: 2095903

Ion Ratio Lower Upper

82 100

95 6.8 5.4 8.2

138 19.4 15.0 22.6



#26

2-Nitrophenol

Concen: 42.174 ng

RT: 9.681 min Scan# 1138

Delta R.T. -0.006 min

Lab File: BM049921.D

Acq: 14 Apr 2025 19:46

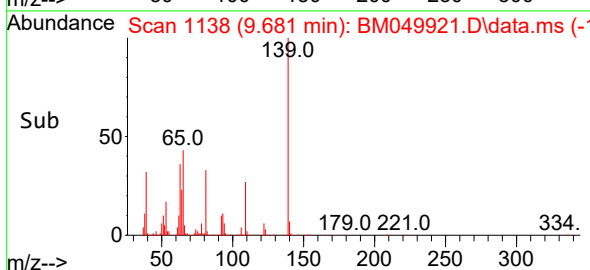
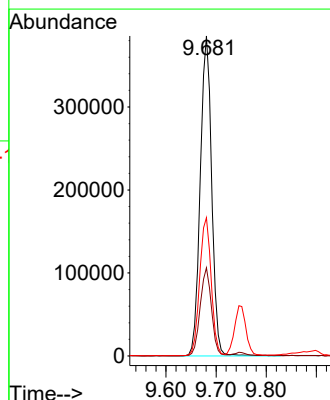
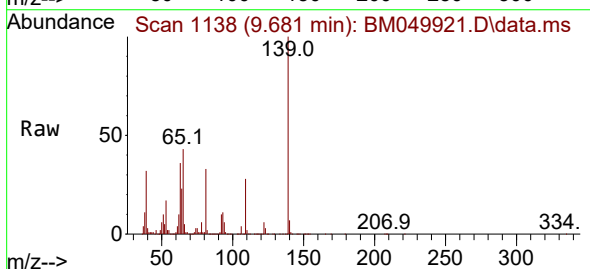
Tgt Ion:139 Resp: 610582

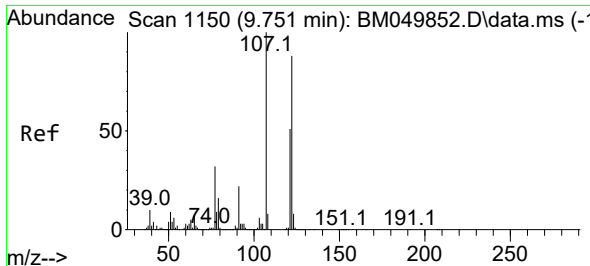
Ion Ratio Lower Upper

139 100

109 27.6 21.7 32.5

65 43.2 35.2 52.8





#27

2,4-Dimethylphenol

Concen: 60.282 ng

RT: 9.751 min Scan# 1150

Delta R.T. 0.000 min

Lab File: BM049921.D

Acq: 14 Apr 2025 19:46

Instrument :

BNA_M

ClientSampleId :

TP-23MSD

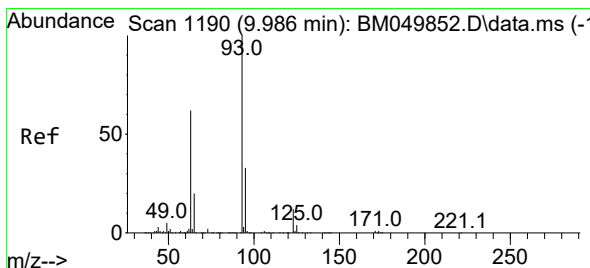
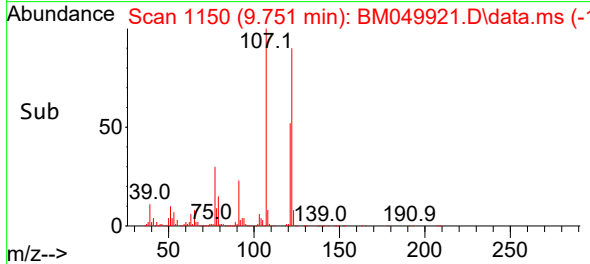
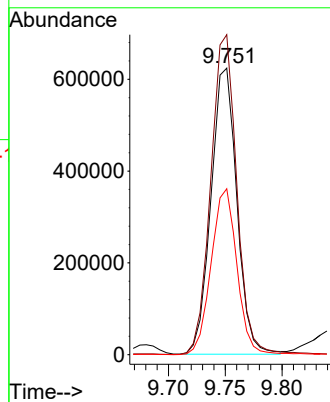
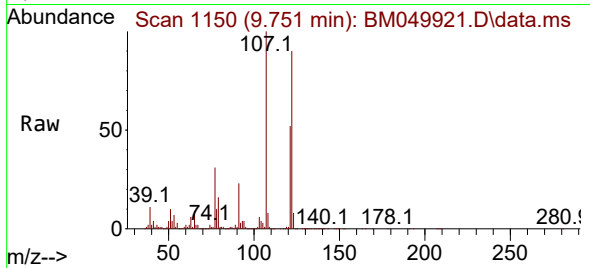
Tgt Ion:122 Resp: 989050

Ion Ratio Lower Upper

122 100

107 111.7 90.3 135.5

121 57.9 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 41.773 ng

RT: 9.975 min Scan# 1188

Delta R.T. -0.012 min

Lab File: BM049921.D

Acq: 14 Apr 2025 19:46

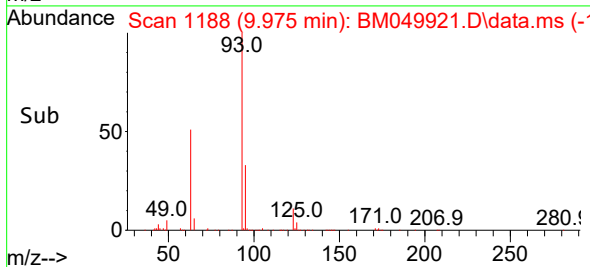
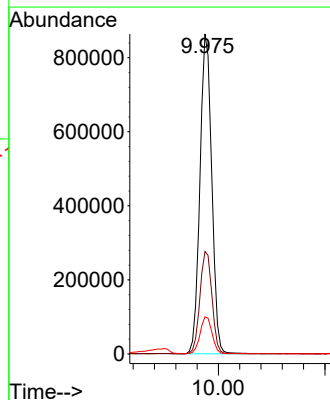
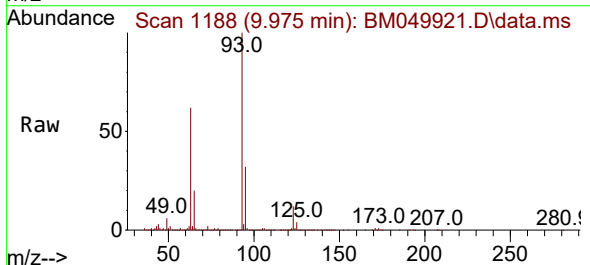
Tgt Ion: 93 Resp: 1328993

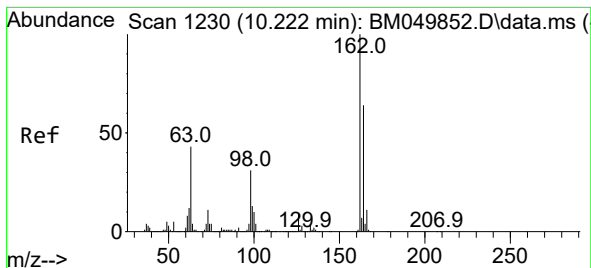
Ion Ratio Lower Upper

93 100

95 32.0 26.6 40.0

123 11.6 9.5 14.3





#29

2,4-Dichlorophenol

Concen: 41.654 ng

RT: 10.222 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM049921.D

Acq: 14 Apr 2025 19:46

Instrument :

BNA_M

ClientSampleId :

TP-23MSD

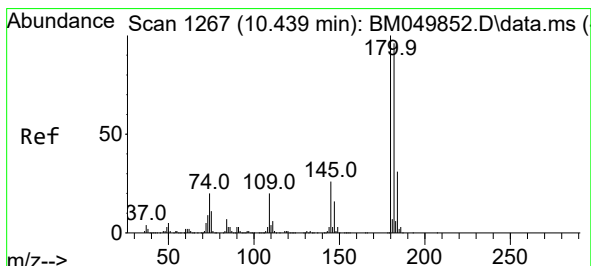
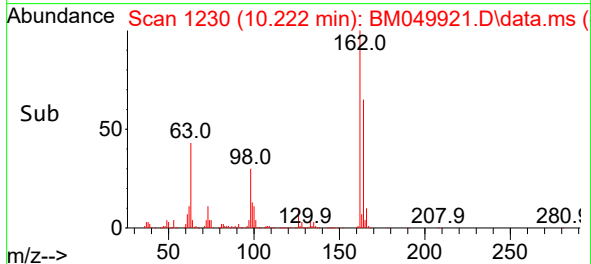
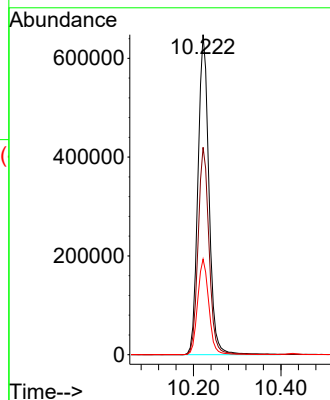
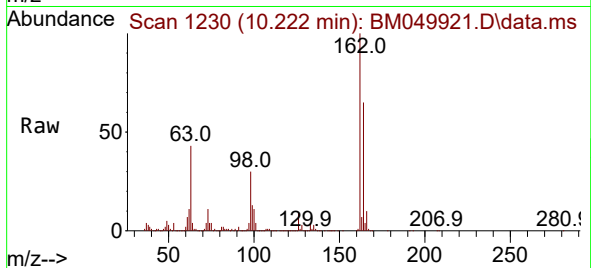
Tgt Ion:162 Resp: 1136041

Ion Ratio Lower Upper

162 100

164 64.8 44.3 84.3

98 29.8 10.9 50.9



#30

1,2,4-Trichlorobenzene

Concen: 41.680 ng

RT: 10.428 min Scan# 1265

Delta R.T. -0.012 min

Lab File: BM049921.D

Acq: 14 Apr 2025 19:46

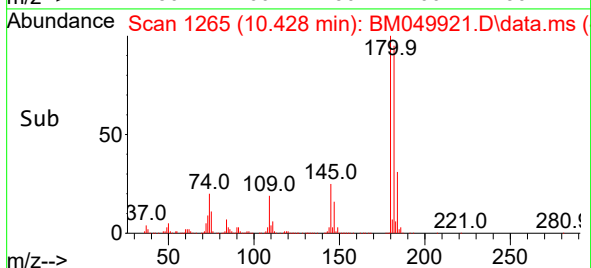
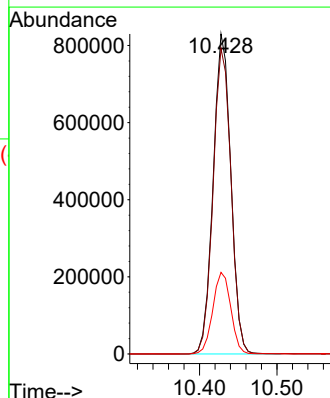
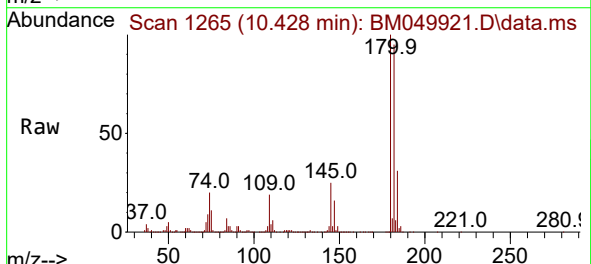
Tgt Ion:180 Resp: 1315047

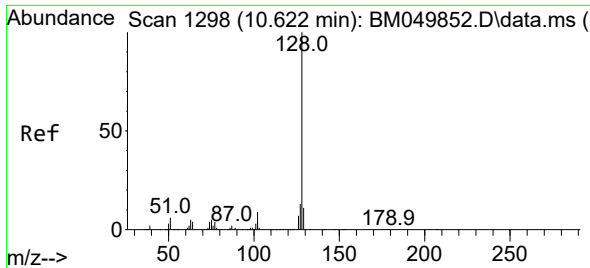
Ion Ratio Lower Upper

180 100

182 95.4 76.7 115.1

145 25.5 20.8 31.2

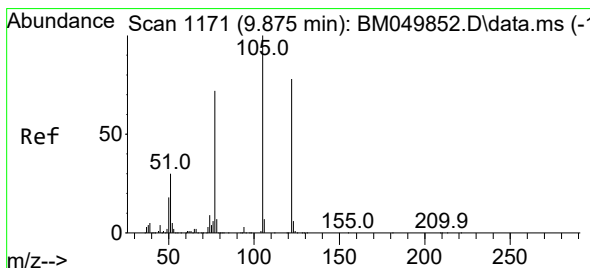
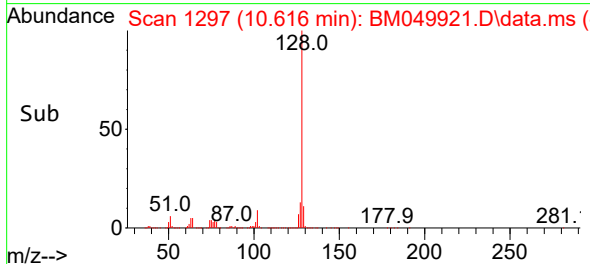
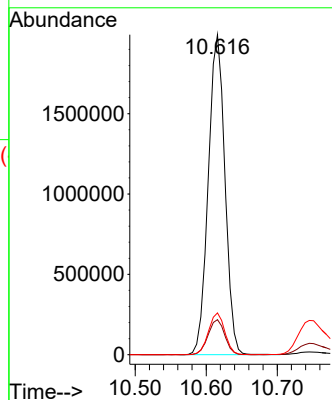
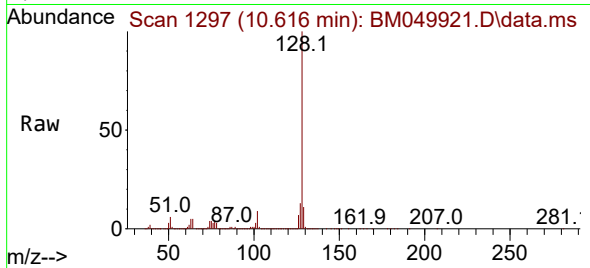




#31
Naphthalene
Concen: 39.990 ng
RT: 10.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

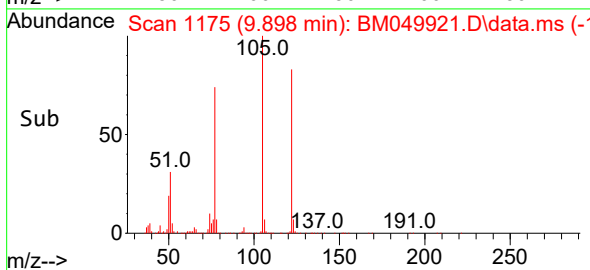
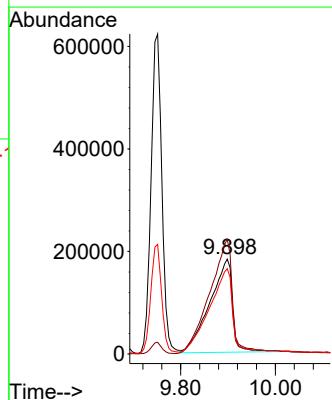
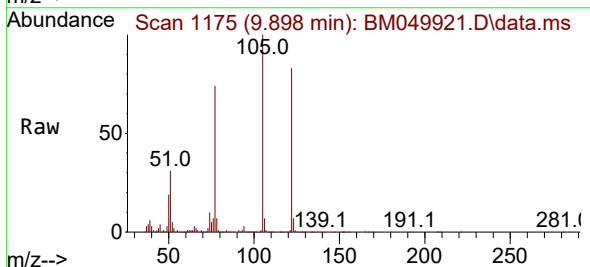
Instrument :
BNA_M
ClientSampleId :
TP-23MSD

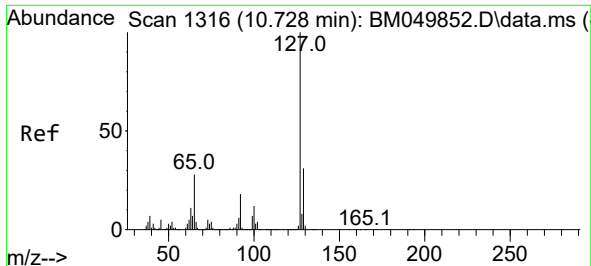
Tgt Ion:128 Resp: 3245955
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 13.1 10.6 15.8



#32
Benzoic acid
Concen: 33.087 ng
RT: 9.898 min Scan# 1175
Delta R.T. 0.023 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

Tgt Ion:122 Resp: 607281
Ion Ratio Lower Upper
122 100
105 120.8 103.8 143.8
77 89.9 70.7 110.7

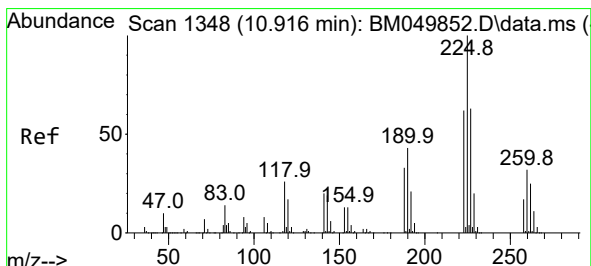
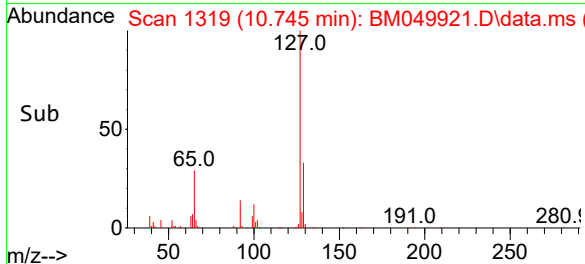
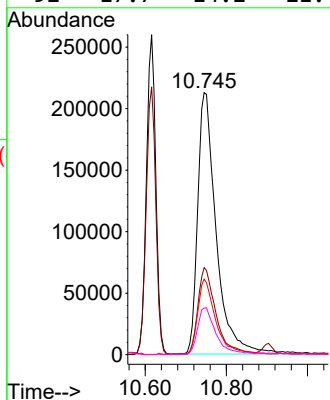
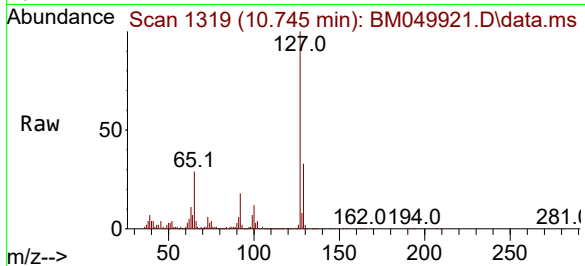




#33
4-Chloroaniline
Concen: 23.481 ng
RT: 10.745 min Scan# 1316
Delta R.T. 0.018 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

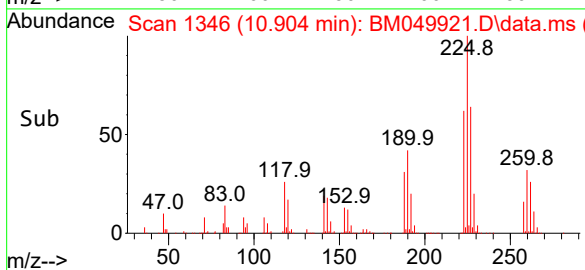
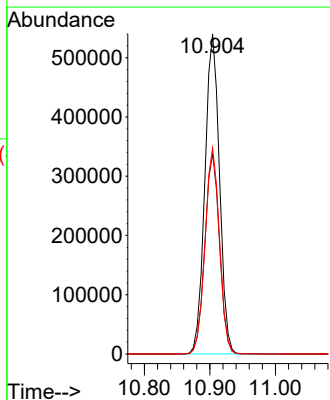
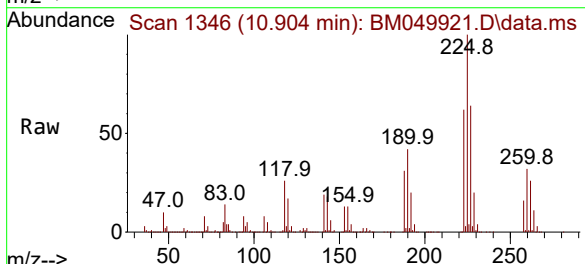
Instrument :
BNA_M
ClientSampleId :
TP-23MSD

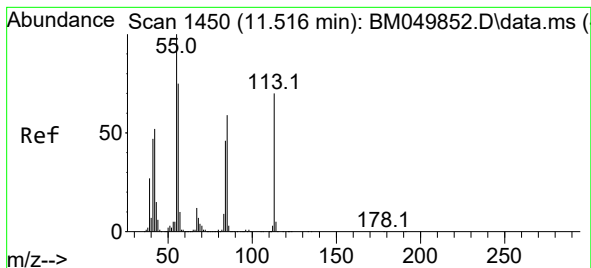
Tgt Ion:	127	Resp:	673006
Ion	Ratio	Lower	Upper
127	100		
129	33.2	24.9	37.3
65	28.8	22.4	33.6
92	17.7	14.2	21.4



#34
Hexachlorobutadiene
Concen: 42.881 ng
RT: 10.904 min Scan# 1346
Delta R.T. -0.012 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

Tgt Ion:	225	Resp:	836884
Ion	Ratio	Lower	Upper
225	100		
223	62.5	49.4	74.2
227	64.4	50.1	75.1





#35

Caprolactam

Concen: 37.873 ng

RT: 11.522 min Scan# 14

Delta R.T. 0.006 min

Lab File: BM049921.D

Acq: 14 Apr 2025 19:46

Instrument :

BNA_M

ClientSampleId :

TP-23MSD

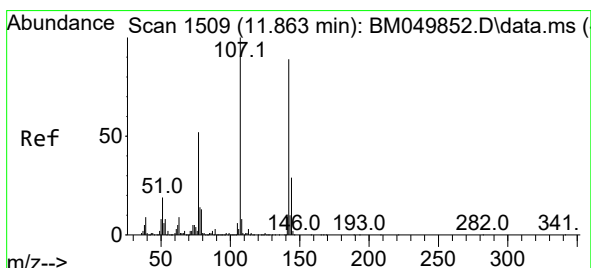
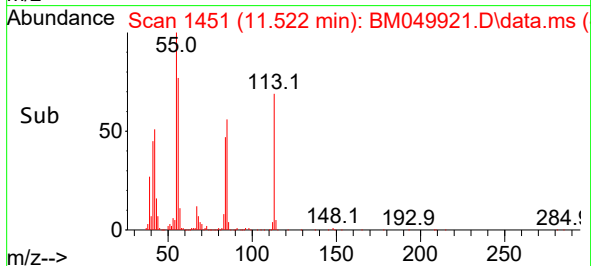
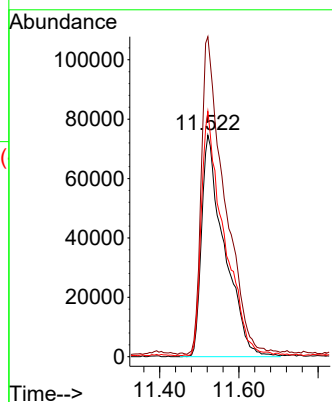
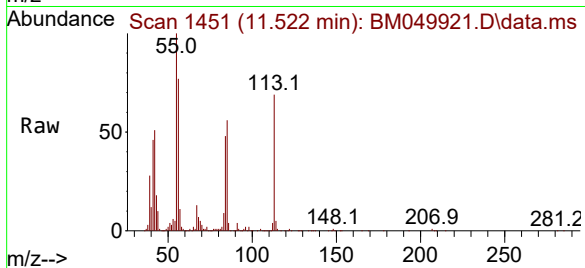
Tgt Ion:113 Resp: 296251

Ion Ratio Lower Upper

113 100

55 144.5 124.3 164.3

56 110.8 87.5 127.5



#36

4-Chloro-3-methylphenol

Concen: 40.015 ng

RT: 11.869 min Scan# 1510

Delta R.T. 0.006 min

Lab File: BM049921.D

Acq: 14 Apr 2025 19:46

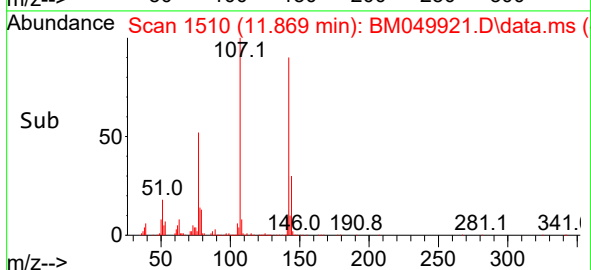
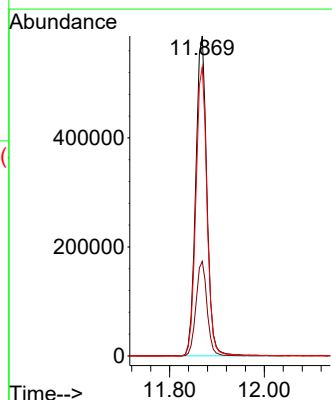
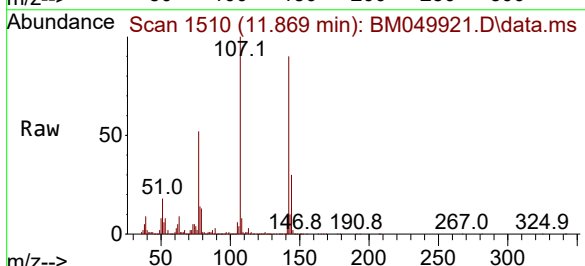
Tgt Ion:107 Resp: 955956

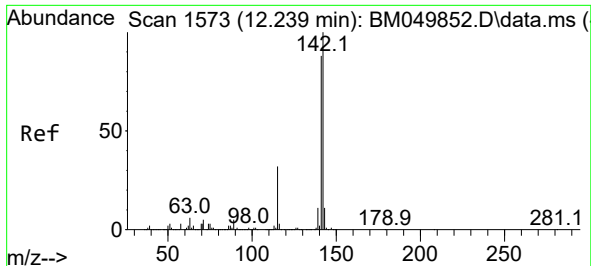
Ion Ratio Lower Upper

107 100

144 29.5 23.6 35.4

142 90.3 71.4 107.0

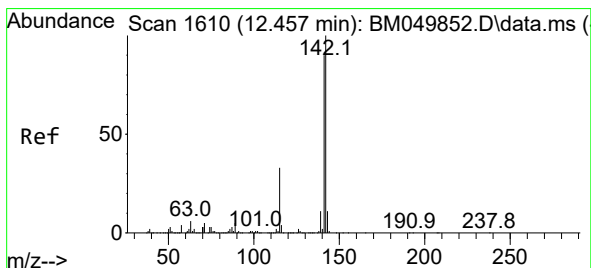
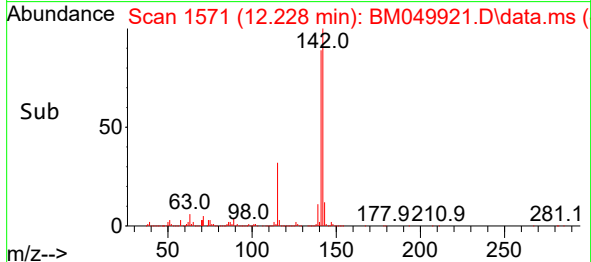
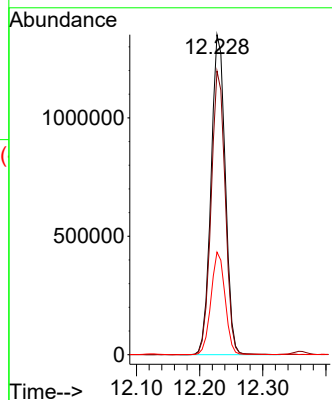
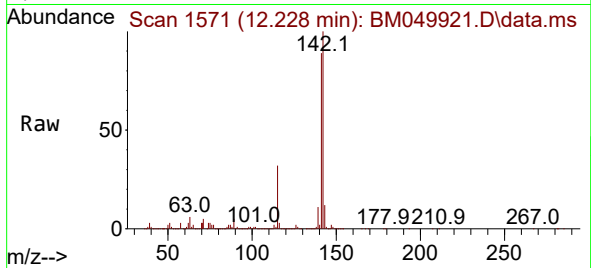




#37
2-Methylnaphthalene
Concen: 37.033 ng
RT: 12.228 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

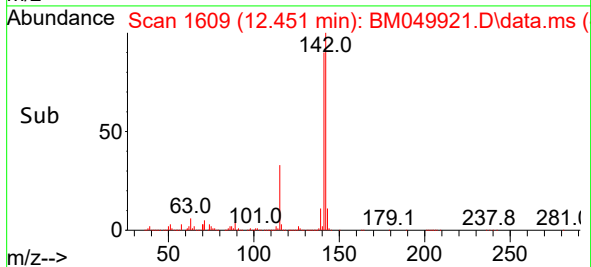
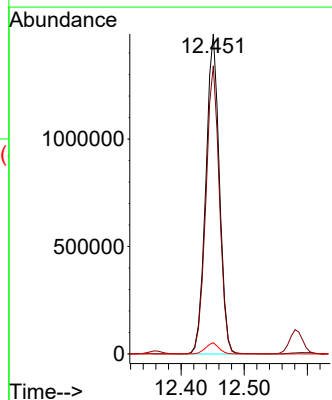
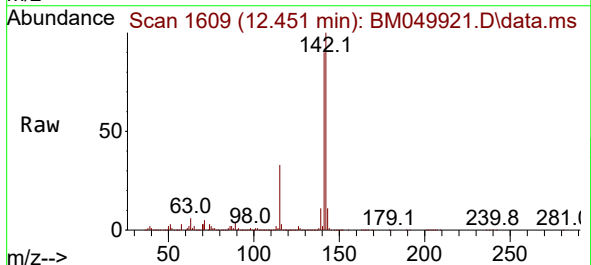
Instrument :
BNA_M
ClientSampleId :
TP-23MSD

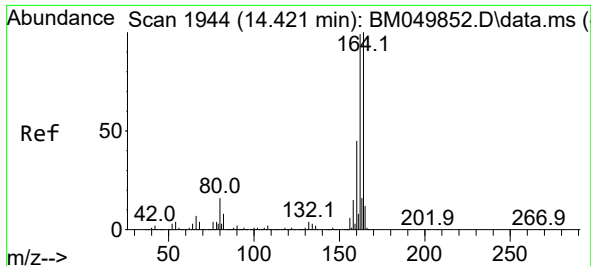
Tgt Ion:142 Resp: 2117874
Ion Ratio Lower Upper
142 100
141 88.7 70.2 105.2
115 32.1 25.4 38.2



#38
1-Methylnaphthalene
Concen: 39.798 ng
RT: 12.451 min Scan# 1609
Delta R.T. -0.006 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

Tgt Ion:142 Resp: 2217335
Ion Ratio Lower Upper
142 100
141 90.0 72.2 108.2
116 3.5 2.9 4.3

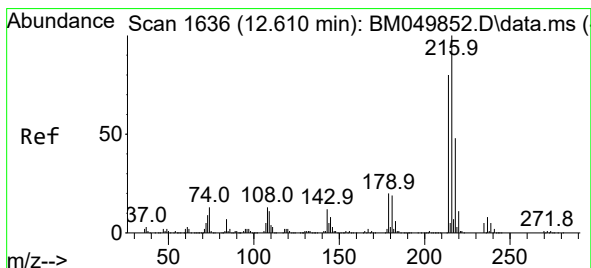
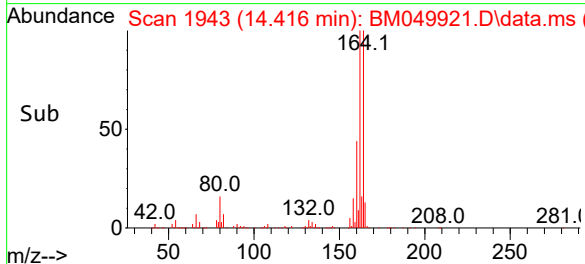
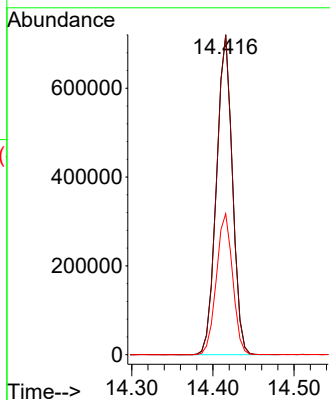
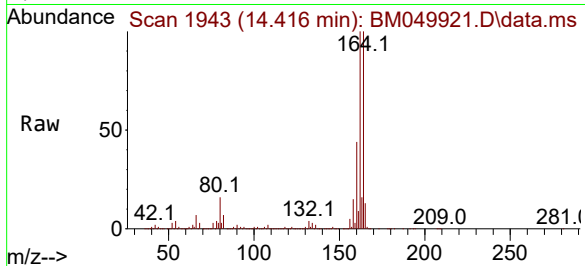




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

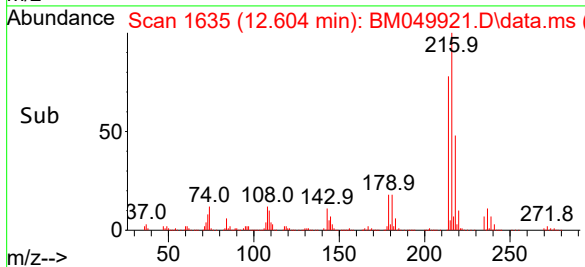
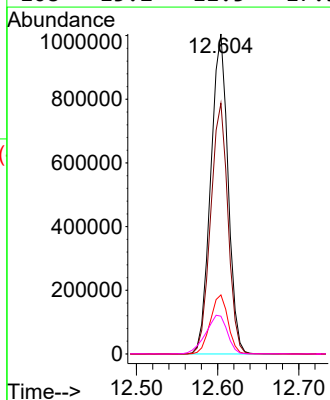
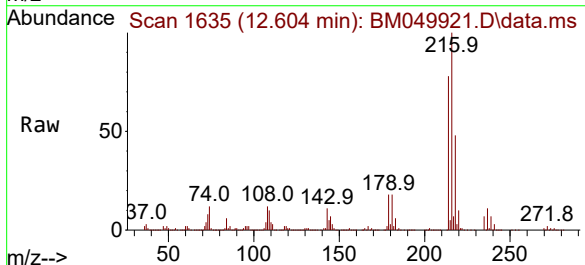
Instrument :
BNA_M
ClientSampleId :
TP-23MSD

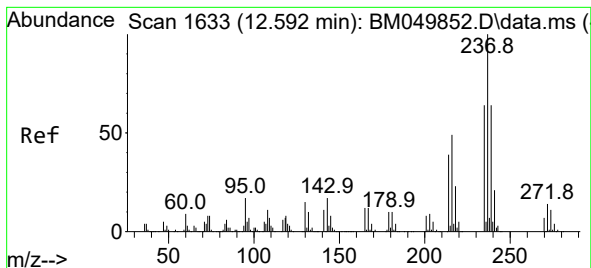
Tgt Ion:164 Resp: 986011
Ion Ratio Lower Upper
164 100
162 99.8 79.4 119.0
160 44.0 36.2 54.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.198 ng
RT: 12.604 min Scan# 1635
Delta R.T. -0.006 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

Tgt Ion:216 Resp: 1490131
Ion Ratio Lower Upper
216 100
214 78.1 63.2 94.8
179 18.9 15.8 23.6
108 15.2 11.5 17.3





#41

Hexachlorocyclopentadiene

Concen: 137.081 ng

RT: 12.586 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM049921.D

Acq: 14 Apr 2025 19:46

Instrument :

BNA_M

ClientSampleId :

TP-23MSD

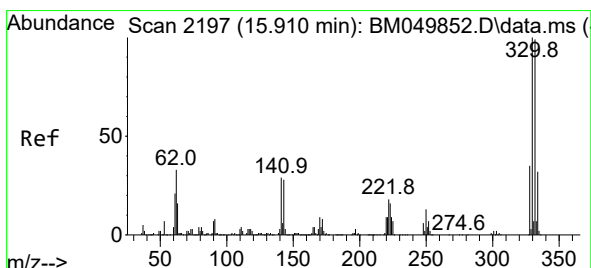
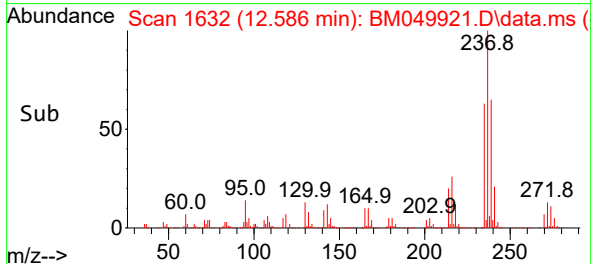
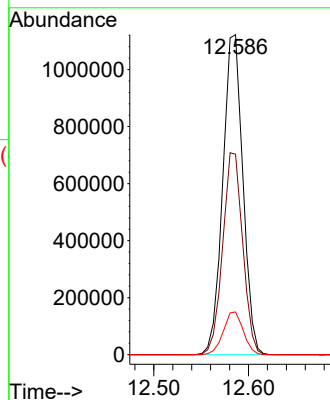
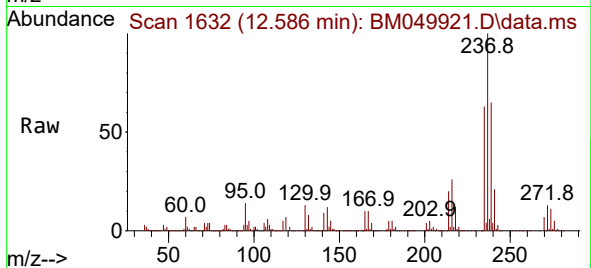
Tgt Ion:237 Resp: 1656948

Ion Ratio Lower Upper

237 100

235 62.7 43.7 83.7

272 13.3 0.0 33.5



#42

2,4,6-Tribromophenol

Concen: 102.259 ng

RT: 15.904 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BM049921.D

Acq: 14 Apr 2025 19:46

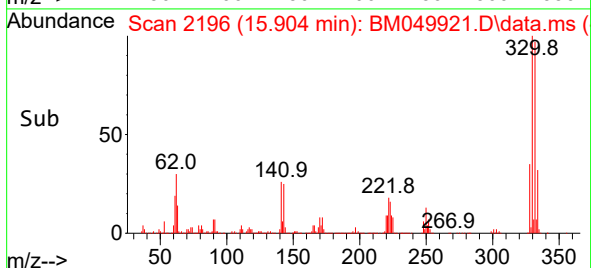
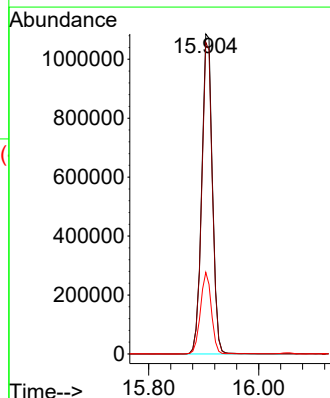
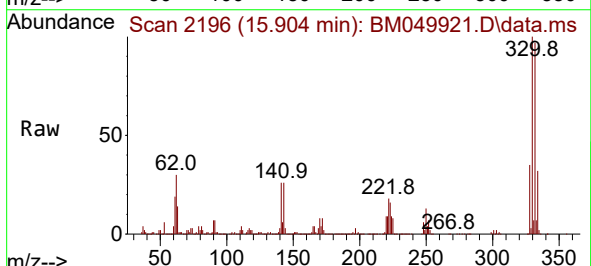
Tgt Ion:330 Resp: 1466590

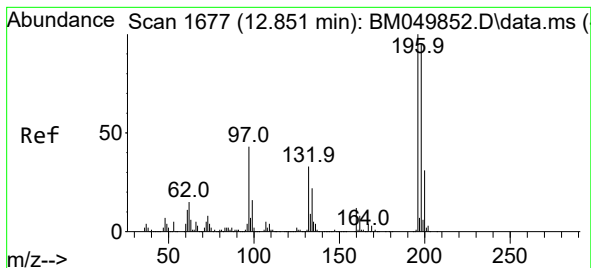
Ion Ratio Lower Upper

330 100

332 96.7 78.0 117.0

141 26.0 23.5 35.3





#43

2,4,6-Trichlorophenol

Concen: 42.927 ng

RT: 12.845 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM049921.D

Acq: 14 Apr 2025 19:46

Instrument :

BNA_M

ClientSampleId :

TP-23MSD

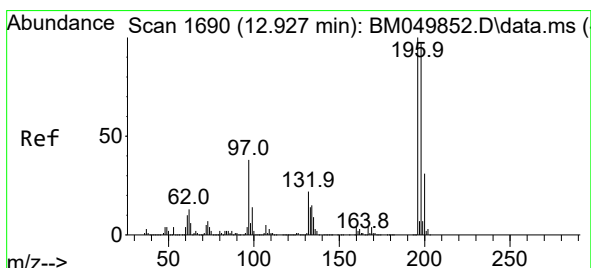
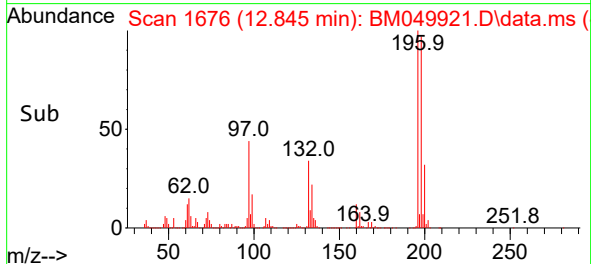
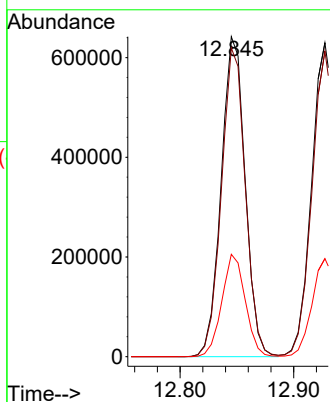
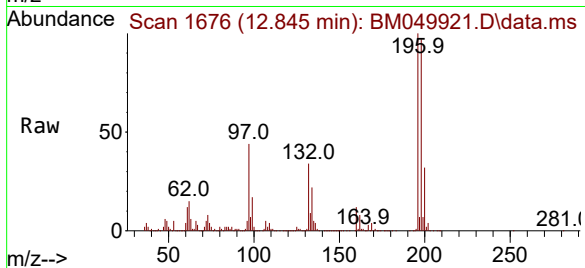
Tgt Ion:196 Resp: 942264

Ion Ratio Lower Upper

196 100

198 96.5 76.1 114.1

200 32.0 24.7 37.1



#44

2,4,5-Trichlorophenol

Concen: 42.569 ng

RT: 12.928 min Scan# 1690

Delta R.T. 0.000 min

Lab File: BM049921.D

Acq: 14 Apr 2025 19:46

Tgt Ion:196 Resp: 1015428

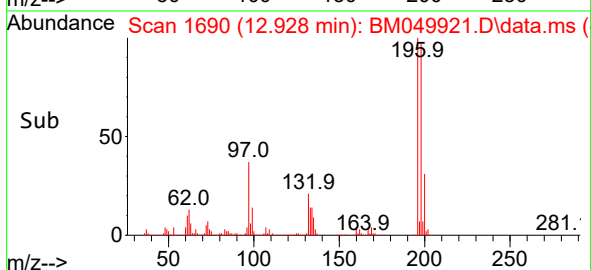
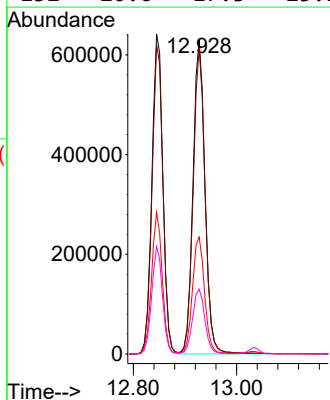
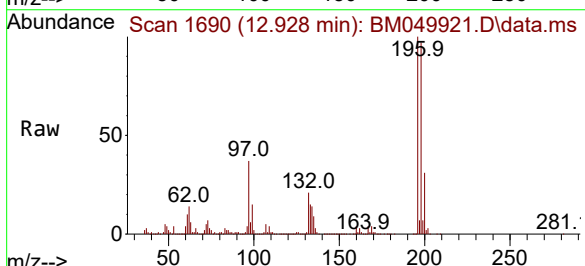
Ion Ratio Lower Upper

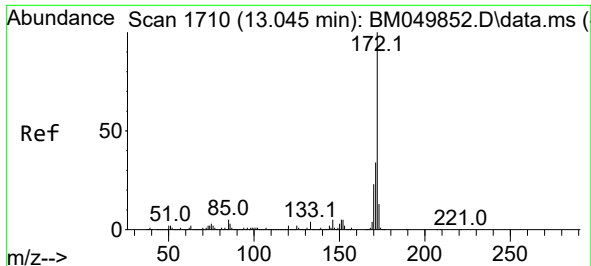
196 100

198 97.3 77.7 116.5

97 37.2 30.3 45.5

132 20.6 17.3 25.9

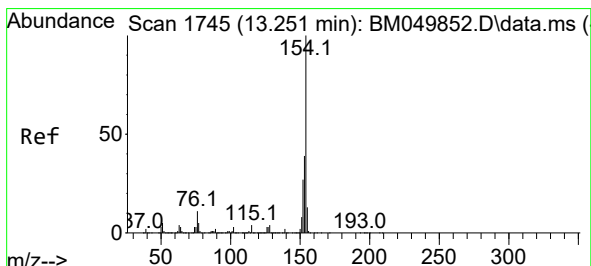
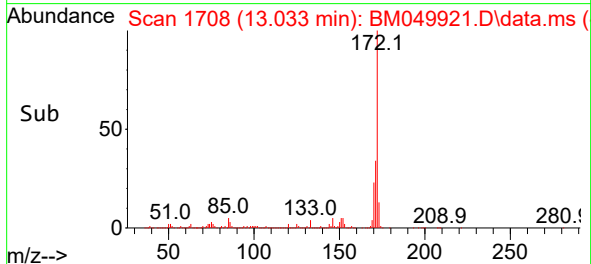
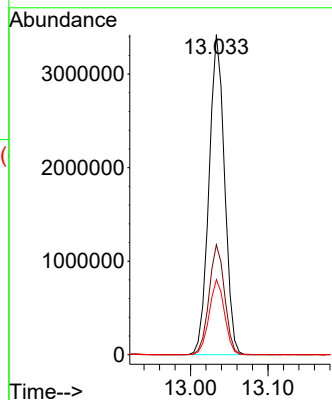
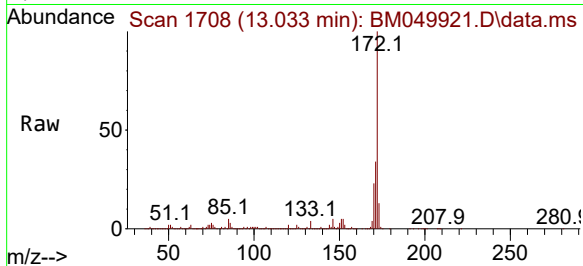




#45
2-Fluorobiphenyl
Concen: 65.517 ng
RT: 13.033 min Scan# 1708
Delta R.T. -0.012 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

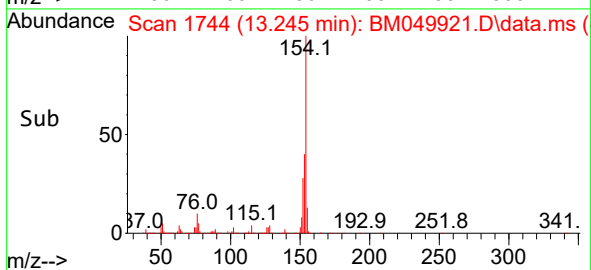
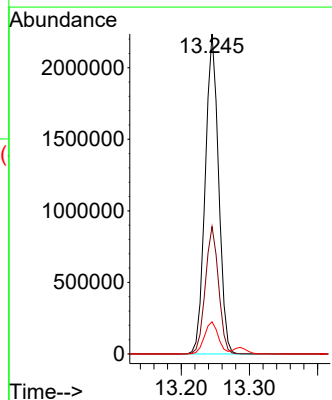
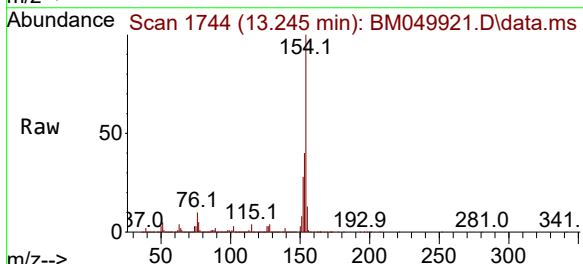
Instrument :
BNA_M
ClientSampleId :
TP-23MSD

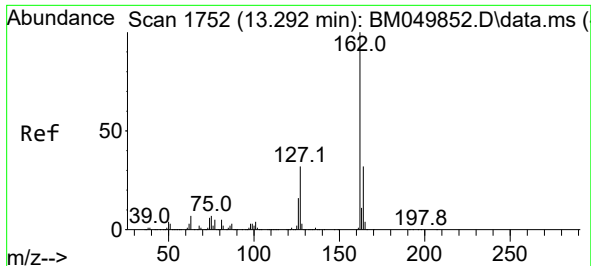
Tgt Ion:172 Resp: 4764043
Ion Ratio Lower Upper
172 100
171 34.3 27.4 41.2
170 23.5 18.6 28.0



#46
1,1'-Biphenyl
Concen: 41.615 ng
RT: 13.245 min Scan# 1744
Delta R.T. -0.006 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

Tgt Ion:154 Resp: 3050236
Ion Ratio Lower Upper
154 100
153 39.8 19.3 59.3
76 10.0 0.0 30.7

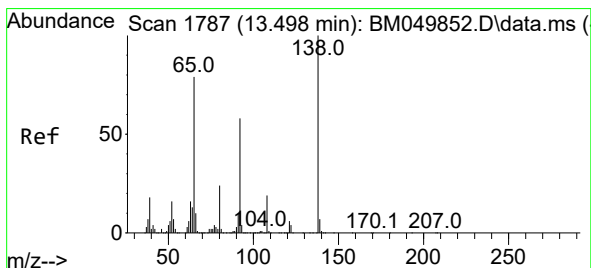
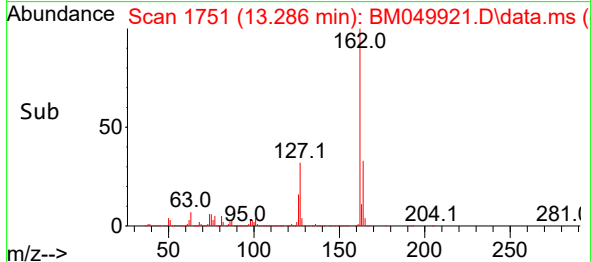
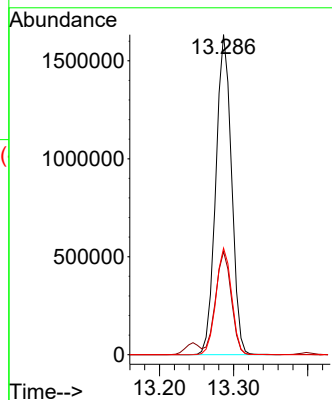
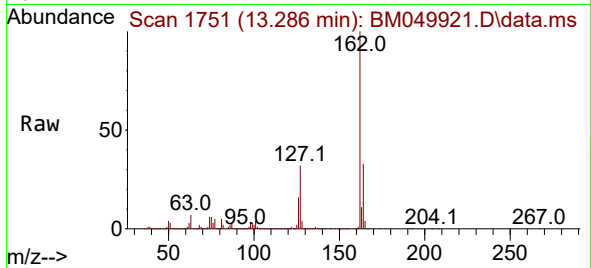




#47
2-Chloronaphthalene
Concen: 41.722 ng
RT: 13.286 min Scan# 1751
Delta R.T. -0.006 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

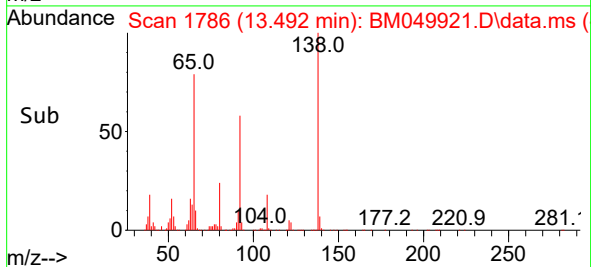
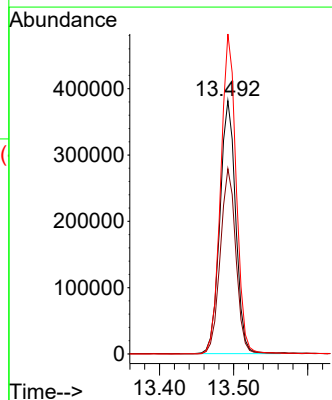
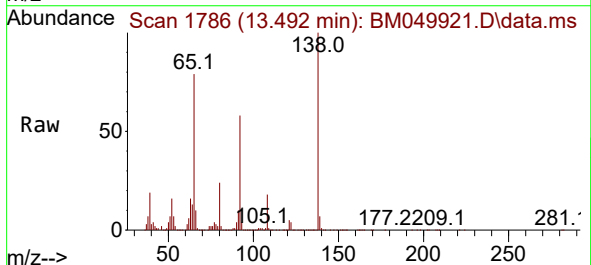
Instrument :
BNA_M
ClientSampleId :
TP-23MSD

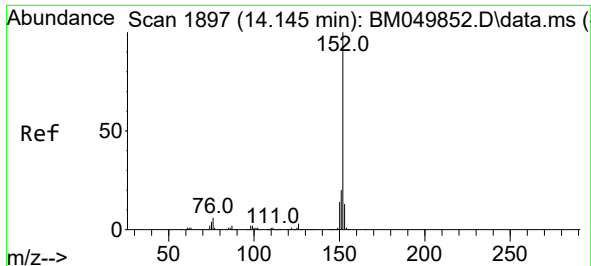
Tgt Ion:162 Resp: 2403600
Ion Ratio Lower Upper
162 100
127 32.2 26.0 39.0
164 33.3 25.9 38.9



#48
2-Nitroaniline
Concen: 42.408 ng
RT: 13.492 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

Tgt Ion: 65 Resp: 565205
Ion Ratio Lower Upper
65 100
92 73.1 58.4 87.6
138 126.3 100.8 151.2

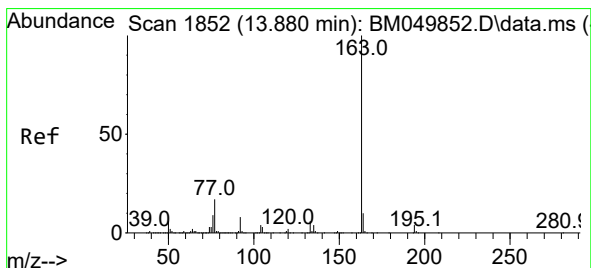
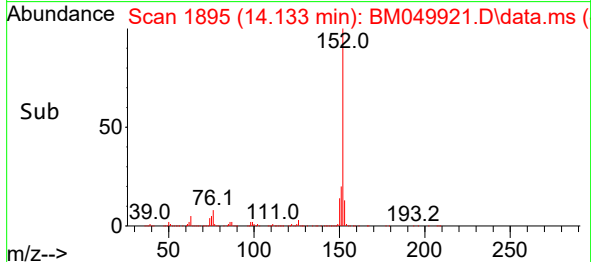
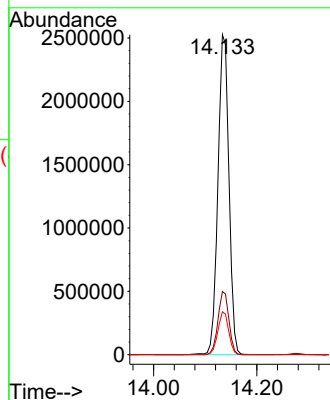
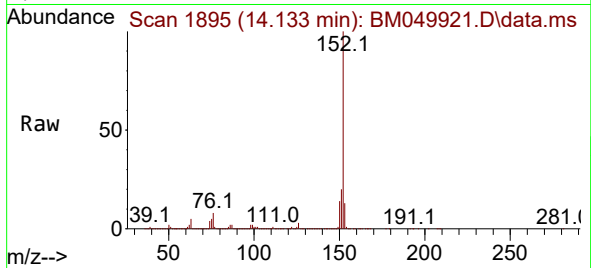




#49
Acenaphthylene
Concen: 44.354 ng
RT: 14.133 min Scan# 1895
Delta R.T. -0.012 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

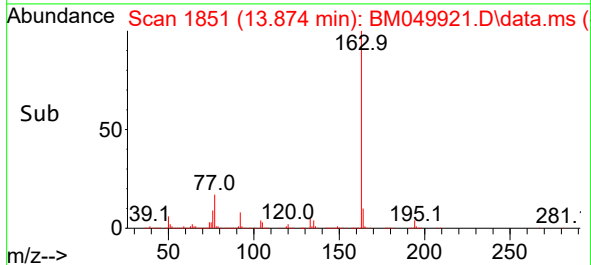
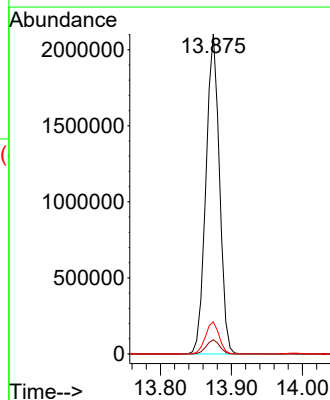
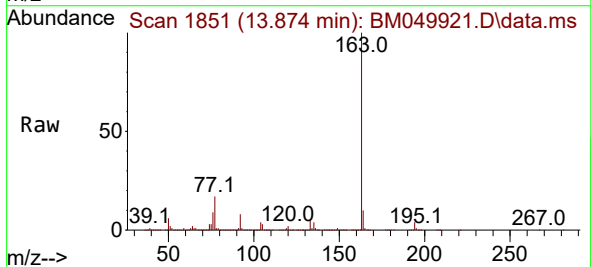
Instrument :
BNA_M
ClientSampleId :
TP-23MSD

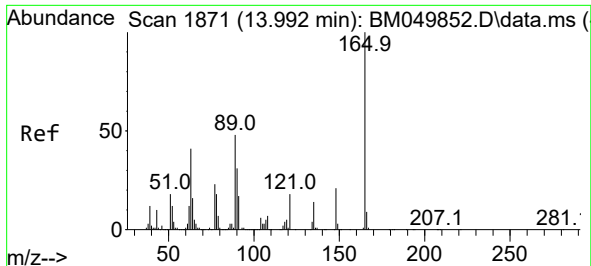
Tgt Ion:152 Resp: 3722138
Ion Ratio Lower Upper
152 100
151 19.8 15.7 23.5
153 13.4 10.4 15.6



#50
Dimethylphthalate
Concen: 40.059 ng
RT: 13.874 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

Tgt Ion:163 Resp: 2786558
Ion Ratio Lower Upper
163 100
194 4.5 3.5 5.3
164 10.1 7.9 11.9

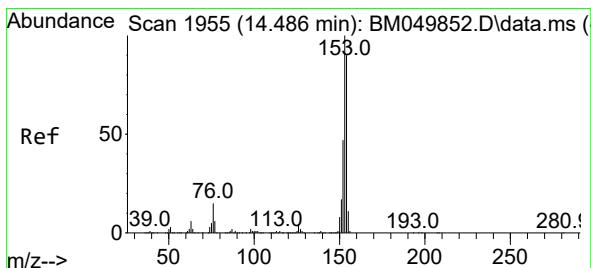
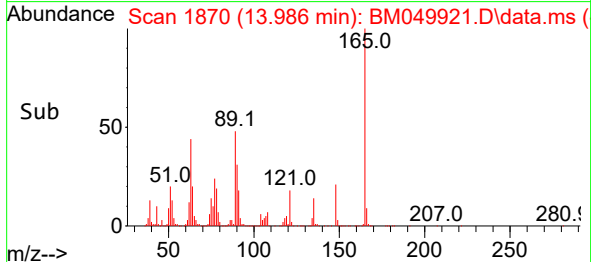
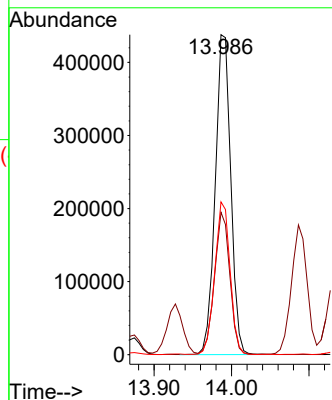
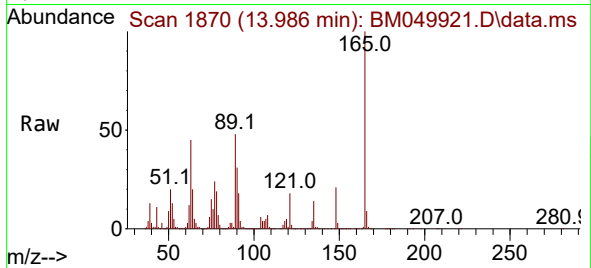




#51
2,6-Dinitrotoluene
Concen: 41.730 ng
RT: 13.986 min Scan# 1871
Delta R.T. -0.006 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

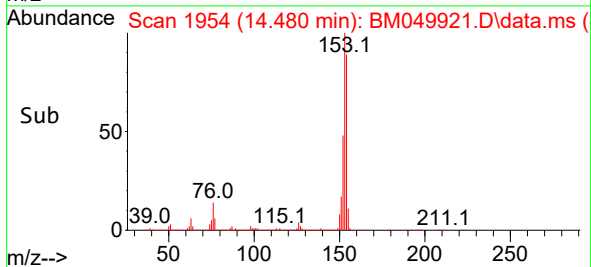
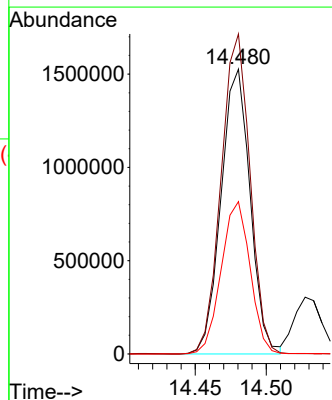
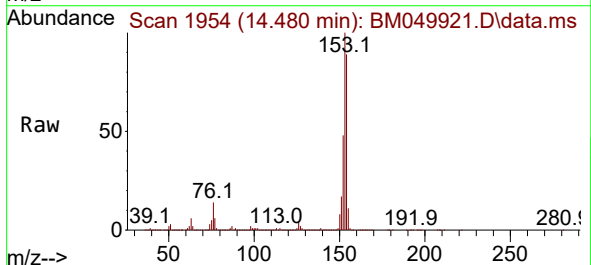
Instrument :
BNA_M
ClientSampleId :
TP-23MSD

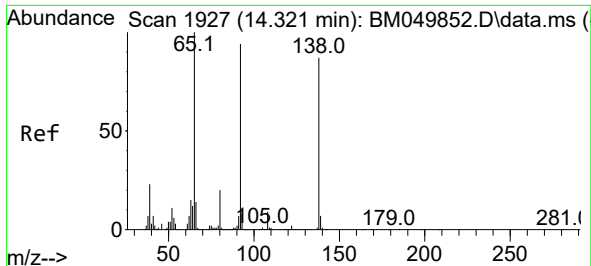
Tgt Ion:165 Resp: 608184
Ion Ratio Lower Upper
165 100
63 44.5 36.1 54.1
89 47.7 38.3 57.5



#52
Acenaphthene
Concen: 40.767 ng
RT: 14.480 min Scan# 1954
Delta R.T. -0.006 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

Tgt Ion:154 Resp: 2176080
Ion Ratio Lower Upper
154 100
153 112.3 89.3 133.9
152 53.5 42.2 63.2

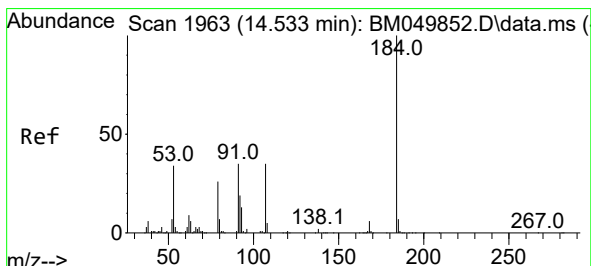
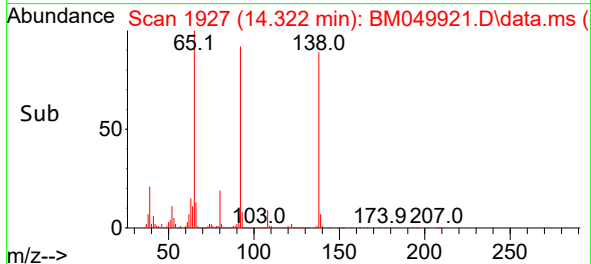
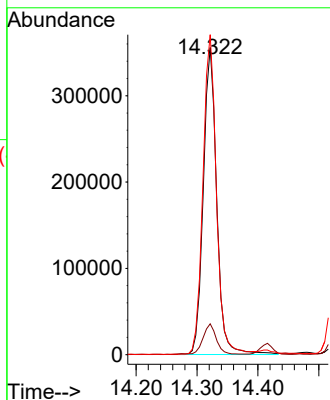
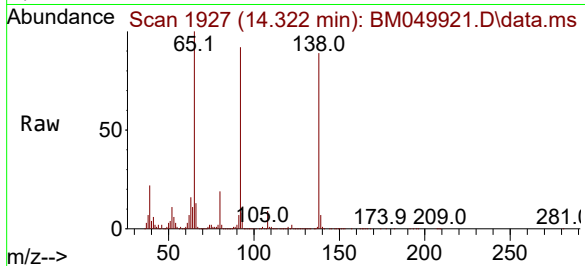




#53
3-Nitroaniline
Concen: 38.730 ng
RT: 14.322 min Scan# 1927
Delta R.T. 0.000 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

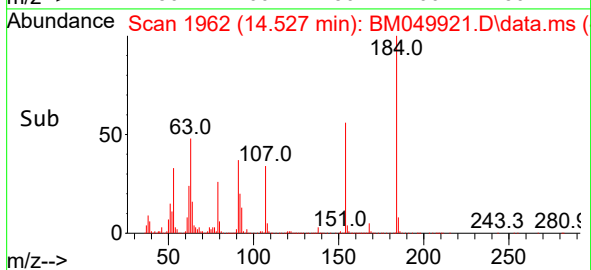
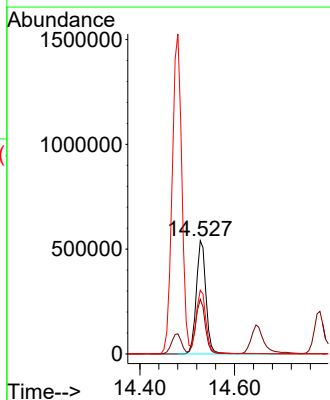
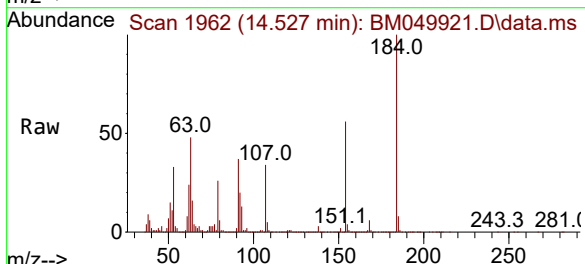
Instrument :
BNA_M
ClientSampleId :
TP-23MSD

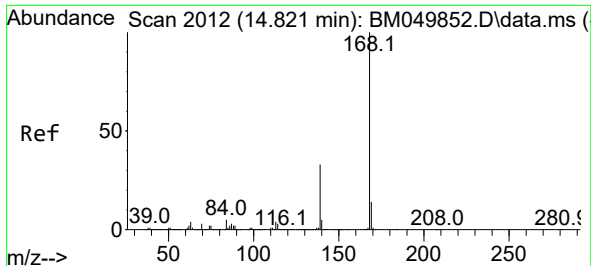
Tgt Ion:138 Resp: 545547
Ion Ratio Lower Upper
138 100
108 10.1 8.1 12.1
92 104.2 86.5 129.7



#54
2,4-Dinitrophenol
Concen: 74.030 ng
RT: 14.527 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

Tgt Ion:184 Resp: 775079
Ion Ratio Lower Upper
184 100
63 48.2 38.4 57.6
154 56.4 48.1 72.1

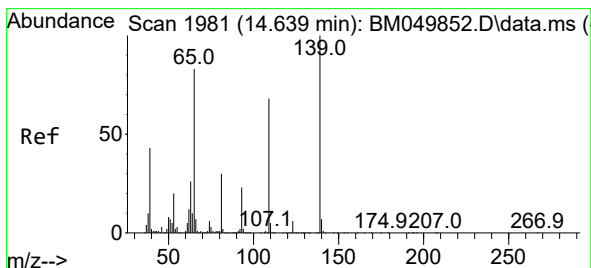
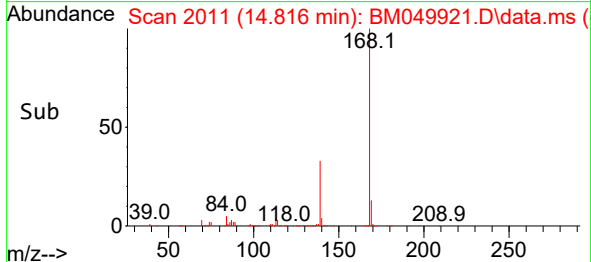
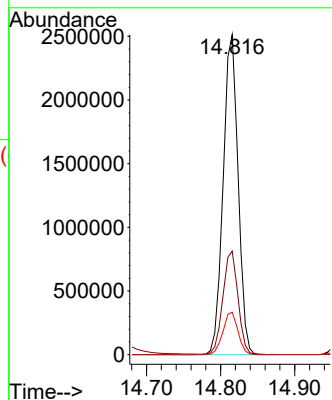
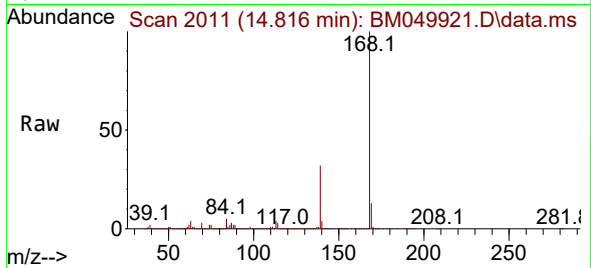




#55
Dibenzenofuran
Concen: 39.459 ng
RT: 14.816 min Scan# 20
Delta R.T. -0.006 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

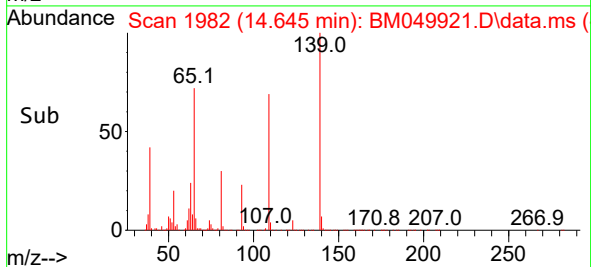
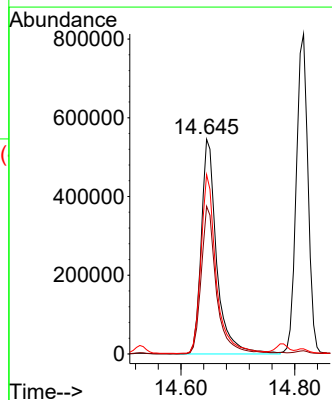
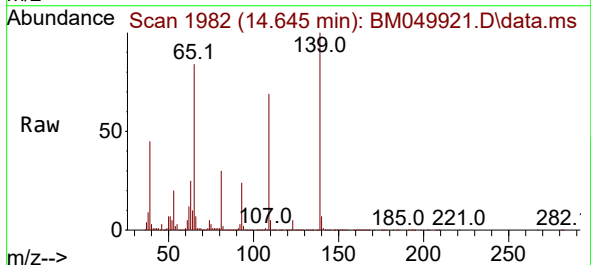
Instrument :
BNA_M
ClientSampleId :
TP-23MSD

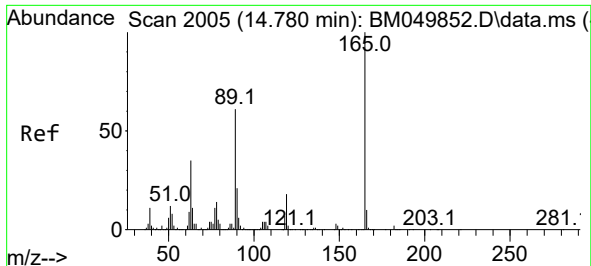
Tgt Ion:168 Resp: 3521114
Ion Ratio Lower Upper
168 100
139 32.3 26.6 39.8
169 13.3 11.0 16.4



#56
4-Nitrophenol
Concen: 82.174 ng
RT: 14.645 min Scan# 1982
Delta R.T. 0.006 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

Tgt Ion:139 Resp: 1031478
Ion Ratio Lower Upper
139 100
109 68.8 47.9 87.9
65 83.5 62.7 102.7

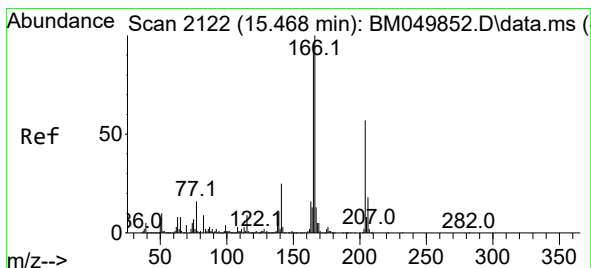
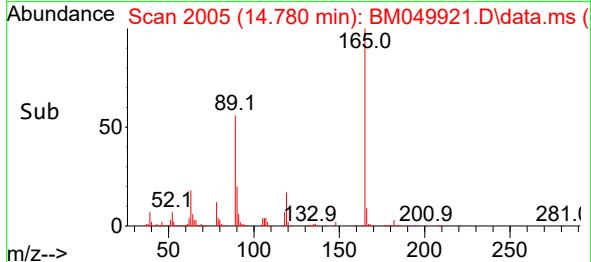
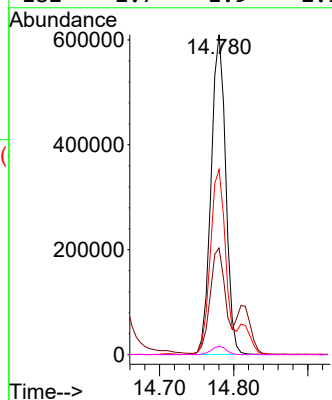
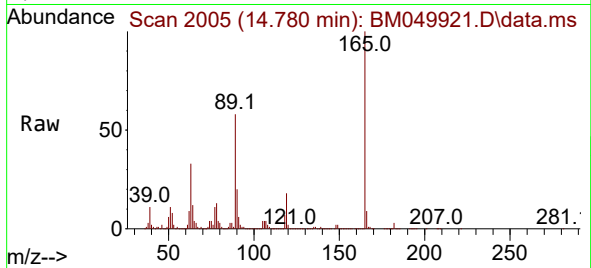




#57
2,4-Dinitrotoluene
Concen: 43.057 ng
RT: 14.780 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

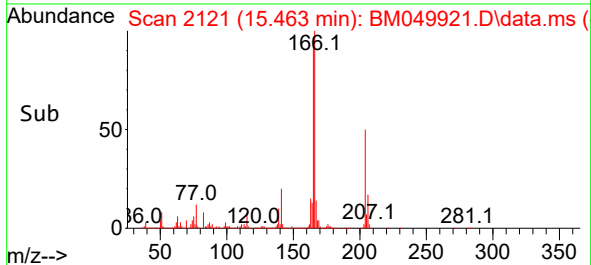
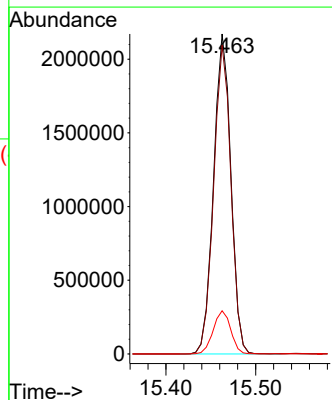
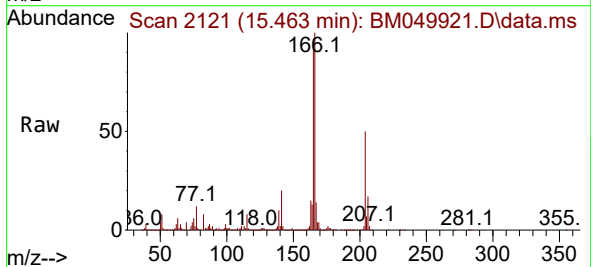
Instrument :
BNA_M
ClientSampleId :
TP-23MSD

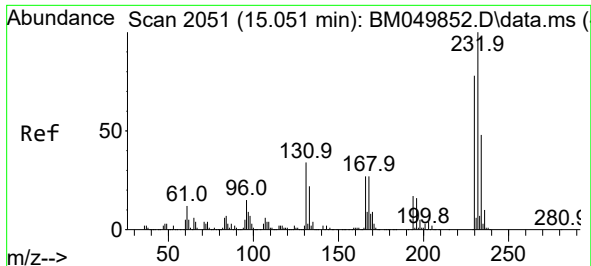
Tgt Ion:165 Resp: 837150
Ion Ratio Lower Upper
165 100
63 33.3 28.6 42.8
89 57.9 49.0 73.6
182 2.7 1.9 2.9



#58
Fluorene
Concen: 40.956 ng
RT: 15.463 min Scan# 2121
Delta R.T. -0.006 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

Tgt Ion:166 Resp: 2904991
Ion Ratio Lower Upper
166 100
165 96.5 76.3 114.5
167 13.5 10.7 16.1





#59

2,3,4,6-Tetrachlorophenol

Concen: 40.078 ng

RT: 15.045 min Scan# 2050

Delta R.T. -0.006 min

Lab File: BM049921.D

Acq: 14 Apr 2025 19:46

Instrument :

BNA_M

ClientSampleId :

TP-23MSD

Tgt Ion:232 Resp: 837924

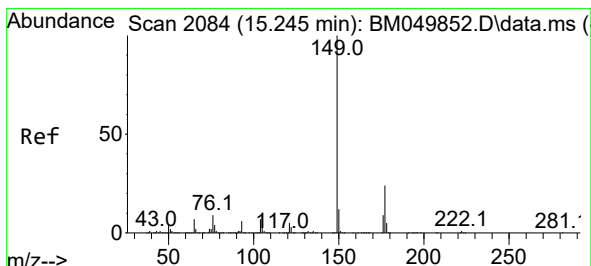
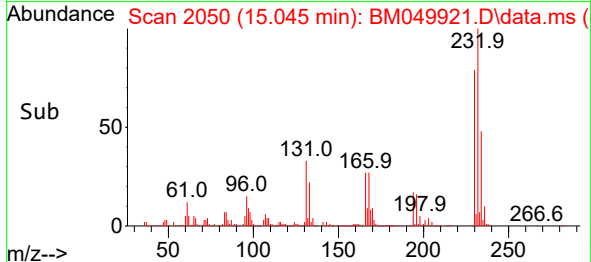
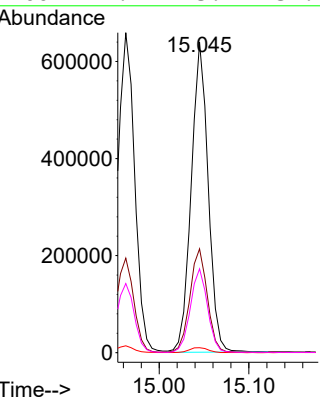
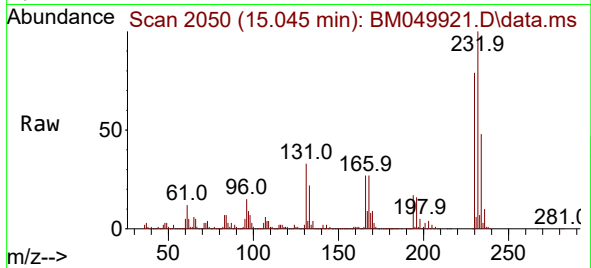
Ion Ratio Lower Upper

232 100

131 34.5 28.4 42.6

130 1.8 1.6 2.4

166 27.4 23.1 34.7



#60

Diethylphthalate

Concen: 38.698 ng

RT: 15.239 min Scan# 2083

Delta R.T. -0.006 min

Lab File: BM049921.D

Acq: 14 Apr 2025 19:46

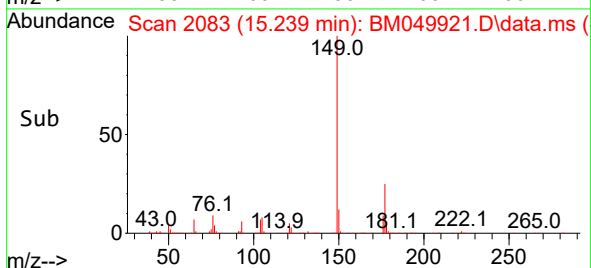
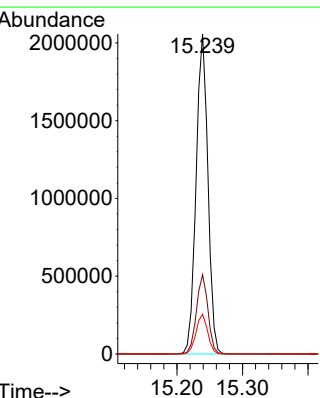
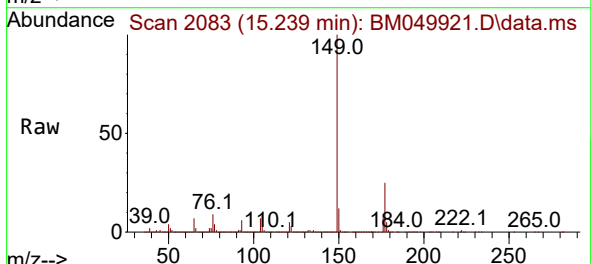
Tgt Ion:149 Resp: 2581511

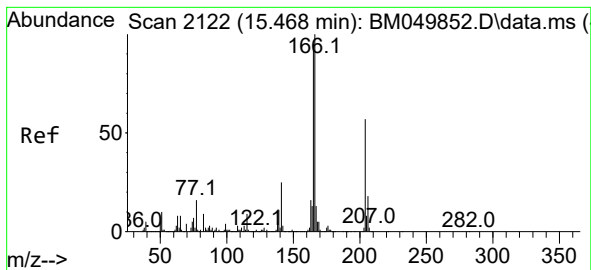
Ion Ratio Lower Upper

149 100

177 24.8 19.0 28.4

150 12.4 9.7 14.5

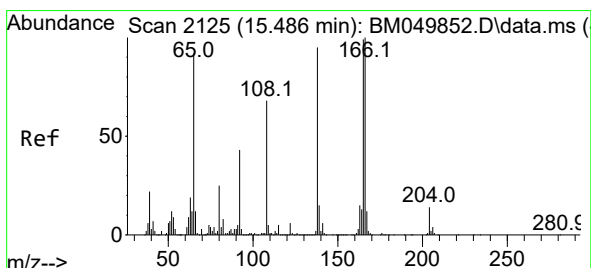
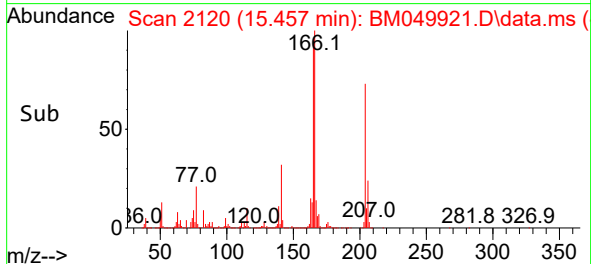
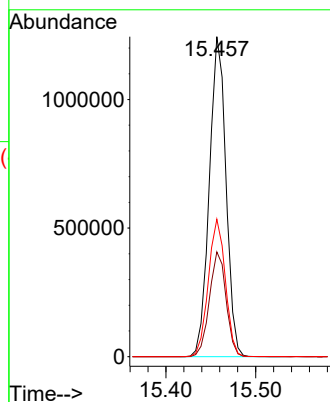
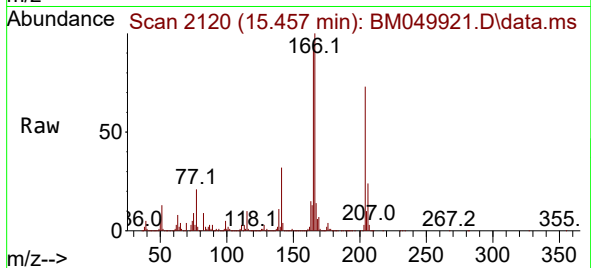




#61
4-Chlorophenyl-phenylether
Concen: 42.148 ng
RT: 15.457 min Scan# 2120
Delta R.T. -0.012 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

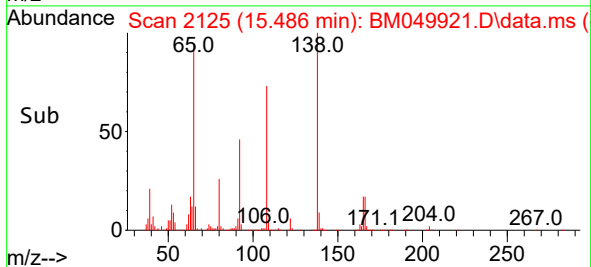
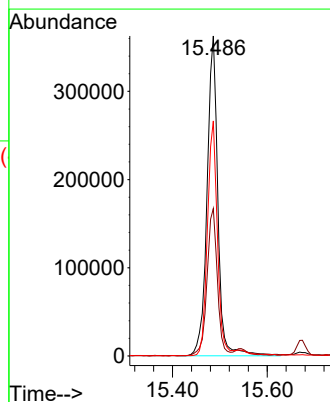
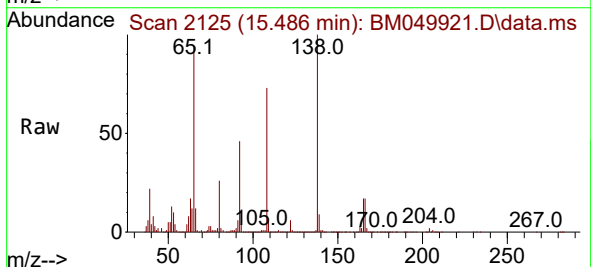
Instrument :
BNA_M
ClientSampleId :
TP-23MSD

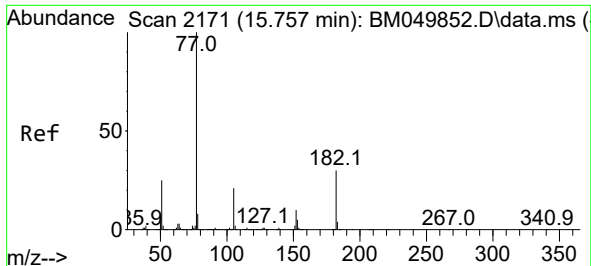
Tgt Ion:204 Resp: 1602802
Ion Ratio Lower Upper
204 100
206 32.8 26.2 39.2
141 43.0 35.0 52.6



#62
4-Nitroaniline
Concen: 39.661 ng
RT: 15.486 min Scan# 2125
Delta R.T. 0.000 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

Tgt Ion:138 Resp: 577734
Ion Ratio Lower Upper
138 100
92 46.1 24.9 64.9
108 73.4 51.7 91.7

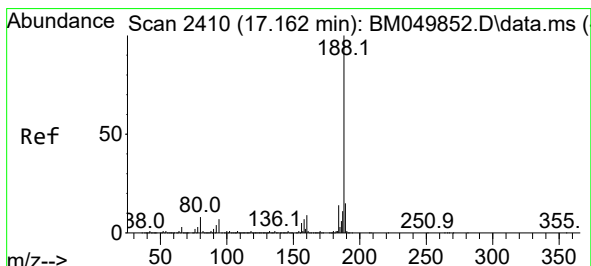
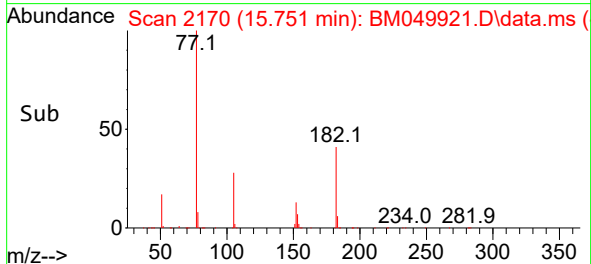
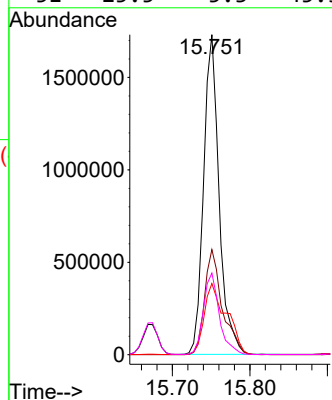
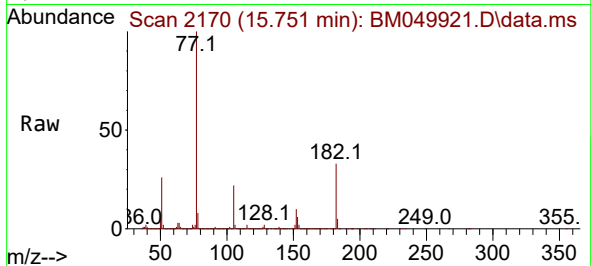




#63
Azobenzene
Concen: 42.127 ng
RT: 15.751 min Scan# 2171
Delta R.T. -0.006 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

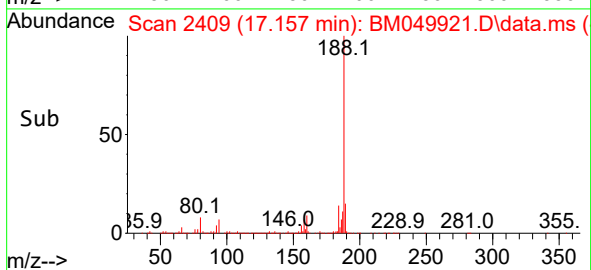
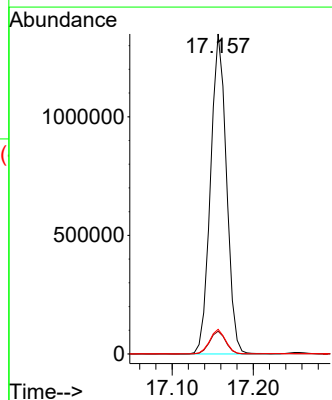
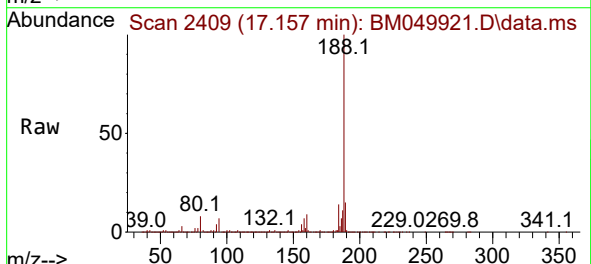
Instrument :
BNA_M
ClientSampleId :
TP-23MSD

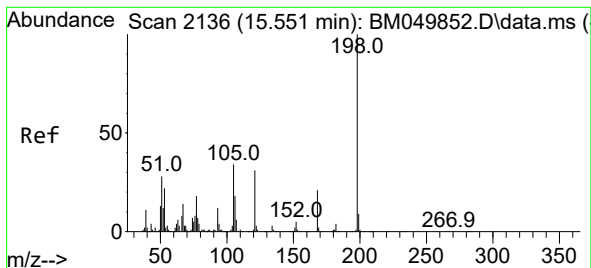
Tgt Ion: 77 Resp: 2405985
Ion Ratio Lower Upper
77 100
182 32.8 10.4 50.4
105 22.2 1.5 41.5
51 25.5 5.3 45.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2409
Delta R.T. -0.006 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

Tgt Ion:188 Resp: 1837731
Ion Ratio Lower Upper
188 100
94 7.1 5.8 8.6
80 7.7 6.4 9.6

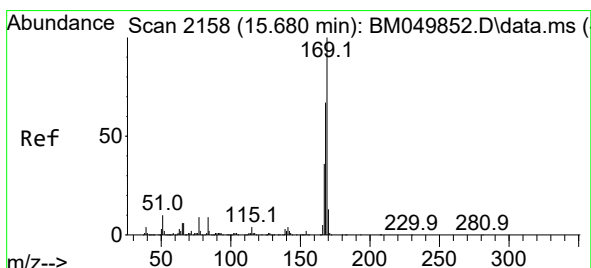
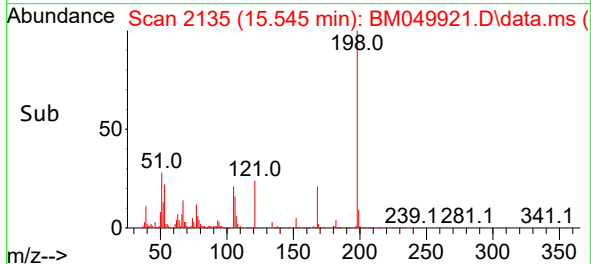
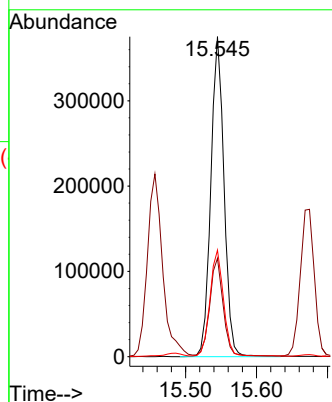
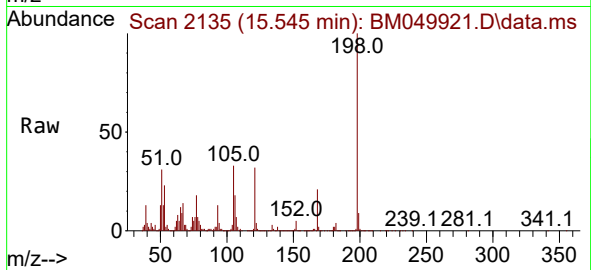




#65
4,6-Dinitro-2-methylphenol
Concen: 41.910 ng
RT: 15.545 min Scan# 2135
Delta R.T. -0.006 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

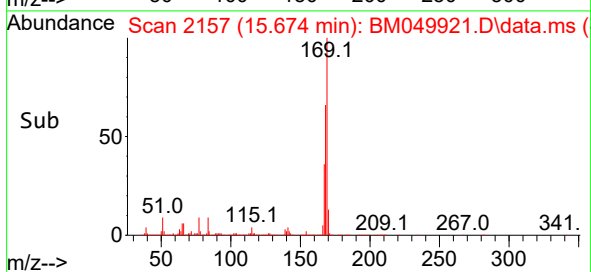
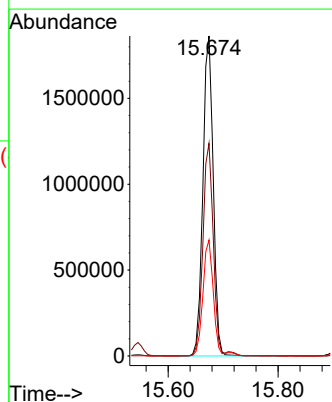
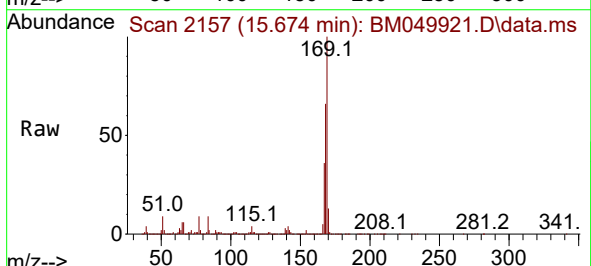
Instrument :
BNA_M
ClientSampleId :
TP-23MSD

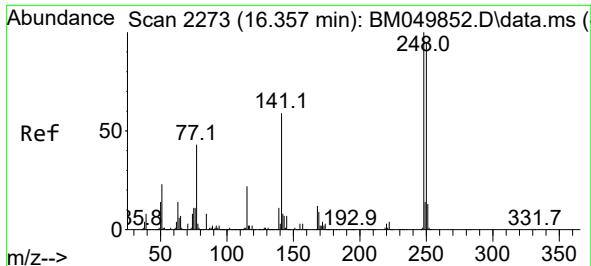
Tgt Ion:198 Resp: 485343
Ion Ratio Lower Upper
198 100
51 30.8 9.6 49.6
105 33.3 14.7 54.7



#66
n-Nitrosodiphenylamine
Concen: 44.111 ng
RT: 15.674 min Scan# 2157
Delta R.T. -0.006 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

Tgt Ion:169 Resp: 2425926
Ion Ratio Lower Upper
169 100
168 66.4 53.4 80.2
167 36.2 29.0 43.6

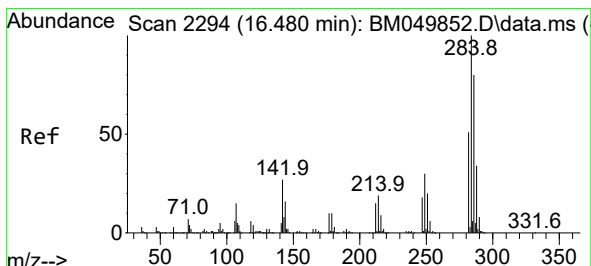
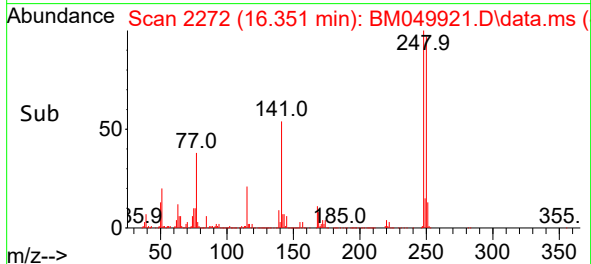
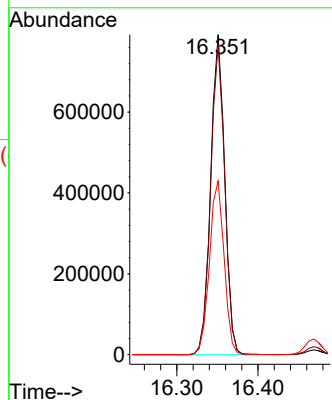
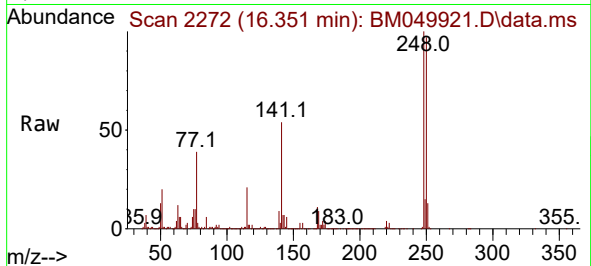




#67
4-Bromophenyl-phenylether
Concen: 44.627 ng
RT: 16.351 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

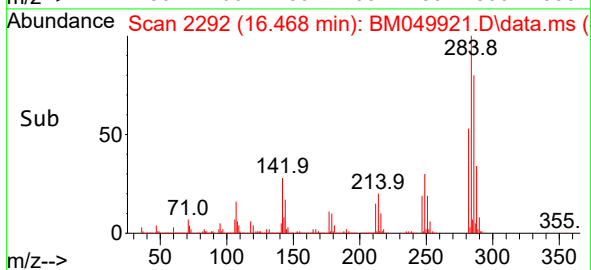
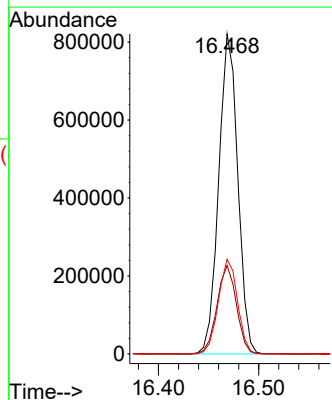
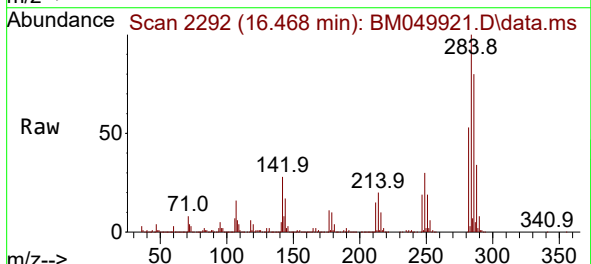
Instrument :
BNA_M
ClientSampleId :
TP-23MSD

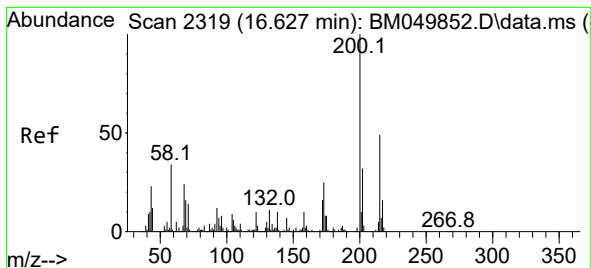
Tgt Ion:248 Resp: 952056
Ion Ratio Lower Upper
248 100
250 96.8 76.2 114.2
141 54.2 47.3 70.9



#68
Hexachlorobenzene
Concen: 44.246 ng
RT: 16.468 min Scan# 2292
Delta R.T. -0.012 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

Tgt Ion:284 Resp: 1082729
Ion Ratio Lower Upper
284 100
142 27.6 21.2 31.8
249 29.6 24.1 36.1





#69

Atrazine

Concen: 57.442 ng

RT: 16.627 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM049921.D

Acq: 14 Apr 2025 19:46

Instrument :

BNA_M

ClientSampleId :

TP-23MSD

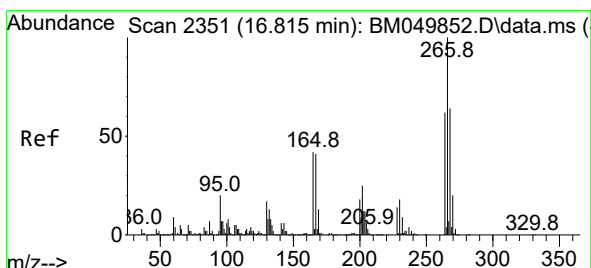
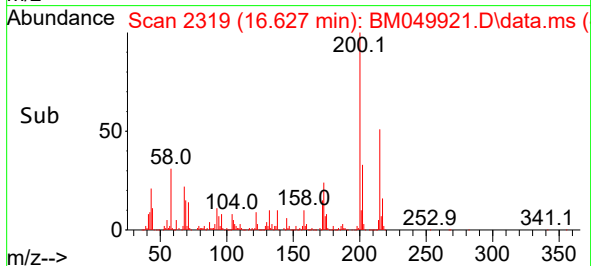
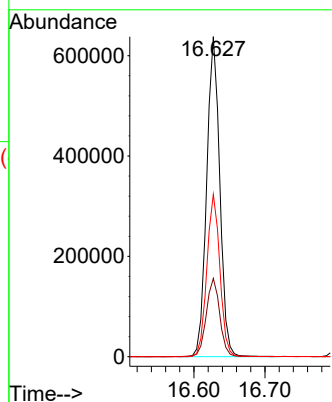
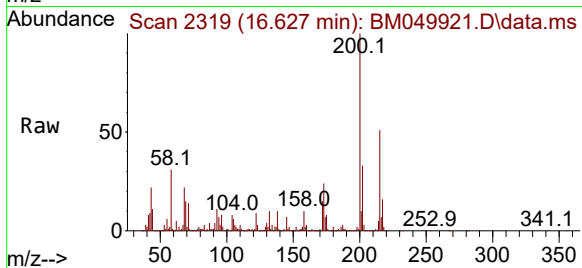
Tgt Ion:200 Resp: 819100

Ion Ratio Lower Upper

200 100

173 24.4 5.4 45.4

215 50.7 29.0 69.0



#70

Pentachlorophenol

Concen: 82.928 ng

RT: 16.815 min Scan# 2351

Delta R.T. 0.000 min

Lab File: BM049921.D

Acq: 14 Apr 2025 19:46

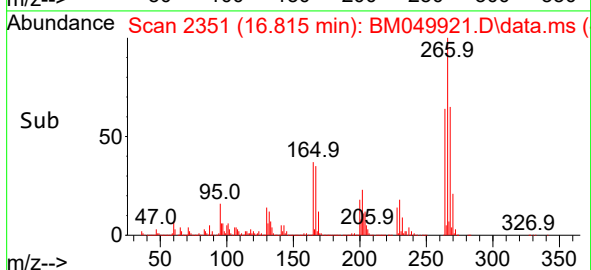
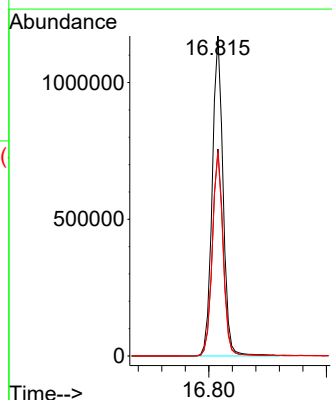
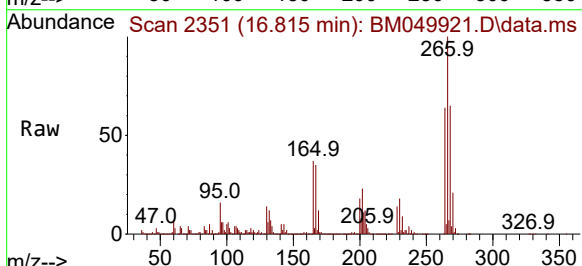
Tgt Ion:266 Resp: 1493995

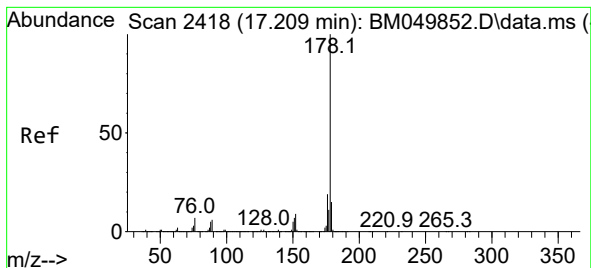
Ion Ratio Lower Upper

266 100

268 64.7 51.4 77.2

264 63.6 49.8 74.8





#71

Phenanthrene

Concen: 42.796 ng

RT: 17.198 min Scan# 2418

Delta R.T. -0.012 min

Lab File: BM049921.D

Acq: 14 Apr 2025 19:46

Instrument :

BNA_M

ClientSampleId :

TP-23MSD

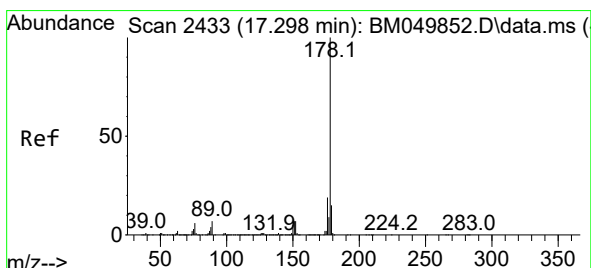
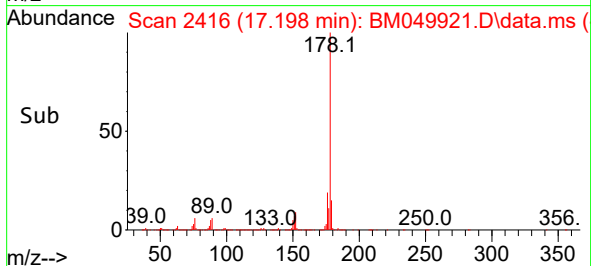
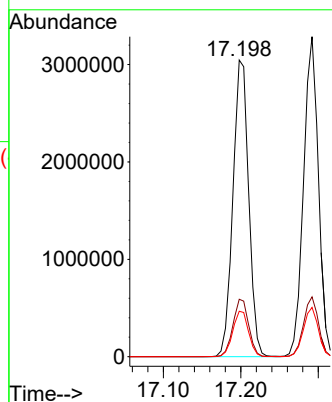
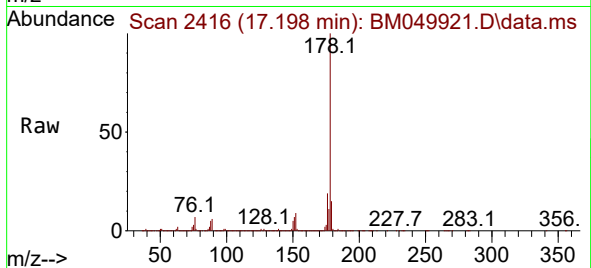
Tgt Ion:178 Resp: 4311791

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

179 15.3 12.3 18.5



#72

Anthracene

Concen: 44.233 ng

RT: 17.292 min Scan# 2432

Delta R.T. -0.006 min

Lab File: BM049921.D

Acq: 14 Apr 2025 19:46

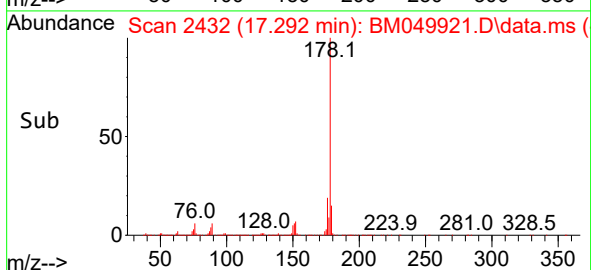
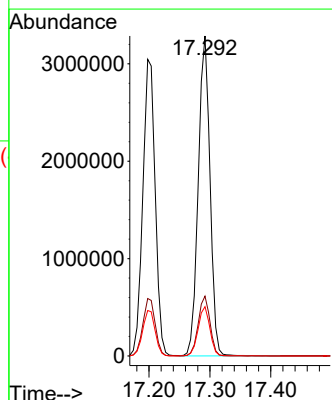
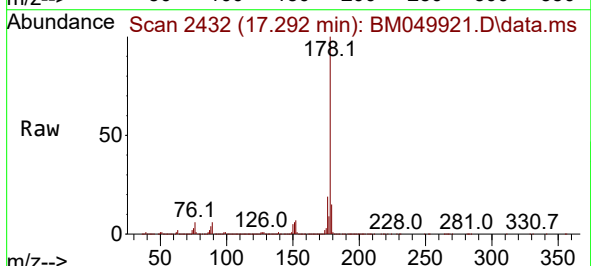
Tgt Ion:178 Resp: 4391817

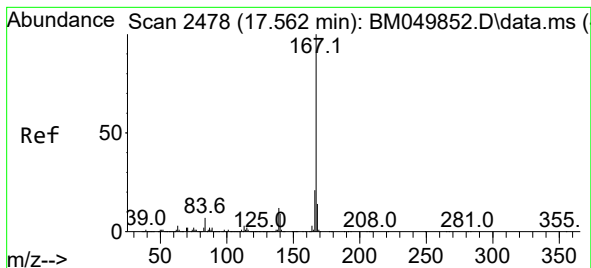
Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

179 15.4 12.4 18.6





#73

Carbazole

Concen: 41.059 ng

RT: 17.563 min Scan# 2478

Delta R.T. 0.000 min

Lab File: BM049921.D

Acq: 14 Apr 2025 19:46

Instrument :

BNA_M

ClientSampleId :

TP-23MSD

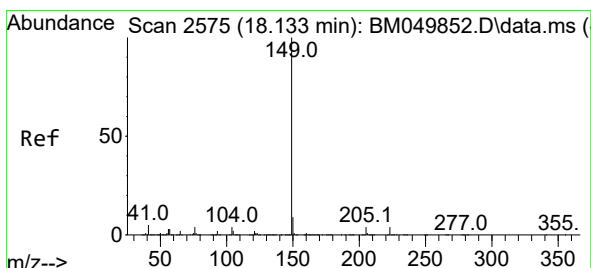
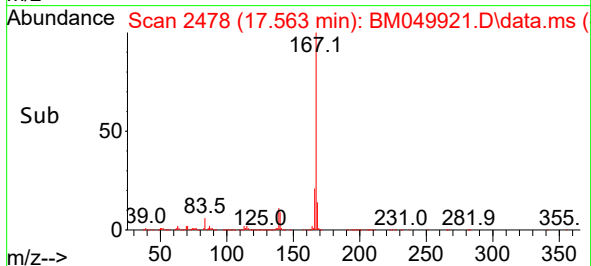
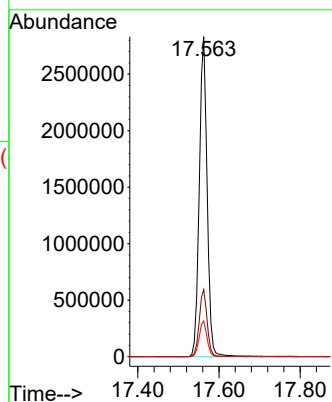
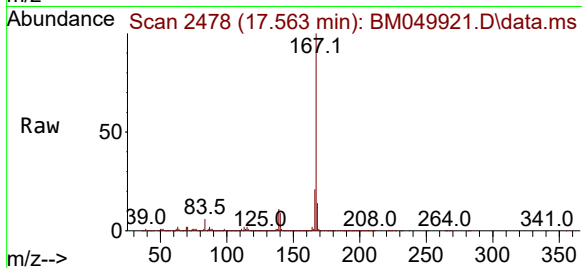
Tgt Ion:167 Resp: 3839750

Ion Ratio Lower Upper

167 100

166 20.9 16.9 25.3

139 11.1 9.3 13.9



#74

Di-n-butylphthalate

Concen: 40.488 ng

RT: 18.127 min Scan# 2574

Delta R.T. -0.006 min

Lab File: BM049921.D

Acq: 14 Apr 2025 19:46

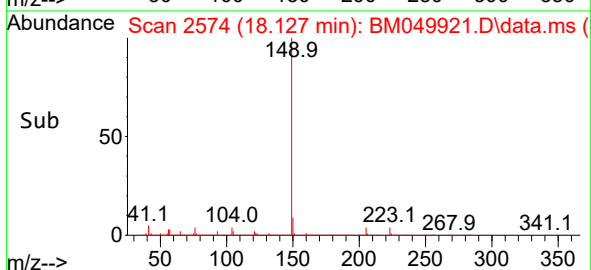
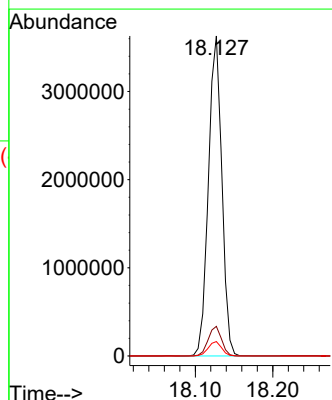
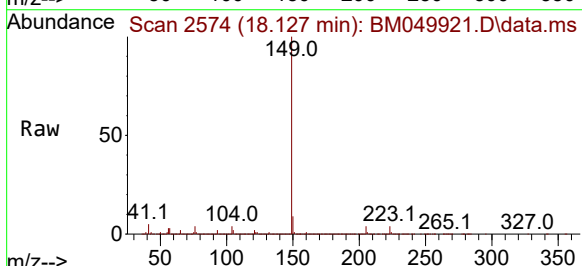
Tgt Ion:149 Resp: 4361160

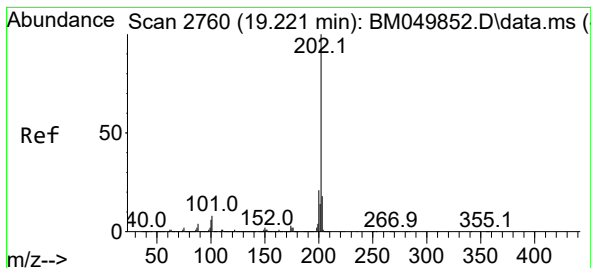
Ion Ratio Lower Upper

149 100

150 9.2 7.5 11.3

104 4.5 3.5 5.3





#75

Fluoranthene

Concen: 39.681 ng

RT: 19.215 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM049921.D

Acq: 14 Apr 2025 19:46

Instrument :

BNA_M

ClientSampleId :

TP-23MSD

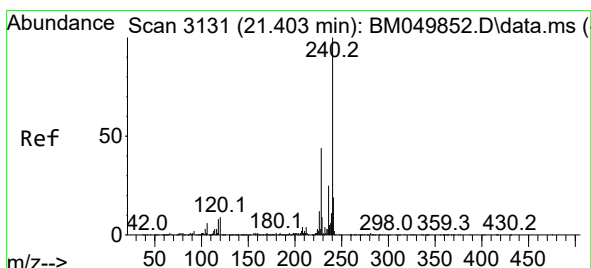
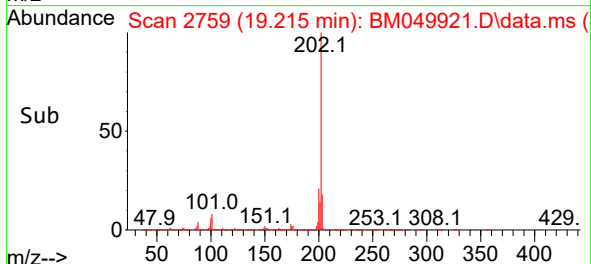
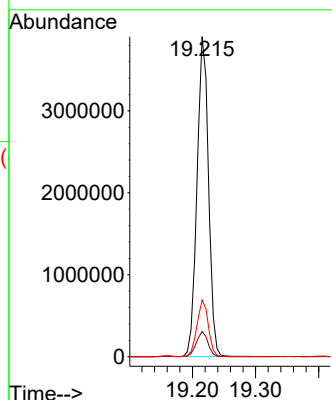
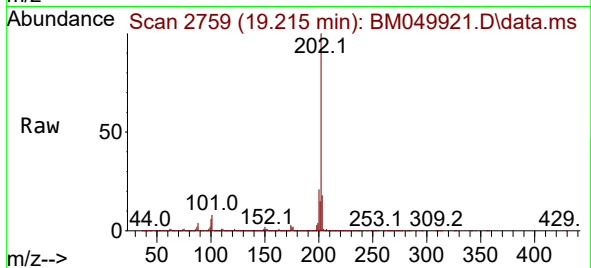
Tgt Ion:202 Resp: 4915651

Ion Ratio Lower Upper

202 100

101 7.8 0.0 28.4

203 17.7 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.398 min Scan# 3130

Delta R.T. -0.006 min

Lab File: BM049921.D

Acq: 14 Apr 2025 19:46

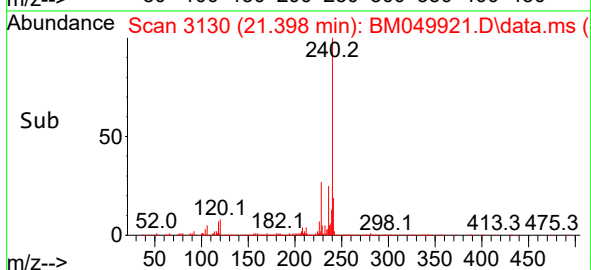
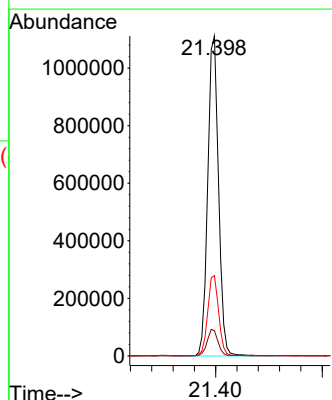
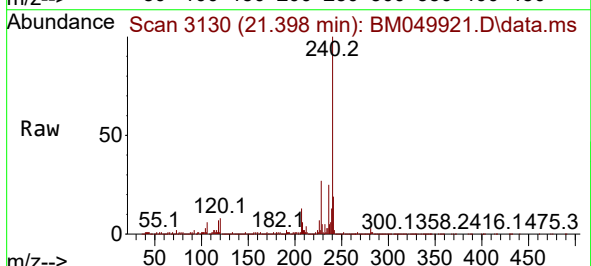
Tgt Ion:240 Resp: 1556320

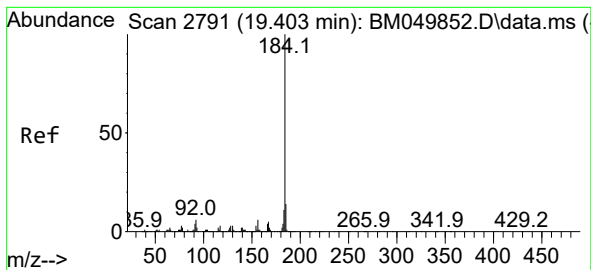
Ion Ratio Lower Upper

240 100

120 7.9 6.9 10.3

236 25.1 20.4 30.6





#77

Benzidine

Concen: 88.079 ng

RT: 19.404 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM049921.D

Acq: 14 Apr 2025 19:46

Instrument :

BNA_M

ClientSampleId :

TP-23MSD

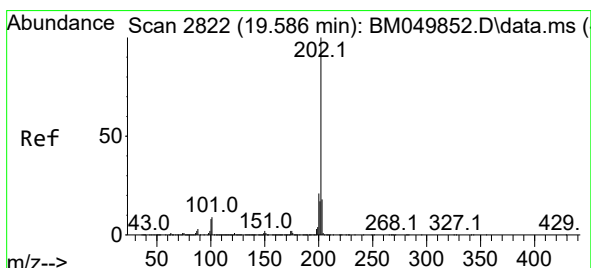
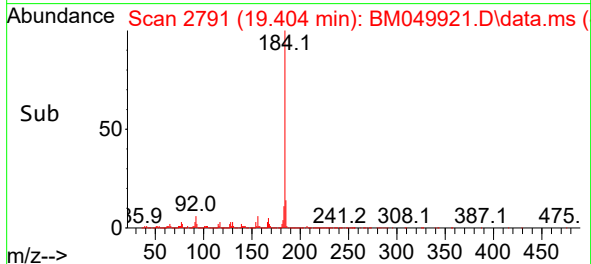
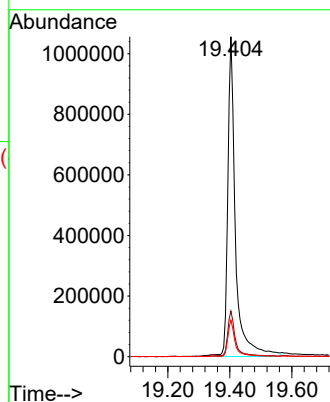
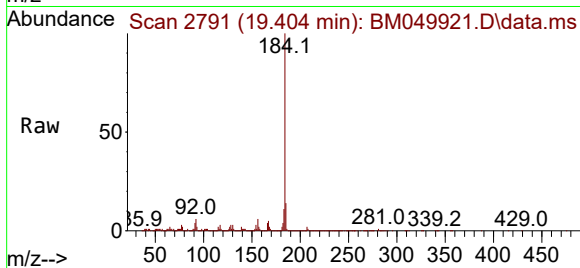
Tgt Ion:184 Resp: 1818558

Ion Ratio Lower Upper

184 100

185 14.2 11.4 17.2

183 11.4 8.8 13.2



#78

Pyrene

Concen: 46.502 ng

RT: 19.580 min Scan# 2821

Delta R.T. -0.006 min

Lab File: BM049921.D

Acq: 14 Apr 2025 19:46

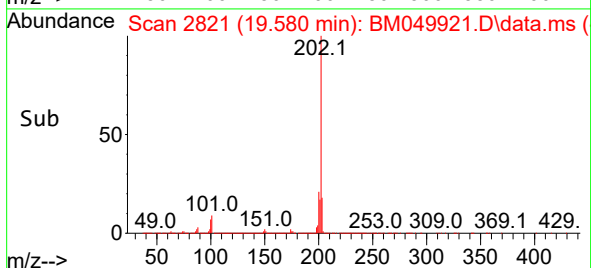
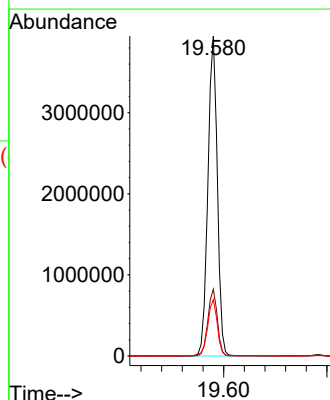
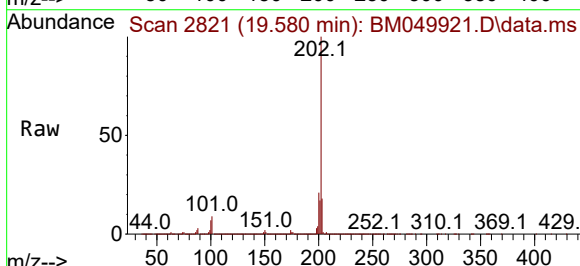
Tgt Ion:202 Resp: 4987745

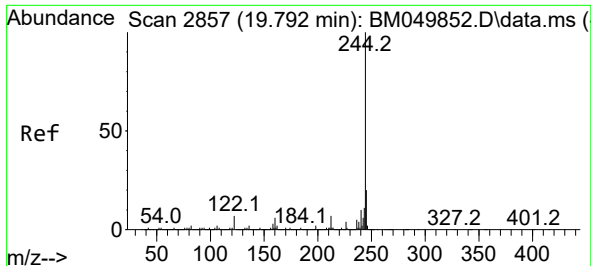
Ion Ratio Lower Upper

202 100

200 20.8 16.5 24.7

203 17.6 14.0 21.0

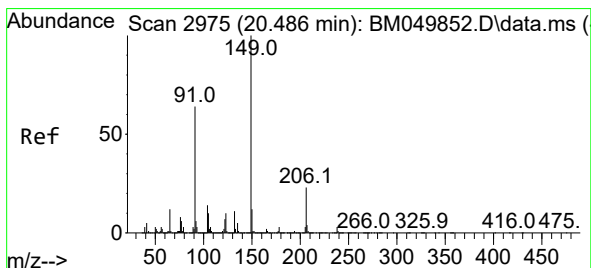
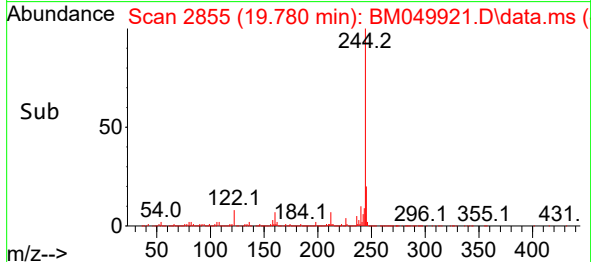
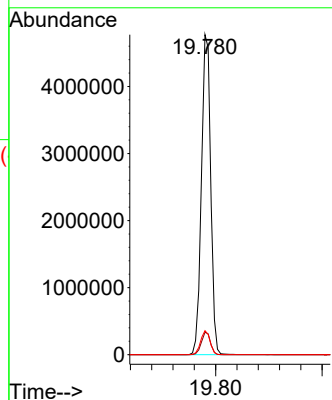
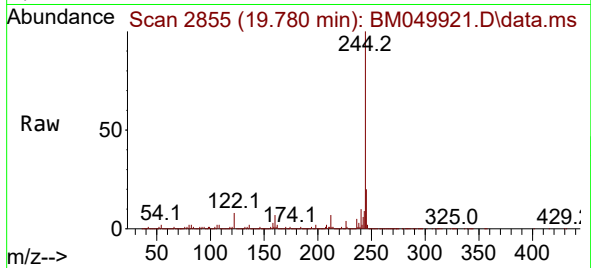




#79
 Terphenyl-d14
 Concen: 69.257 ng
 RT: 19.780 min Scan# 2857
 Delta R.T. -0.012 min
 Lab File: BM049921.D
 Acq: 14 Apr 2025 19:46

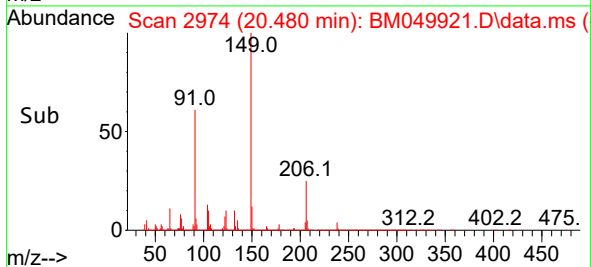
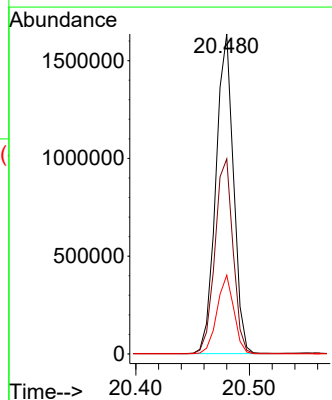
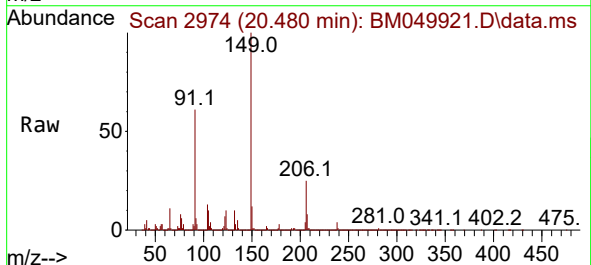
Instrument :
 BNA_M
 ClientSampleId :
 TP-23MSD

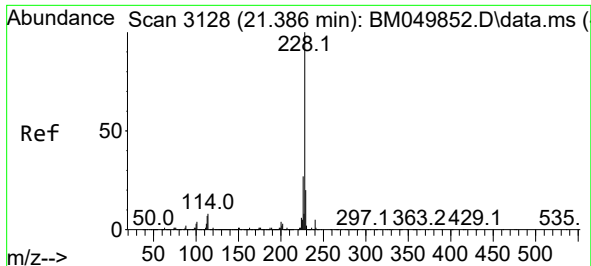
Tgt Ion:244 Resp: 5751474
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.5 8.3
 122 7.5 5.4 8.0



#80
 Butylbenzylphthalate
 Concen: 43.756 ng
 RT: 20.480 min Scan# 2974
 Delta R.T. -0.006 min
 Lab File: BM049921.D
 Acq: 14 Apr 2025 19:46

Tgt Ion:149 Resp: 1763485
 Ion Ratio Lower Upper
 149 100
 91 60.9 50.9 76.3
 206 24.6 18.4 27.6

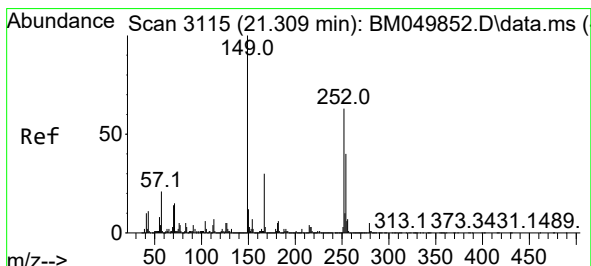
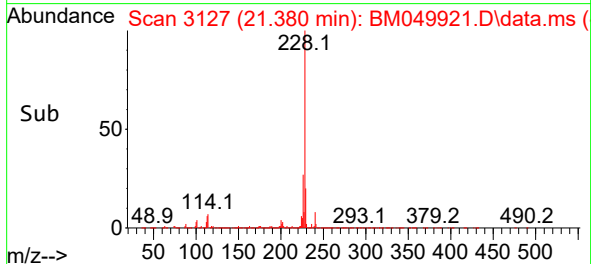
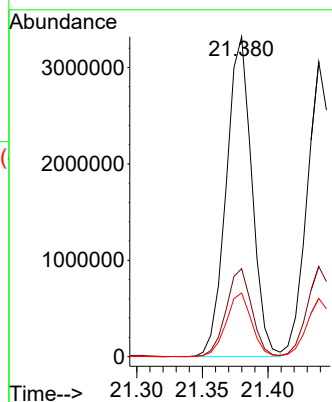
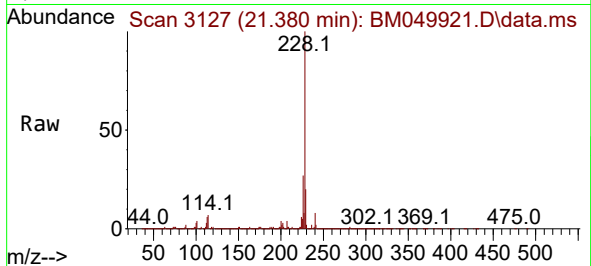




#81
Benzo(a)anthracene
Concen: 43.624 ng
RT: 21.380 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

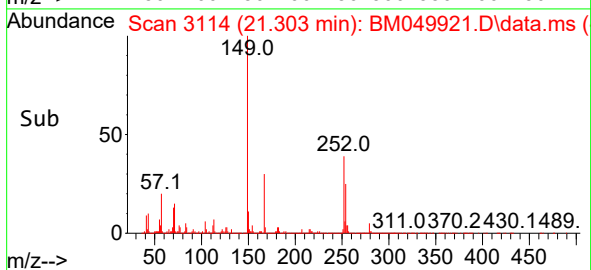
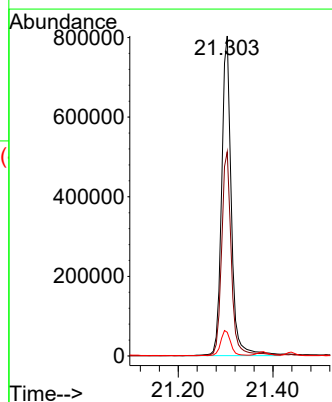
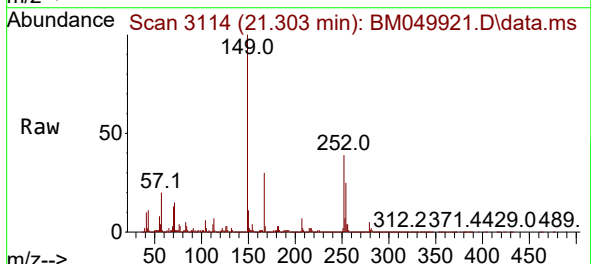
Instrument :
BNA_M
ClientSampleId :
TP-23MSD

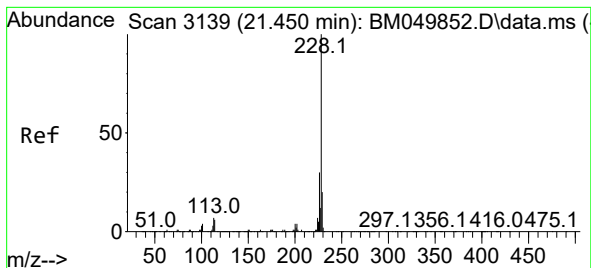
Tgt Ion:228 Resp: 4512094
Ion Ratio Lower Upper
228 100
226 27.5 21.8 32.8
229 19.9 15.8 23.8



#82
3,3'-Dichlorobenzidine
Concen: 29.107 ng
RT: 21.303 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM049921.D
Acq: 14 Apr 2025 19:46

Tgt Ion:252 Resp: 1136919
Ion Ratio Lower Upper
252 100
254 63.8 51.5 77.3
126 7.4 6.3 9.5





#83

Chrysene

Concen: 41.737 ng

RT: 21.439 min Scan# 3114

Delta R.T. -0.012 min

Lab File: BM049921.D

Acq: 14 Apr 2025 19:46

Instrument :

BNA_M

ClientSampleId :

TP-23MSD

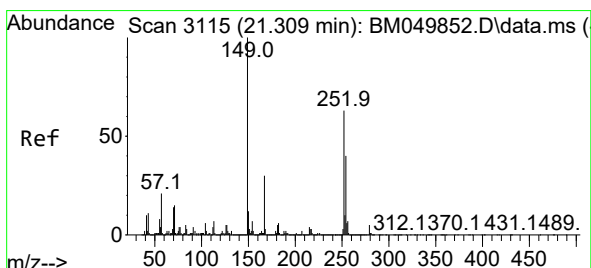
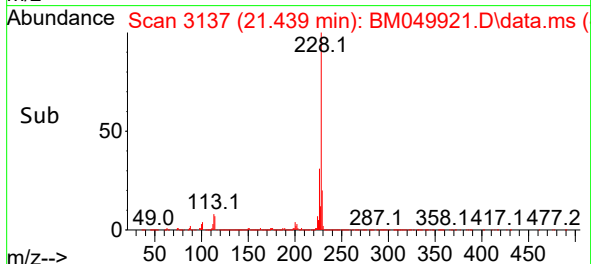
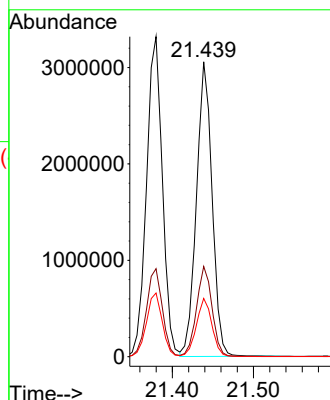
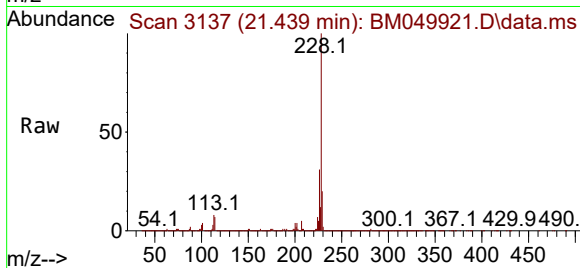
Tgt Ion:228 Resp: 4104161

Ion Ratio Lower Upper

228 100

226 30.6 24.1 36.1

229 19.7 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.610 ng

RT: 21.303 min Scan# 3114

Delta R.T. -0.006 min

Lab File: BM049921.D

Acq: 14 Apr 2025 19:46

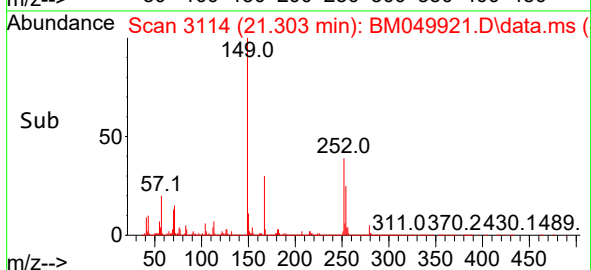
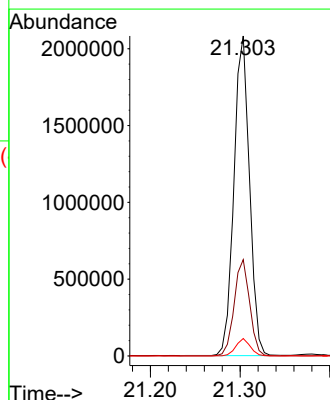
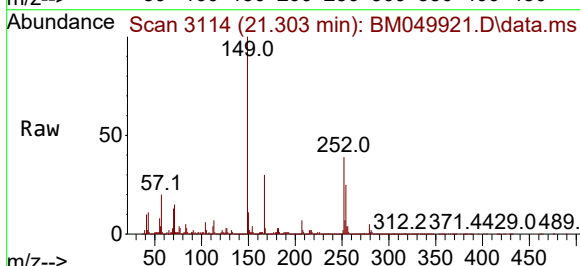
Tgt Ion:149 Resp: 2502041

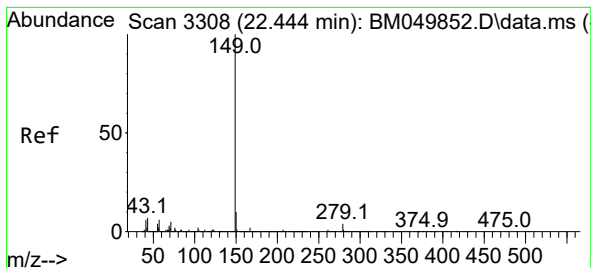
Ion Ratio Lower Upper

149 100

167 30.1 23.8 35.6

279 5.5 3.8 5.8





#85

Di-n-octyl phthalate

Concen: 40.192 ng

RT: 22.433 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM049921.D

Acq: 14 Apr 2025 19:46

Instrument :

BNA_M

ClientSampleId :

TP-23MSD

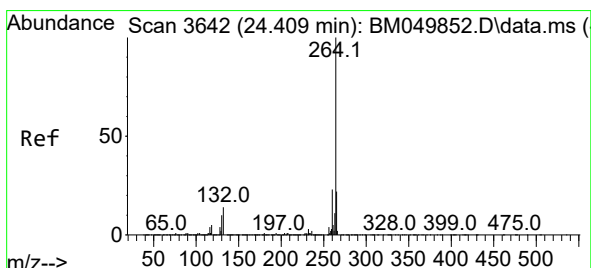
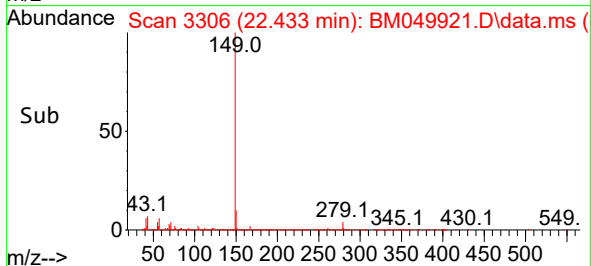
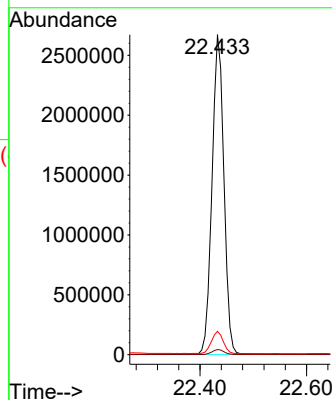
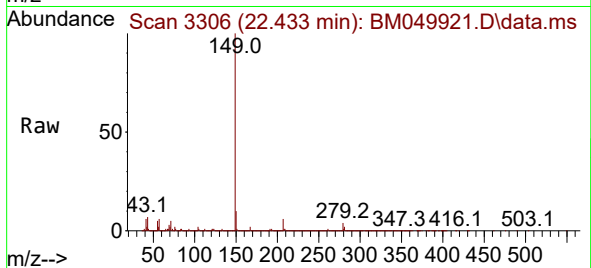
Tgt Ion:149 Resp: 4128797

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 7.1 5.8 8.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.391 min Scan# 3639

Delta R.T. -0.018 min

Lab File: BM049921.D

Acq: 14 Apr 2025 19:46

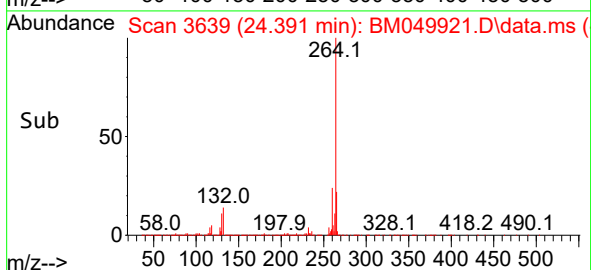
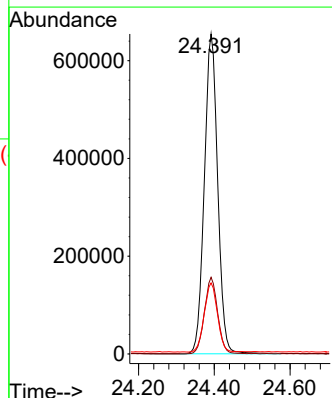
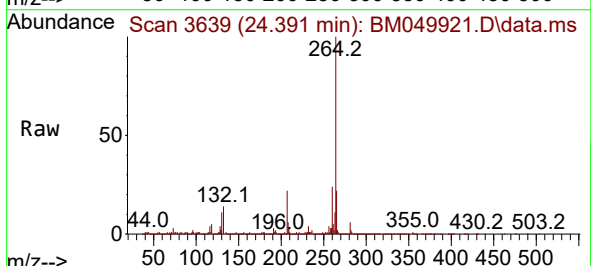
Tgt Ion:264 Resp: 1594804

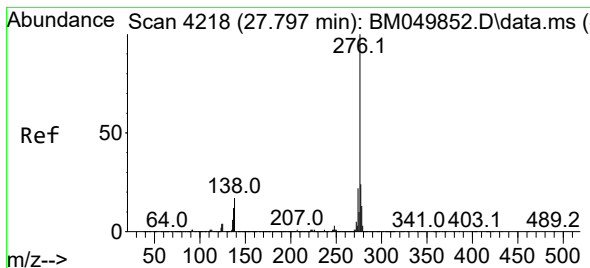
Ion Ratio Lower Upper

264 100

260 24.0 18.6 28.0

265 22.2 17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 45.641 ng

RT: 27.779 min Scan# 41

Delta R.T. -0.018 min

Lab File: BM049921.D

Acq: 14 Apr 2025 19:46

Instrument :

BNA_M

ClientSampleId :

TP-23MSD

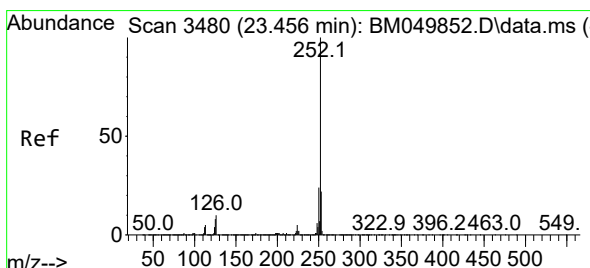
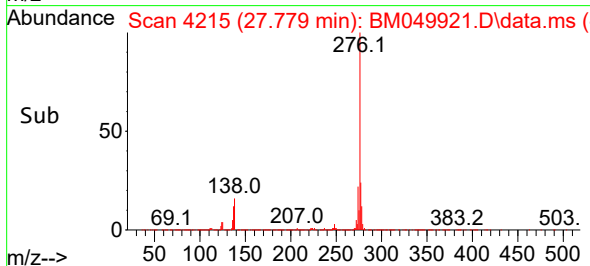
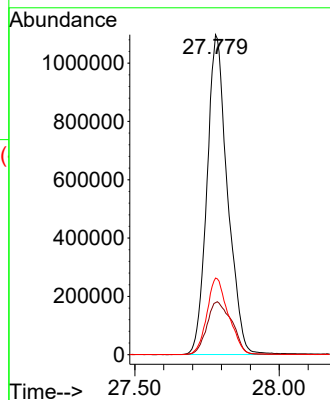
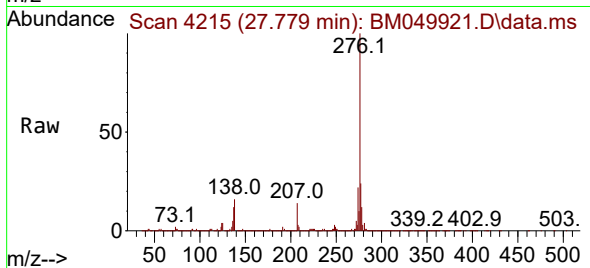
Tgt Ion:276 Resp: 5425742

Ion Ratio Lower Upper

276 100

138 20.1 16.8 25.2

277 25.0 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 42.478 ng

RT: 23.444 min Scan# 3478

Delta R.T. -0.012 min

Lab File: BM049921.D

Acq: 14 Apr 2025 19:46

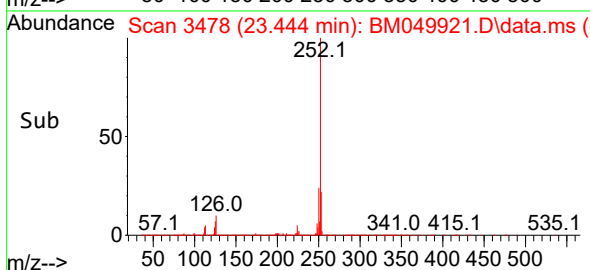
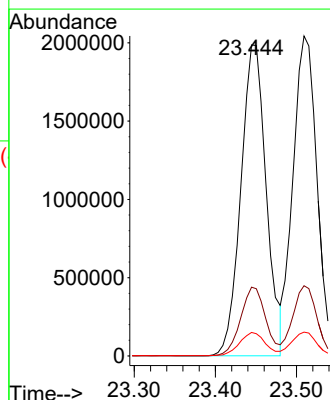
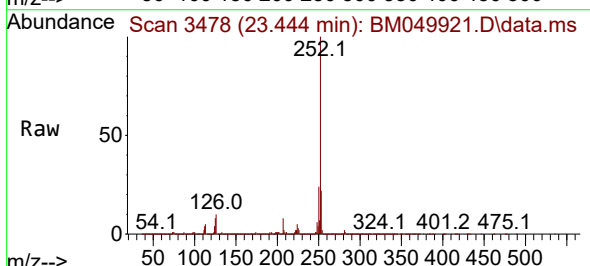
Tgt Ion:252 Resp: 4326578

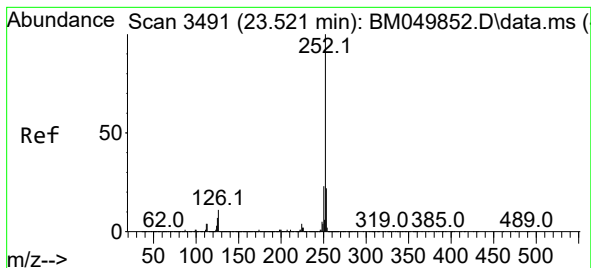
Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

125 7.6 6.2 9.4





#89

Benzo(k)fluoranthene

Concen: 42.496 ng

RT: 23.509 min Scan# 34

Delta R.T. -0.012 min

Lab File: BM049921.D

Acq: 14 Apr 2025 19:46

Instrument :

BNA_M

ClientSampleId :

TP-23MSD

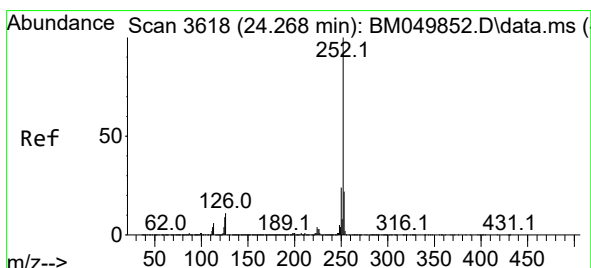
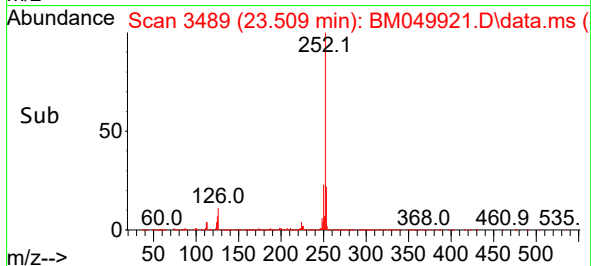
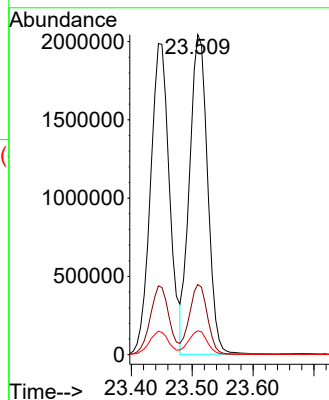
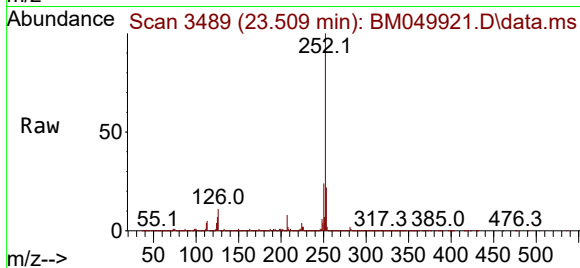
Tgt Ion:252 Resp: 4194491

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

125 7.5 5.8 8.8



#90

Benzo(a)pyrene

Concen: 46.258 ng

RT: 24.250 min Scan# 3615

Delta R.T. -0.018 min

Lab File: BM049921.D

Acq: 14 Apr 2025 19:46

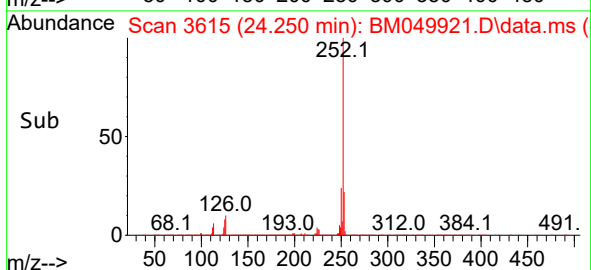
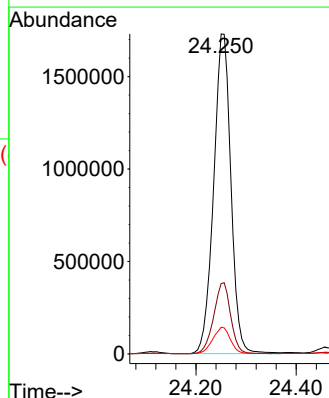
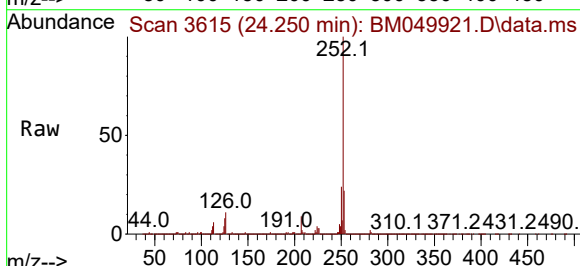
Tgt Ion:252 Resp: 4140185

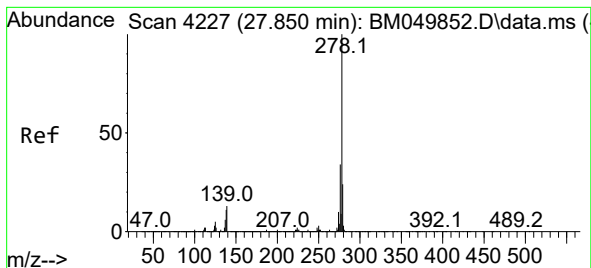
Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.8

125 8.3 7.0 10.4





#91

Dibenzo(a,h)anthracene

Concen: 45.007 ng

RT: 27.832 min Scan# 41

Delta R.T. -0.018 min

Lab File: BM049921.D

Acq: 14 Apr 2025 19:46

Instrument :

BNA_M

ClientSampleId :

TP-23MSD

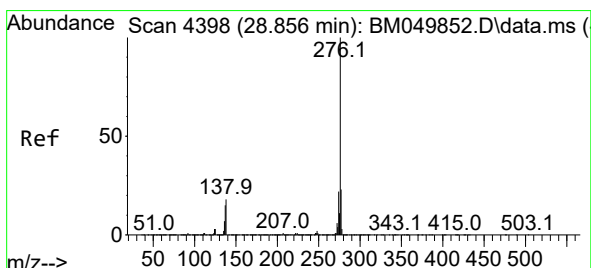
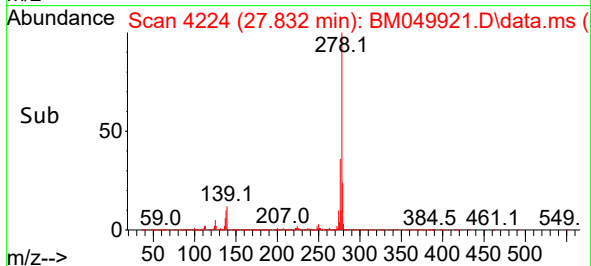
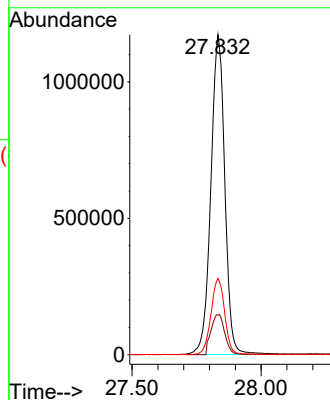
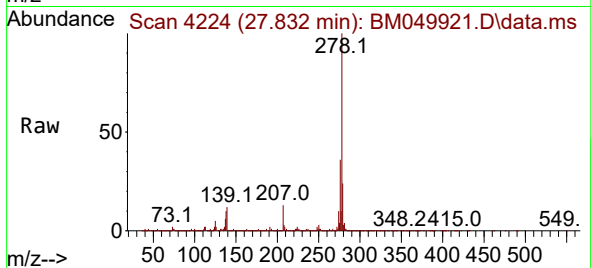
Tgt Ion:278 Resp: 4407041

Ion Ratio Lower Upper

278 100

139 12.4 10.6 15.8

279 23.8 19.1 28.7



#92

Benzo(g,h,i)perylene

Concen: 43.440 ng

RT: 28.838 min Scan# 4395

Delta R.T. -0.018 min

Lab File: BM049921.D

Acq: 14 Apr 2025 19:46

Tgt Ion:276 Resp: 4346566

Ion Ratio Lower Upper

276 100

277 23.7 18.7 28.1

138 17.1 14.6 21.8

