

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051525\
 Data File : BP024636.D
 Acq On : 15 May 2025 13:53
 Operator : RC/JU
 Sample : PB167973BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PB167973BS

Quant Time: May 15 14:53:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 13 16:21:39 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.646	152	131081	20.000	ng	-0.02
21) Naphthalene-d8	10.422	136	537517	20.000	ng	-0.01
39) Acenaphthene-d10	14.298	164	347277	20.000	ng	0.00
64) Phenanthrene-d10	17.098	188	706031	20.000	ng	0.00
76) Chrysene-d12	21.533	240	796554	20.000	ng	0.01
86) Perylene-d12	24.827	264	897451	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.275	112	1028325	134.178	ng	-0.01
7) Phenol-d6	6.840	99	1300659	132.975	ng	-0.01
23) Nitrobenzene-d5	8.799	82	806449	75.806	ng	-0.01
42) 2,4,6-Tribromophenol	15.816	330	789015	134.019	ng	0.00
45) 2-Fluorobiphenyl	12.904	172	1973979	74.470	ng	0.00
79) Terphenyl-d14	19.827	244	3529175	75.970	ng	0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.216	88	121131	33.659	ng	98
3) Pyridine	3.605	79	290510	36.406	ng	97
4) n-Nitrosodimethylamine	3.516	42	145603	41.331	ng	94
6) Aniline	6.987	93	371995	29.457	ng	99
8) 2-Chlorophenol	7.228	128	398786	45.837	ng	99
9) Benzaldehyde	6.799	77	230797	36.451	ng	95
10) Phenol	6.869	94	467973	46.355	ng	100
11) bis(2-Chloroethyl)ether	7.081	93	326477	39.356	ng	98
12) 1,3-Dichlorobenzene	7.540	146	410853	41.046	ng	99
13) 1,4-Dichlorobenzene	7.681	146	413519	41.075	ng	99
14) 1,2-Dichlorobenzene	7.999	146	399364	40.711	ng	100
15) Benzyl Alcohol	7.893	79	332118	44.682	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.163	45	395746	39.836	ng	99
17) 2-Methylphenol	8.099	107	329941	45.567	ng	98
18) Hexachloroethane	8.710	117	157764	40.894	ng	96
19) n-Nitroso-di-n-propyla...	8.452	70	270905	40.039	ng	99
20) 3+4-Methylphenols	8.422	107	451573	45.848	ng	99
22) Acetophenone	8.463	105	567593	42.273	ng	100
24) Nitrobenzene	8.840	77	404402	43.197	ng	99
25) Isophorone	9.357	82	767868	41.611	ng	99
26) 2-Nitrophenol	9.540	139	212672	46.359	ng	97
27) 2,4-Dimethylphenol	9.610	122	380304	47.020	ng	99
28) bis(2-Chloroethoxy)met...	9.840	93	467255	42.382	ng	99
29) 2,4-Dichlorophenol	10.087	162	382143	48.756	ng	98
30) 1,2,4-Trichlorobenzene	10.287	180	381129	43.151	ng	98
31) Naphthalene	10.475	128	1179733	42.353	ng	99
32) Benzoic acid	9.775	122	262342	46.811	ng	99
33) 4-Chloroaniline	10.593	127	215778	19.197	ng	100
34) Hexachlorobutadiene	10.757	225	244032	42.650	ng	98
35) Caprolactam	11.381	113	128809	45.423	ng	97
36) 4-Chloro-3-methylphenol	11.728	107	416701	43.596	ng	100
37) 2-Methylnaphthalene	12.087	142	759040	42.084	ng	99
38) 1-Methylnaphthalene	12.310	142	813878	42.174	ng	100
40) 1,2,4,5-Tetrachloroben...	12.463	216	439636	43.595	ng	99
41) Hexachlorocyclopentadiene	12.440	237	618099	101.081	ng	97
43) 2,4,6-Trichlorophenol	12.710	196	317048	48.539	ng	98

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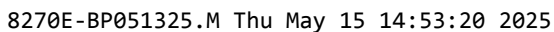
Instrument :
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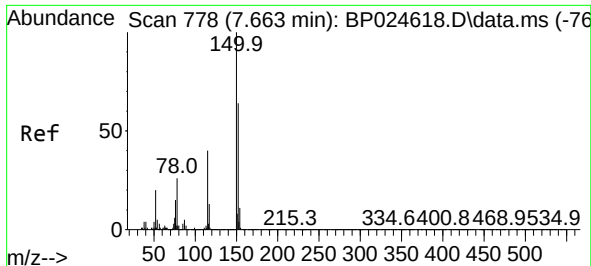
Quant Time: May 15 14:53:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 13 16:21:39 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.787	196	355418	48.883	ng	98
46) 1,1'-Biphenyl	13.110	154	1087547	42.370	ng	99
47) 2-Chloronaphthalene	13.157	162	830827	42.452	ng	100
48) 2-Nitroaniline	13.369	65	261668	45.161	ng	98
49) Acenaphthylene	14.016	152	1399482	42.731	ng	100
50) Dimethylphthalate	13.757	163	1142335	43.156	ng	100
51) 2,6-Dinitrotoluene	13.869	165	252742	45.211	ng	97
52) Acenaphthene	14.363	154	813698	43.217	ng	99
53) 3-Nitroaniline	14.210	138	171345	30.018	ng	98
54) 2,4-Dinitrophenol	14.428	184	327717	91.929	ng	97
55) Dibenzofuran	14.698	168	1314124	43.757	ng	99
56) 4-Nitrophenol	14.545	139	454745	91.385	ng	98
57) 2,4-Dinitrotoluene	14.675	165	364632	46.266	ng	98
58) Fluorene	15.363	166	1086996	44.389	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.934	232	316831	46.974	ng	100
60) Diethylphthalate	15.139	149	1184435	44.273	ng	99
61) 4-Chlorophenyl-phenyle...	15.351	204	542996	44.463	ng	98
62) 4-Nitroaniline	15.404	138	262574	47.641	ng	98
63) Azobenzene	15.657	77	1009501	44.109	ng	98
65) 4,6-Dinitro-2-methylph...	15.463	198	216160	47.398	ng	99
66) n-Nitrosodiphenylamine	15.575	169	961865	44.353	ng	99
67) 4-Bromophenyl-phenylether	16.269	248	372135	44.731	ng	99
68) Hexachlorobenzene	16.392	284	458305	43.353	ng	100
69) Atrazine	16.563	200	368913	46.419	ng	99
70) Pentachlorophenol	16.745	266	625082	105.335	ng	98
71) Phenanthrene	17.139	178	1720387	43.832	ng	100
72) Anthracene	17.233	178	1747224	44.246	ng	99
73) Carbazole	17.516	167	1617275	45.249	ng	100
74) Di-n-butylphthalate	18.110	149	2121998	46.164	ng	99
75) Fluoranthene	19.227	202	2040733	44.480	ng	100
77) Benzidine	19.427	184	994653	45.847	ng	99
78) Pyrene	19.604	202	2127702	44.580	ng	100
80) Butylbenzylphthalate	20.563	149	1012695	47.709	ng	97
81) Benzo(a)anthracene	21.516	228	2231437	44.614	ng	100
82) 3,3'-Dichlorobenzidine	21.439	252	558851	30.082	ng	99
83) Chrysene	21.586	228	2076892	43.804	ng	100
84) Bis(2-ethylhexyl)phtha...	21.457	149	1465106	46.960	ng	99
85) Di-n-octyl phthalate	22.710	149	2468875	48.391	ng	100
87) Indeno(1,2,3-cd)pyrene	28.550	276	2512385	38.346	ng	# 90
88) Benzo(b)fluoranthene	23.786	252	2337855	45.511	ng	99
89) Benzo(k)fluoranthene	23.857	252	2439419	46.086	ng	100
90) Benzo(a)pyrene	24.674	252	2298890	46.597	ng	99
91) Dibenzo(a,h)anthracene	28.627	278	2519774	47.273	ng	99
92) Benzo(g,h,i)perylene	29.715	276	2499215	47.150	ng	99

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

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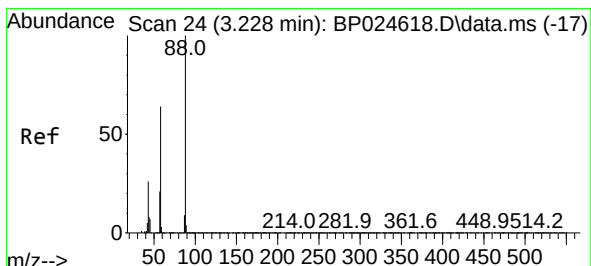
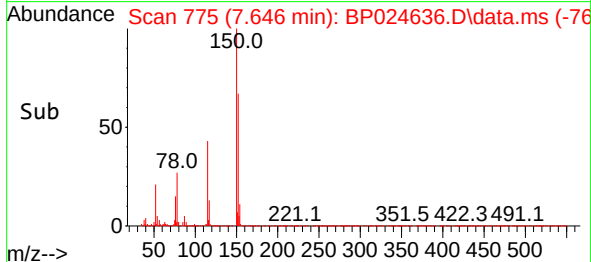
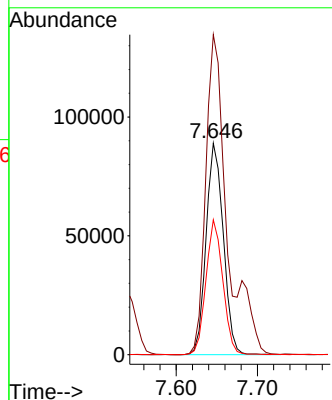
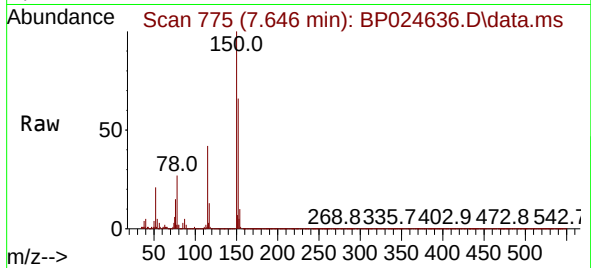




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.646 min Scan# 71
 Delta R.T. -0.017 min
 Lab File: BP024636.D
 Acq: 15 May 2025 13:53

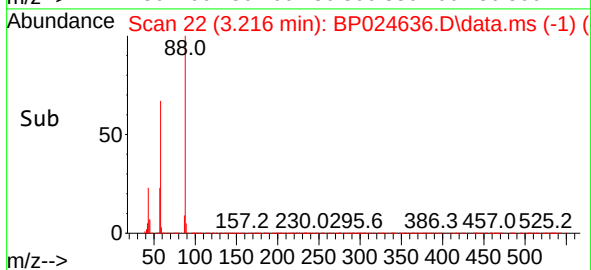
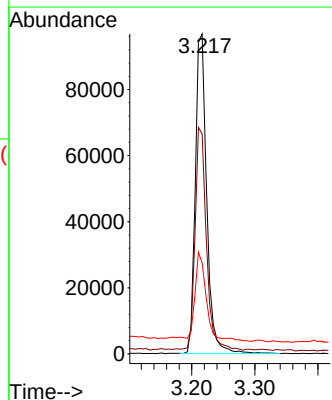
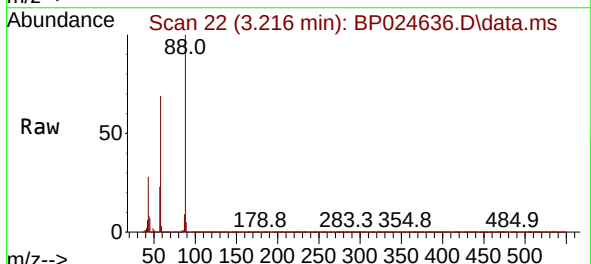
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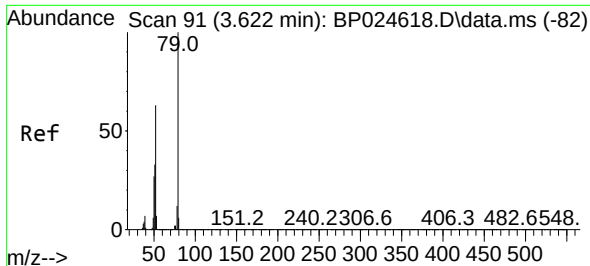
Tgt Ion:152 Resp: 131081
 Ion Ratio Lower Upper
 152 100
 150 151.3 125.9 188.9
 115 63.8 50.1 75.1



#2
 1,4-Dioxane
 Concen: 33.659 ng
 RT: 3.216 min Scan# 22
 Delta R.T. -0.012 min
 Lab File: BP024636.D
 Acq: 15 May 2025 13:53

Tgt Ion: 88 Resp: 121131
 Ion Ratio Lower Upper
 88 100
 58 69.2 54.0 81.0
 43 28.1 21.4 32.0

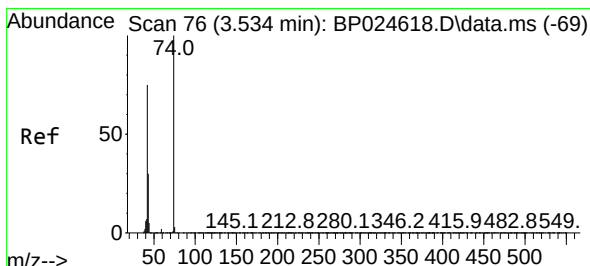
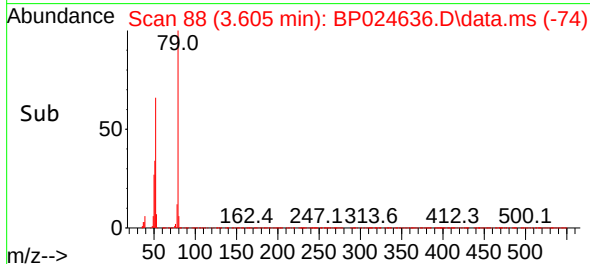
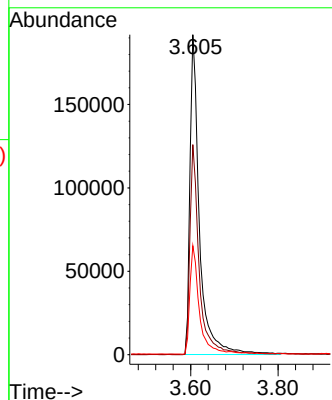
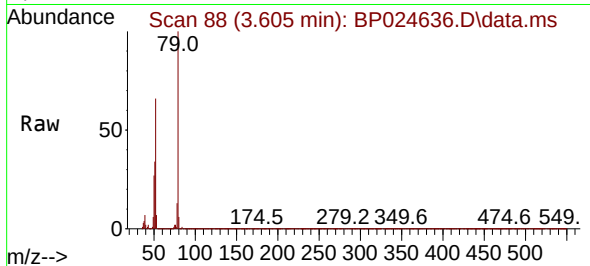




#3
Pyridine
Concen: 36.406 ng
RT: 3.605 min Scan# 81
Delta R.T. -0.018 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

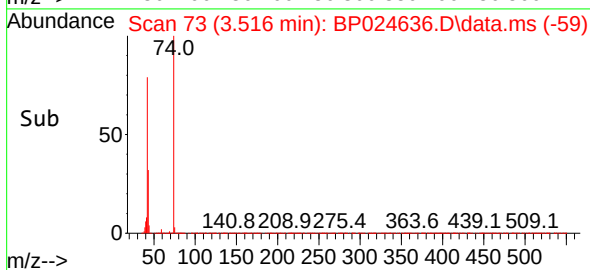
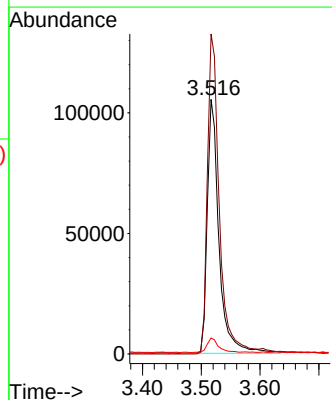
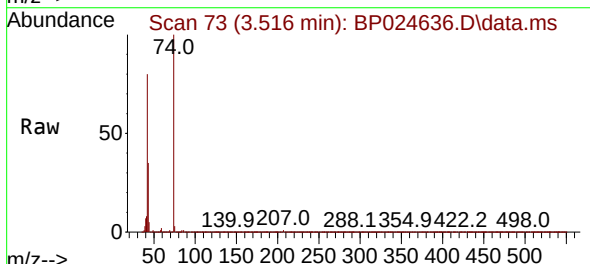
Instrument :
BNA_P
ClientSampleId :
PB167973BS

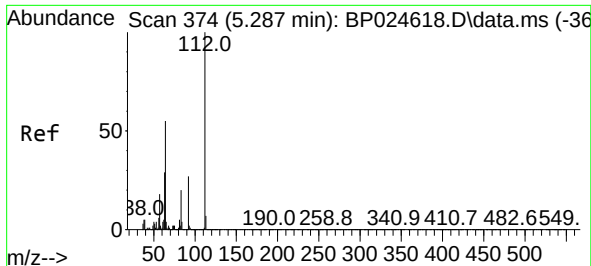
Tgt Ion: 79 Resp: 290510
Ion Ratio Lower Upper
79 100
52 65.6 50.2 75.2
51 34.0 26.8 40.2



#4
n-Nitrosodimethylamine
Concen: 41.331 ng
RT: 3.516 min Scan# 73
Delta R.T. -0.018 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

Tgt Ion: 42 Resp: 145603
Ion Ratio Lower Upper
42 100
74 125.7 106.2 159.2
44 6.3 5.4 8.2

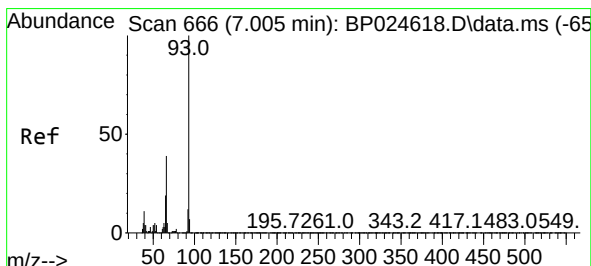
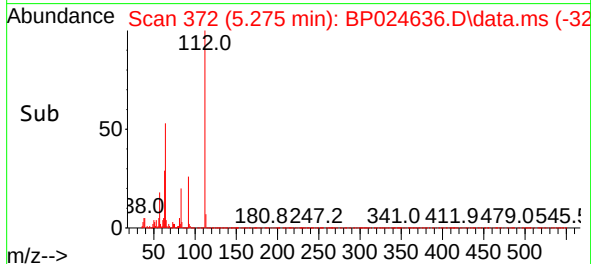
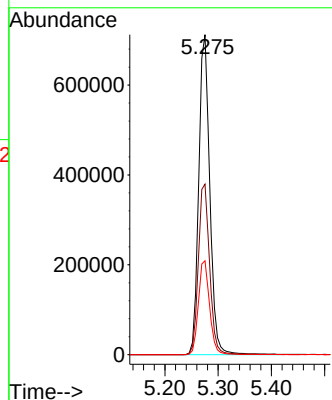
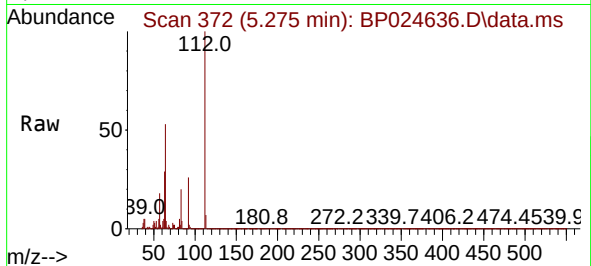




#5
2-Fluorophenol
Concen: 134.178 ng
RT: 5.275 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

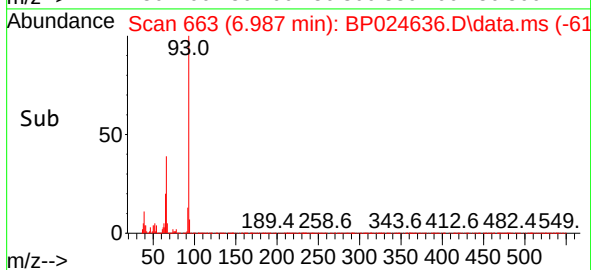
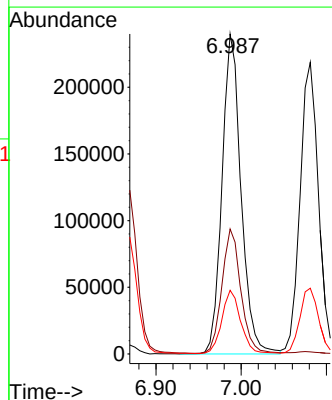
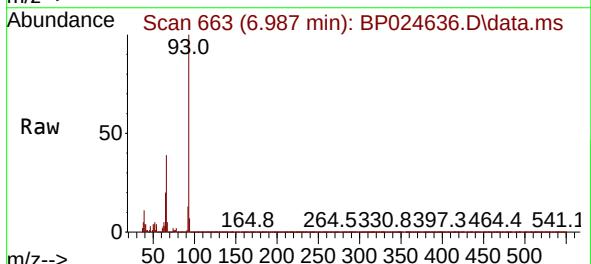
Instrument :
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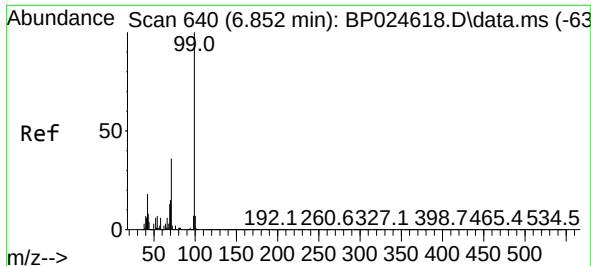
Tgt Ion:112 Resp: 1028325
Ion Ratio Lower Upper
112 100
64 53.3 44.1 66.1
63 29.3 23.5 35.3



#6
Aniline
Concen: 29.457 ng
RT: 6.987 min Scan# 663
Delta R.T. -0.018 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

Tgt Ion: 93 Resp: 371995
Ion Ratio Lower Upper
93 100
66 39.0 31.0 46.6
65 19.9 15.5 23.3

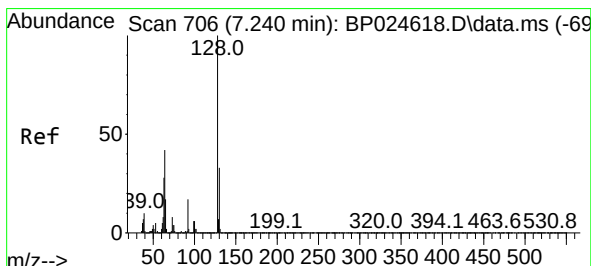
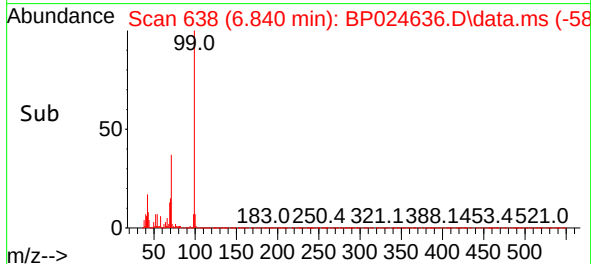
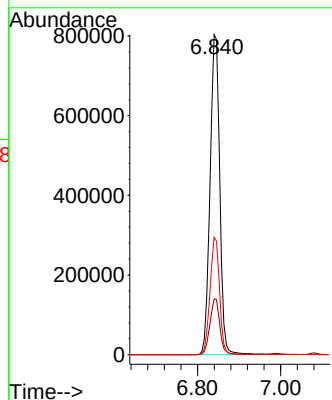
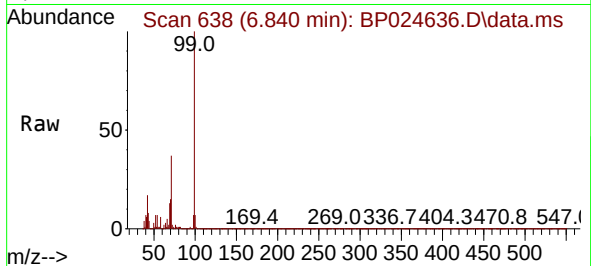




#7
Phenol-d6
Concen: 132.975 ng
RT: 6.840 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

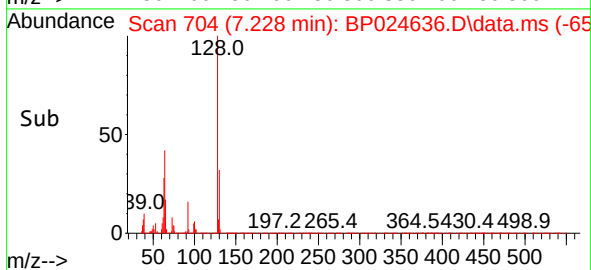
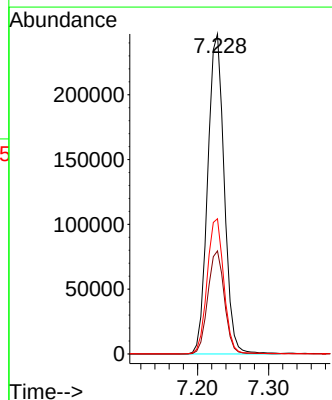
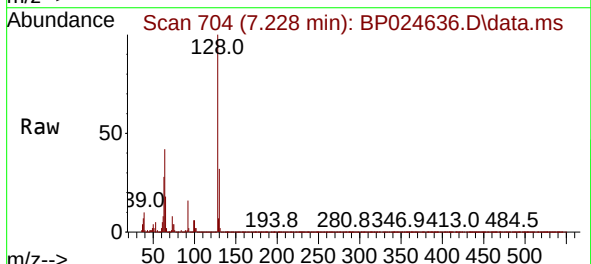
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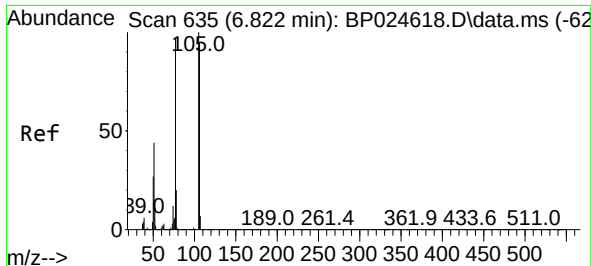
Tgt Ion: 99 Resp: 1300659
Ion Ratio Lower Upper
99 100
42 17.4 14.4 21.6
71 36.7 29.2 43.8



#8
2-Chlorophenol
Concen: 45.837 ng
RT: 7.228 min Scan# 704
Delta R.T. -0.012 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

Tgt Ion:128 Resp: 398786
Ion Ratio Lower Upper
128 100
130 32.2 13.0 53.0
64 42.3 22.3 62.3

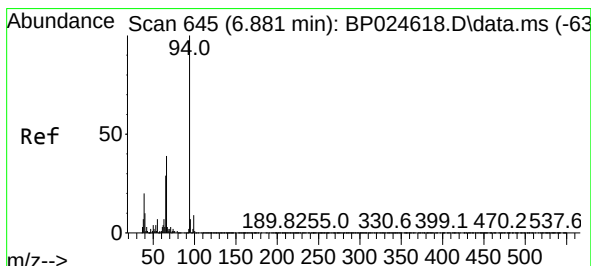
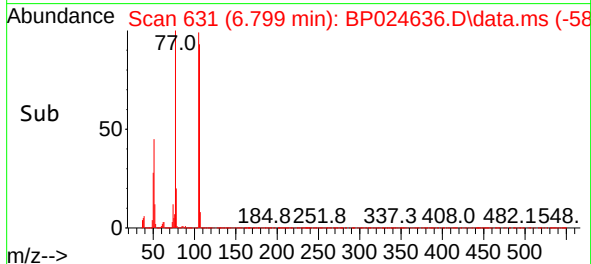
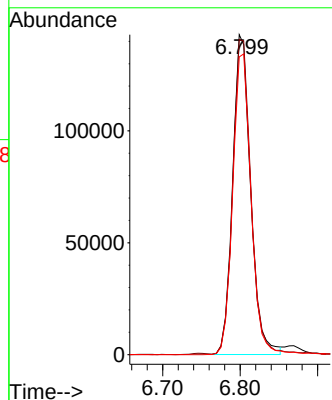
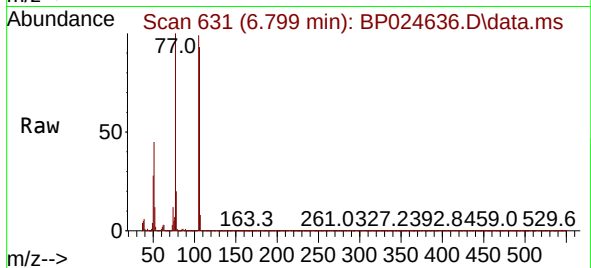




#9
Benzaldehyde
Concen: 36.451 ng
RT: 6.799 min Scan# 61
Delta R.T. -0.024 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

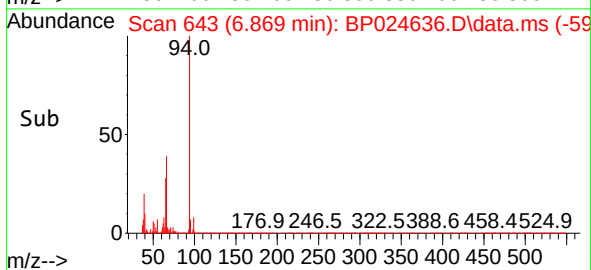
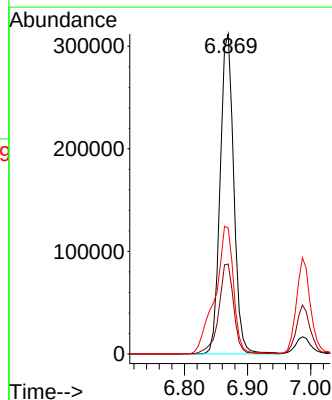
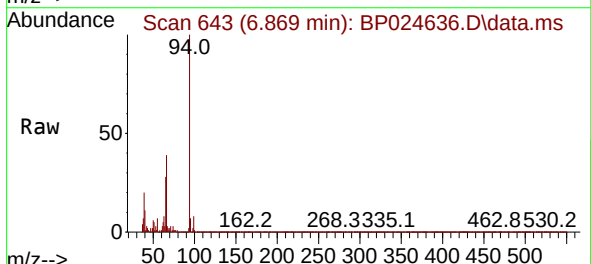
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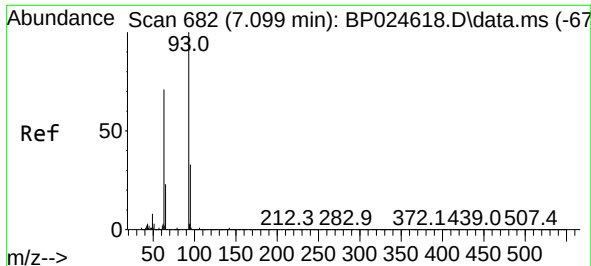
Tgt Ion: 77 Resp: 230797
Ion Ratio Lower Upper
77 100
105 98.5 83.3 123.3
106 93.1 78.0 118.0



#10
Phenol
Concen: 46.355 ng
RT: 6.869 min Scan# 643
Delta R.T. -0.012 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

Tgt Ion: 94 Resp: 467973
Ion Ratio Lower Upper
94 100
65 28.1 8.7 48.7
66 39.4 19.4 59.4





#11

bis(2-Chloroethyl)ether

Concen: 39.356 ng

RT: 7.081 min Scan# 61

Delta R.T. -0.018 min

Lab File: BP024636.D

Acq: 15 May 2025 13:53

Instrument :

BNA_P

ClientSampleId :

PB167973BS

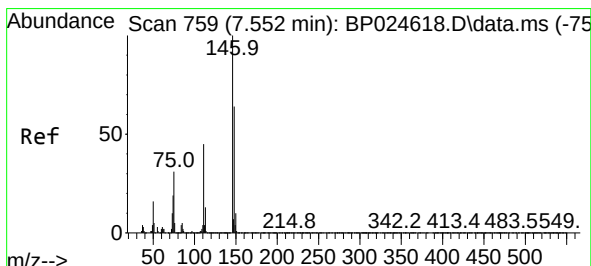
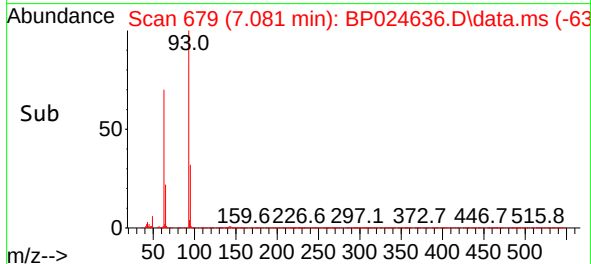
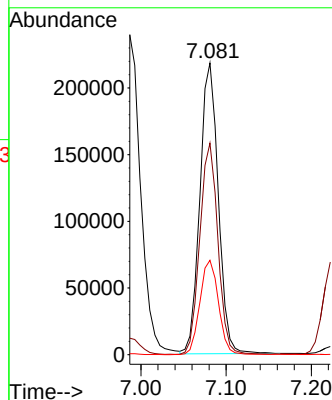
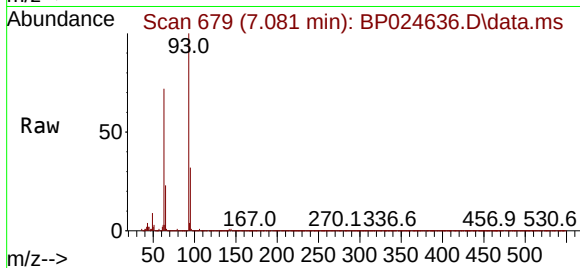
Tgt Ion: 93 Resp: 326477

Ion Ratio Lower Upper

93 100

63 72.5 50.6 90.6

95 32.3 12.9 52.9



#12

1,3-Dichlorobenzene

Concen: 41.046 ng

RT: 7.540 min Scan# 757

Delta R.T. -0.012 min

Lab File: BP024636.D

Acq: 15 May 2025 13:53

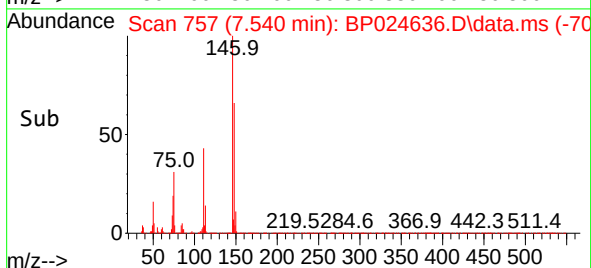
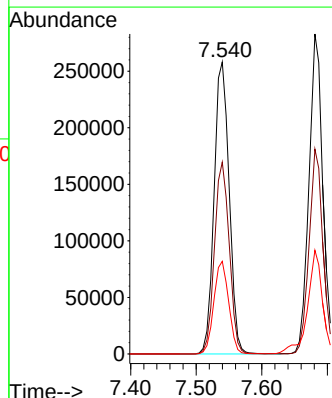
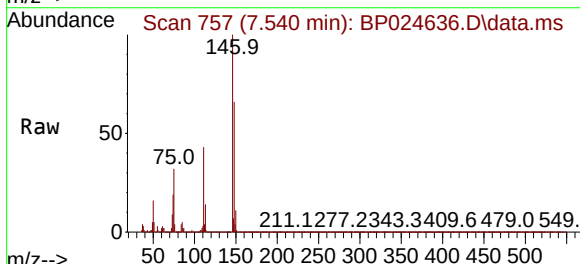
Tgt Ion:146 Resp: 410853

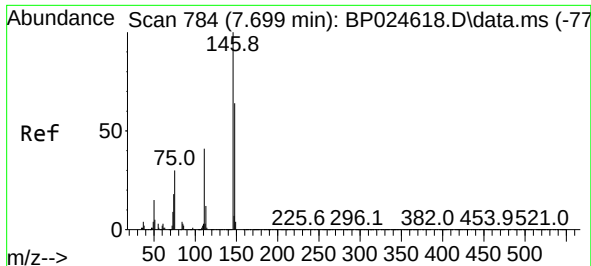
Ion Ratio Lower Upper

146 100

148 65.7 51.4 77.2

75 31.7 25.2 37.8

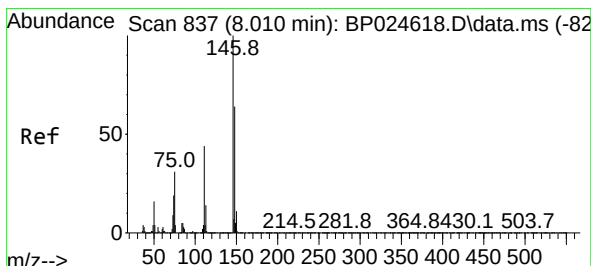
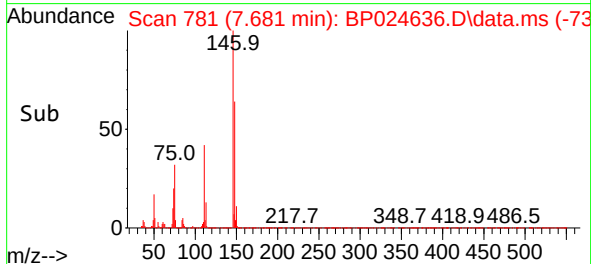
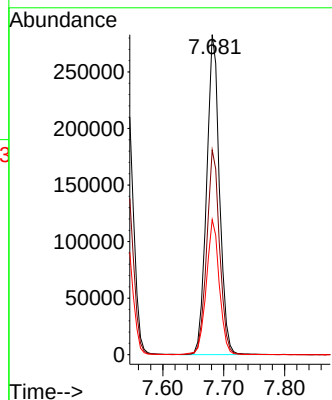
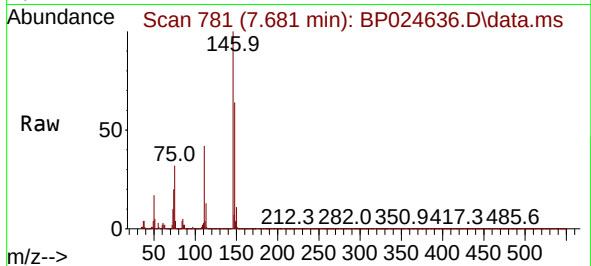




#13
1,4-Dichlorobenzene
Concen: 41.075 ng
RT: 7.681 min Scan# 71
Delta R.T. -0.018 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

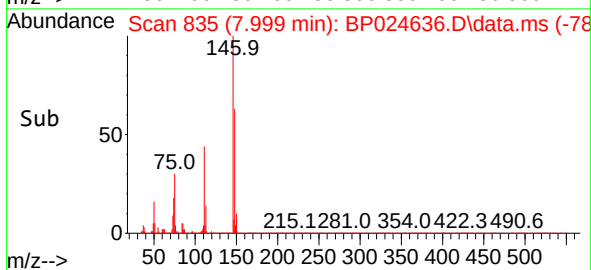
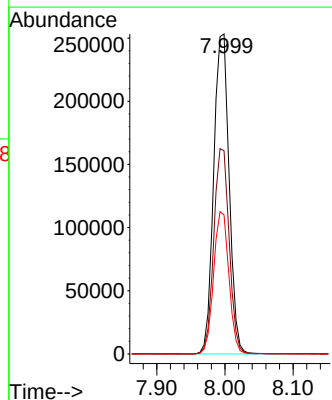
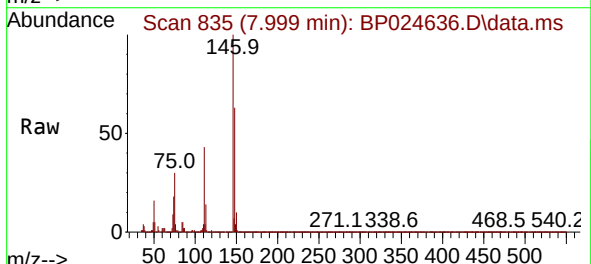
Instrument :
BNA_P
ClientSampleId :
PB167973BS

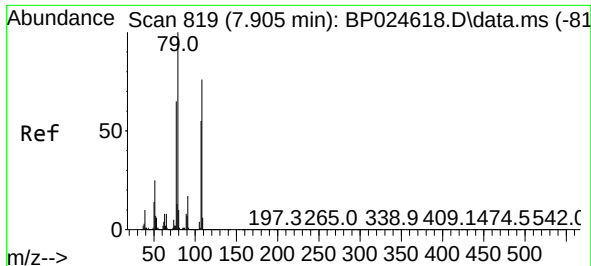
Tgt Ion:146 Resp: 413519
Ion Ratio Lower Upper
146 100
148 64.0 51.0 76.6
111 42.2 33.0 49.6



#14
1,2-Dichlorobenzene
Concen: 40.711 ng
RT: 7.999 min Scan# 835
Delta R.T. -0.012 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

Tgt Ion:146 Resp: 399364
Ion Ratio Lower Upper
146 100
148 63.5 51.0 76.4
111 43.5 35.2 52.8

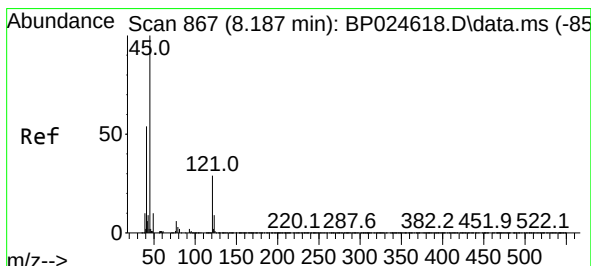
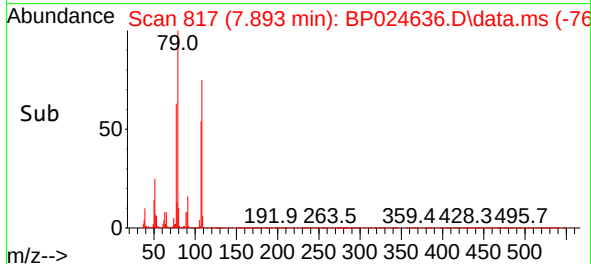
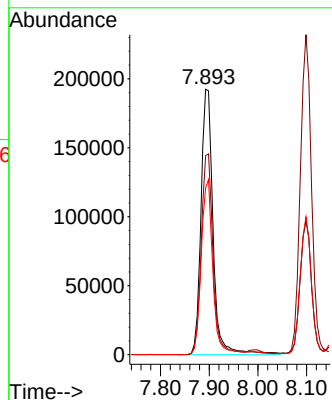
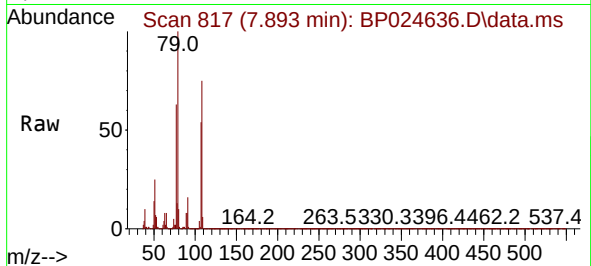




#15
Benzyl Alcohol
Concen: 44.682 ng
RT: 7.893 min Scan# 819
Delta R.T. -0.012 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

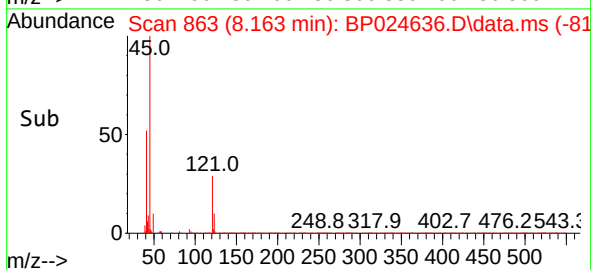
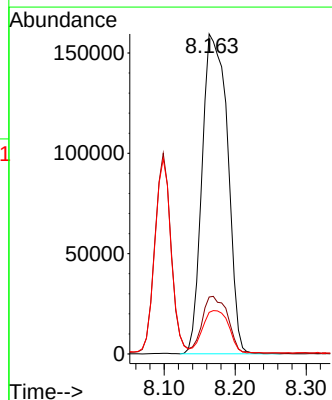
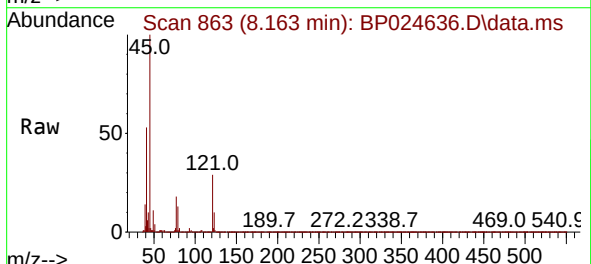
Instrument :
BNA_P
ClientSampleId :
PB167973BS

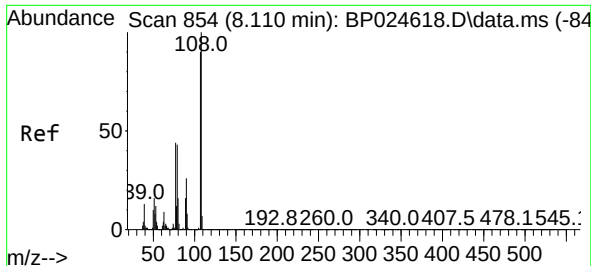
Tgt Ion: 79 Resp: 332118
Ion Ratio Lower Upper
79 100
108 75.0 60.8 91.2
77 62.9 51.9 77.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.836 ng
RT: 8.163 min Scan# 863
Delta R.T. -0.024 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

Tgt Ion: 45 Resp: 395746
Ion Ratio Lower Upper
45 100
77 17.8 0.0 37.7
79 13.0 0.0 34.0

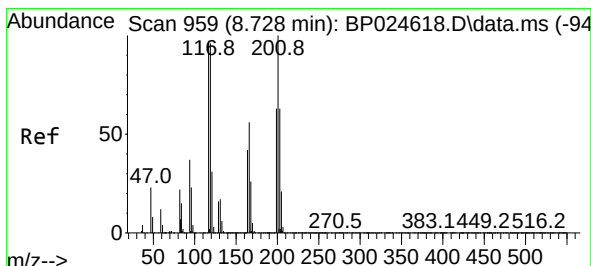
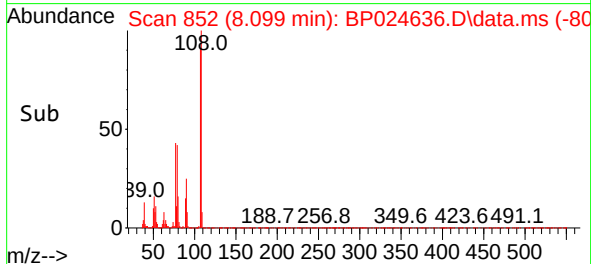
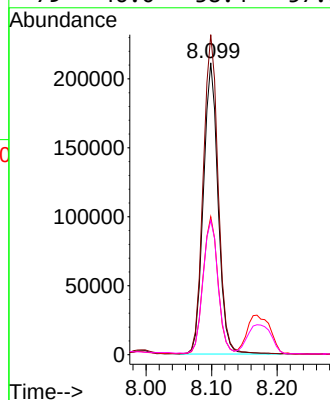
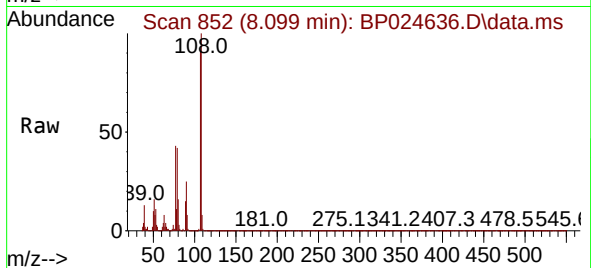




#17
2-Methylphenol
Concen: 45.567 ng
RT: 8.099 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

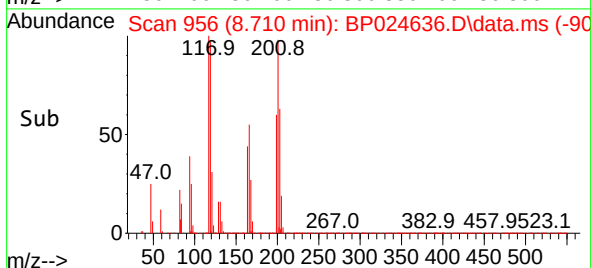
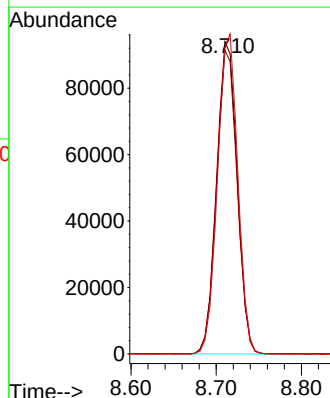
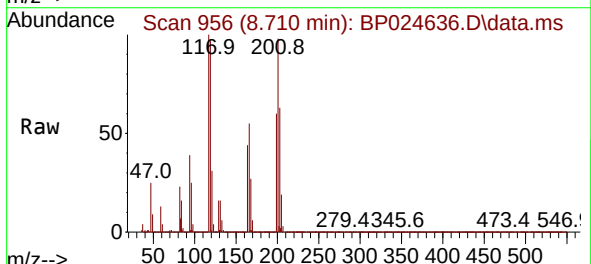
Instrument :
BNA_P
ClientSampleId :
PB167973BS

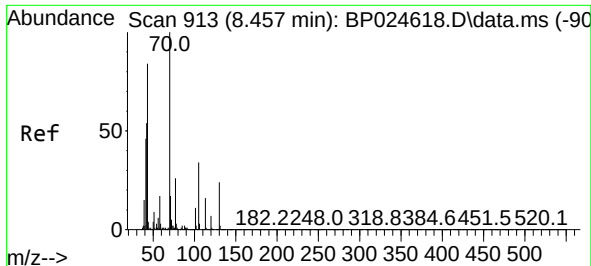
Tgt Ion:	107	Resp:	329941
Ion	Ratio	Lower	Upper
107	100		
108	109.6	88.9	133.3
77	47.2	39.0	58.6
79	46.0	38.4	57.6



#18
Hexachloroethane
Concen: 40.894 ng
RT: 8.710 min Scan# 956
Delta R.T. -0.018 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

Tgt Ion:	117	Resp:	157764
Ion	Ratio	Lower	Upper
117	100		
119	97.3	79.4	119.0
201	98.0	82.7	124.1

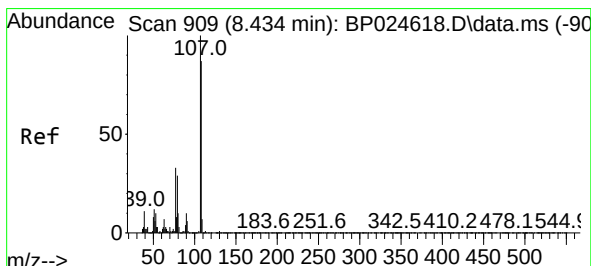
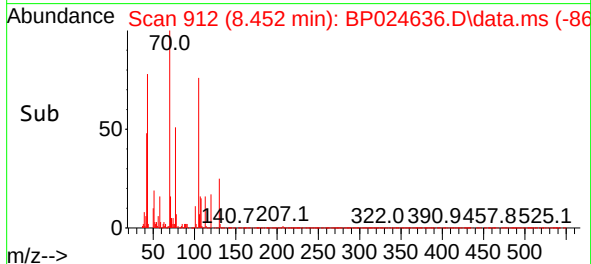
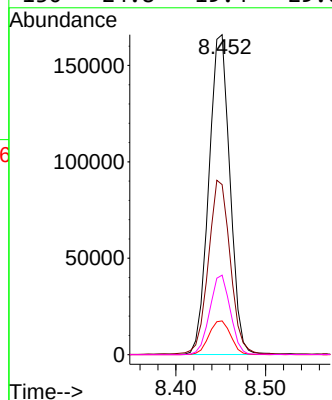
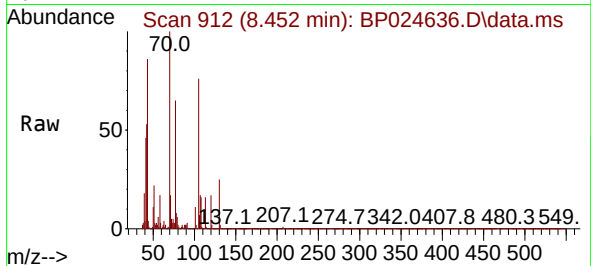




#19
n-Nitroso-di-n-propylamine
Concen: 40.039 ng
RT: 8.452 min Scan# 913
Delta R.T. -0.006 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

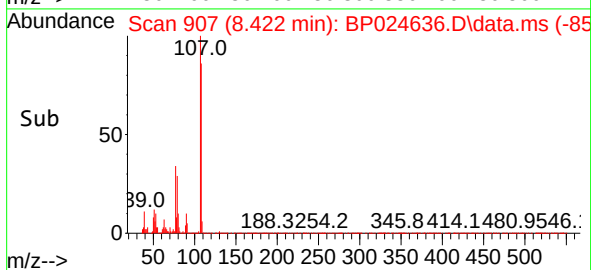
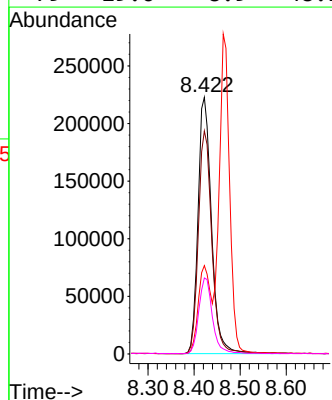
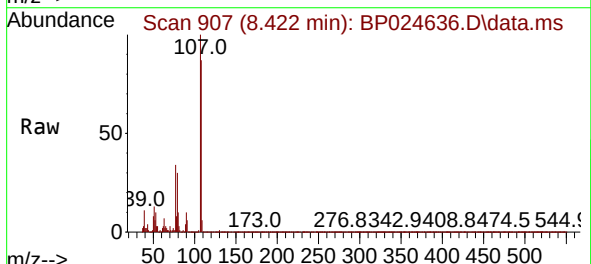
Instrument :
BNA_P
ClientSampleId :
PB167973BS

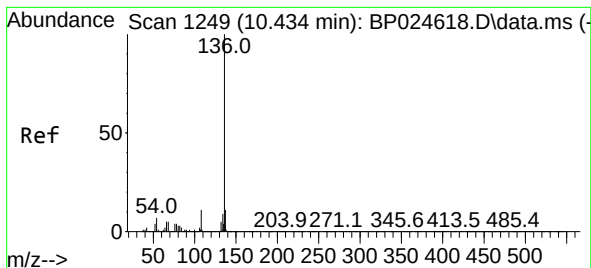
Tgt Ion: 70 Resp: 270905
Ion Ratio Lower Upper
70 100
42 53.1 43.0 64.6
101 10.6 8.7 13.1
130 24.8 19.4 29.0



#20
3+4-Methylphenols
Concen: 45.848 ng
RT: 8.422 min Scan# 907
Delta R.T. -0.012 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

Tgt Ion: 107 Resp: 451573
Ion Ratio Lower Upper
107 100
108 86.9 66.7 106.7
77 34.4 13.1 53.1
79 29.6 8.9 48.9

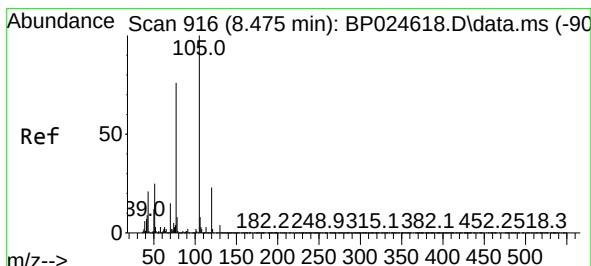
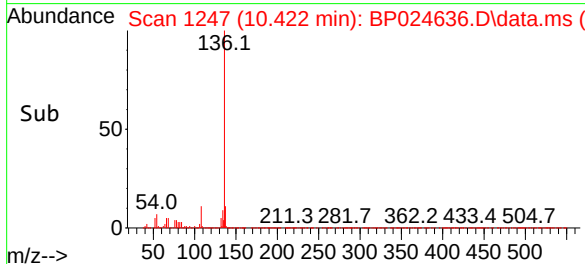
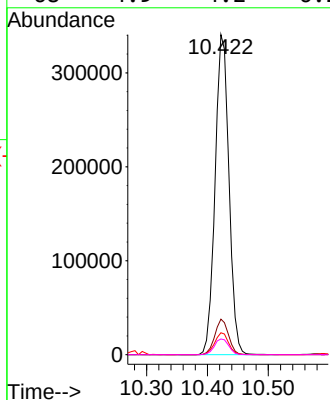
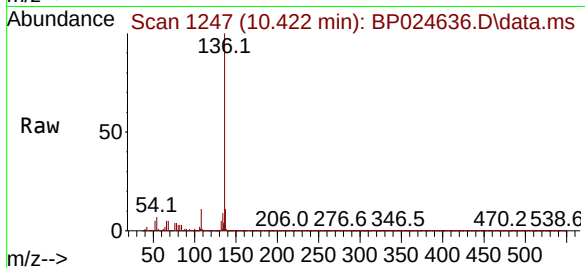




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.422 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

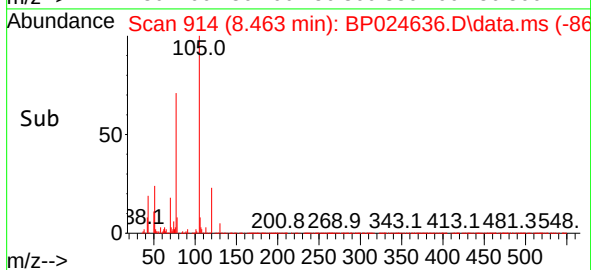
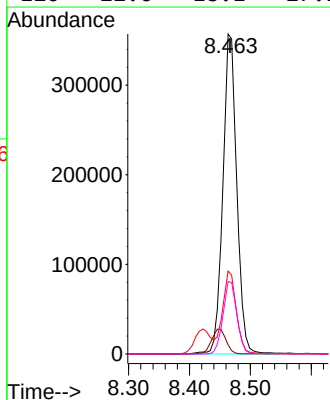
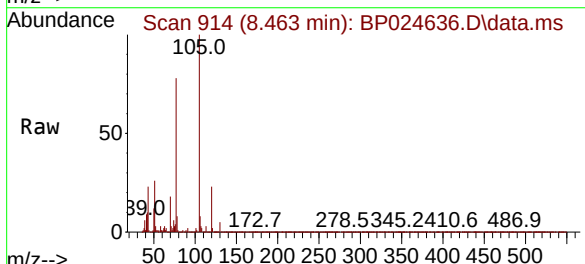
Instrument :
BNA_P
ClientSampleId :
PB167973BS

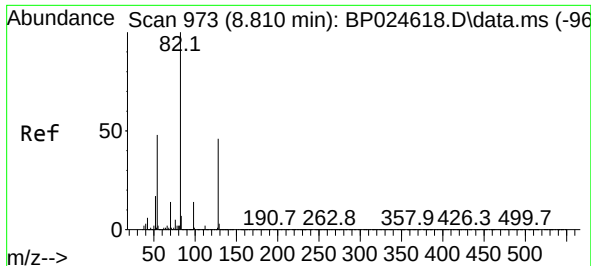
Tgt Ion:	136	Resp:	537517
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	6.9	5.5	8.3
68	4.9	4.2	6.2



#22
Acetophenone
Concen: 42.273 ng
RT: 8.463 min Scan# 914
Delta R.T. -0.012 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

Tgt Ion:	105	Resp:	567593
Ion	Ratio	Lower	Upper
105	100		
71	2.8	2.0	3.0
51	25.9	20.4	30.6
120	22.6	18.1	27.1

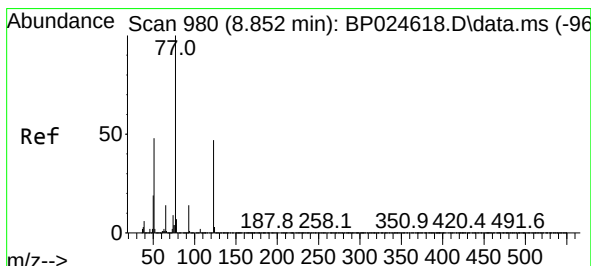
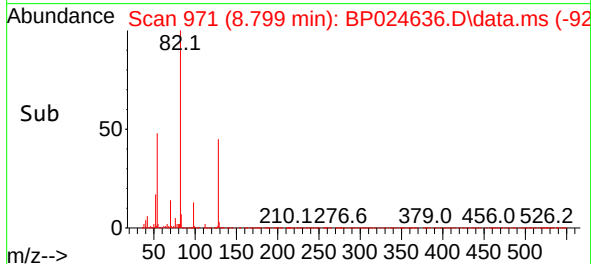
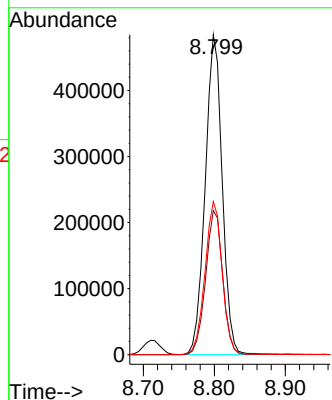
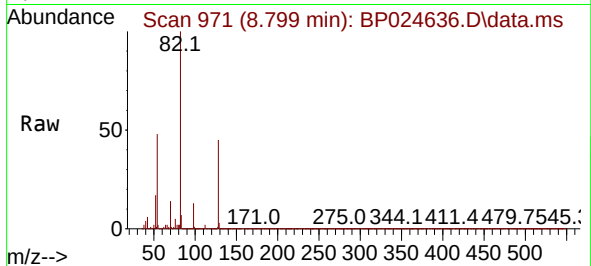




#23
Nitrobenzene-d5
Concen: 75.806 ng
RT: 8.799 min Scan# 91
Delta R.T. -0.012 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

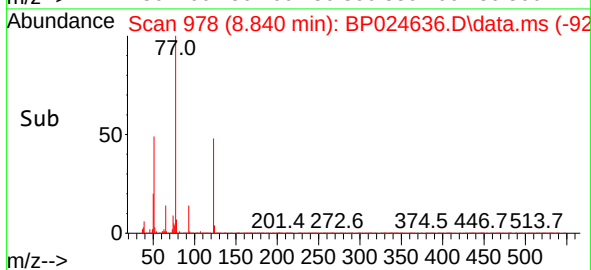
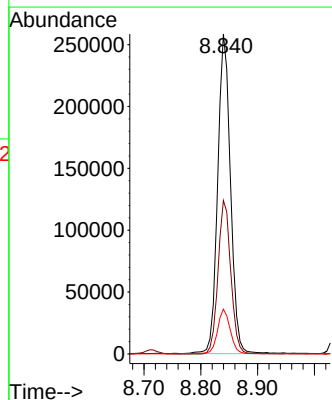
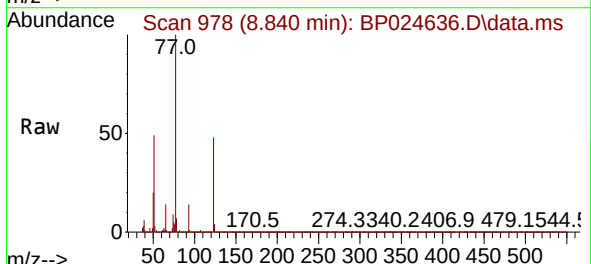
Instrument :
BNA_P
ClientSampleId :
PB167973BS

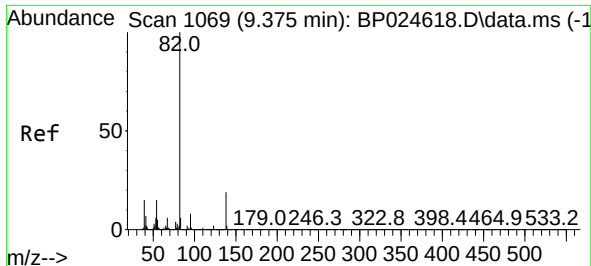
Tgt Ion: 82 Resp: 806449
Ion Ratio Lower Upper
82 100
128 45.0 37.0 55.4
54 47.8 38.7 58.1



#24
Nitrobenzene
Concen: 43.197 ng
RT: 8.840 min Scan# 978
Delta R.T. -0.012 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

Tgt Ion: 77 Resp: 404402
Ion Ratio Lower Upper
77 100
123 47.9 37.4 56.0
65 14.0 11.3 16.9

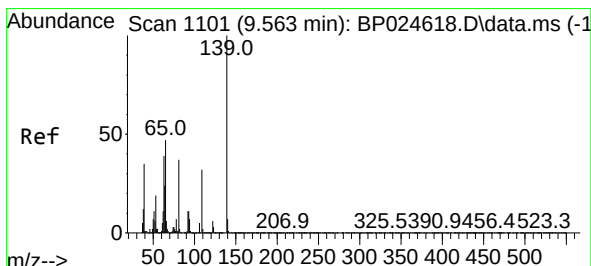
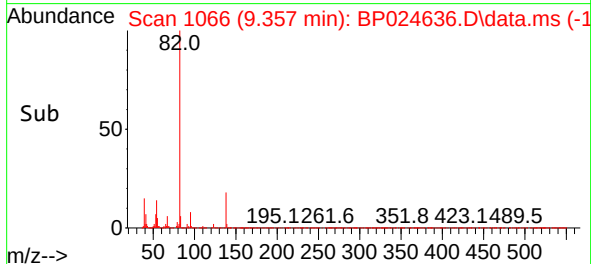
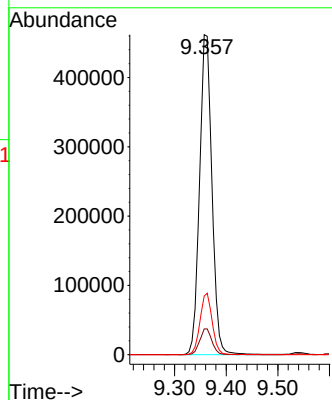
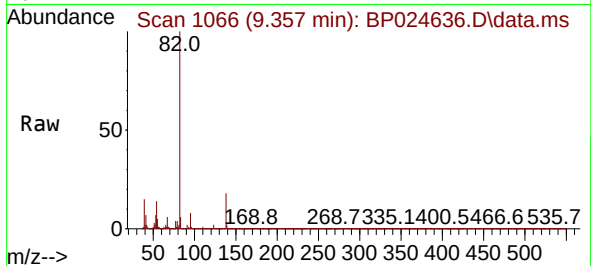




#25
Isophorone
Concen: 41.611 ng
RT: 9.357 min Scan# 1066
Delta R.T. -0.018 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

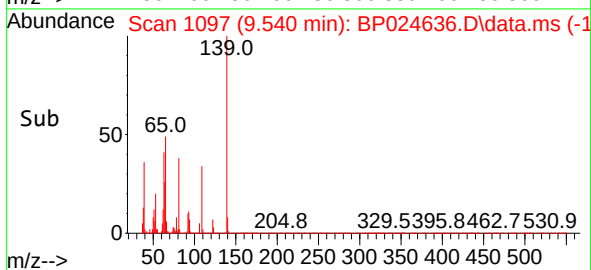
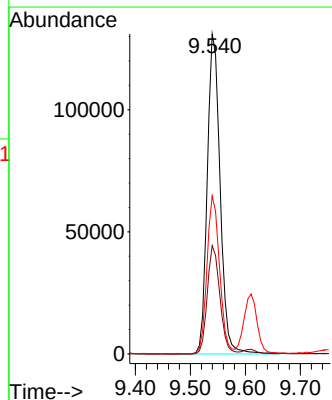
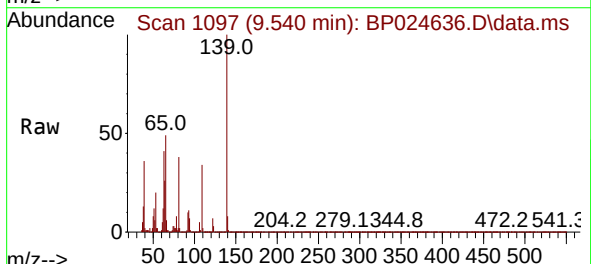
Instrument :
BNA_P
ClientSampleId :
PB167973BS

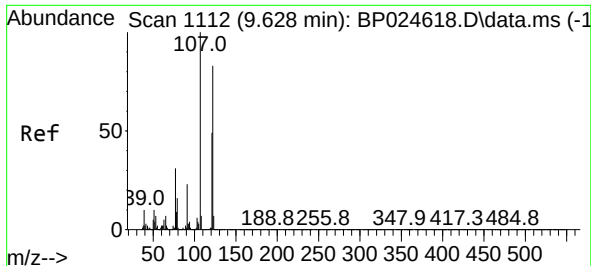
Tgt Ion: 82 Resp: 767868
Ion Ratio Lower Upper
82 100
95 8.0 6.3 9.5
138 18.3 15.3 22.9



#26
2-Nitrophenol
Concen: 46.359 ng
RT: 9.540 min Scan# 1097
Delta R.T. -0.024 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

Tgt Ion: 139 Resp: 212672
Ion Ratio Lower Upper
139 100
109 33.8 25.9 38.9
65 49.4 37.9 56.9





#27

2,4-Dimethylphenol

Concen: 47.020 ng

RT: 9.610 min Scan# 1112

Delta R.T. -0.018 min

Lab File: BP024636.D

Acq: 15 May 2025 13:53

Instrument :

BNA_P

ClientSampleId :

PB167973BS

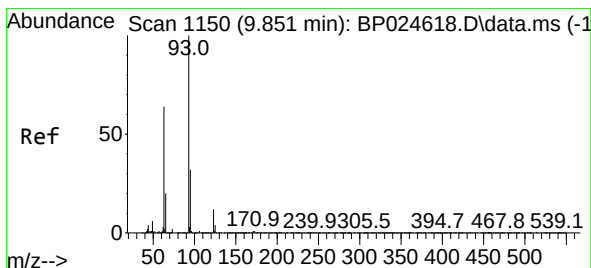
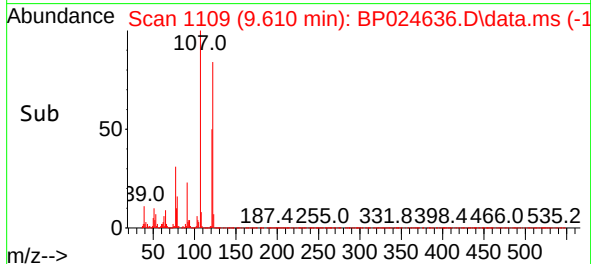
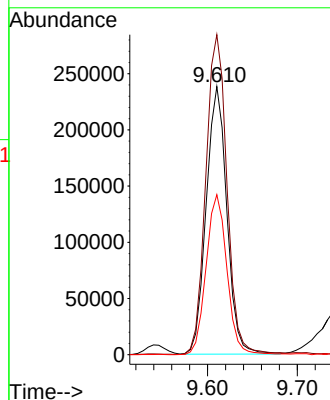
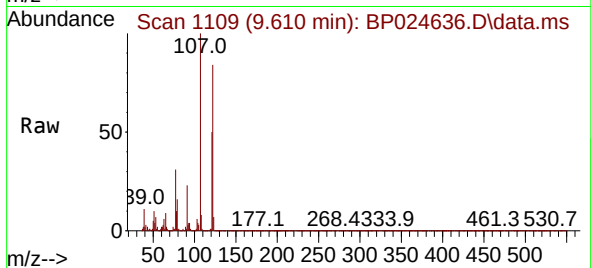
Tgt Ion:122 Resp: 380304

Ion Ratio Lower Upper

122 100

107 119.3 96.2 144.2

121 59.7 47.6 71.4



#28

bis(2-Chloroethoxy)methane

Concen: 42.382 ng

RT: 9.840 min Scan# 1148

Delta R.T. -0.012 min

Lab File: BP024636.D

Acq: 15 May 2025 13:53

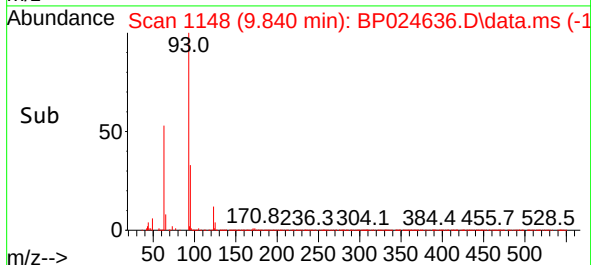
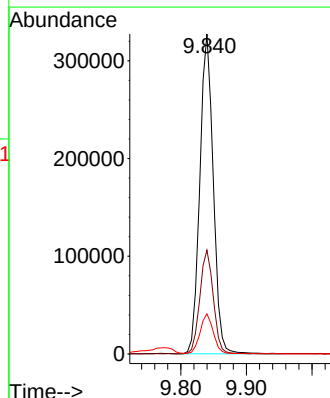
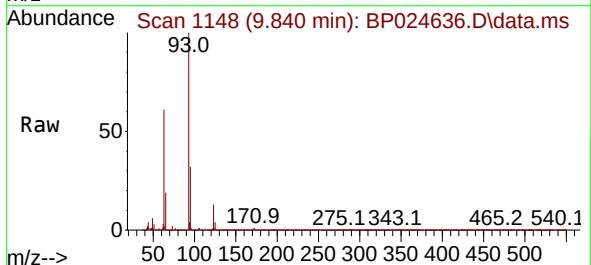
Tgt Ion: 93 Resp: 467255

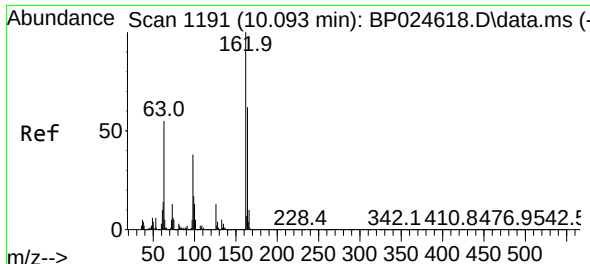
Ion Ratio Lower Upper

93 100

95 32.5 25.5 38.3

123 12.5 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 48.756 ng

RT: 10.087 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BP024636.D

Acq: 15 May 2025 13:53

Instrument :

BNA_P

ClientSampleId :

PB167973BS

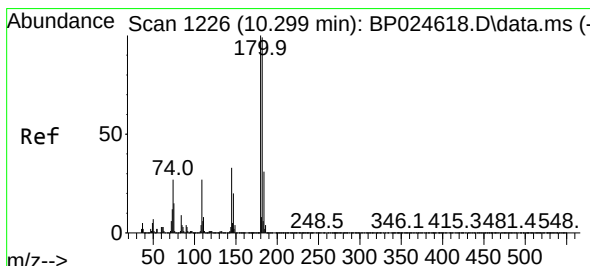
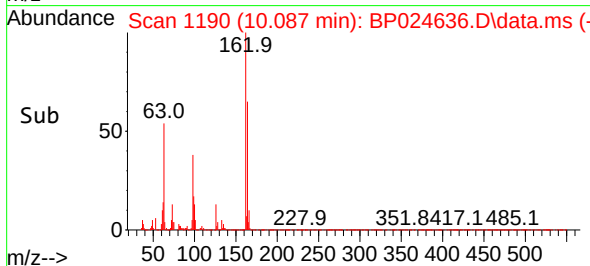
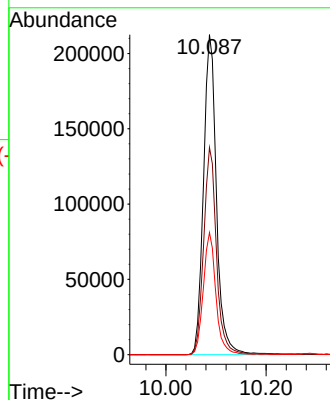
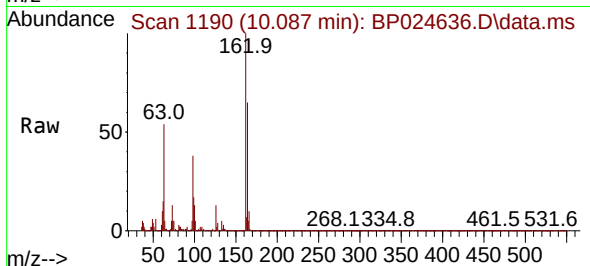
Tgt Ion:162 Resp: 382143

Ion Ratio Lower Upper

162 100

164 64.8 42.3 82.3

98 38.1 18.4 58.4



#30

1,2,4-Trichlorobenzene

Concen: 43.151 ng

RT: 10.287 min Scan# 1224

Delta R.T. -0.012 min

Lab File: BP024636.D

Acq: 15 May 2025 13:53

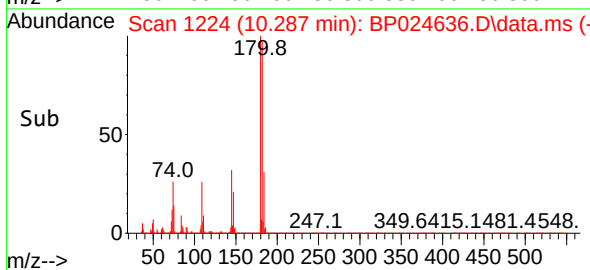
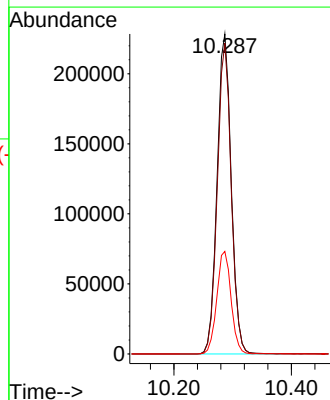
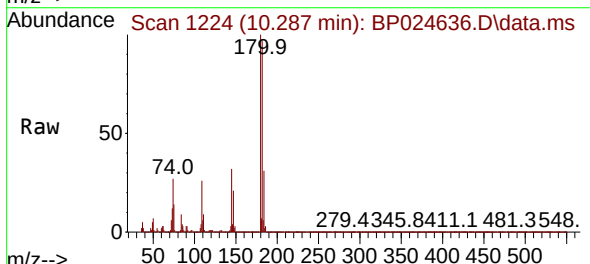
Tgt Ion:180 Resp: 381129

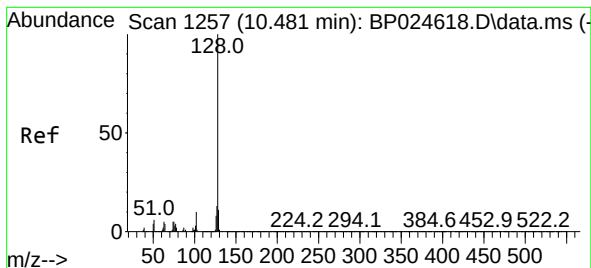
Ion Ratio Lower Upper

180 100

182 97.1 79.0 118.4

145 32.1 26.6 39.8

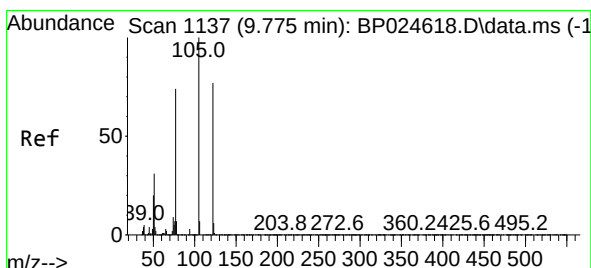
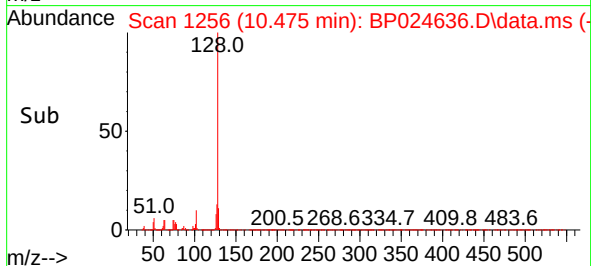
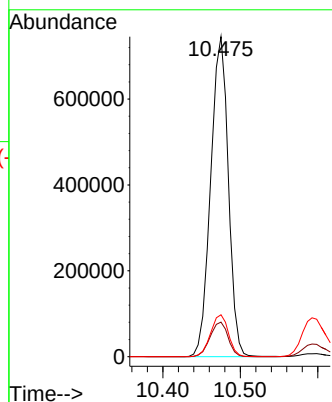
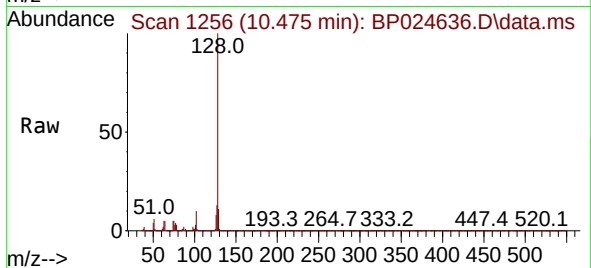




#31
Naphthalene
Concen: 42.353 ng
RT: 10.475 min Scan# 11256
Delta R.T. -0.006 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

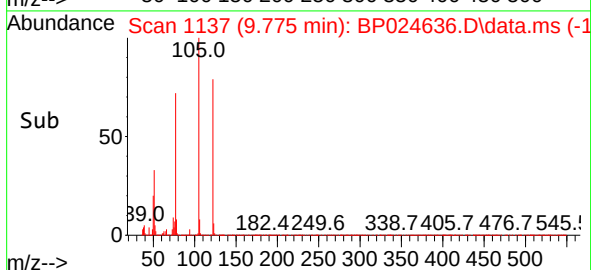
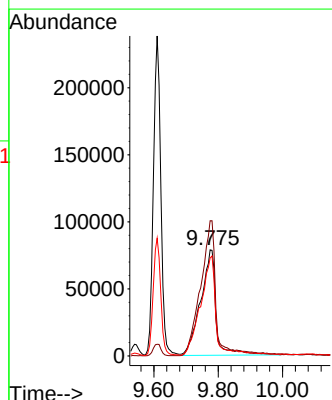
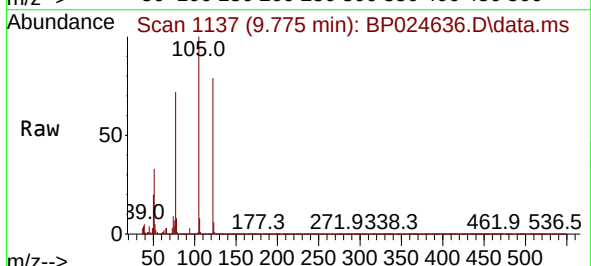
Instrument :
BNA_P
ClientSampleId :
PB167973BS

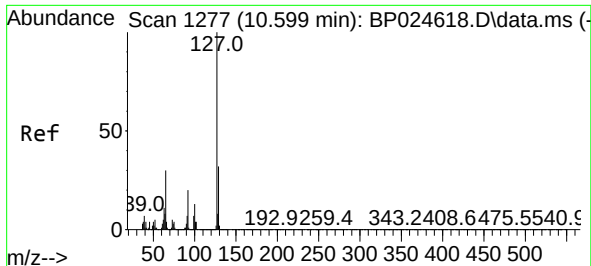
Tgt Ion:128 Resp: 1179733
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 13.1 10.7 16.1



#32
Benzoic acid
Concen: 46.811 ng
RT: 9.775 min Scan# 1137
Delta R.T. -0.000 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

Tgt Ion:122 Resp: 262342
Ion Ratio Lower Upper
122 100
105 127.4 106.9 146.9
77 92.3 75.1 115.1

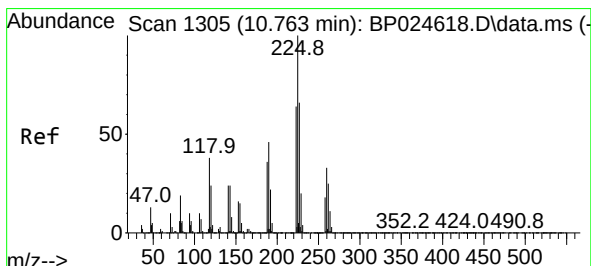
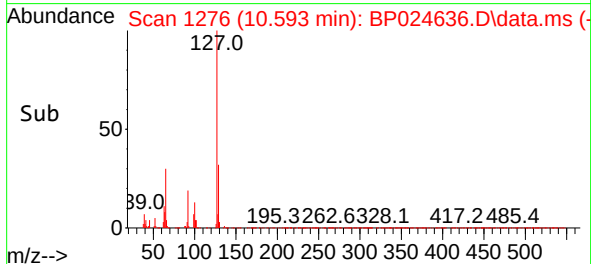
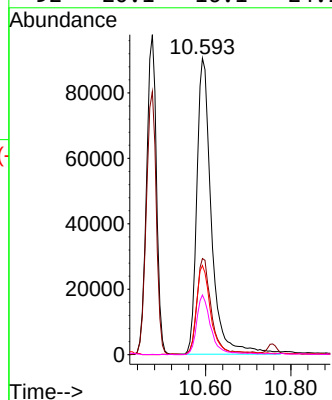
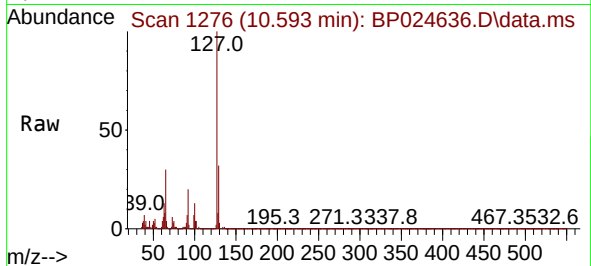




#33
4-Chloroaniline
Concen: 19.197 ng
RT: 10.593 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

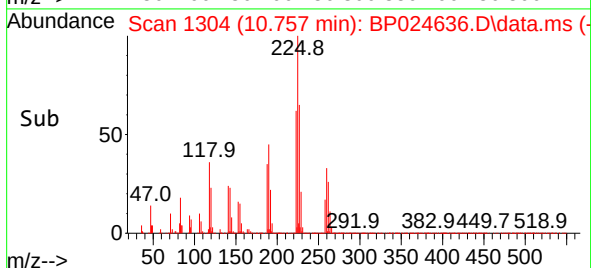
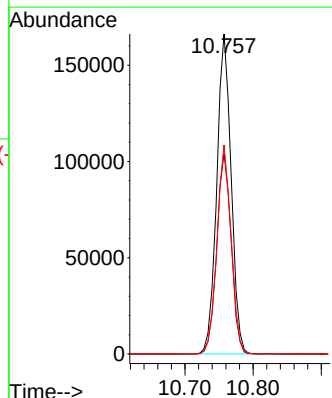
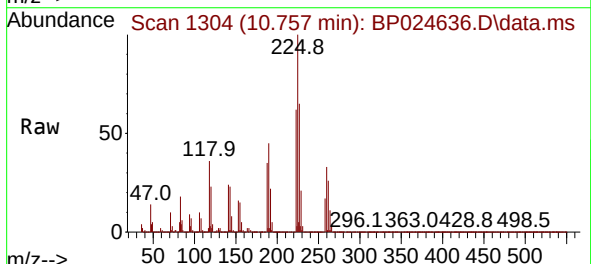
Instrument :
BNA_P
ClientSampleId :
PB167973BS

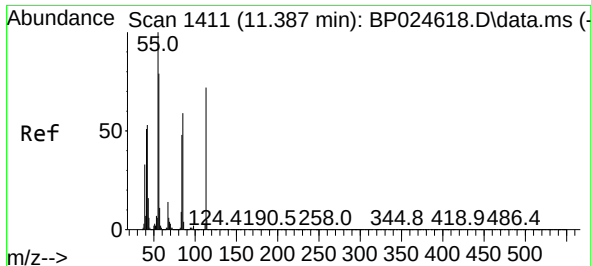
Tgt Ion:	127	Resp:	215778
Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.8	38.6
65	30.0	23.9	35.9
92	20.1	16.1	24.1



#34
Hexachlorobutadiene
Concen: 42.650 ng
RT: 10.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

Tgt Ion:	225	Resp:	244032
Ion	Ratio	Lower	Upper
225	100		
223	62.5	51.0	76.6
227	65.3	53.1	79.7

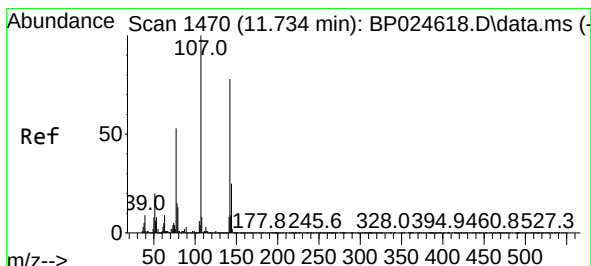
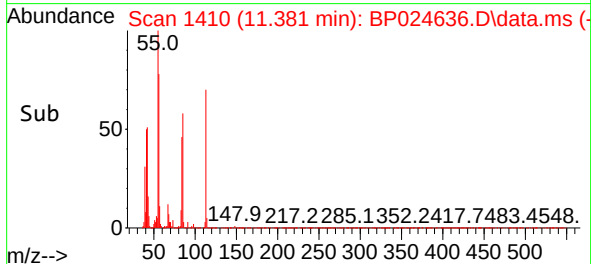
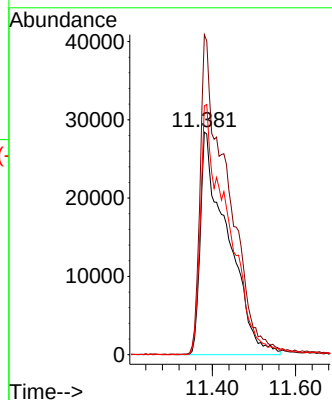
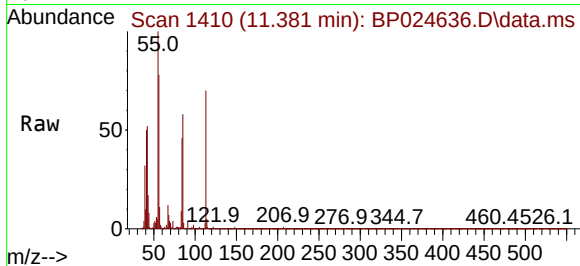




#35
Caprolactam
Concen: 45.423 ng
RT: 11.381 min Scan# 1411
Delta R.T. -0.006 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

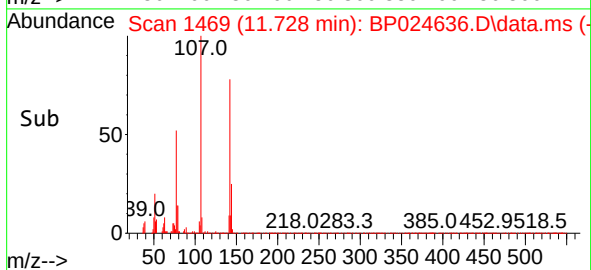
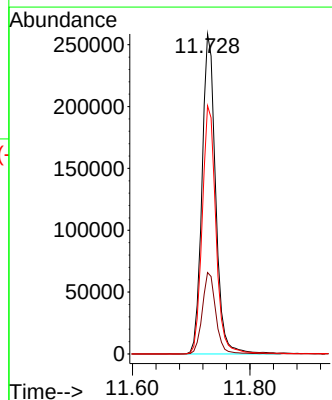
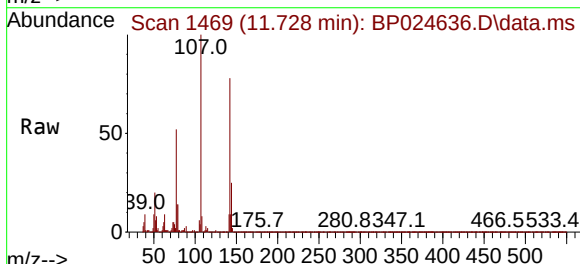
Instrument :
BNA_P
ClientSampleId :
PB167973BS

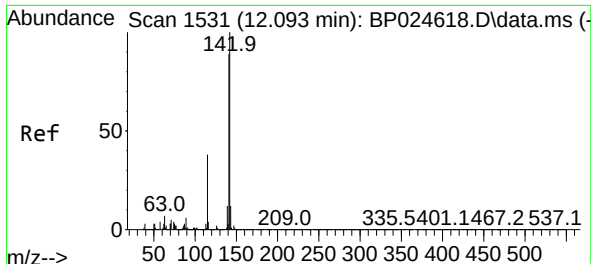
Tgt Ion:113 Resp: 128809
Ion Ratio Lower Upper
113 100
55 143.8 119.0 159.0
56 111.8 90.3 130.3



#36
4-Chloro-3-methylphenol
Concen: 43.596 ng
RT: 11.728 min Scan# 1469
Delta R.T. -0.006 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

Tgt Ion:107 Resp: 416701
Ion Ratio Lower Upper
107 100
144 25.5 20.1 30.1
142 77.5 62.1 93.1

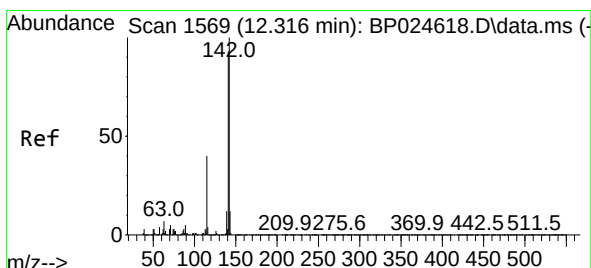
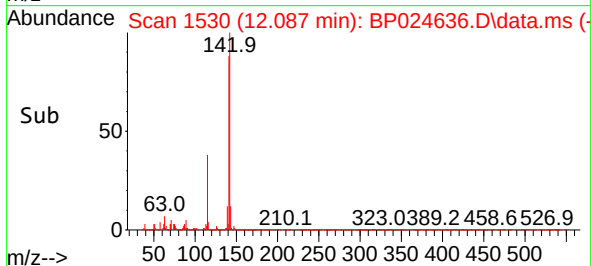
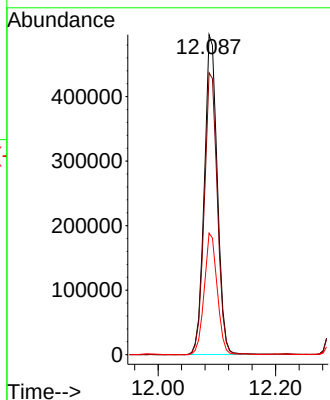
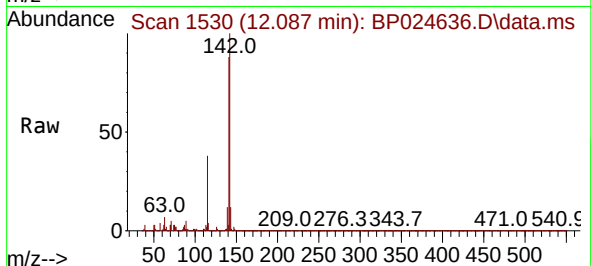




#37
2-Methylnaphthalene
Concen: 42.084 ng
RT: 12.087 min Scan# 1530
Delta R.T. -0.006 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

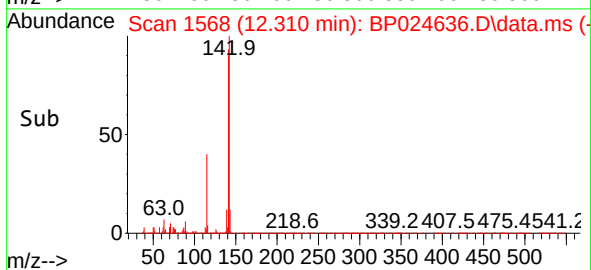
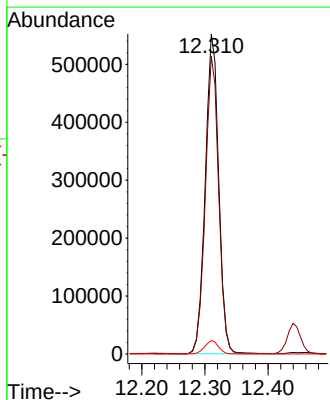
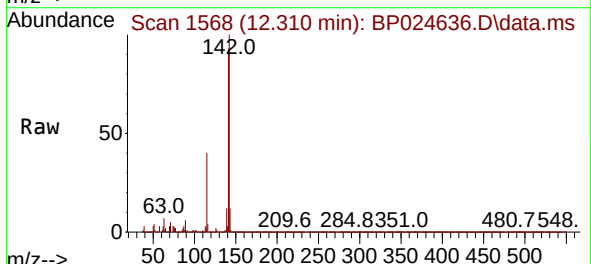
Instrument :
BNA_P
ClientSampleId :
PB167973BS

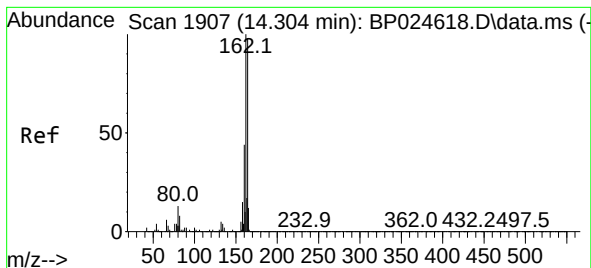
Tgt Ion:142 Resp: 759040
Ion Ratio Lower Upper
142 100
141 88.1 71.2 106.8
115 38.0 30.6 46.0



#38
1-Methylnaphthalene
Concen: 42.174 ng
RT: 12.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

Tgt Ion:142 Resp: 813878
Ion Ratio Lower Upper
142 100
141 93.1 74.7 112.1
116 4.2 3.4 5.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.298 min Scan# 1906

Delta R.T. -0.006 min

Lab File: BP024636.D

Acq: 15 May 2025 13:53

Instrument :

BNA_P

ClientSampleId :

PB167973BS

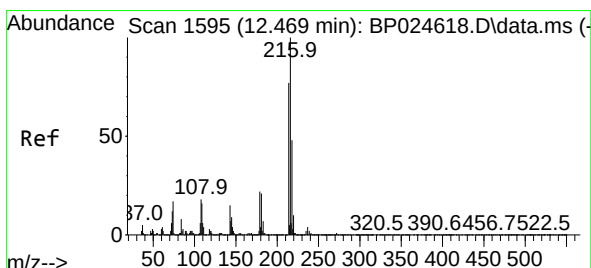
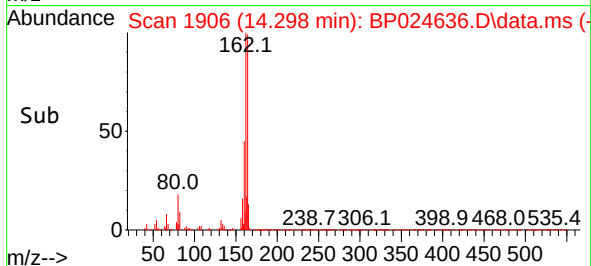
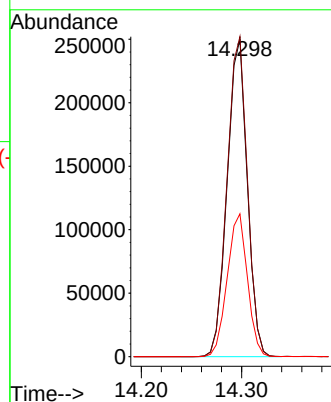
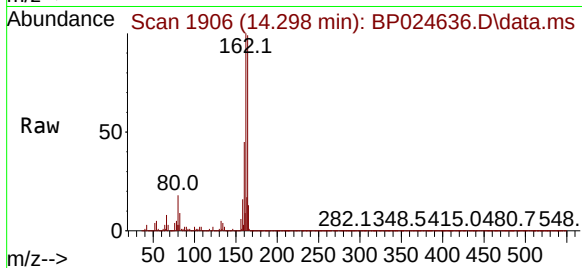
Tgt Ion:164 Resp: 347277

Ion Ratio Lower Upper

164 100

162 100.8 81.8 122.6

160 45.0 36.3 54.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 43.595 ng

RT: 12.463 min Scan# 1594

Delta R.T. -0.006 min

Lab File: BP024636.D

Acq: 15 May 2025 13:53

Tgt Ion:216 Resp: 439636

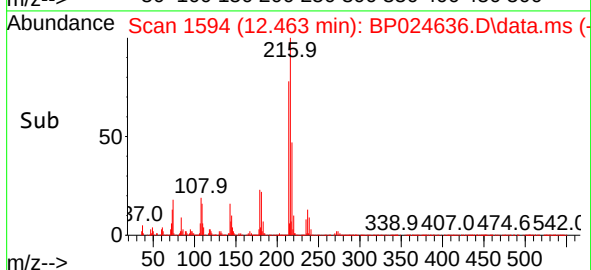
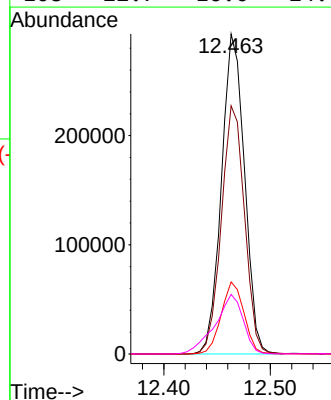
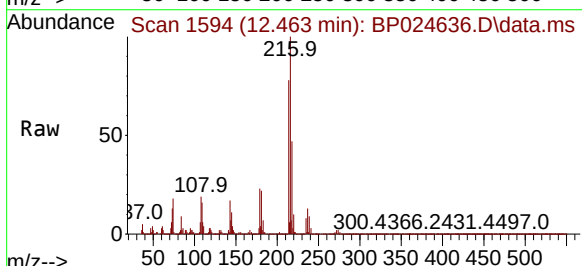
Ion Ratio Lower Upper

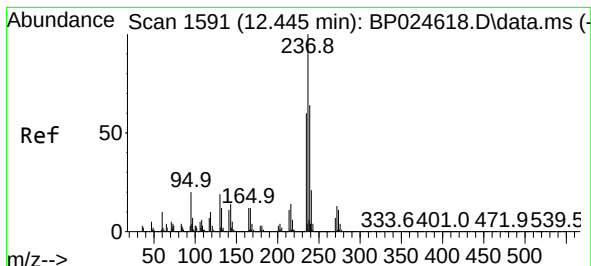
216 100

214 78.2 62.3 93.5

179 22.3 17.7 26.5

108 22.7 16.0 24.0





#41

Hexachlorocyclopentadiene

Concen: 101.081 ng

RT: 12.440 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP024636.D

Acq: 15 May 2025 13:53

Instrument :

BNA_P

ClientSampleId :

PB167973BS

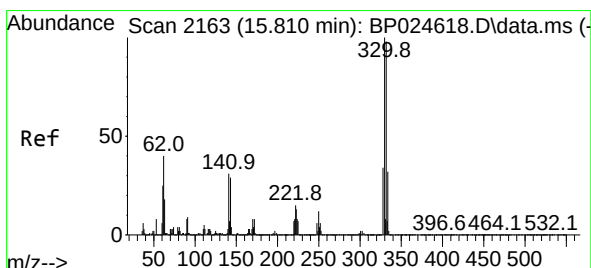
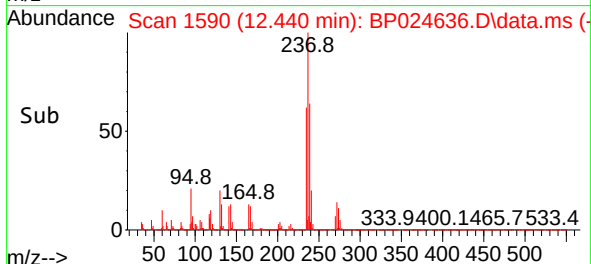
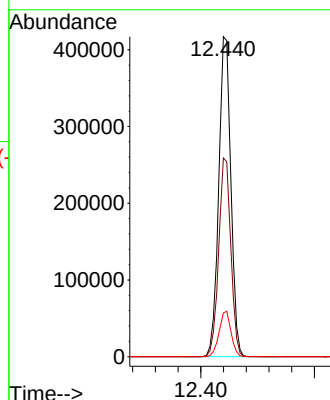
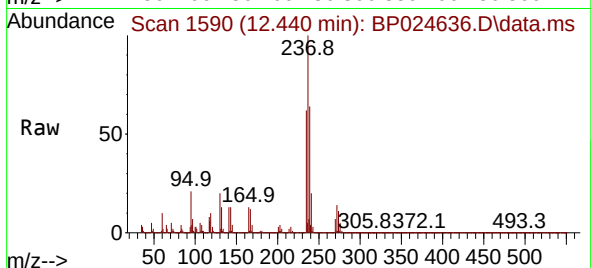
Tgt Ion:237 Resp: 618099

Ion Ratio Lower Upper

237 100

235 62.1 39.9 79.9

272 13.6 0.0 33.2



#42

2,4,6-Tribromophenol

Concen: 134.019 ng

RT: 15.816 min Scan# 2164

Delta R.T. 0.006 min

Lab File: BP024636.D

Acq: 15 May 2025 13:53

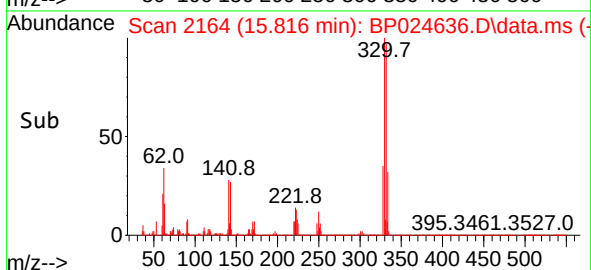
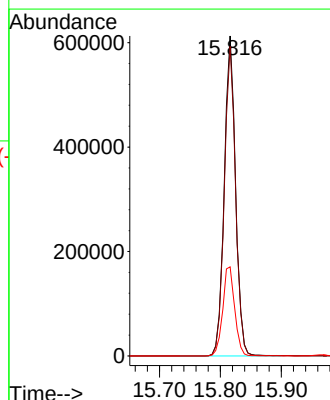
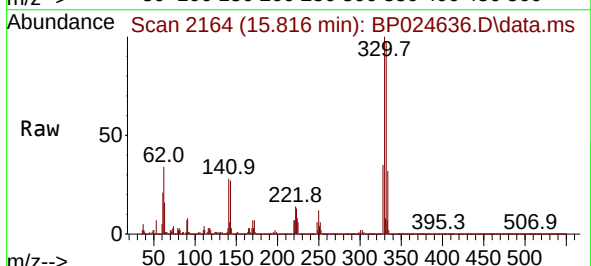
Tgt Ion:330 Resp: 789015

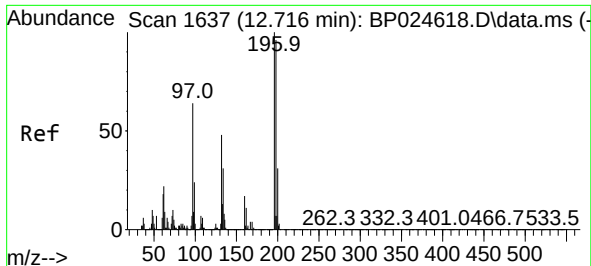
Ion Ratio Lower Upper

330 100

332 96.4 78.2 117.4

141 29.5 24.3 36.5

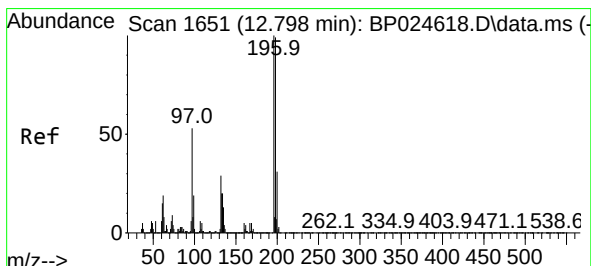
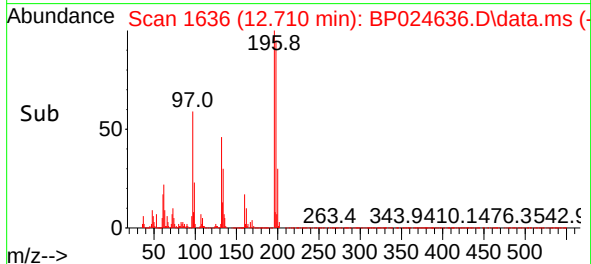
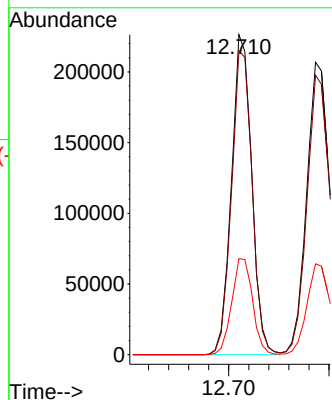
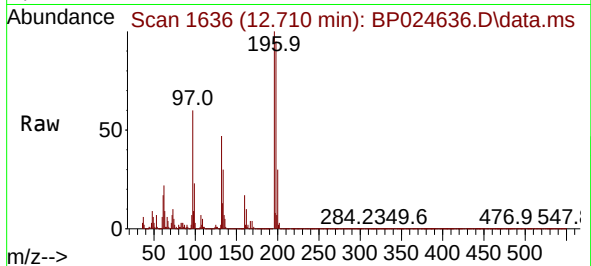




#43
2,4,6-Trichlorophenol
Concen: 48.539 ng
RT: 12.710 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

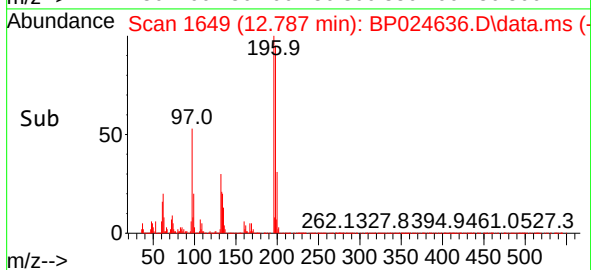
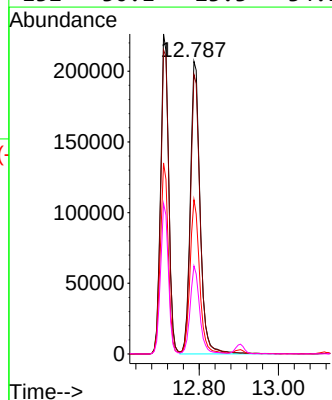
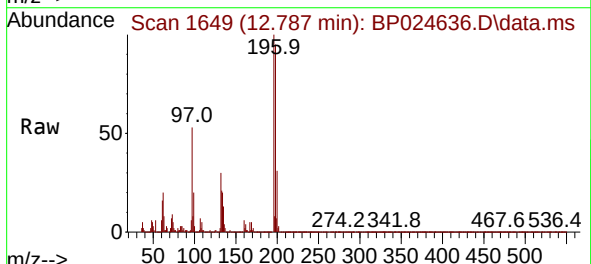
Instrument :
BNA_P
ClientSampleId :
PB167973BS

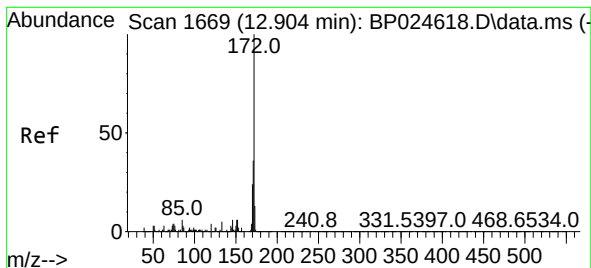
Tgt Ion:196 Resp: 317048
Ion Ratio Lower Upper
196 100
198 95.0 76.9 115.3
200 30.0 25.2 37.8



#44
2,4,5-Trichlorophenol
Concen: 48.883 ng
RT: 12.787 min Scan# 1649
Delta R.T. -0.012 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

Tgt Ion:196 Resp: 355418
Ion Ratio Lower Upper
196 100
198 95.5 79.2 118.8
97 52.7 42.3 63.5
132 30.1 23.3 34.9





#45

2-Fluorobiphenyl

Concen: 74.470 ng

RT: 12.904 min Scan# 1669

Delta R.T. -0.000 min

Lab File: BP024636.D

Acq: 15 May 2025 13:53

Instrument :

BNA_P

ClientSampleId :

PB167973BS

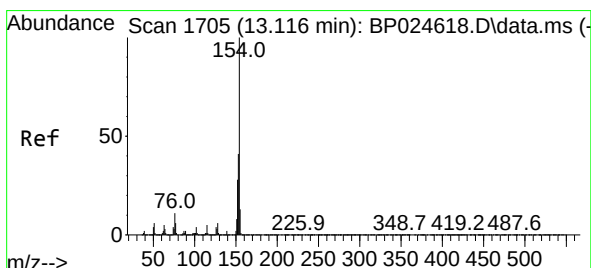
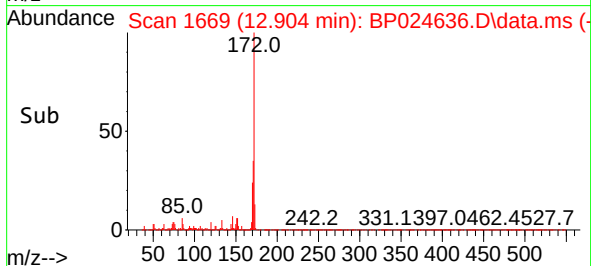
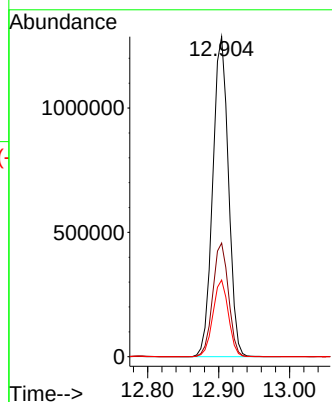
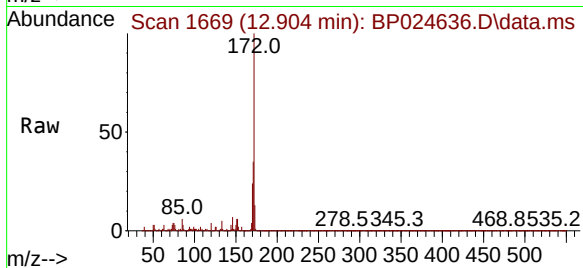
Tgt Ion:172 Resp: 1973979

Ion Ratio Lower Upper

172 100

171 35.5 28.8 43.2

170 23.9 18.8 28.2



#46

1,1'-Biphenyl

Concen: 42.370 ng

RT: 13.110 min Scan# 1704

Delta R.T. -0.006 min

Lab File: BP024636.D

Acq: 15 May 2025 13:53

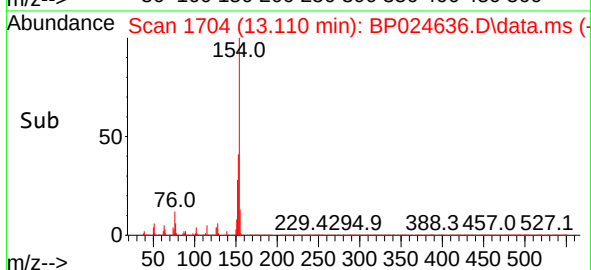
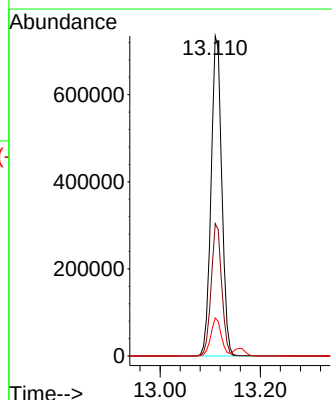
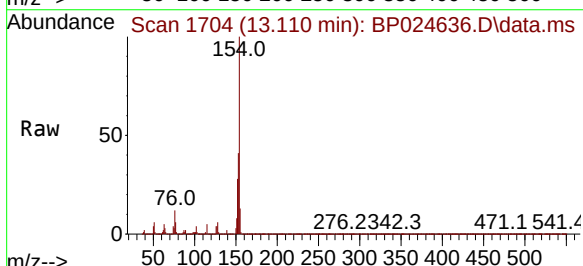
Tgt Ion:154 Resp: 1087547

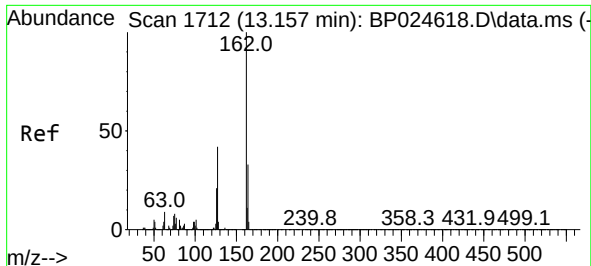
Ion Ratio Lower Upper

154 100

153 41.4 21.0 61.0

76 11.8 0.0 31.5

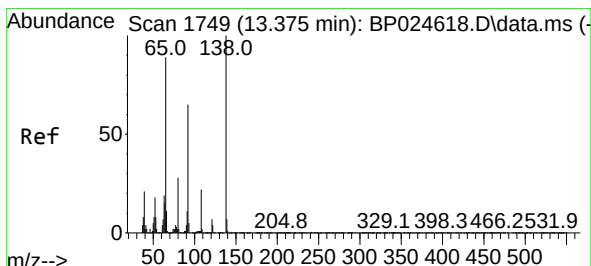
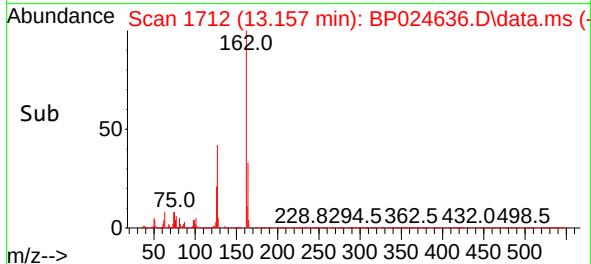
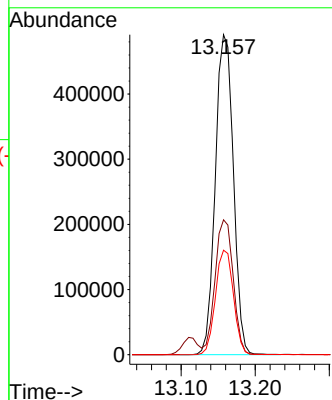
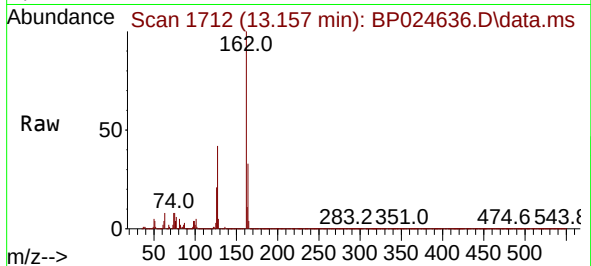




#47
2-Chloronaphthalene
Concen: 42.452 ng
RT: 13.157 min Scan# 1712
Delta R.T. -0.000 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

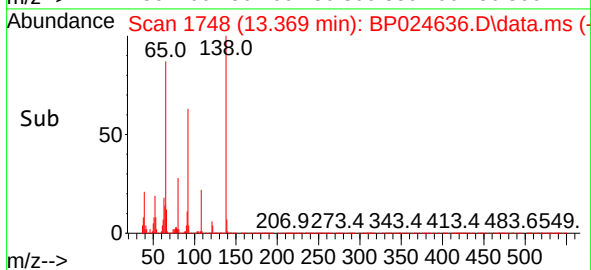
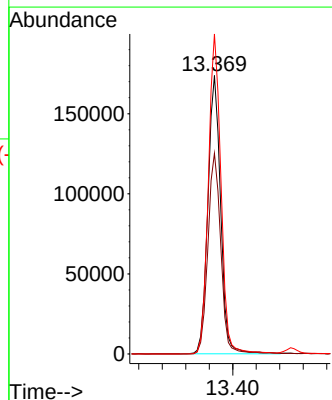
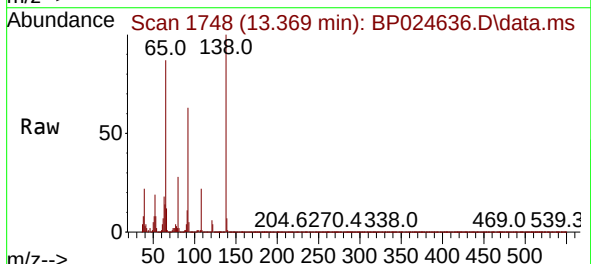
Instrument :
BNA_P
ClientSampleId :
PB167973BS

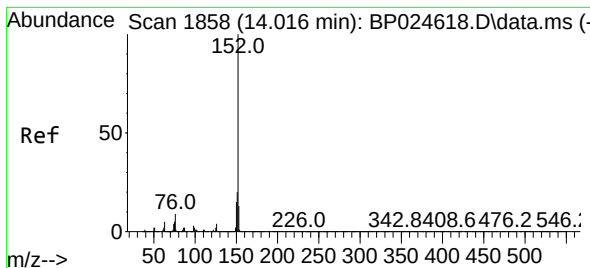
Tgt Ion:162 Resp: 830827
Ion Ratio Lower Upper
162 100
127 42.2 33.8 50.6
164 32.6 26.0 39.0



#48
2-Nitroaniline
Concen: 45.161 ng
RT: 13.369 min Scan# 1748
Delta R.T. -0.006 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

Tgt Ion: 65 Resp: 261668
Ion Ratio Lower Upper
65 100
92 72.1 58.7 88.1
138 114.9 90.2 135.2





#49

Acenaphthylene

Concen: 42.731 ng

RT: 14.016 min Scan# 1858

Delta R.T. -0.000 min

Lab File: BP024636.D

Acq: 15 May 2025 13:53

Instrument :

BNA_P

ClientSampleId :

PB167973BS

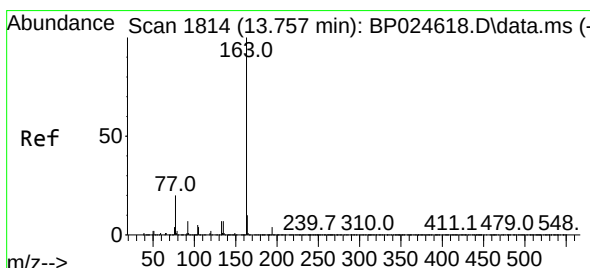
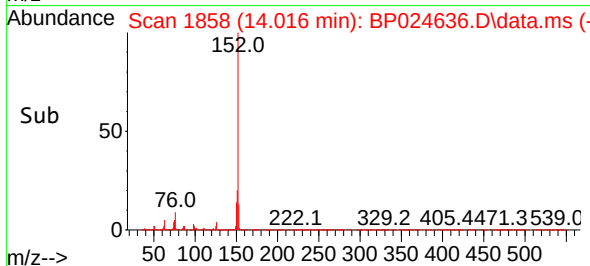
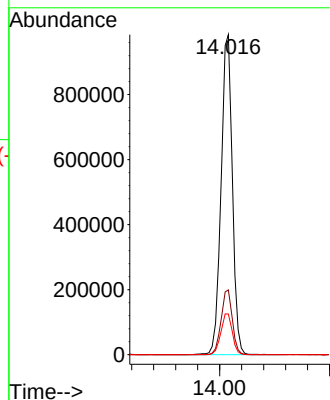
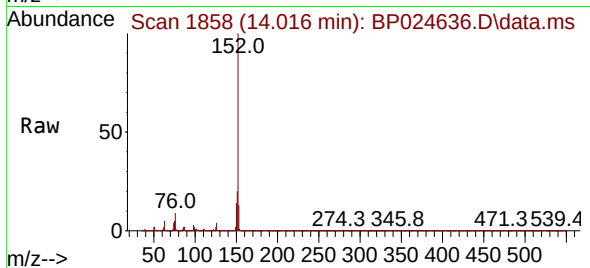
Tgt Ion:152 Resp: 1399482

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.4

153 12.7 10.2 15.4



#50

Dimethylphthalate

Concen: 43.156 ng

RT: 13.757 min Scan# 1814

Delta R.T. -0.000 min

Lab File: BP024636.D

Acq: 15 May 2025 13:53

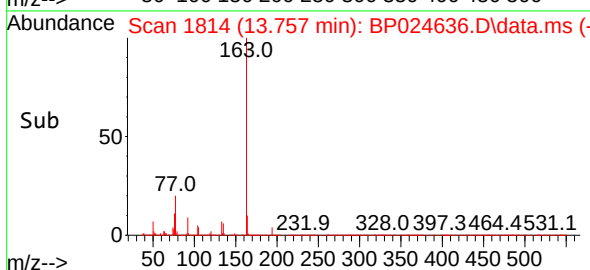
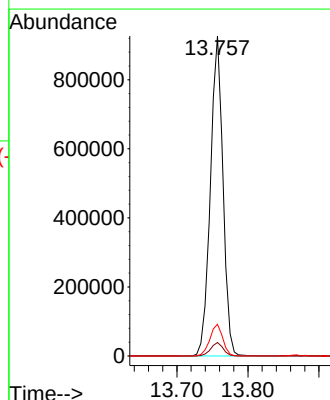
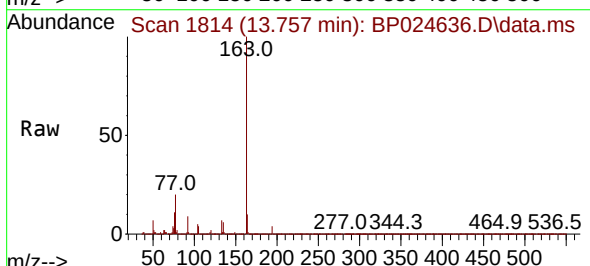
Tgt Ion:163 Resp: 1142335

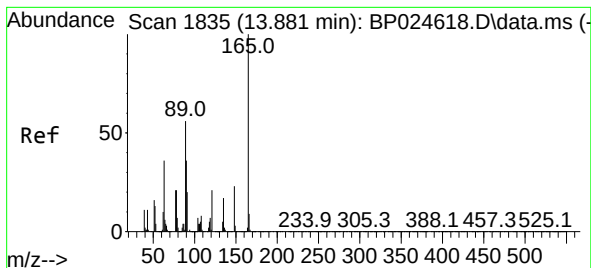
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

164 9.9 8.1 12.1

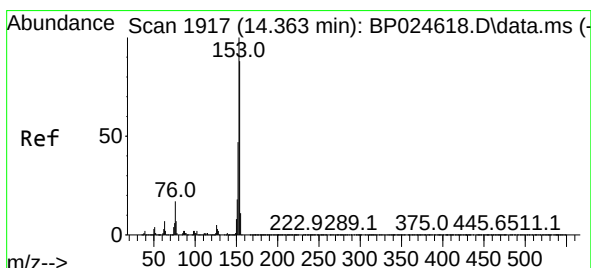
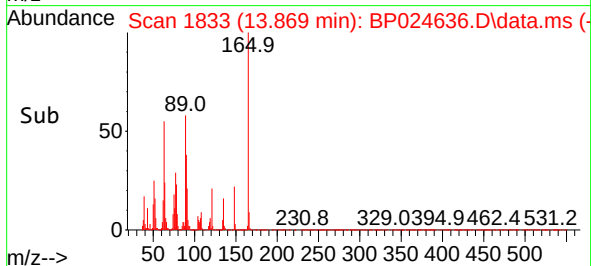
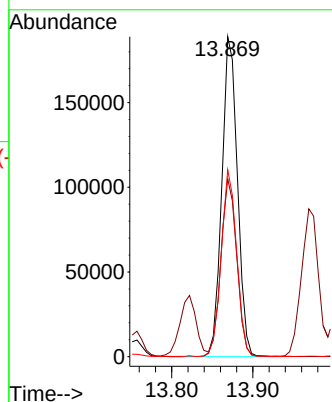
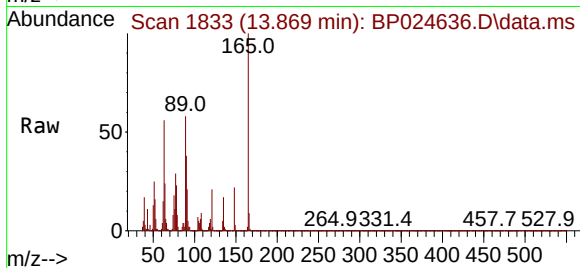




#51
2,6-Dinitrotoluene
Concen: 45.211 ng
RT: 13.869 min Scan# 1833
Delta R.T. -0.012 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

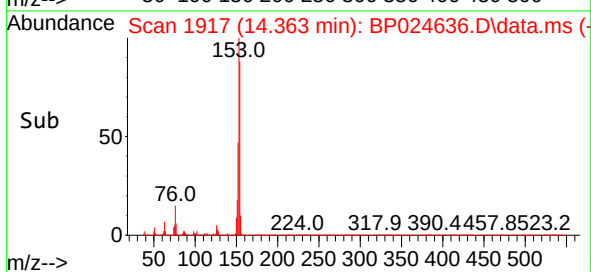
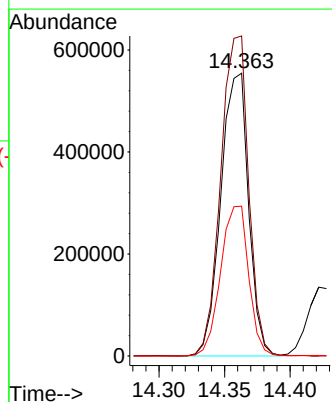
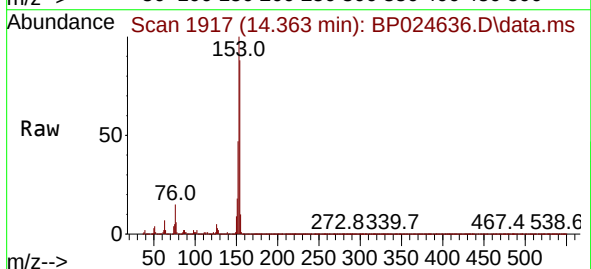
Instrument :
BNA_P
ClientSampleId :
PB167973BS

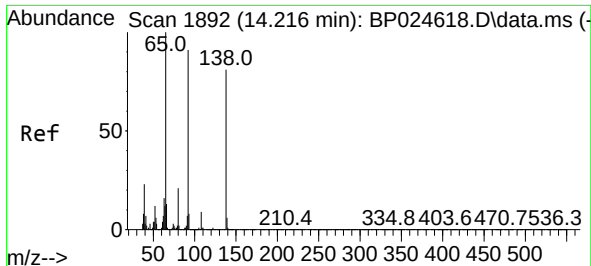
Tgt Ion:165 Resp: 252742
Ion Ratio Lower Upper
165 100
63 55.6 42.4 63.6
89 58.4 44.8 67.2



#52
Acenaphthene
Concen: 43.217 ng
RT: 14.363 min Scan# 1917
Delta R.T. -0.000 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

Tgt Ion:154 Resp: 813698
Ion Ratio Lower Upper
154 100
153 113.2 91.0 136.4
152 53.0 42.9 64.3

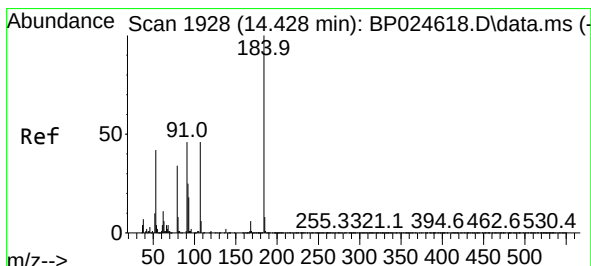
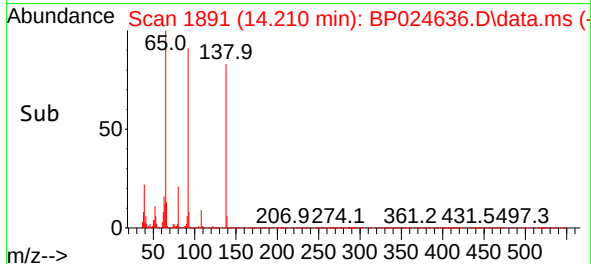
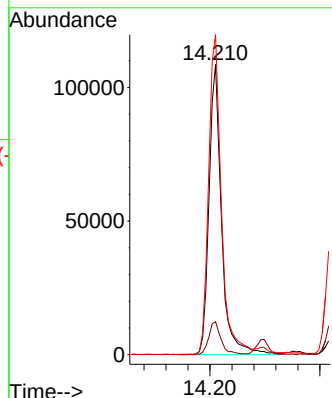
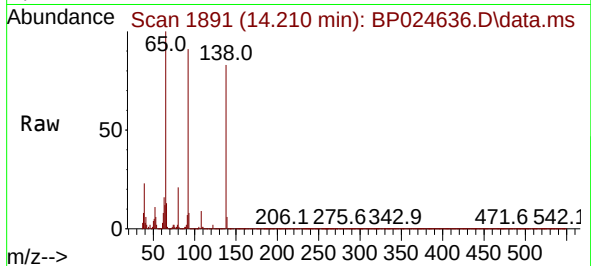




#53
3-Nitroaniline
Concen: 30.018 ng
RT: 14.210 min Scan# 1892
Delta R.T. -0.006 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

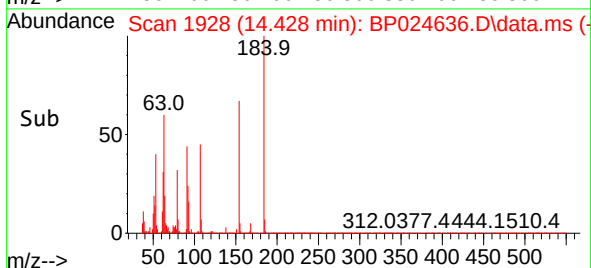
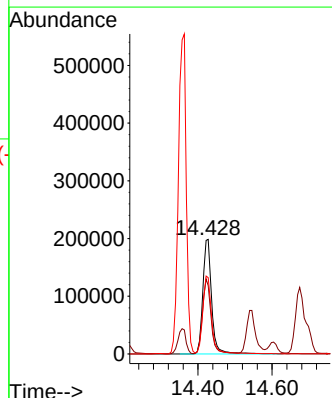
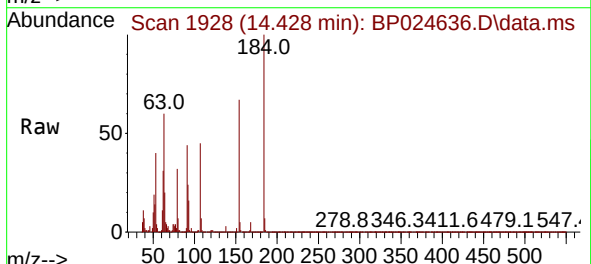
Instrument :
BNA_P
ClientSampleId :
PB167973BS

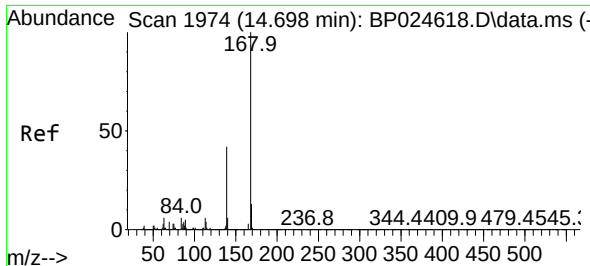
Tgt Ion:138 Resp: 171345
Ion Ratio Lower Upper
138 100
108 11.3 9.0 13.4
92 110.3 90.1 135.1



#54
2,4-Dinitrophenol
Concen: 91.929 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

Tgt Ion:184 Resp: 327717
Ion Ratio Lower Upper
184 100
63 59.6 51.3 76.9
154 66.6 53.5 80.3

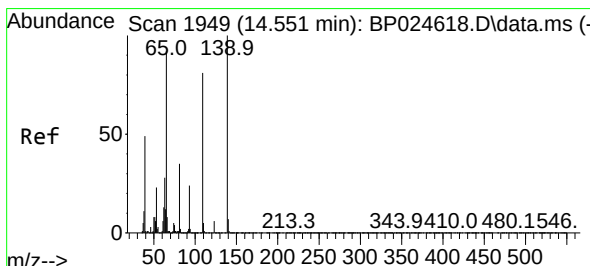
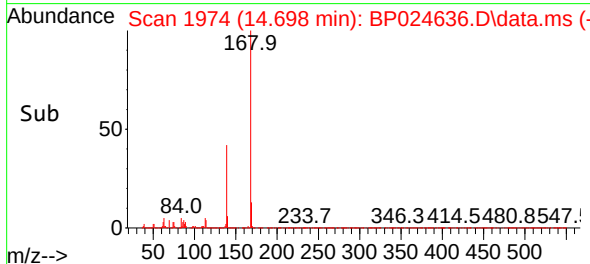
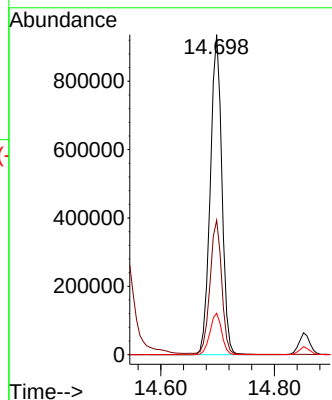
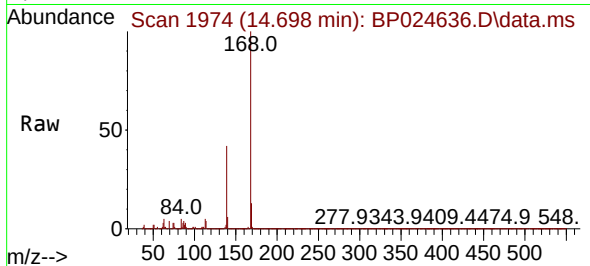




#55
Dibenzofuran
Concen: 43.757 ng
RT: 14.698 min Scan# 1974
Delta R.T. -0.000 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

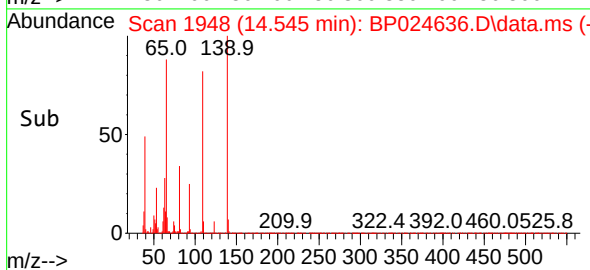
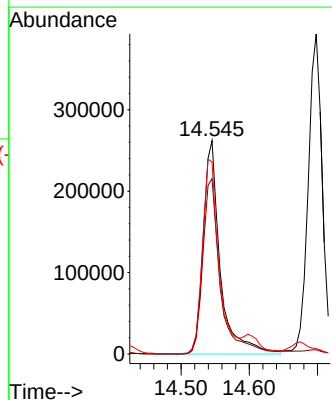
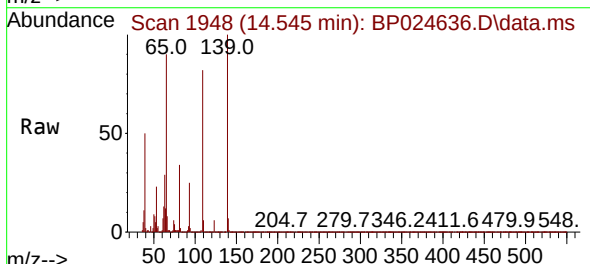
Instrument :
BNA_P
ClientSampleId :
PB167973BS

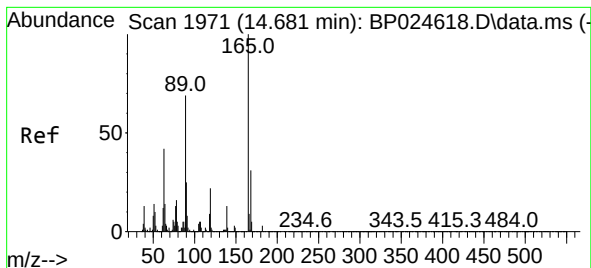
Tgt Ion:168 Resp: 1314124
Ion Ratio Lower Upper
168 100
139 42.0 34.2 51.4
169 12.9 10.8 16.2



#56
4-Nitrophenol
Concen: 91.385 ng
RT: 14.545 min Scan# 1948
Delta R.T. -0.006 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

Tgt Ion:139 Resp: 454745
Ion Ratio Lower Upper
139 100
109 82.3 61.4 101.4
65 90.1 72.2 112.2

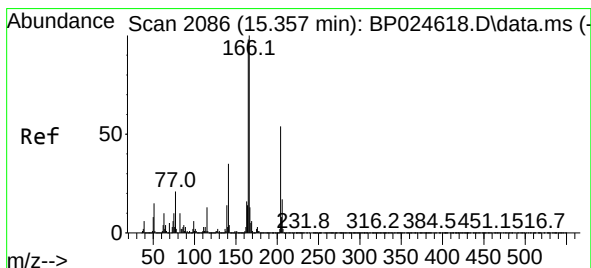
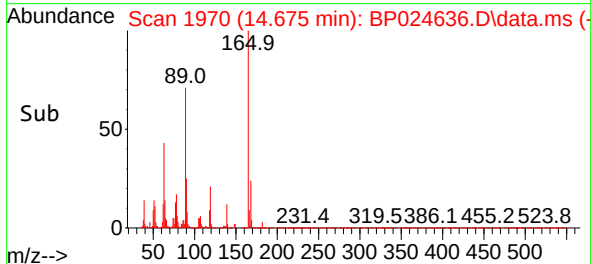
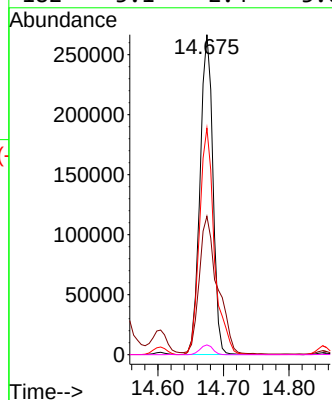
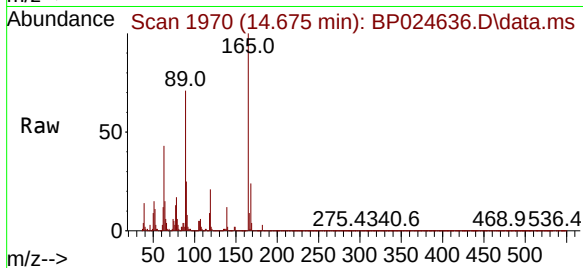




#57
2,4-Dinitrotoluene
Concen: 46.266 ng
RT: 14.675 min Scan# 1970
Delta R.T. -0.006 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

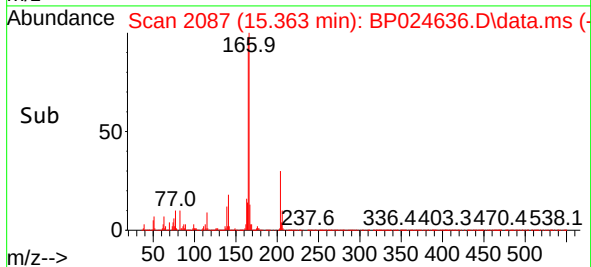
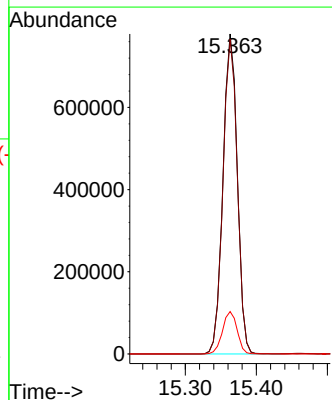
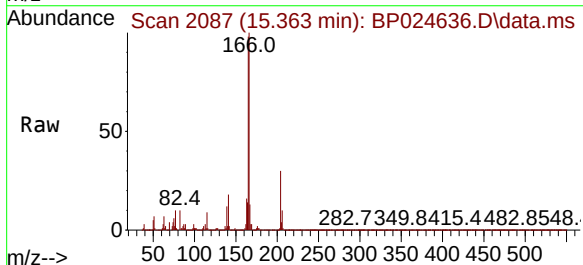
Instrument :
BNA_P
ClientSampleId :
PB167973BS

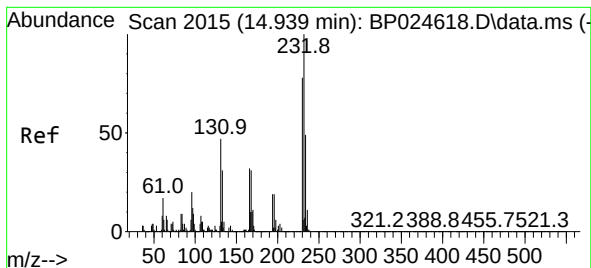
Tgt Ion:165 Resp: 364632
Ion Ratio Lower Upper
165 100
63 43.3 33.8 50.6
89 70.8 55.6 83.4
182 3.1 2.4 3.6



#58
Fluorene
Concen: 44.389 ng
RT: 15.363 min Scan# 2087
Delta R.T. 0.006 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

Tgt Ion:166 Resp: 1086996
Ion Ratio Lower Upper
166 100
165 98.4 78.5 117.7
167 13.3 10.7 16.1

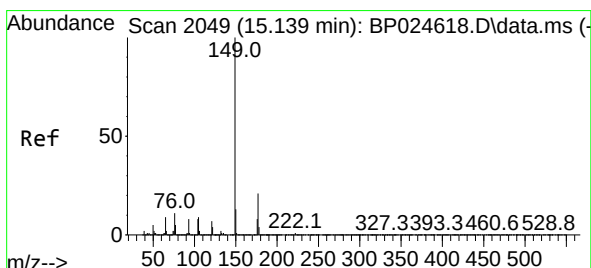
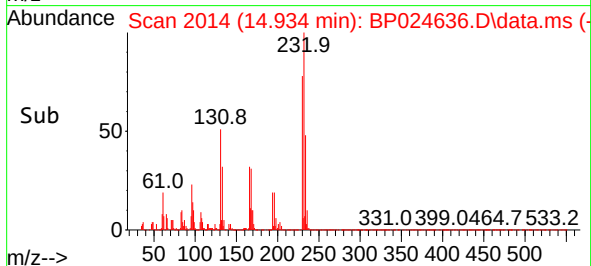
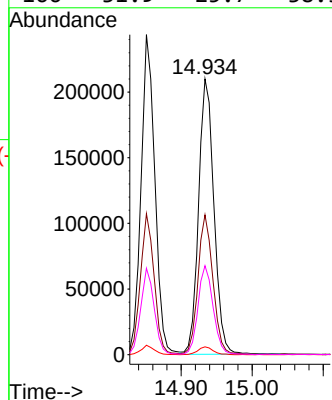
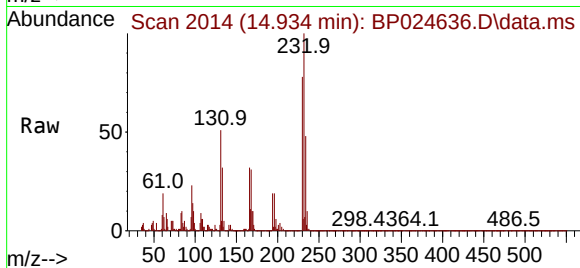




#59
2,3,4,6-Tetrachlorophenol
Concen: 46.974 ng
RT: 14.934 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

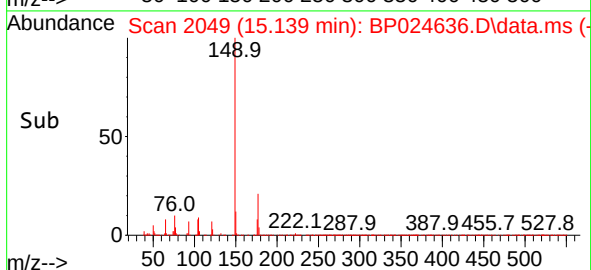
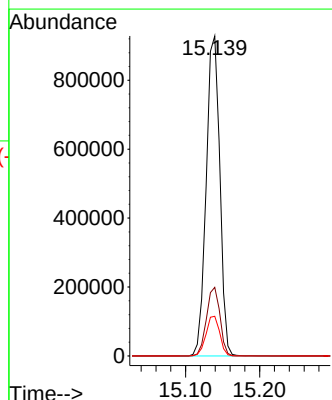
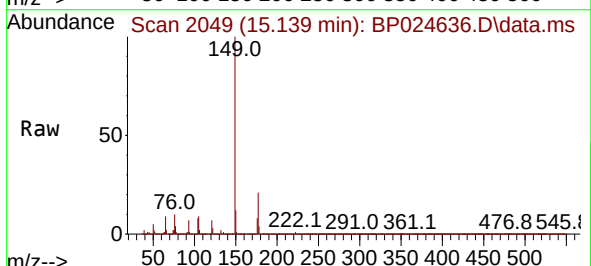
Instrument :
BNA_P
ClientSampleId :
PB167973BS

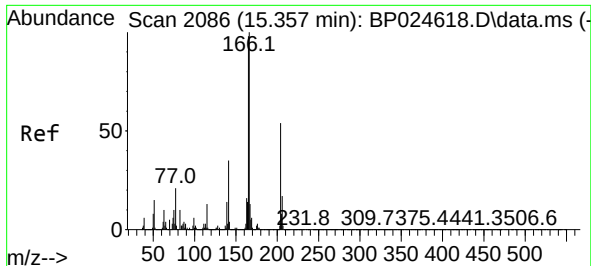
Tgt Ion:232 Resp: 316831
Ion Ratio Lower Upper
232 100
131 49.2 39.5 59.3
130 2.8 2.2 3.4
166 31.9 25.7 38.5



#60
Diethylphthalate
Concen: 44.273 ng
RT: 15.139 min Scan# 2049
Delta R.T. -0.000 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

Tgt Ion:149 Resp: 1184435
Ion Ratio Lower Upper
149 100
177 21.5 16.7 25.1
150 12.4 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 44.463 ng
RT: 15.351 min Scan# 2085
Delta R.T. -0.006 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

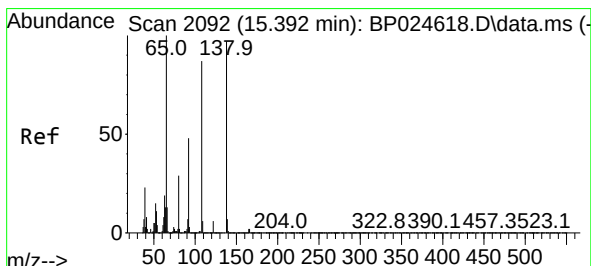
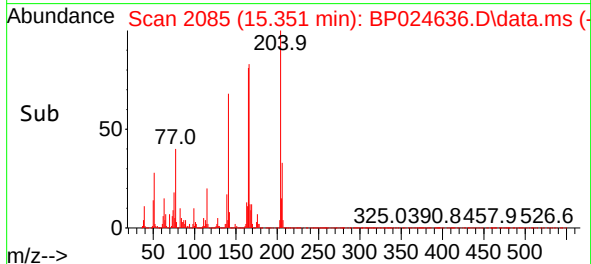
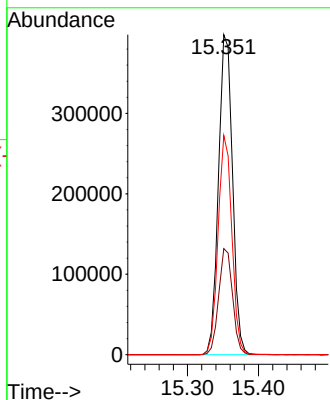
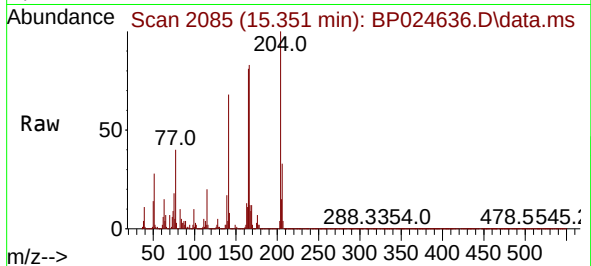
Instrument :

BNA_P

ClientSampleId :

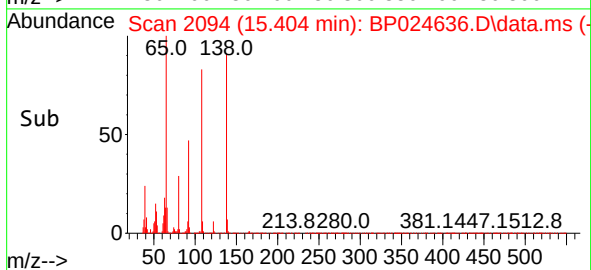
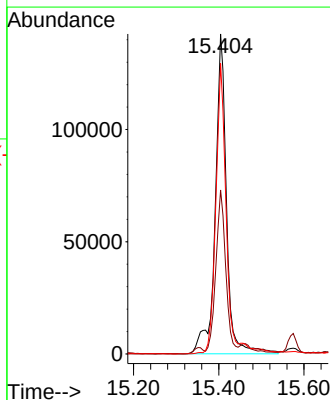
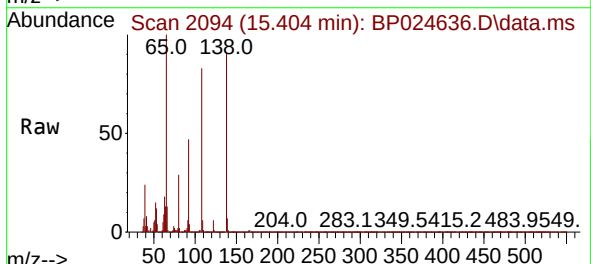
PB167973BS

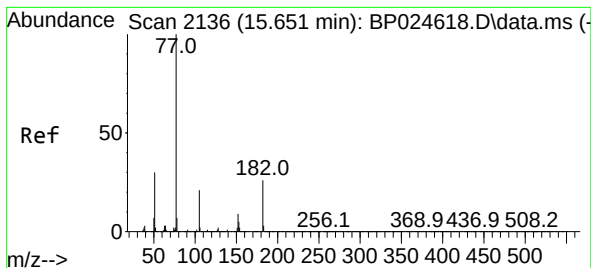
Tgt Ion:204 Resp: 542996
Ion Ratio Lower Upper
204 100
206 33.2 26.0 39.0
141 68.5 52.9 79.3



#62
4-Nitroaniline
Concen: 47.641 ng
RT: 15.404 min Scan# 2094
Delta R.T. 0.012 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

Tgt Ion:138 Resp: 262574
Ion Ratio Lower Upper
138 100
92 51.2 29.2 69.2
108 90.8 69.0 109.0





#63

Azobenzene

Concen: 44.109 ng

RT: 15.657 min Scan# 2136

Delta R.T. 0.006 min

Lab File: BP024636.D

Acq: 15 May 2025 13:53

Instrument :

BNA_P

ClientSampleId :

PB167973BS

Tgt Ion: 77 Resp: 1009501

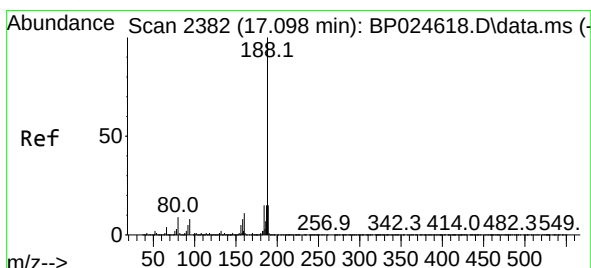
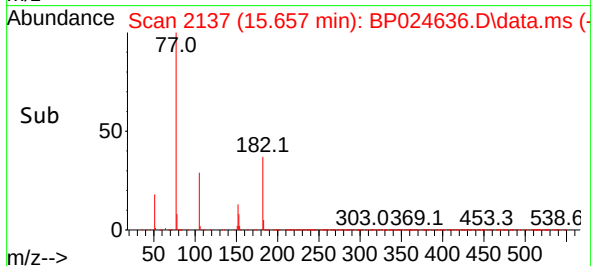
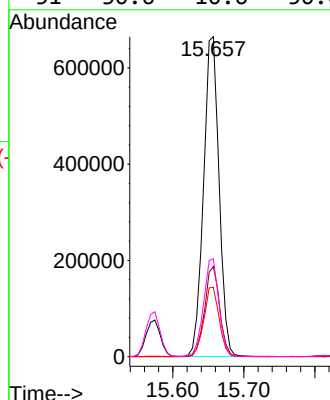
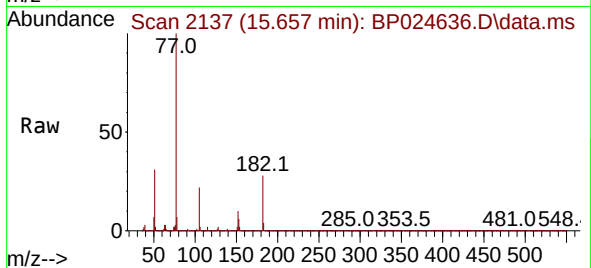
Ion Ratio Lower Upper

77 100

182 28.1 5.7 45.7

105 21.7 1.3 41.3

51 30.6 10.6 50.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.098 min Scan# 2382

Delta R.T. -0.000 min

Lab File: BP024636.D

Acq: 15 May 2025 13:53

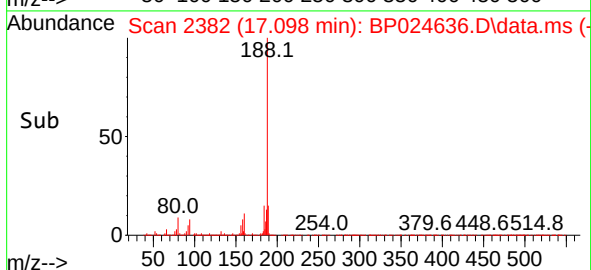
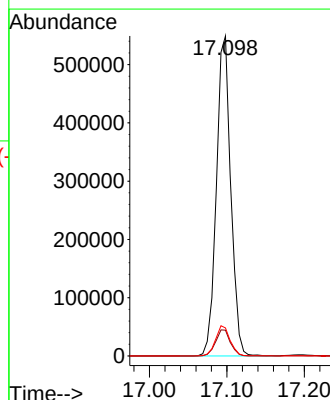
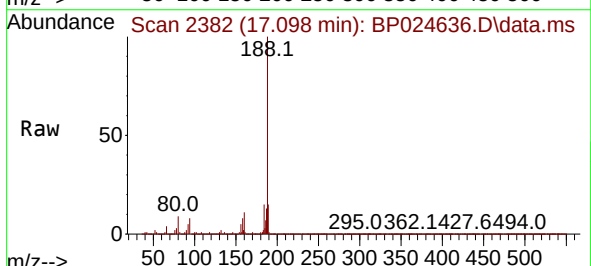
Tgt Ion:188 Resp: 706031

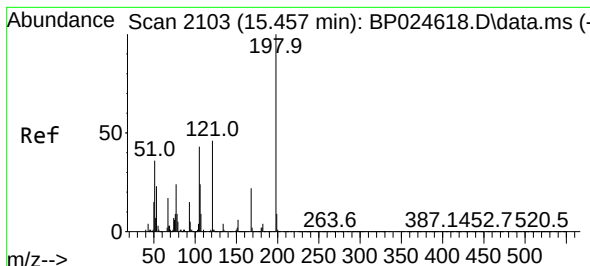
Ion Ratio Lower Upper

188 100

94 8.1 6.5 9.7

80 8.7 7.3 10.9

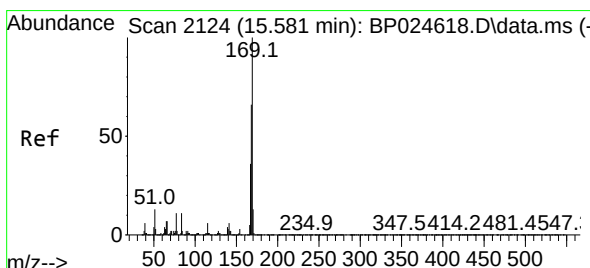
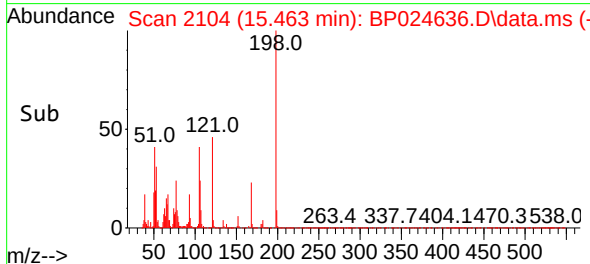
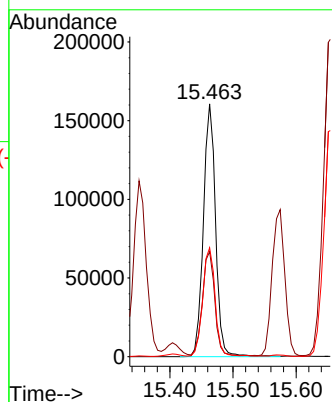
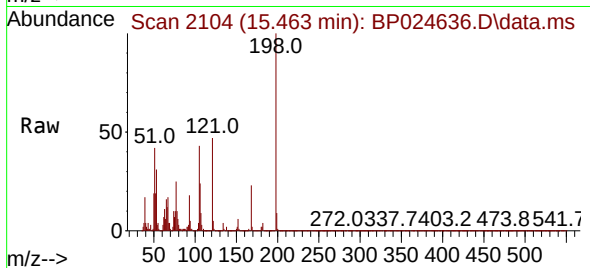




#65
4,6-Dinitro-2-methylphenol
Concen: 47.398 ng
RT: 15.463 min Scan# 2104
Delta R.T. 0.006 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

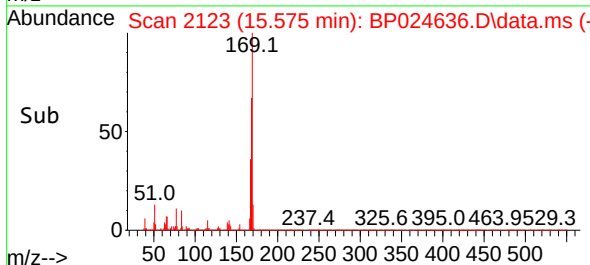
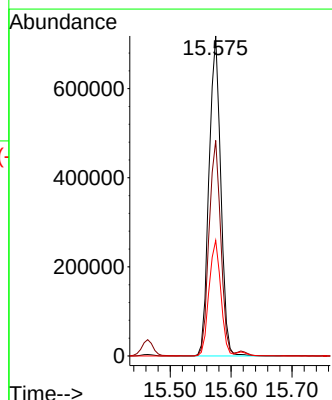
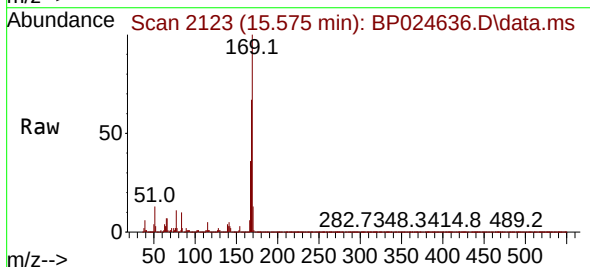
Instrument :
BNA_P
ClientSampleId :
PB167973BS

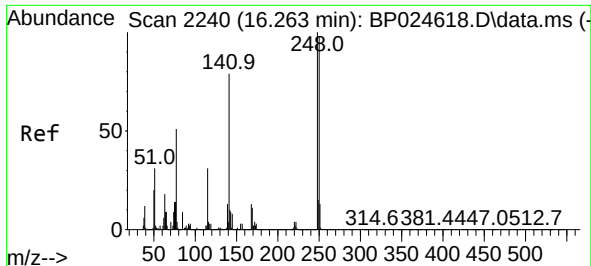
Tgt Ion:198 Resp: 216160
Ion Ratio Lower Upper
198 100
51 41.6 21.1 61.1
105 43.1 23.6 63.6



#66
n-Nitrosodiphenylamine
Concen: 44.353 ng
RT: 15.575 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

Tgt Ion:169 Resp: 961865
Ion Ratio Lower Upper
169 100
168 67.3 53.2 79.8
167 36.1 28.6 43.0

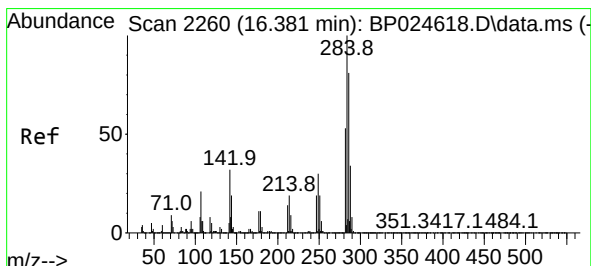
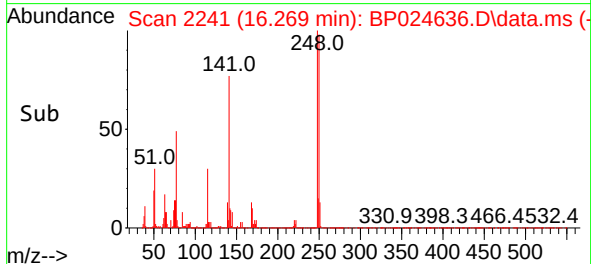
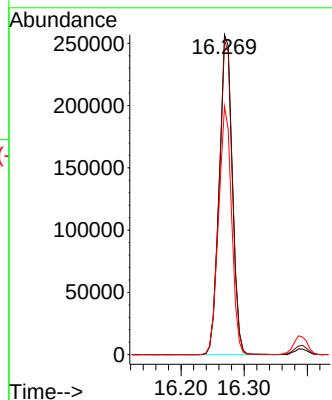
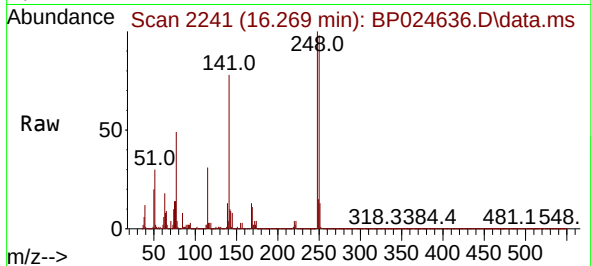




#67
4-Bromophenyl-phenylether
Concen: 44.731 ng
RT: 16.269 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

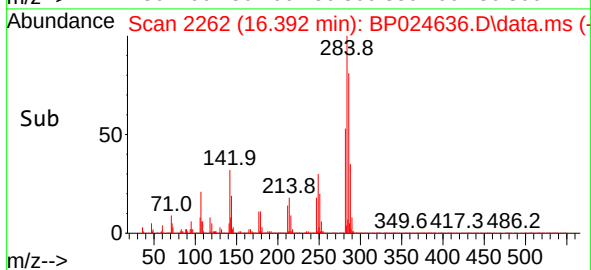
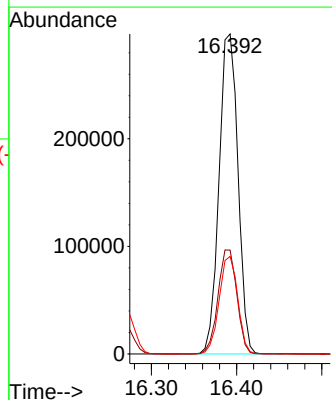
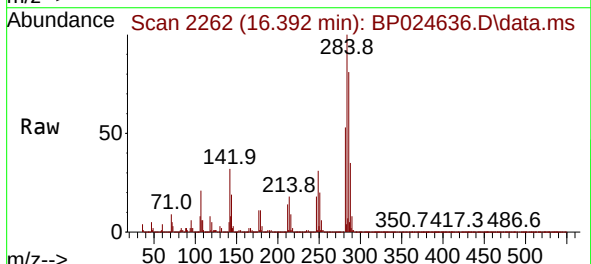
Instrument :
BNA_P
ClientSampleId :
PB167973BS

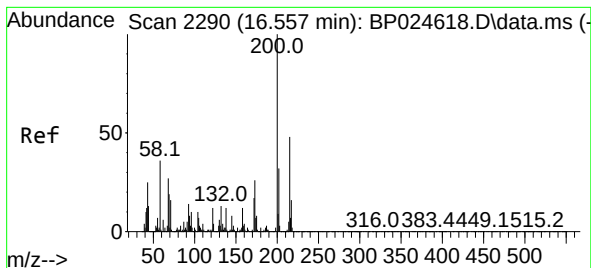
Tgt Ion:248 Resp: 372135
Ion Ratio Lower Upper
248 100
250 98.4 78.2 117.4
141 77.6 63.0 94.6



#68
Hexachlorobenzene
Concen: 43.353 ng
RT: 16.392 min Scan# 2262
Delta R.T. 0.012 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

Tgt Ion:284 Resp: 458305
Ion Ratio Lower Upper
284 100
142 32.5 25.9 38.9
249 30.5 24.1 36.1





#69

Atrazine

Concen: 46.419 ng

RT: 16.563 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP024636.D

Acq: 15 May 2025 13:53

Instrument :

BNA_P

ClientSampleId :

PB167973BS

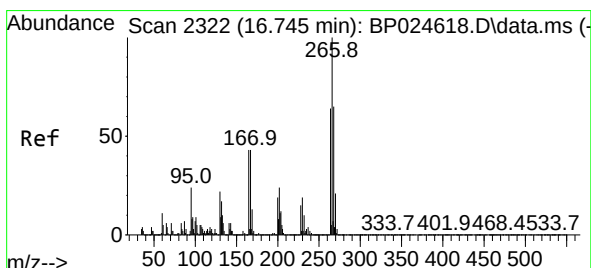
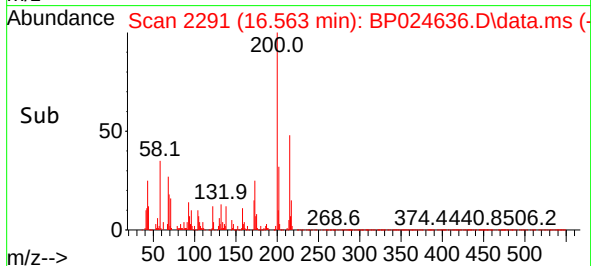
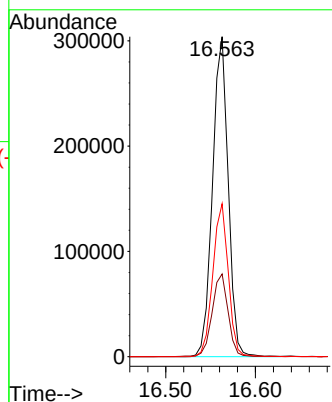
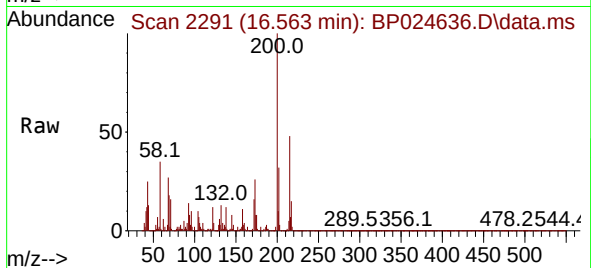
Tgt Ion:200 Resp: 368913

Ion Ratio Lower Upper

200 100

173 25.9 5.9 45.9

215 47.8 28.3 68.3



#70

Pentachlorophenol

Concen: 105.335 ng

RT: 16.745 min Scan# 2322

Delta R.T. -0.000 min

Lab File: BP024636.D

Acq: 15 May 2025 13:53

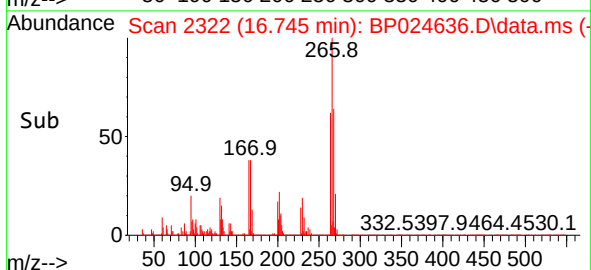
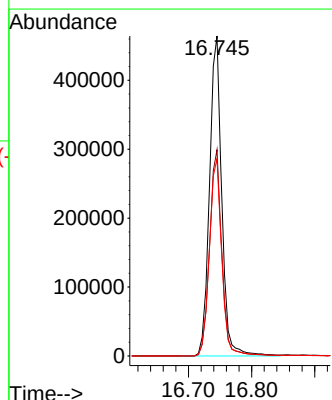
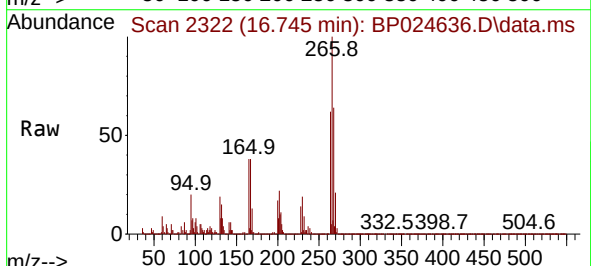
Tgt Ion:266 Resp: 625082

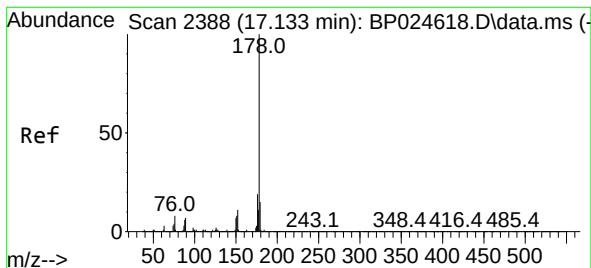
Ion Ratio Lower Upper

266 100

268 64.5 52.2 78.4

264 61.7 51.1 76.7

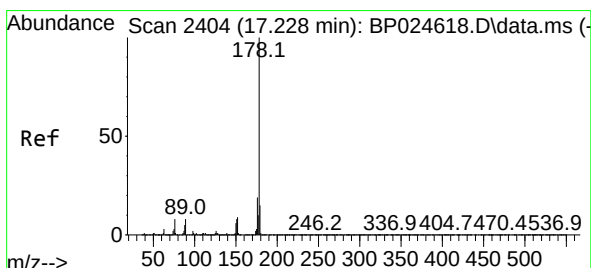
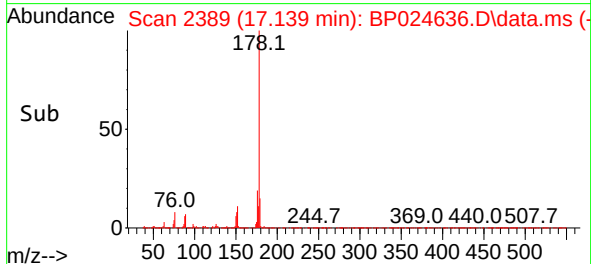
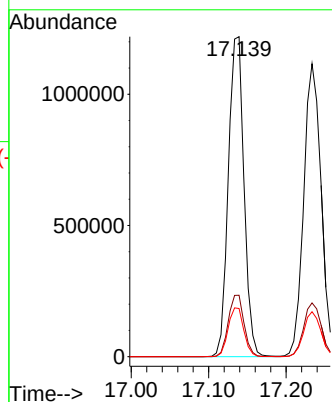
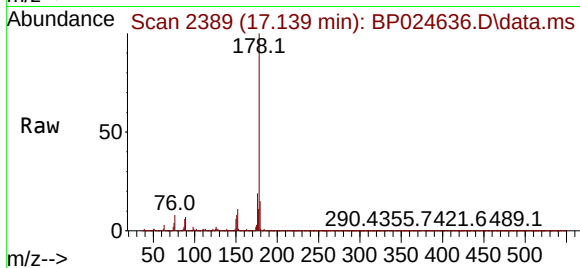




#71
Phenanthrene
Concen: 43.832 ng
RT: 17.139 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

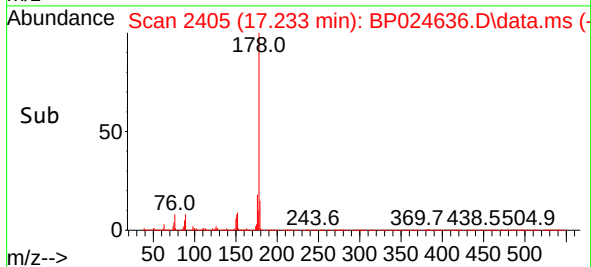
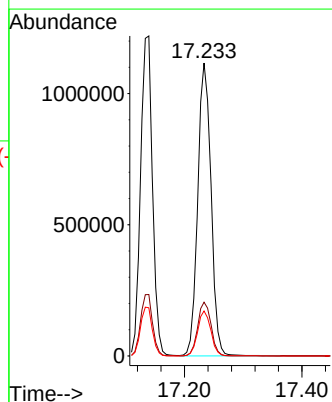
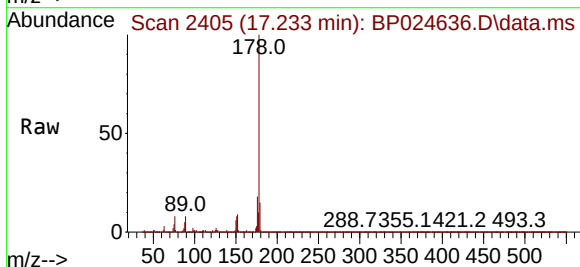
Instrument :
BNA_P
ClientSampleId :
PB167973BS

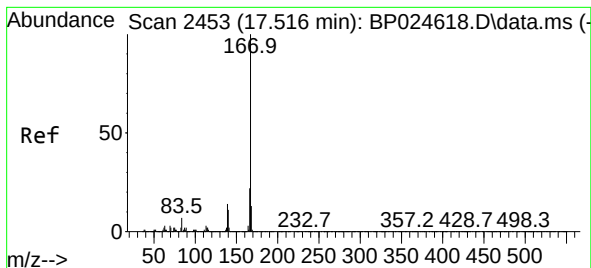
Tgt Ion:178 Resp: 1720387
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 15.1 12.2 18.4



#72
Anthracene
Concen: 44.246 ng
RT: 17.233 min Scan# 2405
Delta R.T. 0.006 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

Tgt Ion:178 Resp: 1747224
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.4
179 15.3 12.2 18.2





#73

Carbazole

Concen: 45.249 ng

RT: 17.516 min Scan# 2453

Delta R.T. -0.000 min

Lab File: BP024636.D

Acq: 15 May 2025 13:53

Instrument :

BNA_P

ClientSampleId :

PB167973BS

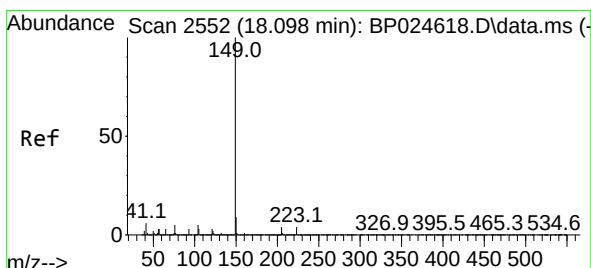
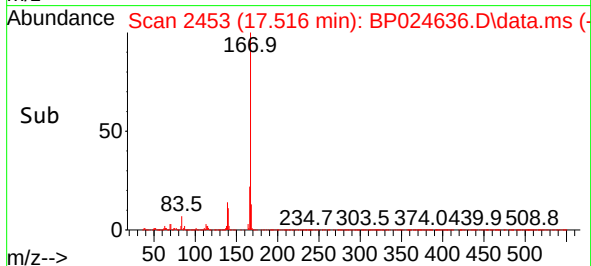
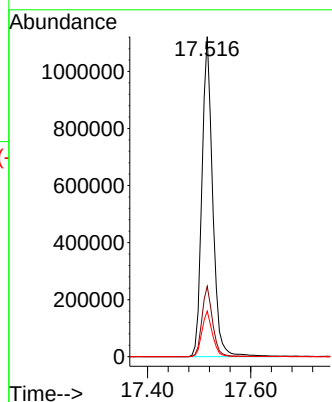
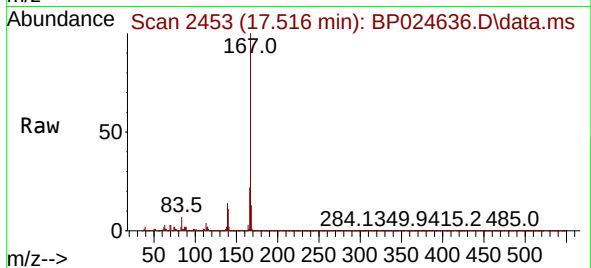
Tgt Ion:167 Resp: 1617275

Ion Ratio Lower Upper

167 100

166 22.0 17.7 26.5

139 14.3 11.3 16.9



#74

Di-n-butylphthalate

Concen: 46.164 ng

RT: 18.110 min Scan# 2554

Delta R.T. 0.012 min

Lab File: BP024636.D

Acq: 15 May 2025 13:53

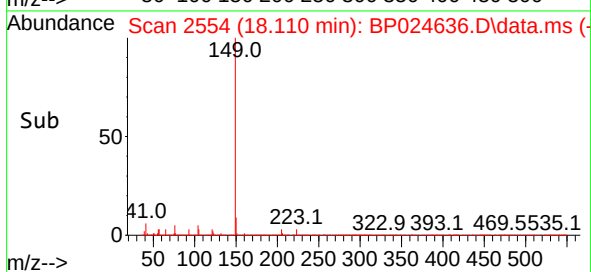
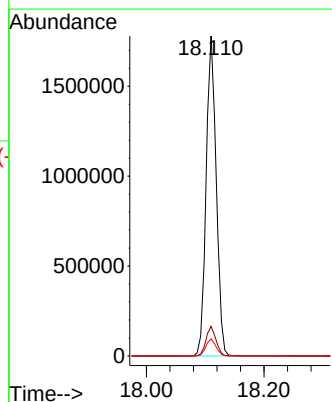
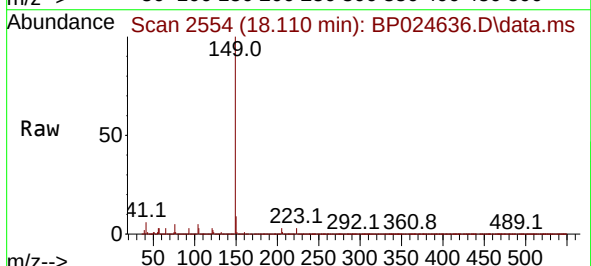
Tgt Ion:149 Resp: 2121998

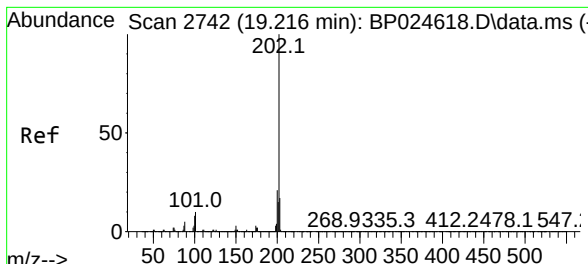
Ion Ratio Lower Upper

149 100

150 9.2 7.2 10.8

104 5.3 4.3 6.5

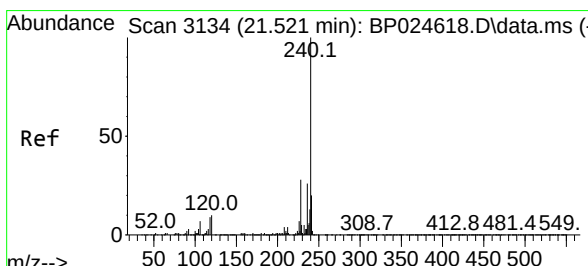
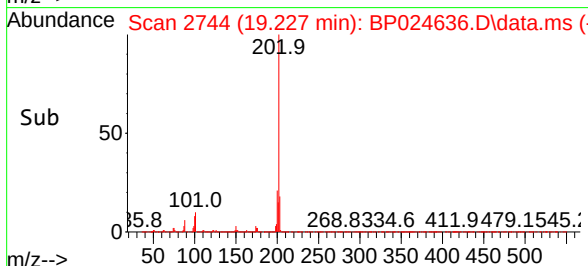
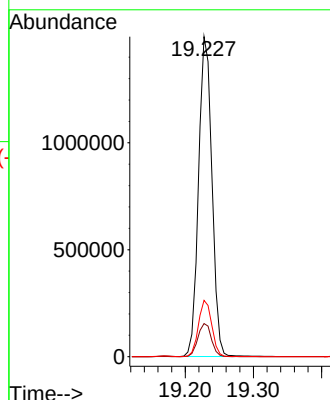
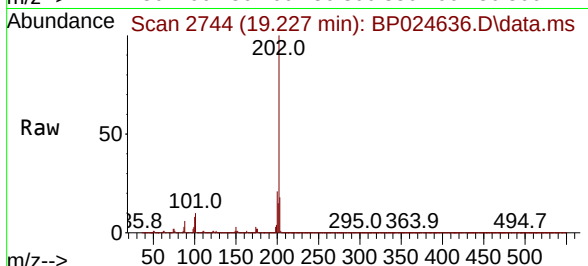




#75
Fluoranthene
Concen: 44.480 ng
RT: 19.227 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

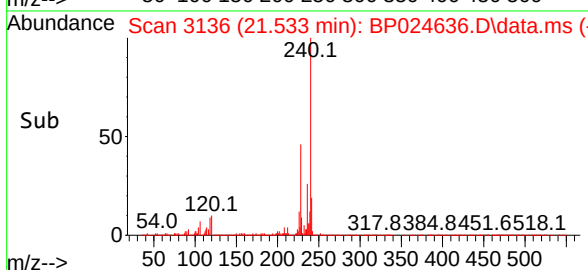
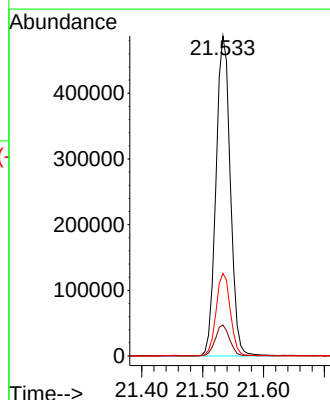
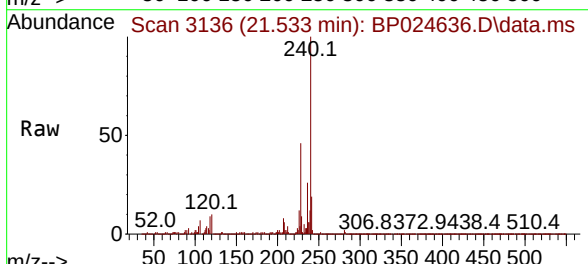
Instrument :
BNA_P
ClientSampleId :
PB167973BS

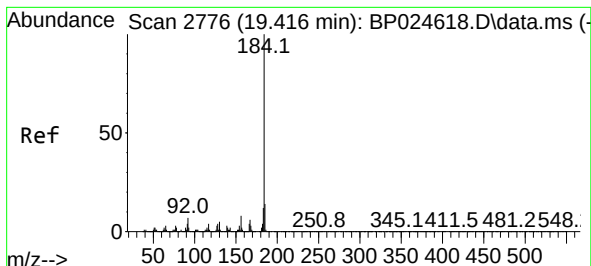
Tgt Ion:202 Resp: 2040733
Ion Ratio Lower Upper
202 100
101 10.4 0.0 30.3
203 17.6 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.533 min Scan# 3136
Delta R.T. 0.012 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

Tgt Ion:240 Resp: 796554
Ion Ratio Lower Upper
240 100
120 9.7 7.8 11.6
236 25.8 20.6 31.0





#77

Benzidine

Concen: 45.847 ng

RT: 19.427 min Scan# 21

Delta R.T. 0.011 min

Lab File: BP024636.D

Acq: 15 May 2025 13:53

Instrument :

BNA_P

ClientSampleId :

PB167973BS

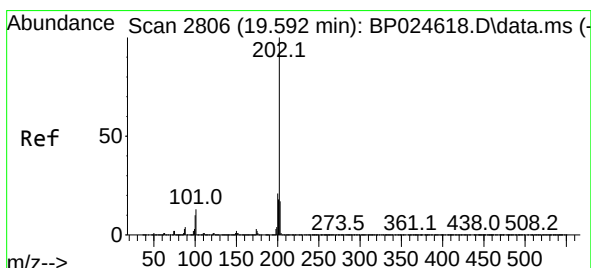
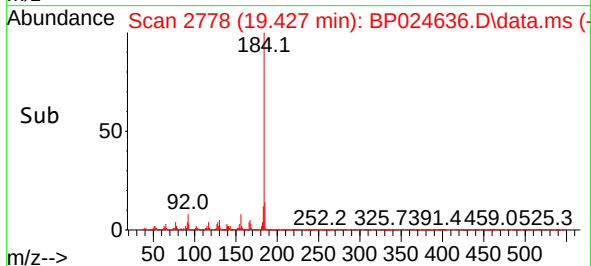
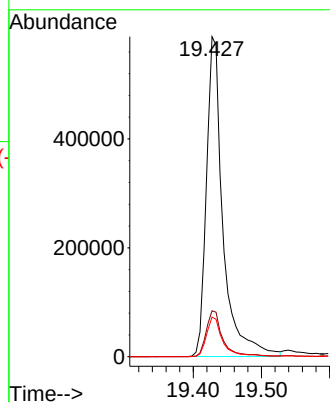
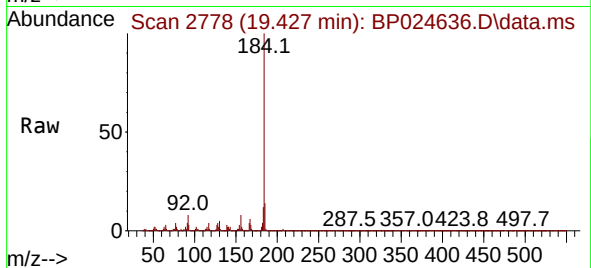
Tgt Ion:184 Resp: 994653

Ion Ratio Lower Upper

184 100

185 14.3 11.2 16.8

183 12.3 9.8 14.8



#78

Pyrene

Concen: 44.580 ng

RT: 19.604 min Scan# 2808

Delta R.T. 0.012 min

Lab File: BP024636.D

Acq: 15 May 2025 13:53

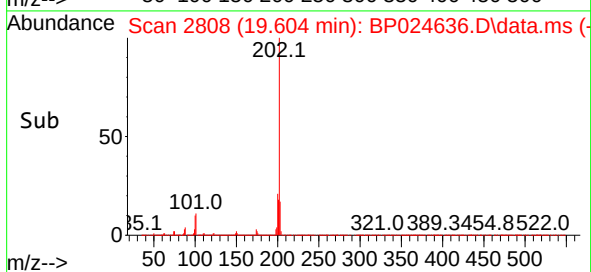
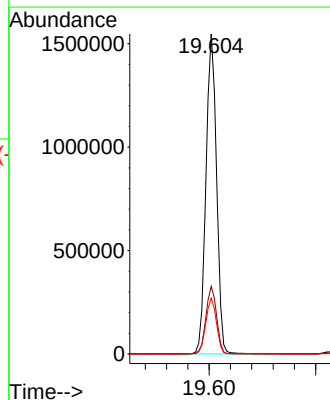
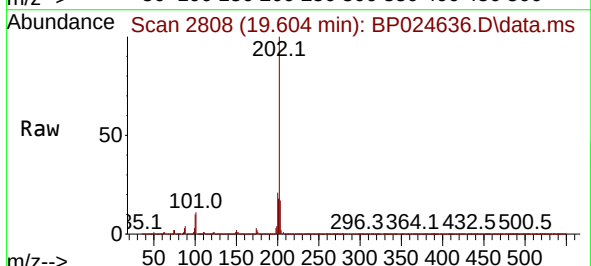
Tgt Ion:202 Resp: 2127702

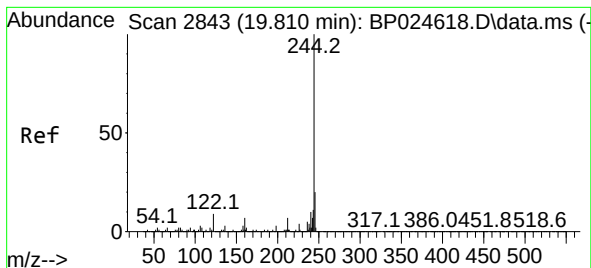
Ion Ratio Lower Upper

202 100

200 21.1 16.9 25.3

203 17.4 13.9 20.9





#79

Terphenyl-d14

Concen: 75.970 ng

RT: 19.827 min Scan# 21

Delta R.T. 0.018 min

Lab File: BP024636.D

Acq: 15 May 2025 13:53

Instrument :

BNA_P

ClientSampleId :

PB167973BS

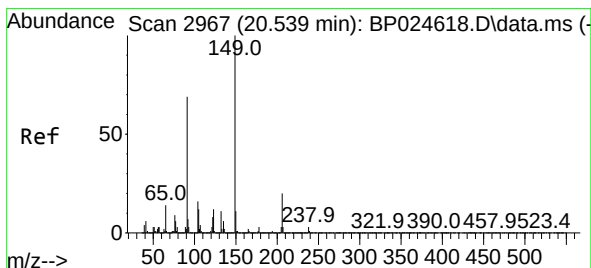
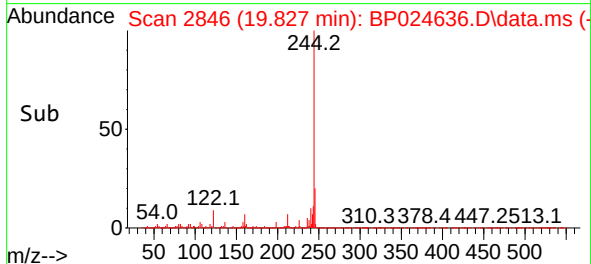
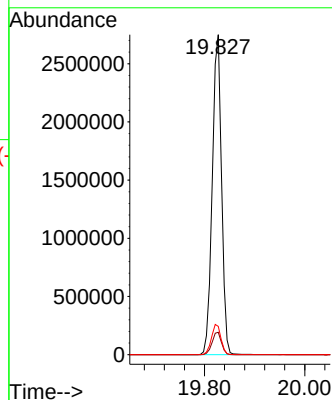
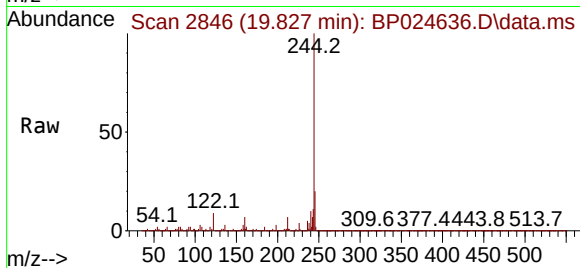
Tgt Ion:244 Resp: 3529175

Ion Ratio Lower Upper

244 100

212 7.0 5.5 8.3

122 8.8 7.4 11.0



#80

Butylbenzylphthalate

Concen: 47.709 ng

RT: 20.563 min Scan# 2971

Delta R.T. 0.023 min

Lab File: BP024636.D

Acq: 15 May 2025 13:53

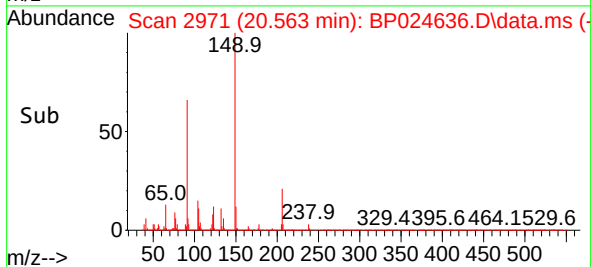
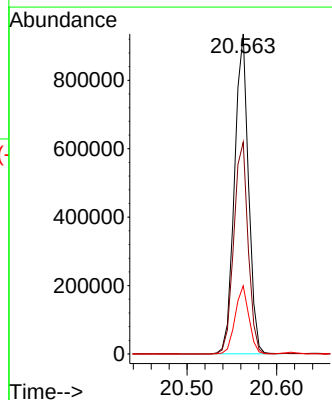
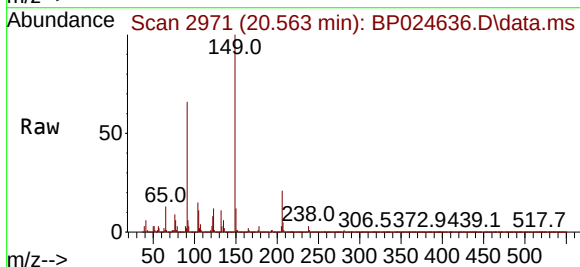
Tgt Ion:149 Resp: 1012695

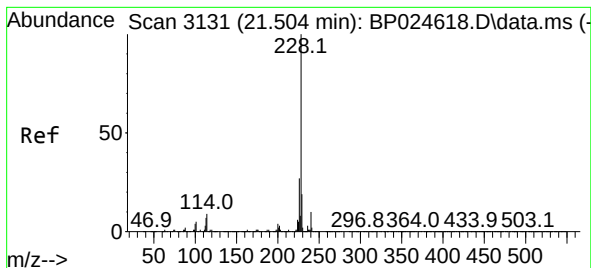
Ion Ratio Lower Upper

149 100

91 66.2 55.4 83.0

206 21.3 16.2 24.2





#81

Benzo(a)anthracene

Concen: 44.614 ng

RT: 21.516 min Scan# 31

Delta R.T. 0.012 min

Lab File: BP024636.D

Acq: 15 May 2025 13:53

Instrument :

BNA_P

ClientSampleId :

PB167973BS

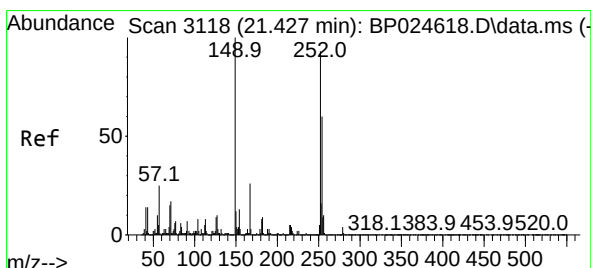
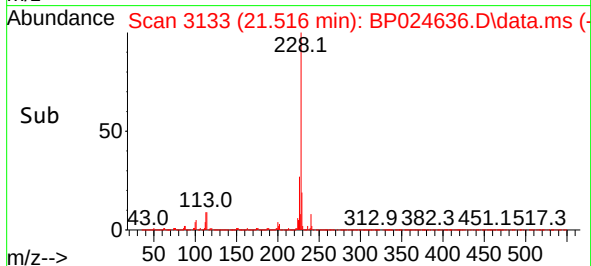
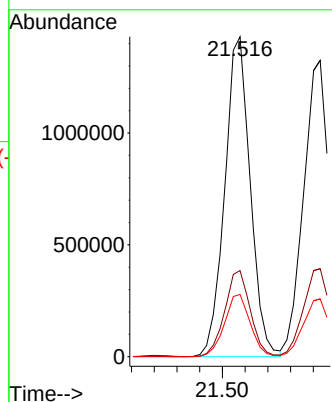
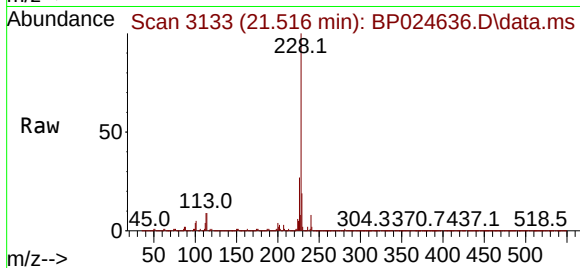
Tgt Ion:228 Resp: 2231437

Ion Ratio Lower Upper

228 100

226 26.9 21.4 32.0

229 19.5 15.5 23.3



#82

3,3'-Dichlorobenzidine

Concen: 30.082 ng

RT: 21.439 min Scan# 3120

Delta R.T. 0.012 min

Lab File: BP024636.D

Acq: 15 May 2025 13:53

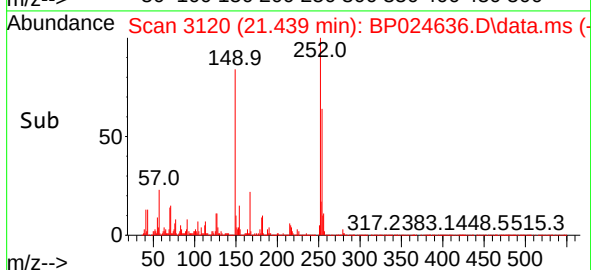
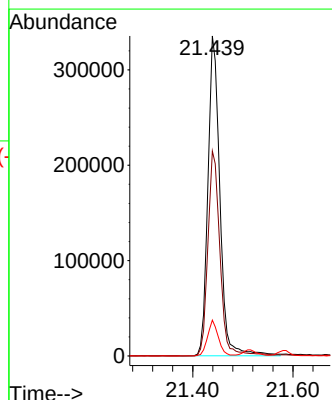
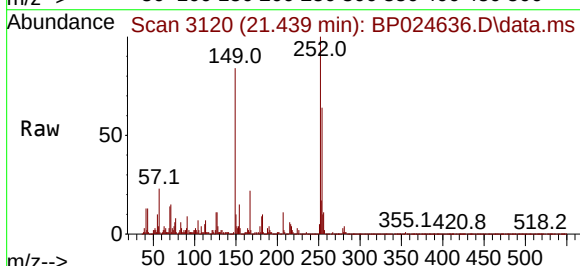
Tgt Ion:252 Resp: 558851

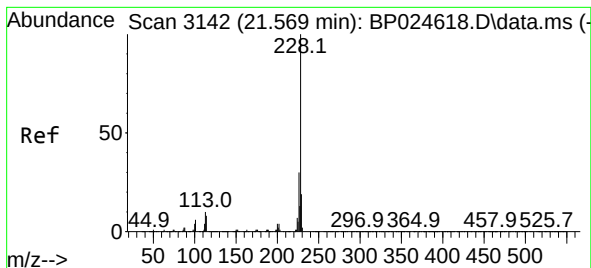
Ion Ratio Lower Upper

252 100

254 64.1 51.8 77.6

126 11.2 7.7 11.5





#83

Chrysene

Concen: 43.804 ng

RT: 21.586 min Scan# 3145

Delta R.T. 0.018 min

Lab File: BP024636.D

Acq: 15 May 2025 13:53

Instrument :

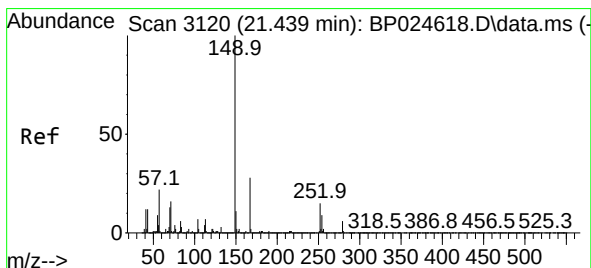
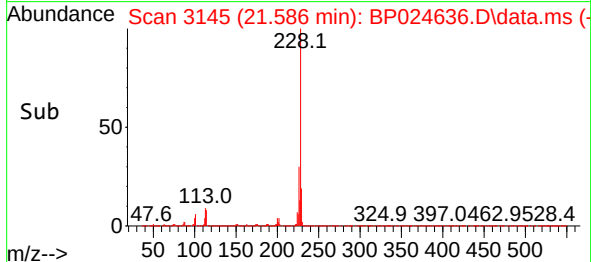
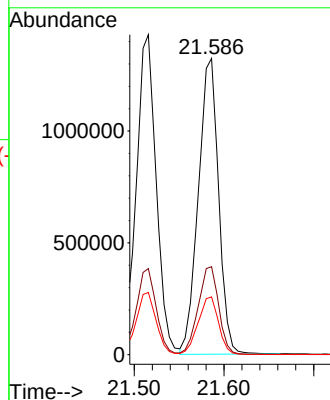
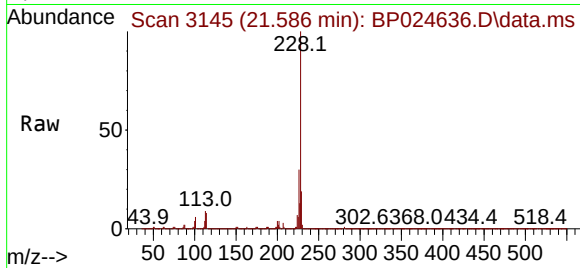
BNA_P

ClientSampleId :

PB167973BS

Tgt Ion:228 Resp: 2076892

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.9	35.9
229	19.5	15.5	23.3



#84

Bis(2-ethylhexyl)phthalate

Concen: 46.960 ng

RT: 21.457 min Scan# 3123

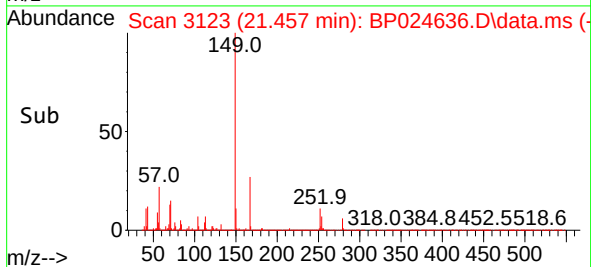
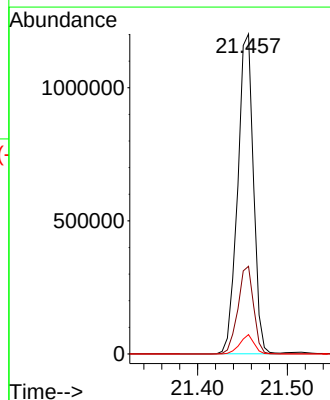
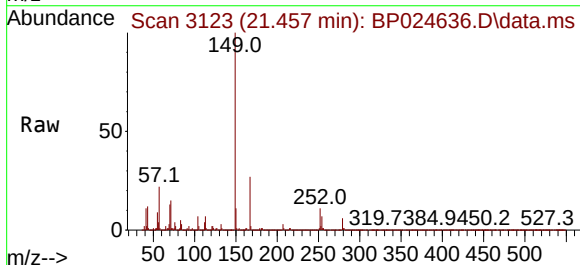
Delta R.T. 0.018 min

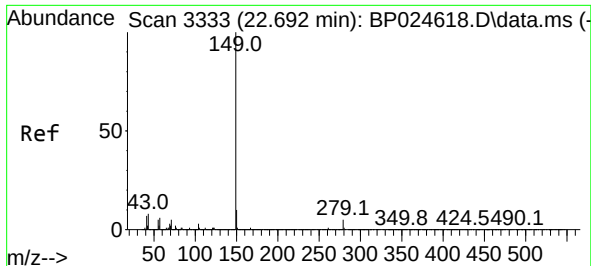
Lab File: BP024636.D

Acq: 15 May 2025 13:53

Tgt Ion:149 Resp: 1465106

Ion	Ratio	Lower	Upper
149	100		
167	27.4	22.1	33.1
279	6.0	4.6	6.8

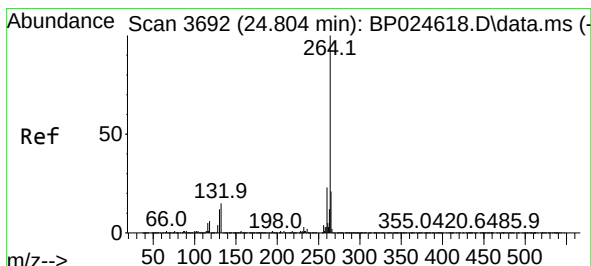
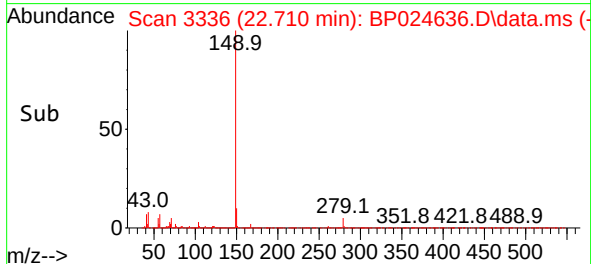
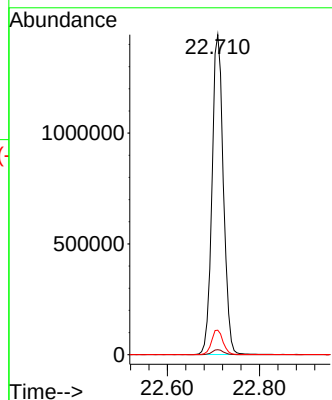
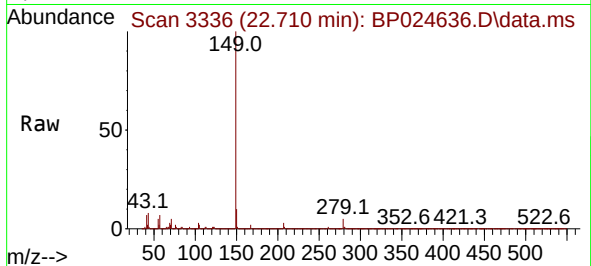




#85
Di-n-octyl phthalate
Concen: 48.391 ng
RT: 22.710 min Scan# 31
Delta R.T. 0.018 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

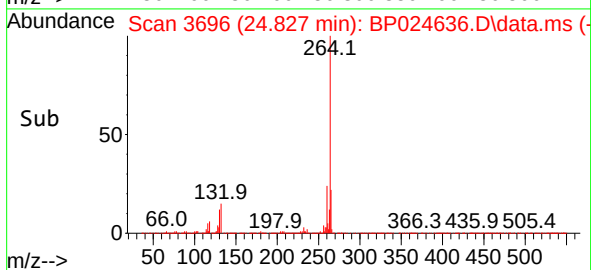
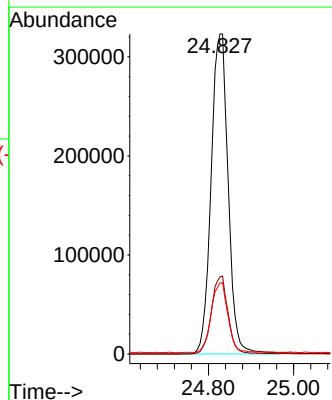
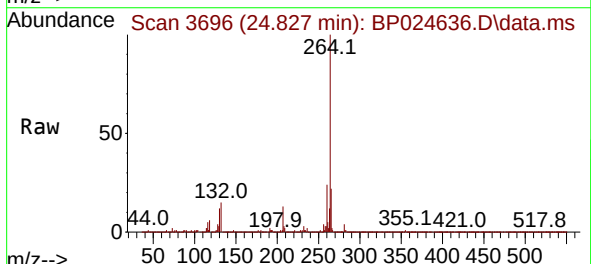
Instrument :
BNA_P
ClientSampleId :
PB167973BS

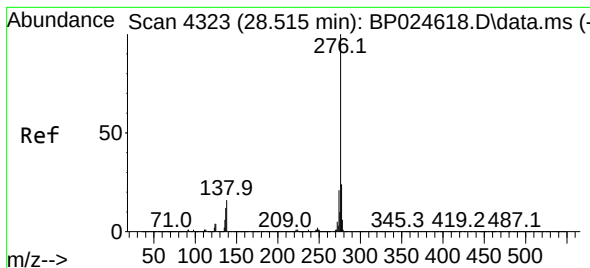
Tgt Ion:149 Resp: 2468875
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 7.8 6.3 9.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.827 min Scan# 3696
Delta R.T. 0.023 min
Lab File: BP024636.D
Acq: 15 May 2025 13:53

Tgt Ion:264 Resp: 897451
Ion Ratio Lower Upper
264 100
260 24.1 18.7 28.1
265 22.2 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 38.346 ng

RT: 28.550 min Scan# 41

Delta R.T. 0.035 min

Lab File: BP024636.D

Acq: 15 May 2025 13:53

Instrument :

BNA_P

ClientSampleId :

PB167973BS

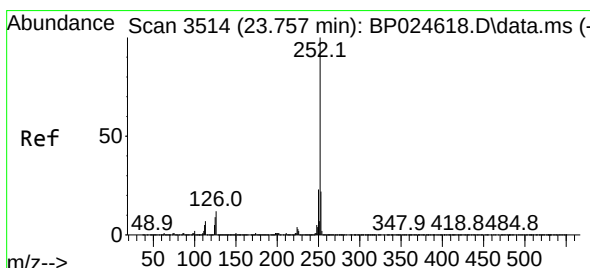
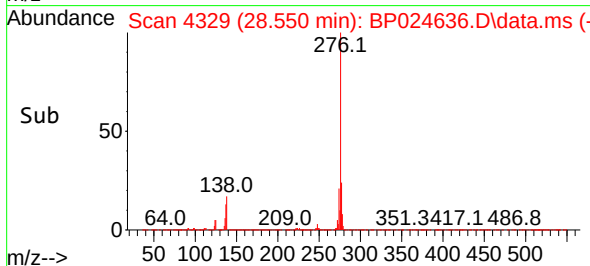
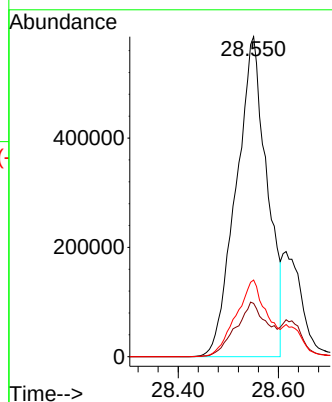
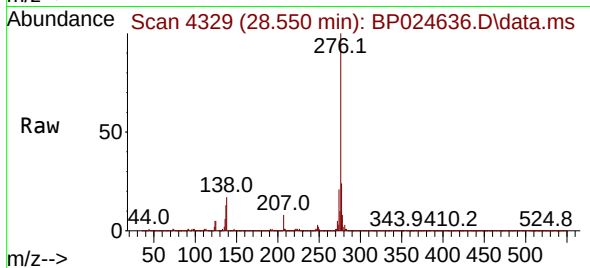
Tgt Ion:276 Resp: 2512385

Ion Ratio Lower Upper

276 100

138 17.6 11.2 16.8#

277 24.4 15.7 23.5#



#88

Benzo(b)fluoranthene

Concen: 45.511 ng

RT: 23.786 min Scan# 3519

Delta R.T. 0.029 min

Lab File: BP024636.D

Acq: 15 May 2025 13:53

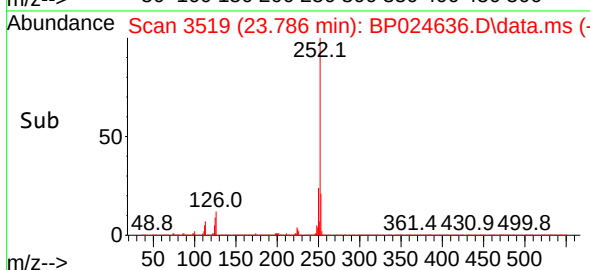
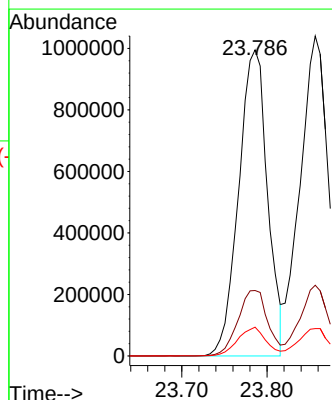
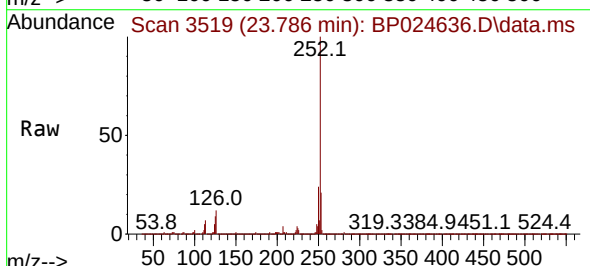
Tgt Ion:252 Resp: 2337855

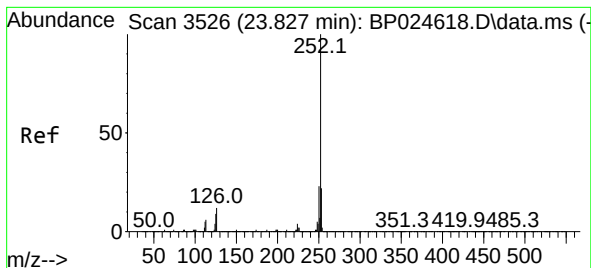
Ion Ratio Lower Upper

252 100

253 21.4 17.7 26.5

125 9.4 7.5 11.3





#89

Benzo(k)fluoranthene

Concen: 46.086 ng

RT: 23.857 min Scan# 3

Delta R.T. 0.029 min

Lab File: BP024636.D

Acq: 15 May 2025 13:53

Instrument :

BNA_P

ClientSampleId :

PB167973BS

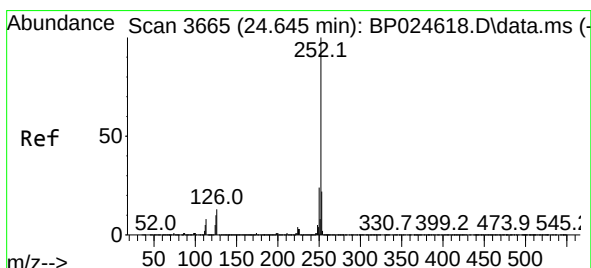
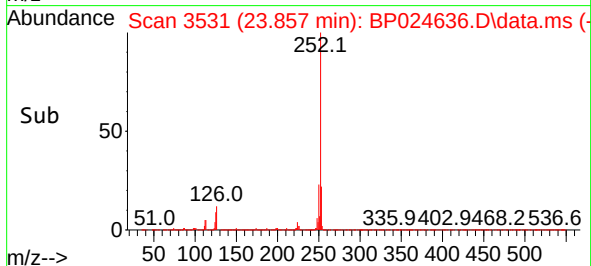
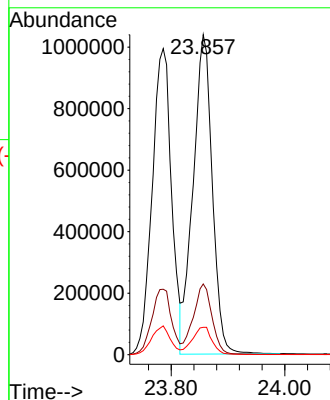
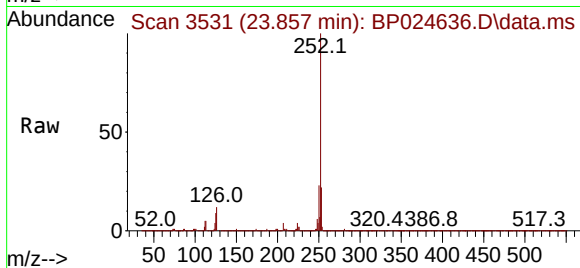
Tgt Ion:252 Resp: 2439419

Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

125 8.5 7.0 10.4



#90

Benzo(a)pyrene

Concen: 46.597 ng

RT: 24.674 min Scan# 3670

Delta R.T. 0.029 min

Lab File: BP024636.D

Acq: 15 May 2025 13:53

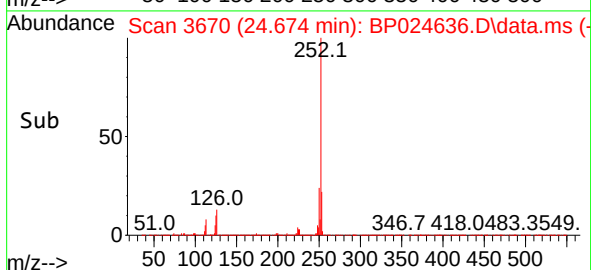
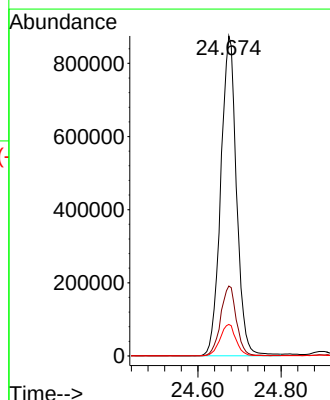
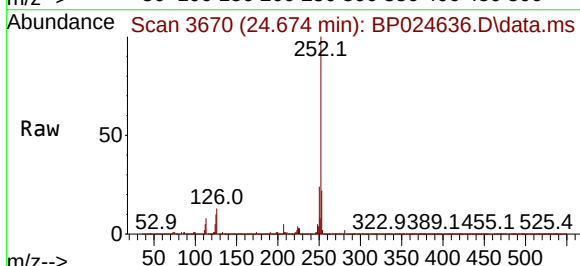
Tgt Ion:252 Resp: 2298890

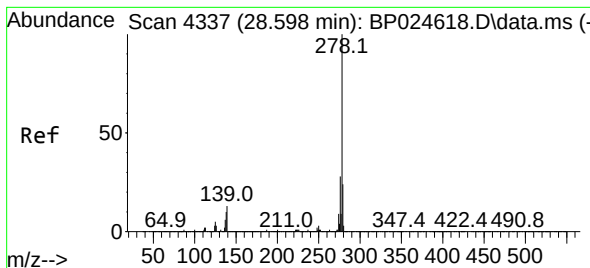
Ion Ratio Lower Upper

252 100

253 21.9 17.7 26.5

125 9.9 8.1 12.1





#91

Dibenzo(a,h)anthracene

Concen: 47.273 ng

RT: 28.627 min Scan# 41

Delta R.T. 0.029 min

Lab File: BP024636.D

Acq: 15 May 2025 13:53

Instrument :

BNA_P

ClientSampleId :

PB167973BS

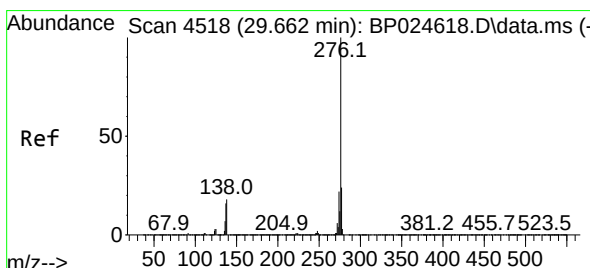
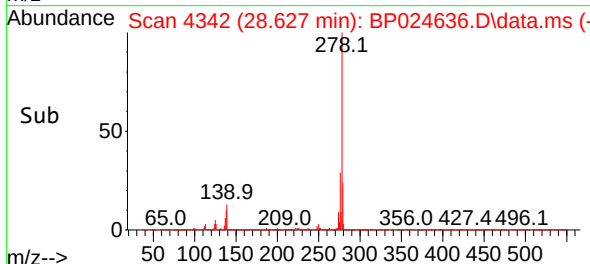
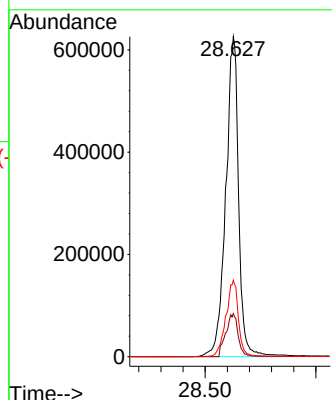
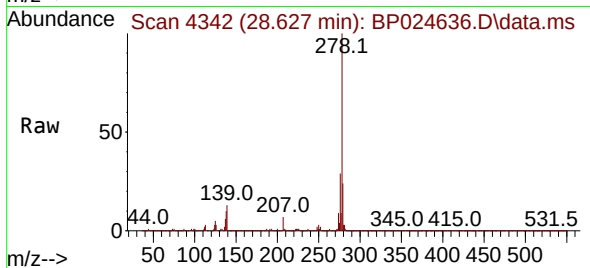
Tgt Ion:278 Resp: 2519774

Ion Ratio Lower Upper

278 100

139 13.5 10.2 15.4

279 23.9 19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 47.150 ng

RT: 29.715 min Scan# 4527

Delta R.T. 0.053 min

Lab File: BP024636.D

Acq: 15 May 2025 13:53

Tgt Ion:276 Resp: 2499215

Ion Ratio Lower Upper

276 100

277 23.3 19.0 28.4

138 17.4 14.4 21.6

