

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
 Data File : BP024639.D
 Acq On : 15 May 2025 15:59
 Operator : RC/JU
 Sample : Q2010-02MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-13MSD

Quant Time: May 15 16:30:47 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 13 16:21:39 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.657	152	159501	20.000	ng	0.00
21) Naphthalene-d8	10.428	136	628820	20.000	ng	0.00
39) Acenaphthene-d10	14.298	164	375530	20.000	ng	0.00
64) Phenanthrene-d10	17.104	188	726778	20.000	ng	0.00
76) Chrysene-d12	21.527	240	785534	20.000	ng	0.00
86) Perylene-d12	24.798	264	909133	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	842673	90.362	ng	0.00
7) Phenol-d6	6.852	99	1048617	88.105	ng	0.00
23) Nitrobenzene-d5	8.810	82	651986	52.388	ng	0.00
42) 2,4,6-Tribromophenol	15.828	330	550955	86.542	ng	0.02
45) 2-Fluorobiphenyl	12.904	172	1458091	50.869	ng	0.00
79) Terphenyl-d14	19.821	244	2280930	49.789	ng	0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.228	88	165000	37.680	ng	99
3) Pyridine	3.616	79	403411	41.547	ng	98
4) n-Nitrosodimethylamine	3.534	42	186147	43.425	ng	97
6) Aniline	6.999	93	560425	36.471	ng	99
8) 2-Chlorophenol	7.240	128	504222	47.629	ng	99
9) Benzaldehyde	6.816	77	308327	40.019	ng	99
10) Phenol	6.881	94	590851	48.098	ng	98
11) bis(2-Chloroethyl)ether	7.093	93	429994	42.599	ng	99
12) 1,3-Dichlorobenzene	7.552	146	535369	43.956	ng	99
13) 1,4-Dichlorobenzene	7.693	146	543293	44.350	ng	99
14) 1,2-Dichlorobenzene	8.004	146	521355	43.677	ng	99
15) Benzyl Alcohol	7.904	79	417550	46.166	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.181	45	507595	41.990	ng	98
17) 2-Methylphenol	8.110	107	400289	45.432	ng	99
18) Hexachloroethane	8.722	117	205990	43.881	ng	96
19) n-Nitroso-di-n-propyla...	8.457	70	334353	40.611	ng	99
20) 3+4-Methylphenols	8.434	107	542791	45.290	ng	97
22) Acetophenone	8.475	105	708122	45.082	ng	98
24) Nitrobenzene	8.851	77	500401	45.690	ng	97
25) Isophorone	9.375	82	946143	43.827	ng	100
26) 2-Nitrophenol	9.551	139	268593	50.048	ng	98
27) 2,4-Dimethylphenol	9.622	122	454005	47.982	ng	100
28) bis(2-Chloroethoxy)met...	9.846	93	576552	44.702	ng	99
29) 2,4-Dichlorophenol	10.087	162	451816	49.275	ng	97
30) 1,2,4-Trichlorobenzene	10.293	180	477127	46.177	ng	97
31) Naphthalene	10.475	128	1467759	45.043	ng	100
32) Benzoic acid	9.787	122	322696	48.835	ng	99
33) 4-Chloroaniline	10.598	127	377895	28.739	ng	99
34) Hexachlorobutadiene	10.757	225	305965	45.710	ng	96
35) Caprolactam	11.381	113	152861m	46.078	ng	
36) 4-Chloro-3-methylphenol	11.734	107	518151	46.339	ng	100
37) 2-Methylnaphthalene	12.092	142	937935	44.452	ng	99
38) 1-Methylnaphthalene	12.316	142	959403	42.496	ng	99
40) 1,2,4,5-Tetrachloroben...	12.469	216	526111	48.245	ng	99
41) Hexachlorocyclopentadiene	12.445	237	753385	113.935	ng	98
43) 2,4,6-Trichlorophenol	12.710	196	366355	51.868	ng	100

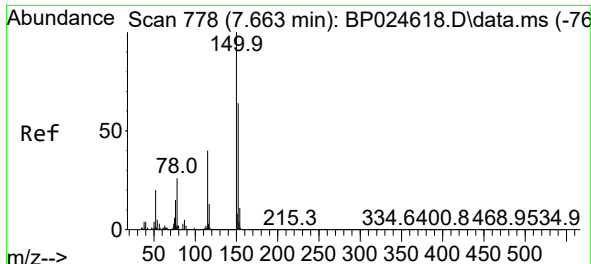
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.798	196	400383	50.924	ng	98
46) 1,1'-Biphenyl	13.122	154	1303750	46.972	ng	100
47) 2-Chloronaphthalene	13.163	162	996633	47.093	ng	100
48) 2-Nitroaniline	13.369	65	310532	49.562	ng	99
49) Acenaphthylene	14.016	152	1622651	45.817	ng	100
50) Dimethylphthalate	13.757	163	1292316	45.149	ng	100
51) 2,6-Dinitrotoluene	13.881	165	279686	46.267	ng	98
52) Acenaphthene	14.363	154	927052	45.533	ng	99
53) 3-Nitroaniline	14.216	138	207346	33.592	ng	97
54) 2,4-Dinitrophenol	14.428	184	370998	95.940	ng	98
55) Dibenzofuran	14.704	168	1468896	45.231	ng	98
56) 4-Nitrophenol	14.557	139	516252	95.730	ng	98
57) 2,4-Dinitrotoluene	14.675	165	401464	47.107	ng	99
58) Fluorene	15.363	166	1214988	45.883	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.945	232	353018	48.402	ng	99
60) Diethylphthalate	15.145	149	1325337	45.812	ng	100
61) 4-Chlorophenyl-phenyle...	15.363	204	601374	45.538	ng	99
62) 4-Nitroaniline	15.404	138	294125	49.350	ng	99
63) Azobenzene	15.669	77	1233658	49.848	ng	97
65) 4,6-Dinitro-2-methylph...	15.457	198	237337	50.556	ng	98
66) n-Nitrosodiphenylamine	15.592	169	1052029	47.126	ng	99
67) 4-Bromophenyl-phenylether	16.280	248	408770	47.731	ng	98
68) Hexachlorobenzene	16.398	284	508136	46.695	ng	99
69) Atrazine	16.569	200	389218	47.576	ng	98
70) Pentachlorophenol	16.757	266	671128	109.866	ng	99
71) Phenanthrene	17.151	178	1855042	45.914	ng	100
72) Anthracene	17.245	178	1890233	46.501	ng	100
73) Carbazole	17.522	167	1770616	48.125	ng	100
74) Di-n-butylphthalate	18.116	149	2304897	48.711	ng	99
75) Fluoranthene	19.233	202	2177024	46.096	ng	100
77) Benzidine	19.427	184	1216882	56.878	ng	99
78) Pyrene	19.610	202	2253283	47.874	ng	100
80) Butylbenzylphthalate	20.557	149	1060952	50.684	ng	96
81) Benzo(a)anthracene	21.510	228	2338691	47.414	ng	99
82) 3,3'-Dichlorobenzidine	21.439	252	622869	33.999	ng	100
83) Chrysene	21.574	228	2179347	46.609	ng	100
84) Bis(2-ethylhexyl)phtha...	21.445	149	1512698	49.165	ng	100
85) Di-n-octyl phthalate	22.704	149	2553144	50.745	ng	100
87) Indeno(1,2,3-cd)pyrene	28.521	276	3226858	48.618	ng	# 85
88) Benzo(b)fluoranthene	23.780	252	2476684	47.594	ng	100
89) Benzo(k)fluoranthene	23.845	252	2478499	46.222	ng	99
90) Benzo(a)pyrene	24.657	252	2397923	47.980	ng	99
91) Dibenzo(a,h)anthracene	28.586	278	2621583	48.552	ng	100
92) Benzo(g,h,i)perylene	29.680	276	2625102	48.888	ng	100

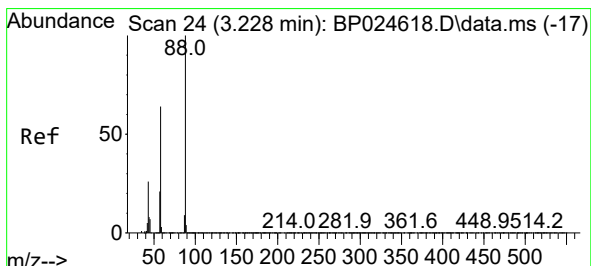
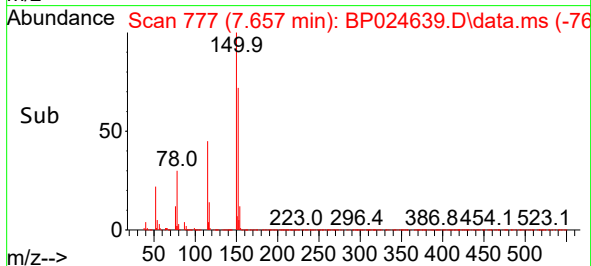
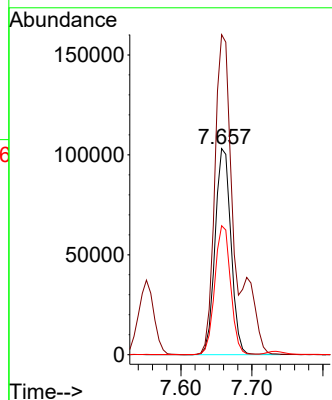
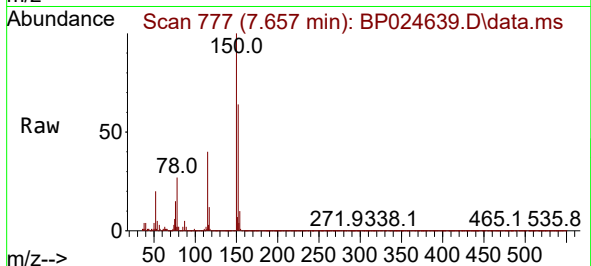
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.657 min Scan# 71
Delta R.T. -0.006 min
Lab File: BP024639.D
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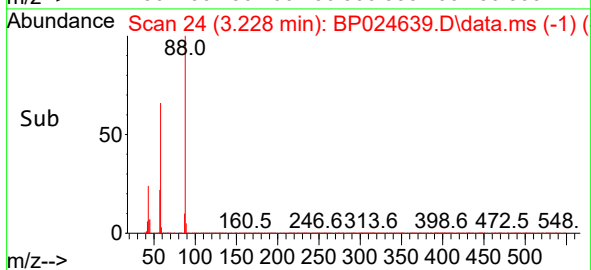
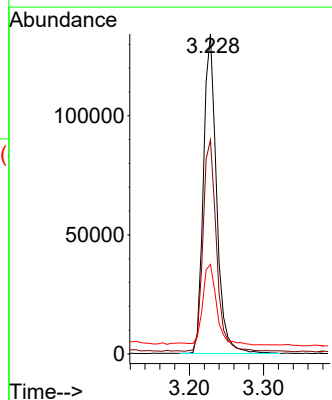
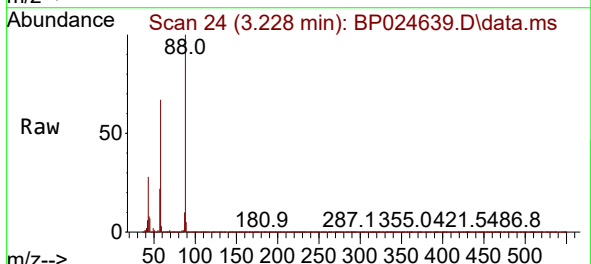
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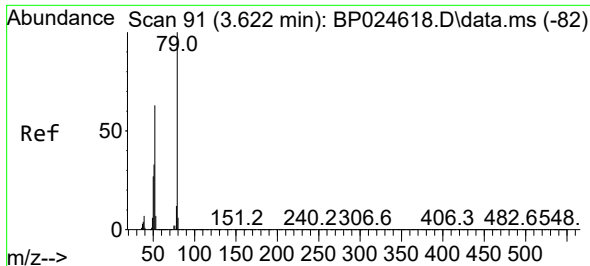
Tgt Ion:152 Resp: 159501
Ion Ratio Lower Upper
152 100
150 155.2 125.9 188.9
115 62.6 50.1 75.1



#2
1,4-Dioxane
Concen: 37.680 ng
RT: 3.228 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

Tgt Ion: 88 Resp: 165000
Ion Ratio Lower Upper
88 100
58 68.7 54.0 81.0
43 27.0 21.4 32.0

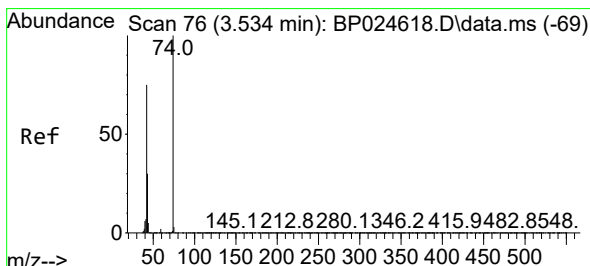
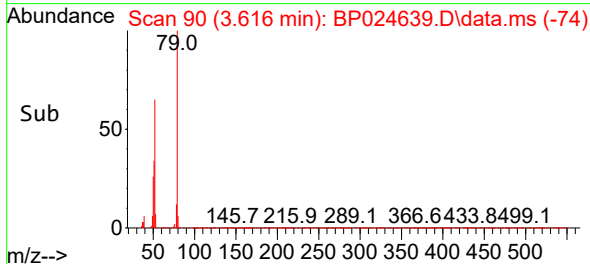
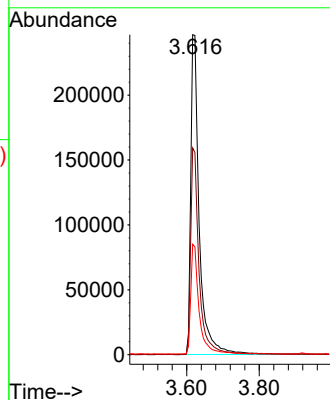
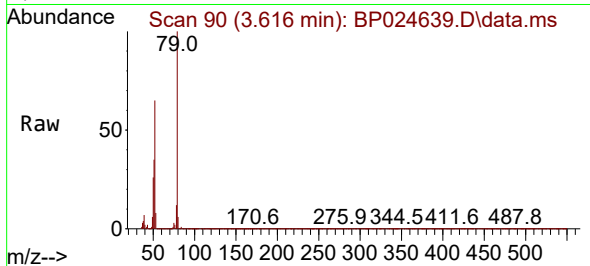




#3
 Pyridine
 Concen: 41.547 ng
 RT: 3.616 min Scan# 90
 Delta R.T. -0.006 min
 Lab File: BP024639.D
 Acq: 15 May 2025 15:59

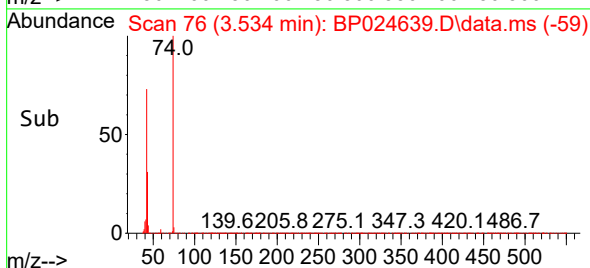
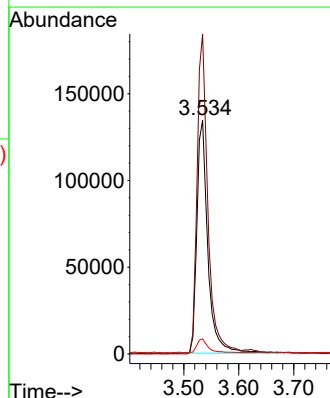
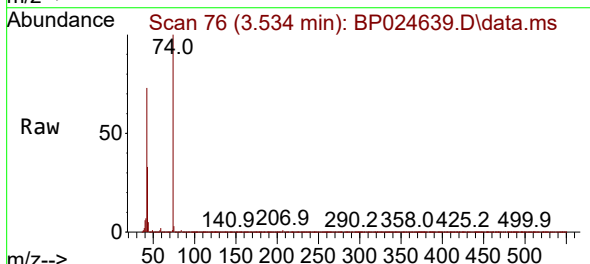
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 ClientSampleId :
 TP-13MSD

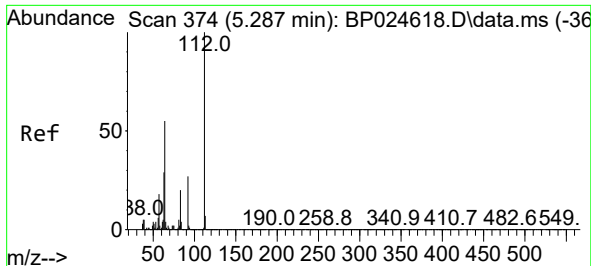
Tgt Ion: 79 Resp: 403411
 Ion Ratio Lower Upper
 79 100
 52 64.6 50.2 75.2
 51 34.5 26.8 40.2



#4
 n-Nitrosodimethylamine
 Concen: 43.425 ng
 RT: 3.534 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: BP024639.D
 Acq: 15 May 2025 15:59

Tgt Ion: 42 Resp: 186147
 Ion Ratio Lower Upper
 42 100
 74 136.8 106.2 159.2
 44 6.4 5.4 8.2

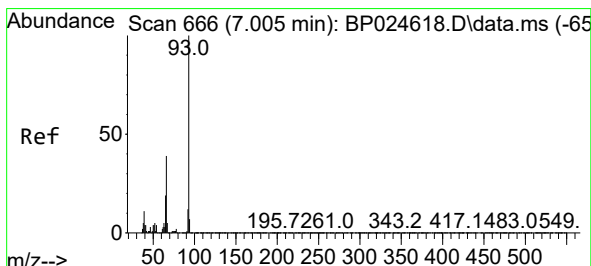
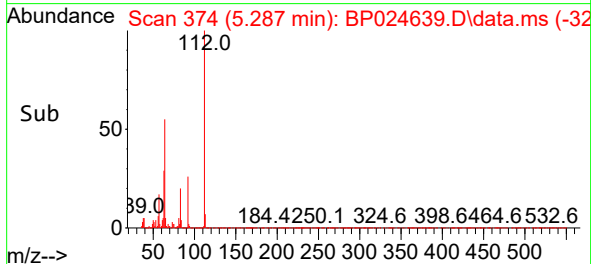
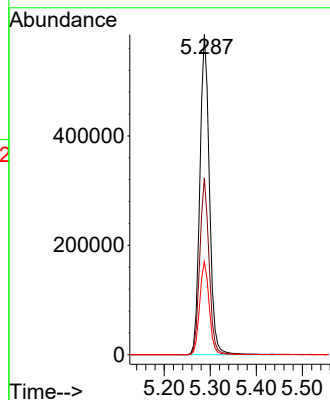
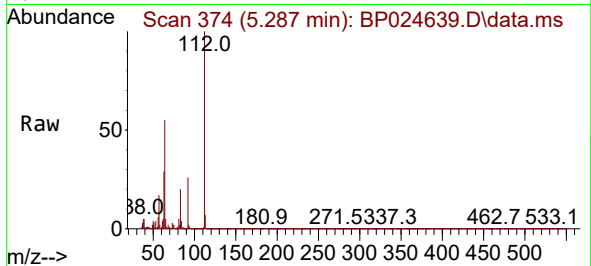




#5
2-Fluorophenol
Concen: 90.362 ng
RT: 5.287 min Scan# 31
Delta R.T. -0.000 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

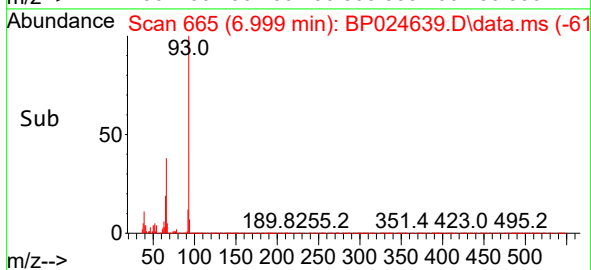
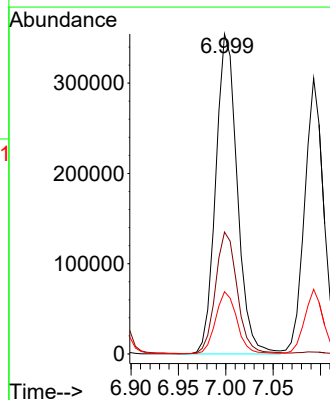
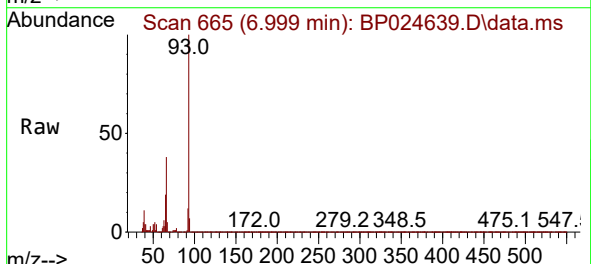
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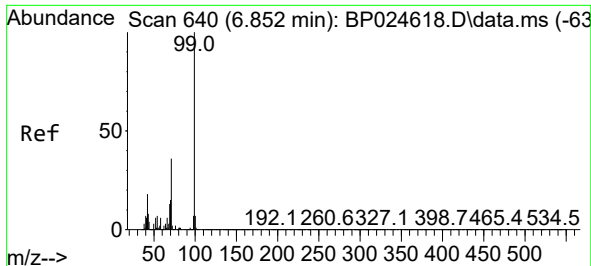
Tgt Ion:112 Resp: 842673
Ion Ratio Lower Upper
112 100
64 55.3 44.1 66.1
63 29.1 23.5 35.3



#6
Aniline
Concen: 36.471 ng
RT: 6.999 min Scan# 665
Delta R.T. -0.006 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

Tgt Ion: 93 Resp: 560425
Ion Ratio Lower Upper
93 100
66 38.1 31.0 46.6
65 19.5 15.5 23.3

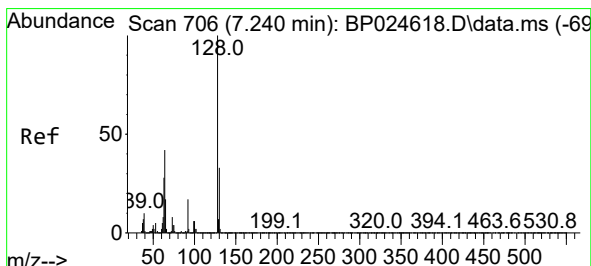
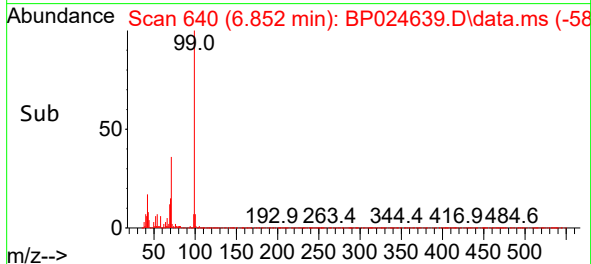
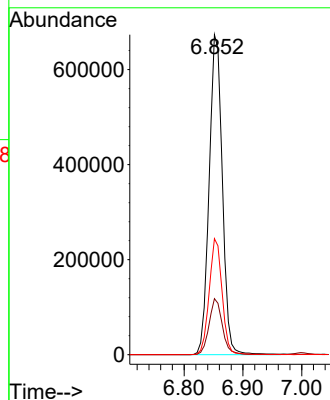
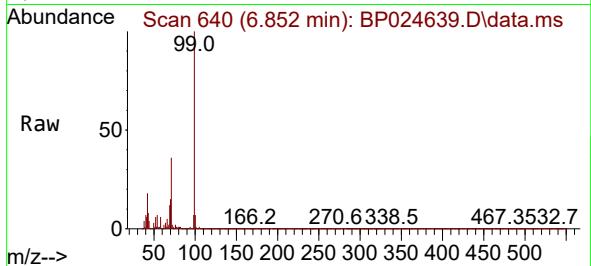




#7
Phenol-d6
Concen: 88.105 ng
RT: 6.852 min Scan# 640
Delta R.T. -0.000 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

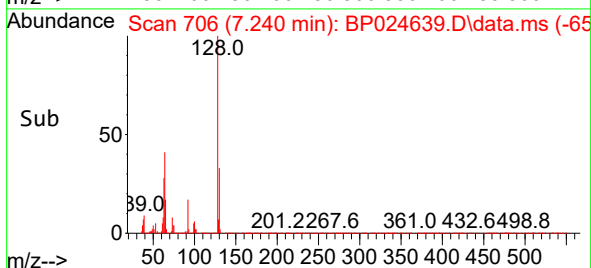
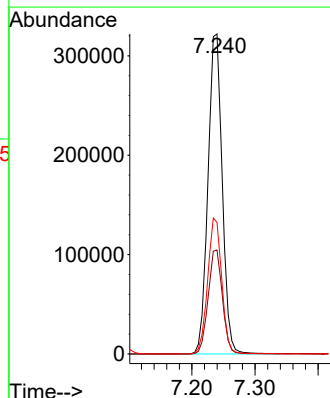
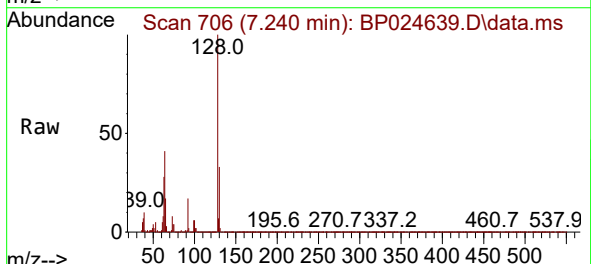
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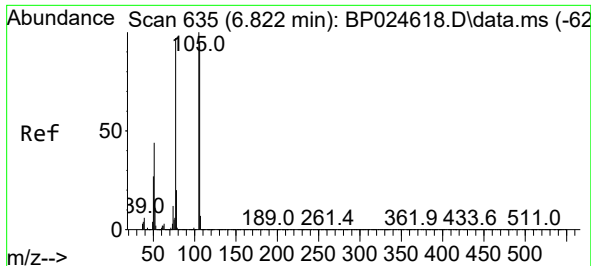
Tgt Ion: 99 Resp: 1048617
Ion Ratio Lower Upper
99 100
42 17.5 14.4 21.6
71 36.3 29.2 43.8



#8
2-Chlorophenol
Concen: 47.629 ng
RT: 7.240 min Scan# 706
Delta R.T. -0.000 min
Lab File: BP024639.D
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Tgt Ion:128 Resp: 504222
Ion Ratio Lower Upper
128 100
130 32.5 13.0 53.0
64 41.1 22.3 62.3

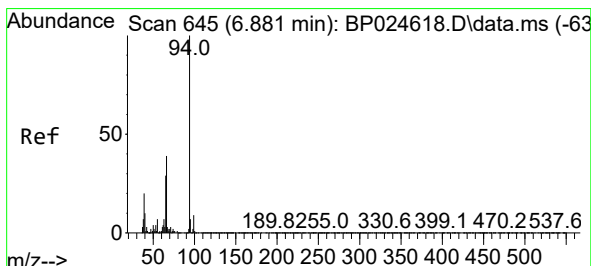
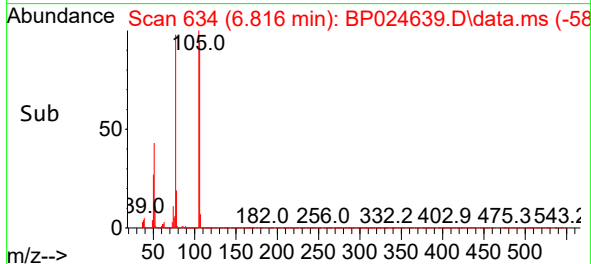
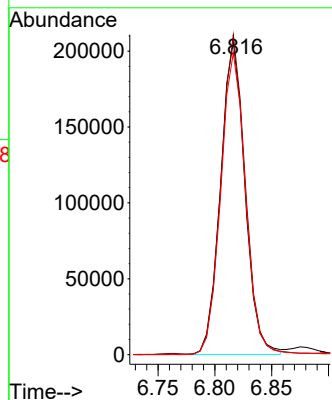
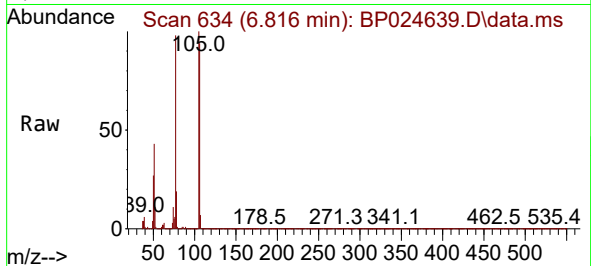




#9
Benzaldehyde
Concen: 40.019 ng
RT: 6.816 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

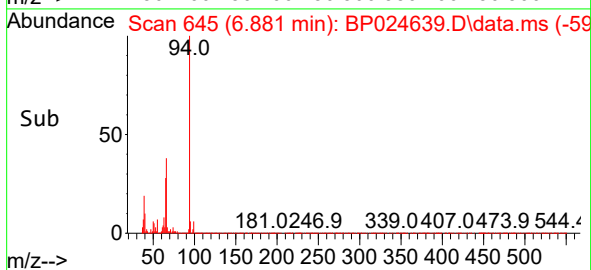
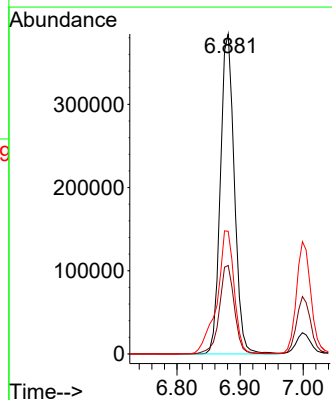
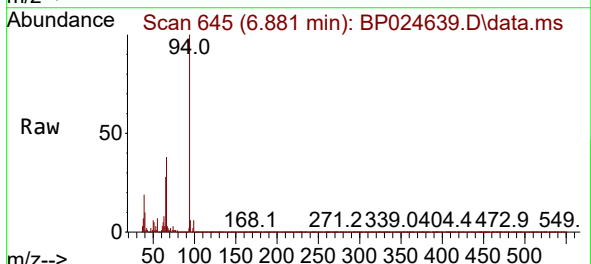
Instrument :
BNA_P
ClientSampleId :
TP-13MSD

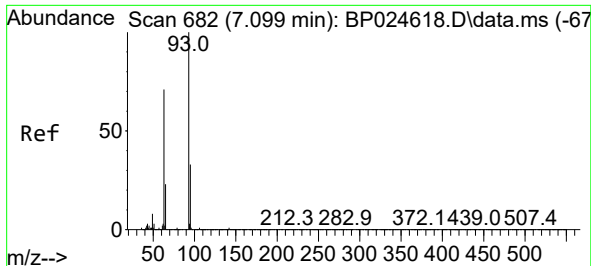
Tgt Ion: 77 Resp: 308327
Ion Ratio Lower Upper
77 100
105 102.4 83.3 123.3
106 96.6 78.0 118.0



#10
Phenol
Concen: 48.098 ng
RT: 6.881 min Scan# 645
Delta R.T. -0.000 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

Tgt Ion: 94 Resp: 590851
Ion Ratio Lower Upper
94 100
65 27.7 8.7 48.7
66 38.3 19.4 59.4

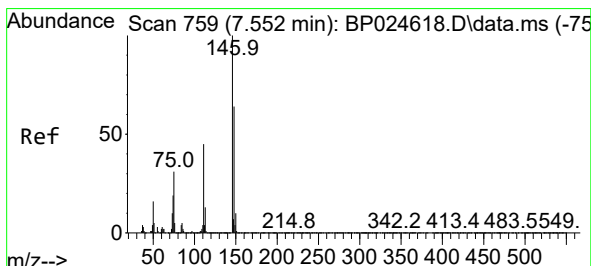
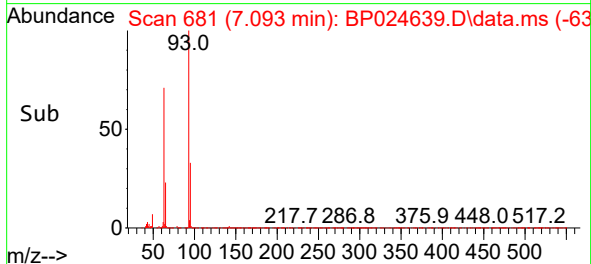
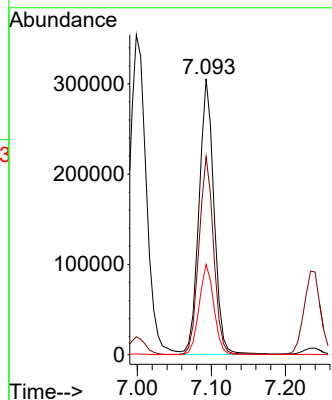
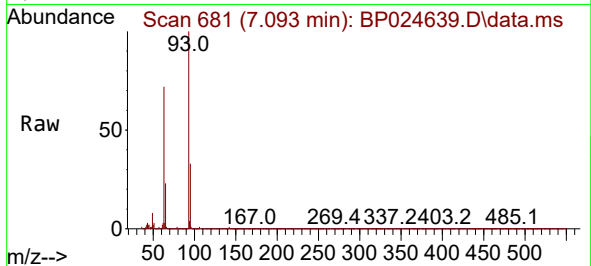




#11
bis(2-Chloroethyl)ether
Concen: 42.599 ng
RT: 7.093 min Scan# 682
Delta R.T. -0.006 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

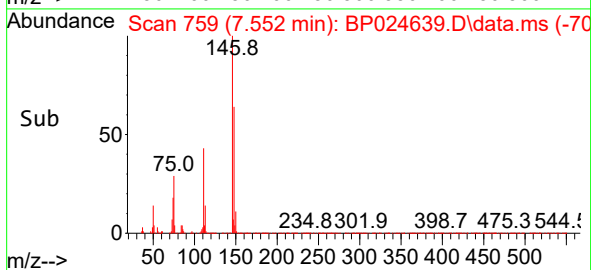
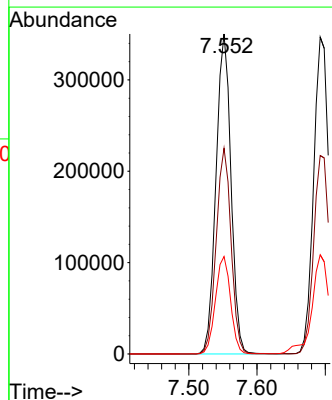
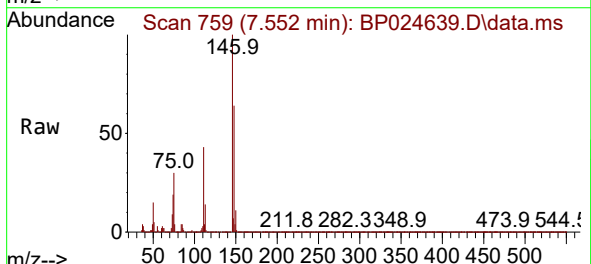
Instrument :
BNA_P
ClientSampleId :
TP-13MSD

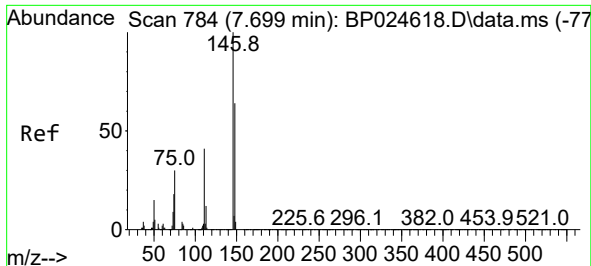
Tgt Ion: 93 Resp: 429994
Ion Ratio Lower Upper
93 100
63 71.8 50.6 90.6
95 32.7 12.9 52.9



#12
1,3-Dichlorobenzene
Concen: 43.956 ng
RT: 7.552 min Scan# 759
Delta R.T. -0.000 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

Tgt Ion: 146 Resp: 535369
Ion Ratio Lower Upper
146 100
148 64.3 51.4 77.2
75 30.4 25.2 37.8

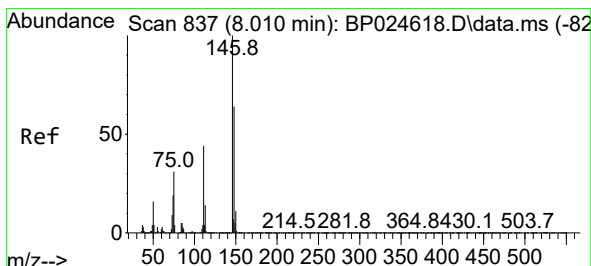
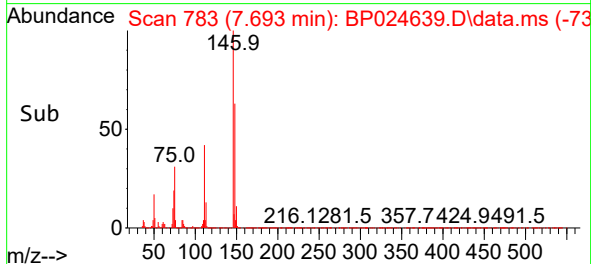
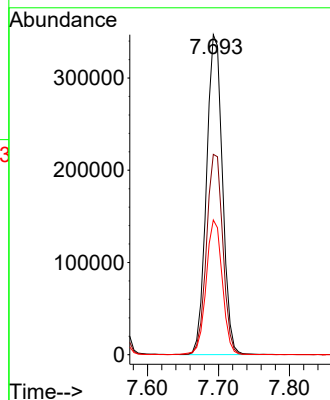
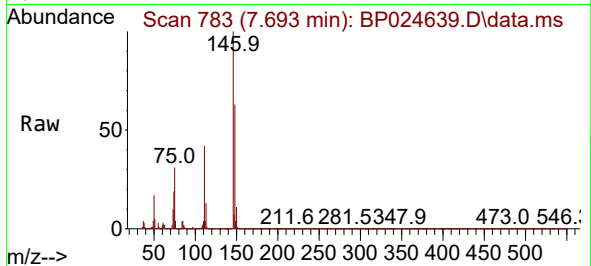




#13
1,4-Dichlorobenzene
Concen: 44.350 ng
RT: 7.693 min Scan# 713
Delta R.T. -0.006 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

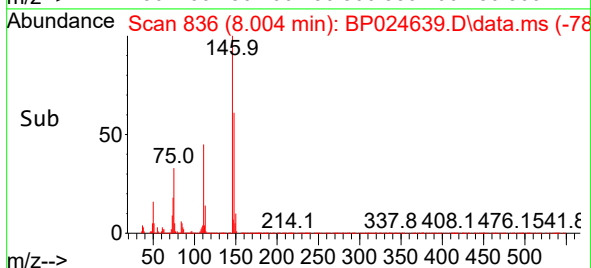
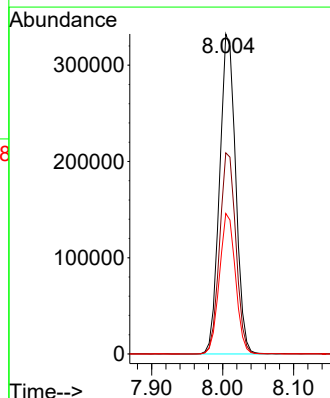
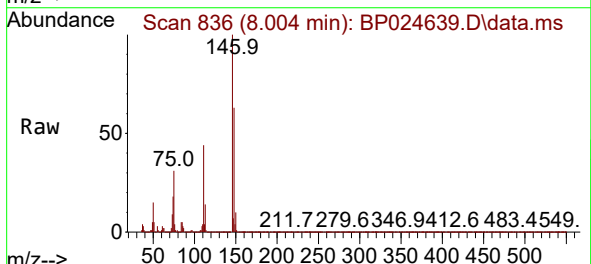
Instrument :
BNA_P
ClientSampleId :
TP-13MSD

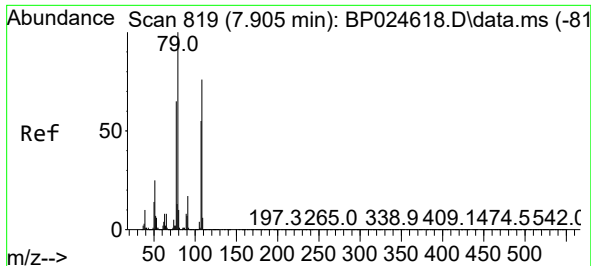
Tgt Ion:146 Resp: 543293
Ion Ratio Lower Upper
146 100
148 62.6 51.0 76.6
111 42.1 33.0 49.6



#14
1,2-Dichlorobenzene
Concen: 43.677 ng
RT: 8.004 min Scan# 836
Delta R.T. -0.006 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

Tgt Ion:146 Resp: 521355
Ion Ratio Lower Upper
146 100
148 62.9 51.0 76.4
111 43.9 35.2 52.8

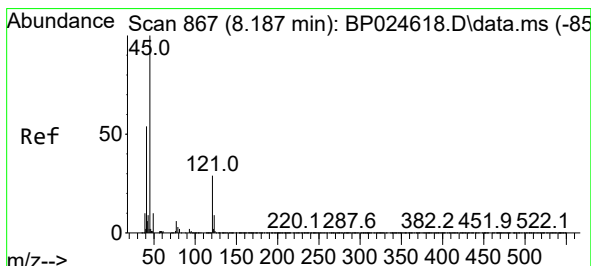
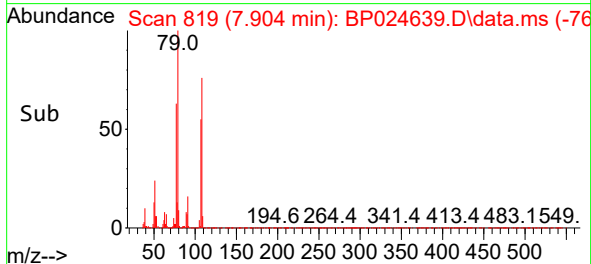
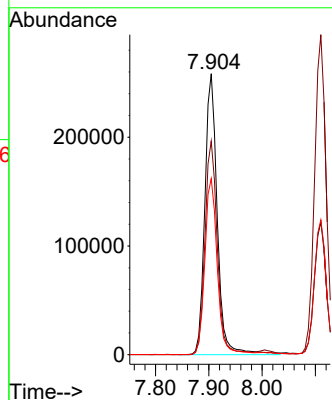
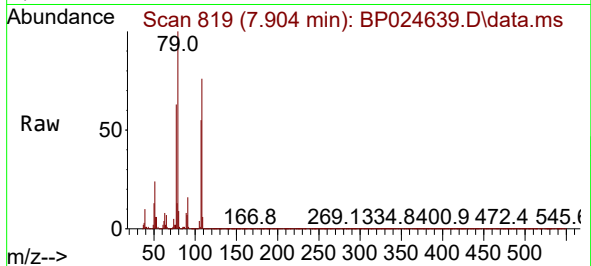




#15
Benzyl Alcohol
Concen: 46.166 ng
RT: 7.904 min Scan# 819
Delta R.T. -0.000 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

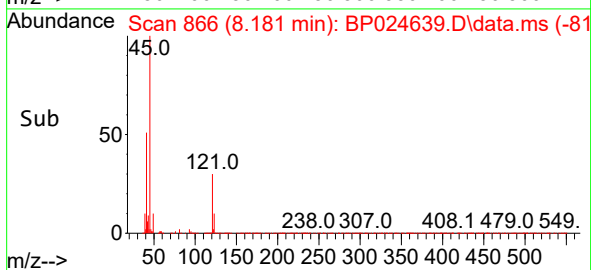
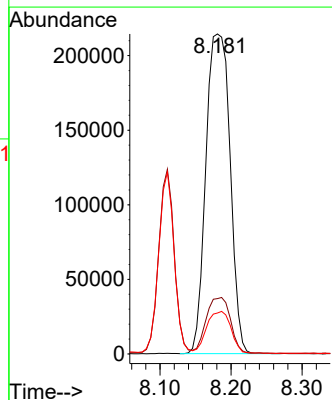
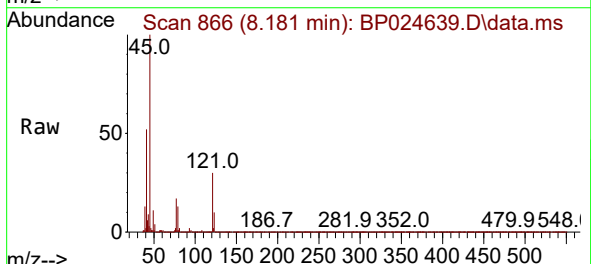
Instrument :
BNA_P
ClientSampleId :
TP-13MSD

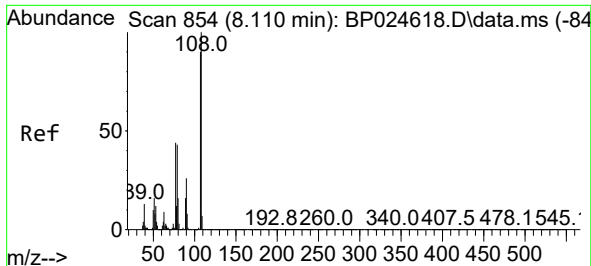
Tgt Ion: 79 Resp: 417550
Ion Ratio Lower Upper
79 100
108 76.0 60.8 91.2
77 62.6 51.9 77.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.990 ng
RT: 8.181 min Scan# 866
Delta R.T. -0.006 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

Tgt Ion: 45 Resp: 507595
Ion Ratio Lower Upper
45 100
77 17.3 0.0 37.7
79 12.8 0.0 34.0

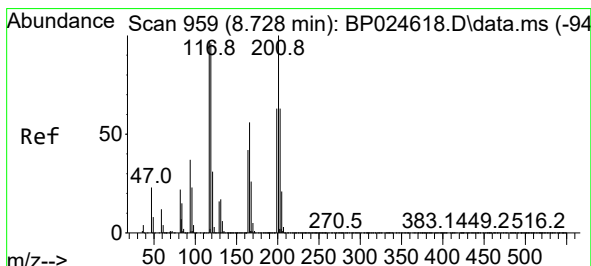
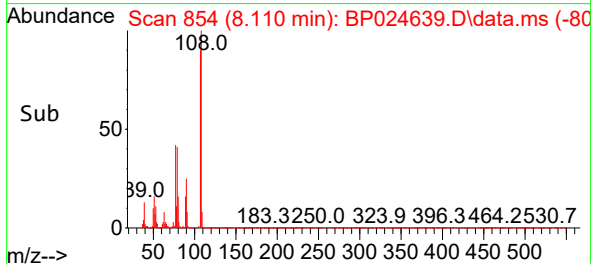
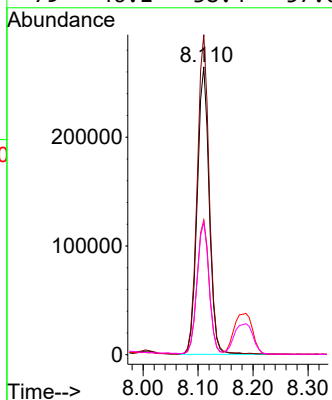
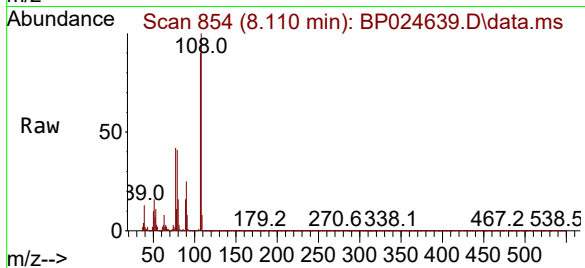




#17
2-Methylphenol
Concen: 45.432 ng
RT: 8.110 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

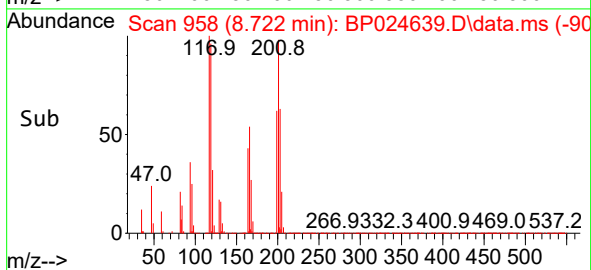
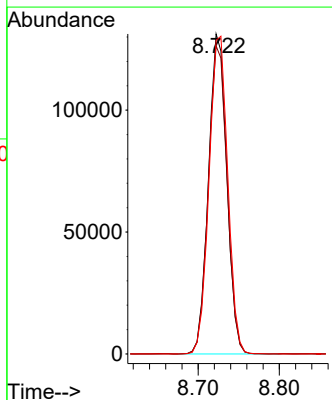
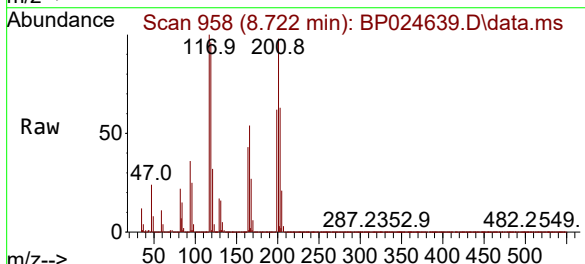
Instrument :
BNA_P
ClientSampleId :
TP-13MSD

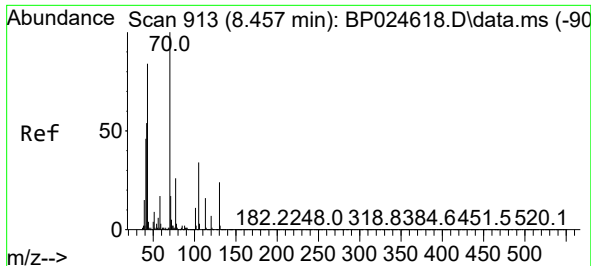
Tgt Ion:	107	Resp:	400289
Ion	Ratio	Lower	Upper
107	100		
108	111.1	88.9	133.3
77	46.8	39.0	58.6
79	46.1	38.4	57.6



#18
Hexachloroethane
Concen: 43.881 ng
RT: 8.722 min Scan# 958
Delta R.T. -0.006 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

Tgt Ion:	117	Resp:	205990
Ion	Ratio	Lower	Upper
117	100		
119	96.3	79.4	119.0
201	98.0	82.7	124.1

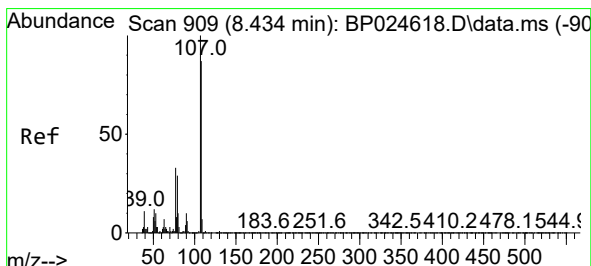
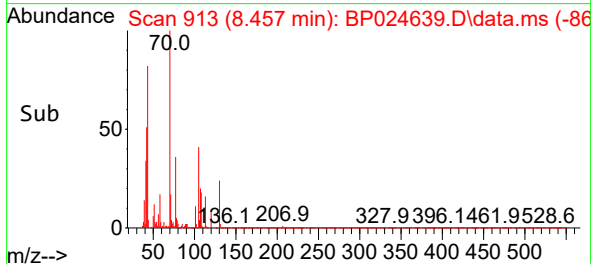
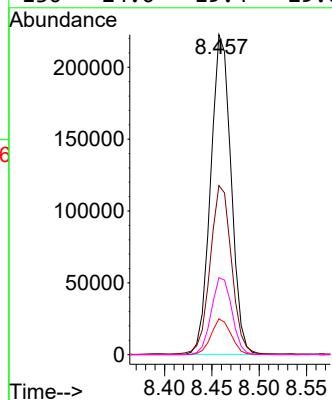
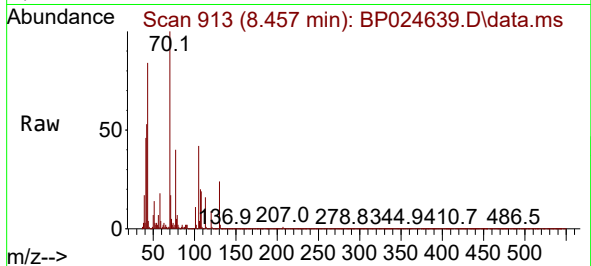




#19
n-Nitroso-di-n-propylamine
Concen: 40.611 ng
RT: 8.457 min Scan# 913
Delta R.T. -0.000 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

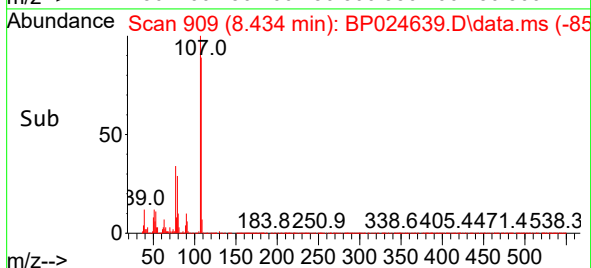
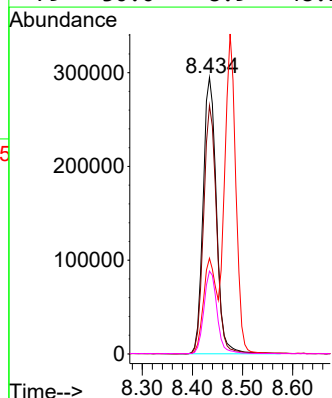
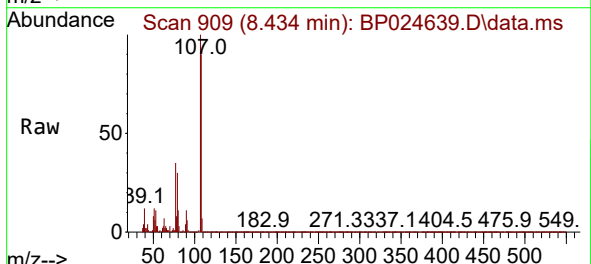
Instrument :
BNA_P
ClientSampleId :
TP-13MSD

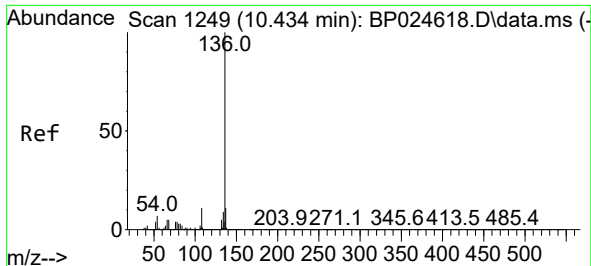
Tgt Ion: 70 Resp: 334353
Ion Ratio Lower Upper
70 100
42 52.8 43.0 64.6
101 11.2 8.7 13.1
130 24.0 19.4 29.0



#20
3+4-Methylphenols
Concen: 45.290 ng
RT: 8.434 min Scan# 909
Delta R.T. -0.000 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

Tgt Ion: 107 Resp: 542791
Ion Ratio Lower Upper
107 100
108 89.9 66.7 106.7
77 34.6 13.1 53.1
79 30.0 8.9 48.9

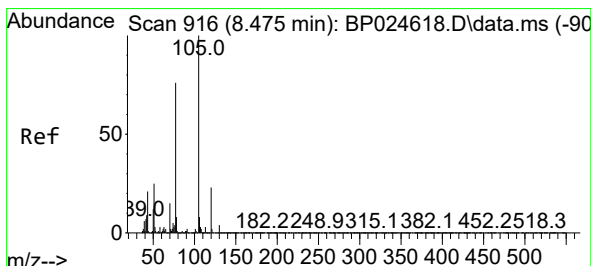
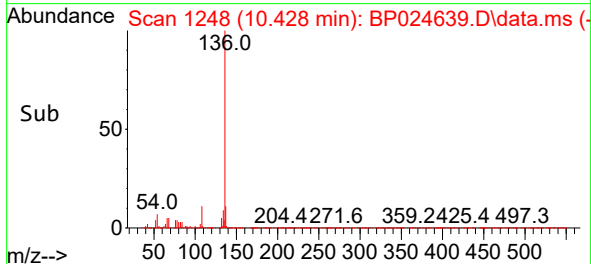
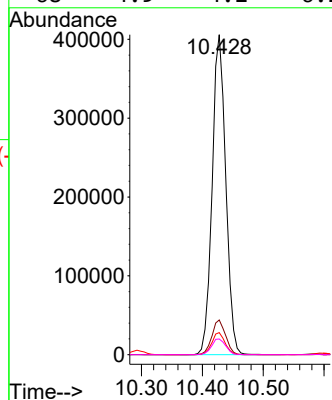
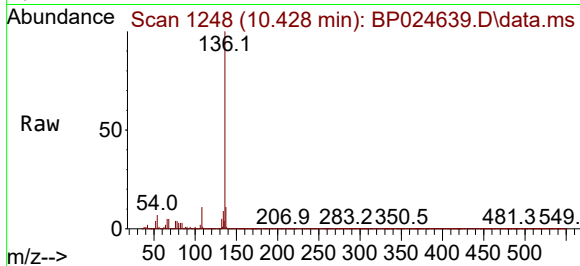




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.428 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

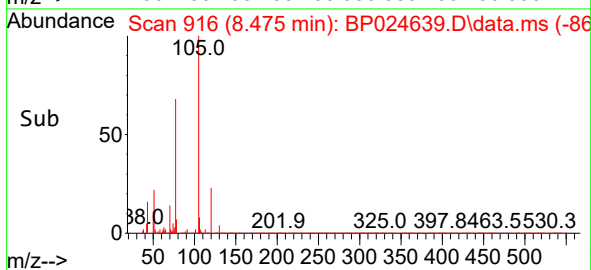
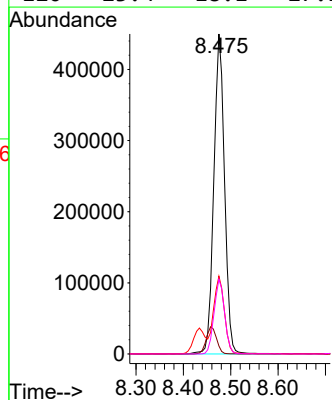
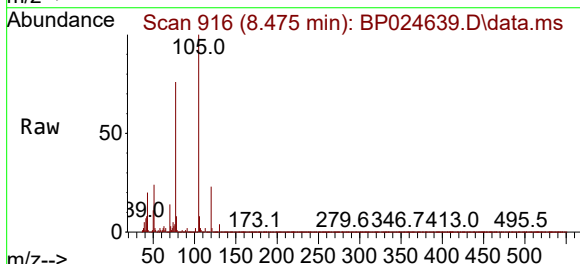
Instrument :
BNA_P
ClientSampleId :
TP-13MSD

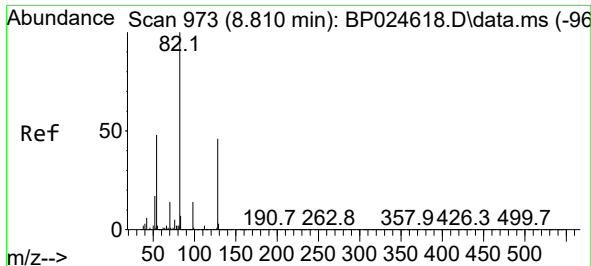
Tgt Ion:136 Resp: 628820
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 6.9 5.5 8.3
68 4.9 4.2 6.2



#22
Acetophenone
Concen: 45.082 ng
RT: 8.475 min Scan# 916
Delta R.T. -0.000 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

Tgt Ion:105 Resp: 708122
Ion Ratio Lower Upper
105 100
71 2.5 2.0 3.0
51 24.3 20.4 30.6
120 23.4 18.1 27.1

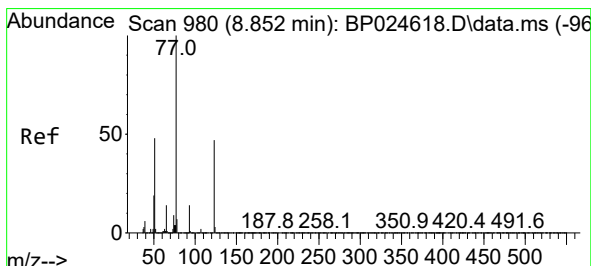
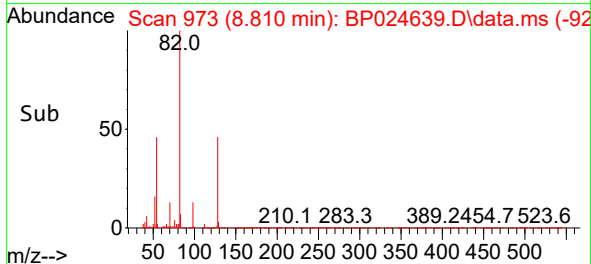
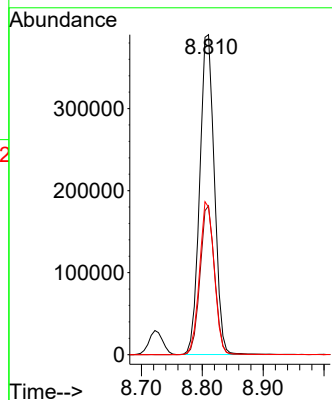
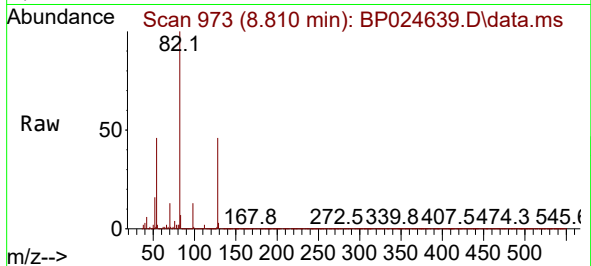




#23
Nitrobenzene-d5
Concen: 52.388 ng
RT: 8.810 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

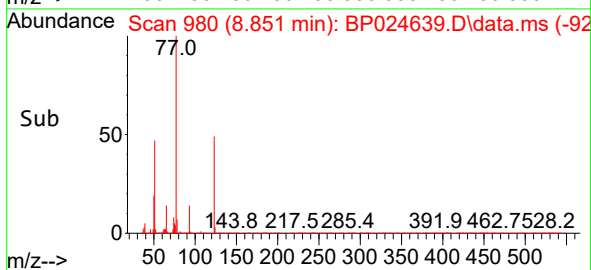
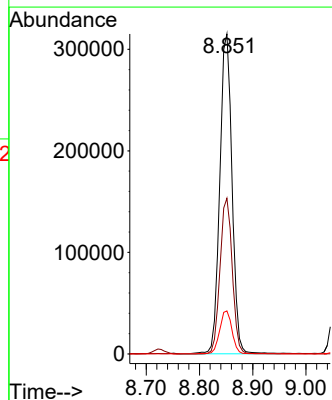
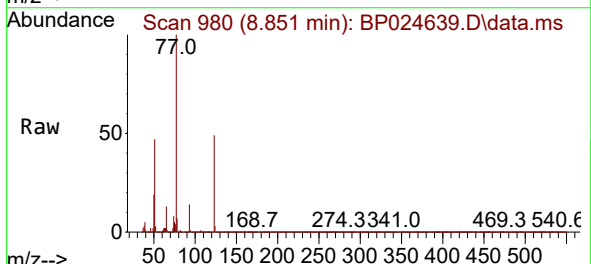
Instrument :
BNA_P
ClientSampleId :
TP-13MSD

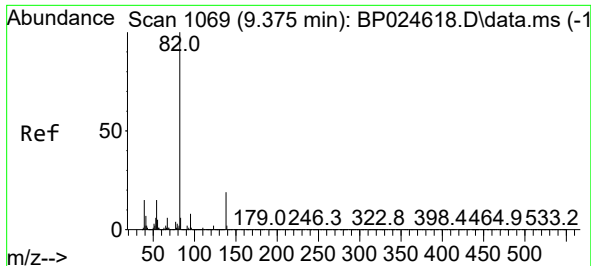
Tgt Ion: 82 Resp: 651986
Ion Ratio Lower Upper
82 100
128 46.5 37.0 55.4
54 46.1 38.7 58.1



#24
Nitrobenzene
Concen: 45.690 ng
RT: 8.851 min Scan# 980
Delta R.T. -0.000 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

Tgt Ion: 77 Resp: 500401
Ion Ratio Lower Upper
77 100
123 48.7 37.4 56.0
65 13.5 11.3 16.9

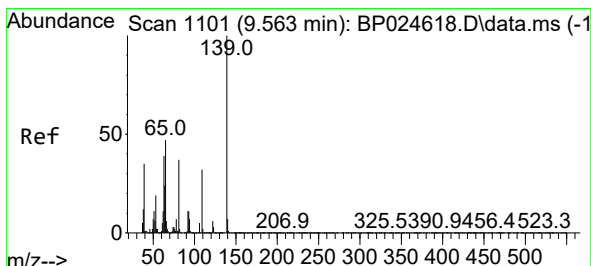
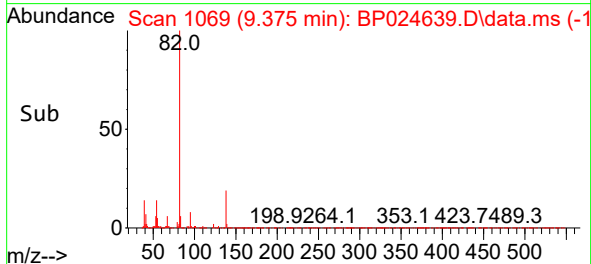
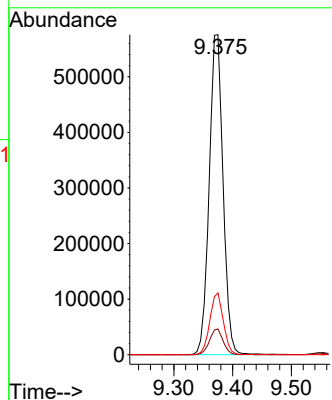
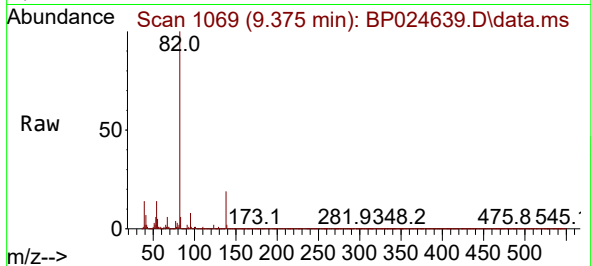




#25
Isophorone
Concen: 43.827 ng
RT: 9.375 min Scan# 1069
Delta R.T. -0.000 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

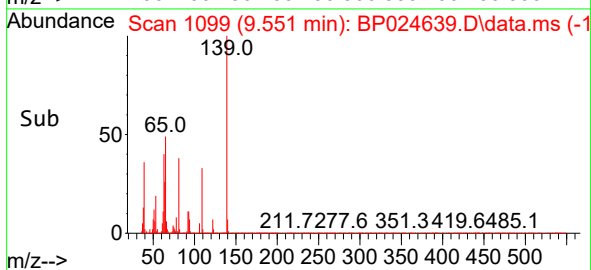
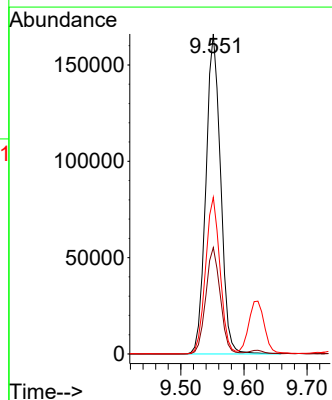
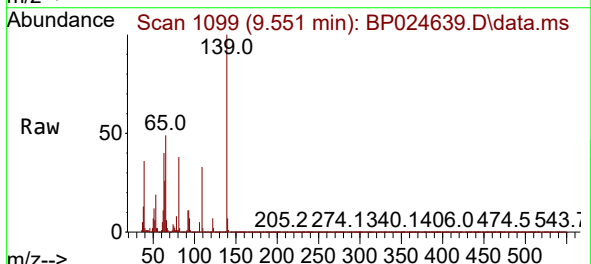
Instrument :
BNA_P
ClientSampleId :
TP-13MSD

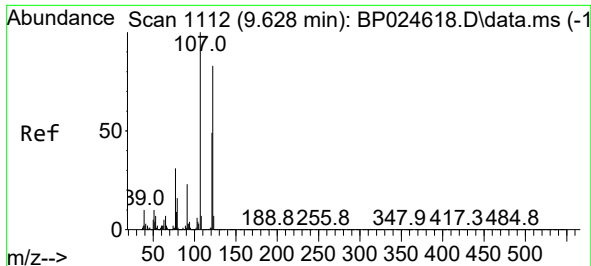
Tgt Ion: 82 Resp: 946143
Ion Ratio Lower Upper
82 100
95 8.0 6.3 9.5
138 19.3 15.3 22.9



#26
2-Nitrophenol
Concen: 50.048 ng
RT: 9.551 min Scan# 1099
Delta R.T. -0.012 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

Tgt Ion:139 Resp: 268593
Ion Ratio Lower Upper
139 100
109 33.2 25.9 38.9
65 48.9 37.9 56.9

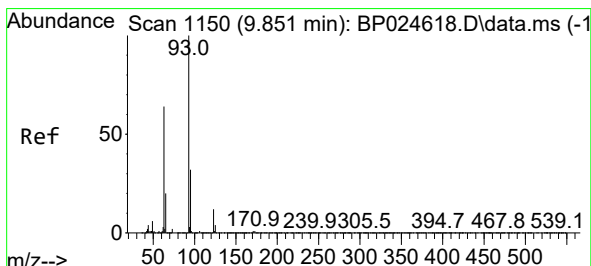
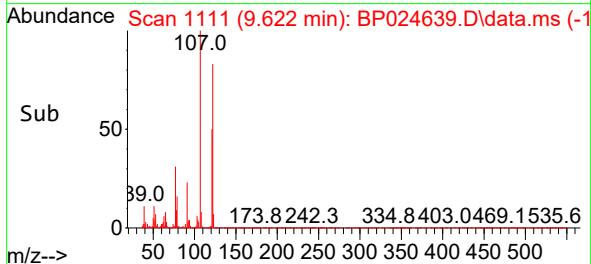
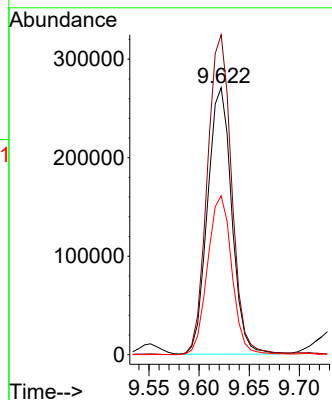
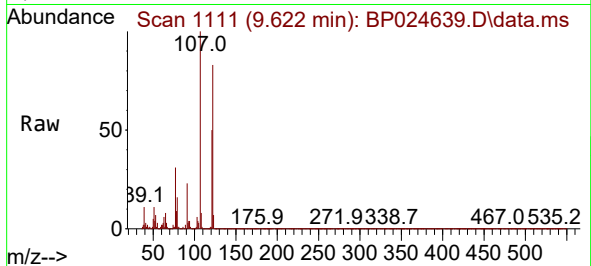




#27
2,4-Dimethylphenol
Concen: 47.982 ng
RT: 9.622 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

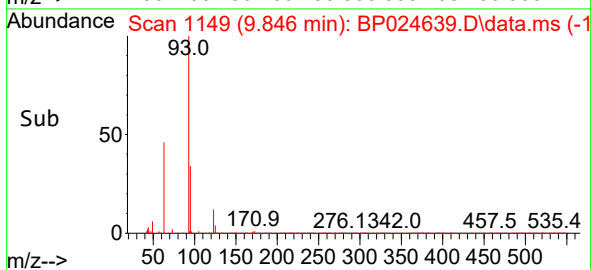
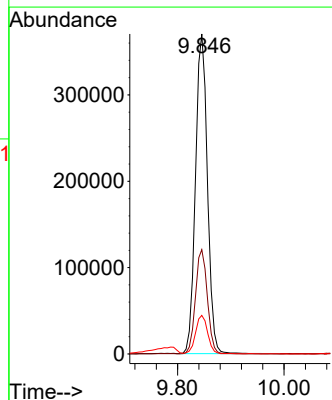
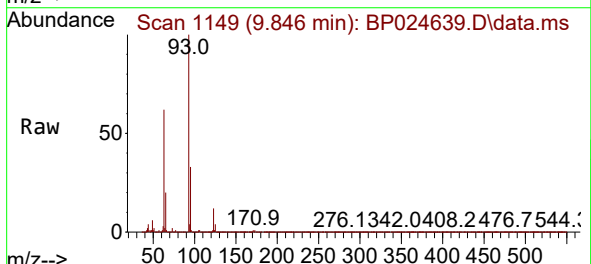
Instrument :
BNA_P
ClientSampleId :
TP-13MSD

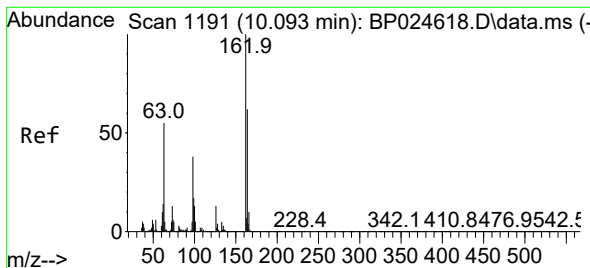
Tgt Ion:122 Resp: 454005
Ion Ratio Lower Upper
122 100
107 119.8 96.2 144.2
121 59.5 47.6 71.4



#28
bis(2-Chloroethoxy)methane
Concen: 44.702 ng
RT: 9.846 min Scan# 1149
Delta R.T. -0.006 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

Tgt Ion: 93 Resp: 576552
Ion Ratio Lower Upper
93 100
95 32.6 25.5 38.3
123 12.1 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 49.275 ng

RT: 10.087 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BP024639.D

Acq: 15 May 2025 15:59

Instrument :

BNA_P

ClientSampleId :

TP-13MSD

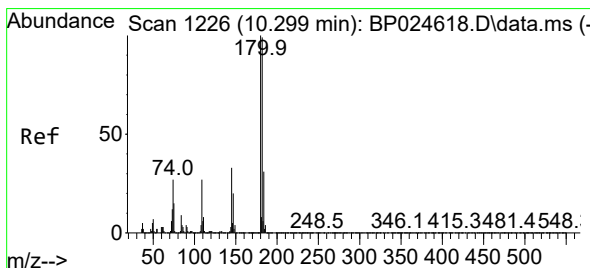
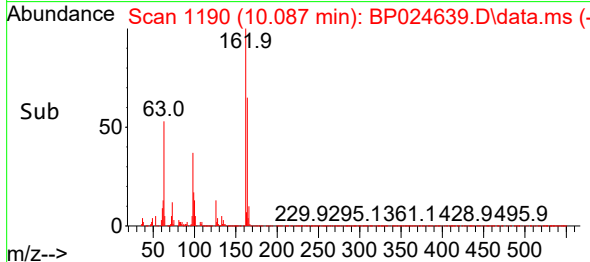
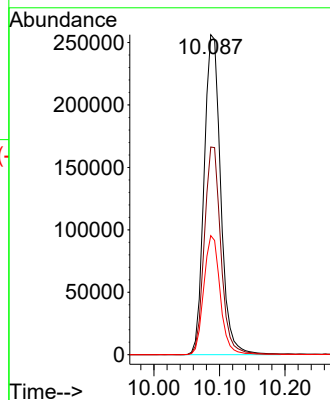
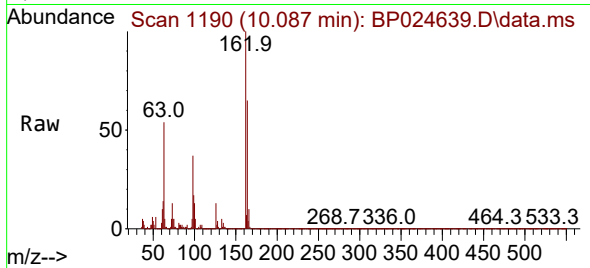
Tgt Ion:162 Resp: 451816

Ion Ratio Lower Upper

162 100

164 64.9 42.3 82.3

98 37.2 18.4 58.4



#30

1,2,4-Trichlorobenzene

Concen: 46.177 ng

RT: 10.293 min Scan# 1225

Delta R.T. -0.006 min

Lab File: BP024639.D

Acq: 15 May 2025 15:59

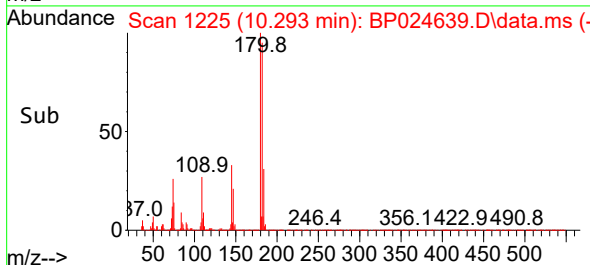
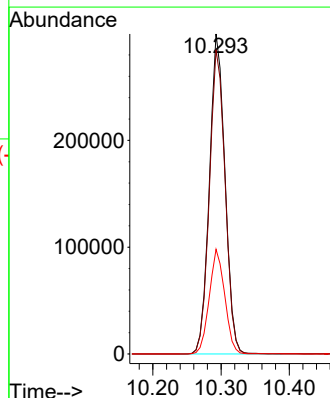
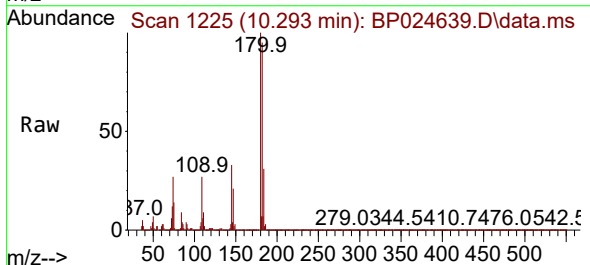
Tgt Ion:180 Resp: 477127

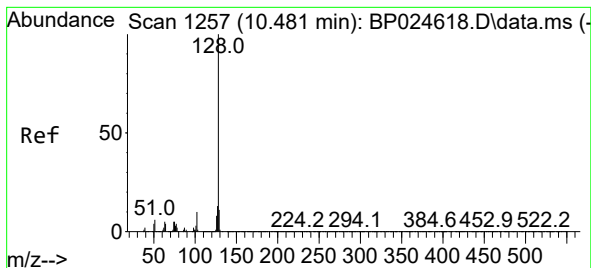
Ion Ratio Lower Upper

180 100

182 95.1 79.0 118.4

145 32.7 26.6 39.8





#31

Naphthalene

Concen: 45.043 ng

RT: 10.475 min Scan# 1139

Delta R.T. -0.006 min

Lab File: BP024639.D

Acq: 15 May 2025 15:59

Instrument :

BNA_P

ClientSampleId :

TP-13MSD

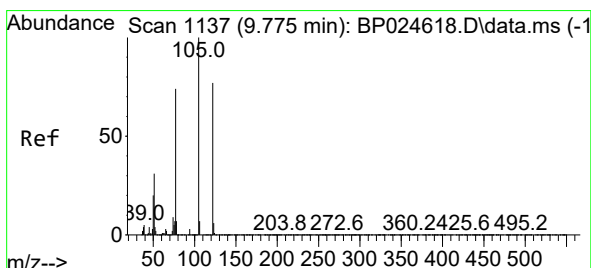
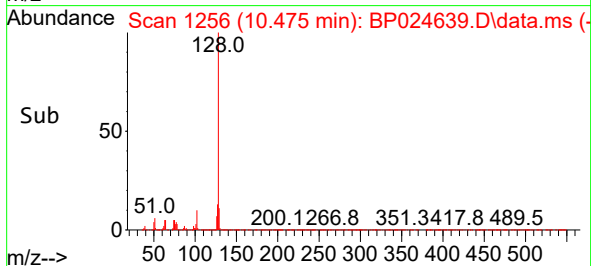
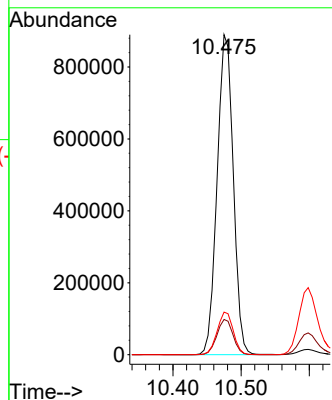
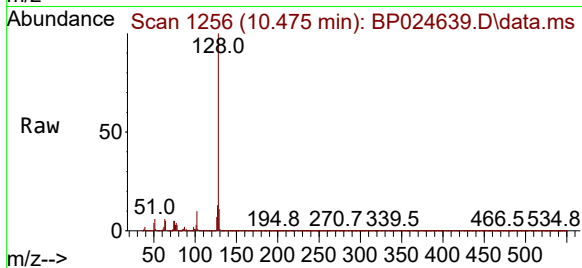
Tgt Ion:128 Resp: 1467759

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

127 13.3 10.7 16.1



#32

Benzoic acid

Concen: 48.835 ng

RT: 9.787 min Scan# 1139

Delta R.T. 0.012 min

Lab File: BP024639.D

Acq: 15 May 2025 15:59

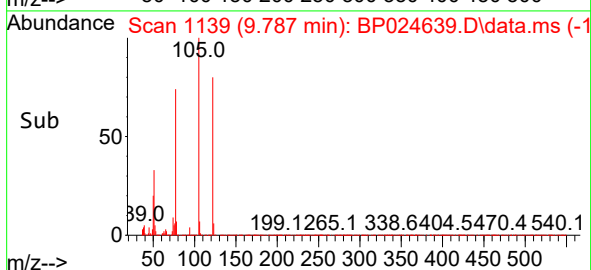
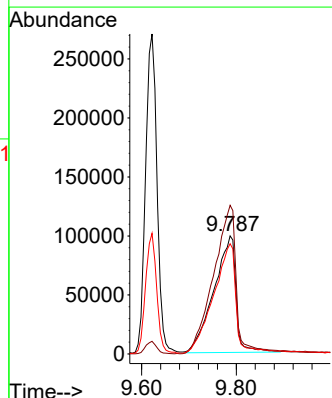
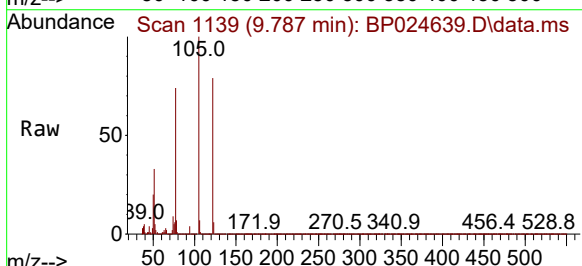
Tgt Ion:122 Resp: 322696

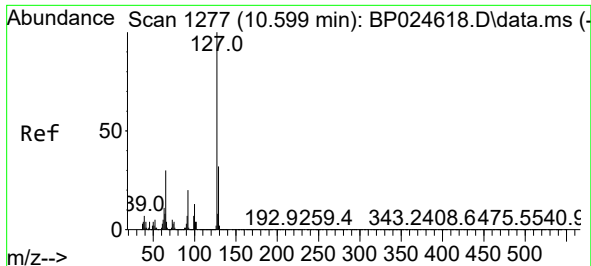
Ion Ratio Lower Upper

122 100

105 125.8 106.9 146.9

77 93.3 75.1 115.1

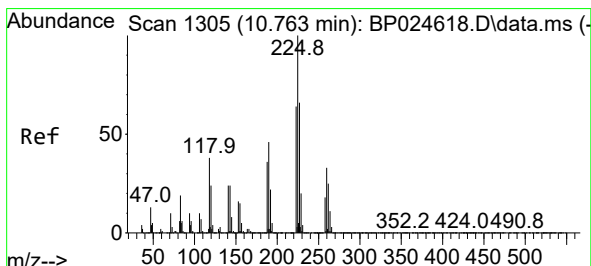
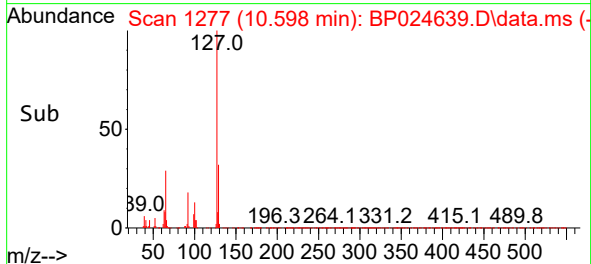
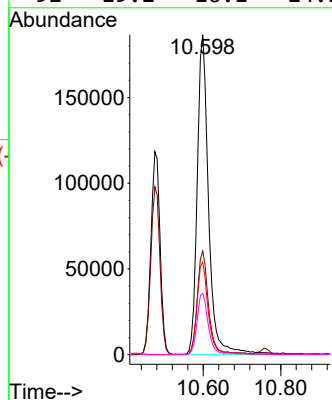
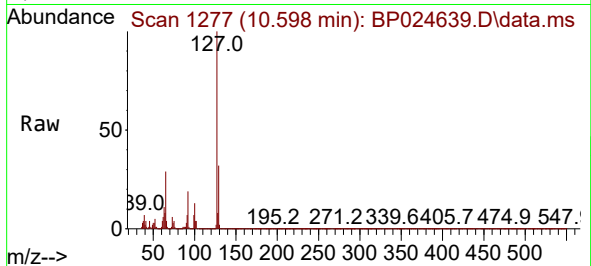




#33
4-Chloroaniline
Concen: 28.739 ng
RT: 10.598 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

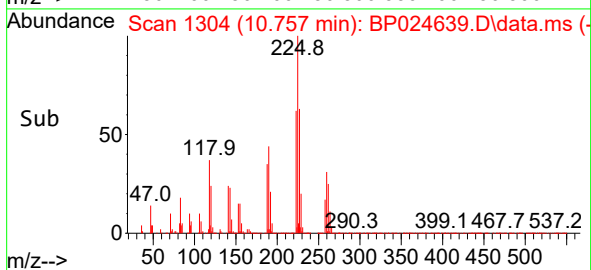
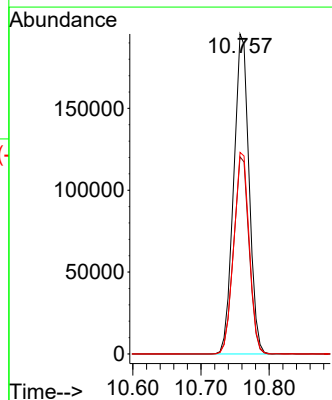
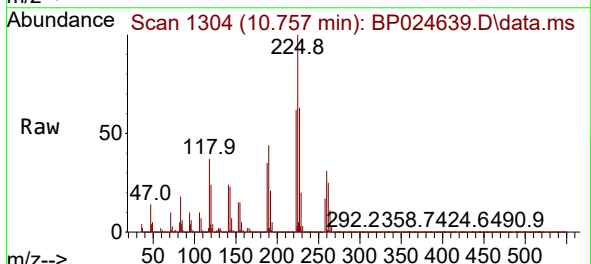
Instrument :
BNA_P
ClientSampleId :
TP-13MSD

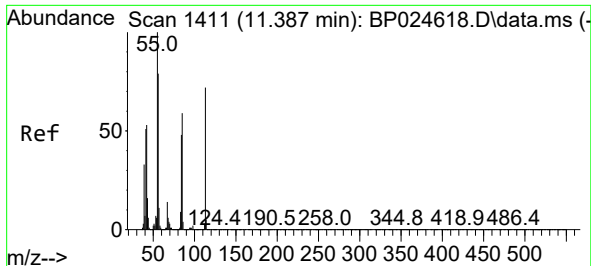
Tgt Ion:	127	Resp:	377895
Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.8	38.6
65	28.9	23.9	35.9
92	19.2	16.1	24.1



#34
Hexachlorobutadiene
Concen: 45.710 ng
RT: 10.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

Tgt Ion:	225	Resp:	305965
Ion	Ratio	Lower	Upper
225	100		
223	61.6	51.0	76.6
227	63.0	53.1	79.7

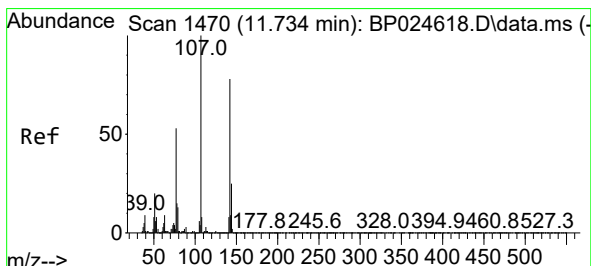
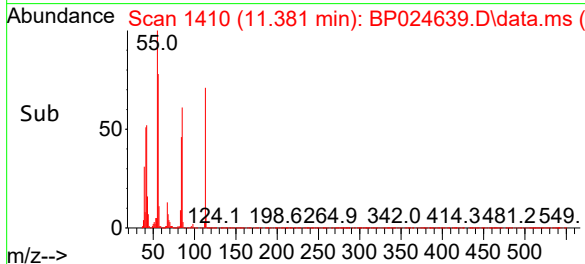
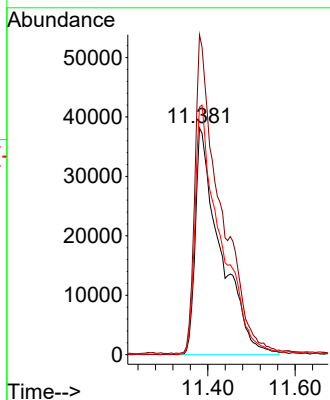
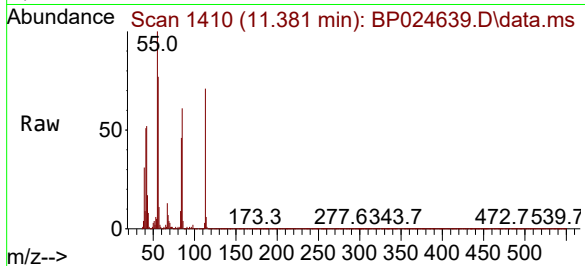




#35
Caprolactam
Concen: 46.078 ng m
RT: 11.381 min Scan# 1411
Delta R.T. -0.006 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

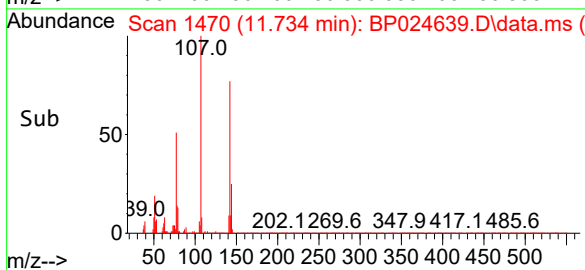
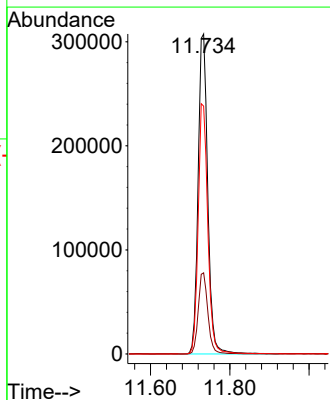
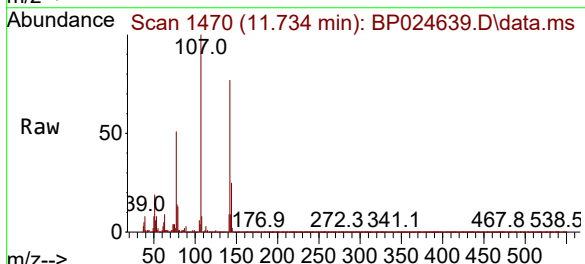
Instrument :
BNA_P
ClientSampleId :
TP-13MSD

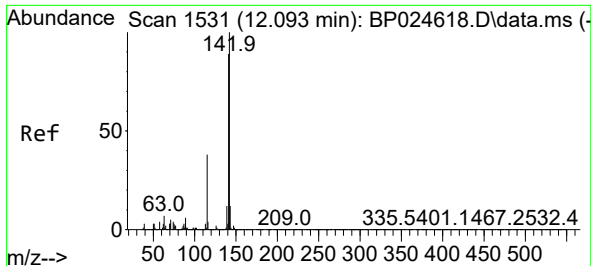
Tgt Ion:113 Resp: 152861
Ion Ratio Lower Upper
113 100
55 141.1 119.0 159.0
56 109.3 90.3 130.3



#36
4-Chloro-3-methylphenol
Concen: 46.339 ng
RT: 11.734 min Scan# 1470
Delta R.T. -0.000 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

Tgt Ion:107 Resp: 518151
Ion Ratio Lower Upper
107 100
144 25.3 20.1 30.1
142 77.4 62.1 93.1

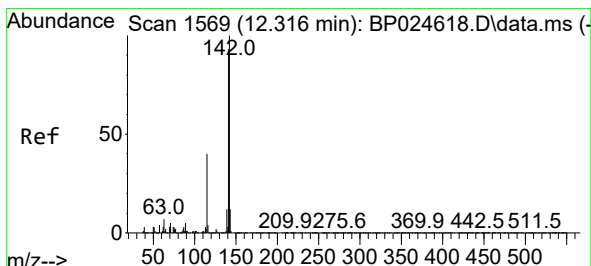
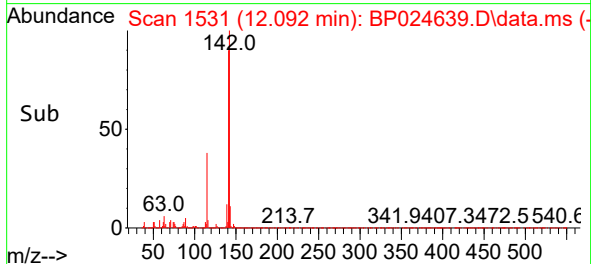
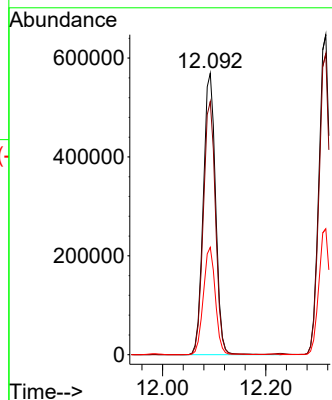
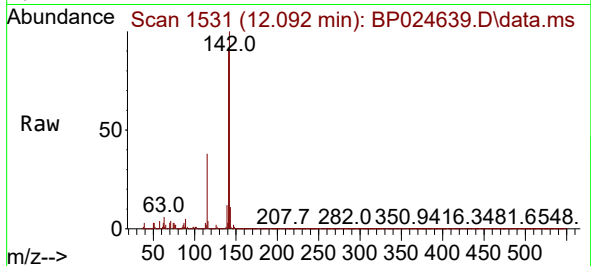




#37
2-Methylnaphthalene
Concen: 44.452 ng
RT: 12.092 min Scan# 1531
Delta R.T. -0.000 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

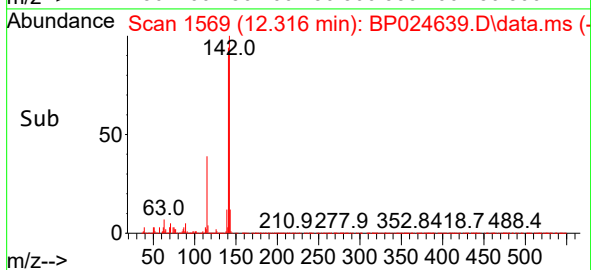
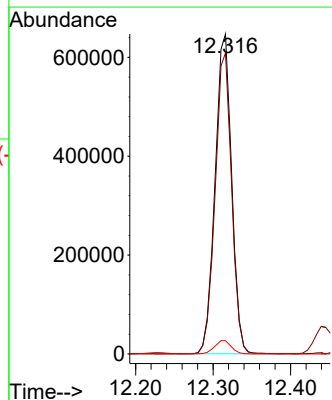
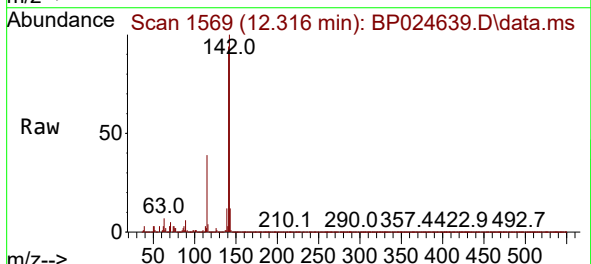
Instrument :
BNA_P
ClientSampleId :
TP-13MSD

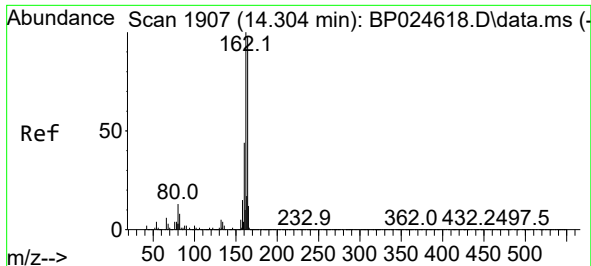
Tgt Ion:142 Resp: 937935
Ion Ratio Lower Upper
142 100
141 89.9 71.2 106.8
115 38.2 30.6 46.0



#38
1-Methylnaphthalene
Concen: 42.496 ng
RT: 12.316 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

Tgt Ion:142 Resp: 959403
Ion Ratio Lower Upper
142 100
141 94.1 74.7 112.1
116 4.2 3.4 5.2

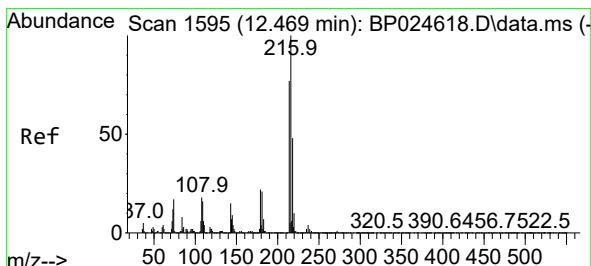
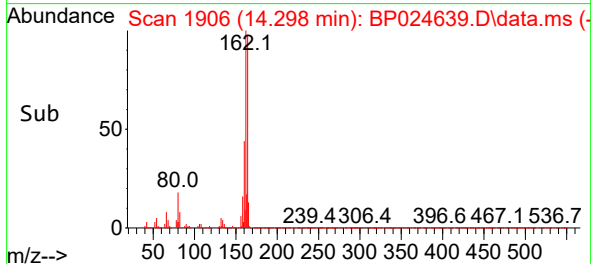
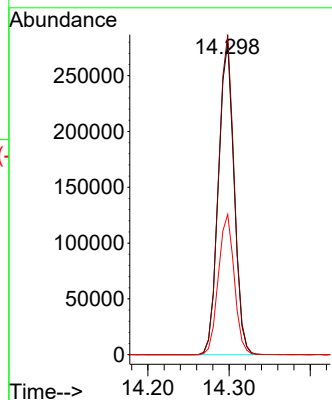
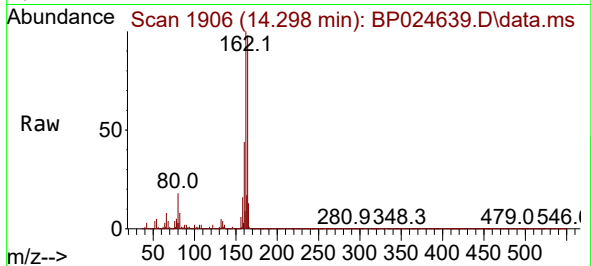




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.298 min Scan# 1906
Delta R.T. -0.006 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

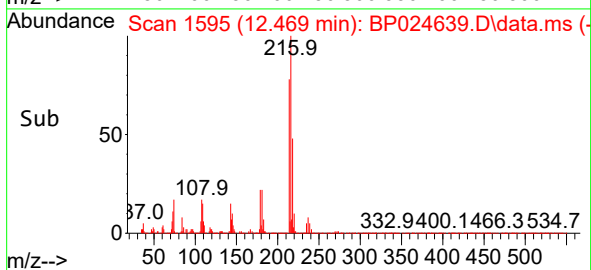
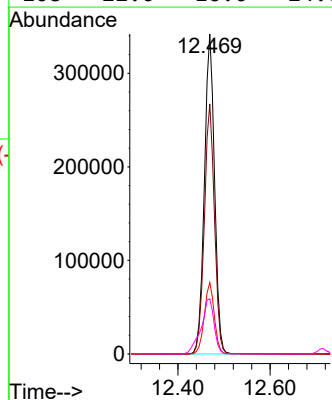
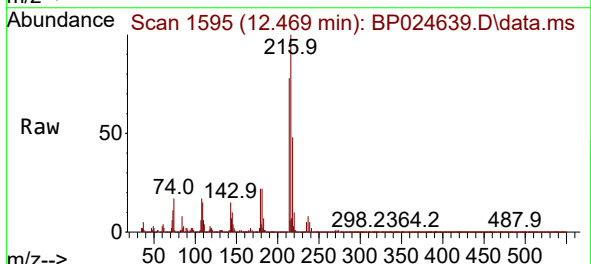
Instrument :
BNA_P
ClientSampleId :
TP-13MSD

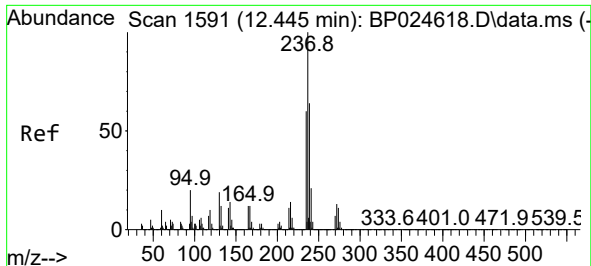
Tgt Ion:164 Resp: 375530
Ion Ratio Lower Upper
164 100
162 102.5 81.8 122.6
160 44.9 36.3 54.5



#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.245 ng
RT: 12.469 min Scan# 1595
Delta R.T. -0.000 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

Tgt Ion:216 Resp: 526111
Ion Ratio Lower Upper
216 100
214 78.2 62.3 93.5
179 22.1 17.7 26.5
108 22.0 16.0 24.0

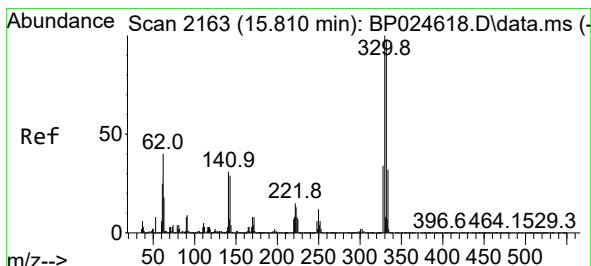
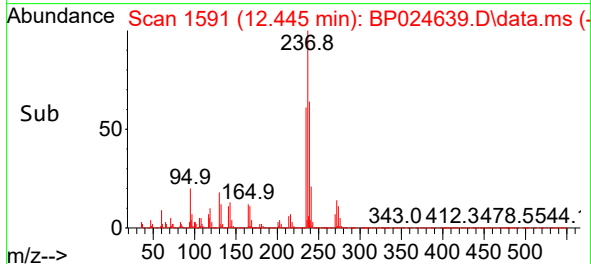
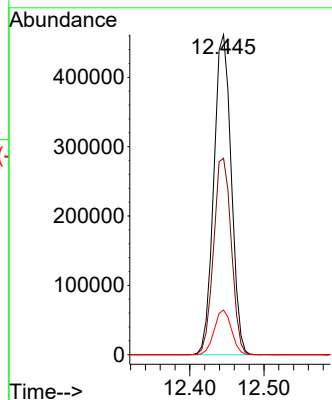
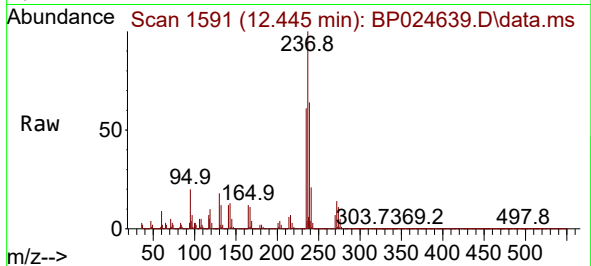




#41
Hexachlorocyclopentadiene
Concen: 113.935 ng
RT: 12.445 min Scan# 1591
Delta R.T. -0.000 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

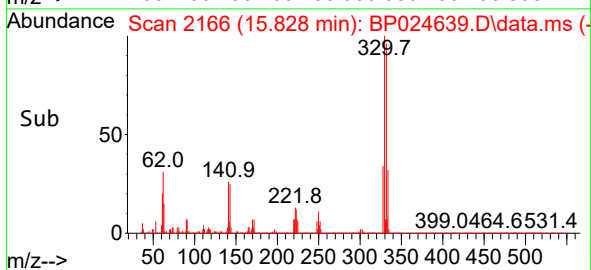
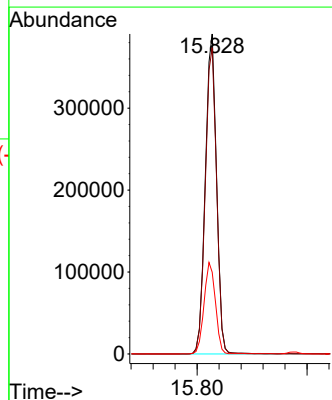
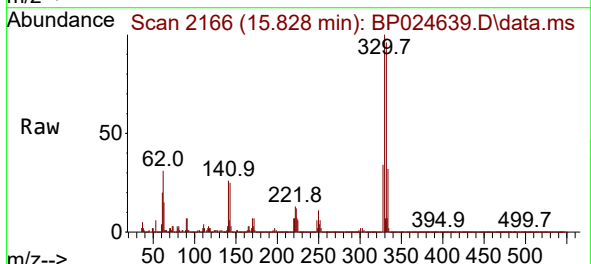
Instrument :
BNA_P
ClientSampleId :
TP-13MSD

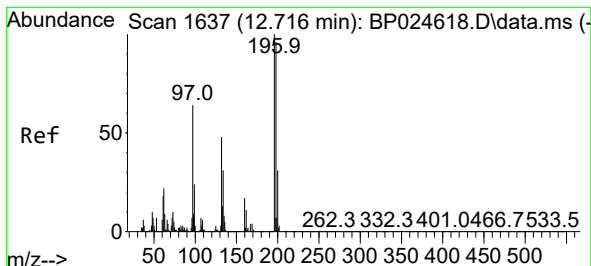
Tgt Ion:237 Resp: 753385
Ion Ratio Lower Upper
237 100
235 61.4 39.9 79.9
272 14.0 0.0 33.2



#42
2,4,6-Tribromophenol
Concen: 86.542 ng
RT: 15.828 min Scan# 2166
Delta R.T. 0.018 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

Tgt Ion:330 Resp: 550955
Ion Ratio Lower Upper
330 100
332 96.5 78.2 117.4
141 29.1 24.3 36.5





#43

2,4,6-Trichlorophenol

Concen: 51.868 ng

RT: 12.710 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP024639.D

Acq: 15 May 2025 15:59

Instrument :

BNA_P

ClientSampleId :

TP-13MSD

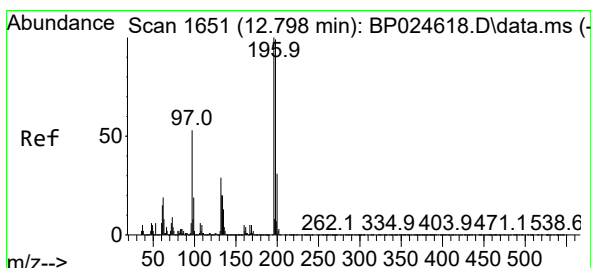
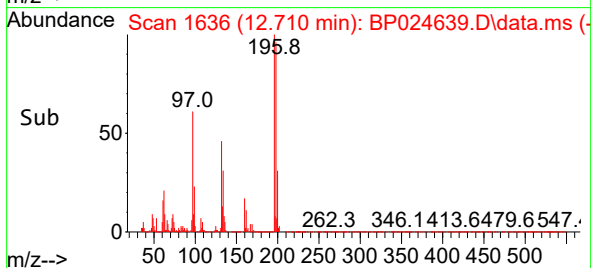
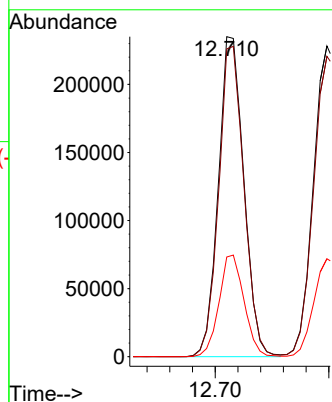
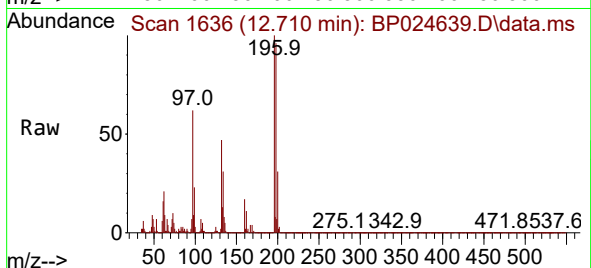
Tgt Ion:196 Resp: 366355

Ion Ratio Lower Upper

196 100

198 96.2 76.9 115.3

200 31.1 25.2 37.8



#44

2,4,5-Trichlorophenol

Concen: 50.924 ng

RT: 12.798 min Scan# 1651

Delta R.T. -0.000 min

Lab File: BP024639.D

Acq: 15 May 2025 15:59

Tgt Ion:196 Resp: 400383

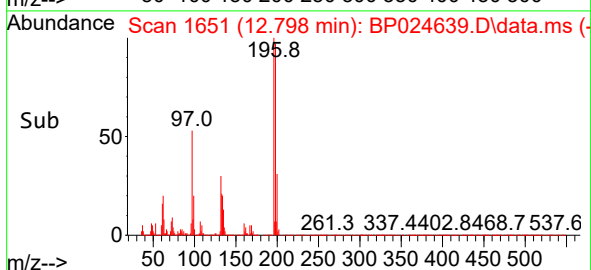
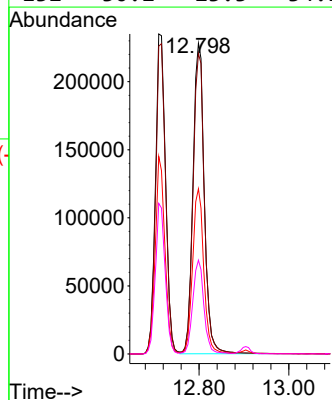
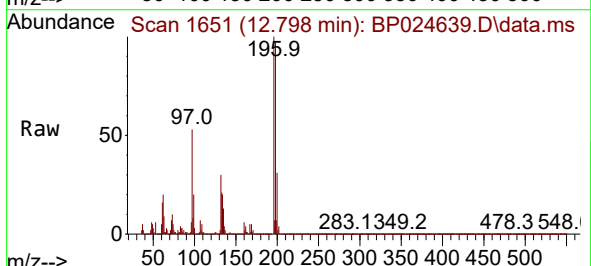
Ion Ratio Lower Upper

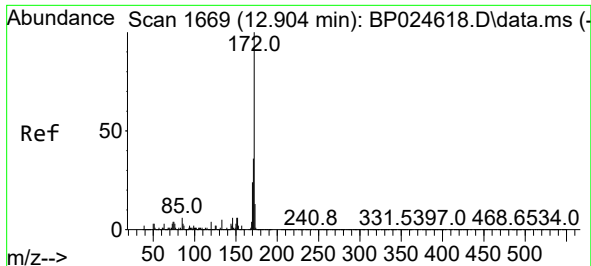
196 100

198 96.7 79.2 118.8

97 53.1 42.3 63.5

132 30.2 23.3 34.9

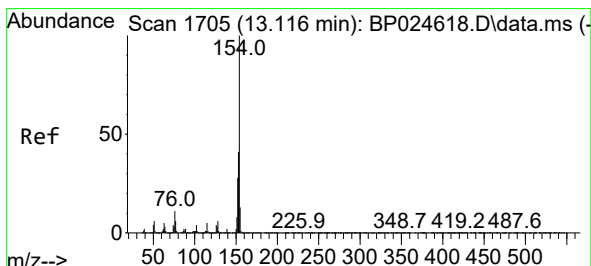
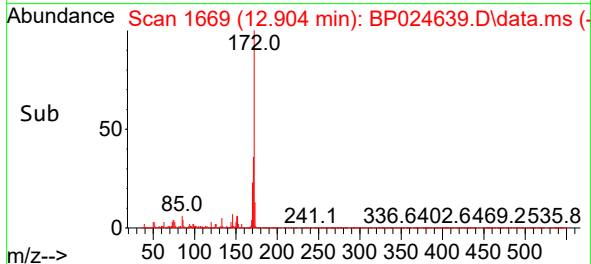
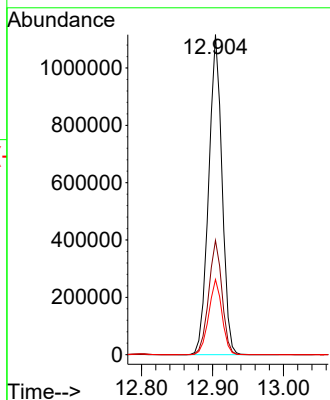
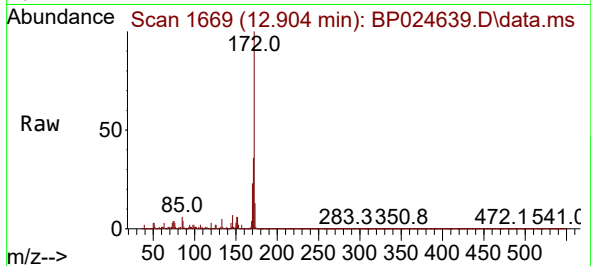




#45
2-Fluorobiphenyl
Concen: 50.869 ng
RT: 12.904 min Scan# 1669
Delta R.T. -0.000 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

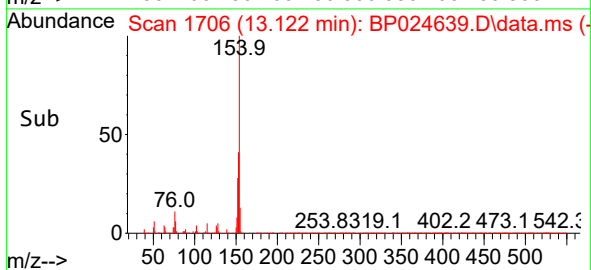
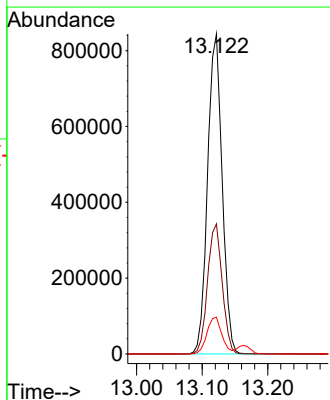
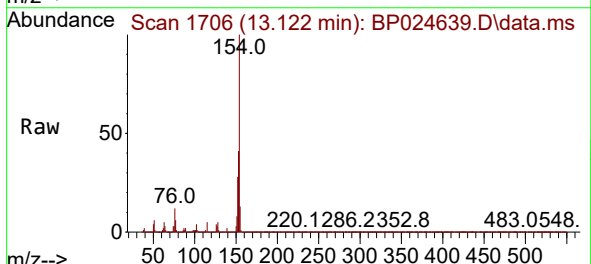
Instrument :
BNA_P
ClientSampleId :
TP-13MSD

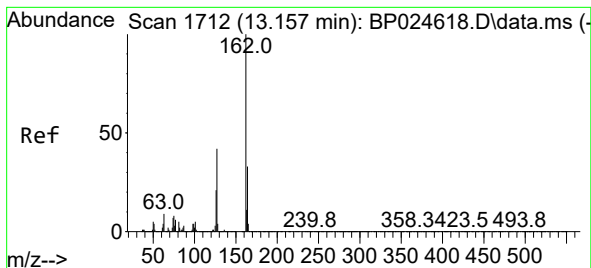
Tgt Ion:172 Resp: 1458091
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 23.5 18.8 28.2



#46
1,1'-Biphenyl
Concen: 46.972 ng
RT: 13.122 min Scan# 1706
Delta R.T. 0.006 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

Tgt Ion:154 Resp: 1303750
Ion Ratio Lower Upper
154 100
153 40.6 21.0 61.0
76 11.5 0.0 31.5





#47

2-Chloronaphthalene

Concen: 47.093 ng

RT: 13.163 min Scan# 11

Delta R.T. 0.006 min

Lab File: BP024639.D

Acq: 15 May 2025 15:59

Instrument :

BNA_P

ClientSampleId :

TP-13MSD

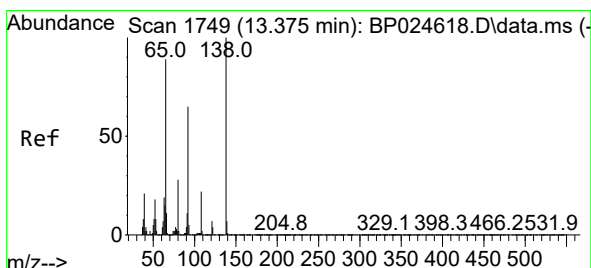
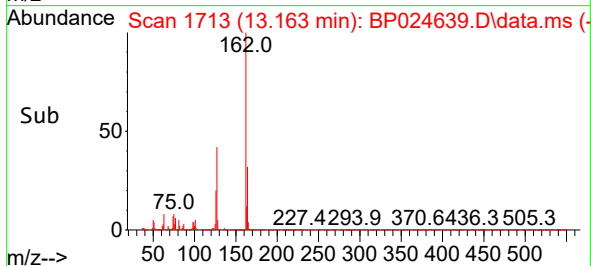
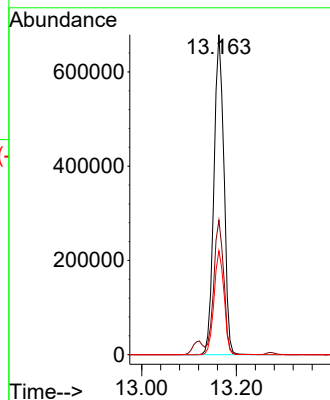
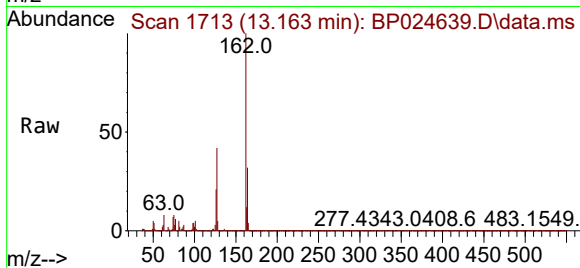
Tgt Ion:162 Resp: 996633

Ion Ratio Lower Upper

162 100

127 42.0 33.8 50.6

164 32.5 26.0 39.0



#48

2-Nitroaniline

Concen: 49.562 ng

RT: 13.369 min Scan# 1748

Delta R.T. -0.006 min

Lab File: BP024639.D

Acq: 15 May 2025 15:59

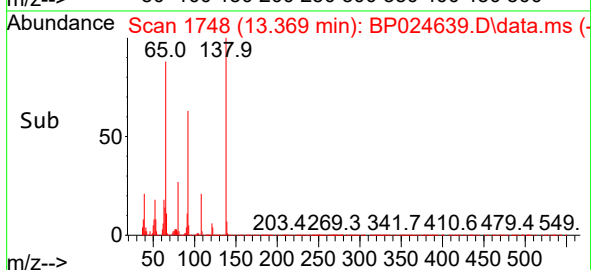
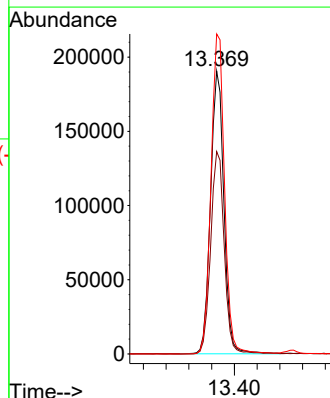
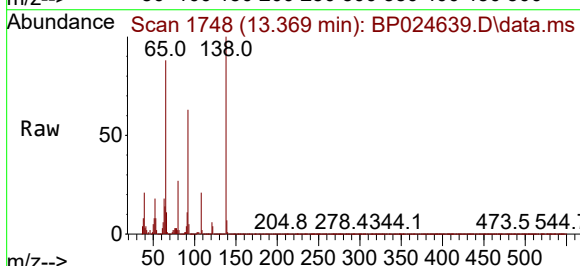
Tgt Ion: 65 Resp: 310532

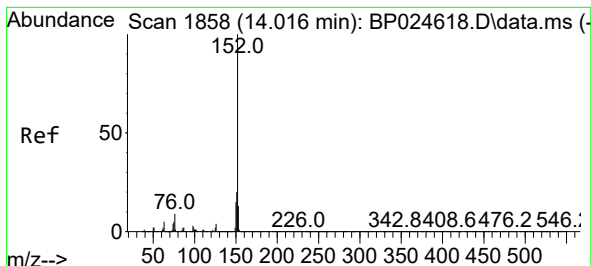
Ion Ratio Lower Upper

65 100

92 71.6 58.7 88.1

138 113.1 90.2 135.2





#49

Acenaphthylene

Concen: 45.817 ng

RT: 14.016 min Scan# 1858

Delta R.T. -0.000 min

Lab File: BP024639.D

Acq: 15 May 2025 15:59

Instrument :

BNA_P

ClientSampleId :

TP-13MSD

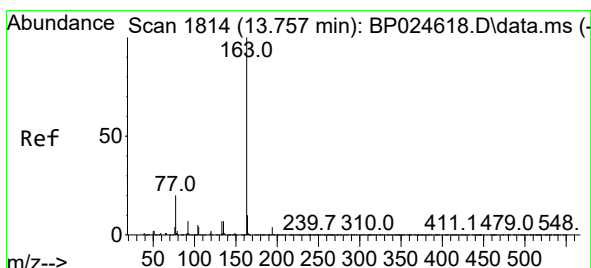
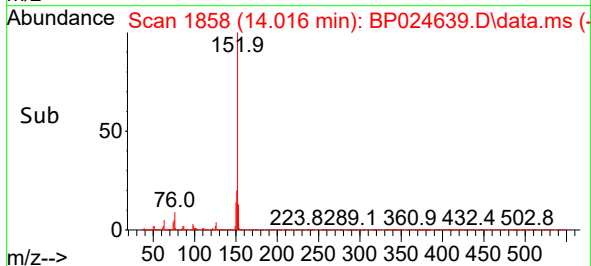
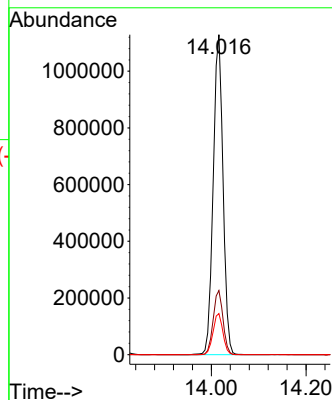
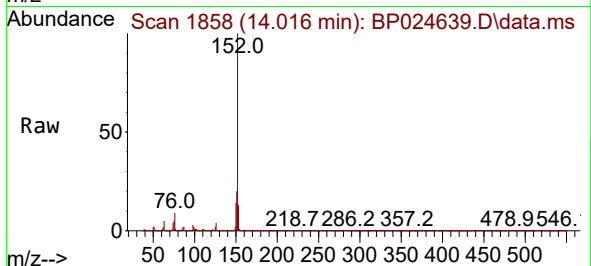
Tgt Ion:152 Resp: 1622651

Ion Ratio Lower Upper

152 100

151 20.0 16.2 24.4

153 12.9 10.2 15.4



#50

Dimethylphthalate

Concen: 45.149 ng

RT: 13.757 min Scan# 1814

Delta R.T. -0.000 min

Lab File: BP024639.D

Acq: 15 May 2025 15:59

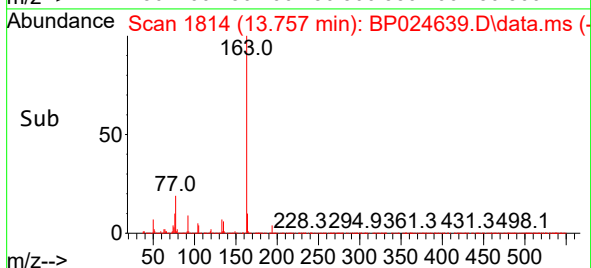
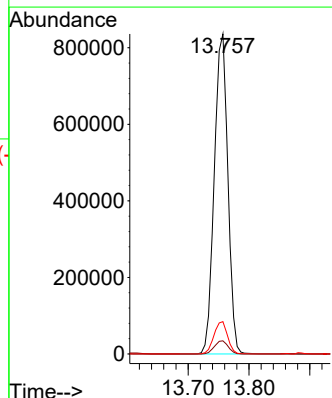
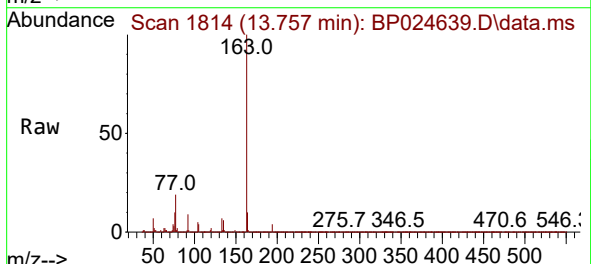
Tgt Ion:163 Resp: 1292316

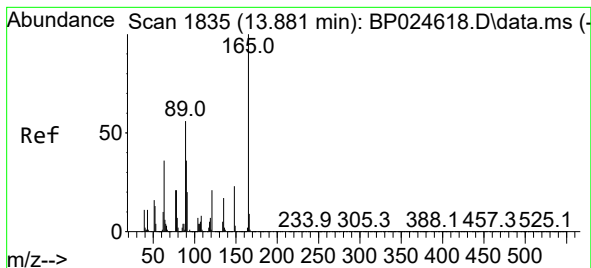
Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.0

164 10.1 8.1 12.1

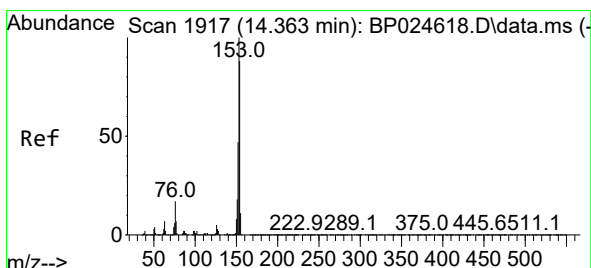
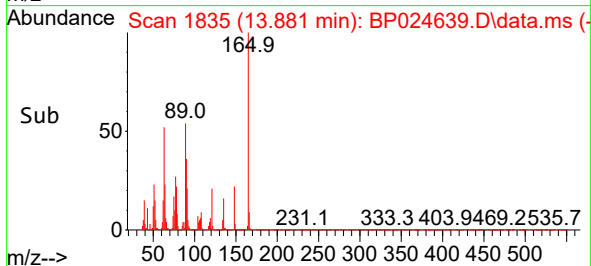
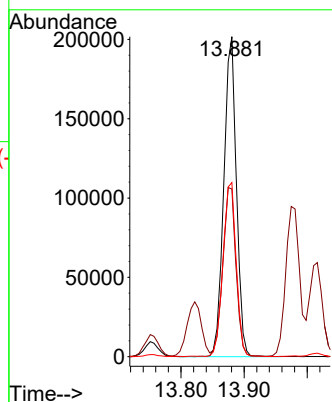
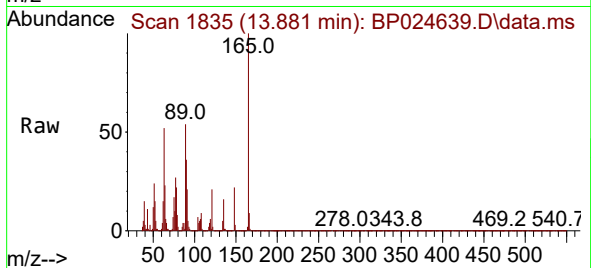




#51
2,6-Dinitrotoluene
Concen: 46.267 ng
RT: 13.881 min Scan# 1835
Delta R.T. -0.000 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

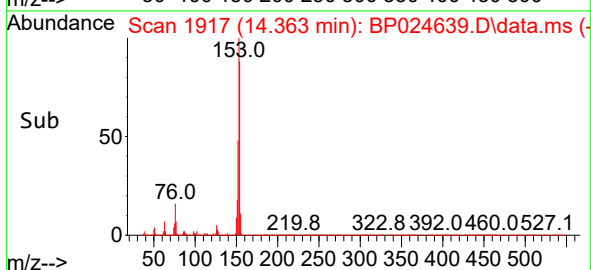
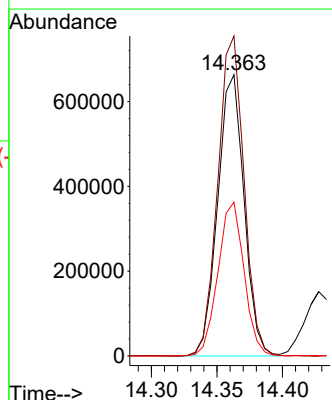
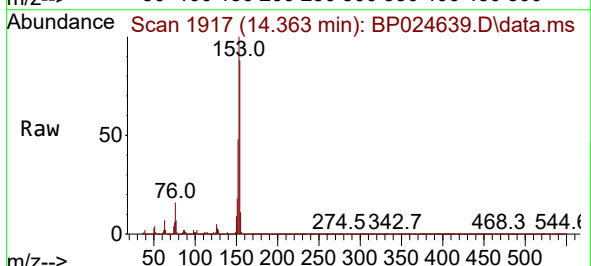
Instrument :
BNA_P
ClientSampleId :
TP-13MSD

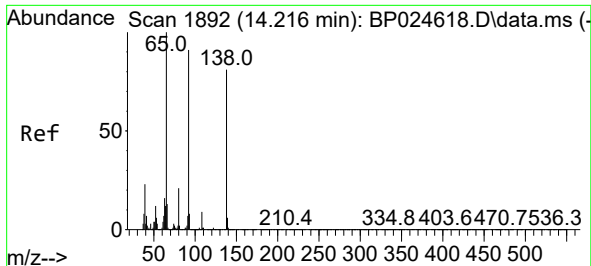
Tgt Ion:165 Resp: 279686
Ion Ratio Lower Upper
165 100
63 52.4 42.4 63.6
89 54.4 44.8 67.2



#52
Acenaphthene
Concen: 45.533 ng
RT: 14.363 min Scan# 1917
Delta R.T. -0.000 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

Tgt Ion:154 Resp: 927052
Ion Ratio Lower Upper
154 100
153 113.8 91.0 136.4
152 54.7 42.9 64.3

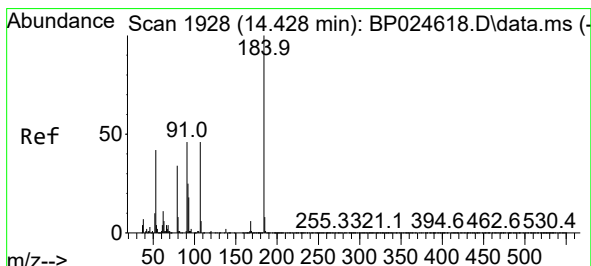
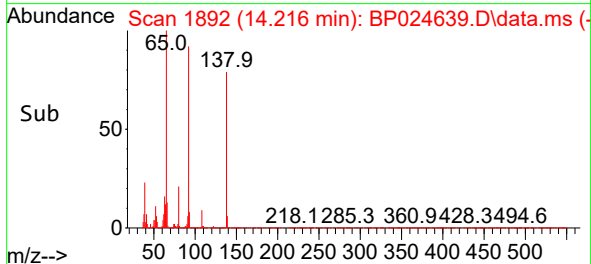
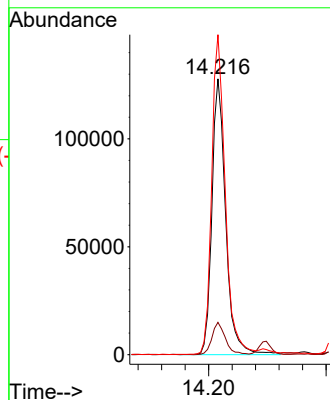
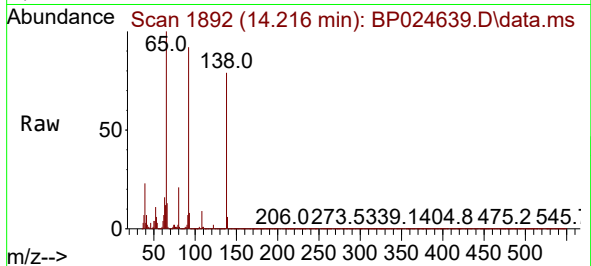




#53
3-Nitroaniline
Concen: 33.592 ng
RT: 14.216 min Scan# 1892
Delta R.T. -0.000 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

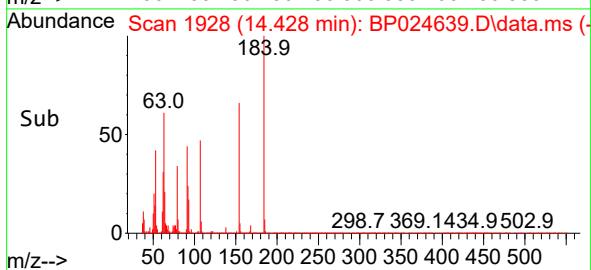
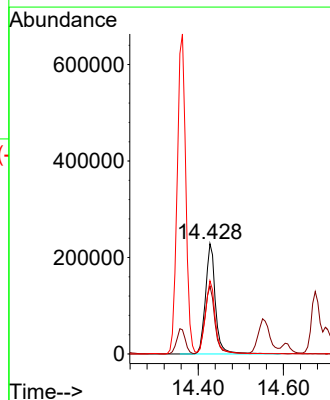
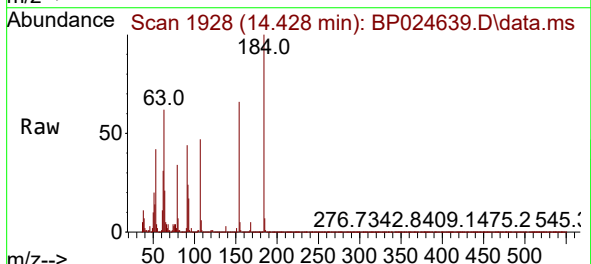
Instrument :
BNA_P
ClientSampleId :
TP-13MSD

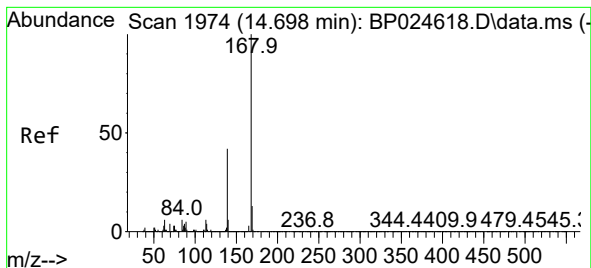
Tgt Ion:138 Resp: 207346
Ion Ratio Lower Upper
138 100
108 11.7 9.0 13.4
92 116.0 90.1 135.1



#54
2,4-Dinitrophenol
Concen: 95.940 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

Tgt Ion:184 Resp: 370998
Ion Ratio Lower Upper
184 100
63 61.6 51.3 76.9
154 66.3 53.5 80.3

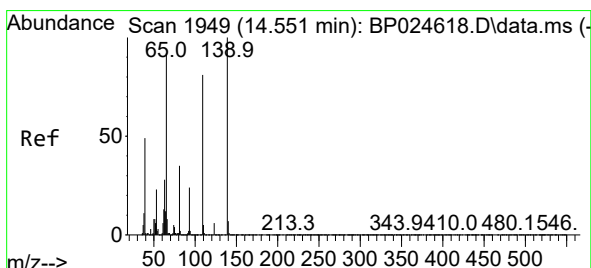
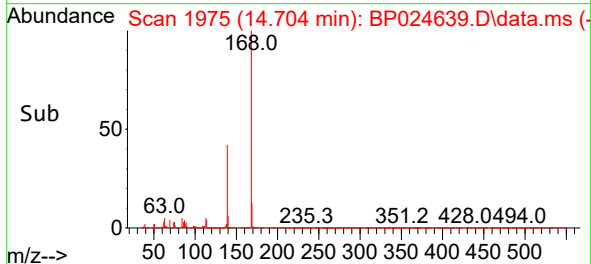
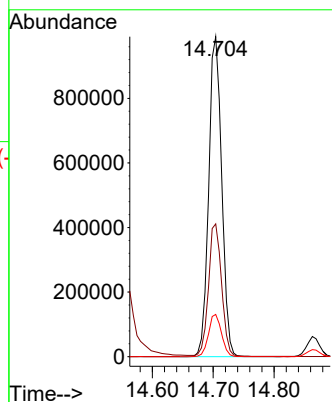
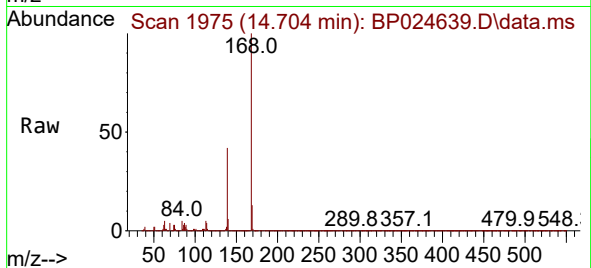




#55
Dibenzenofuran
Concen: 45.231 ng
RT: 14.704 min Scan# 1975
Delta R.T. 0.006 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

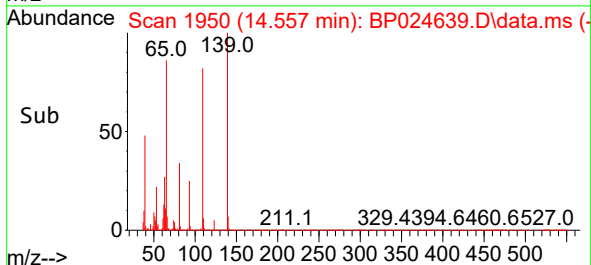
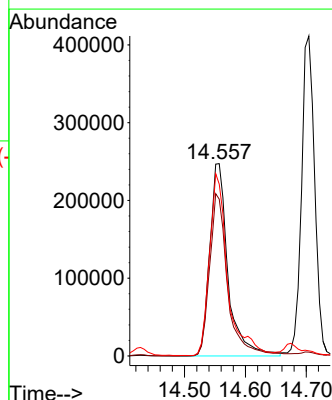
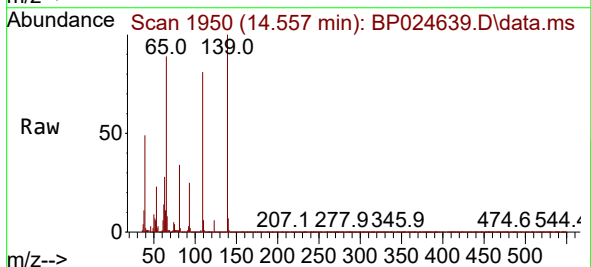
Instrument :
BNA_P
ClientSampleId :
TP-13MSD

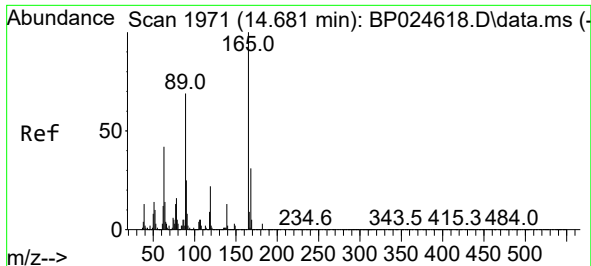
Tgt Ion:168 Resp: 1468896
Ion Ratio Lower Upper
168 100
139 41.5 34.2 51.4
169 13.2 10.8 16.2



#56
4-Nitrophenol
Concen: 95.730 ng
RT: 14.557 min Scan# 1950
Delta R.T. 0.006 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

Tgt Ion:139 Resp: 516252
Ion Ratio Lower Upper
139 100
109 81.5 61.4 101.4
65 89.3 72.2 112.2

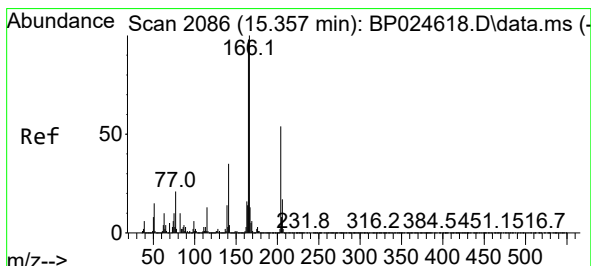
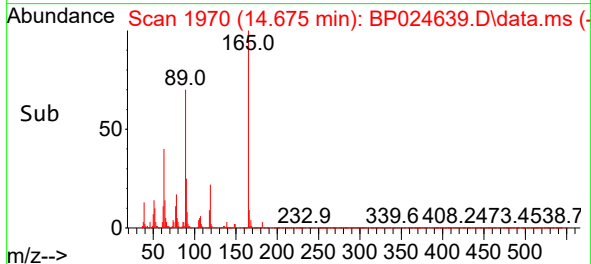
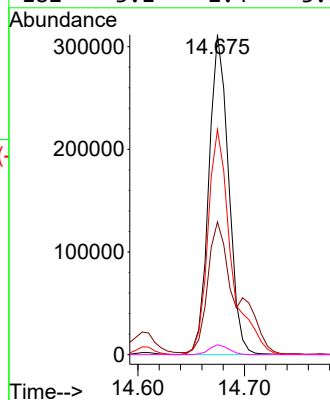
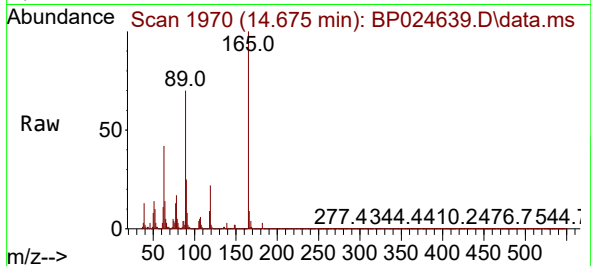




#57
2,4-Dinitrotoluene
Concen: 47.107 ng
RT: 14.675 min Scan# 1971
Delta R.T. -0.006 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

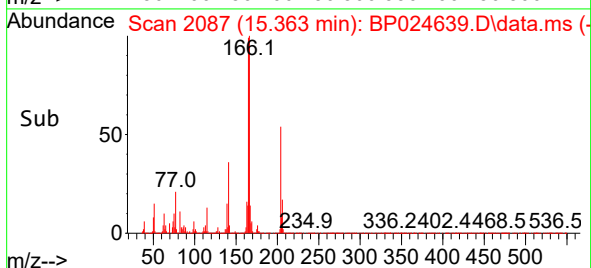
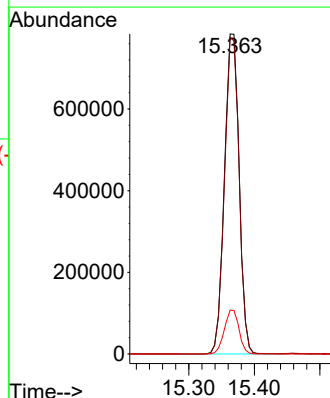
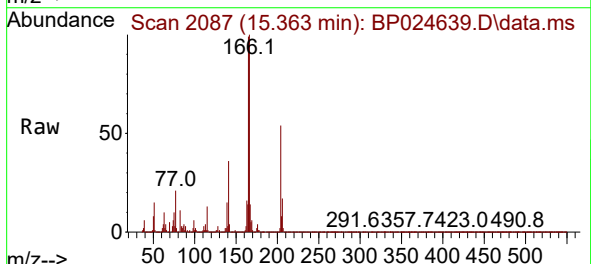
Instrument :
BNA_P
ClientSampleId :
TP-13MSD

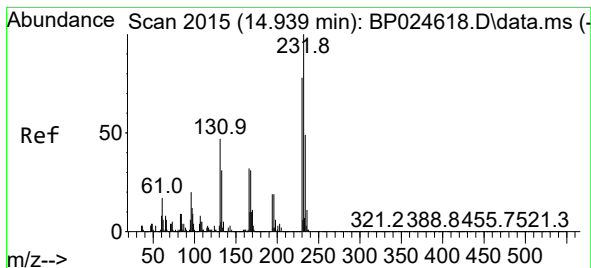
Tgt Ion:165 Resp: 401464
Ion Ratio Lower Upper
165 100
63 41.5 33.8 50.6
89 70.3 55.6 83.4
182 3.1 2.4 3.6



#58
Fluorene
Concen: 45.883 ng
RT: 15.363 min Scan# 2087
Delta R.T. 0.006 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

Tgt Ion:166 Resp: 1214988
Ion Ratio Lower Upper
166 100
165 99.0 78.5 117.7
167 13.7 10.7 16.1

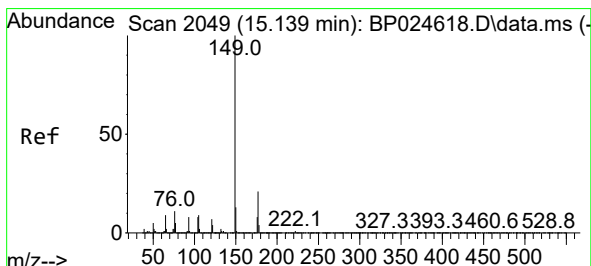
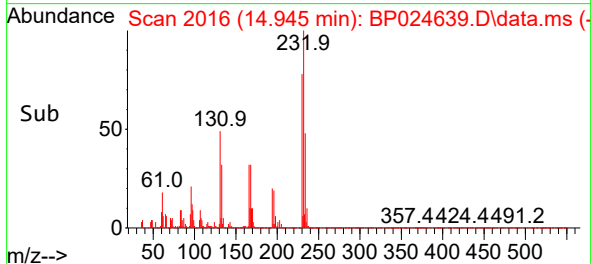
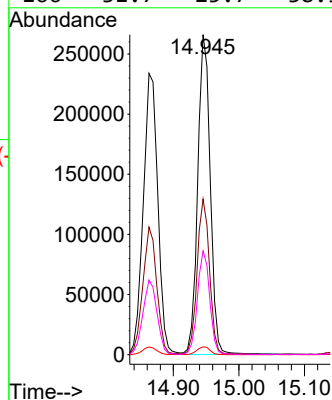
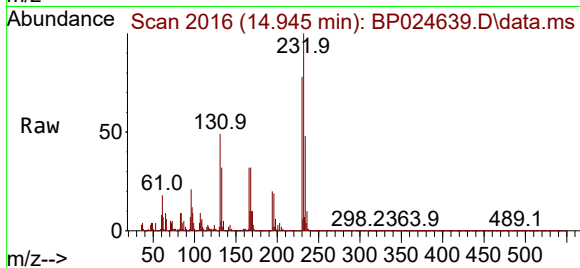




#59
2,3,4,6-Tetrachlorophenol
Concen: 48.402 ng
RT: 14.945 min Scan# 20
Delta R.T. 0.006 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

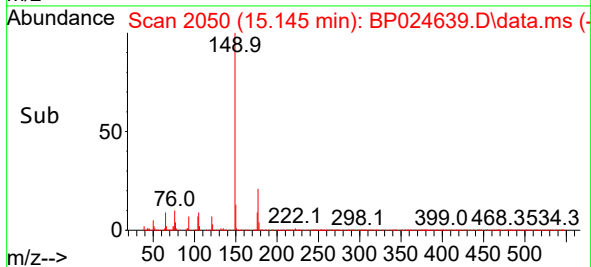
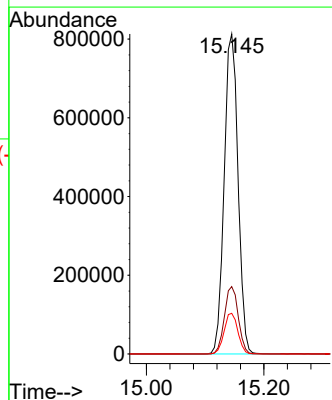
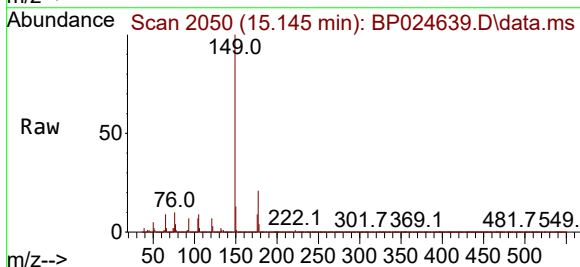
Instrument :
BNA_P
ClientSampleId :
TP-13MSD

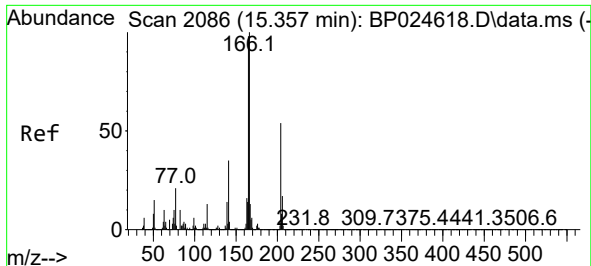
Tgt Ion:232 Resp: 353018
Ion Ratio Lower Upper
232 100
131 48.2 39.5 59.3
130 2.6 2.2 3.4
166 31.7 25.7 38.5



#60
Diethylphthalate
Concen: 45.812 ng
RT: 15.145 min Scan# 2050
Delta R.T. 0.006 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

Tgt Ion:149 Resp: 1325337
Ion Ratio Lower Upper
149 100
177 21.1 16.7 25.1
150 12.7 10.2 15.2

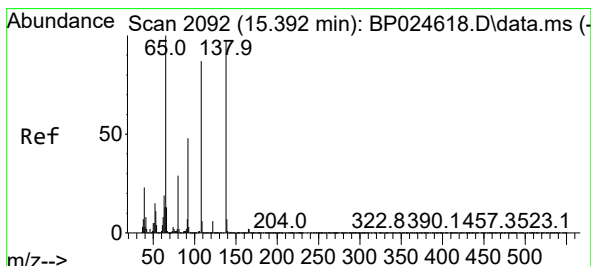
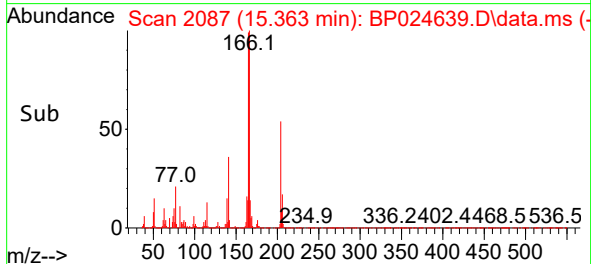
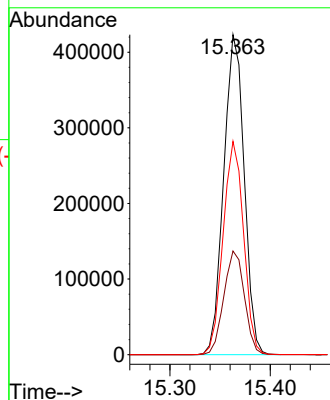
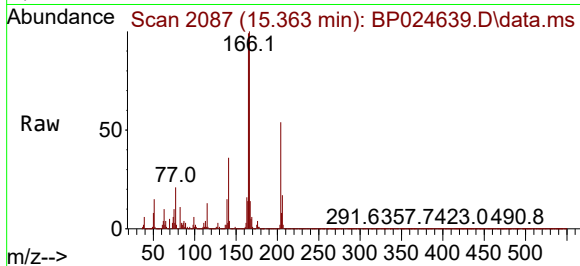




#61
4-Chlorophenyl-phenylether
Concen: 45.538 ng
RT: 15.363 min Scan# 2086
Delta R.T. 0.006 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

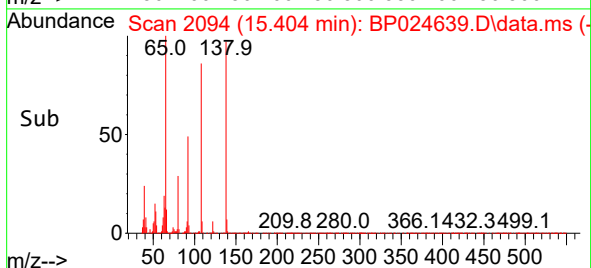
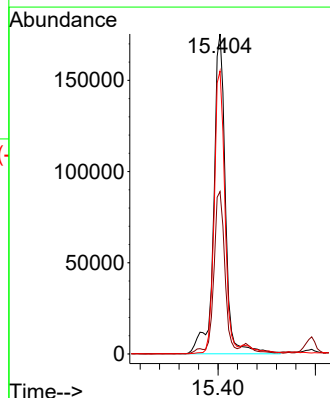
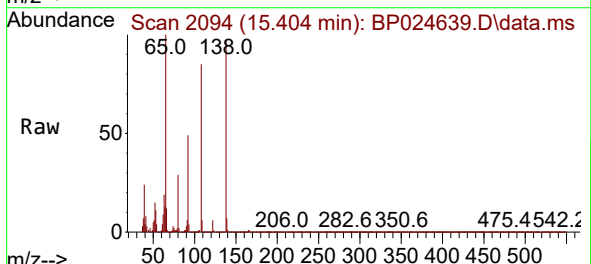
Instrument :
BNA_P
ClientSampleId :
TP-13MSD

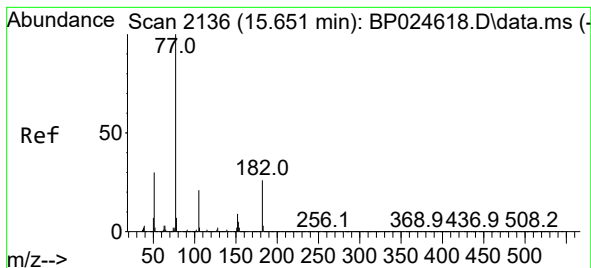
Tgt Ion:204 Resp: 601374
Ion Ratio Lower Upper
204 100
206 32.4 26.0 39.0
141 66.6 52.9 79.3



#62
4-Nitroaniline
Concen: 49.350 ng
RT: 15.404 min Scan# 2094
Delta R.T. 0.012 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

Tgt Ion:138 Resp: 294125
Ion Ratio Lower Upper
138 100
92 50.8 29.2 69.2
108 88.4 69.0 109.0





#63

Azobenzene

Concen: 49.848 ng

RT: 15.669 min Scan# 2136

Delta R.T. 0.018 min

Lab File: BP024639.D

Acq: 15 May 2025 15:59

Instrument :

BNA_P

ClientSampleId :

TP-13MSD

Tgt Ion: 77 Resp: 1233658

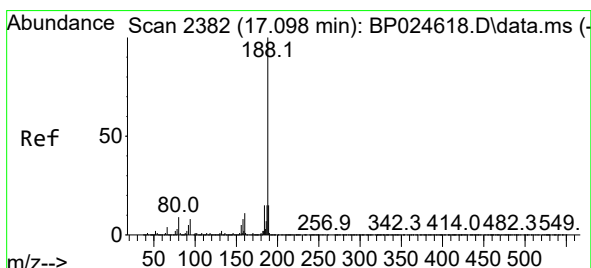
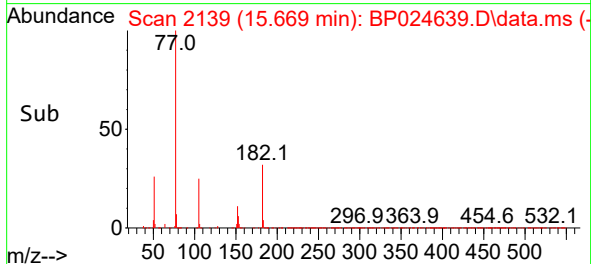
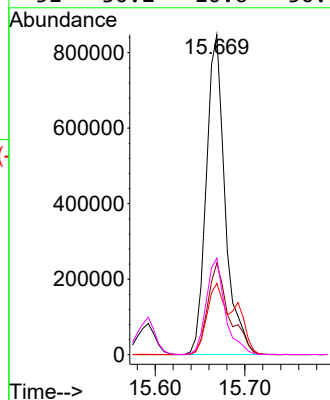
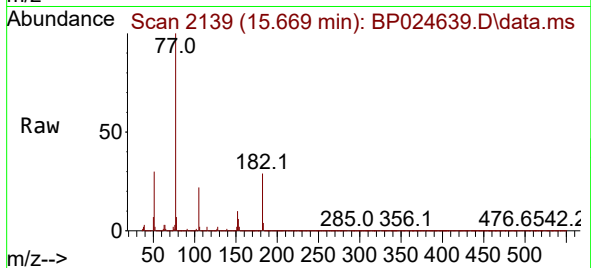
Ion Ratio Lower Upper

77 100

182 28.6 5.7 45.7

105 22.2 1.3 41.3

51 30.2 10.6 50.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.104 min Scan# 2383

Delta R.T. 0.006 min

Lab File: BP024639.D

Acq: 15 May 2025 15:59

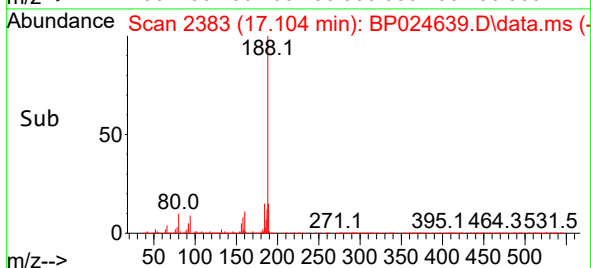
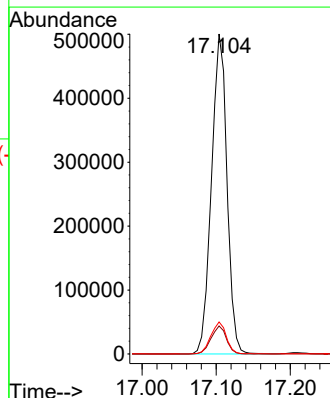
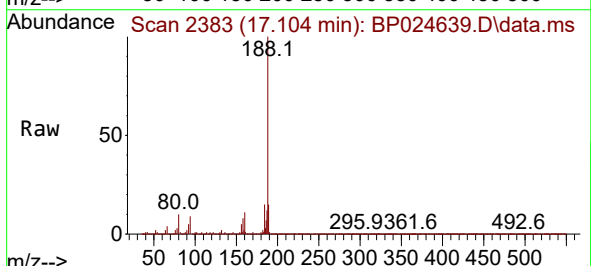
Tgt Ion:188 Resp: 726778

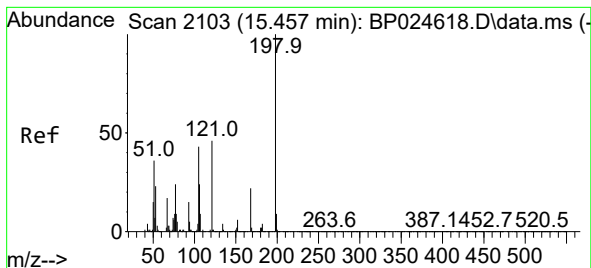
Ion Ratio Lower Upper

188 100

94 8.7 6.5 9.7

80 10.0 7.3 10.9

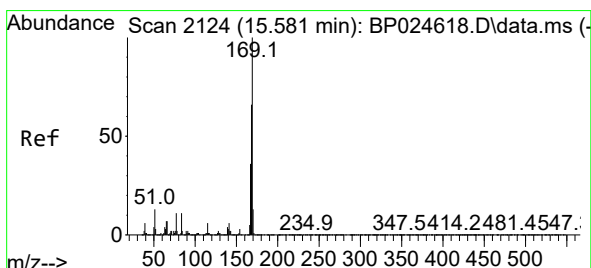
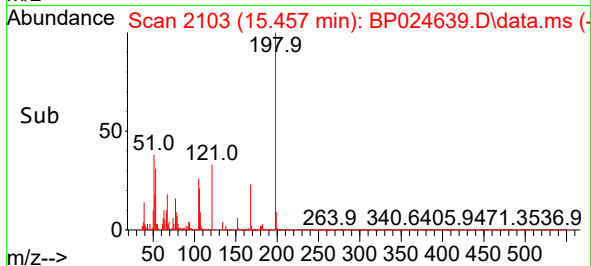
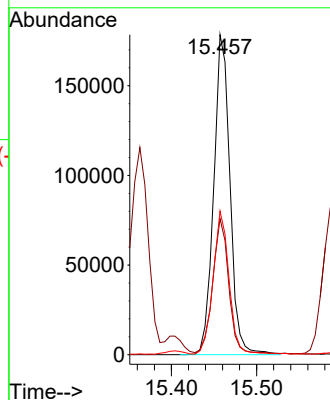
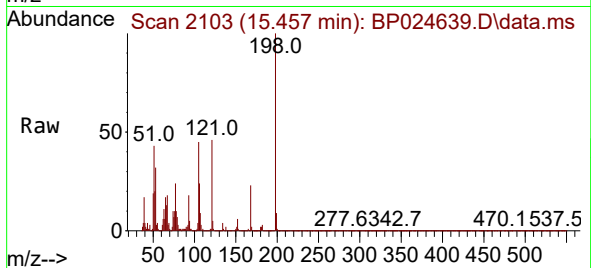




#65
4,6-Dinitro-2-methylphenol
Concen: 50.556 ng
RT: 15.457 min Scan# 2103
Delta R.T. -0.000 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

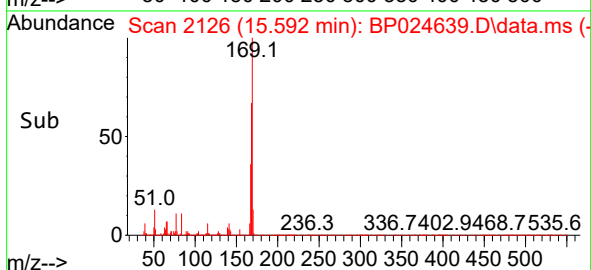
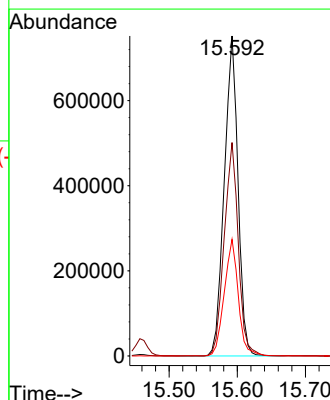
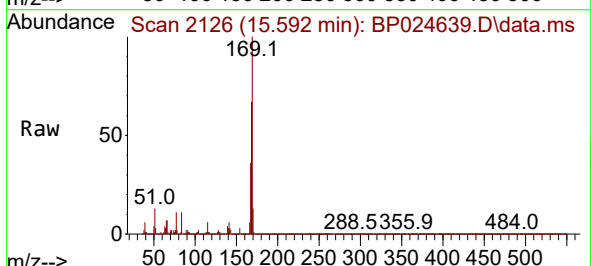
Instrument :
BNA_P
ClientSampleId :
TP-13MSD

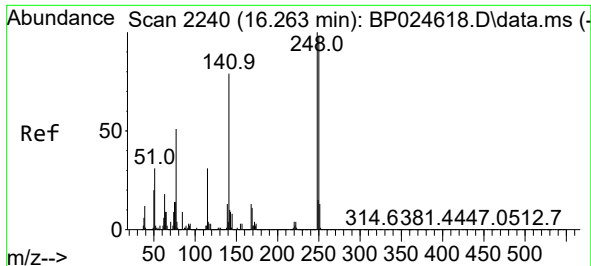
Tgt Ion:198 Resp: 237337
Ion Ratio Lower Upper
198 100
51 42.5 21.1 61.1
105 44.9 23.6 63.6



#66
n-Nitrosodiphenylamine
Concen: 47.126 ng
RT: 15.592 min Scan# 2126
Delta R.T. 0.012 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

Tgt Ion:169 Resp: 1052029
Ion Ratio Lower Upper
169 100
168 66.7 53.2 79.8
167 36.4 28.6 43.0

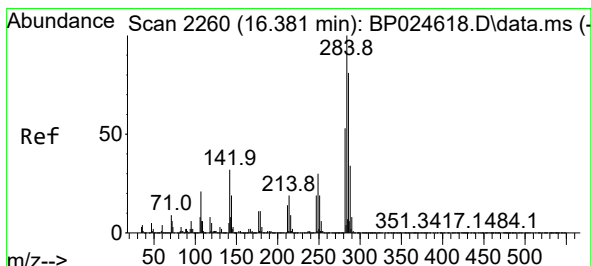
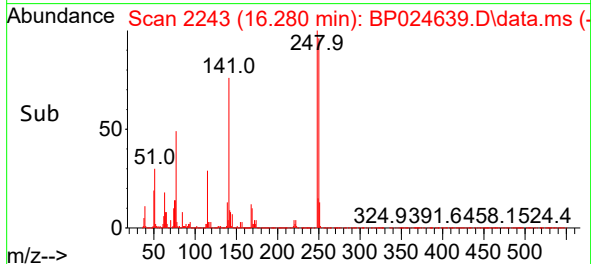
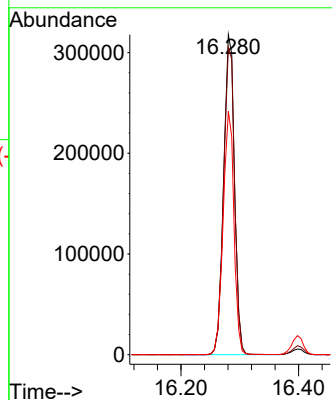
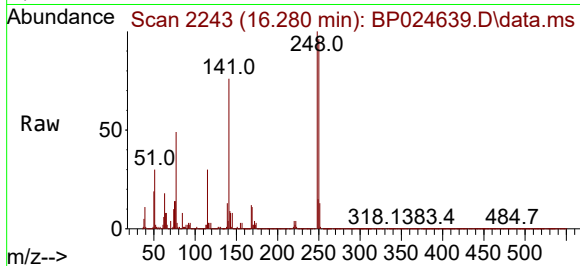




#67
4-Bromophenyl-phenylether
Concen: 47.731 ng
RT: 16.280 min Scan# 21
Delta R.T. 0.018 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

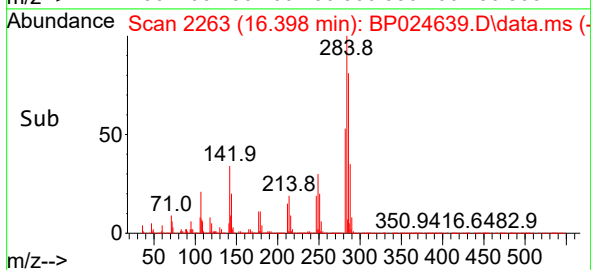
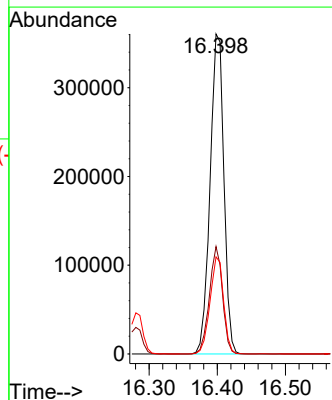
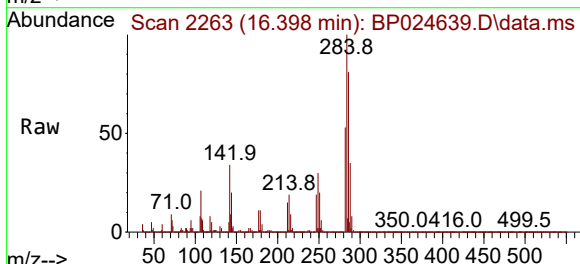
Instrument :
BNA_P
ClientSampleId :
TP-13MSD

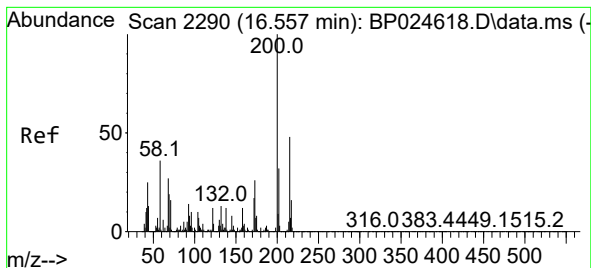
Tgt Ion:248 Resp: 408770
Ion Ratio Lower Upper
248 100
250 96.1 78.2 117.4
141 76.1 63.0 94.6



#68
Hexachlorobenzene
Concen: 46.695 ng
RT: 16.398 min Scan# 2263
Delta R.T. 0.018 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

Tgt Ion:284 Resp: 508136
Ion Ratio Lower Upper
284 100
142 33.5 25.9 38.9
249 30.4 24.1 36.1





#69

Atrazine

Concen: 47.576 ng

RT: 16.569 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP024639.D

Acq: 15 May 2025 15:59

Instrument :

BNA_P

ClientSampleId :

TP-13MSD

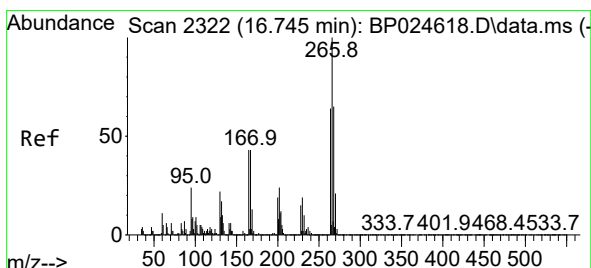
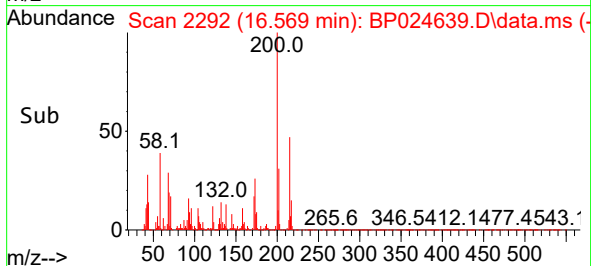
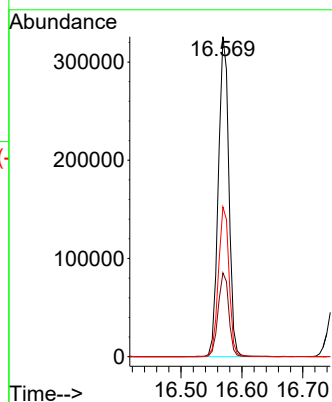
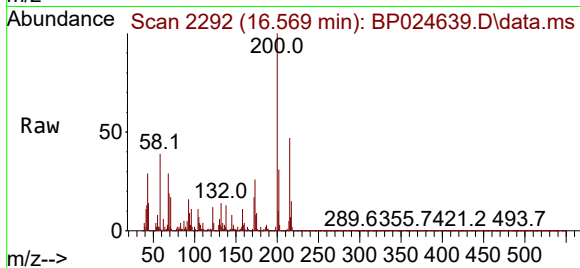
Tgt Ion:200 Resp: 389218

Ion Ratio Lower Upper

200 100

173 26.2 5.9 45.9

215 46.8 28.3 68.3



#70

Pentachlorophenol

Concen: 109.866 ng

RT: 16.757 min Scan# 2324

Delta R.T. 0.012 min

Lab File: BP024639.D

Acq: 15 May 2025 15:59

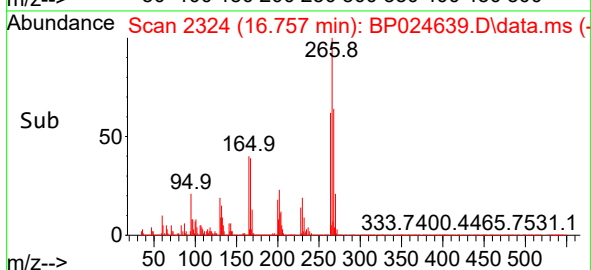
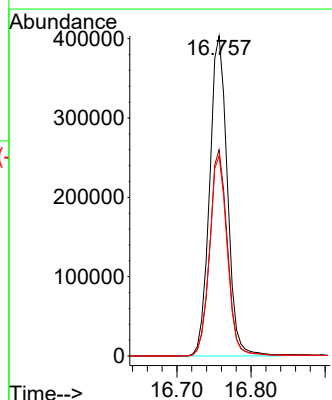
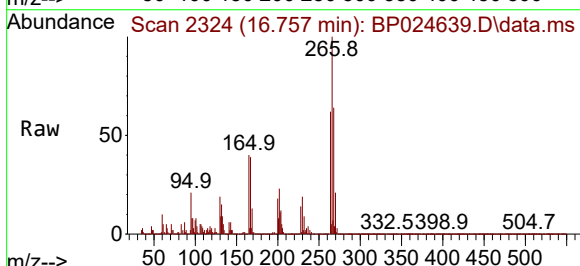
Tgt Ion:266 Resp: 671128

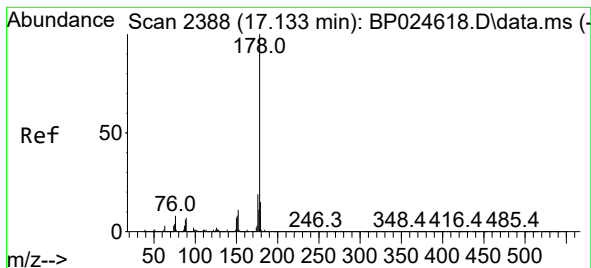
Ion Ratio Lower Upper

266 100

268 64.5 52.2 78.4

264 62.5 51.1 76.7





#71

Phenanthrene

Concen: 45.914 ng

RT: 17.151 min Scan# 21

Delta R.T. 0.018 min

Lab File: BP024639.D

Acq: 15 May 2025 15:59

Instrument :

BNA_P

ClientSampleId :

TP-13MSD

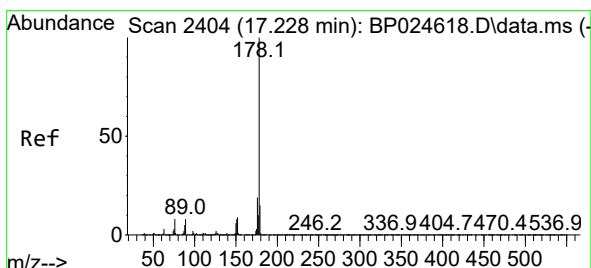
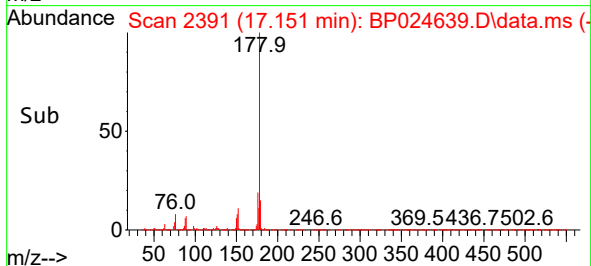
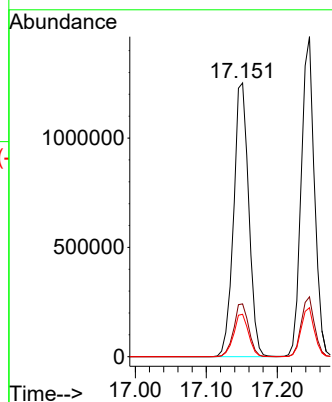
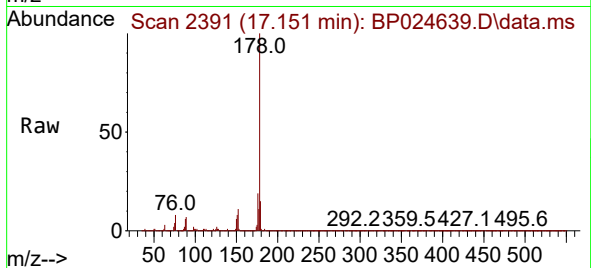
Tgt Ion:178 Resp: 1855042

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

179 15.5 12.2 18.4



#72

Anthracene

Concen: 46.501 ng

RT: 17.245 min Scan# 2407

Delta R.T. 0.018 min

Lab File: BP024639.D

Acq: 15 May 2025 15:59

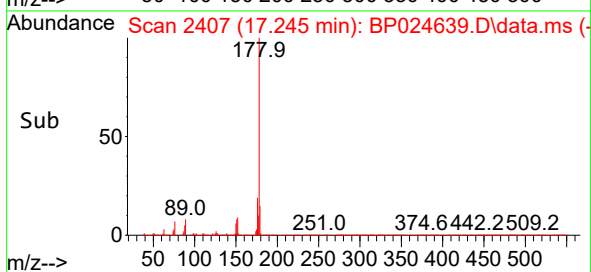
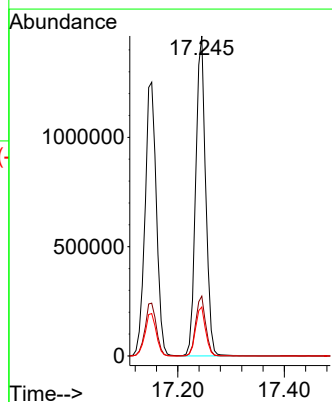
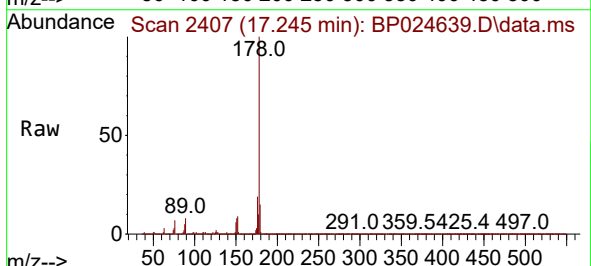
Tgt Ion:178 Resp: 1890233

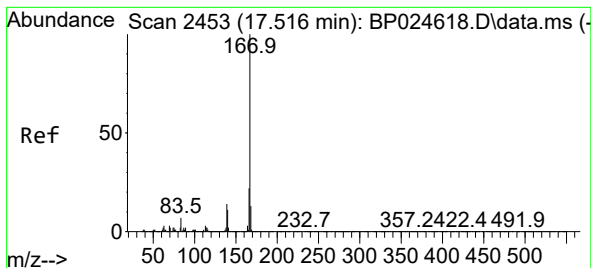
Ion Ratio Lower Upper

178 100

176 18.7 15.0 22.4

179 15.3 12.2 18.2





#73

Carbazole

Concen: 48.125 ng

RT: 17.522 min Scan# 2453

Delta R.T. 0.006 min

Lab File: BP024639.D

Acq: 15 May 2025 15:59

Instrument :

BNA_P

ClientSampleId :

TP-13MSD

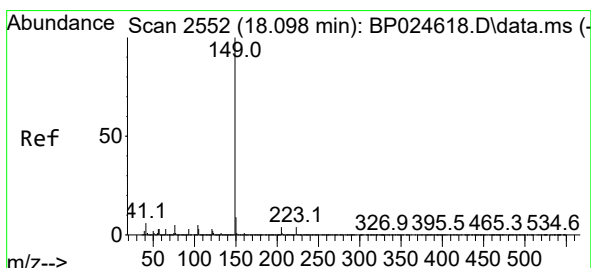
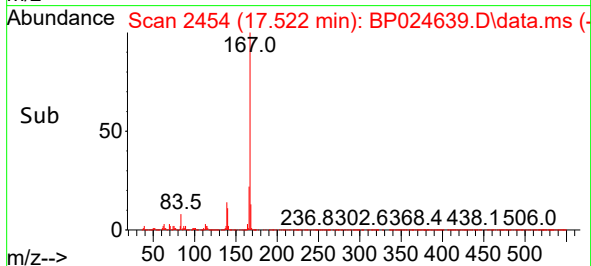
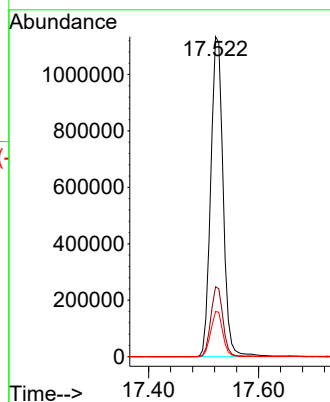
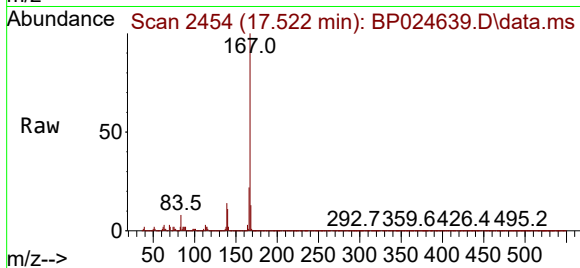
Tgt Ion:167 Resp: 1770616

Ion Ratio Lower Upper

167 100

166 21.8 17.7 26.5

139 14.1 11.3 16.9



#74

Di-n-butylphthalate

Concen: 48.711 ng

RT: 18.116 min Scan# 2555

Delta R.T. 0.018 min

Lab File: BP024639.D

Acq: 15 May 2025 15:59

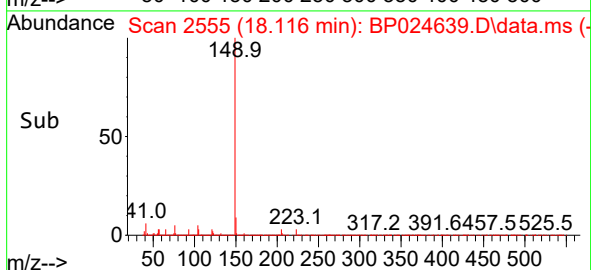
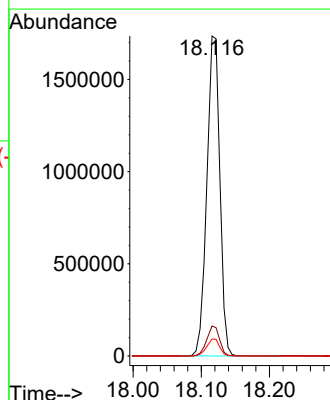
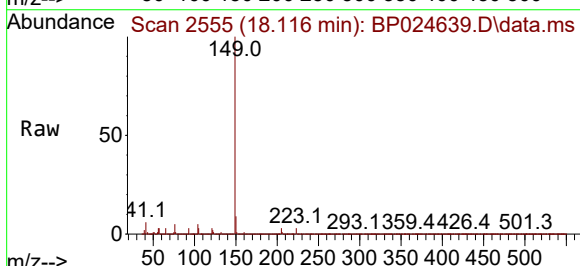
Tgt Ion:149 Resp: 2304897

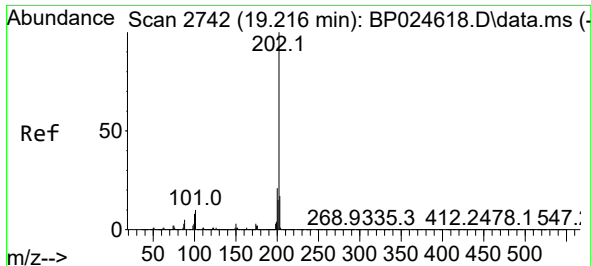
Ion Ratio Lower Upper

149 100

150 9.3 7.2 10.8

104 5.3 4.3 6.5

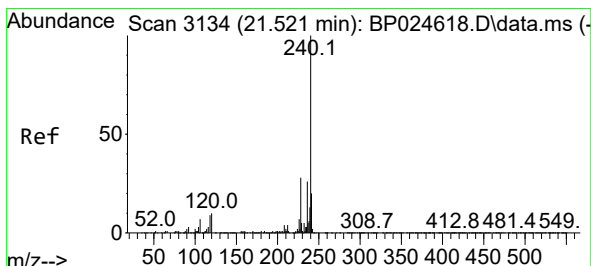
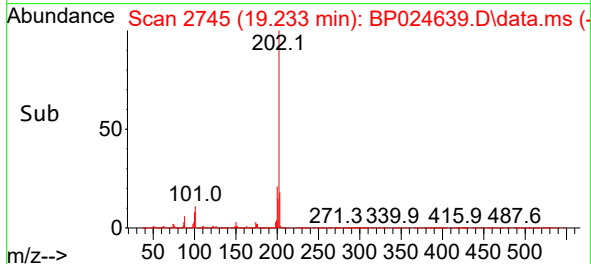
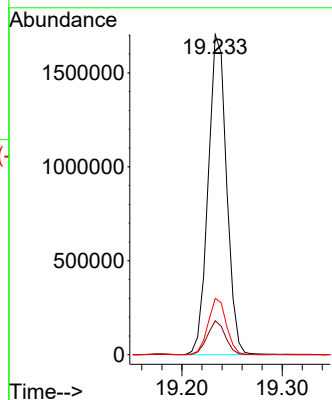
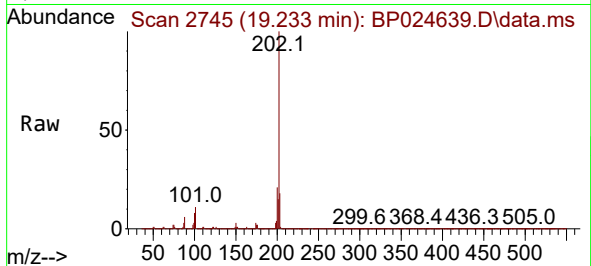




#75
Fluoranthene
Concen: 46.096 ng
RT: 19.233 min Scan# 21
Delta R.T. 0.018 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

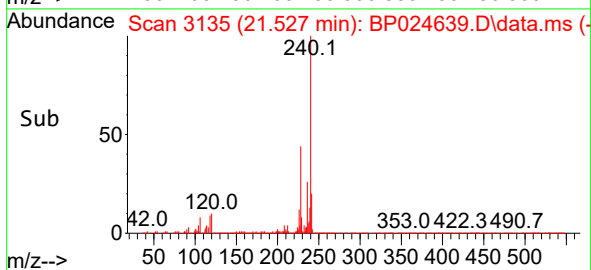
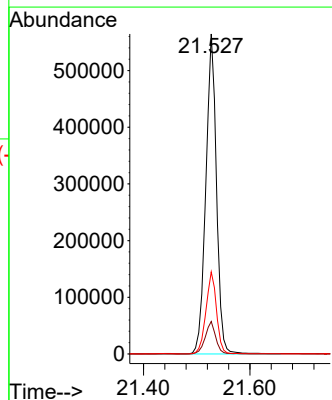
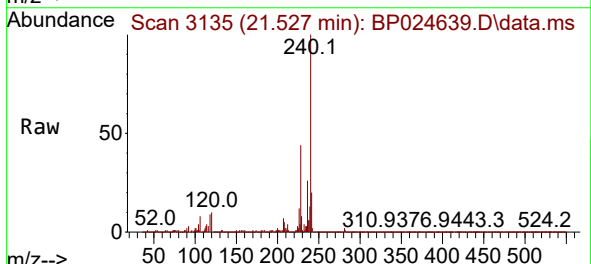
Instrument :
BNA_P
ClientSampleId :
TP-13MSD

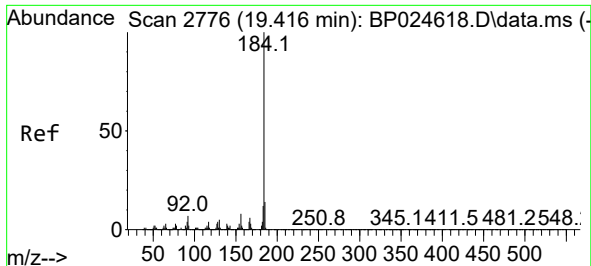
Tgt Ion:202 Resp: 2177024
Ion Ratio Lower Upper
202 100
101 10.6 0.0 30.3
203 17.6 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.527 min Scan# 3135
Delta R.T. 0.006 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

Tgt Ion:240 Resp: 785534
Ion Ratio Lower Upper
240 100
120 10.2 7.8 11.6
236 25.6 20.6 31.0

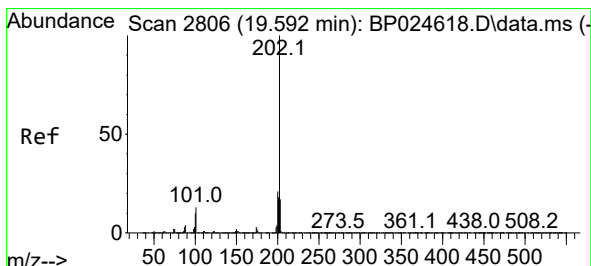
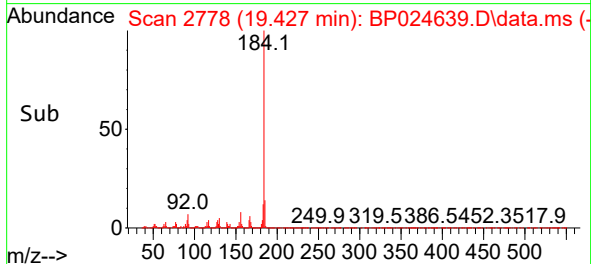
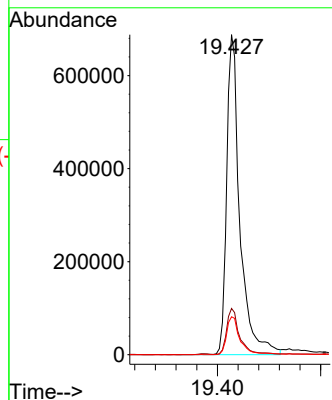
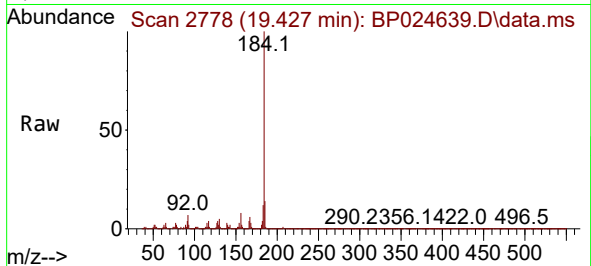




#77
Benzidine
Concen: 56.878 ng
RT: 19.427 min Scan# 21
Delta R.T. 0.011 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

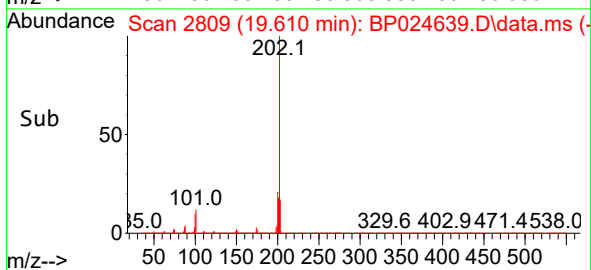
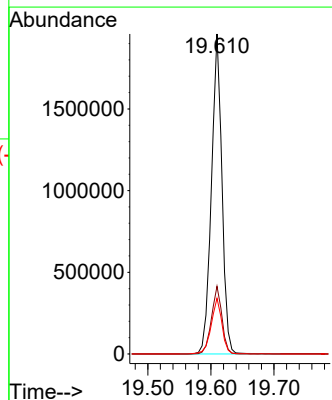
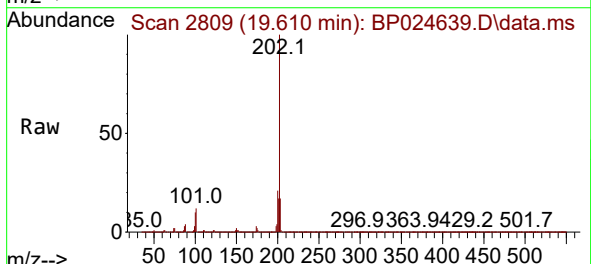
Instrument :
BNA_P
ClientSampleId :
TP-13MSD

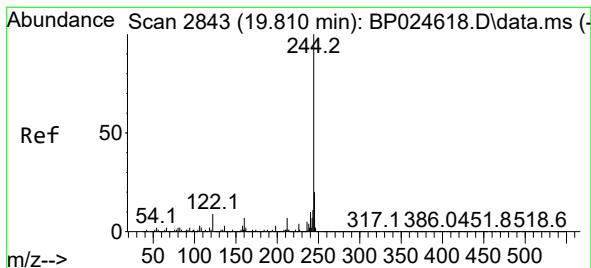
Tgt Ion:184 Resp: 1216882
Ion Ratio Lower Upper
184 100
185 14.4 11.2 16.8
183 11.9 9.8 14.8



#78
Pyrene
Concen: 47.874 ng
RT: 19.610 min Scan# 2809
Delta R.T. 0.018 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

Tgt Ion:202 Resp: 2253283
Ion Ratio Lower Upper
202 100
200 21.1 16.9 25.3
203 17.4 13.9 20.9





#79

Terphenyl-d14

Concen: 49.789 ng

RT: 19.821 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP024639.D

Acq: 15 May 2025 15:59

Instrument :

BNA_P

ClientSampleId :

TP-13MSD

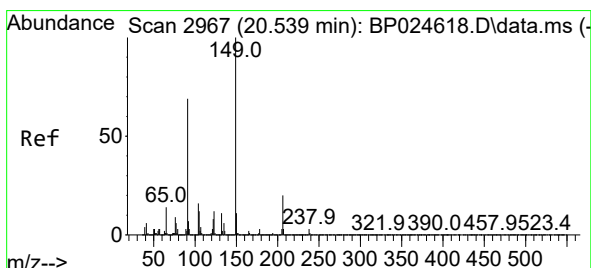
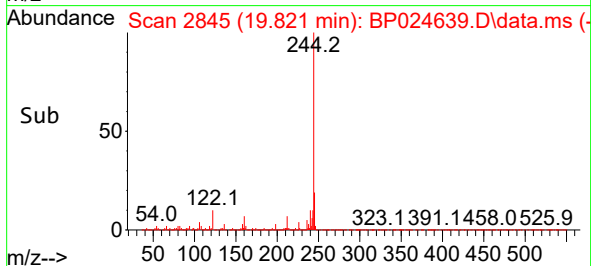
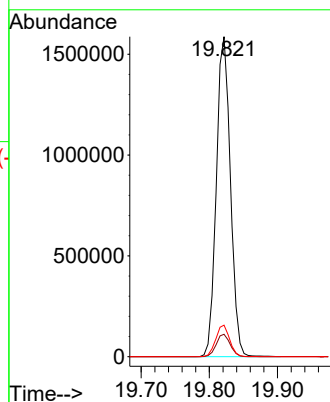
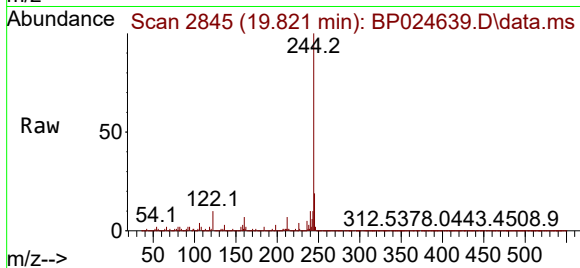
Tgt Ion:244 Resp: 2280930

Ion Ratio Lower Upper

244 100

212 7.0 5.5 8.3

122 9.9 7.4 11.0



#80

Butylbenzylphthalate

Concen: 50.684 ng

RT: 20.557 min Scan# 2970

Delta R.T. 0.018 min

Lab File: BP024639.D

Acq: 15 May 2025 15:59

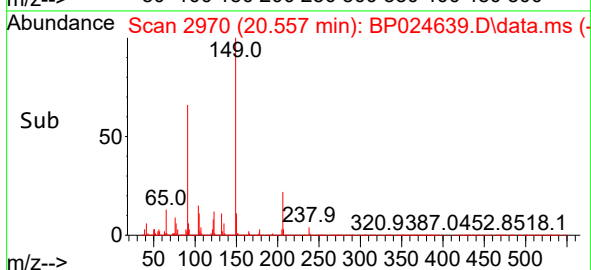
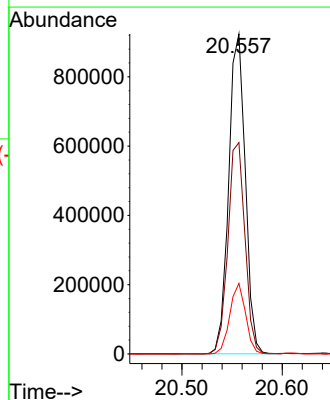
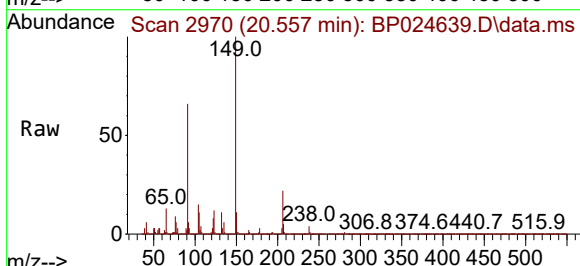
Tgt Ion:149 Resp: 1060952

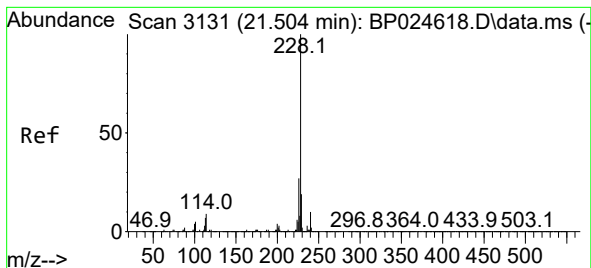
Ion Ratio Lower Upper

149 100

91 66.1 55.4 83.0

206 22.1 16.2 24.2





#81

Benzo(a)anthracene

Concen: 47.414 ng

RT: 21.510 min Scan# 3131

Delta R.T. 0.006 min

Lab File: BP024639.D

Acq: 15 May 2025 15:59

Instrument :

BNA_P

ClientSampleId :

TP-13MSD

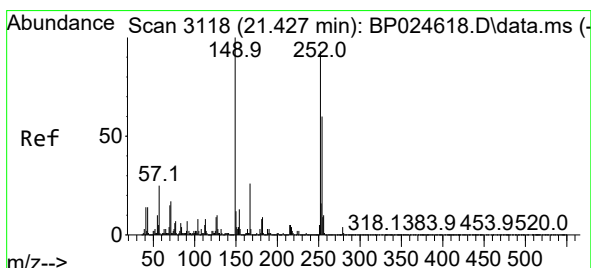
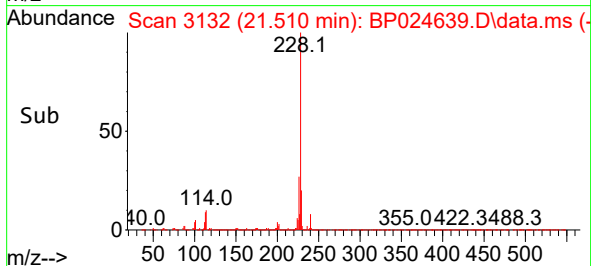
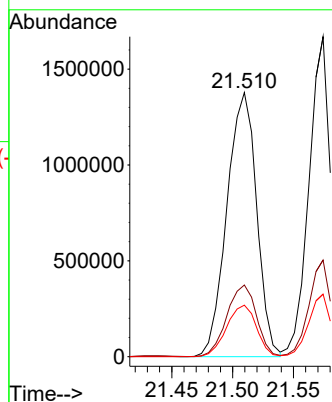
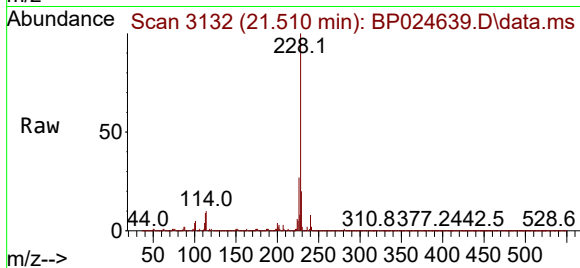
Tgt Ion:228 Resp: 2338691

Ion Ratio Lower Upper

228 100

226 27.1 21.4 32.0

229 19.5 15.5 23.3



#82

3,3'-Dichlorobenzidine

Concen: 33.999 ng

RT: 21.439 min Scan# 3120

Delta R.T. 0.012 min

Lab File: BP024639.D

Acq: 15 May 2025 15:59

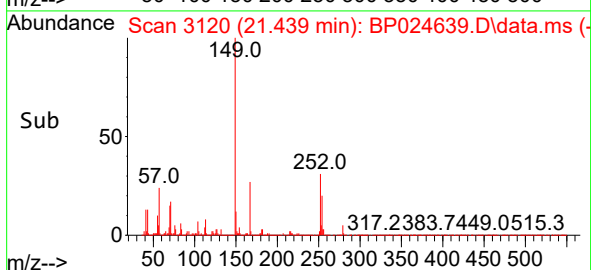
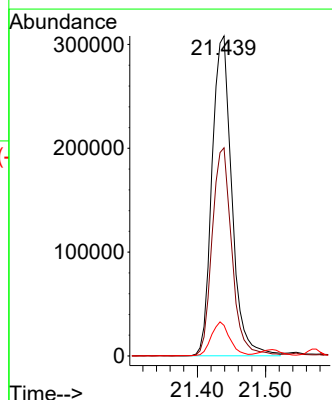
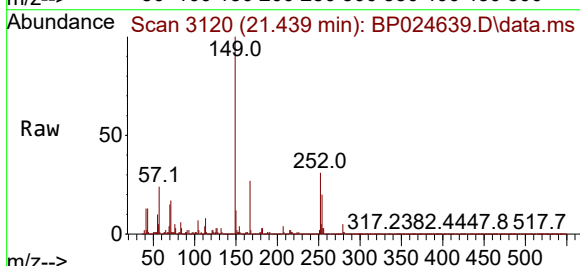
Tgt Ion:252 Resp: 622869

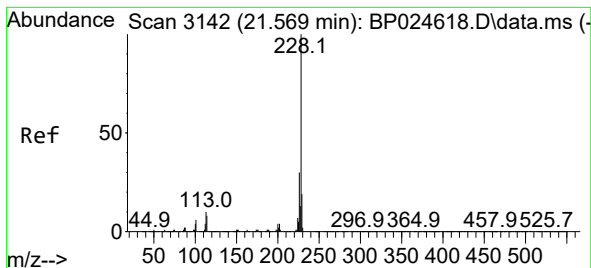
Ion Ratio Lower Upper

252 100

254 65.1 51.8 77.6

126 9.6 7.7 11.5





#83

Chrysene

Concen: 46.609 ng

RT: 21.574 min Scan# 3142

Delta R.T. 0.006 min

Lab File: BP024639.D

Acq: 15 May 2025 15:59

Instrument :

BNA_P

ClientSampleId :

TP-13MSD

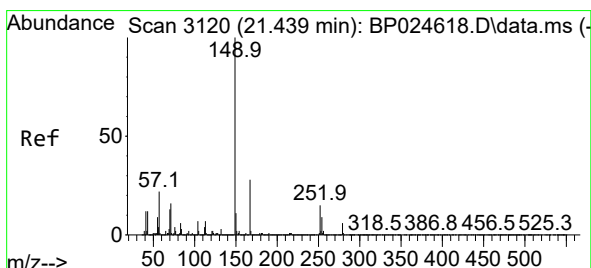
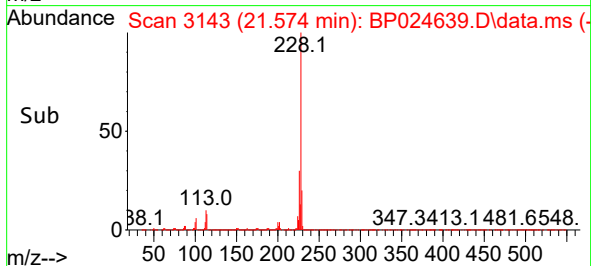
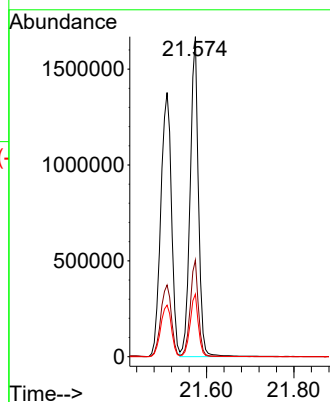
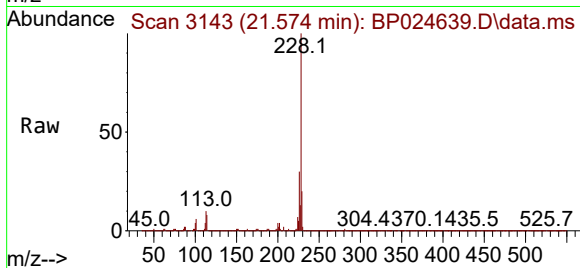
Tgt Ion:228 Resp: 2179347

Ion Ratio Lower Upper

228 100

226 30.2 23.9 35.9

229 19.6 15.5 23.3



#84

Bis(2-ethylhexyl)phthalate

Concen: 49.165 ng

RT: 21.445 min Scan# 3121

Delta R.T. 0.006 min

Lab File: BP024639.D

Acq: 15 May 2025 15:59

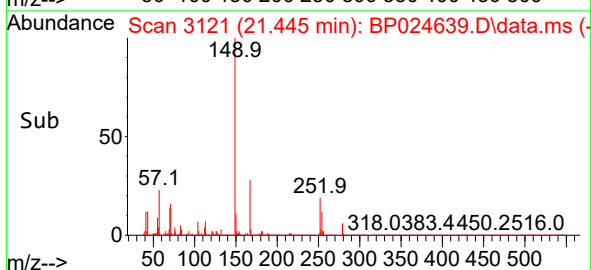
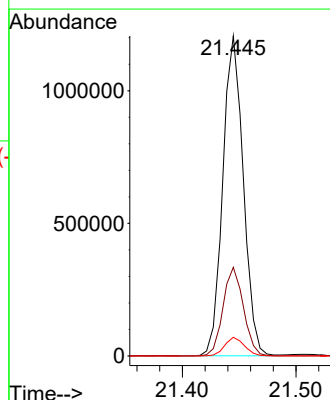
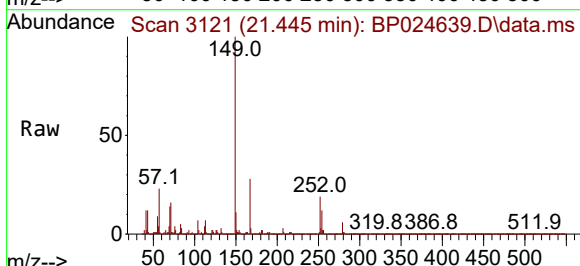
Tgt Ion:149 Resp: 1512698

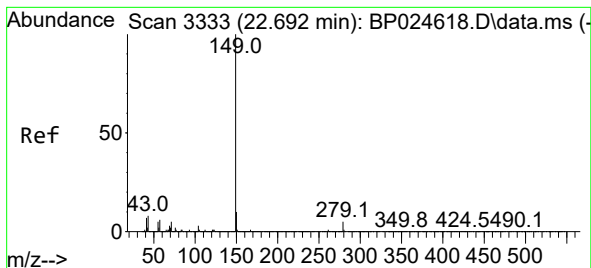
Ion Ratio Lower Upper

149 100

167 27.7 22.1 33.1

279 5.9 4.6 6.8





#85

Di-n-octyl phthalate

Concen: 50.745 ng

RT: 22.704 min Scan# 31

Delta R.T. 0.012 min

Lab File: BP024639.D

Acq: 15 May 2025 15:59

Instrument :

BNA_P

ClientSampleId :

TP-13MSD

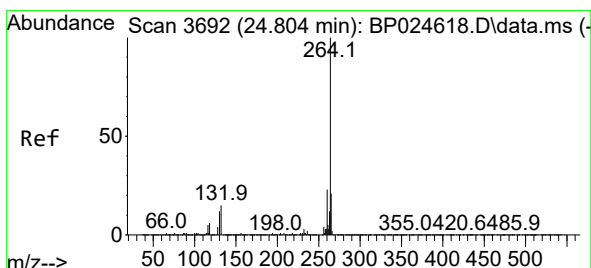
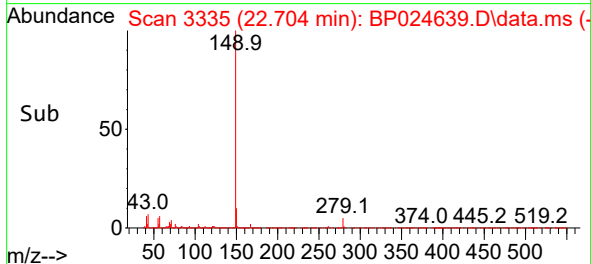
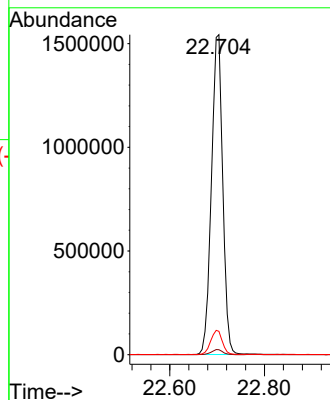
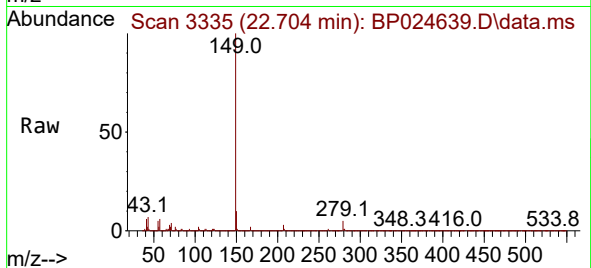
Tgt Ion:149 Resp: 2553144

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 7.7 6.3 9.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.798 min Scan# 3691

Delta R.T. -0.006 min

Lab File: BP024639.D

Acq: 15 May 2025 15:59

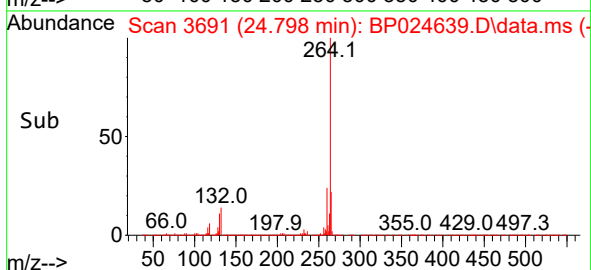
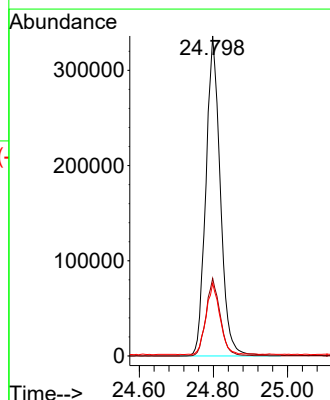
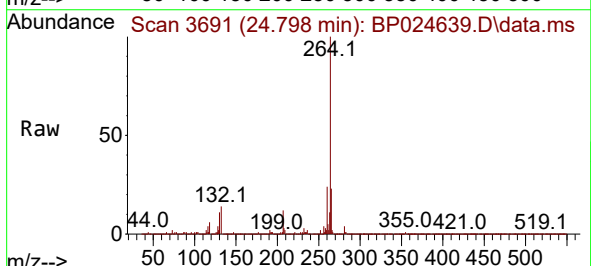
Tgt Ion:264 Resp: 909133

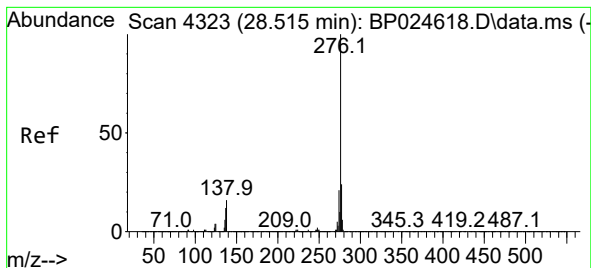
Ion Ratio Lower Upper

264 100

260 24.3 18.7 28.1

265 22.7 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 48.618 ng

RT: 28.521 min Scan# 41

Delta R.T. 0.006 min

Lab File: BP024639.D

Acq: 15 May 2025 15:59

Instrument :

BNA_P

ClientSampleId :

TP-13MSD

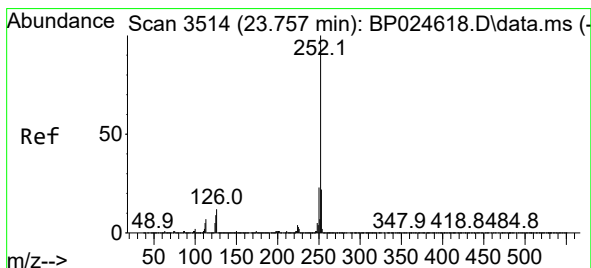
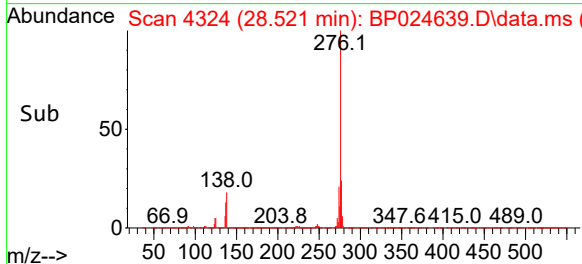
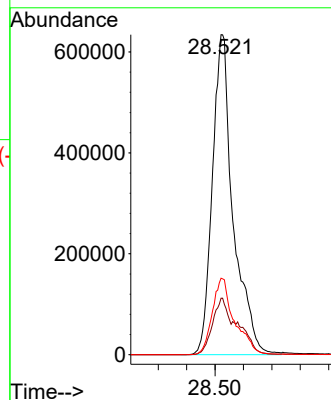
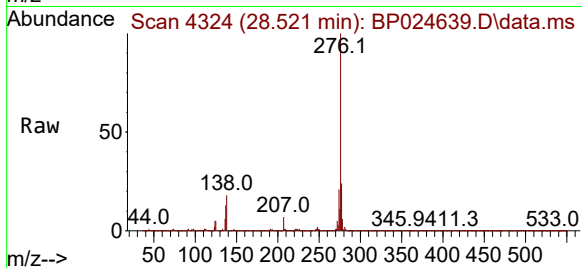
Tgt Ion:276 Resp: 3226858

Ion Ratio Lower Upper

276 100

138 21.0 11.2 16.8#

277 25.5 15.7 23.5#



#88

Benzo(b)fluoranthene

Concen: 47.594 ng

RT: 23.780 min Scan# 3518

Delta R.T. 0.023 min

Lab File: BP024639.D

Acq: 15 May 2025 15:59

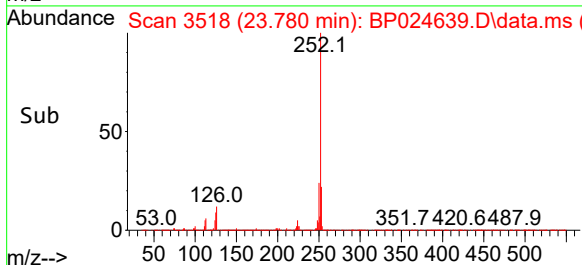
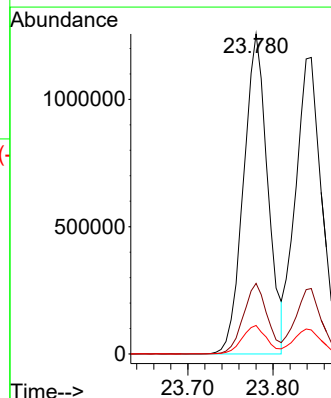
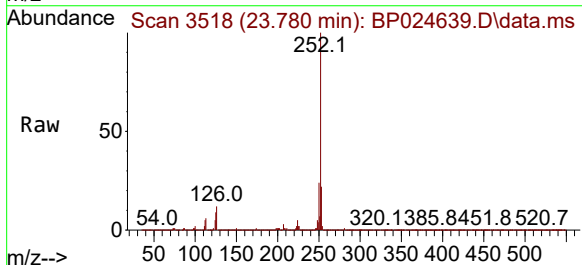
Tgt Ion:252 Resp: 2476684

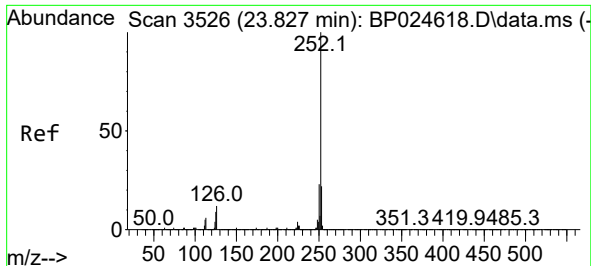
Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

125 8.9 7.5 11.3

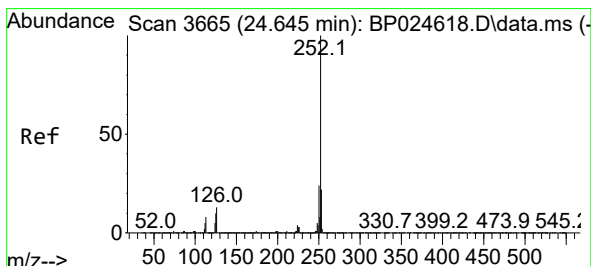
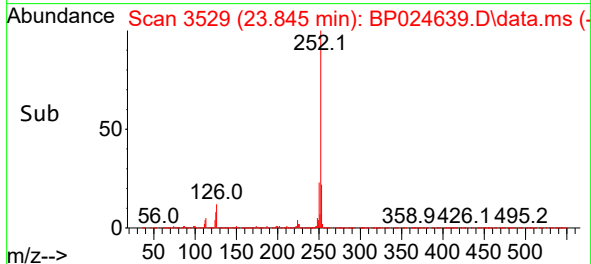
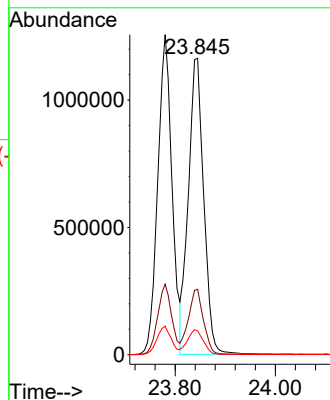
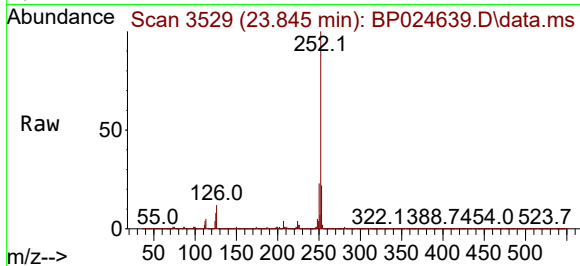




#89
Benzo(k)fluoranthene
Concen: 46.222 ng
RT: 23.845 min Scan# 3526
Delta R.T. 0.018 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

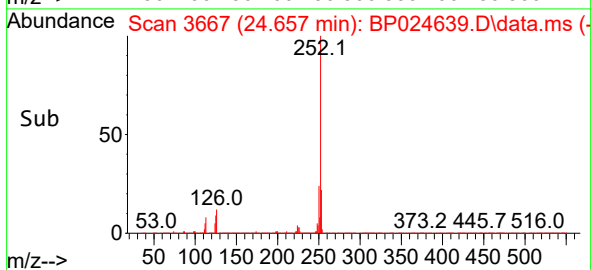
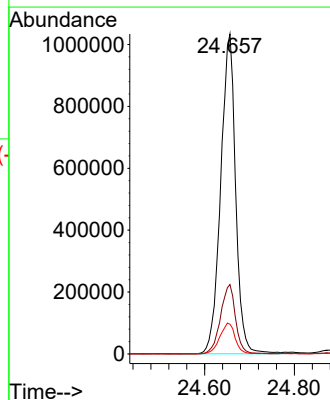
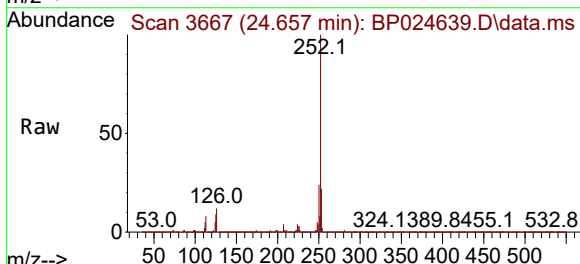
Instrument :
BNA_P
ClientSampleId :
TP-13MSD

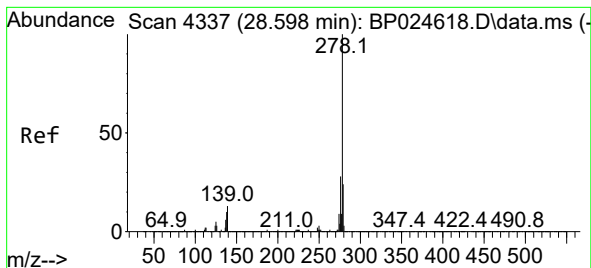
Tgt Ion:252 Resp: 2478499
Ion Ratio Lower Upper
252 100
253 22.1 17.6 26.4
125 8.1 7.0 10.4



#90
Benzo(a)pyrene
Concen: 47.980 ng
RT: 24.657 min Scan# 3667
Delta R.T. 0.012 min
Lab File: BP024639.D
Acq: 15 May 2025 15:59

Tgt Ion:252 Resp: 2397923
Ion Ratio Lower Upper
252 100
253 21.7 17.7 26.5
125 9.3 8.1 12.1





#91

Dibenzo(a,h)anthracene

Concen: 48.552 ng

RT: 28.586 min Scan# 41

Delta R.T. -0.012 min

Lab File: BP024639.D

Acq: 15 May 2025 15:59

Instrument :

BNA_P

ClientSampleId :

TP-13MSD

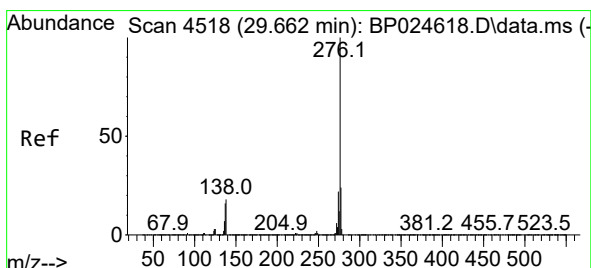
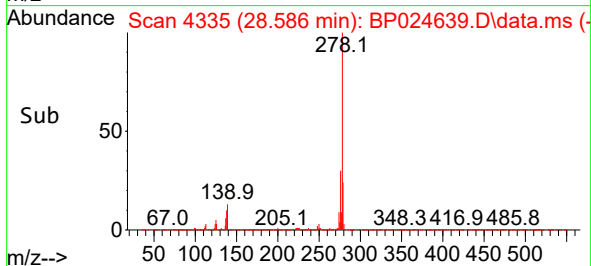
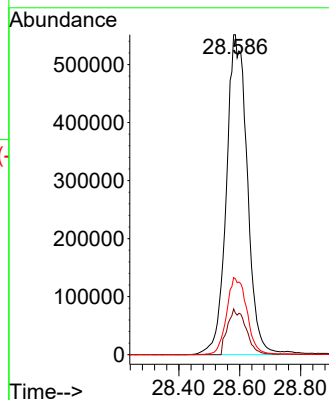
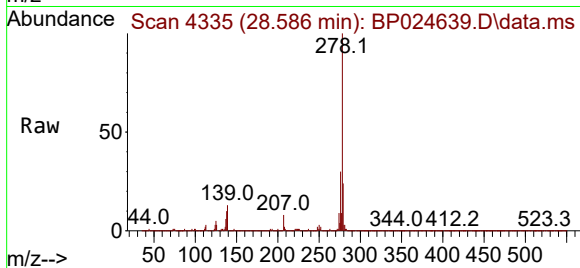
Tgt Ion:278 Resp: 2621583

Ion Ratio Lower Upper

278 100

139 13.0 10.2 15.4

279 23.7 19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 48.888 ng

RT: 29.680 min Scan# 4521

Delta R.T. 0.018 min

Lab File: BP024639.D

Acq: 15 May 2025 15:59

Tgt Ion:276 Resp: 2625102

Ion Ratio Lower Upper

276 100

277 23.8 19.0 28.4

138 17.9 14.4 21.6

