

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061225\
 Data File : BP024929.D
 Acq On : 12 Jun 2025 14:30
 Operator : RC/JU
 Sample : Q2280-03MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 RT-4643MSD

Quant Time: Jun 12 15:32:14 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 06 16:20:27 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	249785	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	1005988	20.000	ng	0.00
39) Acenaphthene-d10	14.260	164	624612	20.000	ng	0.01
64) Phenanthrene-d10	17.060	188	1216596	20.000	ng	0.00
76) Chrysene-d12	21.495	240	1255977	20.000	ng	0.01
86) Perylene-d12	24.766	264	1493797	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.237	112	1892611	126.475	ng	0.00
7) Phenol-d6	6.819	99	2447254	123.603	ng	0.00
23) Nitrobenzene-d5	8.760	82	1499817	72.447	ng	0.00
42) 2,4,6-Tribromophenol	15.784	330	1178968	136.524	ng	0.00
45) 2-Fluorobiphenyl	12.860	172	3369818	72.678	ng	0.00
79) Terphenyl-d14	19.783	244	5305780	75.712	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.167	88	250773	38.085	ng	99
3) Pyridine	3.561	79	667868	42.177	ng	100
4) n-Nitrosodimethylamine	3.473	42	302560	46.736	ng	100
6) Aniline	6.949	93	904587	35.801	ng	100
8) 2-Chlorophenol	7.190	128	900574	53.087	ng	99
9) Benzaldehyde	6.766	77	426946	37.411	ng	99
10) Phenol	6.843	94	1073416	52.590	ng	99
11) bis(2-Chloroethyl)ether	7.043	93	787485	49.053	ng	99
12) 1,3-Dichlorobenzene	7.496	146	921368	48.686	ng	97
13) 1,4-Dichlorobenzene	7.643	146	936678	49.054	ng	99
14) 1,2-Dichlorobenzene	7.955	146	903590	48.190	ng	99
15) Benzyl Alcohol	7.861	79	772295	50.824	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.125	45	934494	44.475	ng	98
17) 2-Methylphenol	8.072	107	734183	51.510	ng	98
18) Hexachloroethane	8.666	117	345169	48.013	ng	97
19) n-Nitroso-di-n-propyla...	8.413	70	613692	45.594	ng	98
20) 3+4-Methylphenols	8.402	107	986878	50.750	ng	99
22) Acetophenone	8.431	105	1256090	49.420	ng	# 97
24) Nitrobenzene	8.802	77	909695	49.462	ng	98
25) Isophorone	9.325	82	1709936	47.658	ng	99
26) 2-Nitrophenol	9.508	139	498892	54.977	ng	96
27) 2,4-Dimethylphenol	9.578	122	830897	53.501	ng	98
28) bis(2-Chloroethoxy)met...	9.802	93	1046788	48.910	ng	98
29) 2,4-Dichlorophenol	10.049	162	830265	55.717	ng	98
30) 1,2,4-Trichlorobenzene	10.243	180	849418	50.538	ng	99
31) Naphthalene	10.431	128	2596306	50.362	ng	100
32) Benzoic acid	9.790	122	631614	60.183	ng	98
33) 4-Chloroaniline	10.555	127	601183	27.834	ng	99
34) Hexachlorobutadiene	10.707	225	522326	51.562	ng	99
35) Caprolactam	11.360	113	281402	51.301	ng	91
36) 4-Chloro-3-methylphenol	11.707	107	908675	52.867	ng	98
37) 2-Methylnaphthalene	12.049	142	1654574	50.597	ng	100
38) 1-Methylnaphthalene	12.266	142	1704311	48.748	ng	100
40) 1,2,4,5-Tetrachloroben...	12.425	216	927046	52.306	ng	99
41) Hexachlorocyclopentadiene	12.396	237	947956	87.690	ng	99
43) 2,4,6-Trichlorophenol	12.678	196	661468	55.573	ng	98

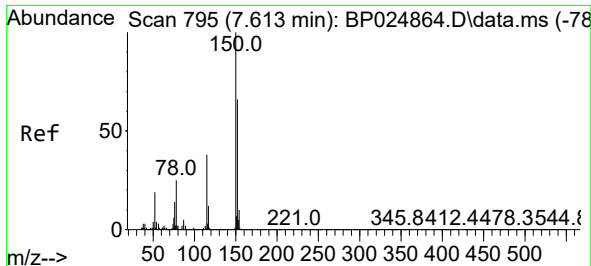
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 QLast Update : Fri Jun 06 16:20:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.772	196	740712	58.109	ng	98
46) 1,1'-Biphenyl	13.072	154	2325020	51.221	ng	99
47) 2-Chloronaphthalene	13.119	162	1801120	51.627	ng	99
48) 2-Nitroaniline	13.337	65	559840	52.197	ng	99
49) Acenaphthylene	13.972	152	3025428	52.010	ng	100
50) Dimethylphthalate	13.713	163	2315000	50.243	ng	100
51) 2,6-Dinitrotoluene	13.843	165	522459	52.598	ng	98
52) Acenaphthene	14.325	154	1766459	52.994	ng	99
53) 3-Nitroaniline	14.184	138	417701	40.521	ng	99
54) 2,4-Dinitrophenol	14.407	184	685756	104.212	ng	95
55) Dibenzofuran	14.666	168	2804311	52.411	ng	99
56) 4-Nitrophenol	14.548	139	906999	102.314	ng	97
57) 2,4-Dinitrotoluene	14.648	165	733570	52.794	ng	97
58) Fluorene	15.319	166	2317802	53.624	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.913	232	642253	56.392	ng	97
60) Diethylphthalate	15.101	149	2366192	51.528	ng	100
61) 4-Chlorophenyl-phenyle...	15.319	204	1102149	52.150	ng	97
62) 4-Nitroaniline	15.366	138	523926	56.055	ng	95
63) Azobenzene	15.619	77	2224941	52.830	ng	95
65) 4,6-Dinitro-2-methylph...	15.431	198	436269	54.574	ng	98
66) n-Nitrosodiphenylamine	15.542	169	1925906	51.073	ng	99
67) 4-Bromophenyl-phenylether	16.225	248	740619	53.953	ng	98
68) Hexachlorobenzene	16.348	284	890463	53.509	ng	98
69) Atrazine	16.525	200	726216	53.124	ng	99
70) Pentachlorophenol	16.713	266	1154649	134.063	ng	98
71) Phenanthrene	17.101	178	3906792	58.110	ng	99
72) Anthracene	17.195	178	3635460	53.392	ng	99
73) Carbazole	17.484	167	3343767	52.981	ng	100
74) Di-n-butylphthalate	18.066	149	4211081	53.854	ng	99
75) Fluoranthene	19.189	202	5072485	65.096	ng	99
77) Benzidine	19.395	184	1273295	32.733	ng	99
78) Pyrene	19.572	202	5039432	64.224	ng	100
80) Butylbenzylphthalate	20.519	149	1943473	54.073	ng	95
81) Benzo(a)anthracene	21.477	228	4584277	57.068	ng	100
82) 3,3'-Dichlorobenzidine	21.401	252	1248271	39.142	ng	99
83) Chrysene	21.542	228	4439781	58.330	ng	99
84) Bis(2-ethylhexyl)phtha...	21.407	149	2814226	54.650	ng	99
85) Di-n-octyl phthalate	22.654	149	5042237	55.552	ng	100
87) Indeno(1,2,3-cd)pyrene	28.483	276	6246160	57.309	ng	99
88) Benzo(b)fluoranthene	23.736	252	5290310	61.882	ng	99
89) Benzo(k)fluoranthene	23.801	252	4851882	55.755	ng	100
90) Benzo(a)pyrene	24.613	252	4786328	57.329	ng	99
91) Dibenzo(a,h)anthracene	28.542	278	4851574	54.687	ng	98
92) Benzo(g,h,i)perylene	29.624	276	5067058	57.565	ng	99

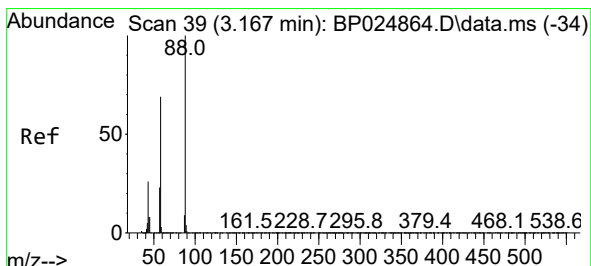
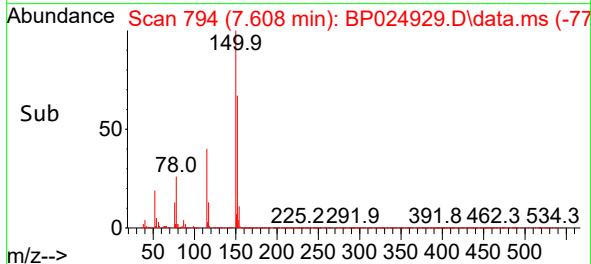
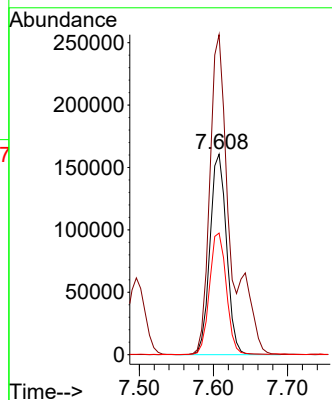
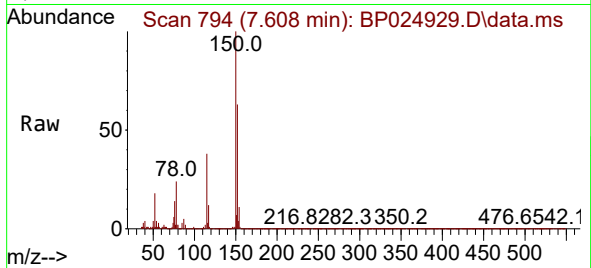
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 795
Delta R.T. -0.005 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

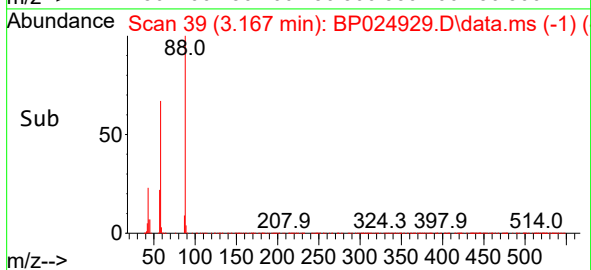
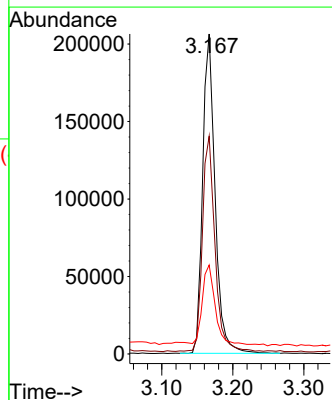
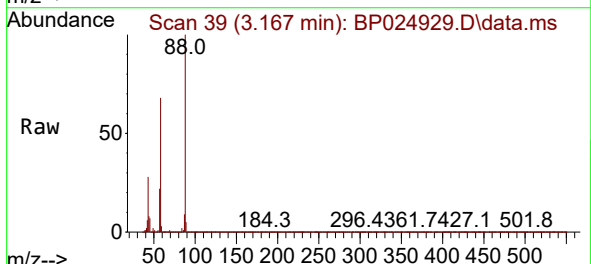
Instrument :
BNA_P
ClientSampleId :
RT-4643MSD

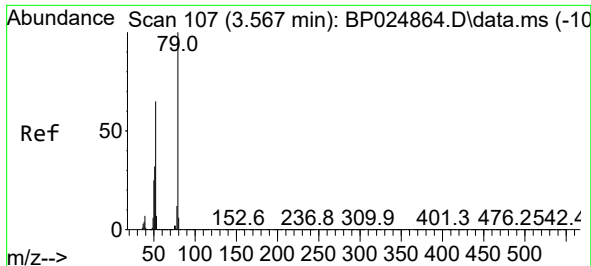
Tgt Ion:152 Resp: 249785
Ion Ratio Lower Upper
152 100
150 159.6 122.1 183.1
115 60.6 46.4 69.6



#2
1,4-Dioxane
Concen: 38.085 ng
RT: 3.167 min Scan# 39
Delta R.T. 0.000 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

Tgt Ion: 88 Resp: 250773
Ion Ratio Lower Upper
88 100
58 68.0 55.4 83.0
43 25.3 20.8 31.2

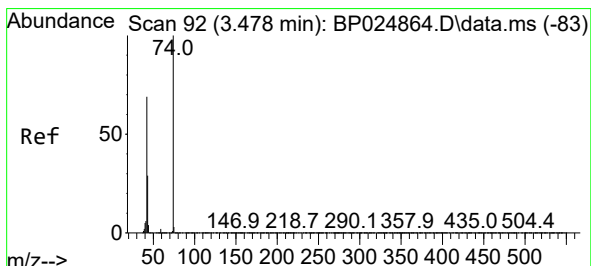
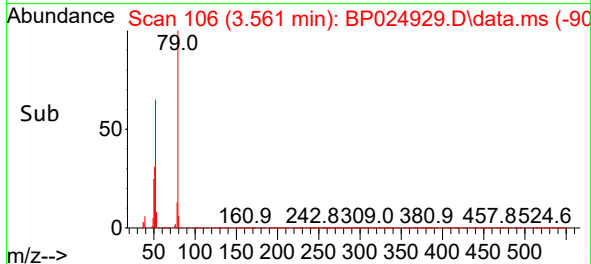
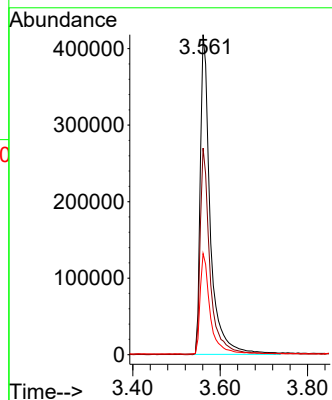
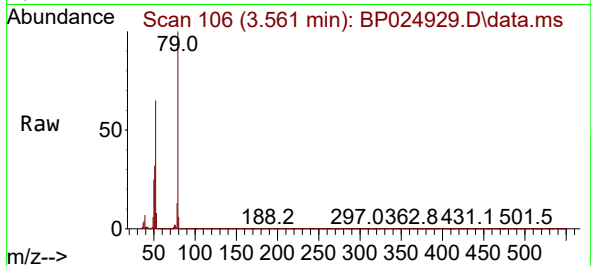




#3
Pyridine
Concen: 42.177 ng
RT: 3.561 min Scan# 107
Delta R.T. -0.006 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

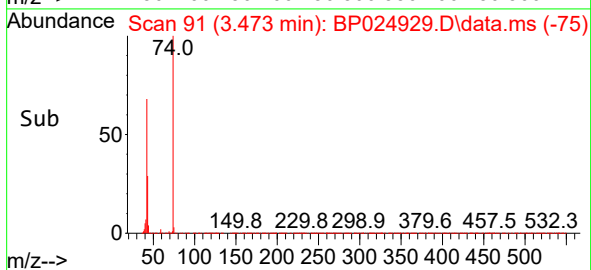
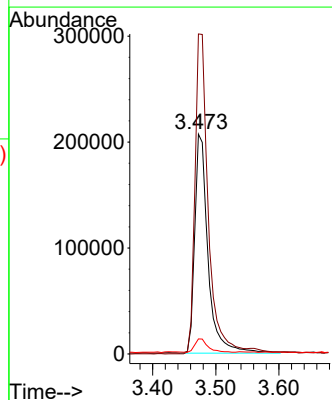
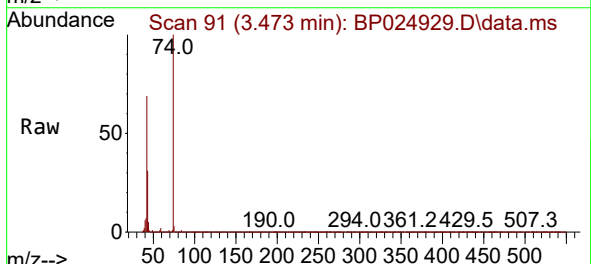
Instrument :
BNA_P
ClientSampleId :
RT-4643MSD

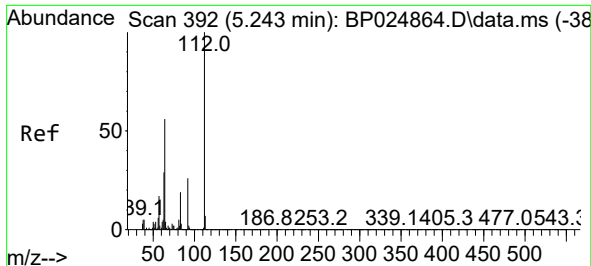
Tgt Ion: 79 Resp: 667868
Ion Ratio Lower Upper
79 100
52 64.5 51.6 77.4
51 31.6 25.5 38.3



#4
n-Nitrosodimethylamine
Concen: 46.736 ng
RT: 3.473 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

Tgt Ion: 42 Resp: 302560
Ion Ratio Lower Upper
42 100
74 145.6 116.6 174.8
44 6.9 5.4 8.0

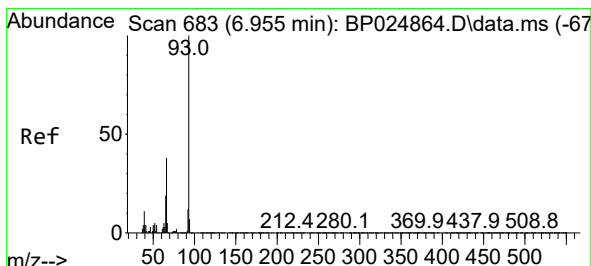
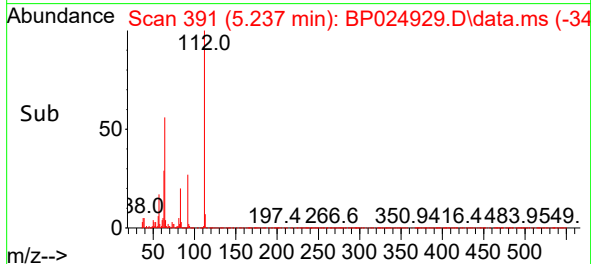
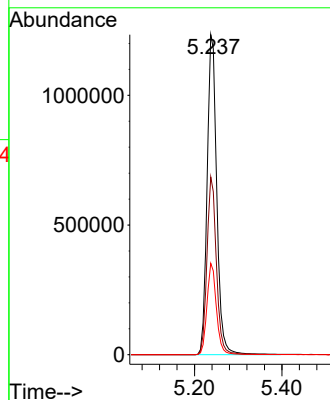
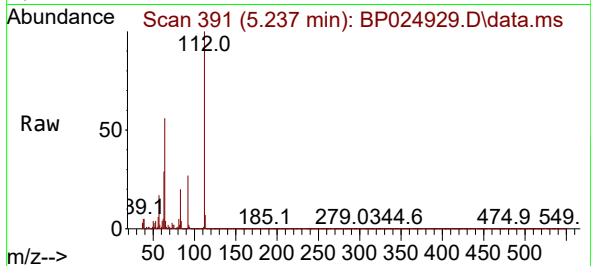




#5
2-Fluorophenol
Concen: 126.475 ng
RT: 5.237 min Scan# 391
Delta R.T. -0.006 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

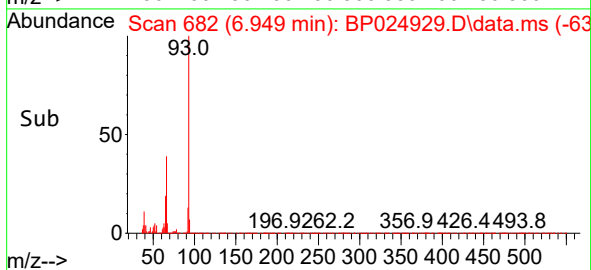
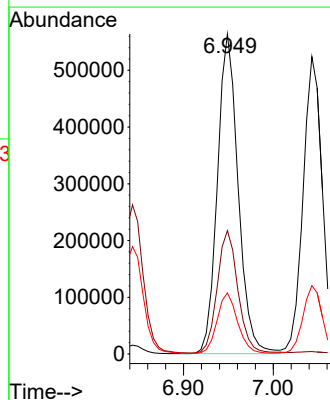
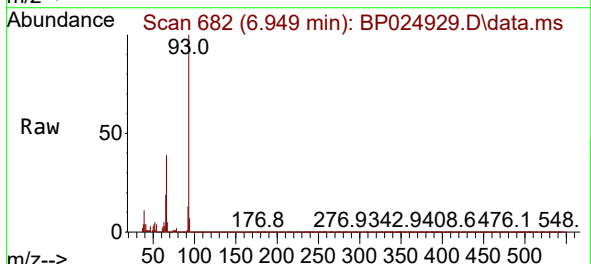
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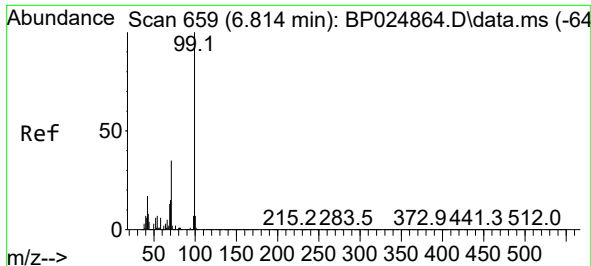
Tgt Ion:112 Resp: 1892611
Ion Ratio Lower Upper
112 100
64 55.6 44.7 67.1
63 28.6 23.5 35.3



#6
Aniline
Concen: 35.801 ng
RT: 6.949 min Scan# 682
Delta R.T. -0.006 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

Tgt Ion: 93 Resp: 904587
Ion Ratio Lower Upper
93 100
66 38.5 30.9 46.3
65 19.1 15.5 23.3

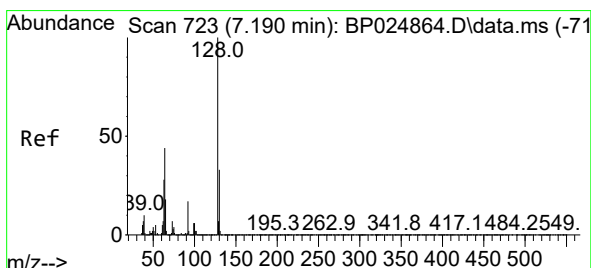
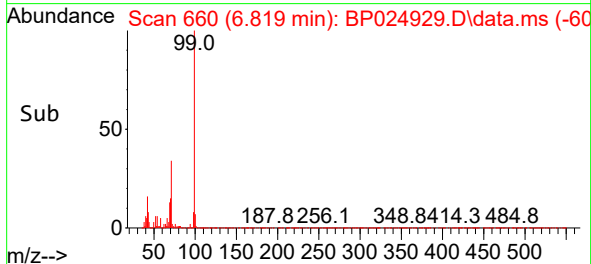
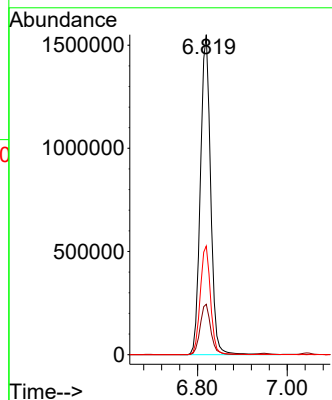
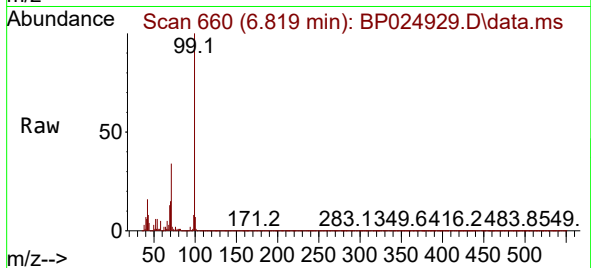




#7
Phenol-d6
Concen: 123.603 ng
RT: 6.819 min Scan# 60
Delta R.T. 0.006 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

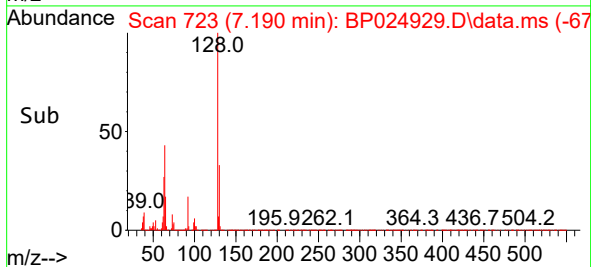
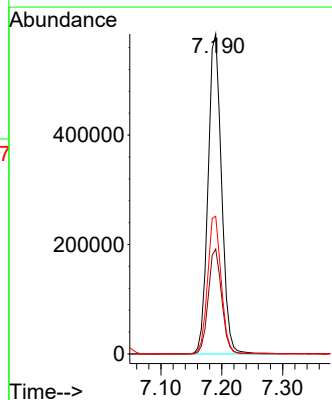
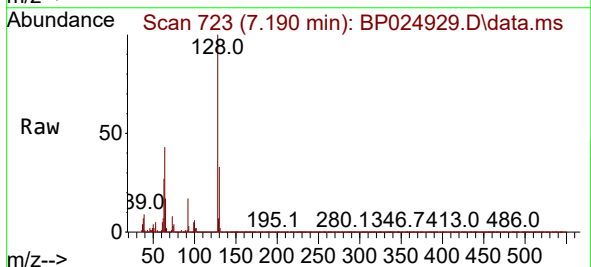
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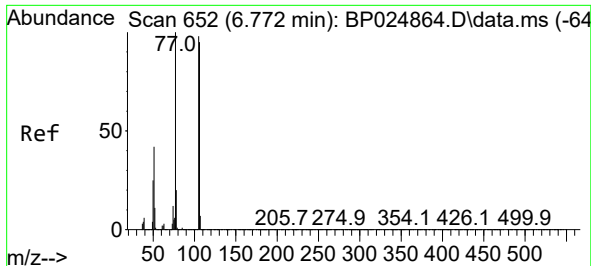
Tgt Ion: 99 Resp: 2447254
Ion Ratio Lower Upper
99 100
42 15.7 13.4 20.2
71 34.0 27.6 41.4



#8
2-Chlorophenol
Concen: 53.087 ng
RT: 7.190 min Scan# 723
Delta R.T. 0.000 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

Tgt Ion:128 Resp: 900574
Ion Ratio Lower Upper
128 100
130 32.8 12.6 52.6
64 43.1 24.1 64.1

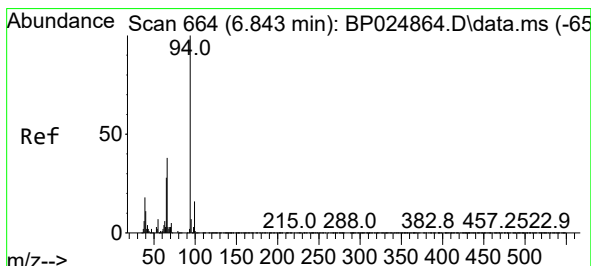
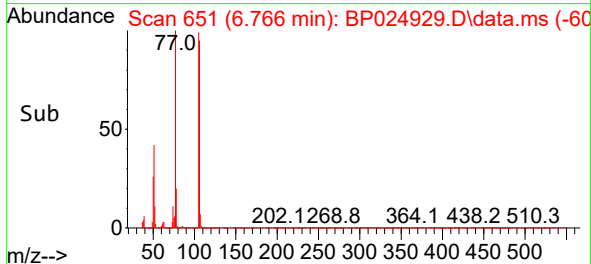
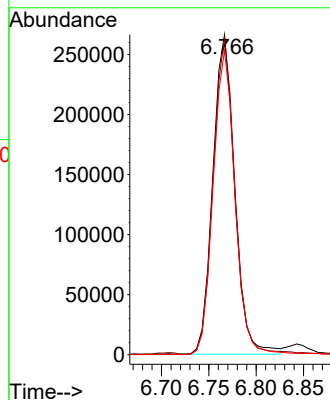
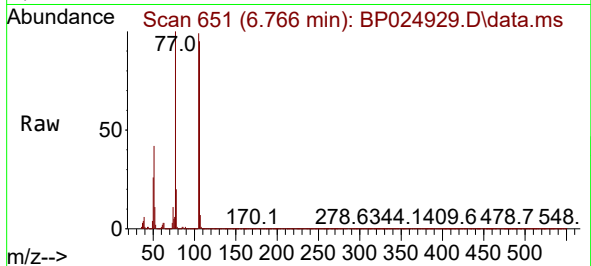




#9
Benzaldehyde
Concen: 37.411 ng
RT: 6.766 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

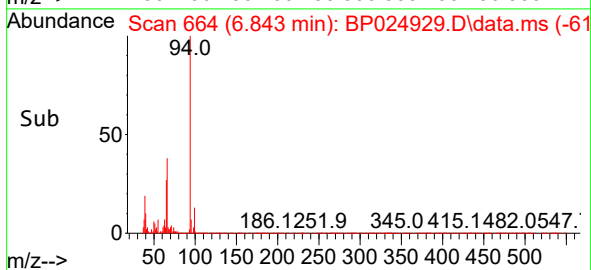
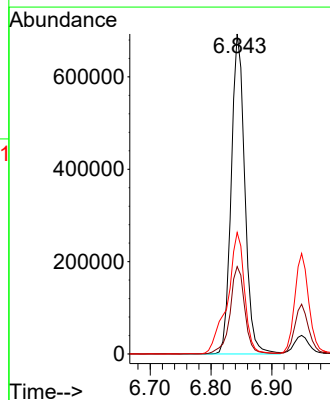
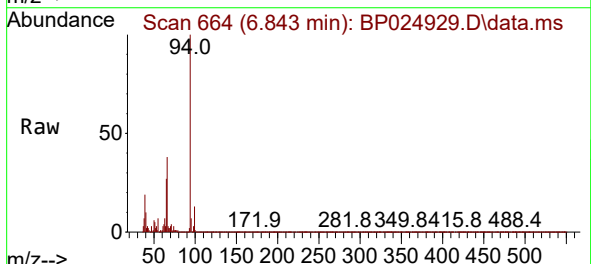
Instrument :
BNA_P
ClientSampleId :
RT-4643MSD

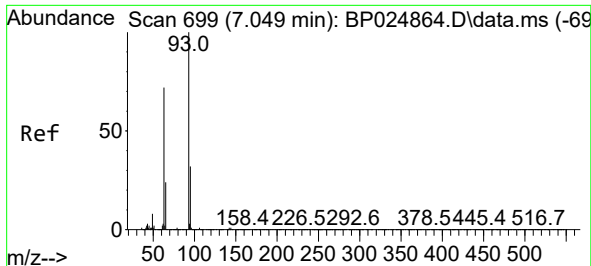
Tgt Ion: 77 Resp: 426946
Ion Ratio Lower Upper
77 100
105 99.1 77.7 117.7
106 95.1 74.8 114.8



#10
Phenol
Concen: 52.590 ng
RT: 6.843 min Scan# 664
Delta R.T. 0.000 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

Tgt Ion: 94 Resp: 1073416
Ion Ratio Lower Upper
94 100
65 27.3 8.3 48.3
66 37.9 18.2 58.2

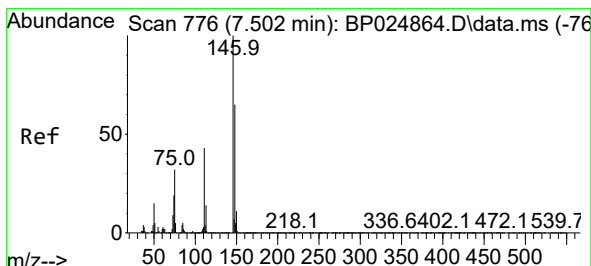
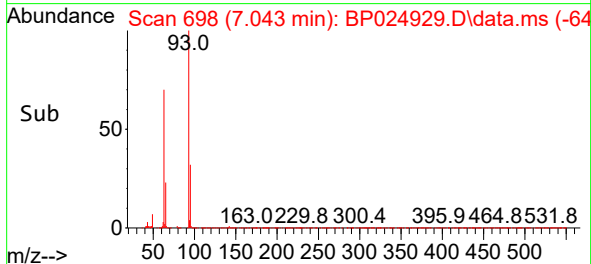
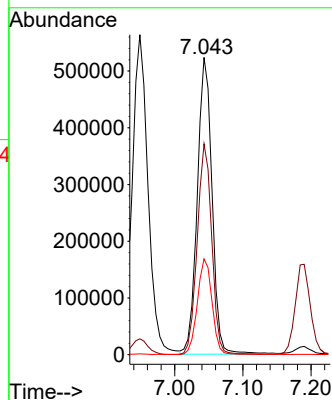
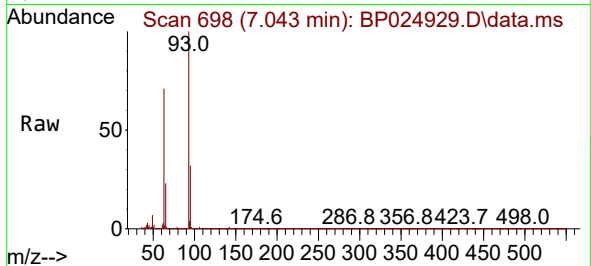




#11
bis(2-Chloroethyl)ether
Concen: 49.053 ng
RT: 7.043 min Scan# 699
Delta R.T. -0.006 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

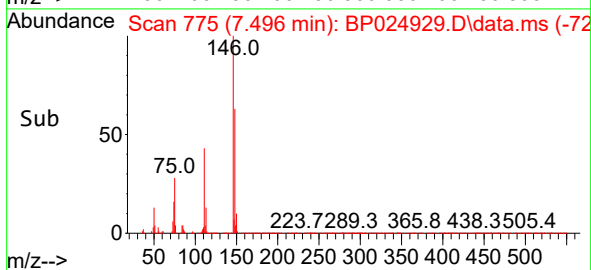
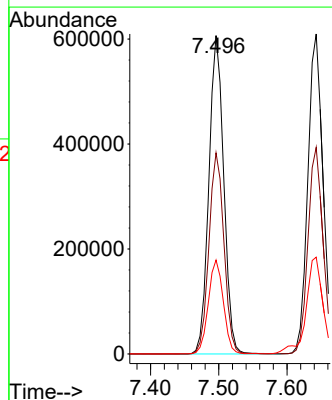
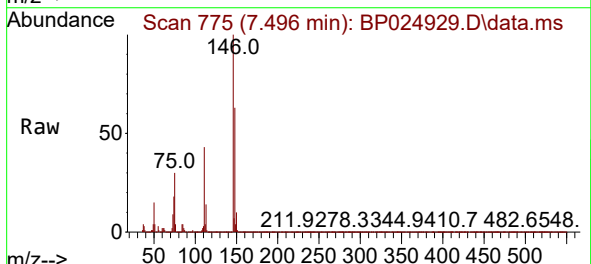
Instrument :
BNA_P
ClientSampleId :
RT-4643MSD

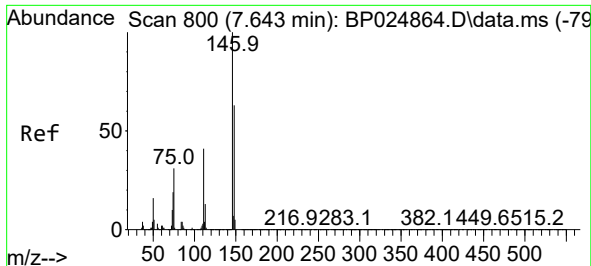
Tgt Ion: 93 Resp: 787485
Ion Ratio Lower Upper
93 100
63 71.0 51.6 91.6
95 32.2 12.1 52.1



#12
1,3-Dichlorobenzene
Concen: 48.686 ng
RT: 7.496 min Scan# 775
Delta R.T. -0.006 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

Tgt Ion: 146 Resp: 921368
Ion Ratio Lower Upper
146 100
148 63.2 51.8 77.8
75 29.5 25.3 37.9





#13

1,4-Dichlorobenzene

Concen: 49.054 ng

RT: 7.643 min Scan# 800

Delta R.T. 0.000 min

Lab File: BP024929.D

Acq: 12 Jun 2025 14:30

Instrument :

BNA_P

ClientSampleId :

RT-4643MSD

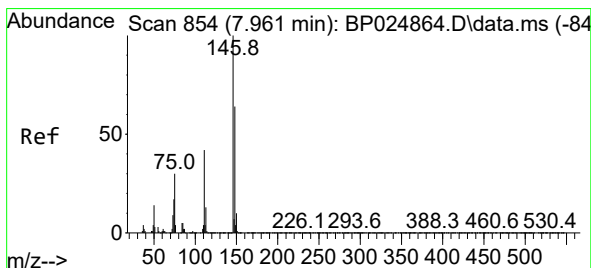
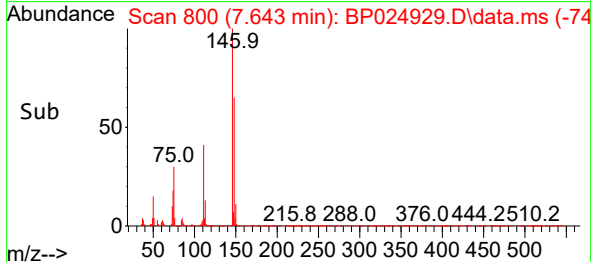
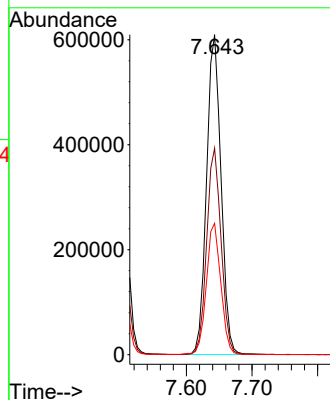
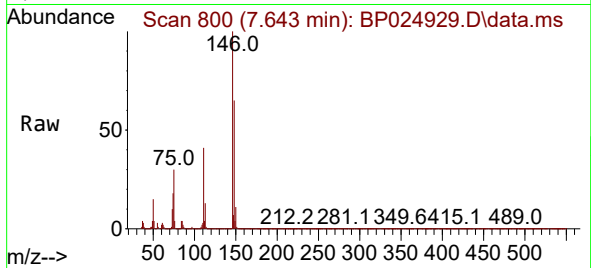
Tgt Ion:146 Resp: 936678

Ion Ratio Lower Upper

146 100

148 64.6 50.8 76.2

111 41.1 32.7 49.1



#14

1,2-Dichlorobenzene

Concen: 48.190 ng

RT: 7.955 min Scan# 853

Delta R.T. -0.006 min

Lab File: BP024929.D

Acq: 12 Jun 2025 14:30

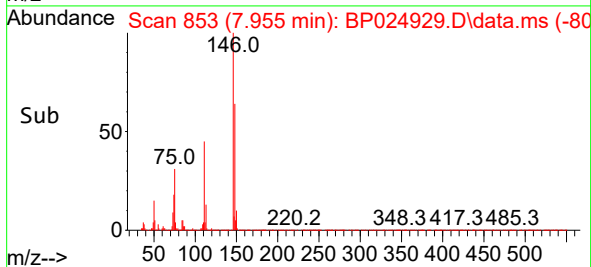
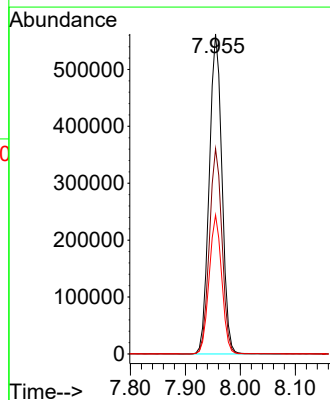
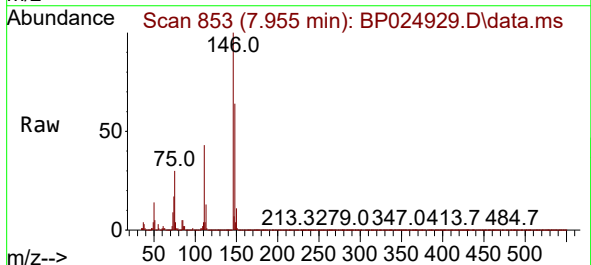
Tgt Ion:146 Resp: 903590

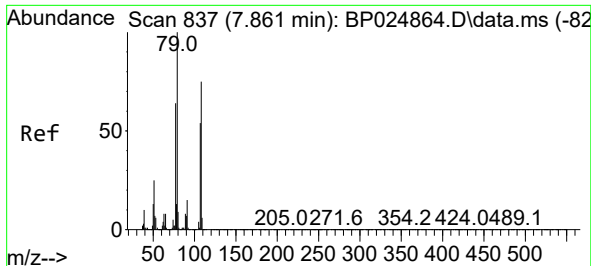
Ion Ratio Lower Upper

146 100

148 64.2 51.0 76.4

111 43.4 33.8 50.8

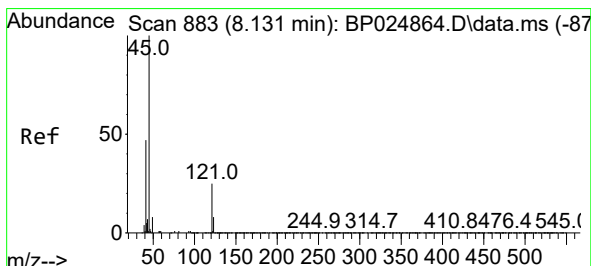
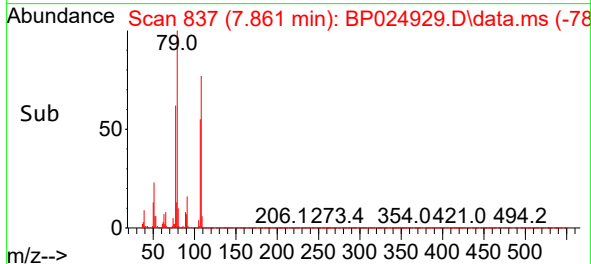
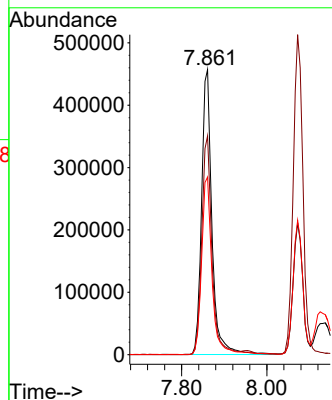
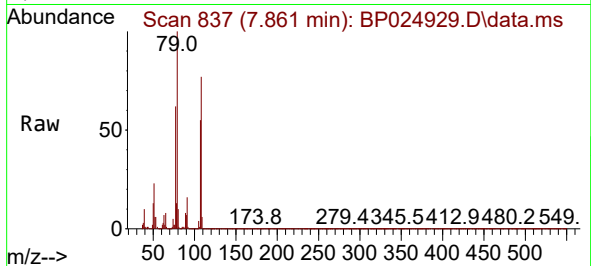




#15
Benzyl Alcohol
Concen: 50.824 ng
RT: 7.861 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

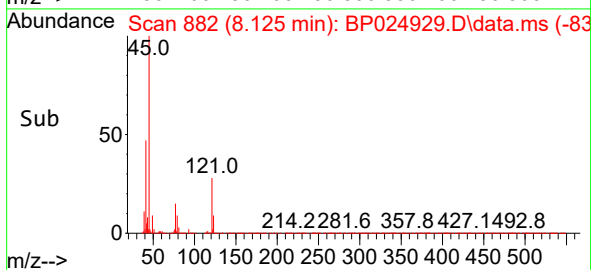
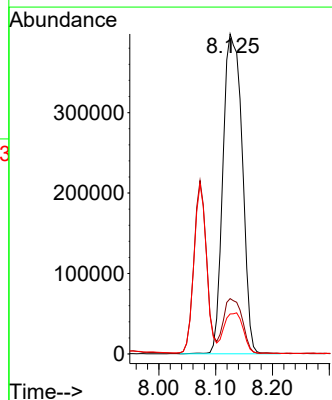
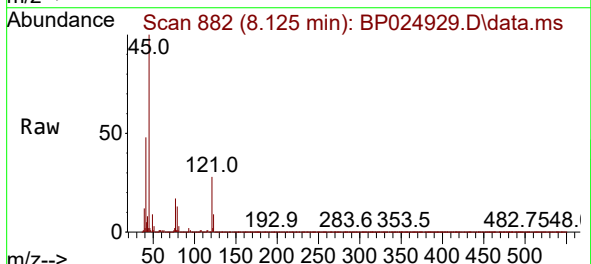
Instrument :
BNA_P
ClientSampleId :
RT-4643MSD

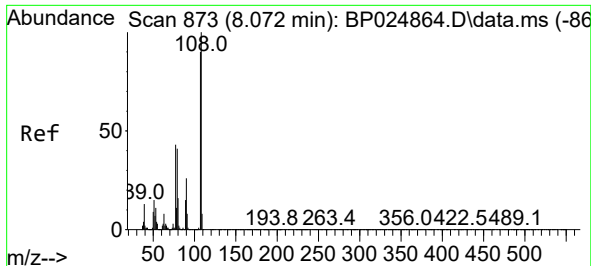
Tgt Ion: 79 Resp: 772295
Ion Ratio Lower Upper
79 100
108 76.7 60.2 90.4
77 62.3 51.2 76.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.475 ng
RT: 8.125 min Scan# 882
Delta R.T. -0.006 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

Tgt Ion: 45 Resp: 934494
Ion Ratio Lower Upper
45 100
77 17.3 0.0 36.3
79 12.5 0.0 32.2

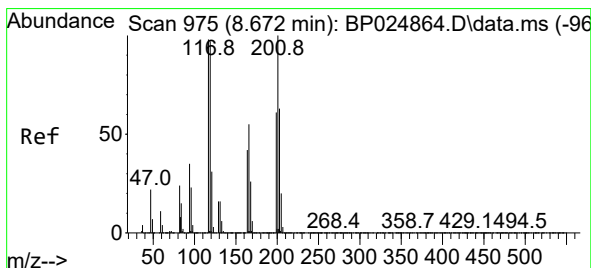
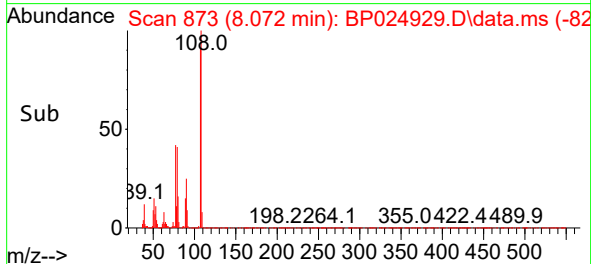
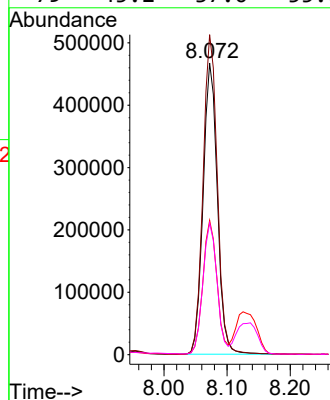
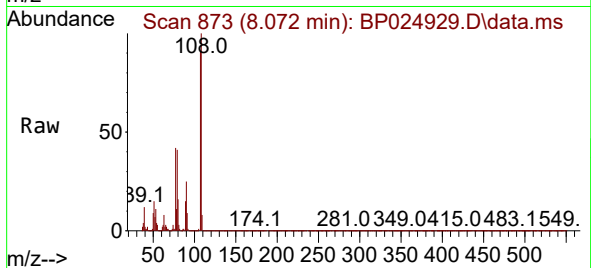




#17
2-Methylphenol
Concen: 51.510 ng
RT: 8.072 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

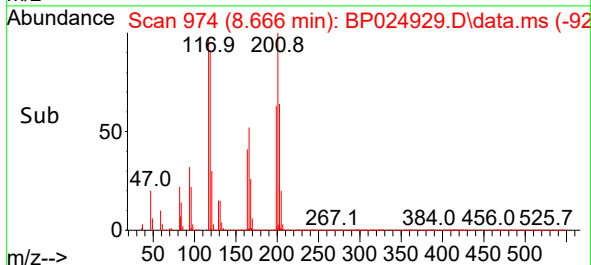
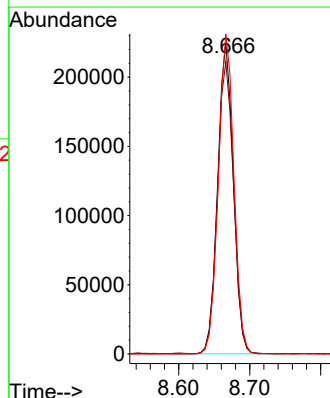
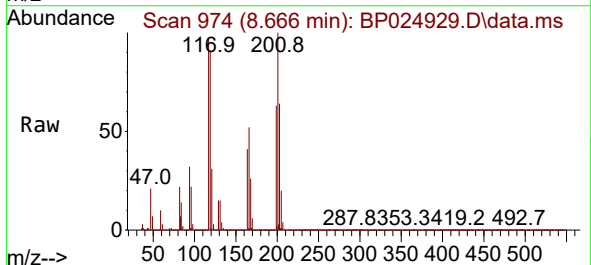
Instrument :
BNA_P
ClientSampleId :
RT-4643MSD

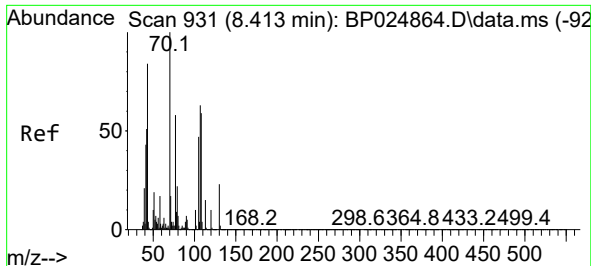
Tgt Ion:	107	Resp:	734183
Ion	Ratio	Lower	Upper
107	100		
108	109.7	88.6	132.8
77	46.1	38.5	57.7
79	45.2	37.0	55.6



#18
Hexachloroethane
Concen: 48.013 ng
RT: 8.666 min Scan# 974
Delta R.T. -0.006 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

Tgt Ion:	117	Resp:	345169
Ion	Ratio	Lower	Upper
117	100		
119	93.9	79.4	119.2
201	102.8	81.4	122.2

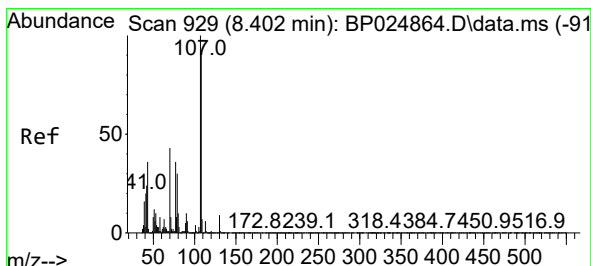
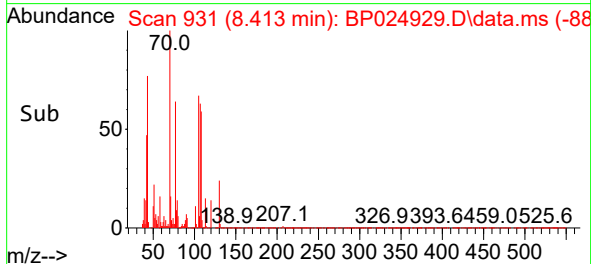
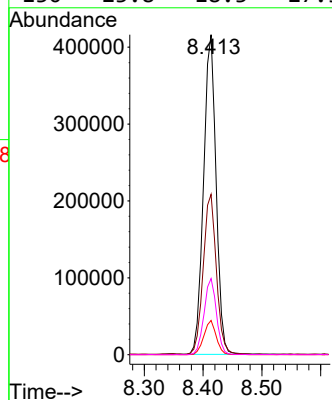
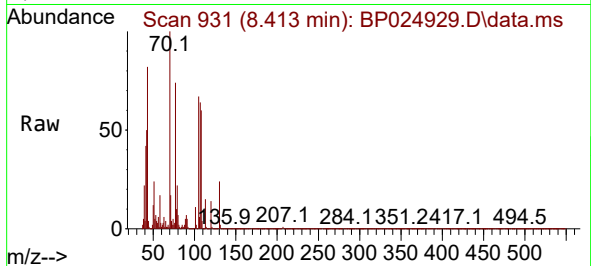




#19
n-Nitroso-di-n-propylamine
Concen: 45.594 ng
RT: 8.413 min Scan# 913
Delta R.T. 0.000 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

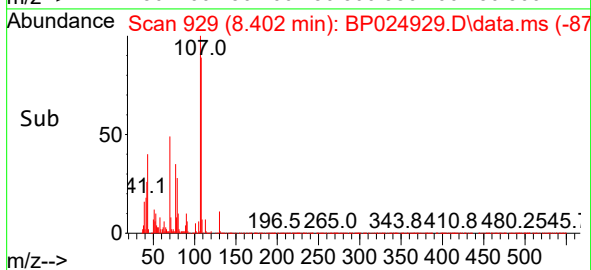
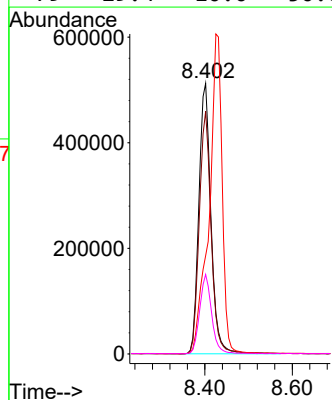
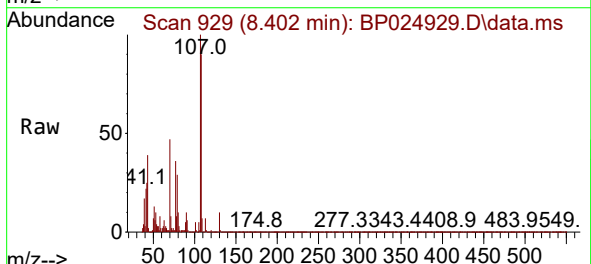
Instrument :
BNA_P
ClientSampleId :
RT-4643MSD

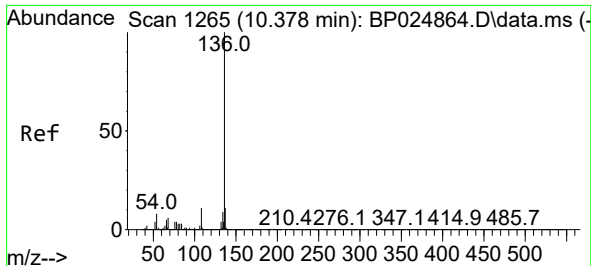
Tgt Ion: 70 Resp: 613692
Ion Ratio Lower Upper
70 100
42 50.1 41.2 61.8
101 10.7 8.3 12.5
130 23.8 18.3 27.5



#20
3+4-Methylphenols
Concen: 50.750 ng
RT: 8.402 min Scan# 929
Delta R.T. 0.000 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

Tgt Ion: 107 Resp: 986878
Ion Ratio Lower Upper
107 100
108 89.6 70.7 110.7
77 36.3 16.6 56.6
79 29.4 10.0 50.0

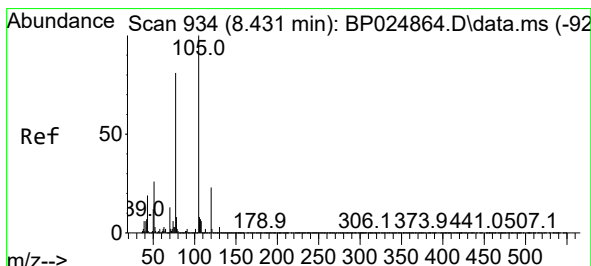
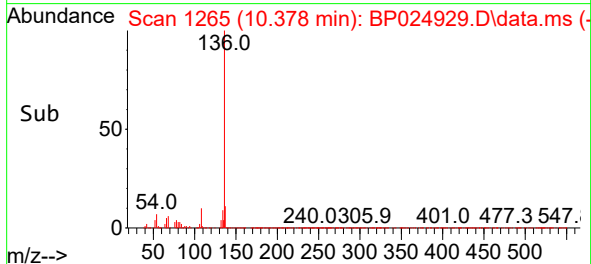
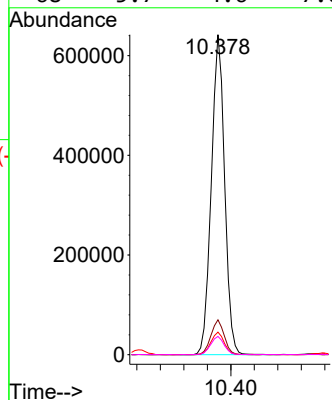
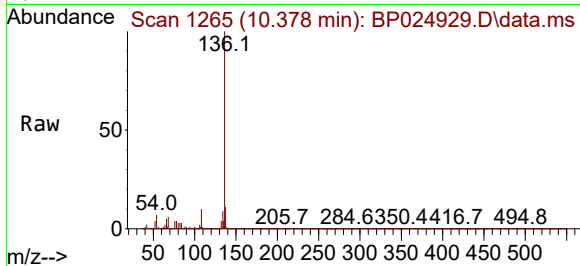




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

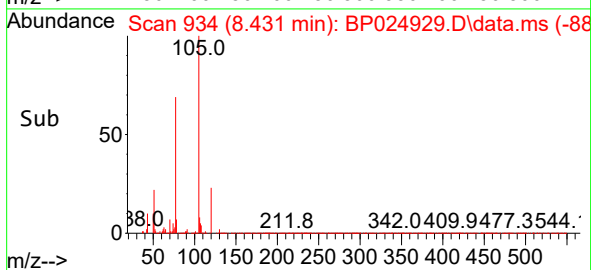
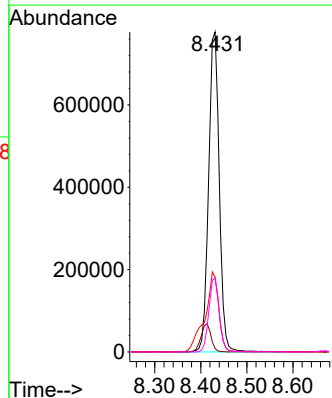
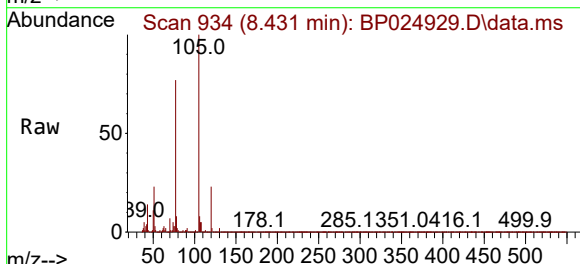
Instrument :
BNA_P
ClientSampleId :
RT-4643MSD

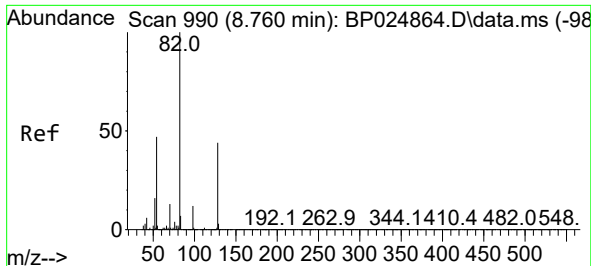
Tgt Ion:136 Resp: 1005988
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.0 6.1 9.1
68 5.7 4.6 7.0



#22
Acetophenone
Concen: 49.420 ng
RT: 8.431 min Scan# 934
Delta R.T. 0.000 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

Tgt Ion:105 Resp: 1256090
Ion Ratio Lower Upper
105 100
71 1.1 1.6 2.4#
51 23.3 20.6 31.0
120 23.1 18.2 27.4

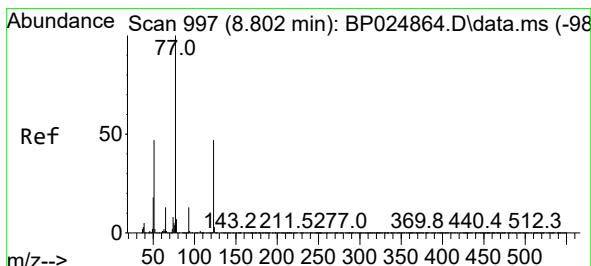
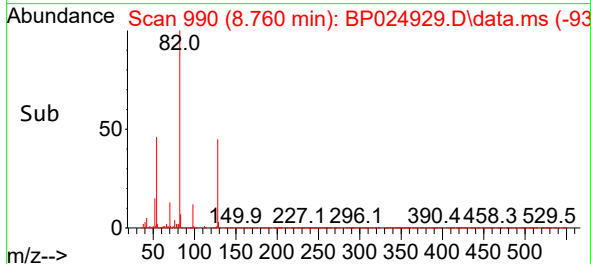
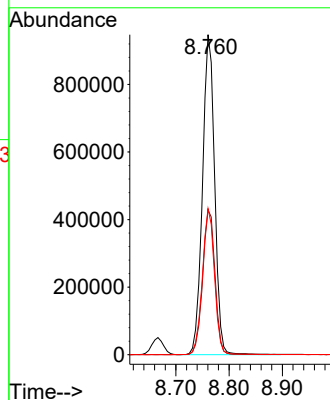
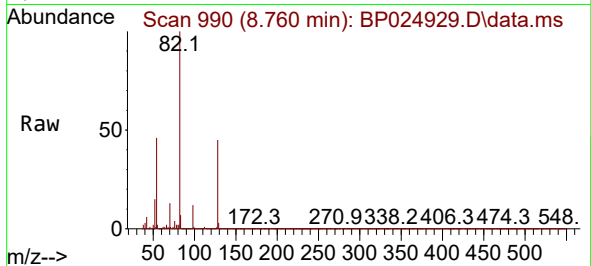




#23
Nitrobenzene-d5
Concen: 72.447 ng
RT: 8.760 min Scan# 990
Delta R.T. 0.000 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

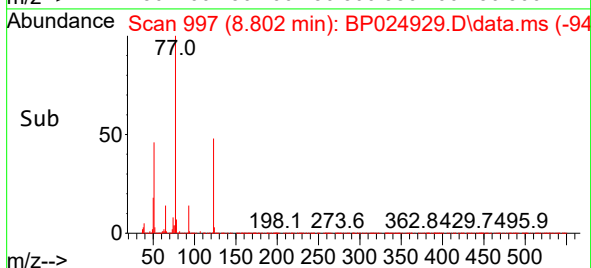
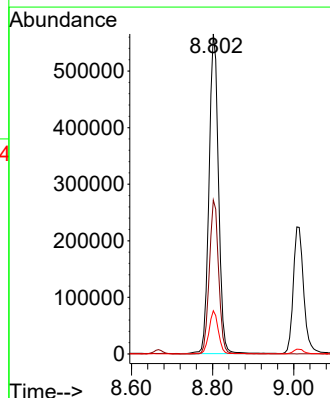
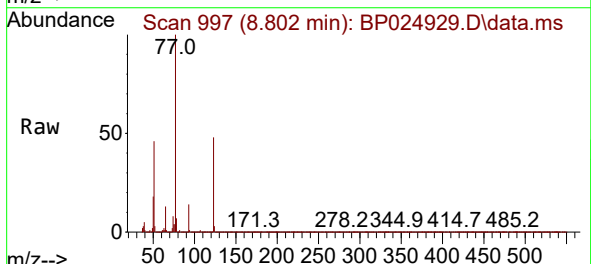
Instrument :
BNA_P
ClientSampleId :
RT-4643MSD

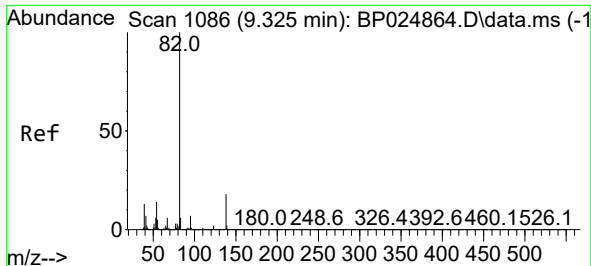
Tgt Ion: 82 Resp: 1499817
Ion Ratio Lower Upper
82 100
128 45.3 35.3 52.9
54 45.6 37.4 56.0



#24
Nitrobenzene
Concen: 49.462 ng
RT: 8.802 min Scan# 997
Delta R.T. 0.000 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

Tgt Ion: 77 Resp: 909695
Ion Ratio Lower Upper
77 100
123 48.1 37.3 55.9
65 13.5 10.8 16.2

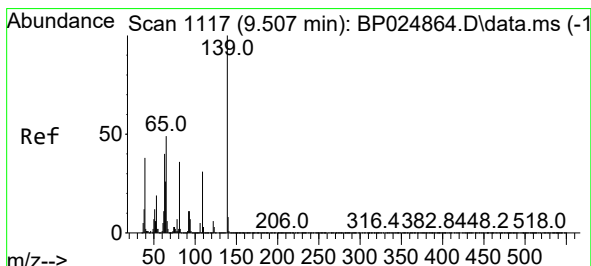
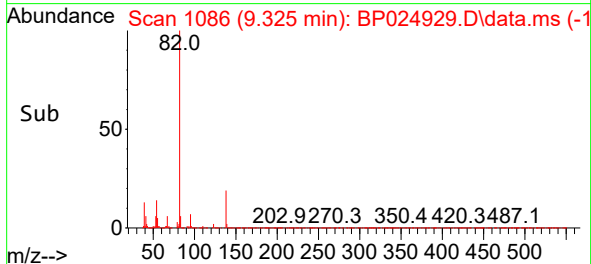
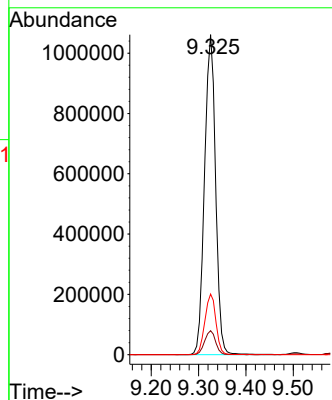
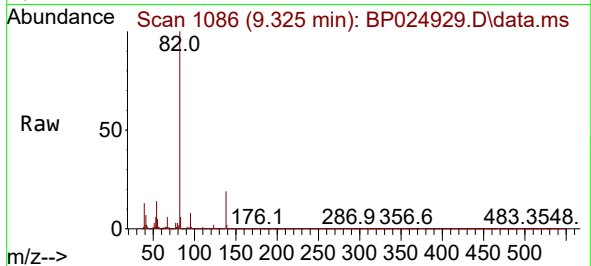




#25
Isophorone
Concen: 47.658 ng
RT: 9.325 min Scan# 1086
Delta R.T. 0.000 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

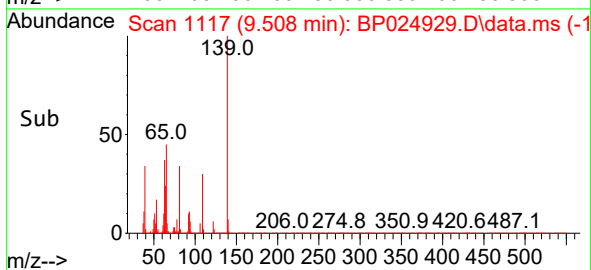
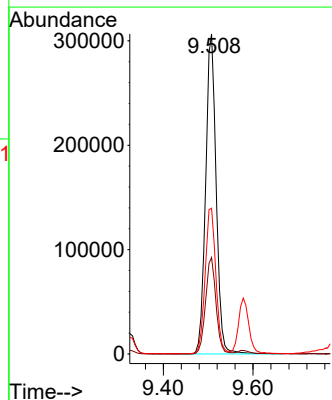
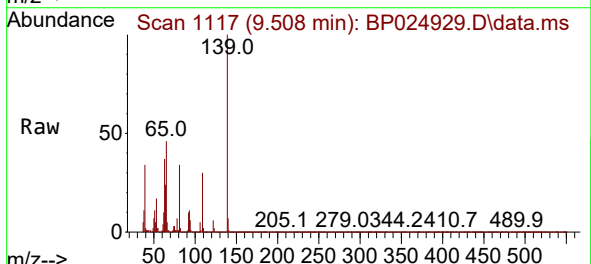
Instrument :
BNA_P
ClientSampleId :
RT-4643MSD

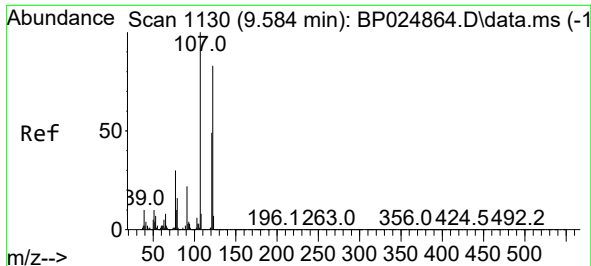
Tgt Ion: 82 Resp: 1709936
Ion Ratio Lower Upper
82 100
95 7.5 5.9 8.9
138 19.0 14.6 21.8



#26
2-Nitrophenol
Concen: 54.977 ng
RT: 9.508 min Scan# 1117
Delta R.T. 0.000 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

Tgt Ion:139 Resp: 498892
Ion Ratio Lower Upper
139 100
109 30.2 24.6 37.0
65 45.6 39.5 59.3





#27

2,4-Dimethylphenol

Concen: 53.501 ng

RT: 9.578 min Scan# 1129

Delta R.T. -0.006 min

Lab File: BP024929.D

Acq: 12 Jun 2025 14:30

Instrument :

BNA_P

ClientSampleId :

RT-4643MSD

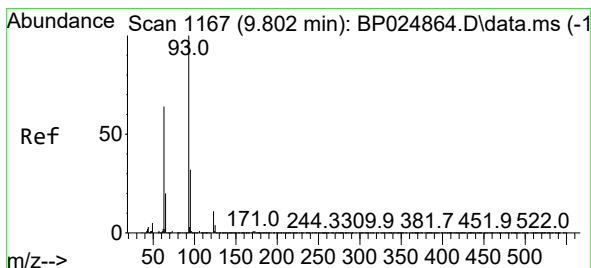
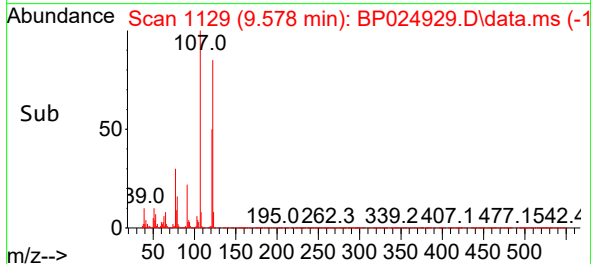
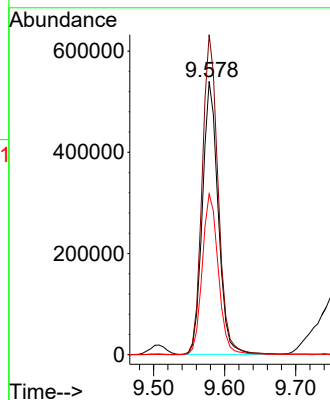
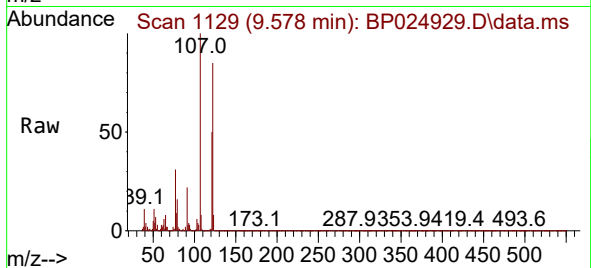
Tgt Ion:122 Resp: 830897

Ion Ratio Lower Upper

122 100

107 117.1 96.2 144.4

121 58.9 47.0 70.4



#28

bis(2-Chloroethoxy)methane

Concen: 48.910 ng

RT: 9.802 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BP024929.D

Acq: 12 Jun 2025 14:30

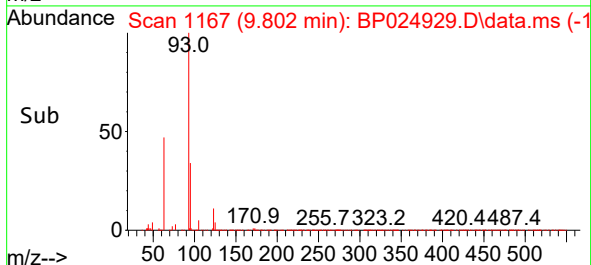
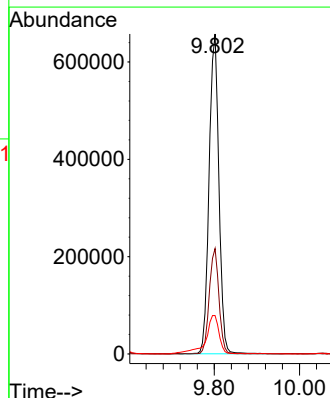
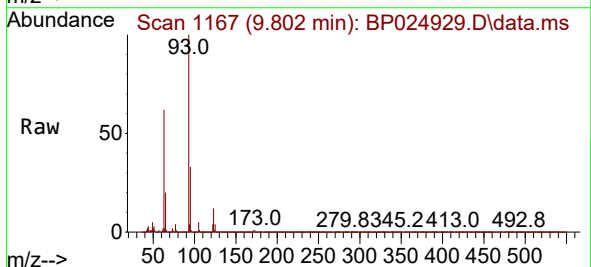
Tgt Ion: 93 Resp: 1046788

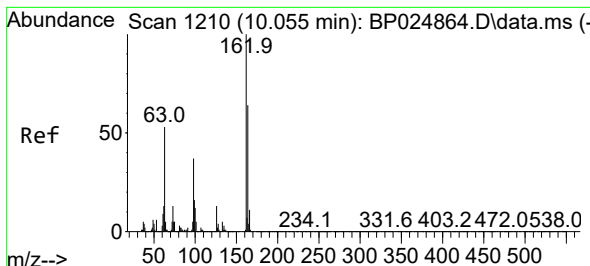
Ion Ratio Lower Upper

93 100

95 33.0 25.5 38.3

123 12.0 9.2 13.8

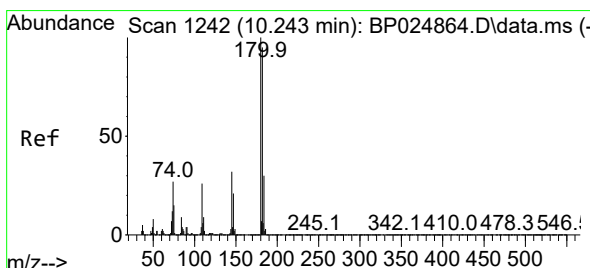
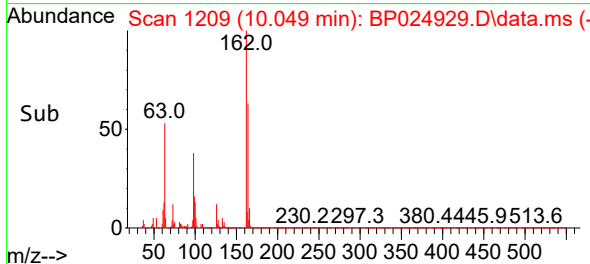
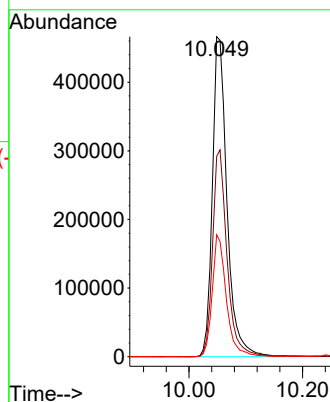
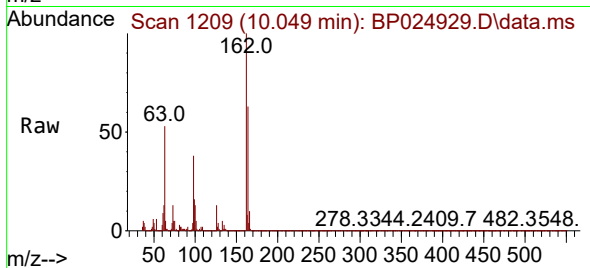




#29
 2,4-Dichlorophenol
 Concen: 55.717 ng
 RT: 10.049 min Scan# 1210
 Delta R.T. -0.006 min
 Lab File: BP024929.D
 Acq: 12 Jun 2025 14:30

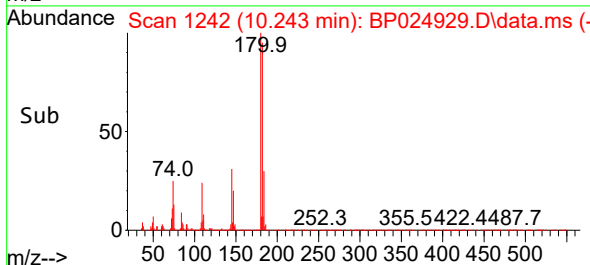
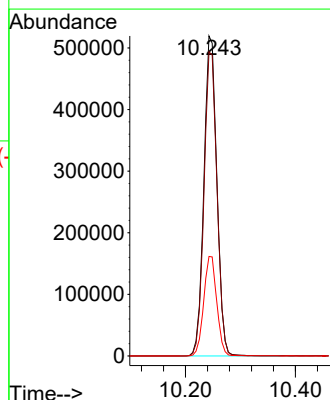
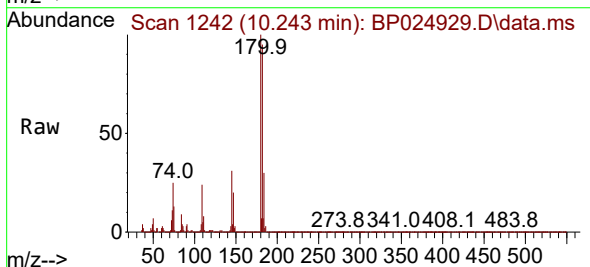
Instrument :
 BNA_P
 ClientSampleId :
 RT-4643MSD

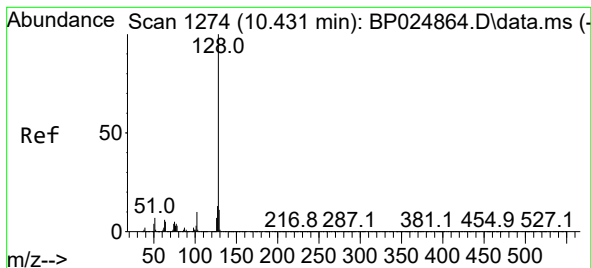
Tgt Ion:162 Resp: 830265
 Ion Ratio Lower Upper
 162 100
 164 62.6 44.0 84.0
 98 38.1 16.9 56.9



#30
 1,2,4-Trichlorobenzene
 Concen: 50.538 ng
 RT: 10.243 min Scan# 1242
 Delta R.T. 0.000 min
 Lab File: BP024929.D
 Acq: 12 Jun 2025 14:30

Tgt Ion:180 Resp: 849418
 Ion Ratio Lower Upper
 180 100
 182 95.1 75.8 113.6
 145 31.1 25.7 38.5





#31

Naphthalene

Concen: 50.362 ng

RT: 10.431 min Scan# 1165

Delta R.T. 0.000 min

Lab File: BP024929.D

Acq: 12 Jun 2025 14:30

Instrument :

BNA_P

ClientSampleId :

RT-4643MSD

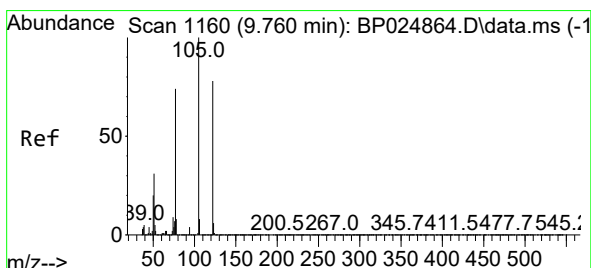
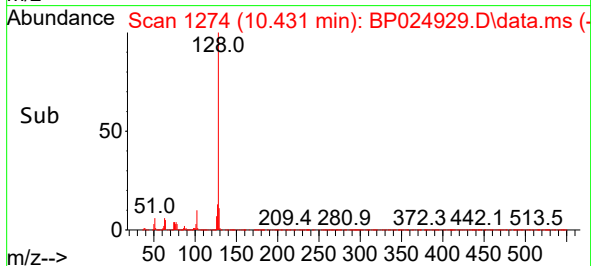
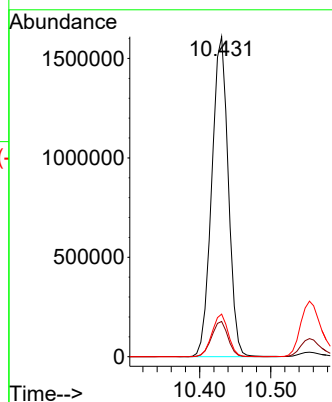
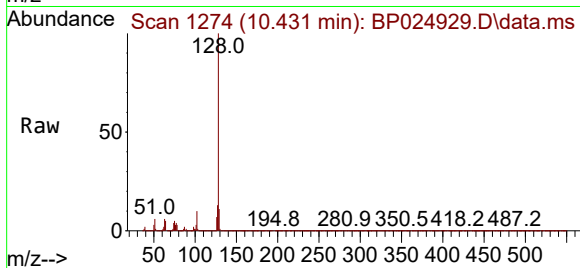
Tgt Ion:128 Resp: 2596306

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

127 13.3 10.7 16.1



#32

Benzoic acid

Concen: 60.183 ng

RT: 9.790 min Scan# 1165

Delta R.T. 0.029 min

Lab File: BP024929.D

Acq: 12 Jun 2025 14:30

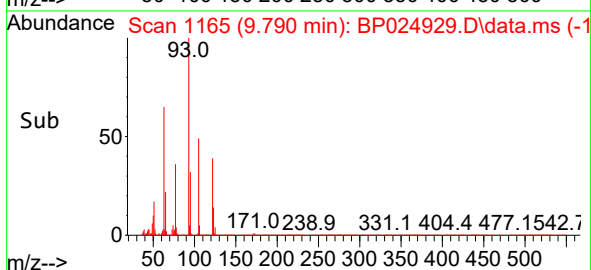
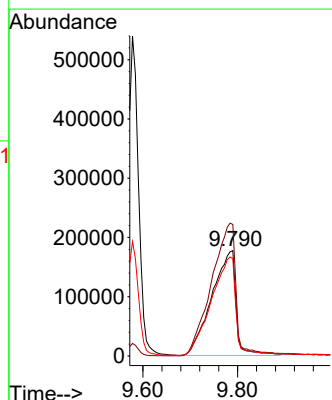
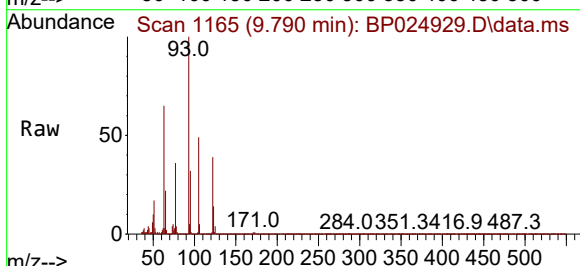
Tgt Ion:122 Resp: 631614

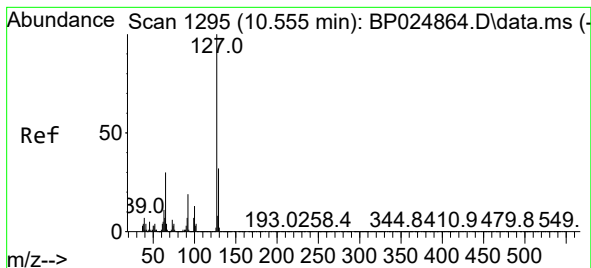
Ion Ratio Lower Upper

122 100

105 124.8 107.1 147.1

77 92.4 75.1 115.1

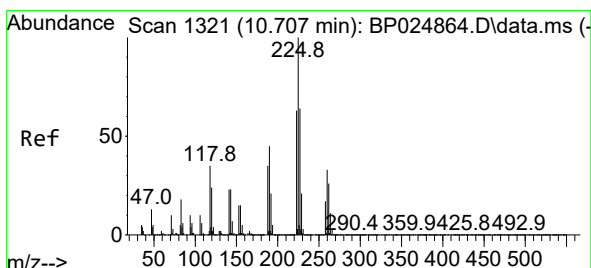
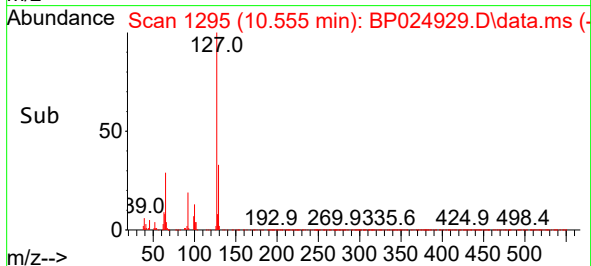
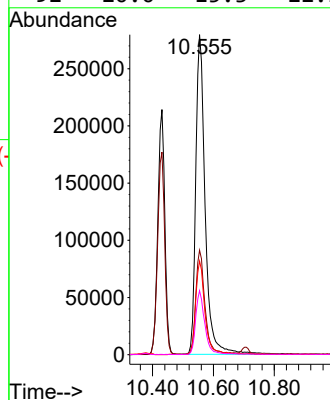
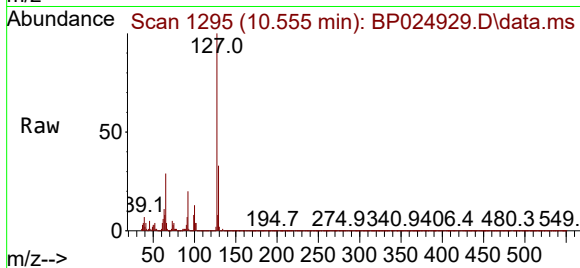




#33
4-Chloroaniline
Concen: 27.834 ng
RT: 10.555 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

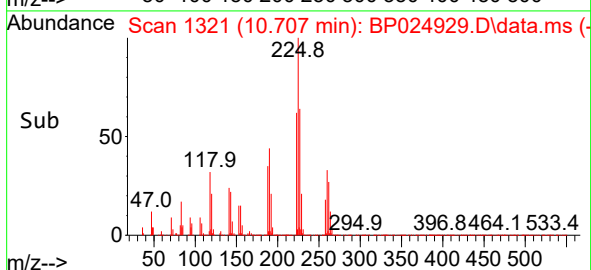
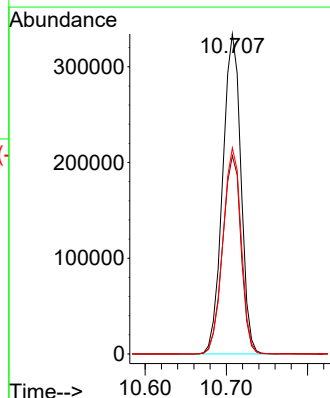
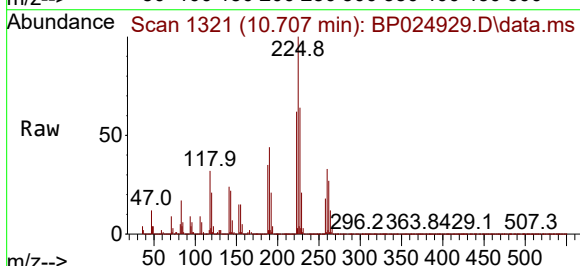
Instrument :
BNA_P
ClientSampleId :
RT-4643MSD

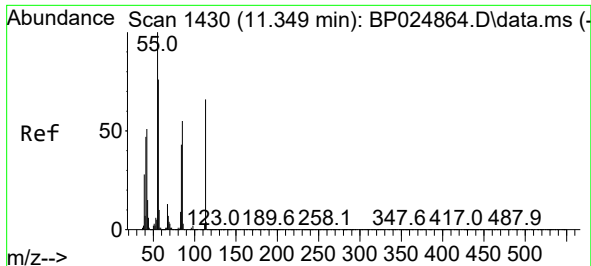
Tgt Ion:	127	Resp:	601183
Ion	Ratio	Lower	Upper
127	100		
129	32.7	25.9	38.9
65	29.3	23.9	35.9
92	20.0	15.3	22.9



#34
Hexachlorobutadiene
Concen: 51.562 ng
RT: 10.707 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

Tgt Ion:	225	Resp:	522326
Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.5	75.7
227	64.4	51.4	77.2

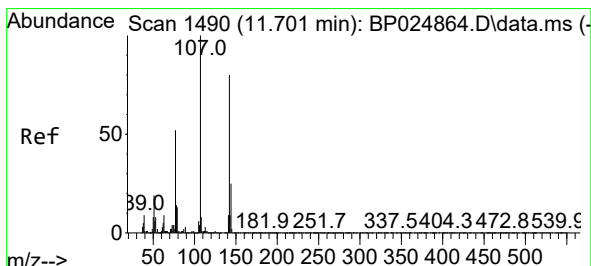
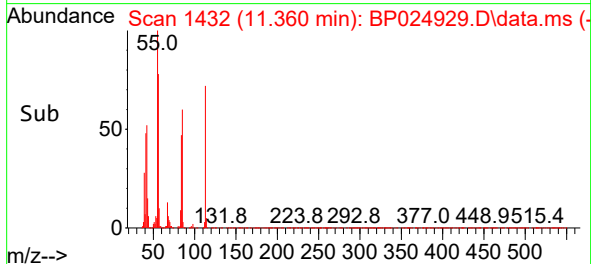
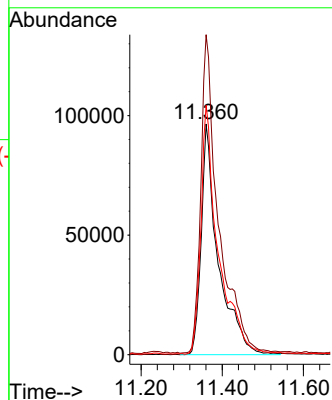
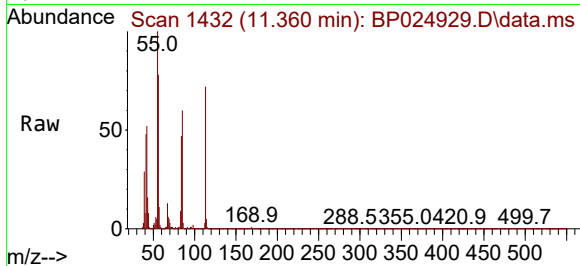




#35
Caprolactam
Concen: 51.301 ng
RT: 11.360 min Scan# 1432
Delta R.T. 0.012 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

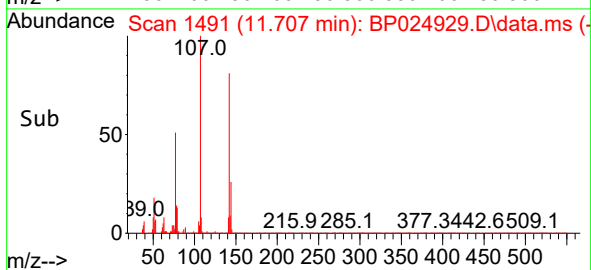
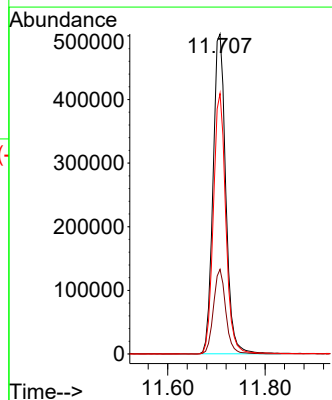
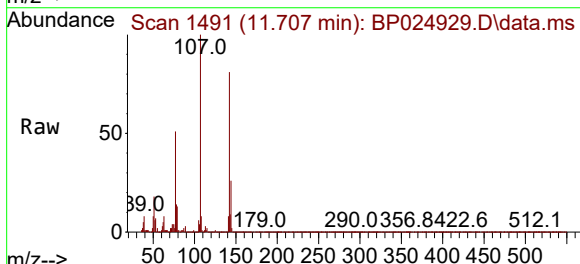
Instrument :
BNA_P
ClientSampleId :
RT-4643MSD

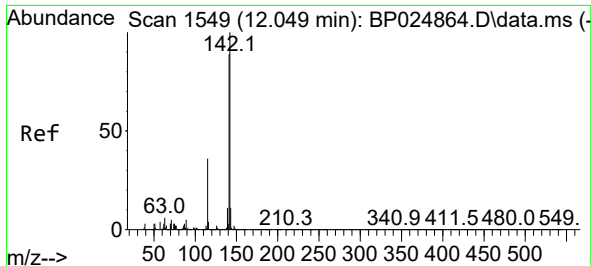
Tgt Ion:113 Resp: 281402
Ion Ratio Lower Upper
113 100
55 138.6 132.5 172.5
56 108.0 96.0 136.0



#36
4-Chloro-3-methylphenol
Concen: 52.867 ng
RT: 11.707 min Scan# 1491
Delta R.T. 0.006 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

Tgt Ion:107 Resp: 908675
Ion Ratio Lower Upper
107 100
144 26.5 20.4 30.6
142 81.4 63.8 95.6

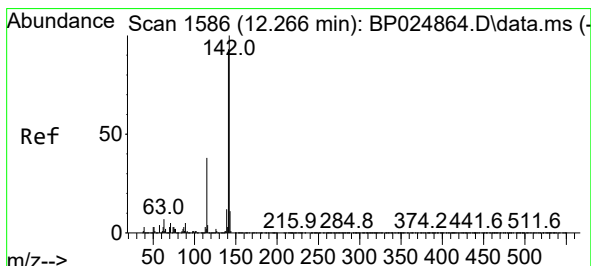
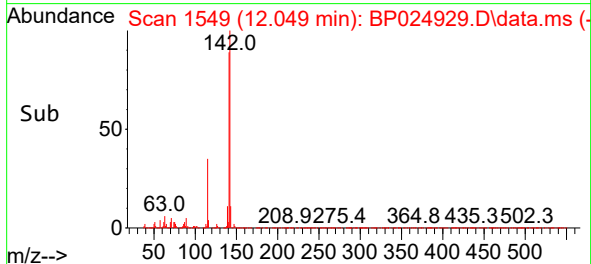
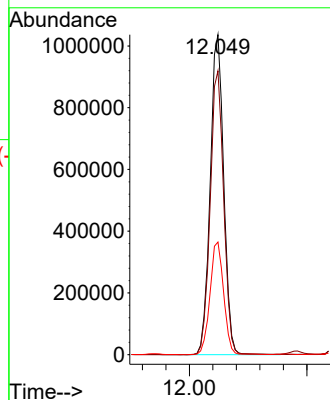
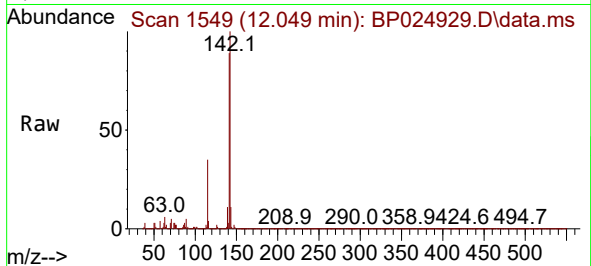




#37
2-Methylnaphthalene
Concen: 50.597 ng
RT: 12.049 min Scan# 1549
Delta R.T. 0.000 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

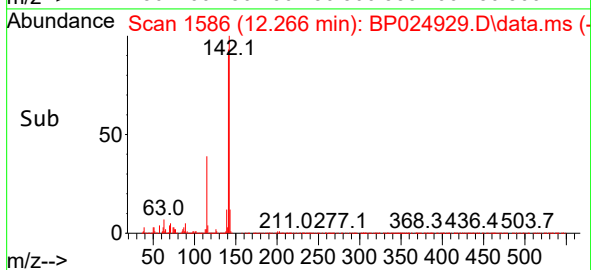
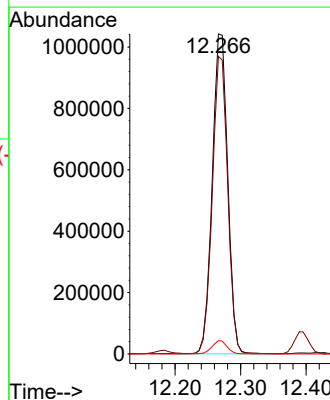
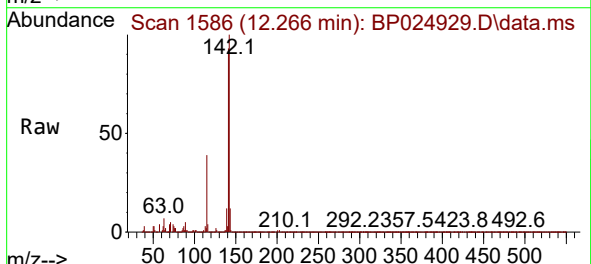
Instrument :
BNA_P
ClientSampleId :
RT-4643MSD

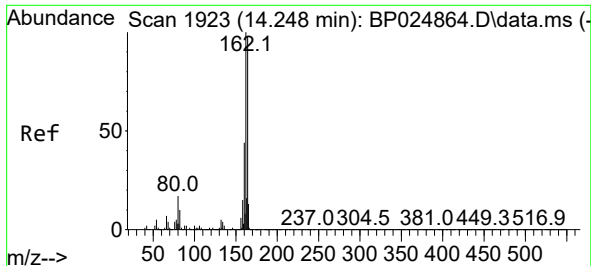
Tgt Ion:142 Resp: 1654574
Ion Ratio Lower Upper
142 100
141 88.7 71.2 106.8
115 35.2 28.5 42.7



#38
1-Methylnaphthalene
Concen: 48.748 ng
RT: 12.266 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

Tgt Ion:142 Resp: 1704311
Ion Ratio Lower Upper
142 100
141 93.0 74.7 112.1
116 4.2 3.4 5.0

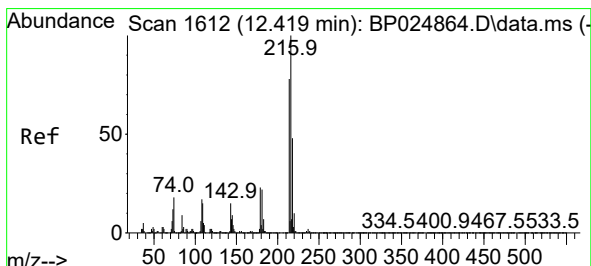
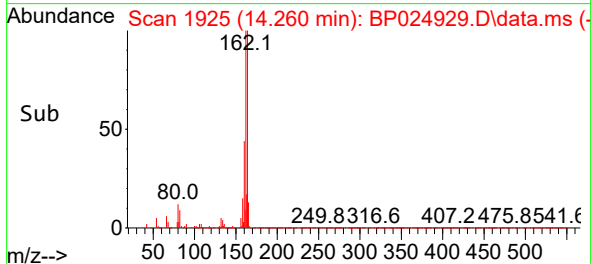
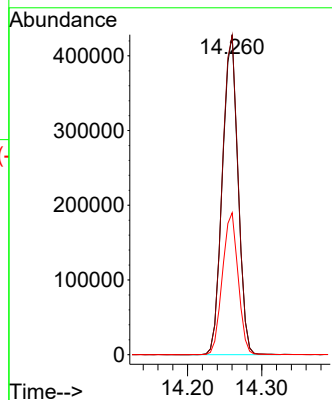
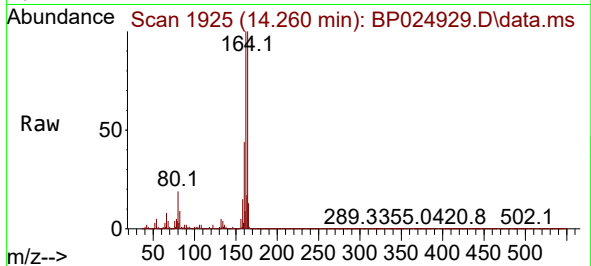




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.260 min Scan# 1925
Delta R.T. 0.012 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

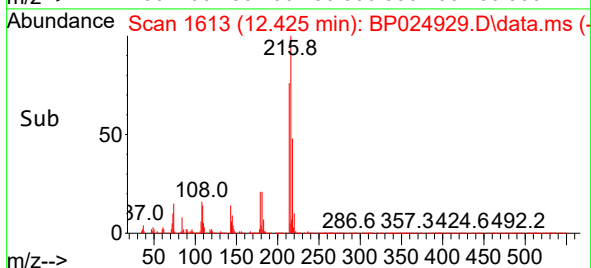
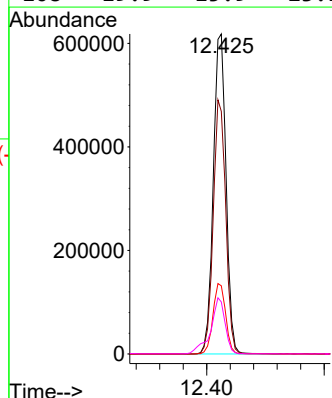
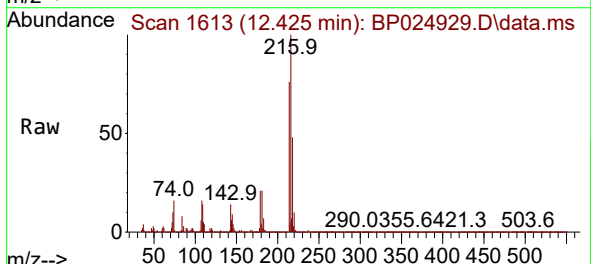
Instrument :
BNA_P
ClientSampleId :
RT-4643MSD

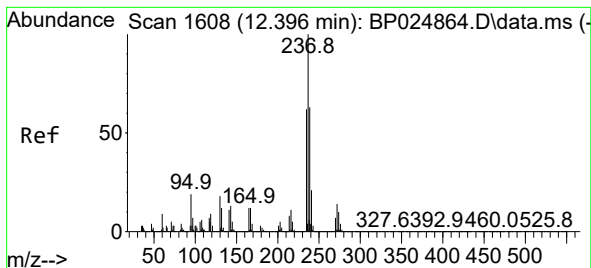
Tgt Ion:164 Resp: 624612
Ion Ratio Lower Upper
164 100
162 99.7 81.6 122.4
160 44.4 36.2 54.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 52.306 ng
RT: 12.425 min Scan# 1613
Delta R.T. 0.006 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

Tgt Ion:216 Resp: 927046
Ion Ratio Lower Upper
216 100
214 78.1 63.0 94.4
179 22.0 17.8 26.6
108 19.9 15.9 23.9





#41

Hexachlorocyclopentadiene

Concen: 87.690 ng

RT: 12.396 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP024929.D

Acq: 12 Jun 2025 14:30

Instrument :

BNA_P

ClientSampleId :

RT-4643MSD

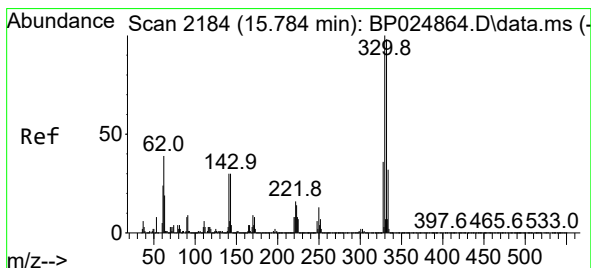
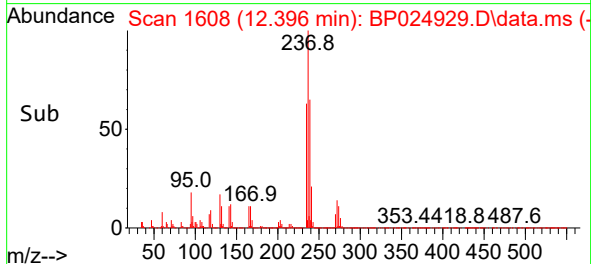
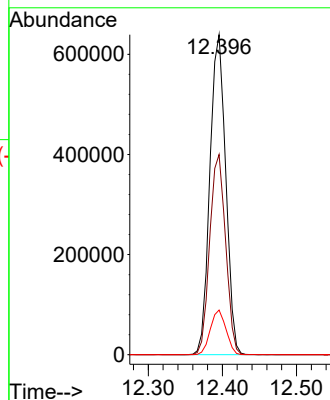
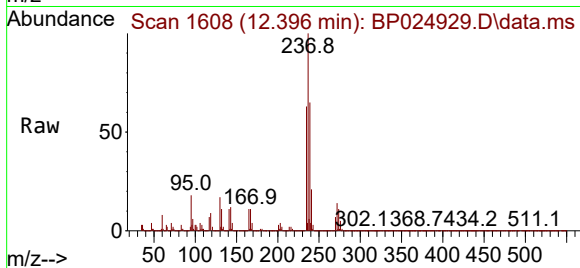
Tgt Ion:237 Resp: 947956

Ion Ratio Lower Upper

237 100

235 62.5 41.9 81.9

272 14.0 0.0 33.7



#42

2,4,6-Tribromophenol

Concen: 136.524 ng

RT: 15.784 min Scan# 2184

Delta R.T. 0.000 min

Lab File: BP024929.D

Acq: 12 Jun 2025 14:30

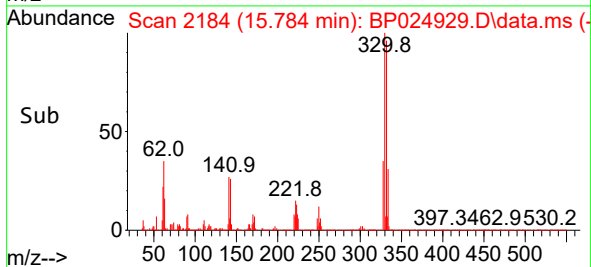
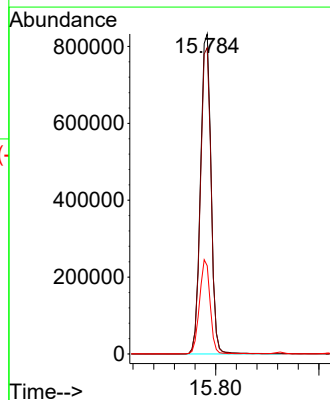
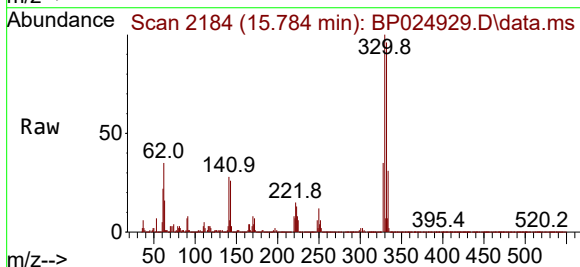
Tgt Ion:330 Resp: 1178968

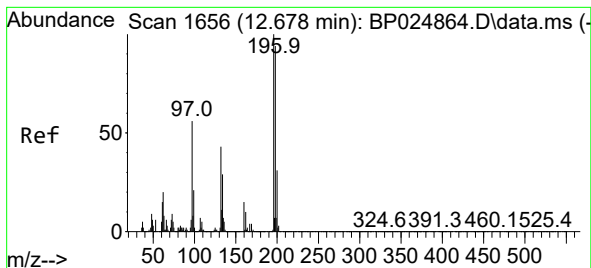
Ion Ratio Lower Upper

330 100

332 96.5 77.7 116.5

141 29.5 26.4 39.6





#43

2,4,6-Trichlorophenol

Concen: 55.573 ng

RT: 12.678 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP024929.D

Acq: 12 Jun 2025 14:30

Instrument :

BNA_P

ClientSampleId :

RT-4643MSD

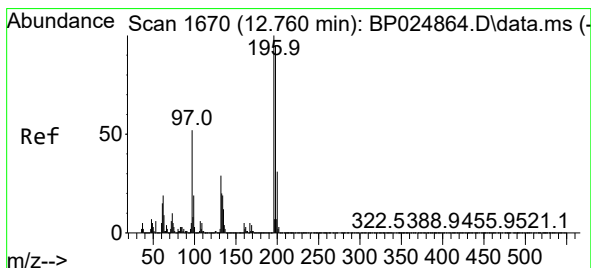
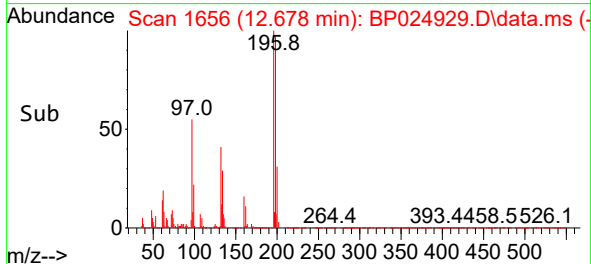
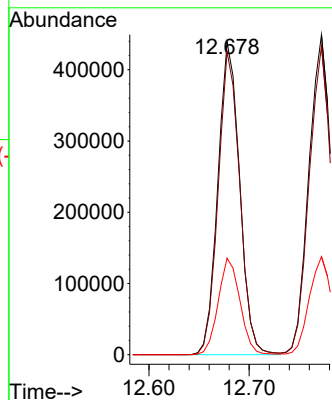
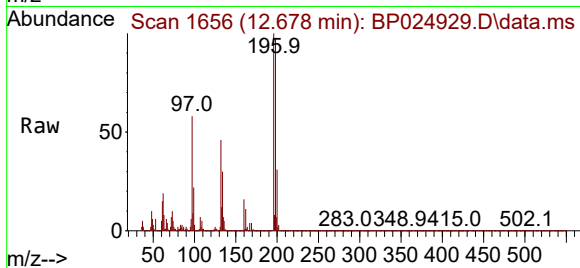
Tgt Ion:196 Resp: 661468

Ion Ratio Lower Upper

196 100

198 97.0 75.4 113.0

200 30.9 24.4 36.6



#44

2,4,5-Trichlorophenol

Concen: 58.109 ng

RT: 12.772 min Scan# 1672

Delta R.T. 0.012 min

Lab File: BP024929.D

Acq: 12 Jun 2025 14:30

Tgt Ion:196 Resp: 740712

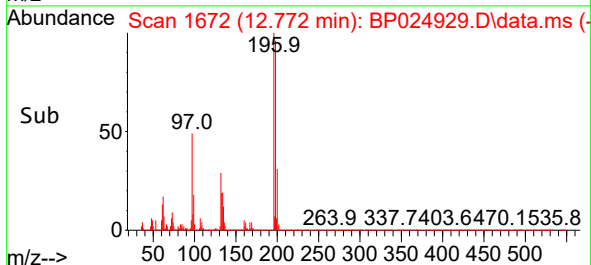
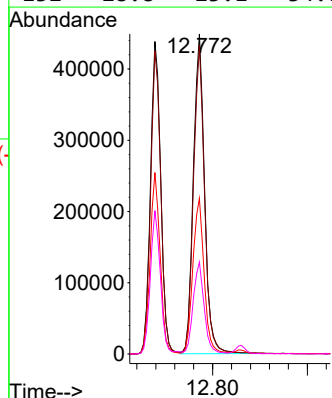
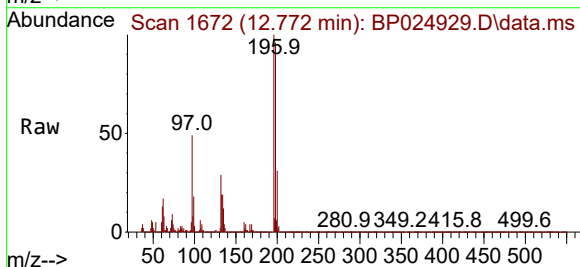
Ion Ratio Lower Upper

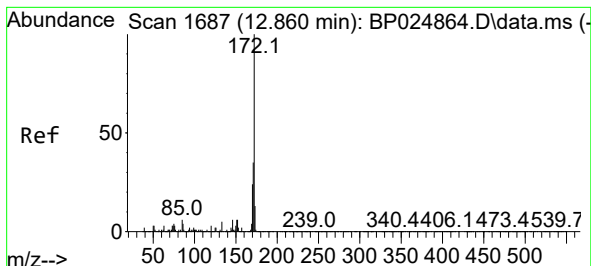
196 100

198 96.5 76.0 114.0

97 48.7 41.5 62.3

132 28.8 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 72.678 ng

RT: 12.860 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP024929.D

Acq: 12 Jun 2025 14:30

Instrument :

BNA_P

ClientSampleId :

RT-4643MSD

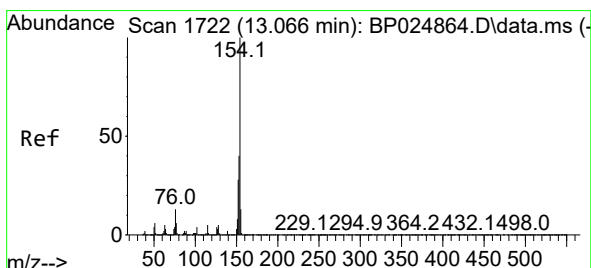
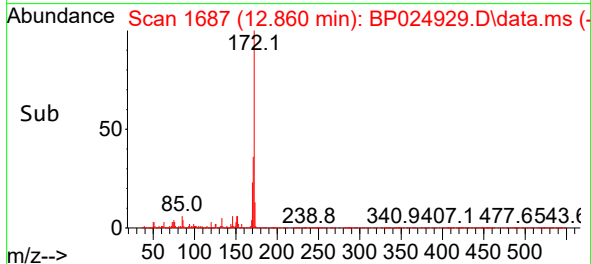
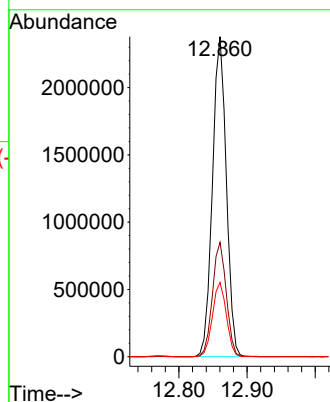
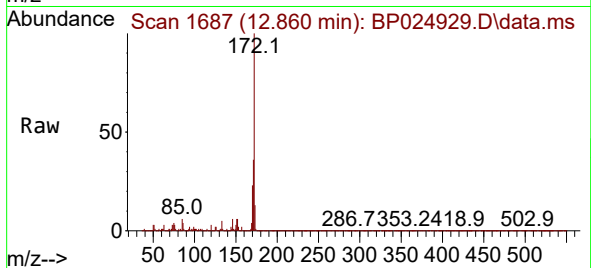
Tgt Ion:172 Resp: 3369818

Ion Ratio Lower Upper

172 100

171 35.8 28.3 42.5

170 23.2 19.0 28.4



#46

1,1'-Biphenyl

Concen: 51.221 ng

RT: 13.072 min Scan# 1723

Delta R.T. 0.006 min

Lab File: BP024929.D

Acq: 12 Jun 2025 14:30

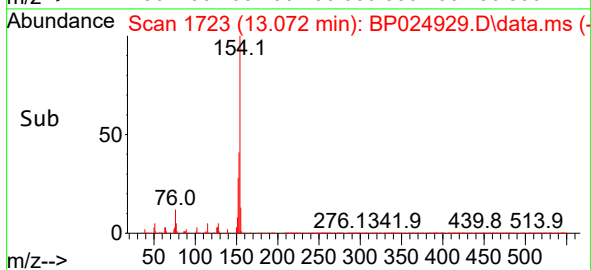
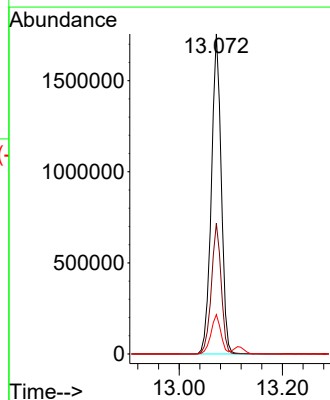
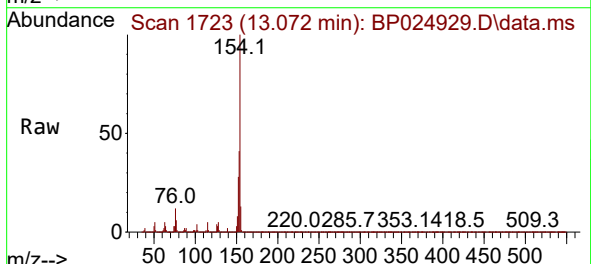
Tgt Ion:154 Resp: 2325020

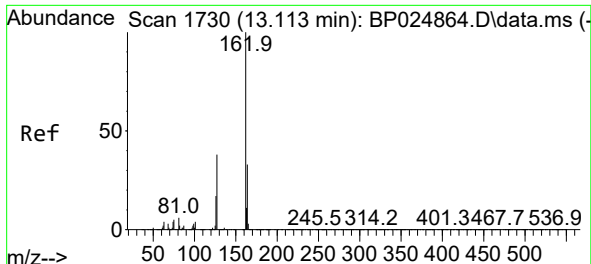
Ion Ratio Lower Upper

154 100

153 40.8 20.3 60.3

76 12.3 0.0 33.0

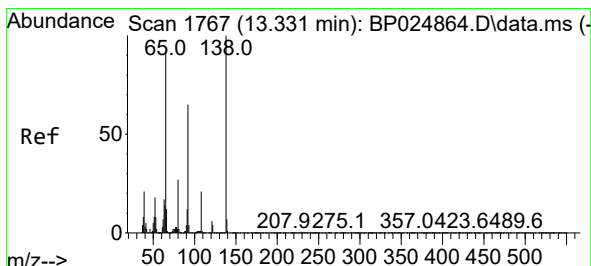
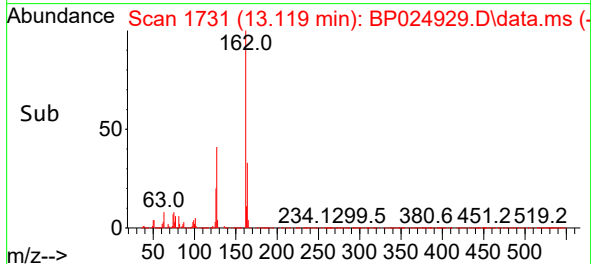
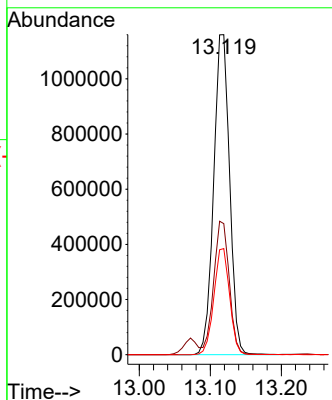
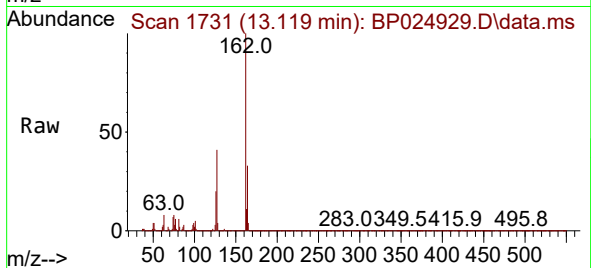




#47
2-Chloronaphthalene
Concen: 51.627 ng
RT: 13.119 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

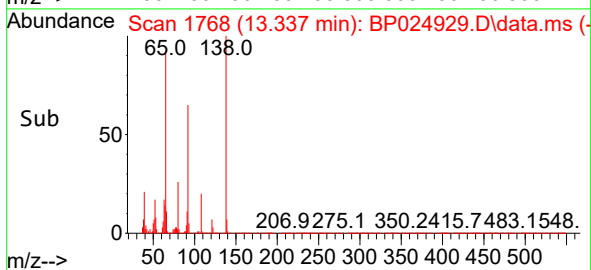
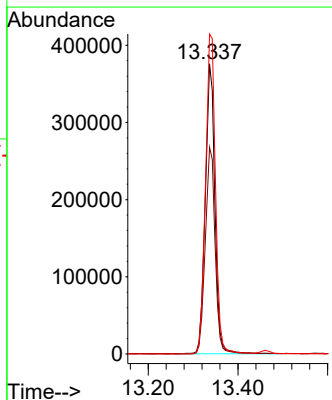
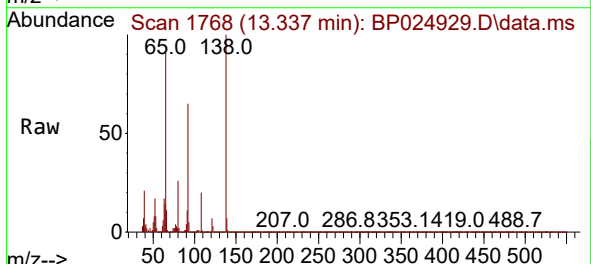
Instrument :
BNA_P
ClientSampleId :
RT-4643MSD

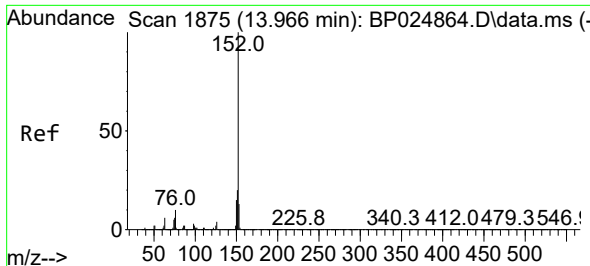
Tgt Ion:162 Resp: 1801120
Ion Ratio Lower Upper
162 100
127 41.0 32.5 48.7
164 33.1 26.2 39.2



#48
2-Nitroaniline
Concen: 52.197 ng
RT: 13.337 min Scan# 1768
Delta R.T. 0.006 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

Tgt Ion: 65 Resp: 559840
Ion Ratio Lower Upper
65 100
92 71.3 56.8 85.2
138 110.3 86.9 130.3

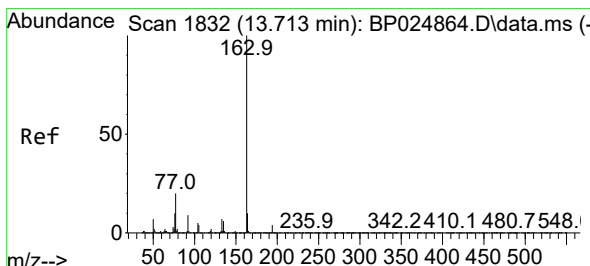
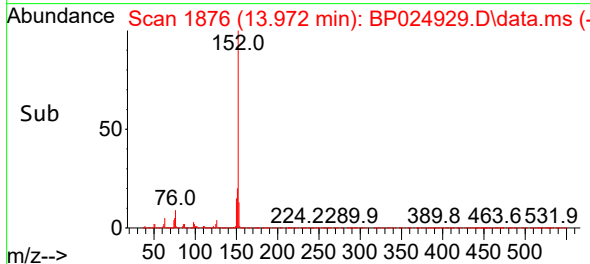
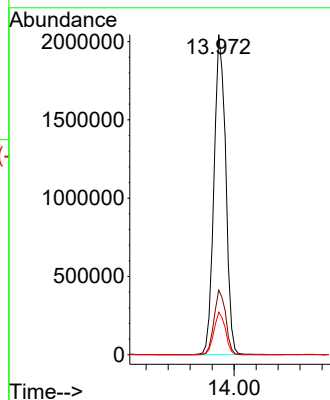
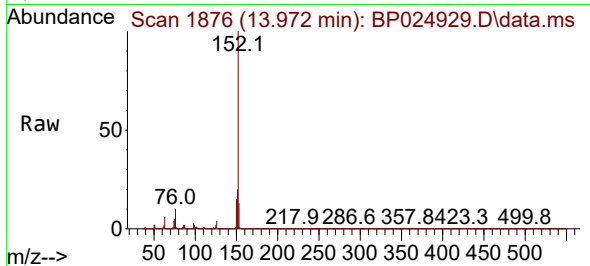




#49
Acenaphthylene
Concen: 52.010 ng
RT: 13.972 min Scan# 1876
Delta R.T. 0.006 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

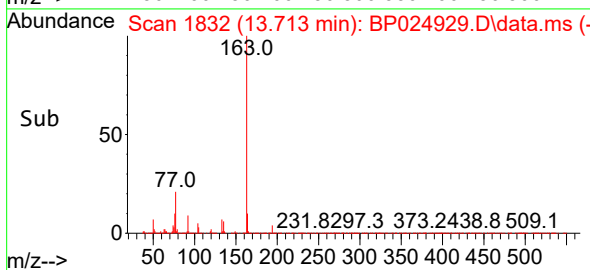
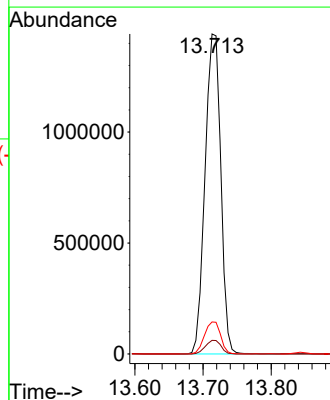
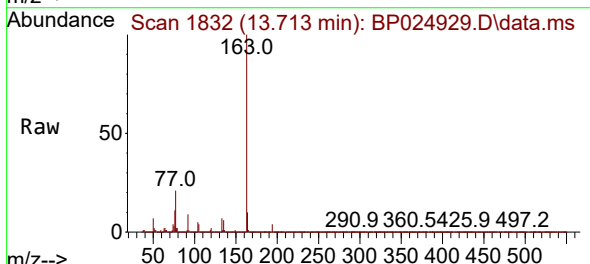
Instrument :
BNA_P
ClientSampleId :
RT-4643MSD

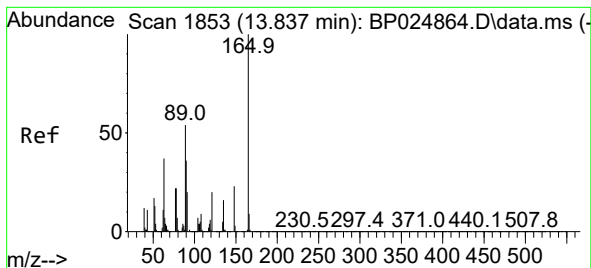
Tgt Ion:152 Resp: 3025428
Ion Ratio Lower Upper
152 100
151 20.1 16.2 24.2
153 13.3 10.6 15.8



#50
Dimethylphthalate
Concen: 50.243 ng
RT: 13.713 min Scan# 1832
Delta R.T. 0.000 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

Tgt Ion:163 Resp: 2315000
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.0
164 10.0 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 52.598 ng

RT: 13.843 min Scan# 1853

Delta R.T. 0.006 min

Lab File: BP024929.D

Acq: 12 Jun 2025 14:30

Instrument :

BNA_P

ClientSampleId :

RT-4643MSD

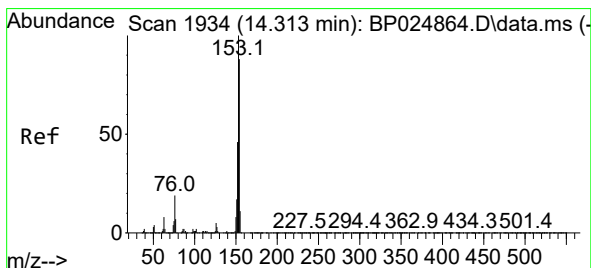
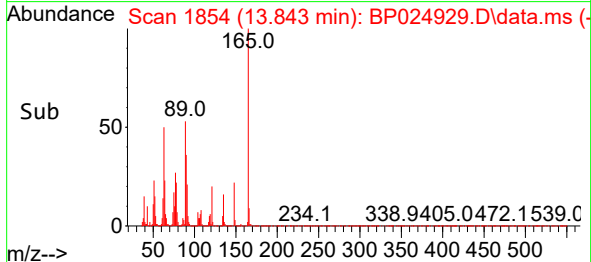
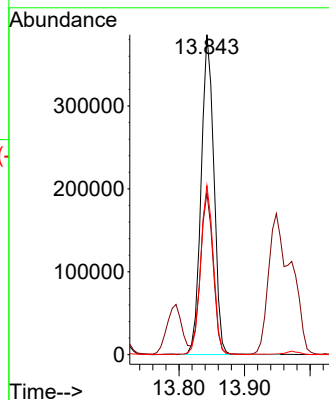
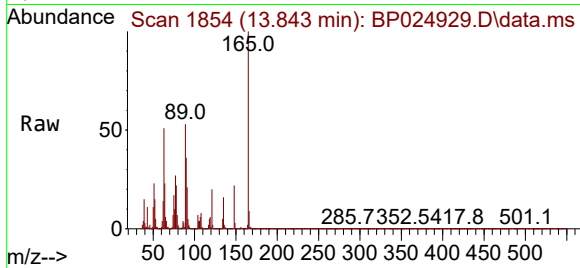
Tgt Ion:165 Resp: 522459

Ion Ratio Lower Upper

165 100

63 50.6 41.8 62.8

89 52.8 43.1 64.7



#52

Acenaphthene

Concen: 52.994 ng

RT: 14.325 min Scan# 1936

Delta R.T. 0.012 min

Lab File: BP024929.D

Acq: 12 Jun 2025 14:30

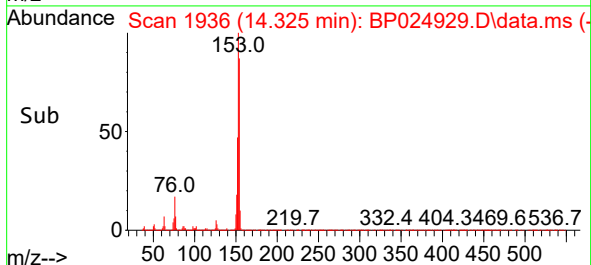
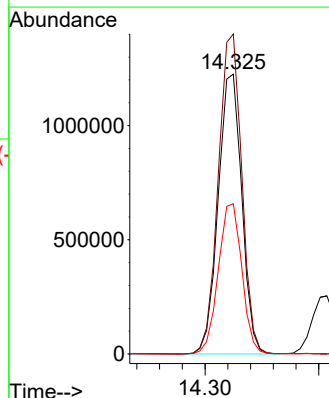
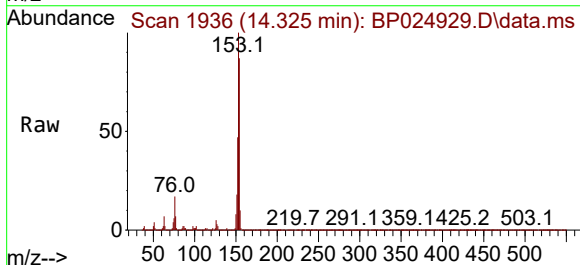
Tgt Ion:154 Resp: 1766459

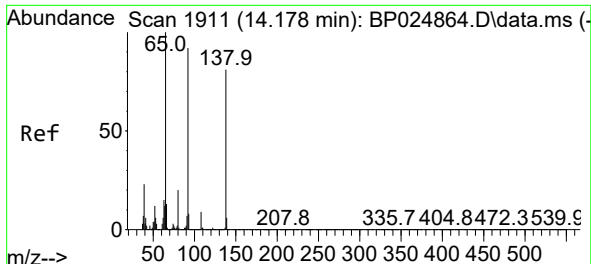
Ion Ratio Lower Upper

154 100

153 114.3 90.5 135.7

152 53.7 42.1 63.1

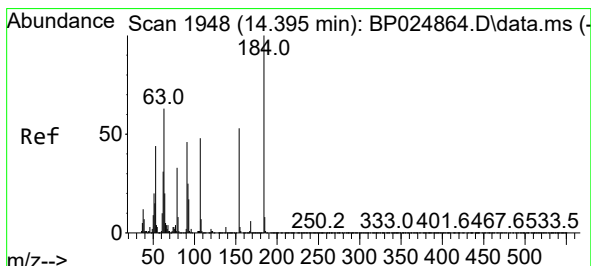
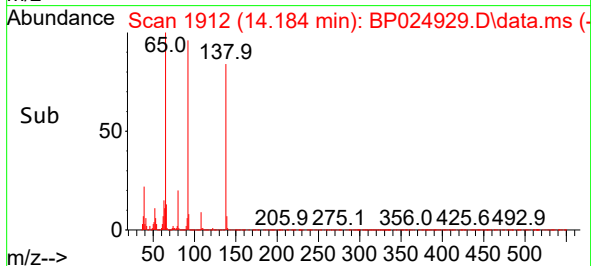
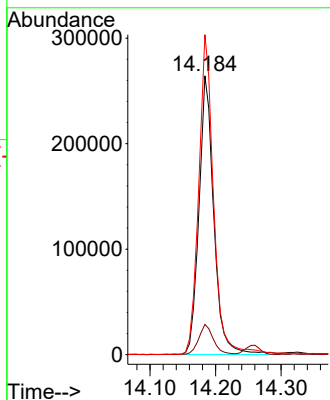
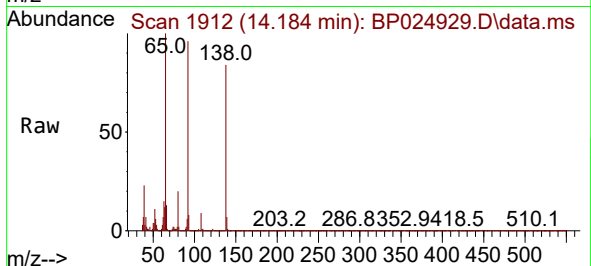




#53
3-Nitroaniline
Concen: 40.521 ng
RT: 14.184 min Scan# 1911
Delta R.T. 0.006 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

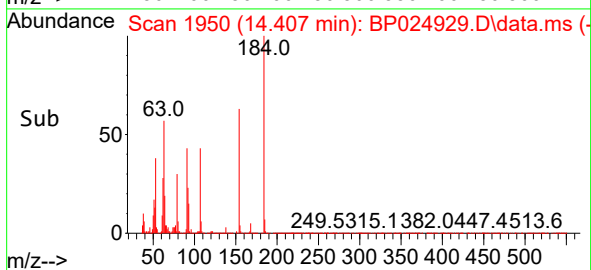
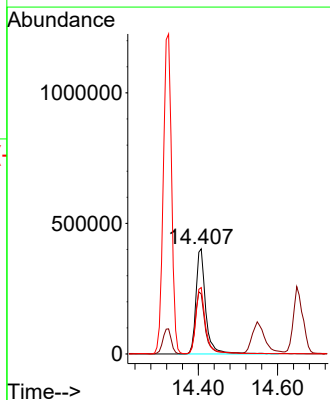
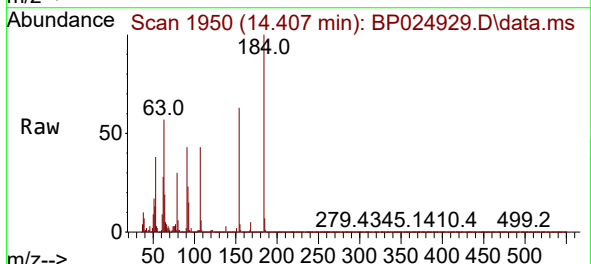
Instrument :
BNA_P
ClientSampleId :
RT-4643MSD

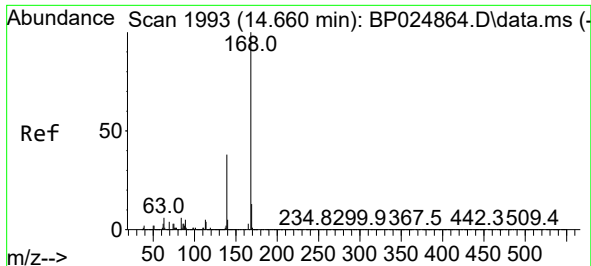
Tgt Ion:138 Resp: 417701
Ion Ratio Lower Upper
138 100
108 10.9 8.6 12.8
92 114.7 91.3 136.9



#54
2,4-Dinitrophenol
Concen: 104.212 ng
RT: 14.407 min Scan# 1950
Delta R.T. 0.012 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

Tgt Ion:184 Resp: 685756
Ion Ratio Lower Upper
184 100
63 57.1 51.0 76.4
154 63.2 51.7 77.5

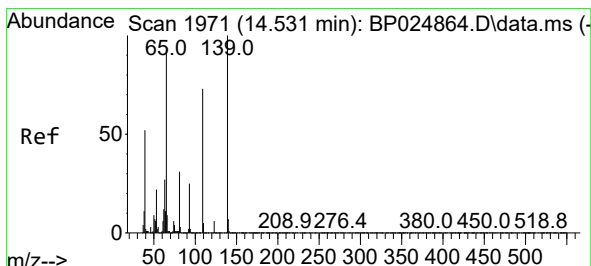
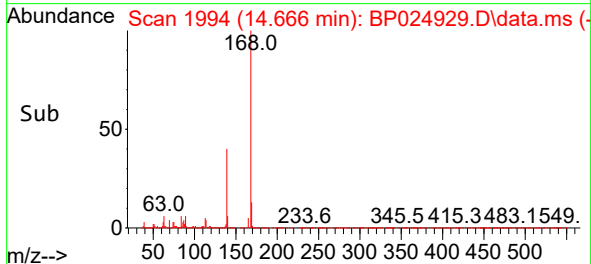
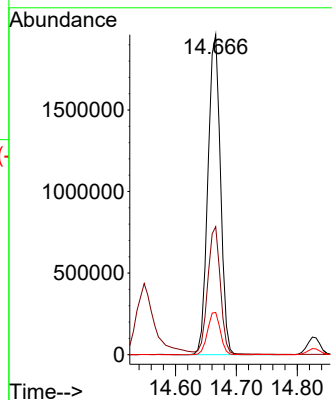
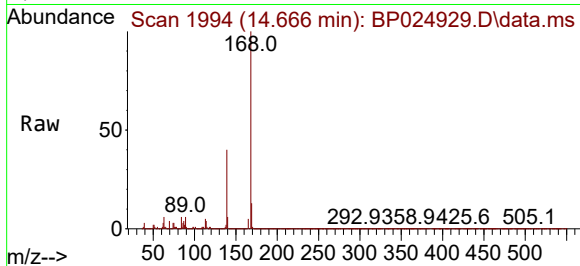




#55
Dibenzenofuran
Concen: 52.411 ng
RT: 14.666 min Scan# 1993
Delta R.T. 0.006 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

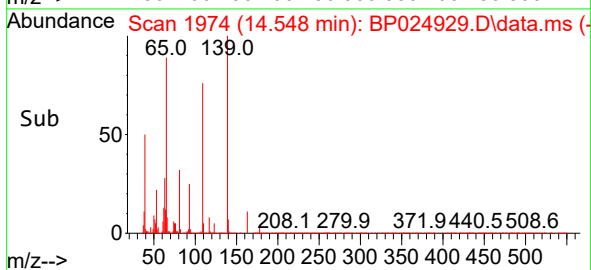
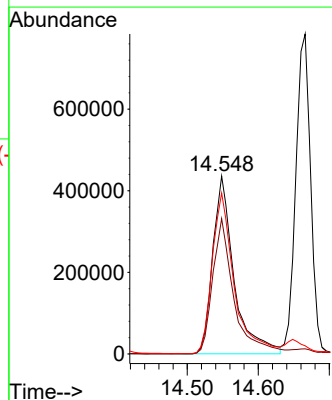
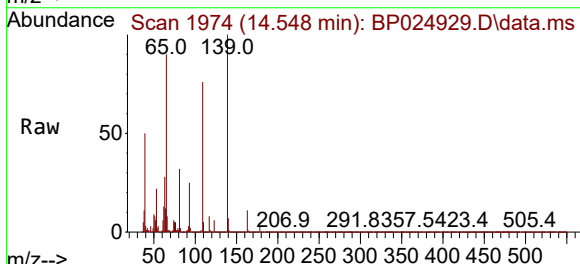
Instrument :
BNA_P
ClientSampleId :
RT-4643MSD

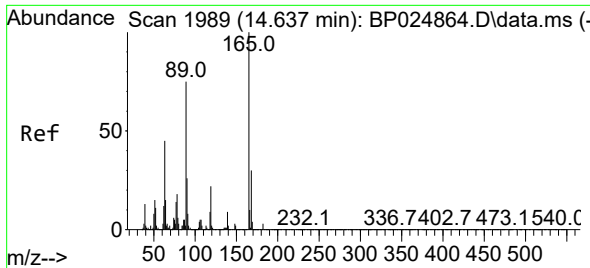
Tgt Ion:168 Resp: 2804311
Ion Ratio Lower Upper
168 100
139 40.0 31.6 47.4
169 13.2 10.6 15.8



#56
4-Nitrophenol
Concen: 102.314 ng
RT: 14.548 min Scan# 1974
Delta R.T. 0.017 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

Tgt Ion:139 Resp: 906999
Ion Ratio Lower Upper
139 100
109 76.1 53.1 93.1
65 90.5 73.0 113.0

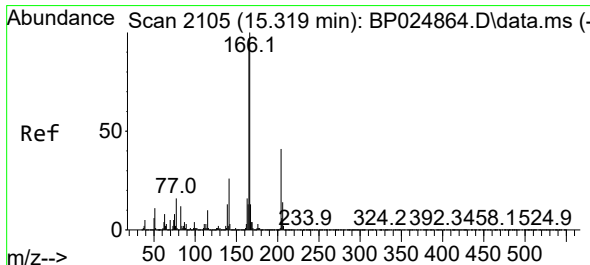
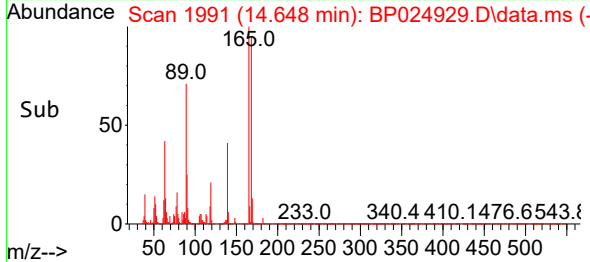
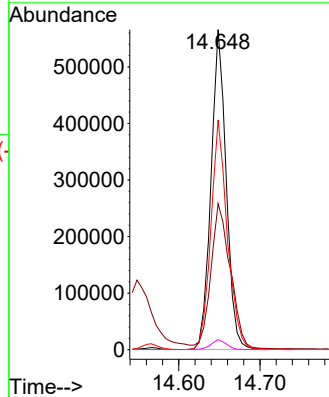
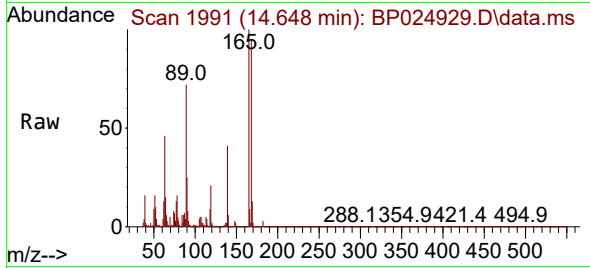




#57
2,4-Dinitrotoluene
Concen: 52.794 ng
RT: 14.648 min Scan# 1989
Delta R.T. 0.011 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

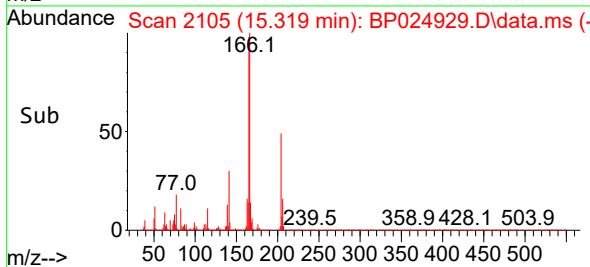
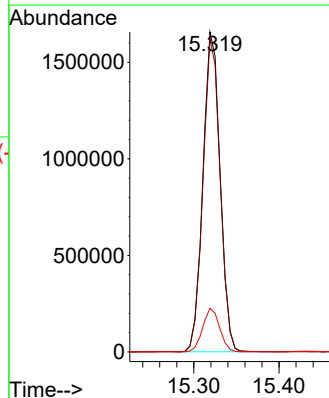
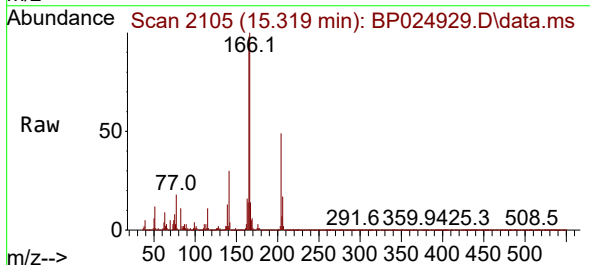
Instrument :
BNA_P
ClientSampleId :
RT-4643MSD

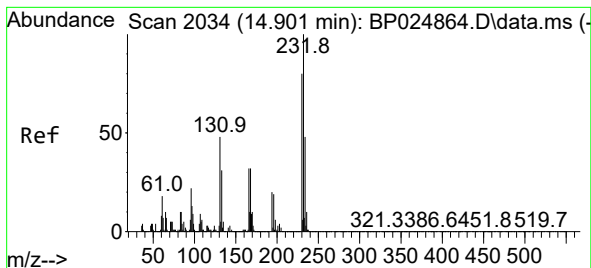
Tgt Ion:165 Resp: 733570
Ion Ratio Lower Upper
165 100
63 45.6 37.0 55.6
89 71.8 60.1 90.1
182 3.1 2.4 3.6



#58
Fluorene
Concen: 53.624 ng
RT: 15.319 min Scan# 2105
Delta R.T. 0.000 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

Tgt Ion:166 Resp: 2317802
Ion Ratio Lower Upper
166 100
165 97.8 77.7 116.5
167 13.7 10.6 16.0

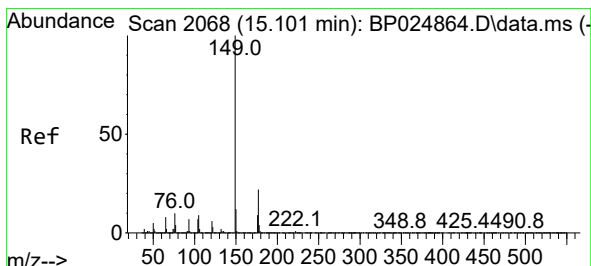
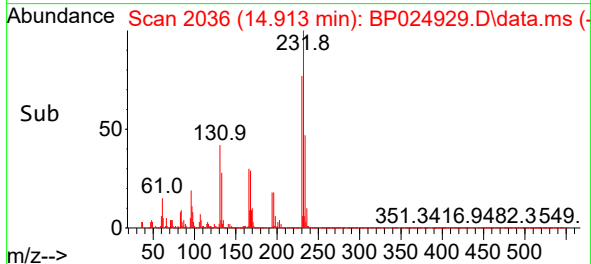
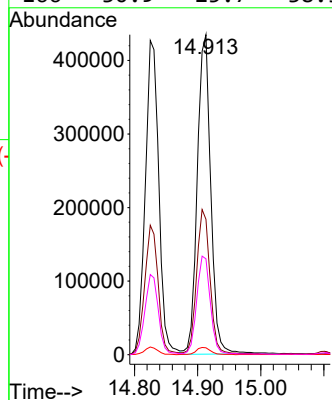
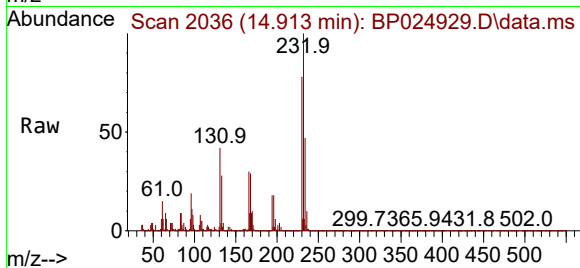




#59
2,3,4,6-Tetrachlorophenol
Concen: 56.392 ng
RT: 14.913 min Scan# 2036
Delta R.T. 0.012 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

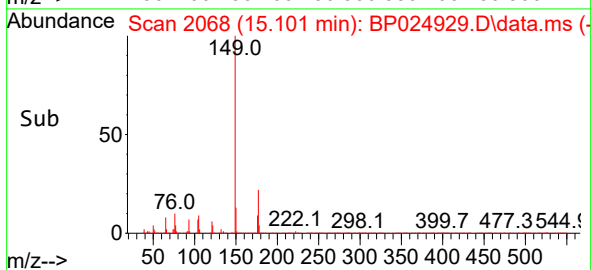
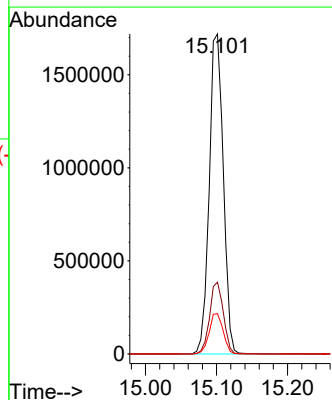
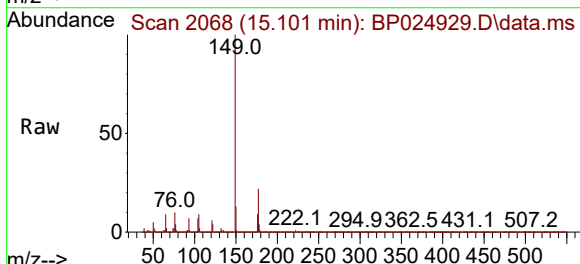
Instrument :
BNA_P
ClientSampleId :
RT-4643MSD

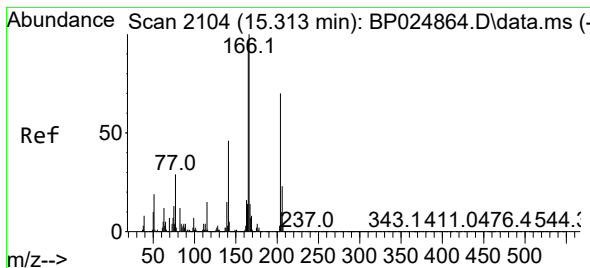
Tgt Ion:232 Resp: 642253
Ion Ratio Lower Upper
232 100
131 45.0 38.2 57.2
130 2.5 2.1 3.1
166 30.9 25.7 38.5



#60
Diethylphthalate
Concen: 51.528 ng
RT: 15.101 min Scan# 2068
Delta R.T. 0.000 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

Tgt Ion:149 Resp: 2366192
Ion Ratio Lower Upper
149 100
177 22.4 17.9 26.9
150 12.6 9.8 14.6

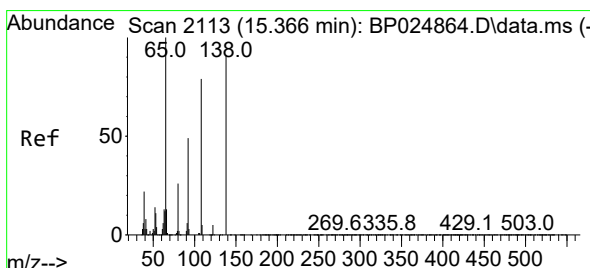
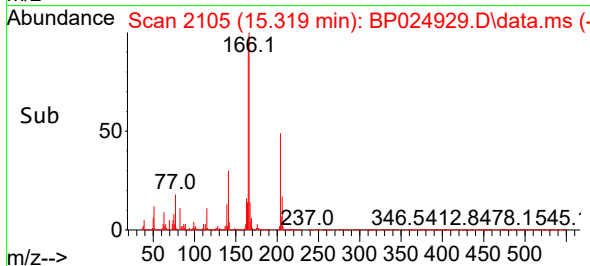
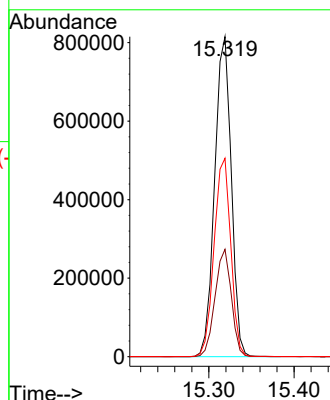
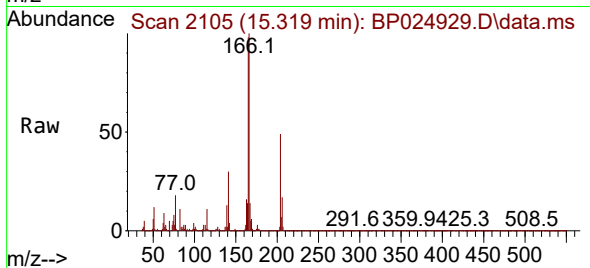




#61
4-Chlorophenyl-phenylether
Concen: 52.150 ng
RT: 15.319 min Scan# 2104
Delta R.T. 0.006 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

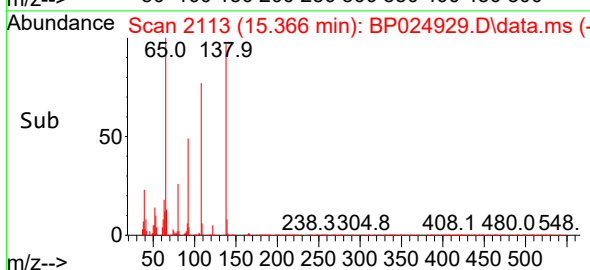
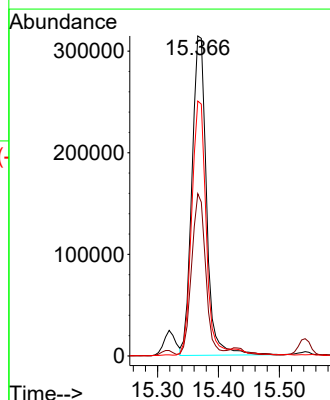
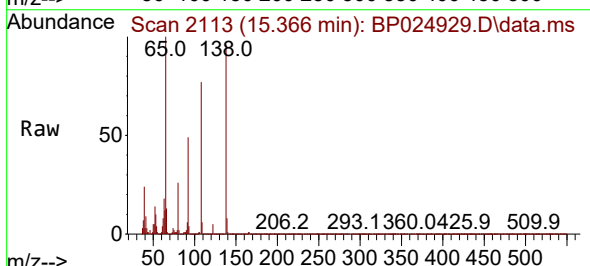
Instrument :
BNA_P
ClientSampleId :
RT-4643MSD

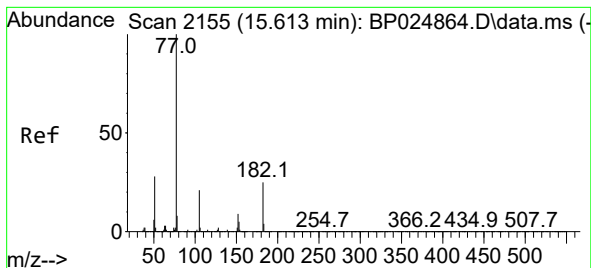
Tgt Ion:204 Resp: 1102149
Ion Ratio Lower Upper
204 100
206 33.5 26.6 40.0
141 62.0 52.4 78.6



#62
4-Nitroaniline
Concen: 56.055 ng
RT: 15.366 min Scan# 2113
Delta R.T. 0.000 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

Tgt Ion:138 Resp: 523926
Ion Ratio Lower Upper
138 100
92 50.7 33.5 73.5
108 79.6 65.1 105.1





#63

Azobenzene

Concen: 52.830 ng

RT: 15.619 min Scan# 2155

Delta R.T. 0.006 min

Lab File: BP024929.D

Acq: 12 Jun 2025 14:30

Instrument :

BNA_P

ClientSampleId :

RT-4643MSD

Tgt Ion: 77 Resp: 2224941

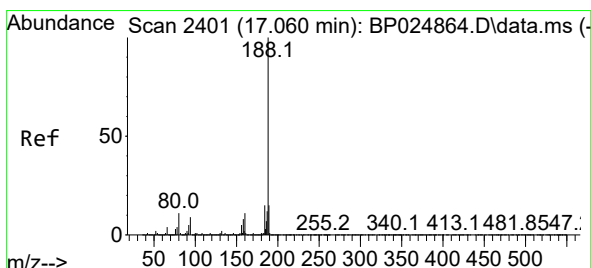
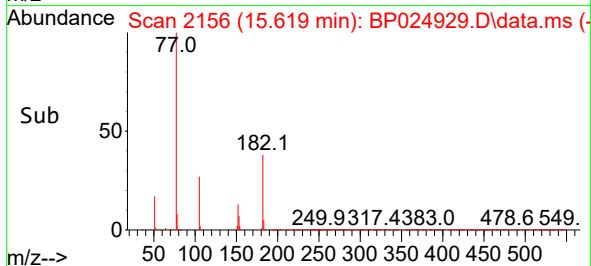
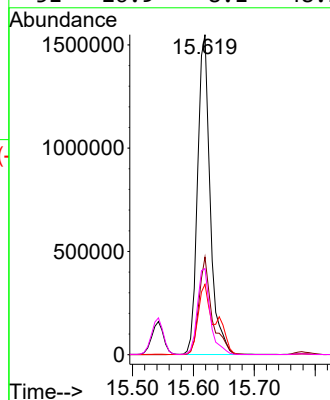
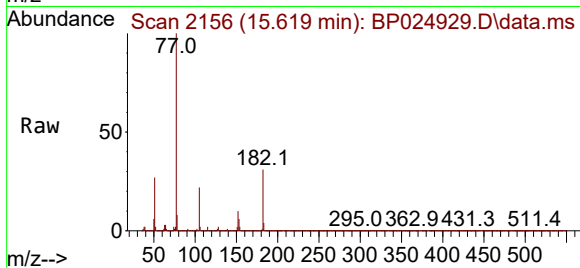
Ion Ratio Lower Upper

77 100

182 30.5 5.4 45.4

105 22.0 0.8 40.8

51 26.9 8.1 48.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.060 min Scan# 2401

Delta R.T. 0.000 min

Lab File: BP024929.D

Acq: 12 Jun 2025 14:30

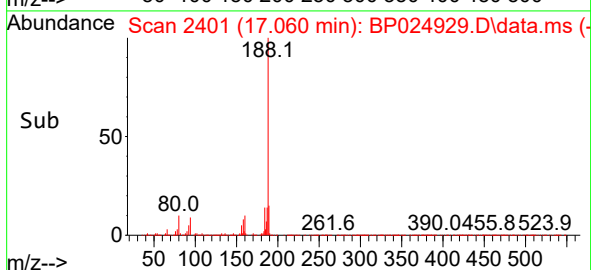
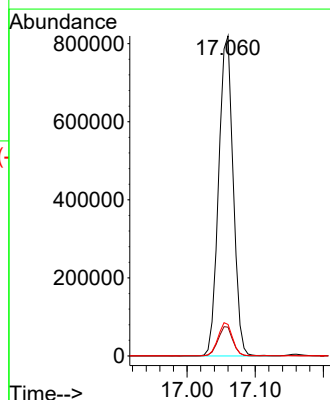
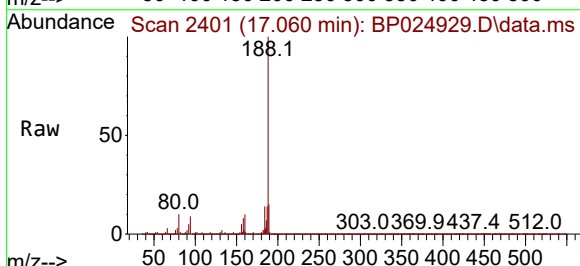
Tgt Ion:188 Resp: 1216596

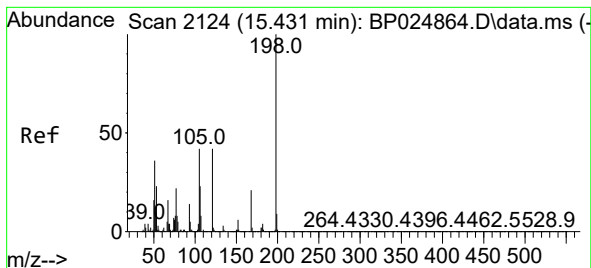
Ion Ratio Lower Upper

188 100

94 9.0 7.3 10.9

80 9.8 8.5 12.7

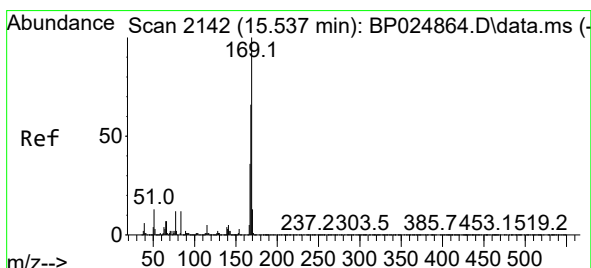
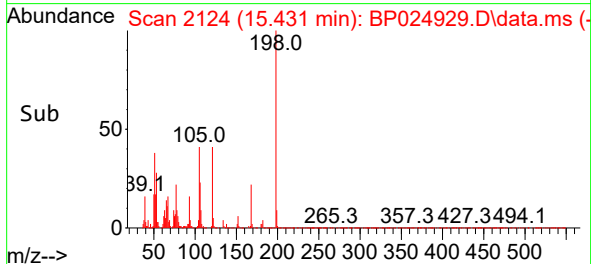
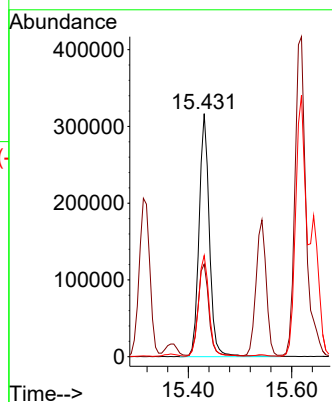
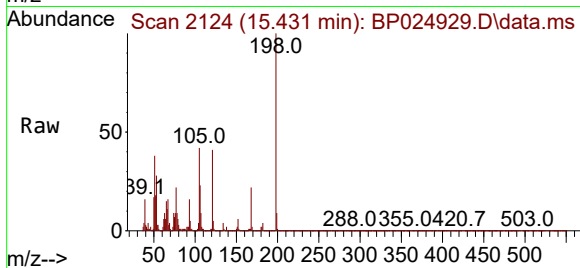




#65
4,6-Dinitro-2-methylphenol
Concen: 54.574 ng
RT: 15.431 min Scan# 2124
Delta R.T. 0.000 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

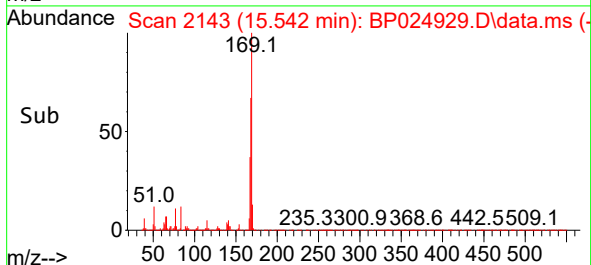
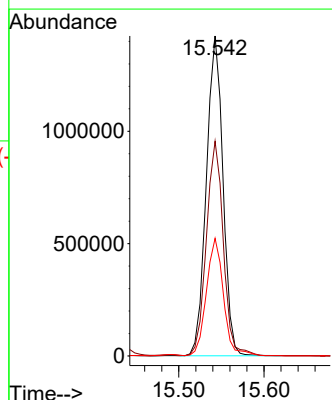
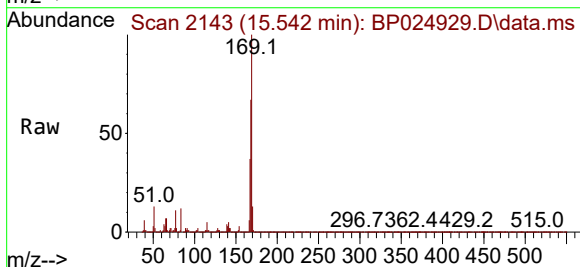
Instrument :
BNA_P
ClientSampleId :
RT-4643MSD

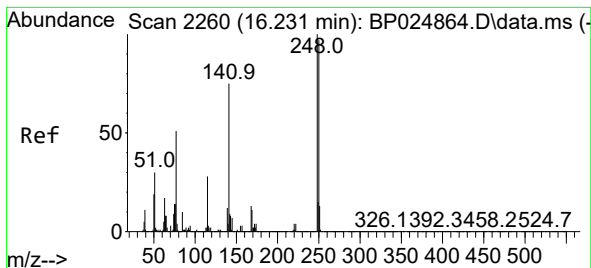
Tgt Ion:198 Resp: 436269
Ion Ratio Lower Upper
198 100
51 38.1 19.2 59.2
105 41.6 22.6 62.6



#66
n-Nitrosodiphenylamine
Concen: 51.073 ng
RT: 15.542 min Scan# 2143
Delta R.T. 0.006 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

Tgt Ion:169 Resp: 1925906
Ion Ratio Lower Upper
169 100
168 67.1 53.0 79.6
167 36.8 28.6 43.0

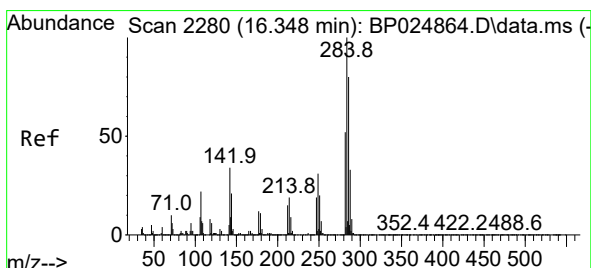
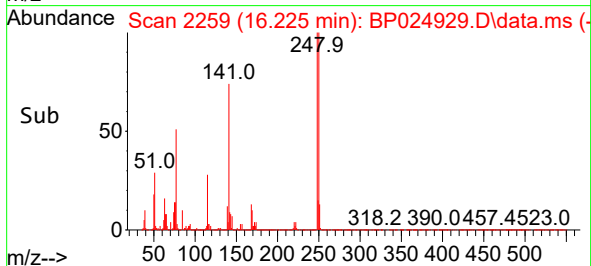
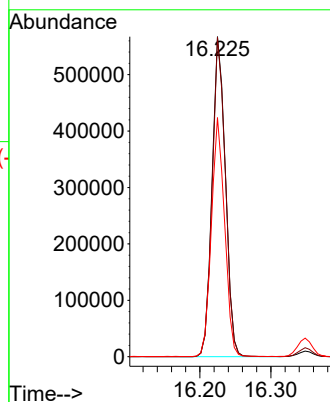
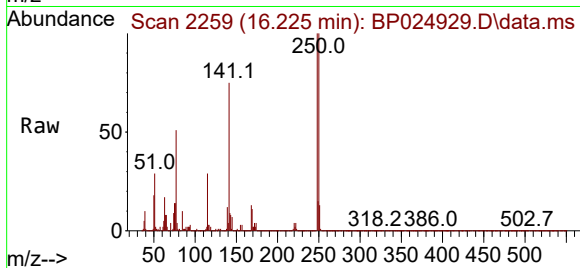




#67
4-Bromophenyl-phenylether
Concen: 53.953 ng
RT: 16.225 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

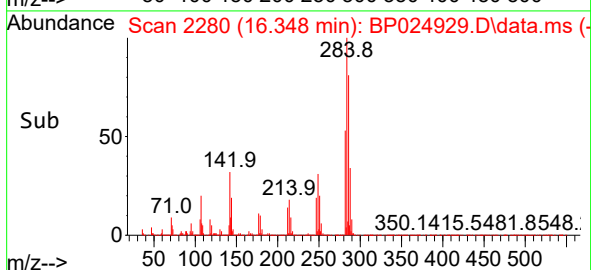
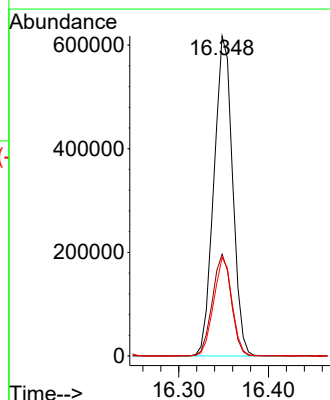
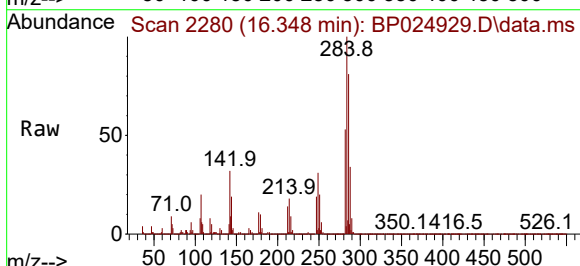
Instrument :
BNA_P
ClientSampleId :
RT-4643MSD

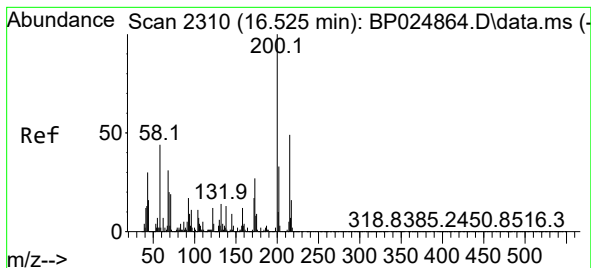
Tgt Ion:248 Resp: 740619
Ion Ratio Lower Upper
248 100
250 99.7 77.4 116.2
141 74.7 59.9 89.9



#68
Hexachlorobenzene
Concen: 53.509 ng
RT: 16.348 min Scan# 2280
Delta R.T. 0.000 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

Tgt Ion:284 Resp: 890463
Ion Ratio Lower Upper
284 100
142 31.8 27.0 40.6
249 30.8 25.0 37.6





#69

Atrazine

Concen: 53.124 ng

RT: 16.525 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP024929.D

Acq: 12 Jun 2025 14:30

Instrument :

BNA_P

ClientSampleId :

RT-4643MSD

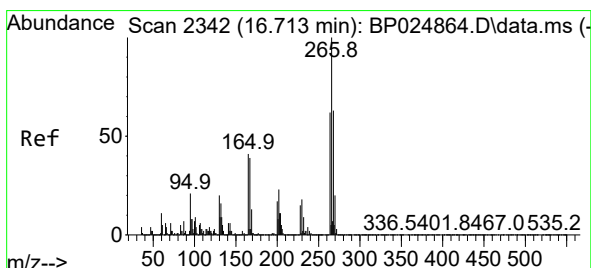
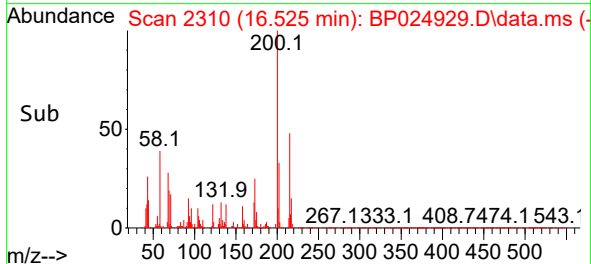
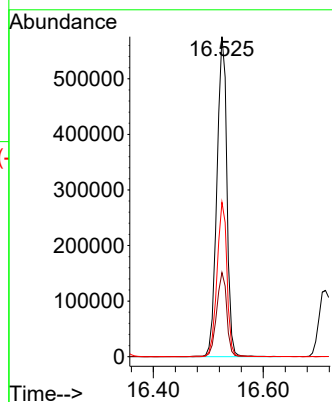
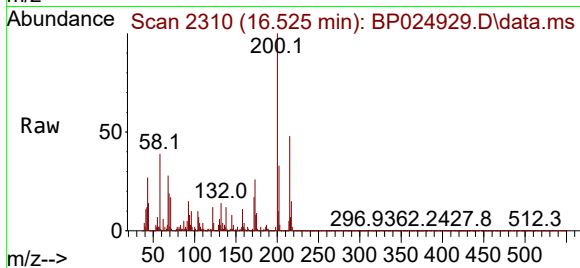
Tgt Ion:200 Resp: 726216

Ion Ratio Lower Upper

200 100

173 26.3 6.9 46.9

215 48.3 28.7 68.7



#70

Pentachlorophenol

Concen: 134.063 ng

RT: 16.713 min Scan# 2342

Delta R.T. 0.000 min

Lab File: BP024929.D

Acq: 12 Jun 2025 14:30

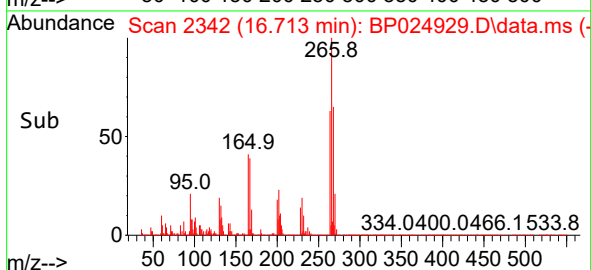
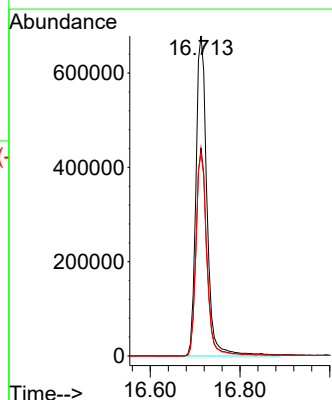
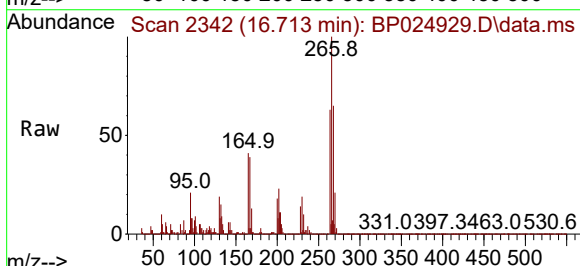
Tgt Ion:266 Resp: 1154649

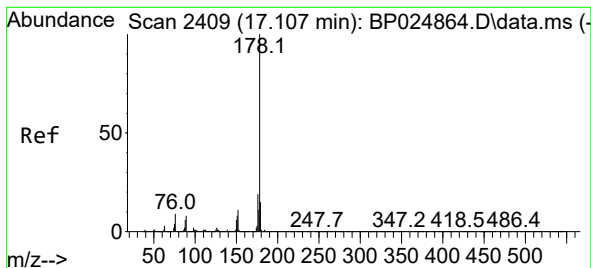
Ion Ratio Lower Upper

266 100

268 65.0 50.6 76.0

264 63.0 49.7 74.5

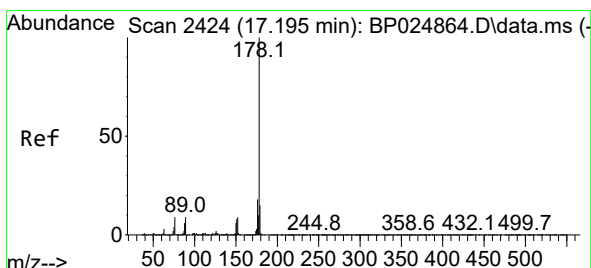
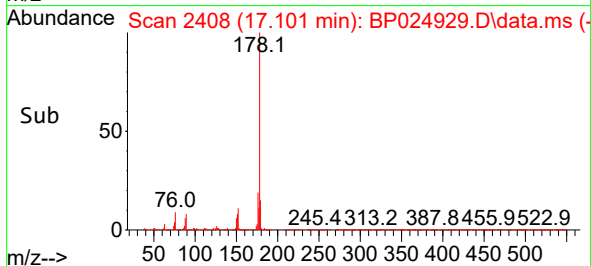
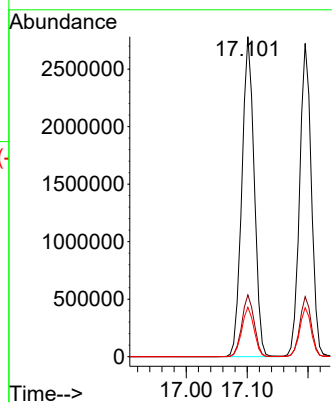
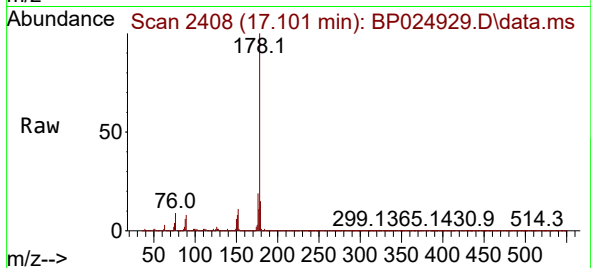




#71
Phenanthrene
Concen: 58.110 ng
RT: 17.101 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

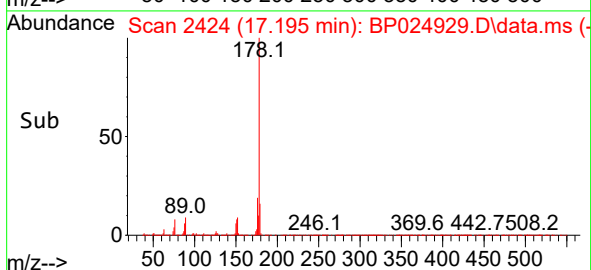
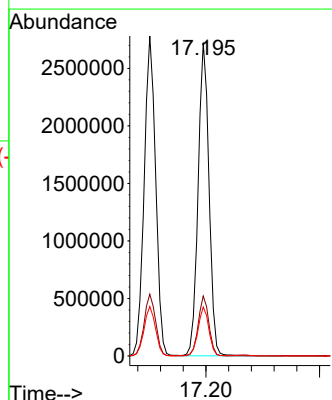
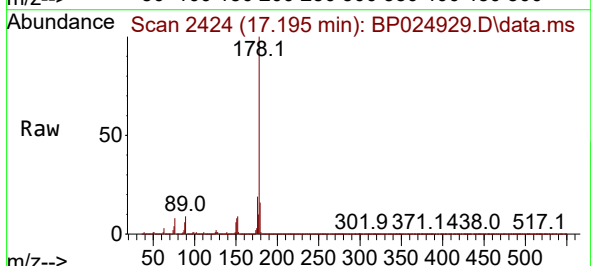
Instrument : BNA_P
ClientSampleId : RT-4643MSD

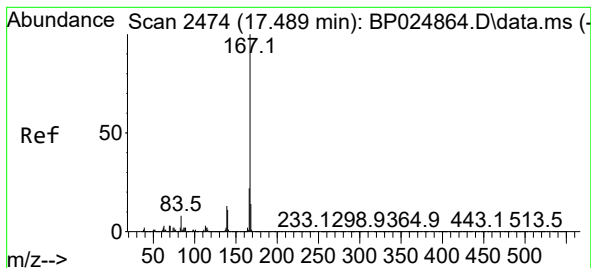
Tgt Ion:178 Resp: 3906792
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.5 12.1 18.1



#72
Anthracene
Concen: 53.392 ng
RT: 17.195 min Scan# 2424
Delta R.T. 0.000 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

Tgt Ion:178 Resp: 3635460
Ion Ratio Lower Upper
178 100
176 19.2 14.7 22.1
179 15.6 12.3 18.5





#73

Carbazole

Concen: 52.981 ng

RT: 17.484 min Scan# 2474

Delta R.T. -0.006 min

Lab File: BP024929.D

Acq: 12 Jun 2025 14:30

Instrument :

BNA_P

ClientSampleId :

RT-4643MSD

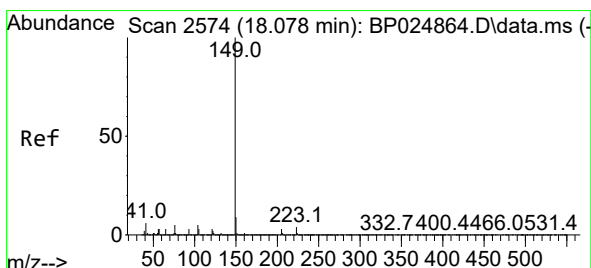
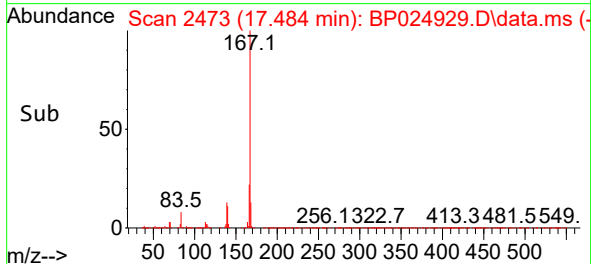
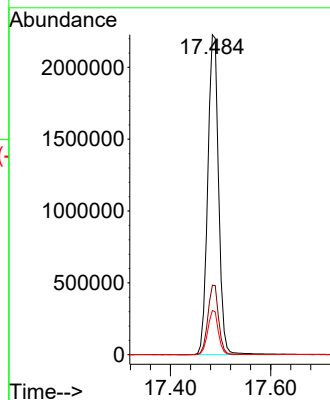
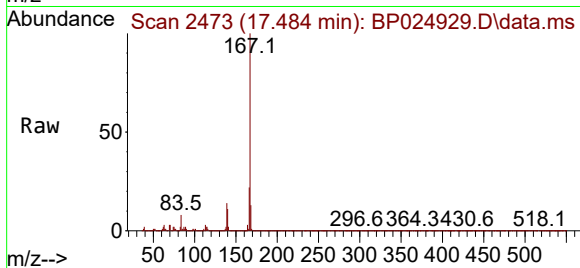
Tgt Ion:167 Resp: 3343767

Ion Ratio Lower Upper

167 100

166 21.7 17.3 25.9

139 13.8 10.8 16.2



#74

Di-n-butylphthalate

Concen: 53.854 ng

RT: 18.066 min Scan# 2572

Delta R.T. -0.012 min

Lab File: BP024929.D

Acq: 12 Jun 2025 14:30

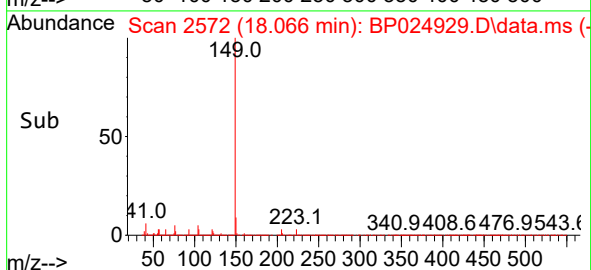
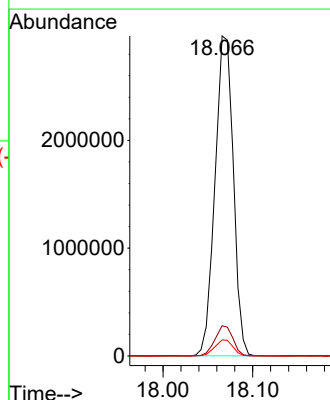
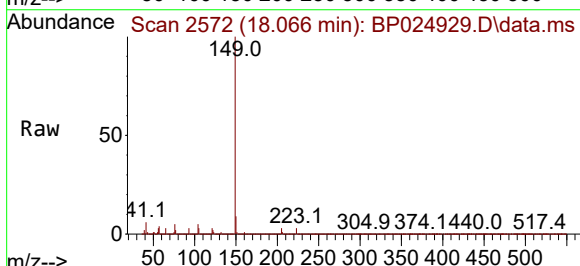
Tgt Ion:149 Resp: 4211081

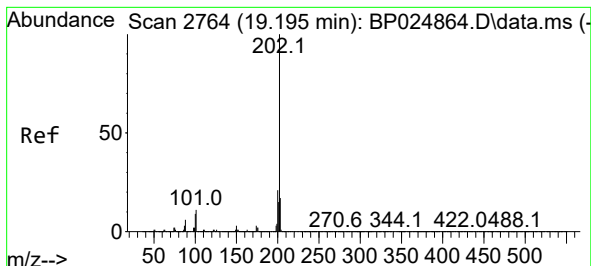
Ion Ratio Lower Upper

149 100

150 9.5 7.4 11.2

104 5.0 4.2 6.2





#75

Fluoranthene

Concen: 65.096 ng

RT: 19.189 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP024929.D

Acq: 12 Jun 2025 14:30

Instrument :

BNA_P

ClientSampleId :

RT-4643MSD

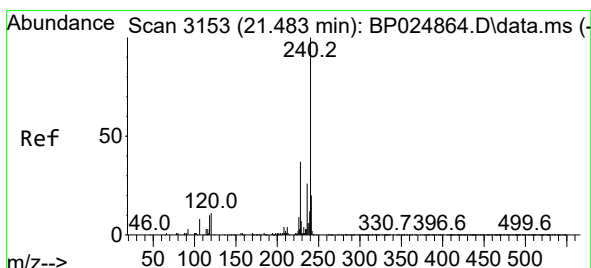
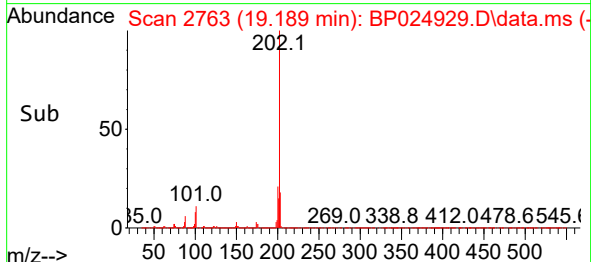
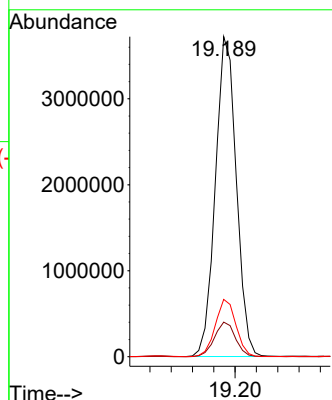
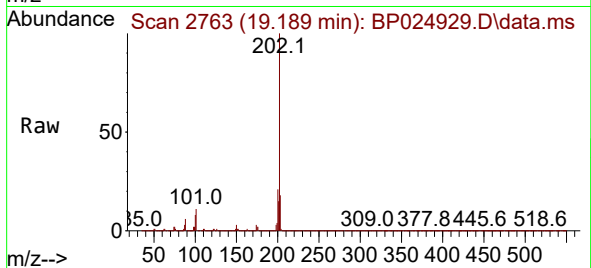
Tgt Ion:202 Resp: 5072485

Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.4

203 17.9 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.495 min Scan# 3155

Delta R.T. 0.012 min

Lab File: BP024929.D

Acq: 12 Jun 2025 14:30

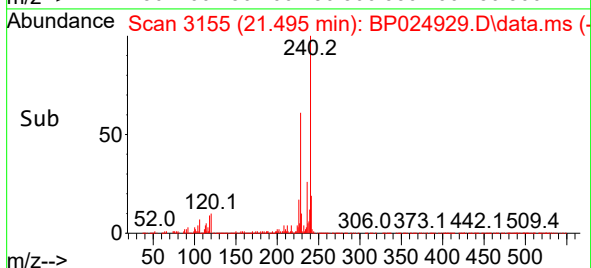
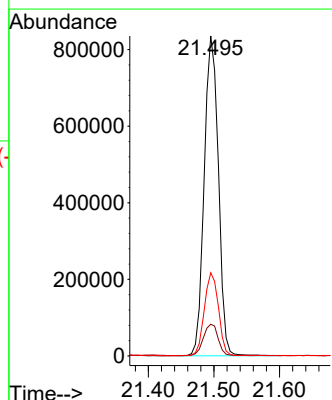
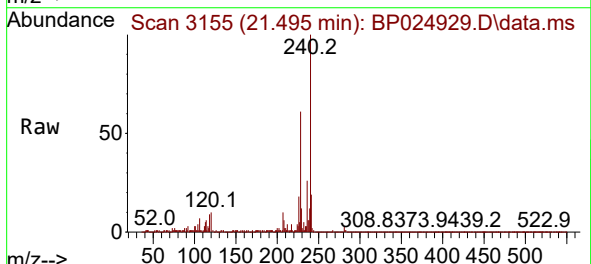
Tgt Ion:240 Resp: 1255977

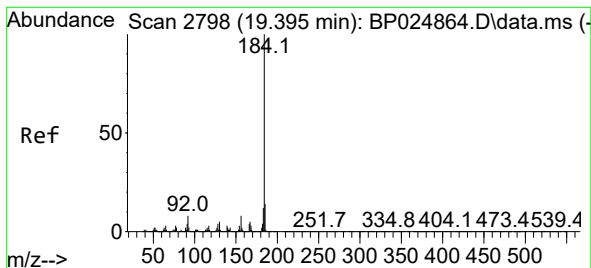
Ion Ratio Lower Upper

240 100

120 9.9 8.9 13.3

236 26.0 20.9 31.3





#77

Benzidine

Concen: 32.733 ng

RT: 19.395 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP024929.D

Acq: 12 Jun 2025 14:30

Instrument :

BNA_P

ClientSampleId :

RT-4643MSD

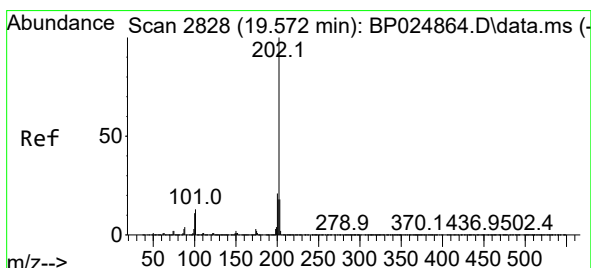
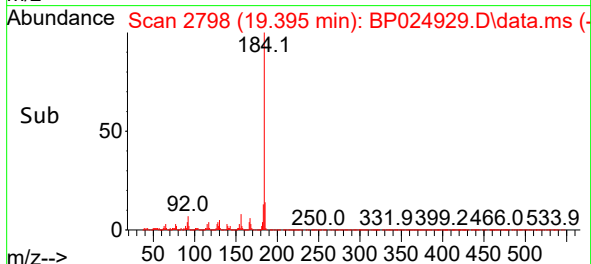
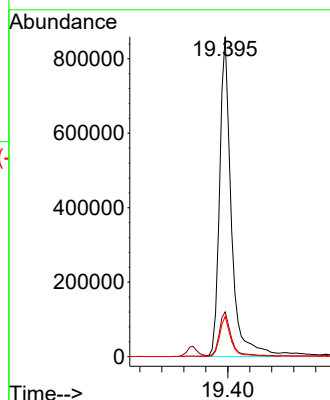
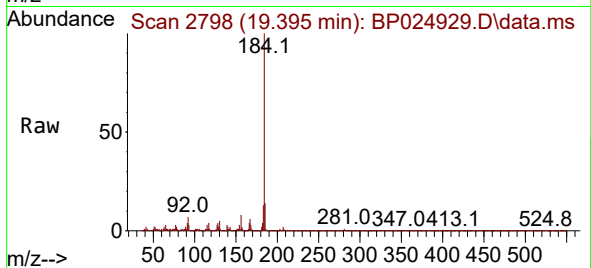
Tgt Ion:184 Resp: 1273295

Ion Ratio Lower Upper

184 100

185 14.0 11.4 17.0

183 12.6 9.5 14.3



#78

Pyrene

Concen: 64.224 ng

RT: 19.572 min Scan# 2828

Delta R.T. 0.000 min

Lab File: BP024929.D

Acq: 12 Jun 2025 14:30

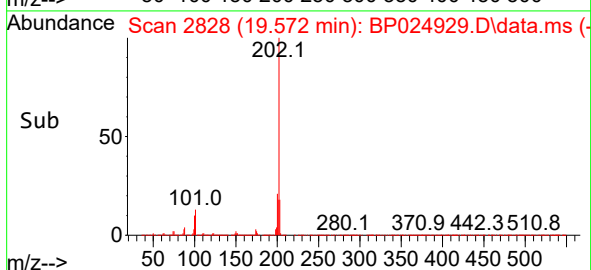
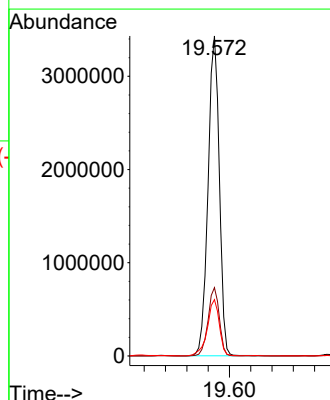
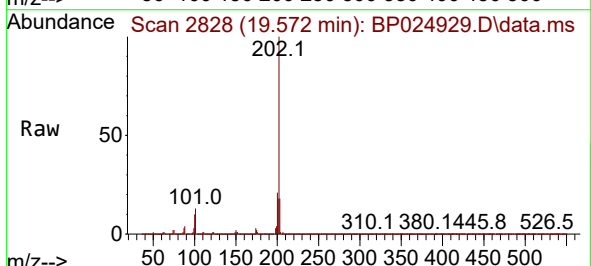
Tgt Ion:202 Resp: 5039432

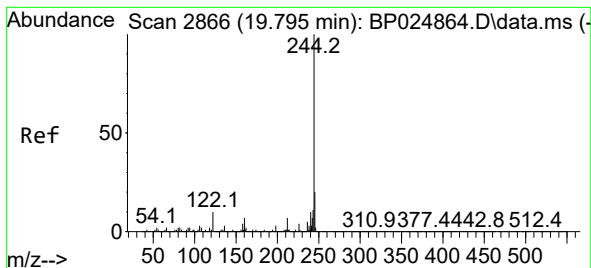
Ion Ratio Lower Upper

202 100

200 21.3 17.1 25.7

203 17.6 14.0 21.0





#79

Terphenyl-d14

Concen: 75.712 ng

RT: 19.783 min Scan# 2864

Delta R.T. -0.012 min

Lab File: BP024929.D

Acq: 12 Jun 2025 14:30

Instrument :

BNA_P

ClientSampleId :

RT-4643MSD

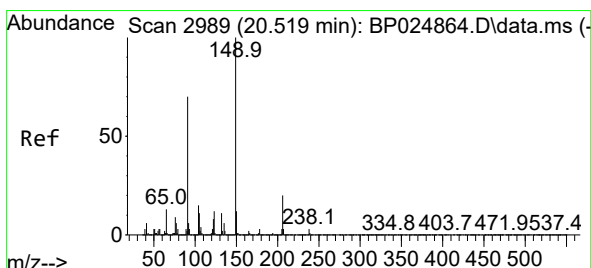
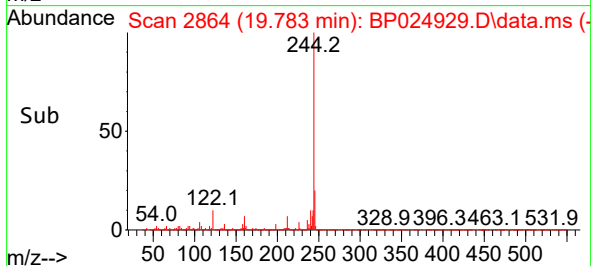
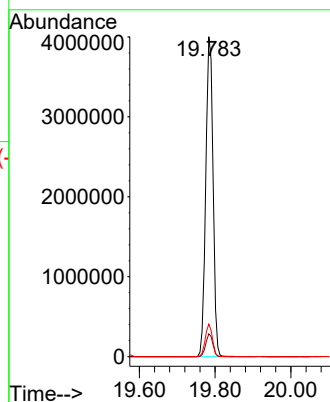
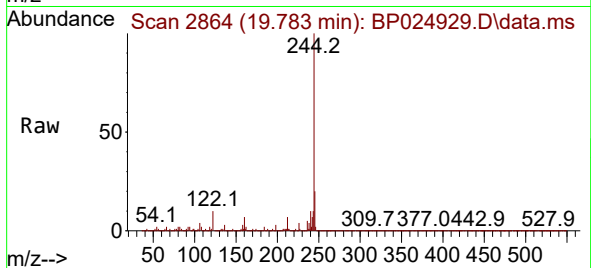
Tgt Ion:244 Resp: 5305780

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

122 10.2 7.7 11.5



#80

Butylbenzylphthalate

Concen: 54.073 ng

RT: 20.519 min Scan# 2989

Delta R.T. 0.000 min

Lab File: BP024929.D

Acq: 12 Jun 2025 14:30

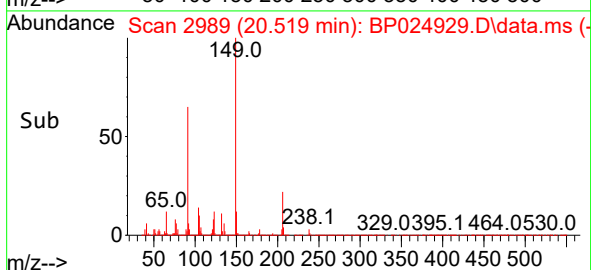
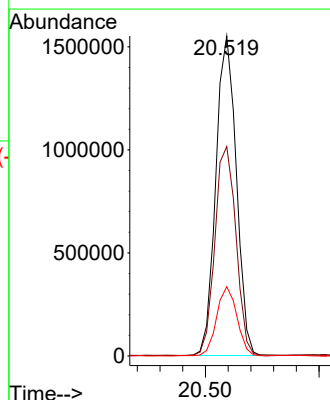
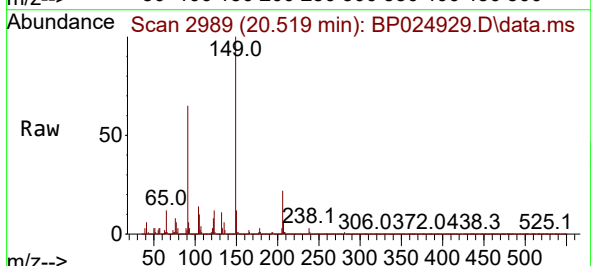
Tgt Ion:149 Resp: 1943473

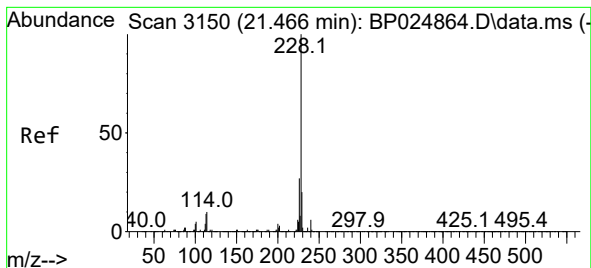
Ion Ratio Lower Upper

149 100

91 65.4 55.8 83.8

206 21.7 16.2 24.2





#81

Benzo(a)anthracene

Concen: 57.068 ng

RT: 21.477 min Scan# 3150

Delta R.T. 0.012 min

Lab File: BP024929.D

Acq: 12 Jun 2025 14:30

Instrument :

BNA_P

ClientSampleId :

RT-4643MSD

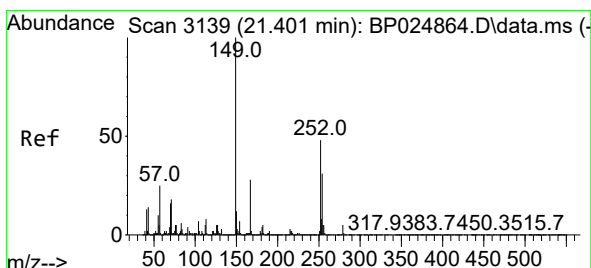
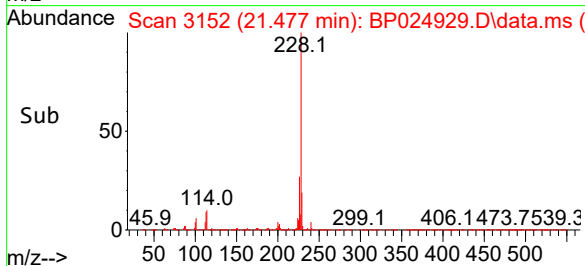
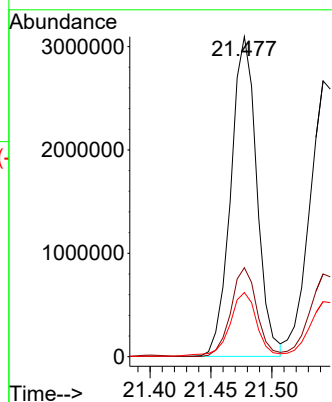
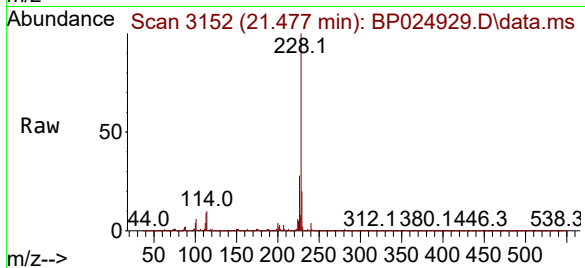
Tgt Ion:228 Resp: 4584277

Ion Ratio Lower Upper

228 100

226 27.8 22.1 33.1

229 20.0 15.9 23.9



#82

3,3'-Dichlorobenzidine

Concen: 39.142 ng

RT: 21.401 min Scan# 3139

Delta R.T. 0.000 min

Lab File: BP024929.D

Acq: 12 Jun 2025 14:30

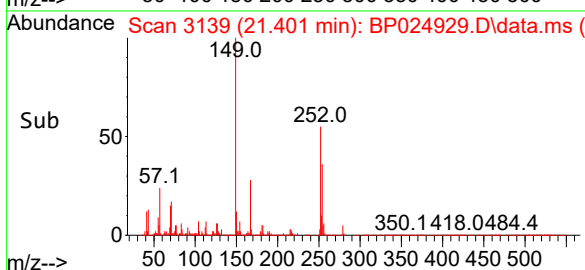
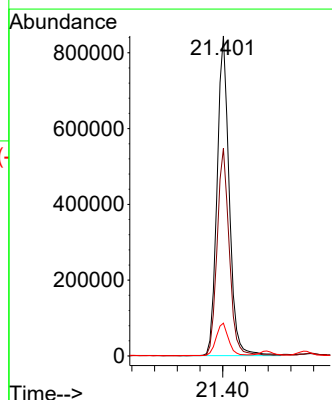
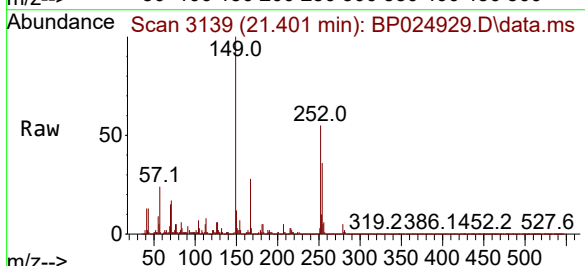
Tgt Ion:252 Resp: 1248271

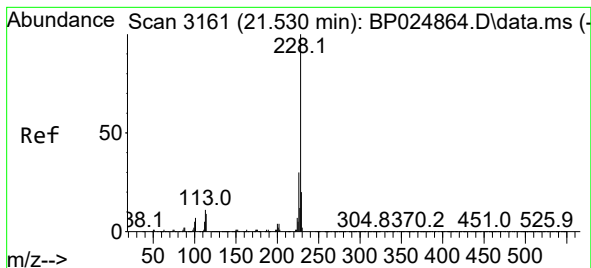
Ion Ratio Lower Upper

252 100

254 64.9 51.2 76.8

126 10.3 8.6 12.8





#83

Chrysene

Concen: 58.330 ng

RT: 21.542 min Scan# 3163

Delta R.T. 0.012 min

Lab File: BP024929.D

Acq: 12 Jun 2025 14:30

Instrument :

BNA_P

ClientSampleId :

RT-4643MSD

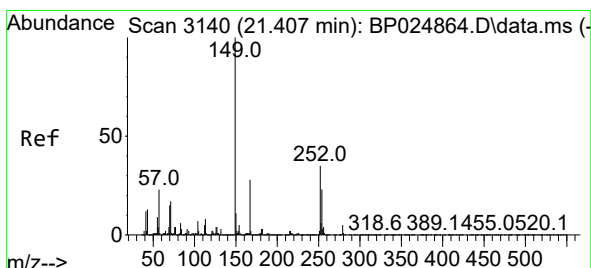
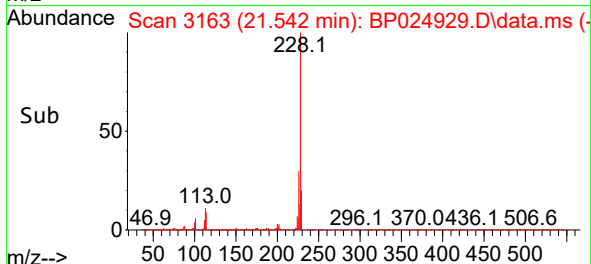
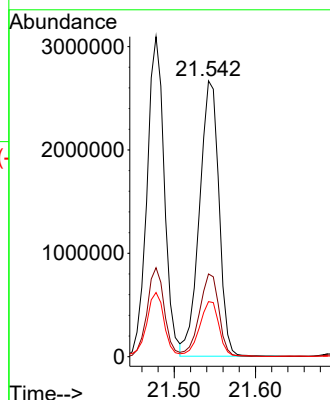
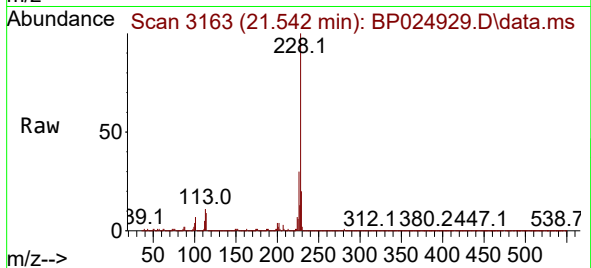
Tgt Ion:228 Resp: 4439781

Ion Ratio Lower Upper

228 100

226 30.0 23.8 35.6

229 20.0 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 54.650 ng

RT: 21.407 min Scan# 3140

Delta R.T. 0.000 min

Lab File: BP024929.D

Acq: 12 Jun 2025 14:30

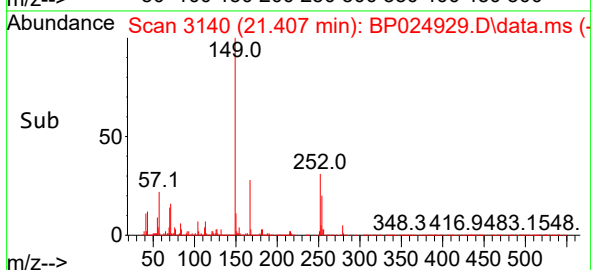
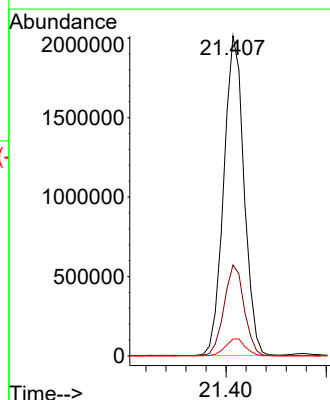
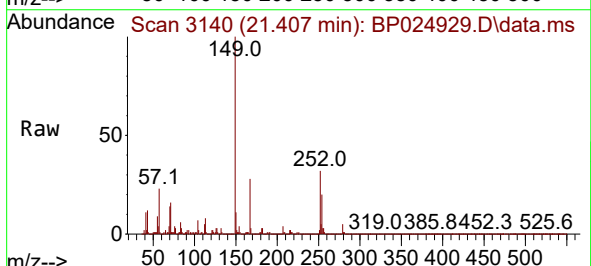
Tgt Ion:149 Resp: 2814226

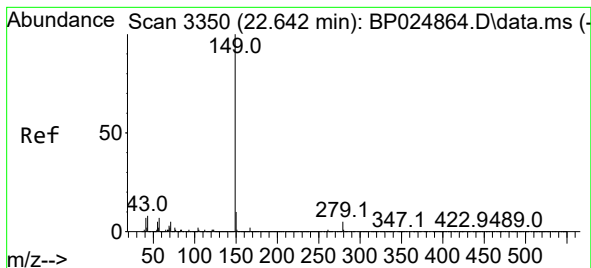
Ion Ratio Lower Upper

149 100

167 28.5 22.2 33.4

279 5.3 4.0 6.0





#85

Di-n-octyl phthalate

Concen: 55.552 ng

RT: 22.654 min Scan# 311

Delta R.T. 0.012 min

Lab File: BP024929.D

Acq: 12 Jun 2025 14:30

Instrument :

BNA_P

ClientSampleId :

RT-4643MSD

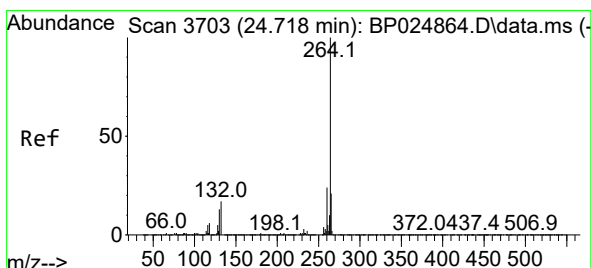
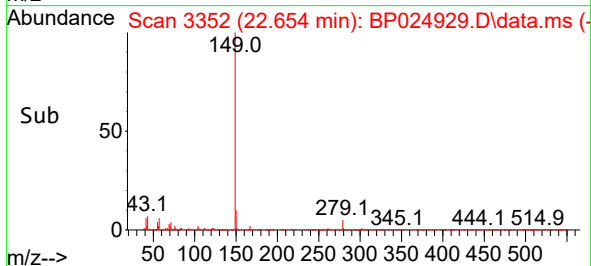
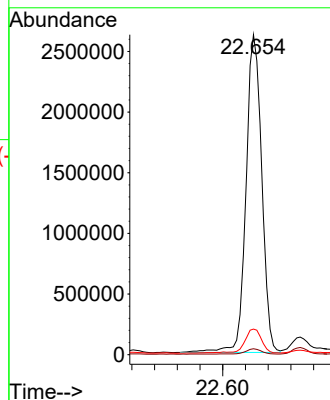
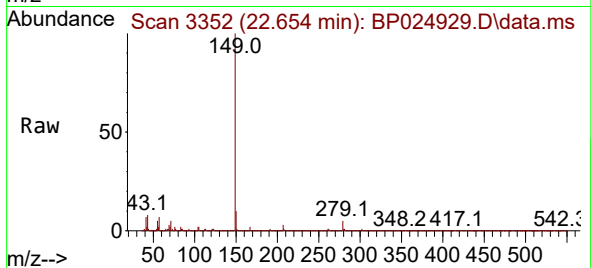
Tgt Ion:149 Resp: 5042237

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 8.3 6.6 10.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.766 min Scan# 3711

Delta R.T. 0.047 min

Lab File: BP024929.D

Acq: 12 Jun 2025 14:30

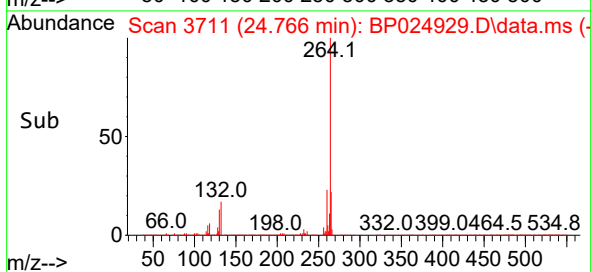
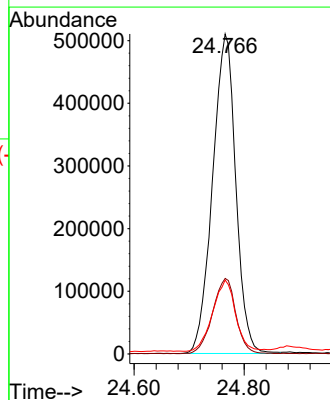
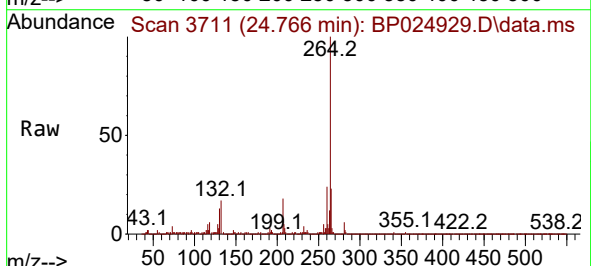
Tgt Ion:264 Resp: 1493797

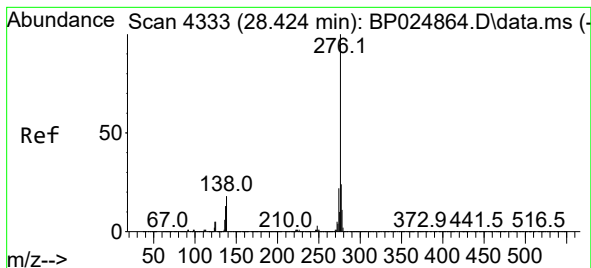
Ion Ratio Lower Upper

264 100

260 23.6 19.0 28.4

265 23.1 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 57.309 ng

RT: 28.483 min Scan# 41

Delta R.T. 0.059 min

Lab File: BP024929.D

Acq: 12 Jun 2025 14:30

Instrument :

BNA_P

ClientSampleId :

RT-4643MSD

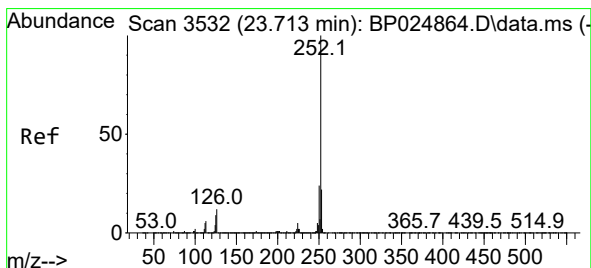
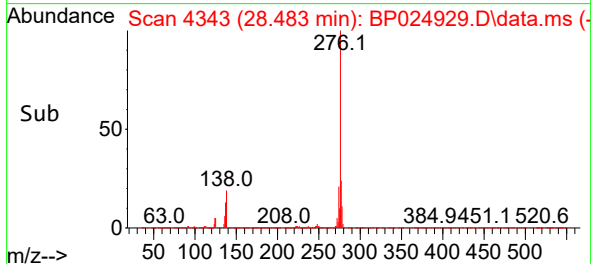
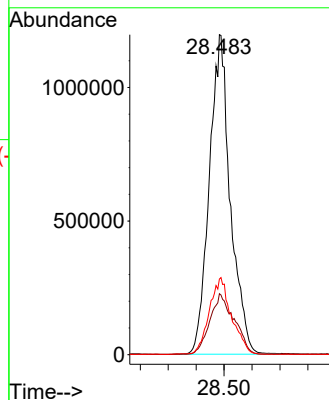
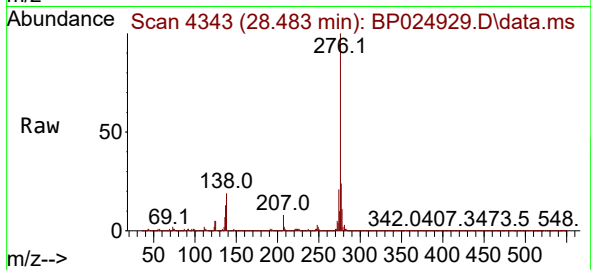
Tgt Ion:276 Resp: 6246160

Ion Ratio Lower Upper

276 100

138 21.9 18.6 27.8

277 25.2 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 61.882 ng

RT: 23.736 min Scan# 3536

Delta R.T. 0.024 min

Lab File: BP024929.D

Acq: 12 Jun 2025 14:30

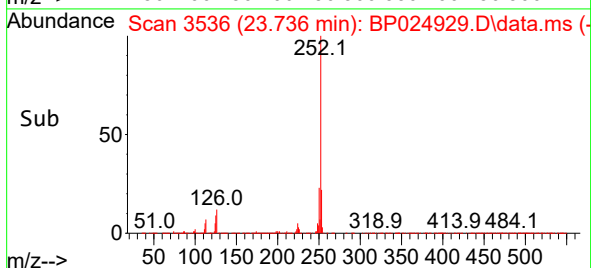
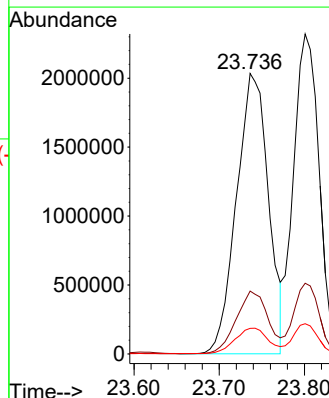
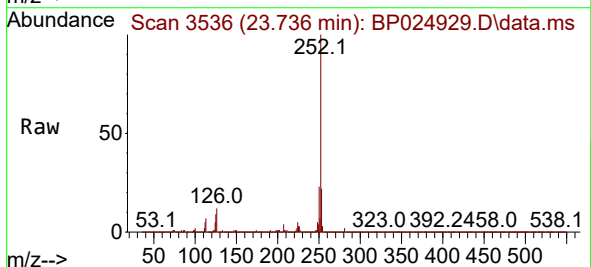
Tgt Ion:252 Resp: 5290310

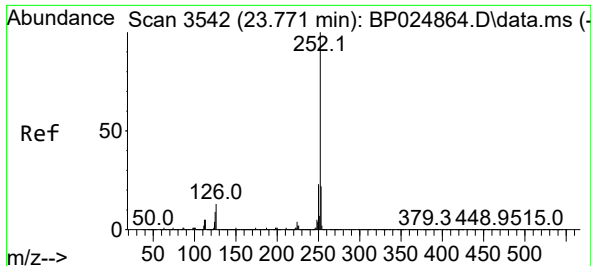
Ion Ratio Lower Upper

252 100

253 22.5 17.6 26.4

125 9.1 7.1 10.7

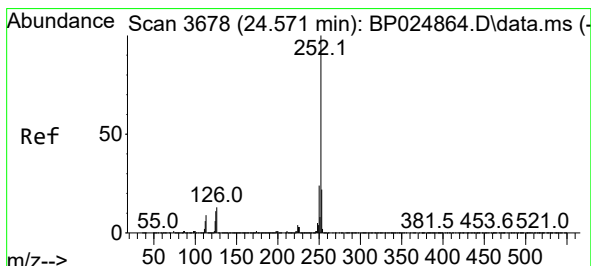
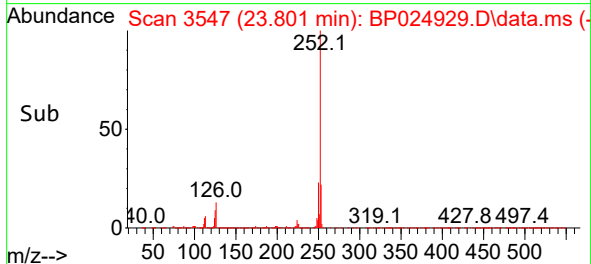
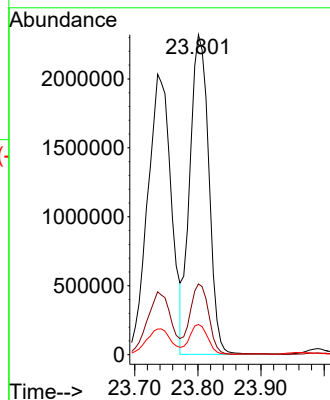
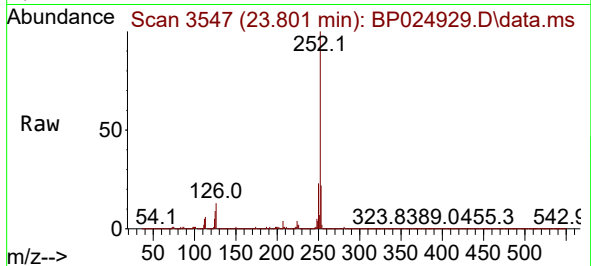




#89
Benzo(k)fluoranthene
Concen: 55.755 ng
RT: 23.801 min Scan# 31
Delta R.T. 0.029 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

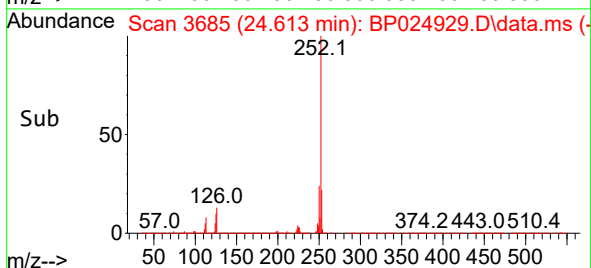
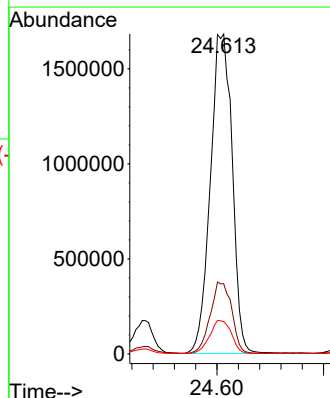
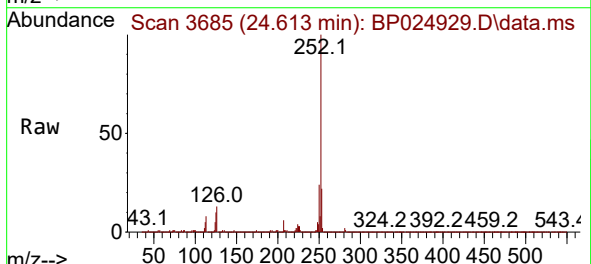
Instrument :
BNA_P
ClientSampleId :
RT-4643MSD

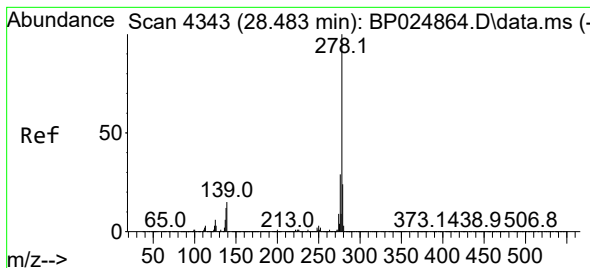
Tgt Ion:252 Resp: 4851882
Ion Ratio Lower Upper
252 100
253 22.1 17.7 26.5
125 9.5 7.4 11.0



#90
Benzo(a)pyrene
Concen: 57.329 ng
RT: 24.613 min Scan# 3685
Delta R.T. 0.041 min
Lab File: BP024929.D
Acq: 12 Jun 2025 14:30

Tgt Ion:252 Resp: 4786328
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 10.1 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 54.687 ng

RT: 28.542 min Scan# 41

Delta R.T. 0.059 min

Lab File: BP024929.D

Acq: 12 Jun 2025 14:30

Instrument :

BNA_P

ClientSampleId :

RT-4643MSD

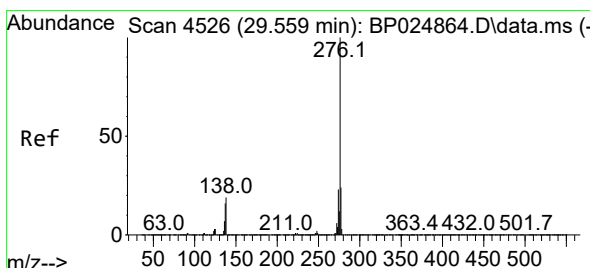
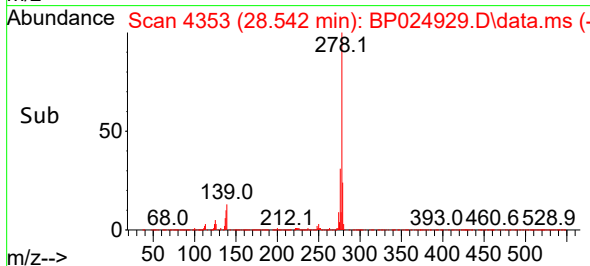
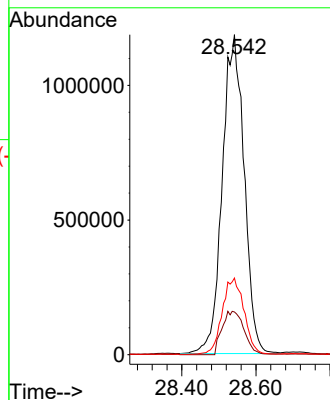
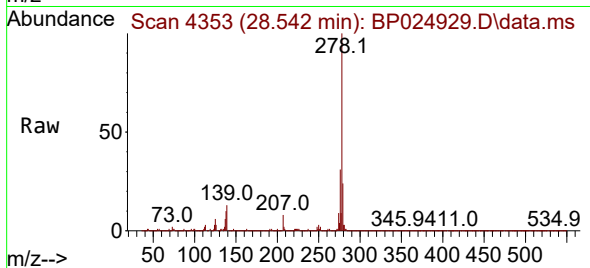
Tgt Ion:278 Resp: 4851574

Ion Ratio Lower Upper

278 100

139 13.4 12.0 18.0

279 23.9 19.1 28.7



#92

Benzo(g,h,i)perylene

Concen: 57.565 ng

RT: 29.624 min Scan# 4537

Delta R.T. 0.065 min

Lab File: BP024929.D

Acq: 12 Jun 2025 14:30

Tgt Ion:276 Resp: 5067058

Ion Ratio Lower Upper

276 100

277 24.0 19.1 28.7

138 18.8 15.4 23.2

