

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061825\
 Data File : BP024989.D
 Acq On : 18 Jun 2025 11:17
 Operator : RC/JU
 Sample : PB168509BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PB168509BS

Quant Time: Jun 18 11:50:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 06 16:20:27 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	309420	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	1193314	20.000	ng	0.00
39) Acenaphthene-d10	14.254	164	709072	20.000	ng	0.00
64) Phenanthrene-d10	17.066	188	1338627	20.000	ng	0.00
76) Chrysene-d12	21.495	240	1331587	20.000	ng	0.01
86) Perylene-d12	24.777	264	1579124	20.000	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.243	112	2704169	145.879	ng	0.00
7) Phenol-d6	6.819	99	3345661	136.411	ng	0.00
23) Nitrobenzene-d5	8.766	82	2080312	84.713	ng	0.00
42) 2,4,6-Tribromophenol	15.790	330	1389795	141.768	ng	0.00
45) 2-Fluorobiphenyl	12.866	172	4501012	85.512	ng	0.00
79) Terphenyl-d14	19.789	244	6601913	88.858	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.167	88	308068	37.770	ng	99
3) Pyridine	3.561	79	805939	41.087	ng	100
4) n-Nitrosodimethylamine	3.478	42	361871	45.125	ng	97
6) Aniline	6.949	93	973946	31.117	ng	100
8) 2-Chlorophenol	7.190	128	1027438	48.893	ng	99
9) Benzaldehyde	6.766	77	682049	48.246	ng	99
10) Phenol	6.843	94	1213888	48.010	ng	99
11) bis(2-Chloroethyl)ether	7.043	93	940203	47.279	ng	98
12) 1,3-Dichlorobenzene	7.496	146	1072780	45.762	ng	99
13) 1,4-Dichlorobenzene	7.643	146	1082870	45.780	ng	99
14) 1,2-Dichlorobenzene	7.955	146	1052099	45.296	ng	100
15) Benzyl Alcohol	7.861	79	864354	45.919	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.131	45	1206921	46.369	ng	99
17) 2-Methylphenol	8.072	107	824188	46.680	ng	98
18) Hexachloroethane	8.660	117	414158	46.506	ng	97
19) n-Nitroso-di-n-propyla...	8.413	70	707817	42.452	ng	100
20) 3+4-Methylphenols	8.402	107	1093103	45.378	ng	98
22) Acetophenone	8.431	105	1422096	47.168	ng	# 99
24) Nitrobenzene	8.808	77	1046154	47.953	ng	99
25) Isophorone	9.325	82	1952701	45.881	ng	99
26) 2-Nitrophenol	9.508	139	544012	50.539	ng	98
27) 2,4-Dimethylphenol	9.584	122	898232	48.757	ng	98
28) bis(2-Chloroethoxy)met...	9.802	93	1207815	47.574	ng	99
29) 2,4-Dichlorophenol	10.066	162	906305	51.272	ng	98
30) 1,2,4-Trichlorobenzene	10.243	180	937229	47.009	ng	99
31) Naphthalene	10.425	128	2861158	46.787	ng	99
32) Benzoic acid	9.796	122	663726m	53.315	ng	
33) 4-Chloroaniline	10.560	127	693245	27.058	ng	99
34) Hexachlorobutadiene	10.702	225	575351	47.881	ng	99
35) Caprolactam	11.366	113	307041	47.188	ng	98
36) 4-Chloro-3-methylphenol	11.713	107	989405	48.528	ng	99
37) 2-Methylnaphthalene	12.049	142	1801384	46.439	ng	100
38) 1-Methylnaphthalene	12.272	142	1904088	45.913	ng	99
40) 1,2,4,5-Tetrachloroben...	12.425	216	1005861	49.992	ng	99
41) Hexachlorocyclopentadiene	12.396	237	1126578	91.800	ng	99
43) 2,4,6-Trichlorophenol	12.690	196	699672	51.781	ng	99

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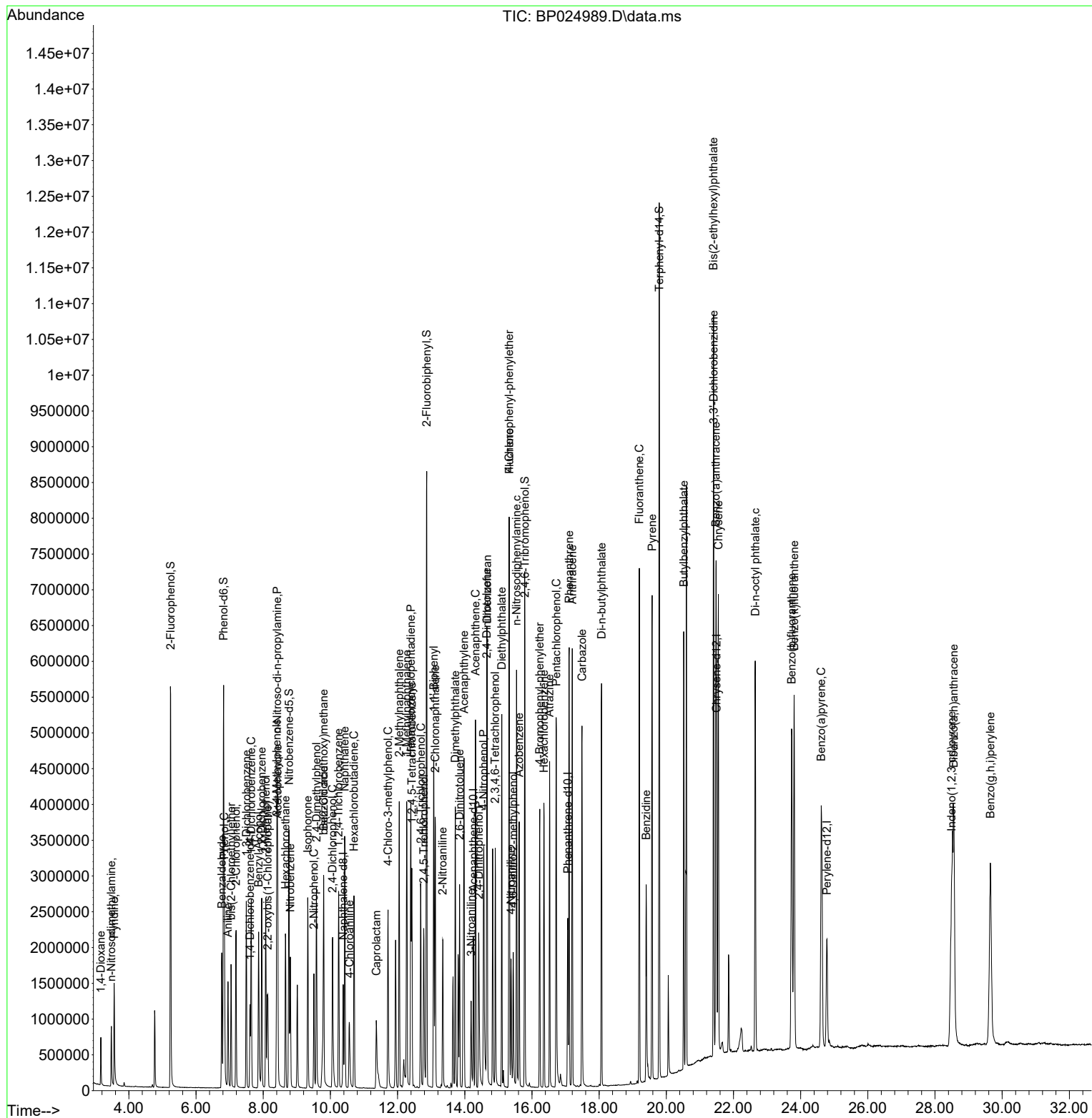
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44) 2,4,5-Trichlorophenol	12.778	196	764616	52.839	ng	99
46) 1,1'-Biphenyl	13.078	154	2524113	48.983	ng	100
47) 2-Chloronaphthalene	13.119	162	1944096	49.087	ng	100
48) 2-Nitroaniline	13.343	65	632337	51.933	ng	99
49) Acenaphthylene	13.978	152	3232731	48.954	ng	100
50) Dimethylphthalate	13.719	163	2531055	48.389	ng	100
51) 2,6-Dinitrotoluene	13.843	165	564954	50.101	ng	96
52) Acenaphthene	14.319	154	1834580	48.482	ng	99
53) 3-Nitroaniline	14.190	138	363148	31.033	ng	99
54) 2,4-Dinitrophenol	14.419	184	719127	96.691	ng	94
55) Dibenzofuran	14.666	168	2877777	47.378	ng	99
56) 4-Nitrophenol	14.560	139	798417	80.552	ng	99
57) 2,4-Dinitrotoluene	14.654	165	785424	49.793	ng	96
58) Fluorene	15.325	166	2378210	48.467	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.907	232	649158	50.209	ng	99
60) Diethylphthalate	15.101	149	2542199	48.767	ng	99
61) 4-Chlorophenyl-phenyle...	15.319	204	1164492	48.537	ng	97
62) 4-Nitroaniline	15.378	138	535159	50.437	ng	93
63) Azobenzene	15.619	77	2370428	49.580	ng	98
65) 4,6-Dinitro-2-methylph...	15.442	198	452862	51.485	ng	94
66) n-Nitrosodiphenylamine	15.542	169	2074398	49.996	ng	100
67) 4-Bromophenyl-phenylether	16.231	248	759046	50.254	ng	98
68) Hexachlorobenzene	16.360	284	887262	48.456	ng	98
69) Atrazine	16.525	200	763110	50.734	ng	100
70) Pentachlorophenol	16.725	266	1083016	114.283	ng	98
71) Phenanthrene	17.107	178	3545911	47.934	ng	100
72) Anthracene	17.201	178	3662891	48.891	ng	99
73) Carbazole	17.489	167	3452964	49.724	ng	100
74) Di-n-butylphthalate	18.072	149	4352822	50.592	ng	99
75) Fluoranthene	19.195	202	4094838	47.759	ng	99
77) Benzidine	19.401	184	1983301	48.090	ng	99
78) Pyrene	19.578	202	4198037	50.463	ng	100
80) Butylbenzylphthalate	20.519	149	2039190	53.514	ng	98
81) Benzo(a)anthracene	21.477	228	4248221	49.882	ng	100
82) 3,3'-Dichlorobenzidine	21.413	252	1156750	34.212	ng	99
83) Chrysene	21.548	228	4021634	49.836	ng	99
84) Bis(2-ethylhexyl)phtha...	21.407	149	2977758	54.542	ng	100
85) Di-n-octyl phthalate	22.648	149	5200346	54.040	ng	100
87) Indeno(1,2,3-cd)pyrene	28.495	276	5592265	48.537	ng	# 77
88) Benzo(b)fluoranthene	23.730	252	4361125m	48.257	ng	
89) Benzo(k)fluoranthene	23.807	252	4588751	49.882	ng	99
90) Benzo(a)pyrene	24.613	252	4350004	49.288	ng	100
91) Dibenzo(a,h)anthracene	28.559	278	4586767	48.908	ng	99
92) Benzo(g,h,i)perylene	29.648	276	4440584	47.722	ng	98

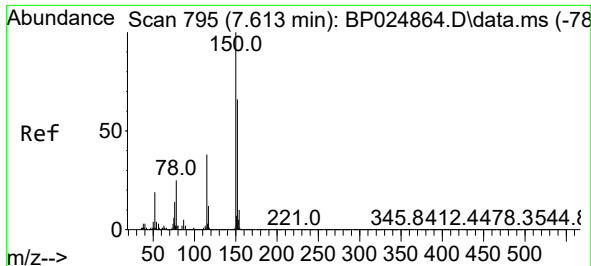
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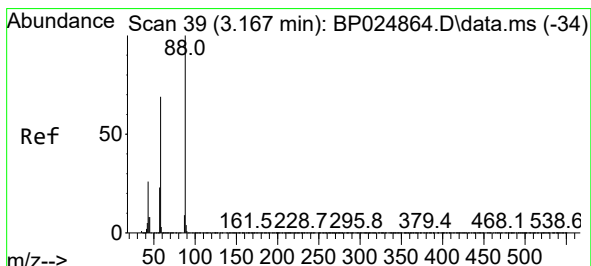
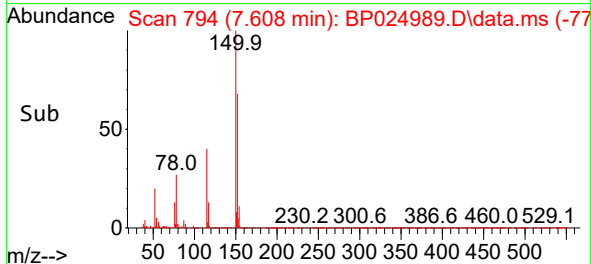
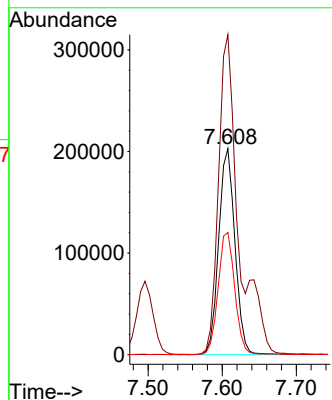
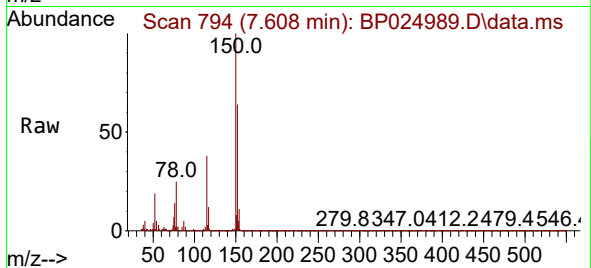




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 795
Delta R.T. -0.005 min
Lab File: BP024989.D
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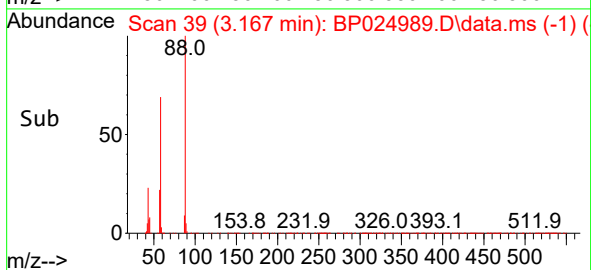
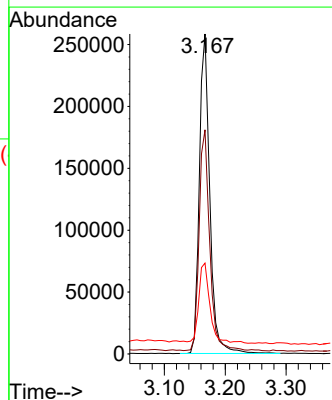
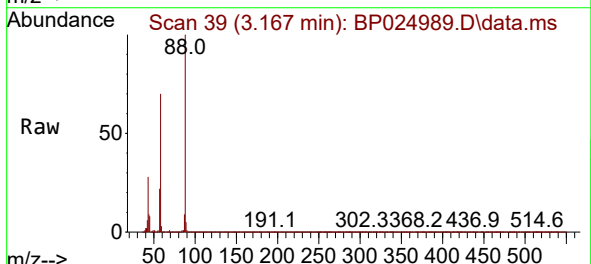
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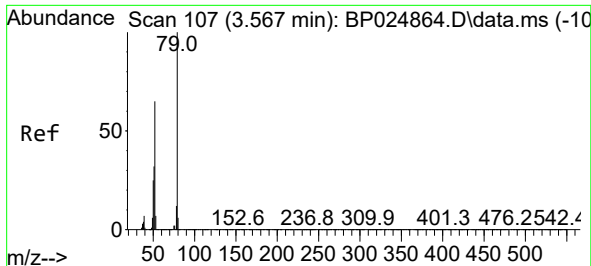
Tgt Ion:152 Resp: 309420
Ion Ratio Lower Upper
152 100
150 155.3 122.1 183.1
115 59.3 46.4 69.6



#2
1,4-Dioxane
Concen: 37.770 ng
RT: 3.167 min Scan# 39
Delta R.T. 0.000 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

Tgt Ion: 88 Resp: 308068
Ion Ratio Lower Upper
88 100
58 69.4 55.4 83.0
43 24.8 20.8 31.2

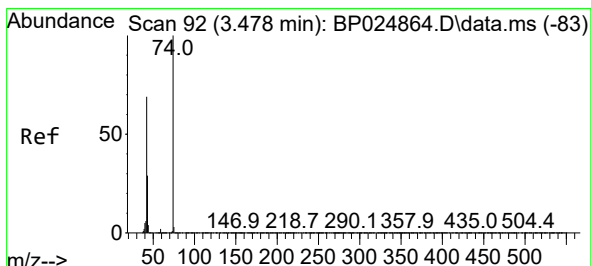
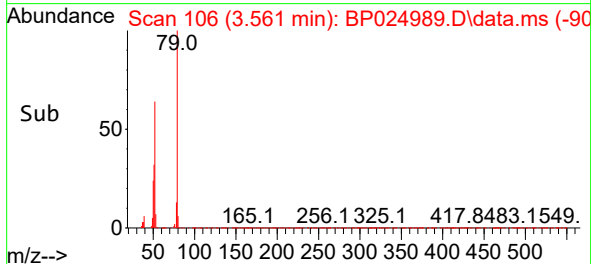
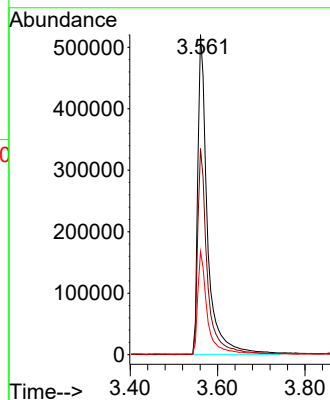
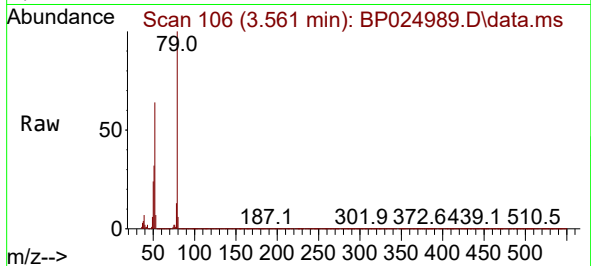




#3
Pyridine
Concen: 41.087 ng
RT: 3.561 min Scan# 107
Delta R.T. -0.006 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

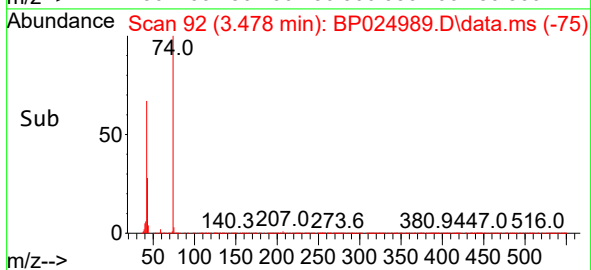
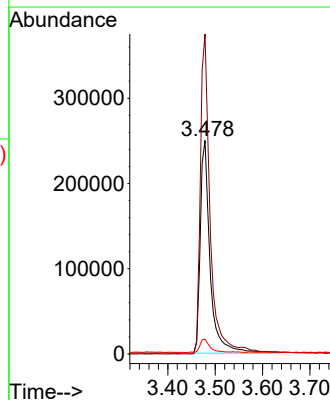
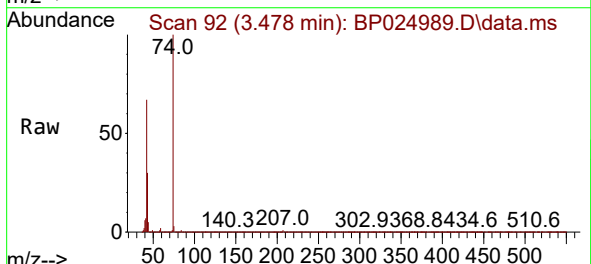
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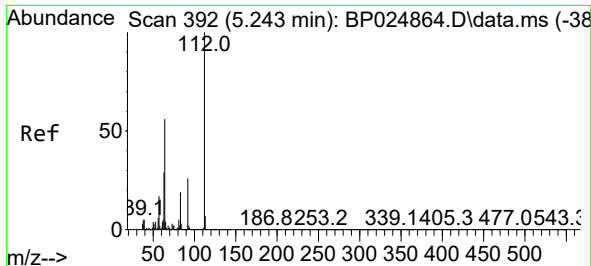
Tgt Ion: 79 Resp: 805939
Ion Ratio Lower Upper
79 100
52 64.4 51.6 77.4
51 32.2 25.5 38.3



#4
n-Nitrosodimethylamine
Concen: 45.125 ng
RT: 3.478 min Scan# 92
Delta R.T. 0.000 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

Tgt Ion: 42 Resp: 361871
Ion Ratio Lower Upper
42 100
74 149.8 116.6 174.8
44 6.9 5.4 8.0

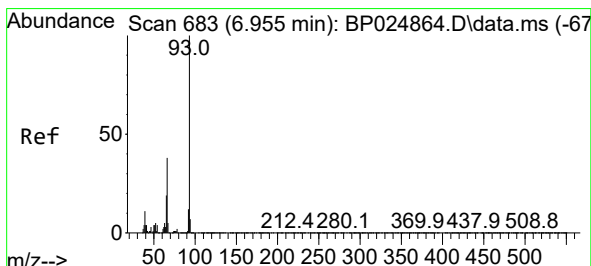
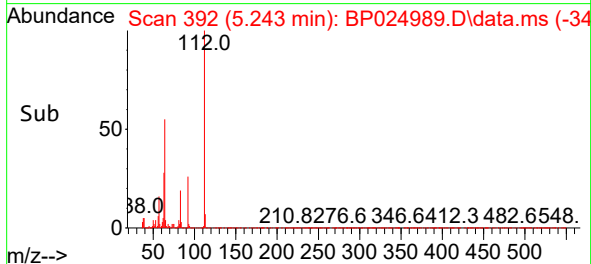
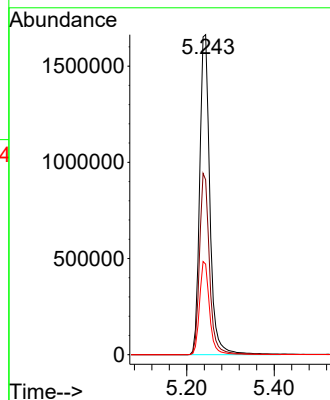
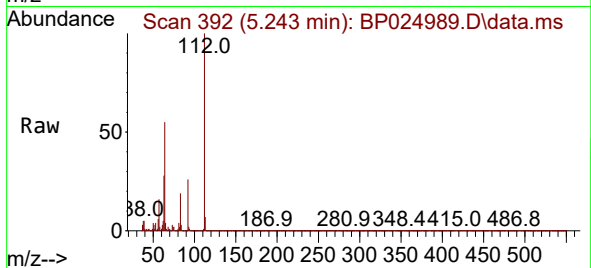




#5
2-Fluorophenol
Concen: 145.879 ng
RT: 5.243 min Scan# 392
Delta R.T. 0.000 min
Lab File: BP024989.D
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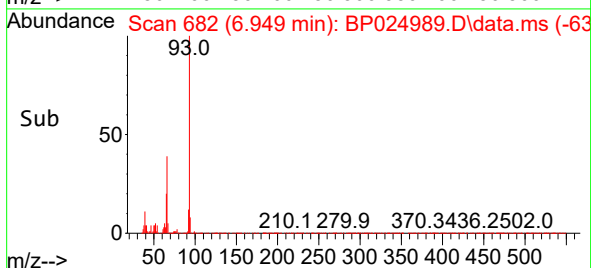
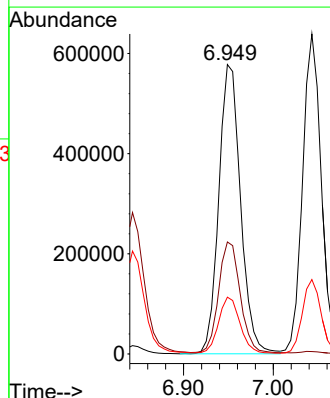
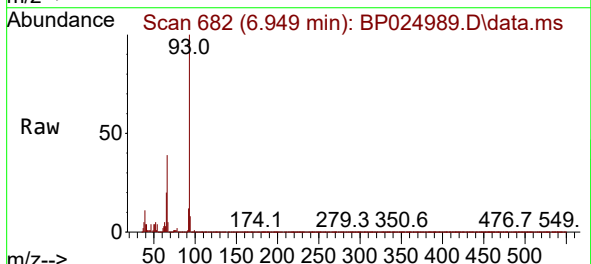
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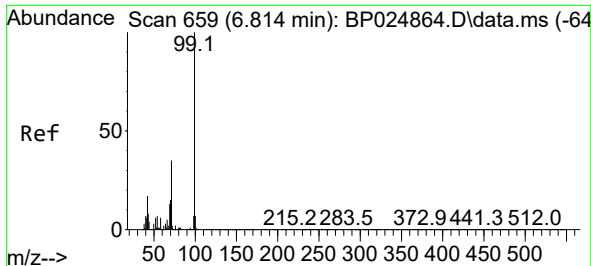
Tgt Ion:112 Resp: 2704169
Ion Ratio Lower Upper
112 100
64 54.7 44.7 67.1
63 28.3 23.5 35.3



#6
Aniline
Concen: 31.117 ng
RT: 6.949 min Scan# 682
Delta R.T. -0.006 min
Lab File: BP024989.D
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Tgt Ion: 93 Resp: 973946
Ion Ratio Lower Upper
93 100
66 38.7 30.9 46.3
65 19.6 15.5 23.3

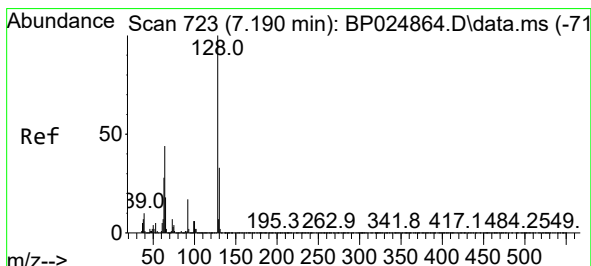
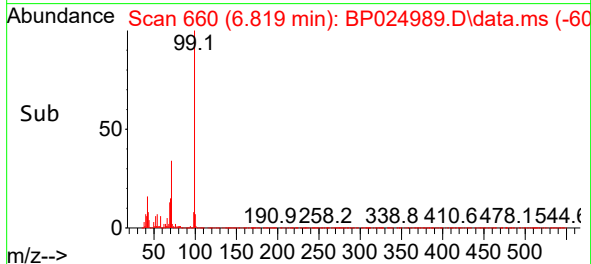
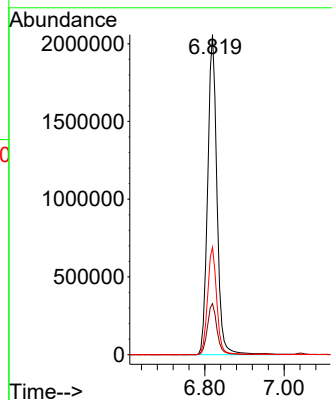
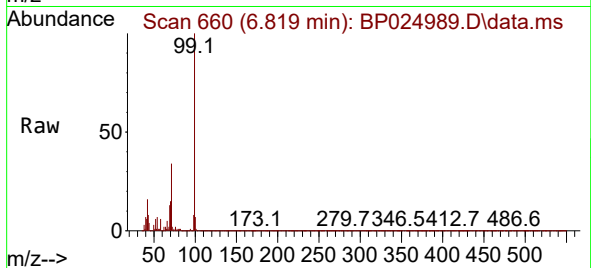




#7
Phenol-d6
Concen: 136.411 ng
RT: 6.819 min Scan# 60
Delta R.T. 0.006 min
Lab File: BP024989.D
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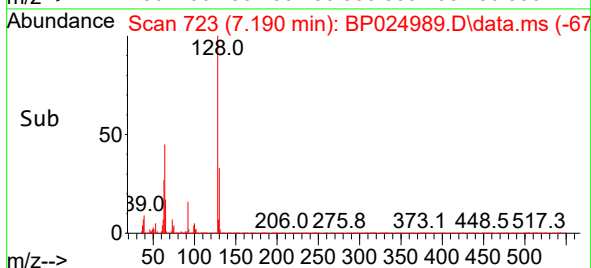
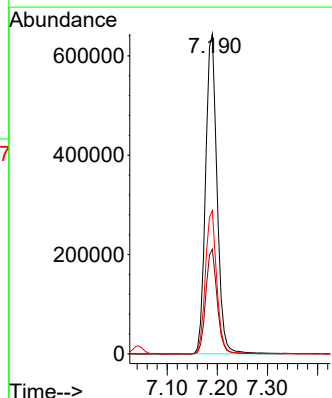
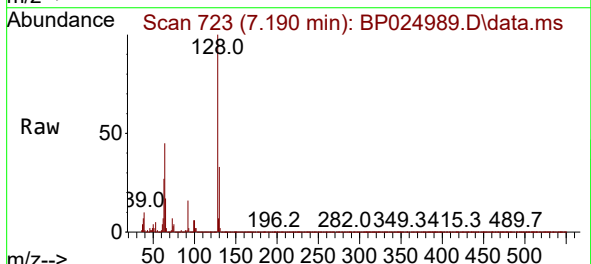
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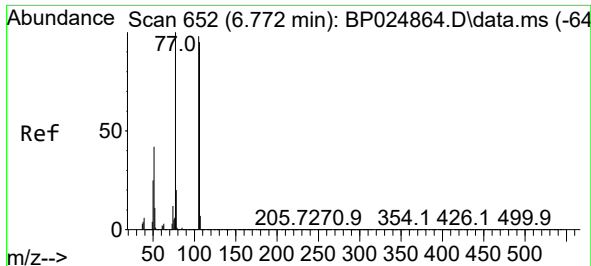
Tgt Ion: 99 Resp: 3345661
Ion Ratio Lower Upper
99 100
42 16.0 13.4 20.2
71 33.5 27.6 41.4



#8
2-Chlorophenol
Concen: 48.893 ng
RT: 7.190 min Scan# 723
Delta R.T. 0.000 min
Lab File: BP024989.D
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Tgt Ion: 128 Resp: 1027438
Ion Ratio Lower Upper
128 100
130 32.8 12.6 52.6
64 44.8 24.1 64.1

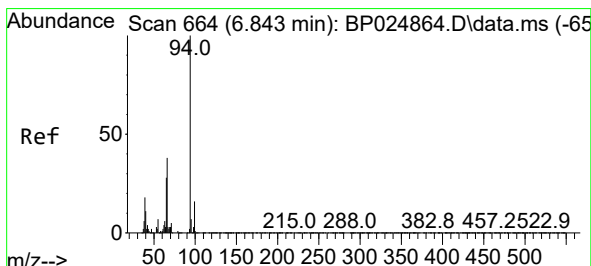
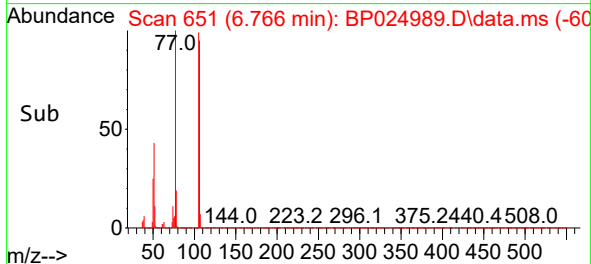
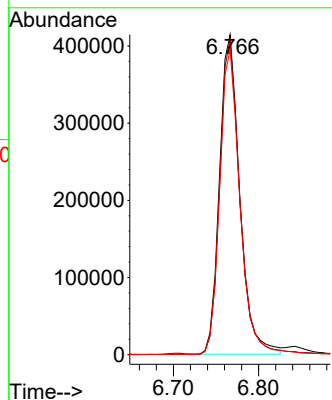
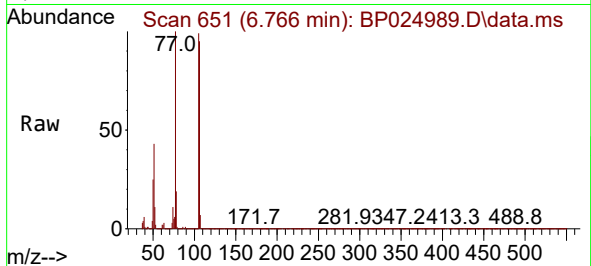




#9
Benzaldehyde
Concen: 48.246 ng
RT: 6.766 min Scan# 61
Delta R.T. -0.006 min
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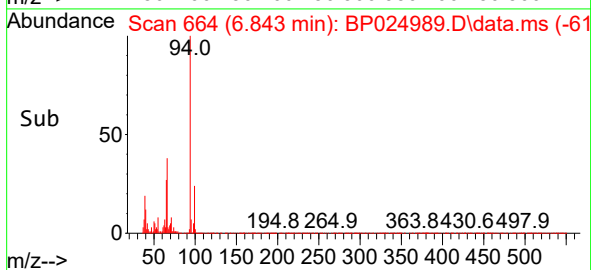
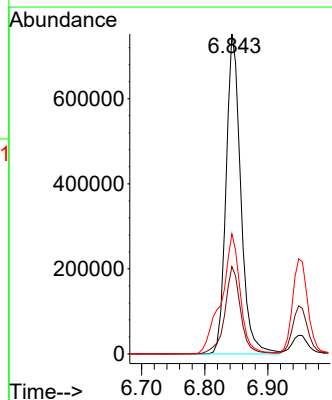
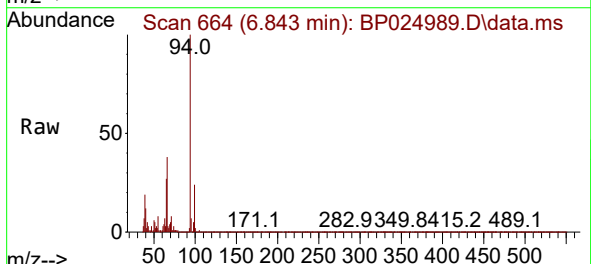
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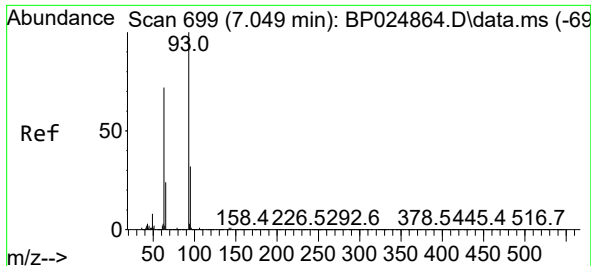
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Ion Ratio Lower Upper
77 100
105 98.6 77.7 117.7
106 95.3 74.8 114.8



#10
Phenol
Concen: 48.010 ng
RT: 6.843 min Scan# 664
Delta R.T. 0.000 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

Tgt Ion: 94 Resp: 1213888
Ion Ratio Lower Upper
94 100
65 27.3 8.3 48.3
66 37.6 18.2 58.2

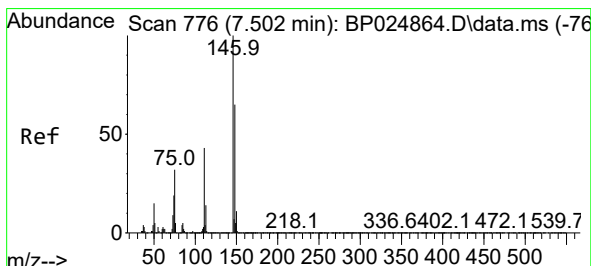
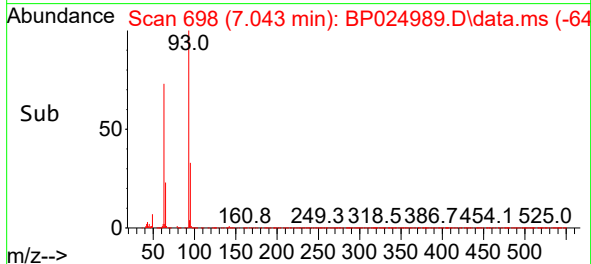
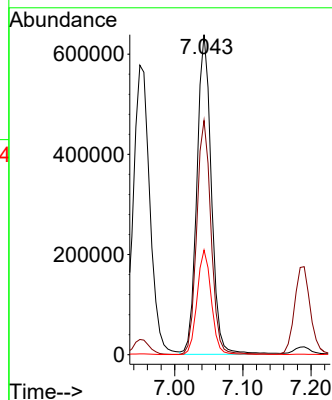
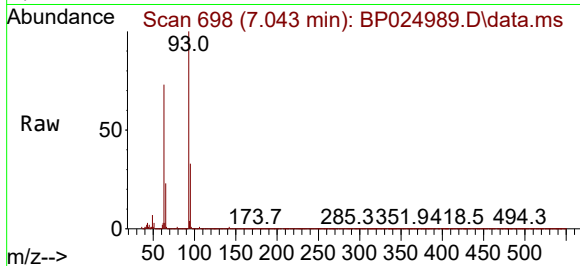




#11
bis(2-Chloroethyl)ether
Concen: 47.279 ng
RT: 7.043 min Scan# 699
Delta R.T. -0.006 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

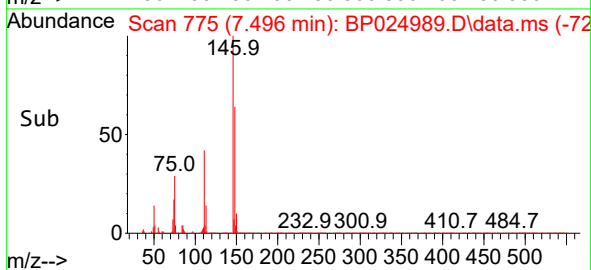
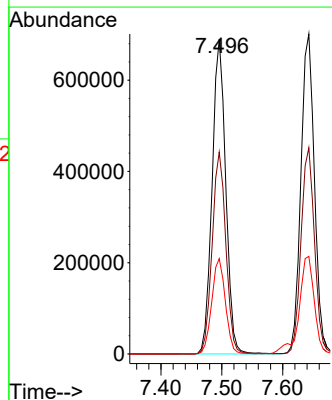
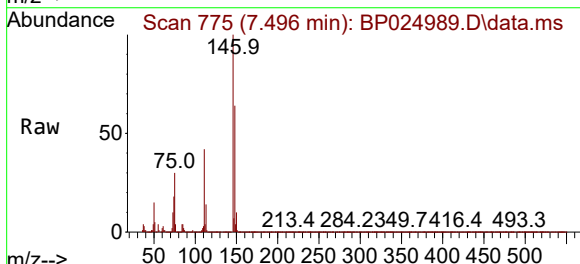
Instrument :
BNA_P
ClientSampleId :
PB168509BS

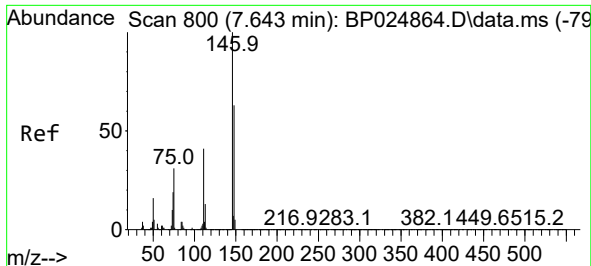
Tgt Ion: 93 Resp: 940203
Ion Ratio Lower Upper
93 100
63 73.2 51.6 91.6
95 32.7 12.1 52.1



#12
1,3-Dichlorobenzene
Concen: 45.762 ng
RT: 7.496 min Scan# 775
Delta R.T. -0.006 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

Tgt Ion: 146 Resp: 1072780
Ion Ratio Lower Upper
146 100
148 64.2 51.8 77.8
75 30.3 25.3 37.9

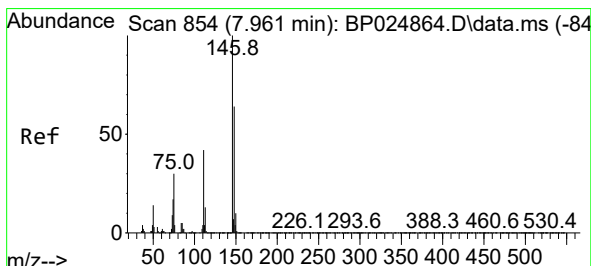
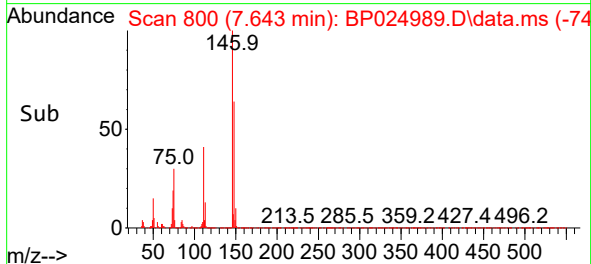
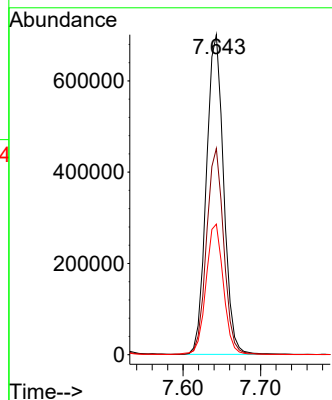
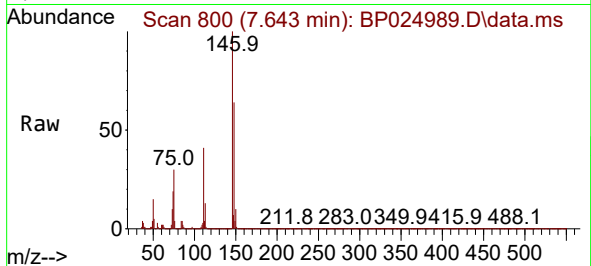




#13
1,4-Dichlorobenzene
Concen: 45.780 ng
RT: 7.643 min Scan# 800
Delta R.T. 0.000 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

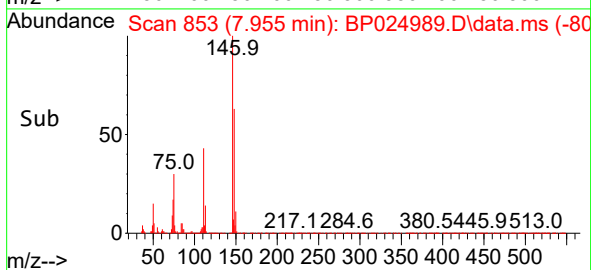
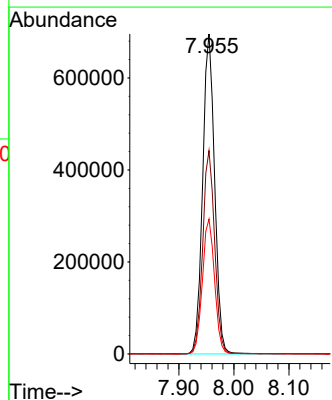
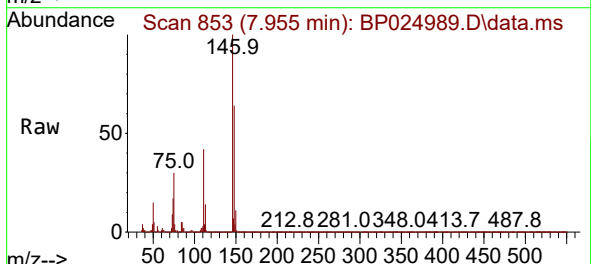
Instrument :
BNA_P
ClientSampleId :
PB168509BS

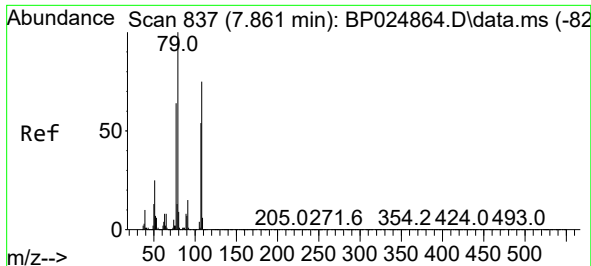
Tgt Ion:146 Resp: 1082870
Ion Ratio Lower Upper
146 100
148 64.4 50.8 76.2
111 40.8 32.7 49.1



#14
1,2-Dichlorobenzene
Concen: 45.296 ng
RT: 7.955 min Scan# 853
Delta R.T. -0.006 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

Tgt Ion:146 Resp: 1052099
Ion Ratio Lower Upper
146 100
148 63.6 51.0 76.4
111 42.1 33.8 50.8

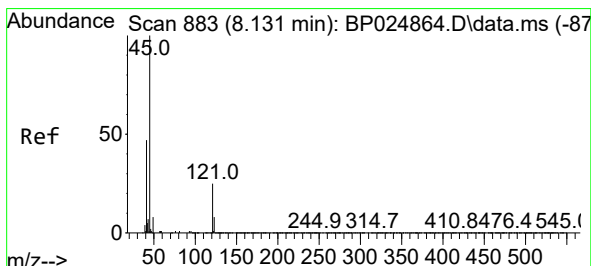
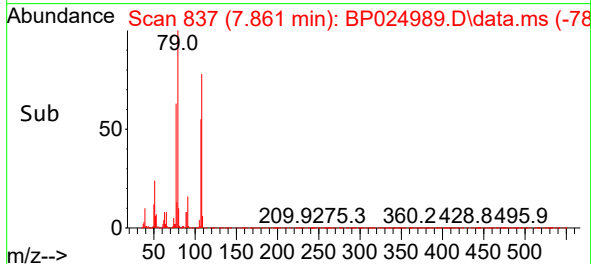
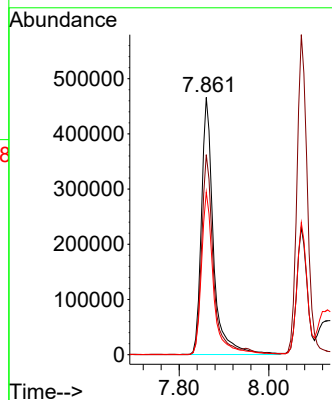
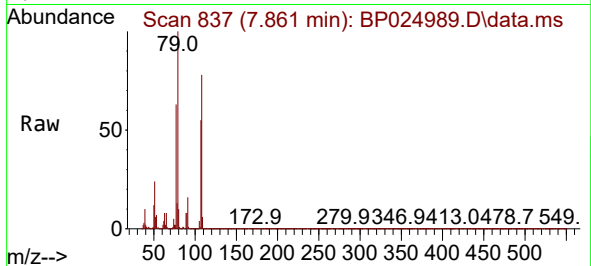




#15
Benzyl Alcohol
Concen: 45.919 ng
RT: 7.861 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

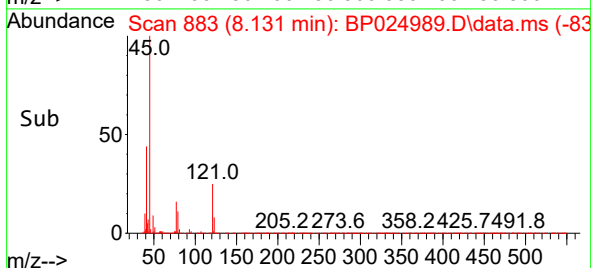
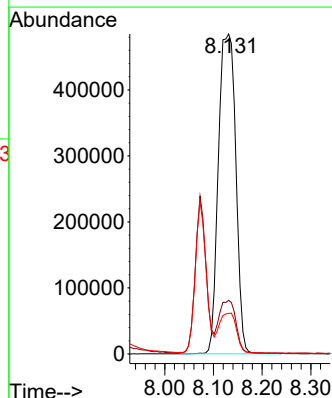
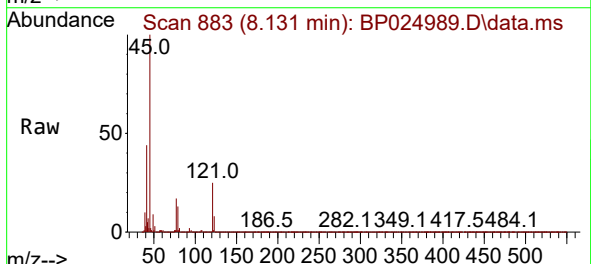
Instrument :
BNA_P
ClientSampleId :
PB168509BS

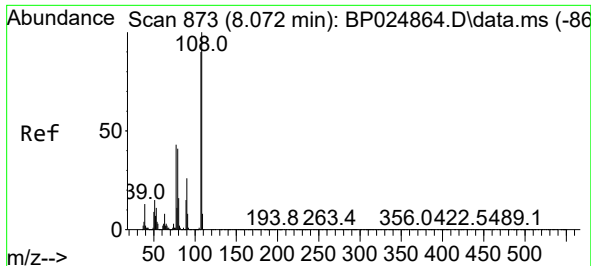
Tgt Ion: 79 Resp: 864354
Ion Ratio Lower Upper
79 100
108 77.7 60.2 90.4
77 63.2 51.2 76.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.369 ng
RT: 8.131 min Scan# 883
Delta R.T. 0.000 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

Tgt Ion: 45 Resp: 1206921
Ion Ratio Lower Upper
45 100
77 16.7 0.0 36.3
79 12.7 0.0 32.2

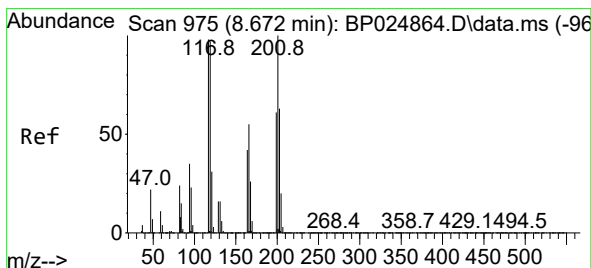
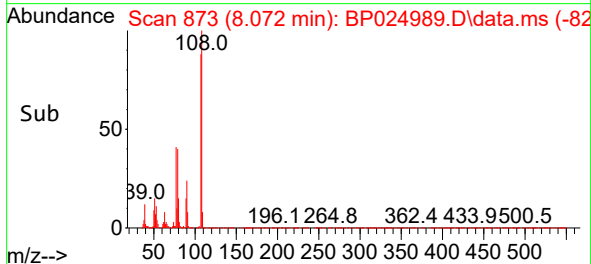
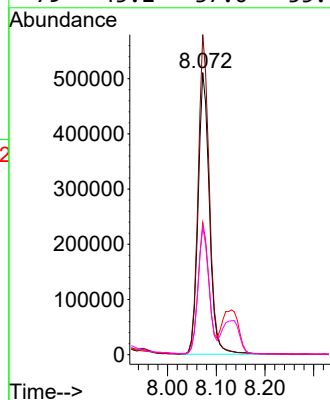
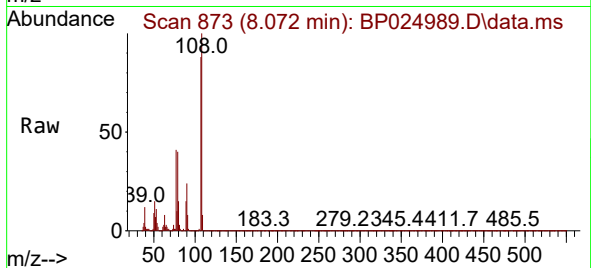




#17
2-Methylphenol
Concen: 46.680 ng
RT: 8.072 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

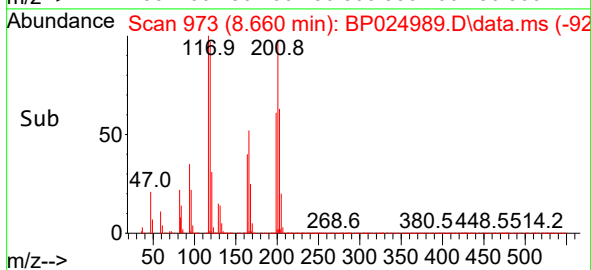
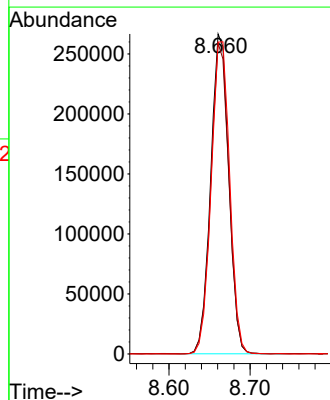
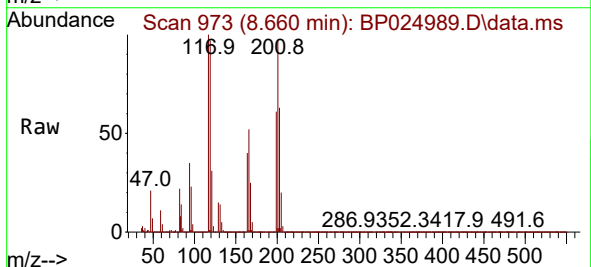
Instrument :
BNA_P
ClientSampleId :
PB168509BS

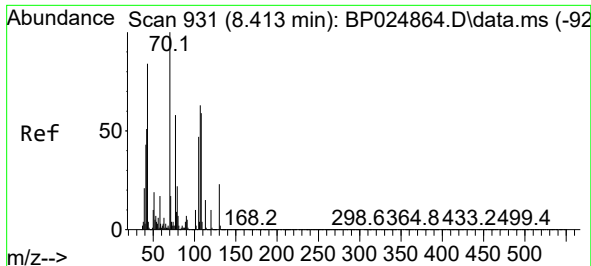
Tgt Ion:	107	Resp:	824188
Ion	Ratio	Lower	Upper
107	100		
108	113.5	88.6	132.8
77	46.8	38.5	57.7
79	45.2	37.0	55.6



#18
Hexachloroethane
Concen: 46.506 ng
RT: 8.660 min Scan# 973
Delta R.T. -0.012 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

Tgt Ion:	117	Resp:	414158
Ion	Ratio	Lower	Upper
117	100		
119	97.0	79.4	119.2
201	97.5	81.4	122.2



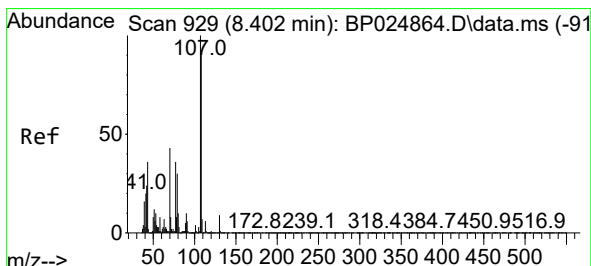
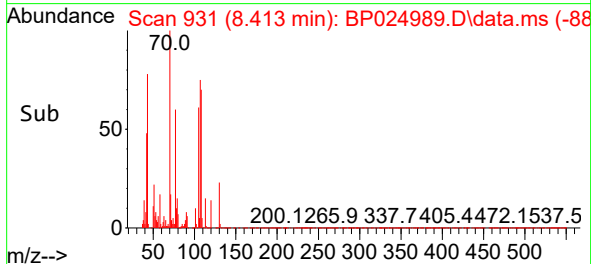
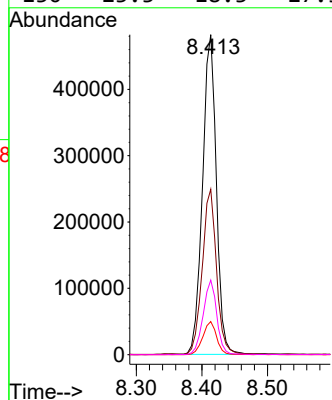
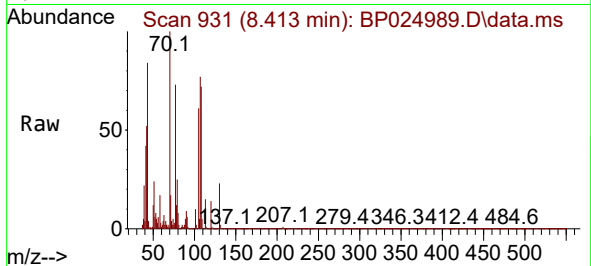


#19
n-Nitroso-di-n-propylamine
Concen: 42.452 ng
RT: 8.413 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

Instrument :
BNA_P
ClientSampleId :
PB168509BS

Tgt Ion: 70 Resp: 707817

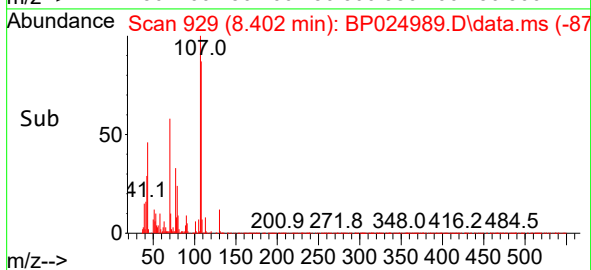
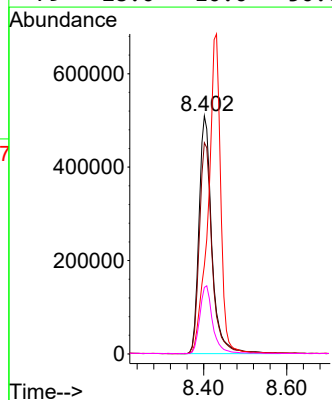
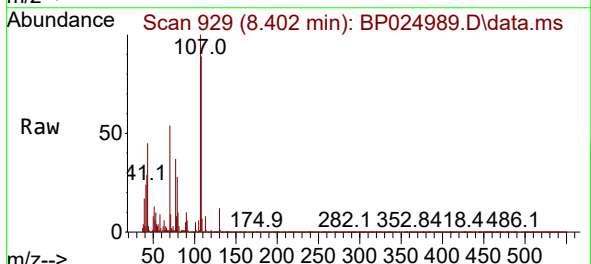
Ion	Ratio	Lower	Upper
70	100		
42	51.7	41.2	61.8
101	10.4	8.3	12.5
130	23.3	18.3	27.5

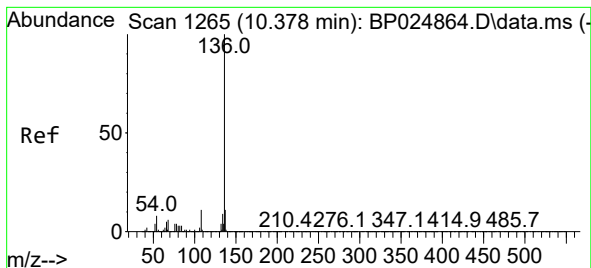


#20
3+4-Methylphenols
Concen: 45.378 ng
RT: 8.402 min Scan# 929
Delta R.T. 0.000 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

Tgt Ion: 107 Resp: 1093103

Ion	Ratio	Lower	Upper
107	100		
108	88.7	70.7	110.7
77	37.2	16.6	56.6
79	28.0	10.0	50.0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.378 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP024989.D

Acq: 18 Jun 2025 11:17

Instrument :

BNA_P

ClientSampleId :

PB168509BS

Tgt Ion:136 Resp: 1193314

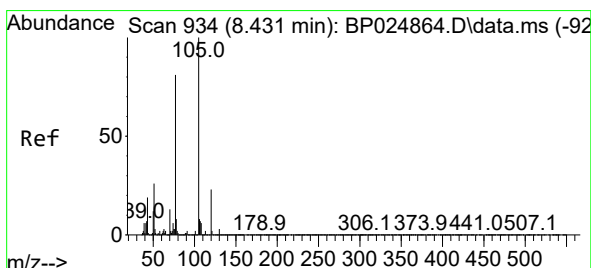
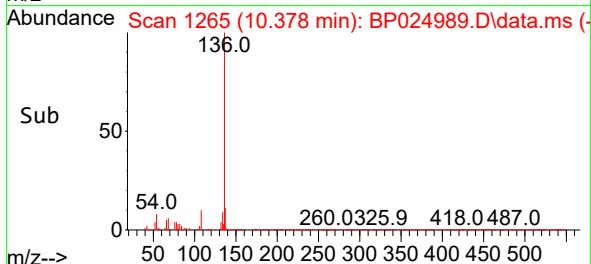
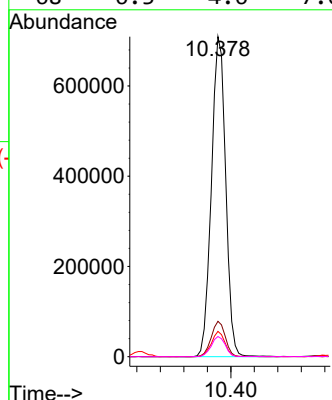
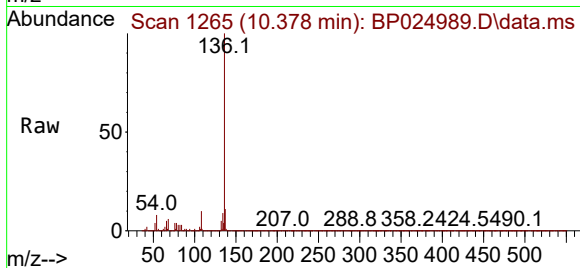
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.9 6.1 9.1

68 6.3 4.6 7.0



#22

Acetophenone

Concen: 47.168 ng

RT: 8.431 min Scan# 934

Delta R.T. 0.000 min

Lab File: BP024989.D

Acq: 18 Jun 2025 11:17

Tgt Ion:105 Resp: 1422096

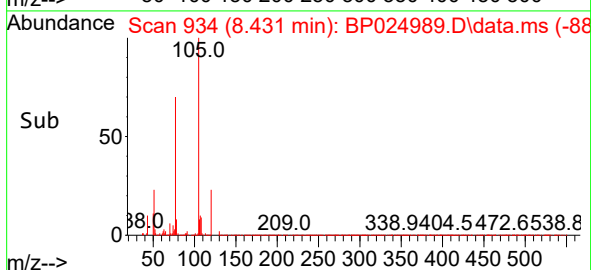
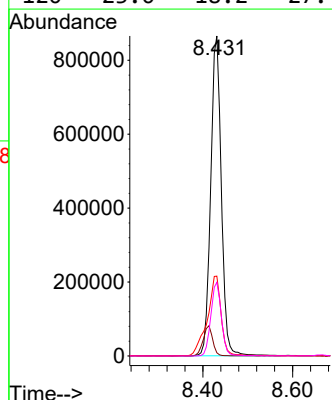
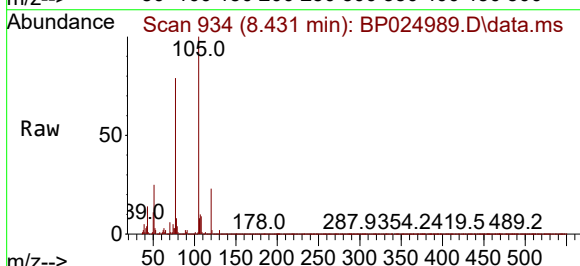
Ion Ratio Lower Upper

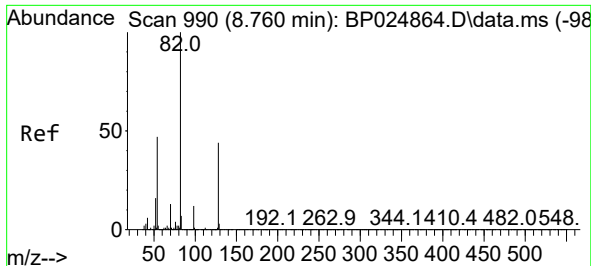
105 100

71 1.0 1.6 2.4#

51 25.0 20.6 31.0

120 23.0 18.2 27.4





#23

Nitrobenzene-d5

Concen: 84.713 ng

RT: 8.766 min Scan# 991

Delta R.T. 0.006 min

Lab File: BP024989.D

Acq: 18 Jun 2025 11:17

Instrument :

BNA_P

ClientSampleId :

PB168509BS

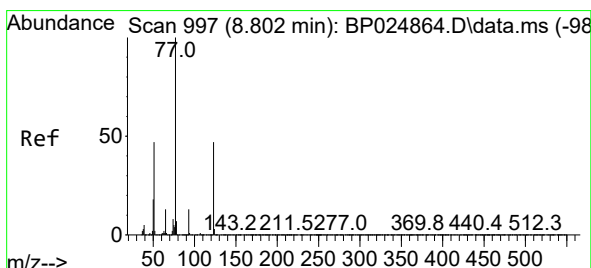
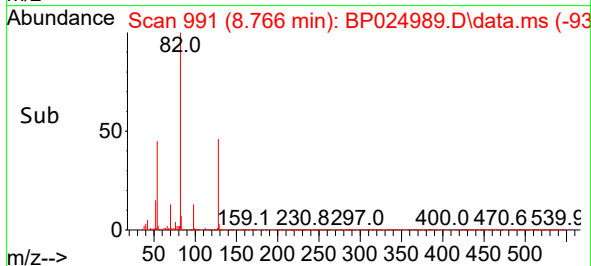
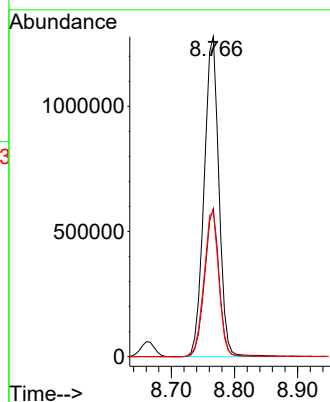
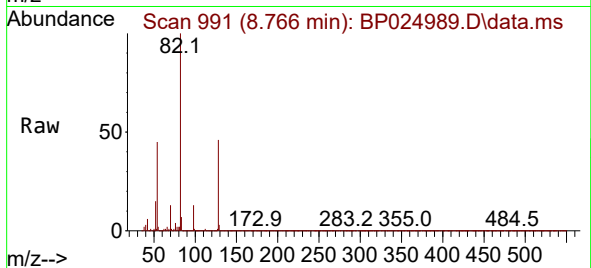
Tgt Ion: 82 Resp: 2080312

Ion Ratio Lower Upper

82 100

128 46.3 35.3 52.9

54 45.3 37.4 56.0



#24

Nitrobenzene

Concen: 47.953 ng

RT: 8.808 min Scan# 998

Delta R.T. 0.006 min

Lab File: BP024989.D

Acq: 18 Jun 2025 11:17

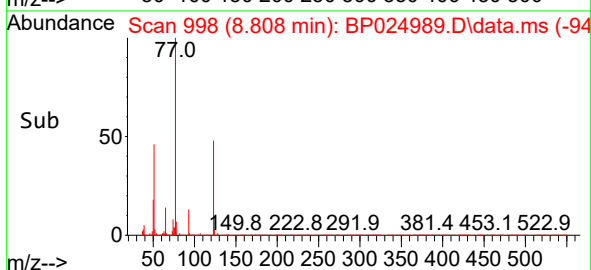
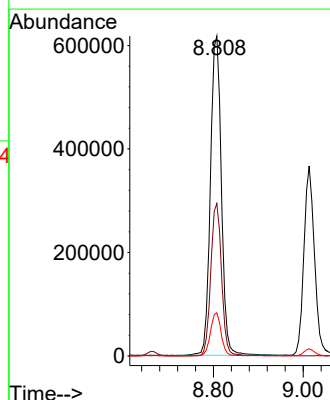
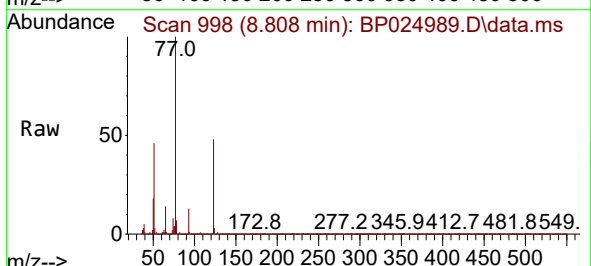
Tgt Ion: 77 Resp: 1046154

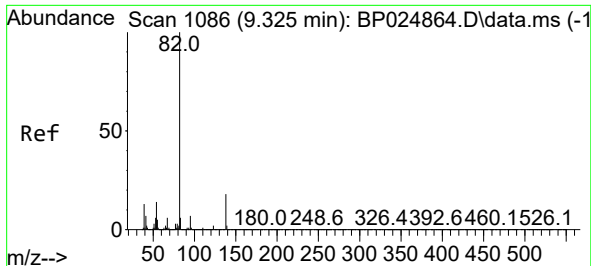
Ion Ratio Lower Upper

77 100

123 47.7 37.3 55.9

65 13.5 10.8 16.2

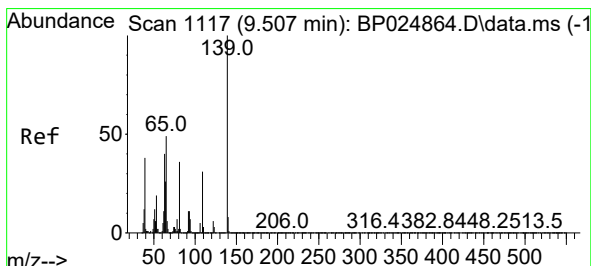
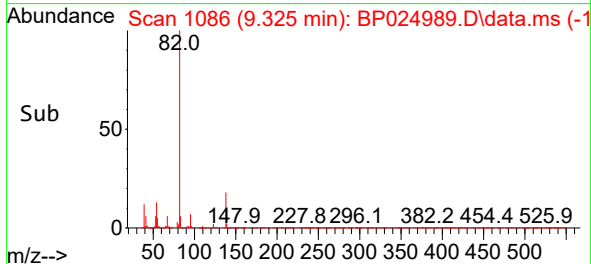
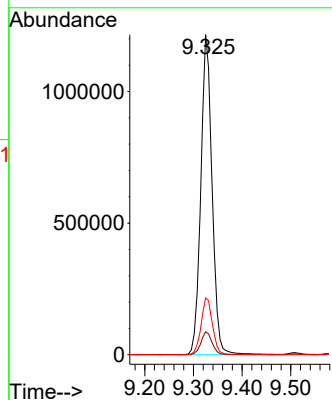
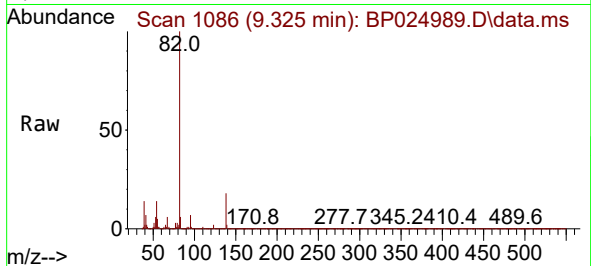




#25
Isophorone
Concen: 45.881 ng
RT: 9.325 min Scan# 1086
Delta R.T. 0.000 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

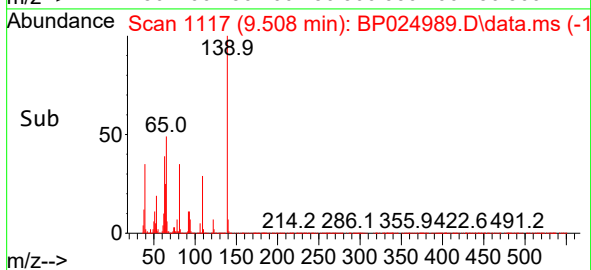
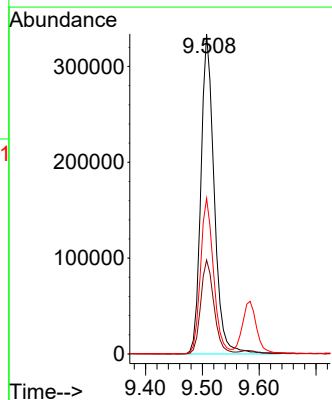
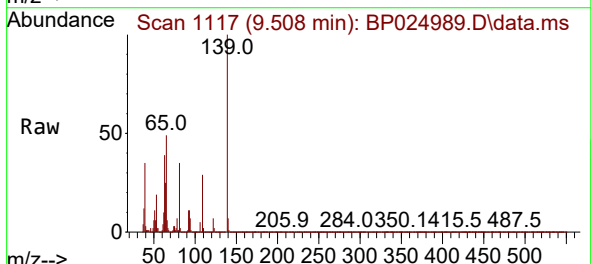
Instrument :
BNA_P
ClientSampleId :
PB168509BS

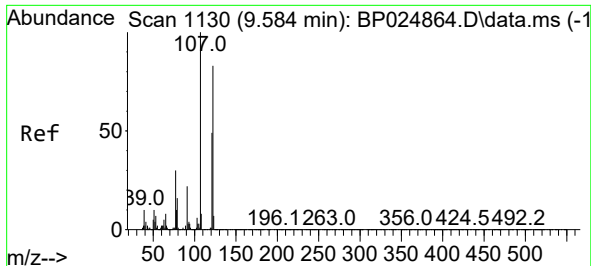
Tgt Ion: 82 Resp: 1952701
Ion Ratio Lower Upper
82 100
95 7.2 5.9 8.9
138 17.8 14.6 21.8



#26
2-Nitrophenol
Concen: 50.539 ng
RT: 9.508 min Scan# 1117
Delta R.T. 0.000 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

Tgt Ion: 139 Resp: 544012
Ion Ratio Lower Upper
139 100
109 29.4 24.6 37.0
65 48.7 39.5 59.3

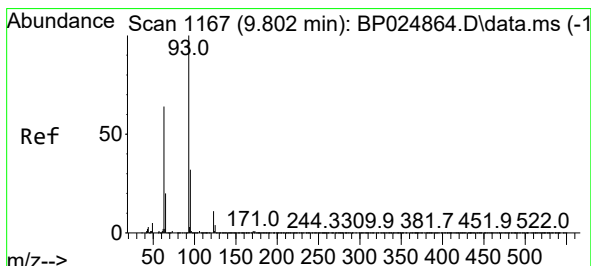
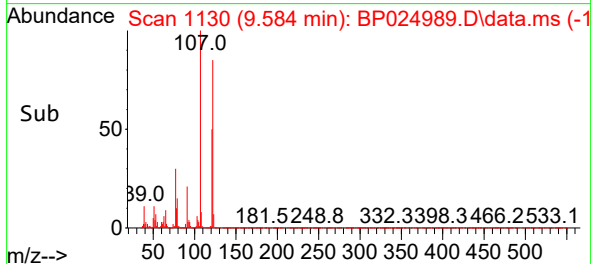
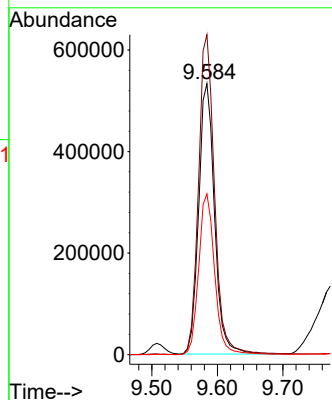
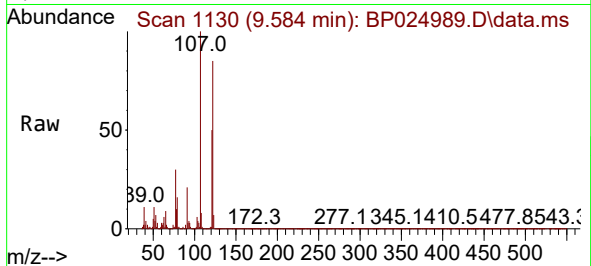




#27
2,4-Dimethylphenol
Concen: 48.757 ng
RT: 9.584 min Scan# 1130
Delta R.T. 0.000 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

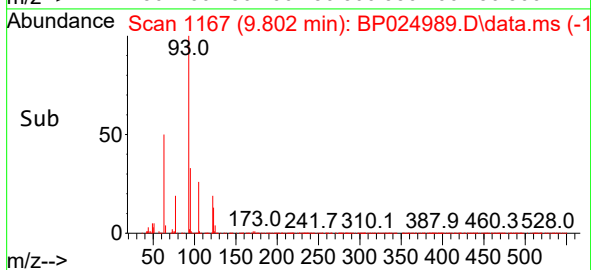
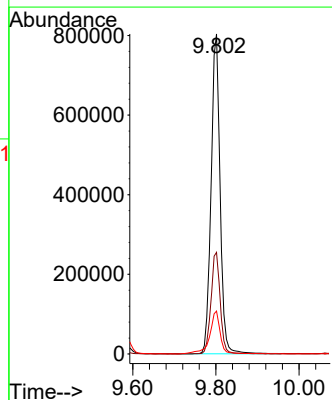
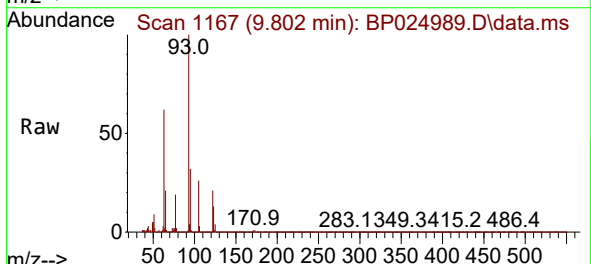
Instrument :
BNA_P
ClientSampleId :
PB168509BS

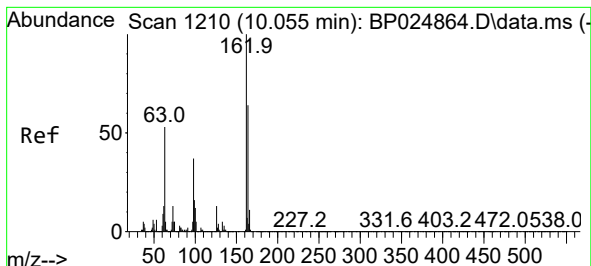
Tgt Ion:122 Resp: 898232
Ion Ratio Lower Upper
122 100
107 118.1 96.2 144.4
121 59.4 47.0 70.4



#28
bis(2-Chloroethoxy)methane
Concen: 47.574 ng
RT: 9.802 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

Tgt Ion: 93 Resp: 1207815
Ion Ratio Lower Upper
93 100
95 31.8 25.5 38.3
123 13.4 9.2 13.8

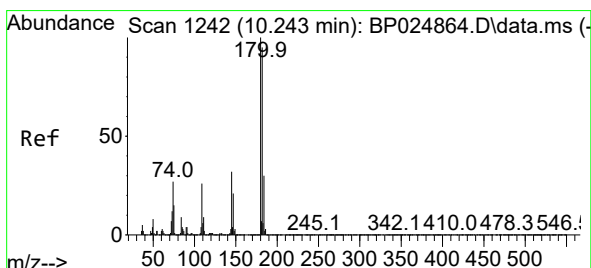
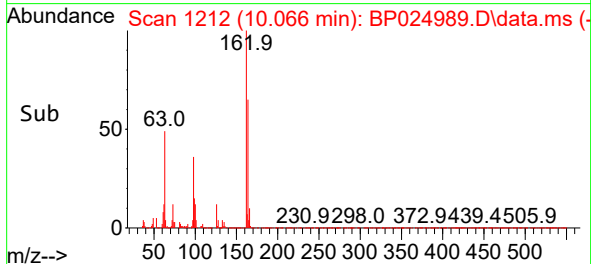
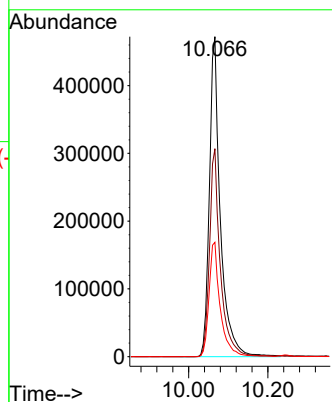
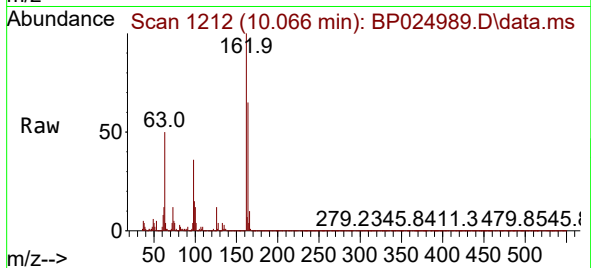




#29
2,4-Dichlorophenol
Concen: 51.272 ng
RT: 10.066 min Scan# 1212
Delta R.T. 0.012 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

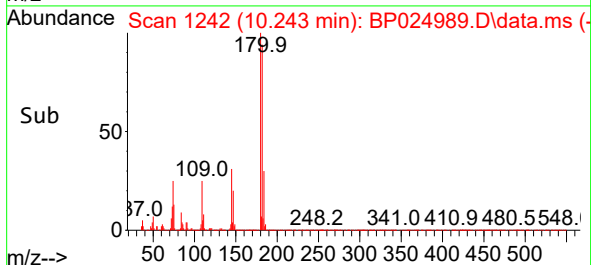
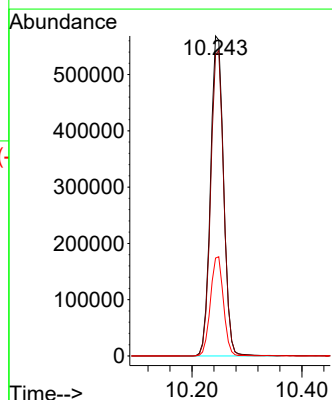
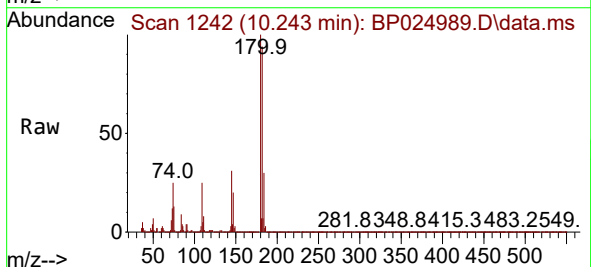
Instrument :
BNA_P
ClientSampleId :
PB168509BS

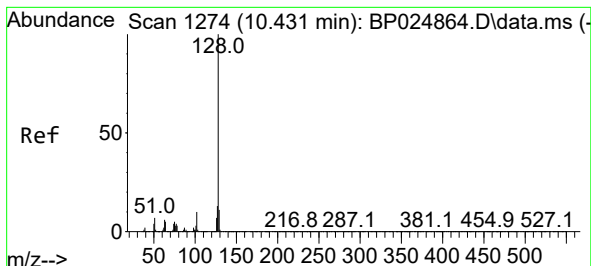
Tgt Ion:162 Resp: 906305
Ion Ratio Lower Upper
162 100
164 65.0 44.0 84.0
98 35.8 16.9 56.9



#30
1,2,4-Trichlorobenzene
Concen: 47.009 ng
RT: 10.243 min Scan# 1242
Delta R.T. 0.000 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

Tgt Ion:180 Resp: 937229
Ion Ratio Lower Upper
180 100
182 94.2 75.8 113.6
145 30.6 25.7 38.5

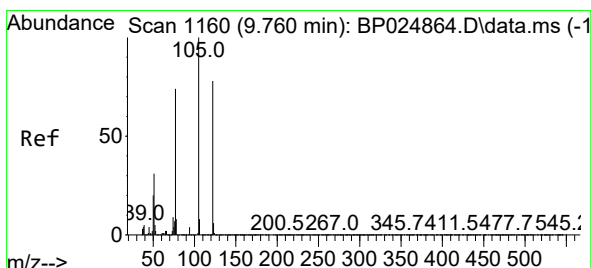
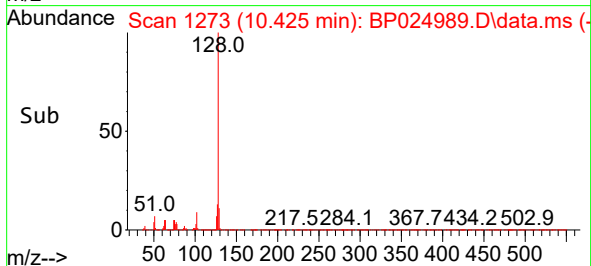
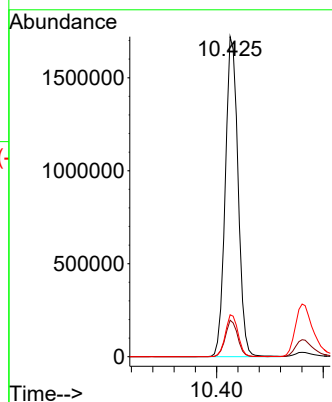
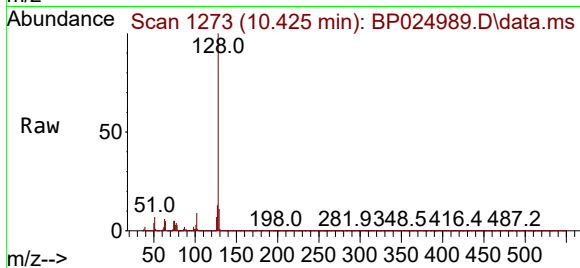




#31
Naphthalene
Concen: 46.787 ng
RT: 10.425 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

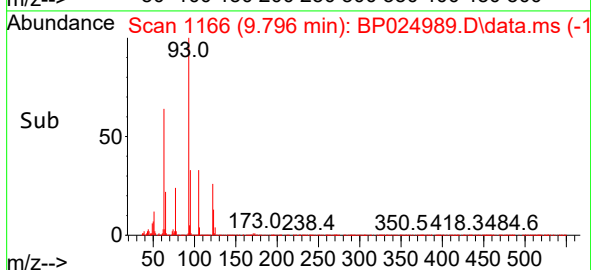
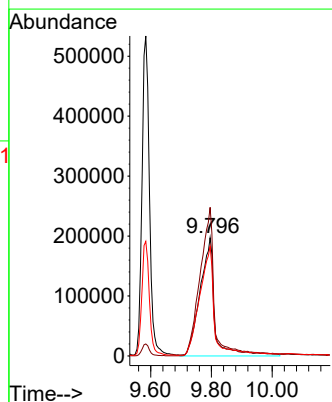
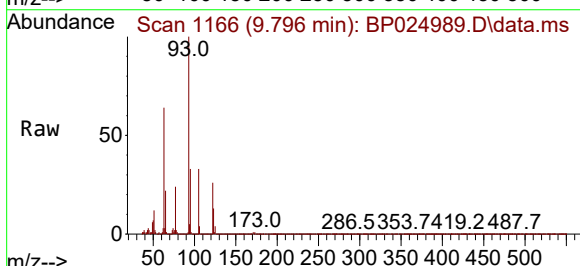
Instrument :
BNA_P
ClientSampleId :
PB168509BS

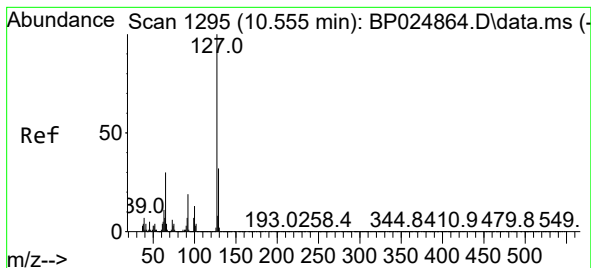
Tgt Ion:128 Resp: 2861158
Ion Ratio Lower Upper
128 100
129 11.4 8.7 13.1
127 13.1 10.7 16.1



#32
Benzoic acid
Concen: 53.315 ng m
RT: 9.796 min Scan# 1166
Delta R.T. 0.035 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

Tgt Ion:122 Resp: 663726
Ion Ratio Lower Upper
122 100
105 125.7 107.1 147.1
77 92.8 75.1 115.1





#33

4-Chloroaniline

Concen: 27.058 ng

RT: 10.560 min Scan# 11

Delta R.T. 0.006 min

Lab File: BP024989.D

Acq: 18 Jun 2025 11:17

Instrument :

BNA_P

ClientSampleId :

PB168509BS

Tgt Ion:127 Resp: 693245

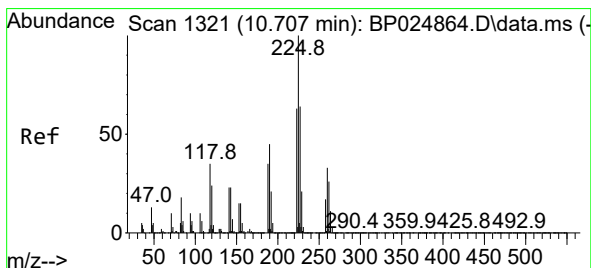
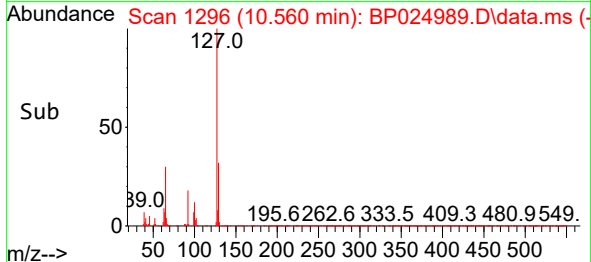
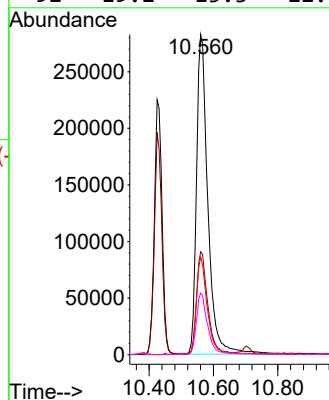
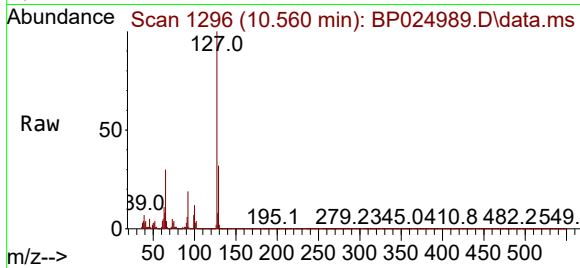
Ion Ratio Lower Upper

127 100

129 32.2 25.9 38.9

65 30.4 23.9 35.9

92 19.2 15.3 22.9



#34

Hexachlorobutadiene

Concen: 47.881 ng

RT: 10.702 min Scan# 1320

Delta R.T. -0.006 min

Lab File: BP024989.D

Acq: 18 Jun 2025 11:17

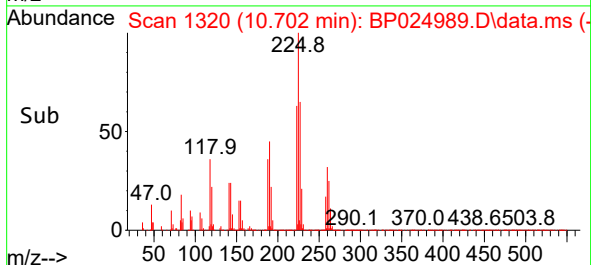
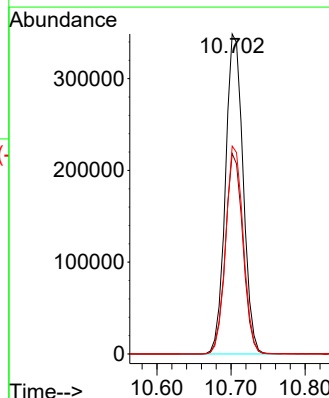
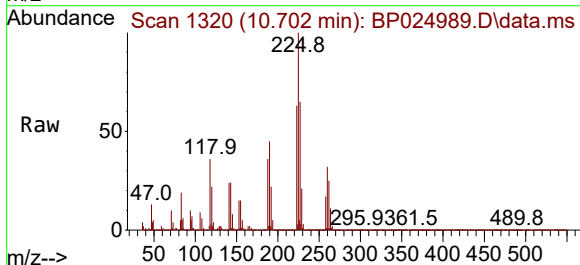
Tgt Ion:225 Resp: 575351

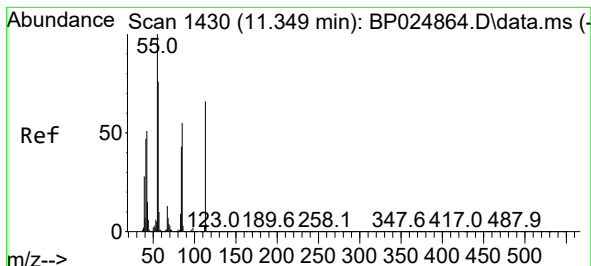
Ion Ratio Lower Upper

225 100

223 62.6 50.5 75.7

227 64.9 51.4 77.2

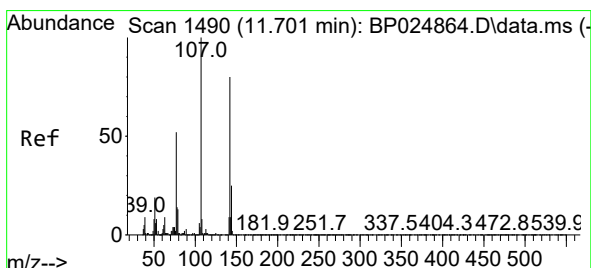
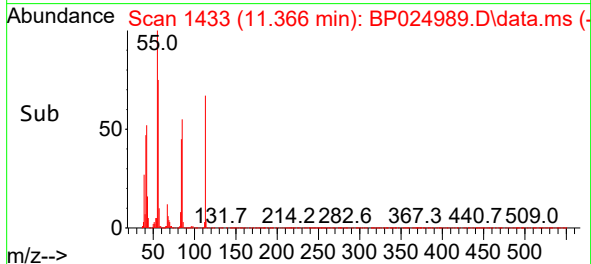
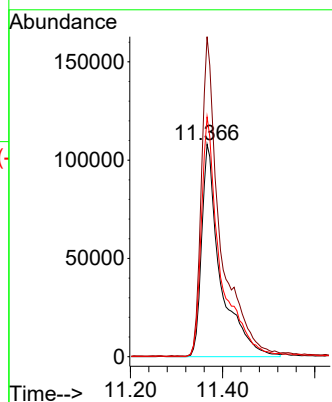
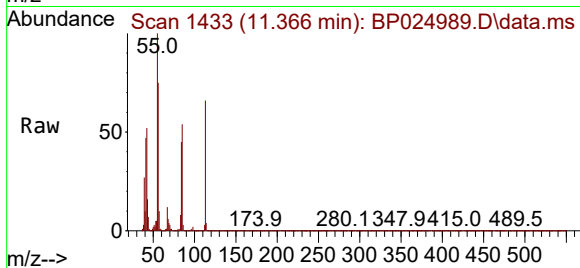




#35
Caprolactam
Concen: 47.188 ng
RT: 11.366 min Scan# 1433
Delta R.T. 0.018 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

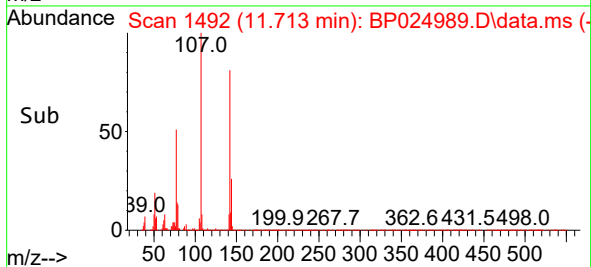
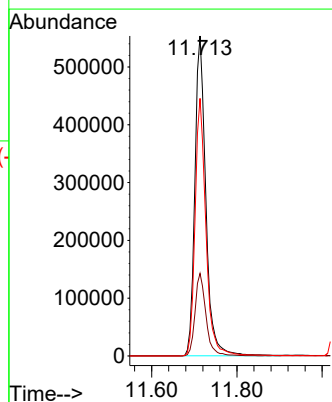
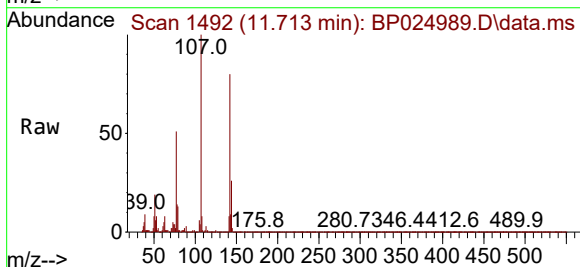
Instrument :
BNA_P
ClientSampleId :
PB168509BS

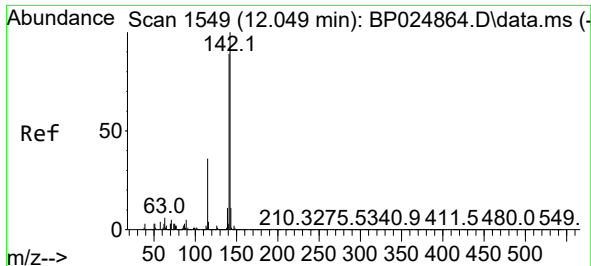
Tgt Ion:113 Resp: 307041
Ion Ratio Lower Upper
113 100
55 150.8 132.5 172.5
56 113.0 96.0 136.0



#36
4-Chloro-3-methylphenol
Concen: 48.528 ng
RT: 11.713 min Scan# 1492
Delta R.T. 0.012 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

Tgt Ion:107 Resp: 989405
Ion Ratio Lower Upper
107 100
144 25.8 20.4 30.6
142 80.5 63.8 95.6

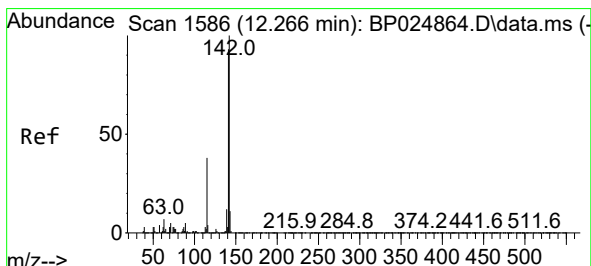
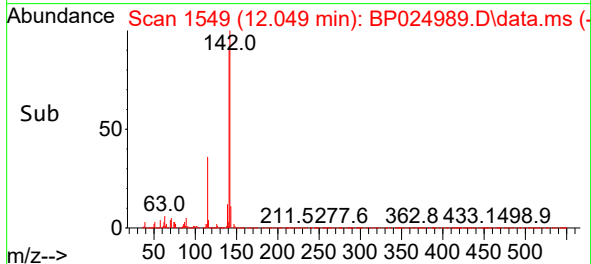
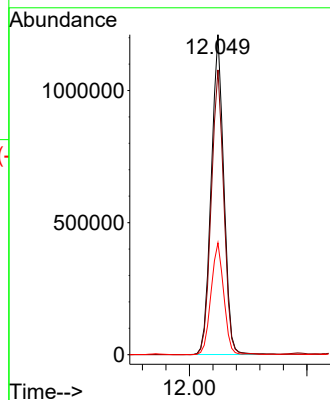
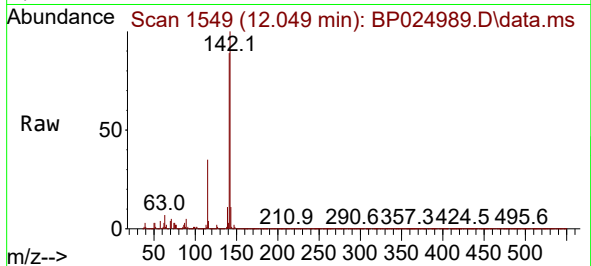




#37
2-Methylnaphthalene
Concen: 46.439 ng
RT: 12.049 min Scan# 1549
Delta R.T. 0.000 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

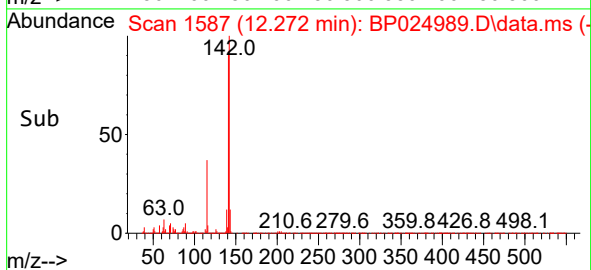
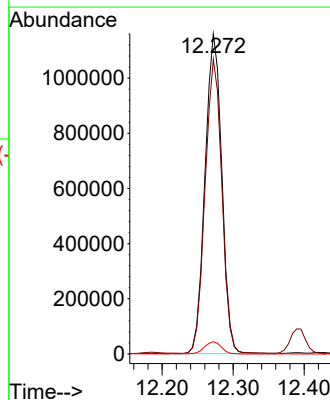
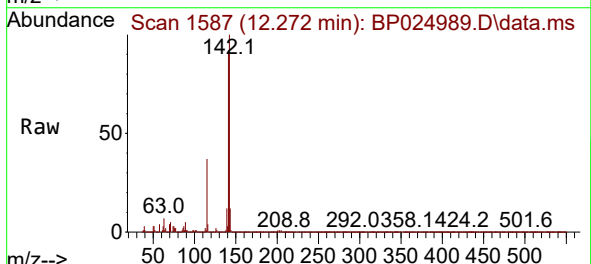
Instrument :
BNA_P
ClientSampleId :
PB168509BS

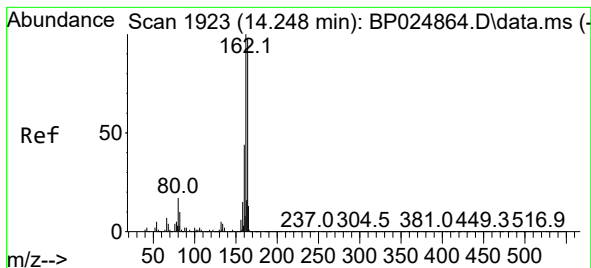
Tgt Ion:142 Resp: 1801384
Ion Ratio Lower Upper
142 100
141 89.0 71.2 106.8
115 35.0 28.5 42.7



#38
1-Methylnaphthalene
Concen: 45.913 ng
RT: 12.272 min Scan# 1587
Delta R.T. 0.006 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

Tgt Ion:142 Resp: 1904088
Ion Ratio Lower Upper
142 100
141 92.0 74.7 112.1
116 3.9 3.4 5.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.254 min Scan# 1924

Delta R.T. 0.006 min

Lab File: BP024989.D

Acq: 18 Jun 2025 11:17

Instrument :

BNA_P

ClientSampleId :

PB168509BS

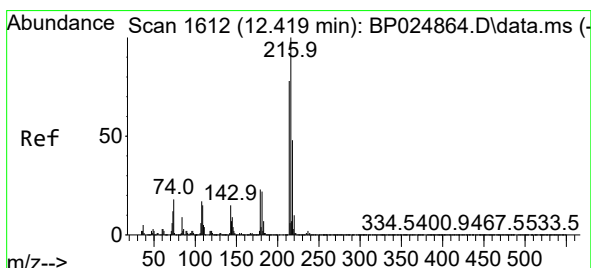
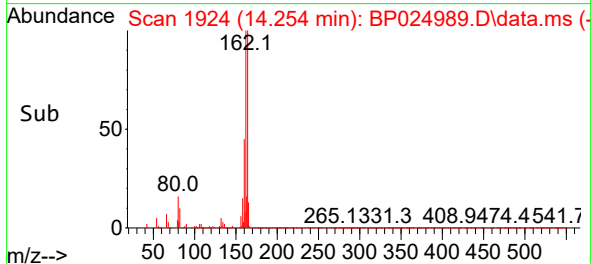
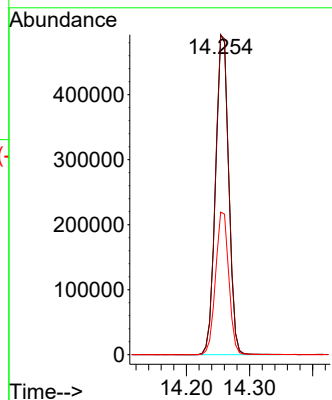
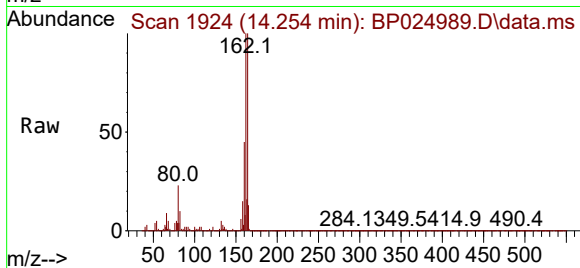
Tgt Ion:164 Resp: 709072

Ion Ratio Lower Upper

164 100

162 99.9 81.6 122.4

160 44.5 36.2 54.2



#40

1,2,4,5-Tetrachlorobenzene

Concen: 49.992 ng

RT: 12.425 min Scan# 1613

Delta R.T. 0.006 min

Lab File: BP024989.D

Acq: 18 Jun 2025 11:17

Tgt Ion:216 Resp: 1005861

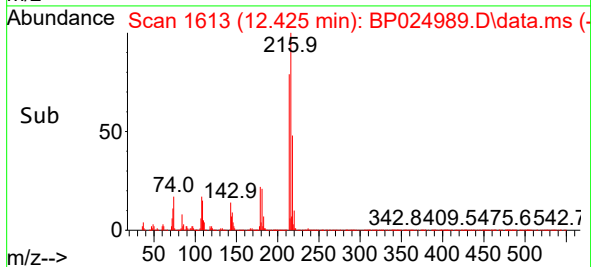
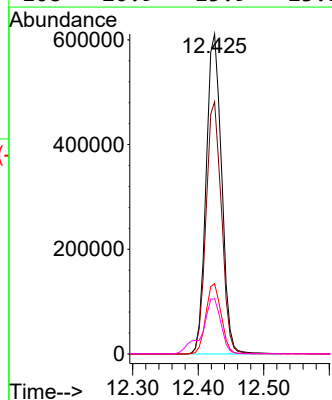
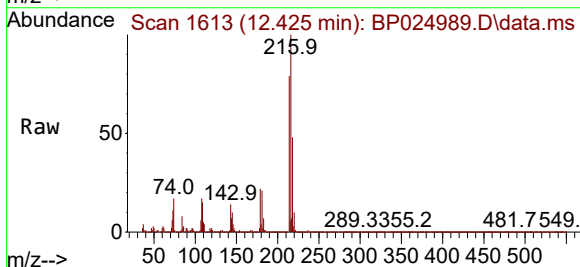
Ion Ratio Lower Upper

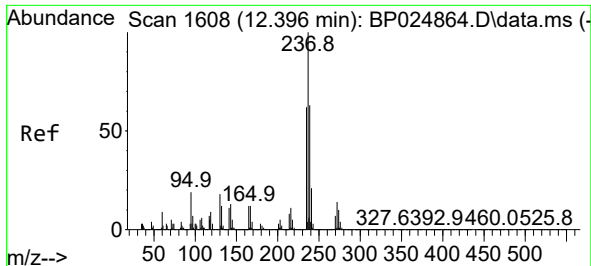
216 100

214 78.7 63.0 94.4

179 21.8 17.8 26.6

108 20.9 15.9 23.9

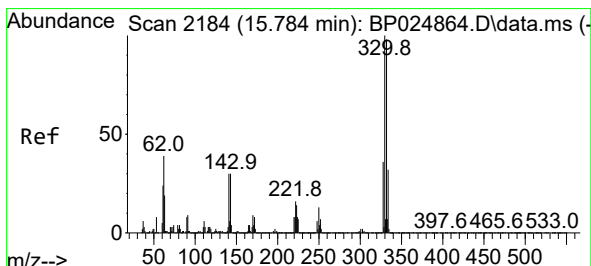
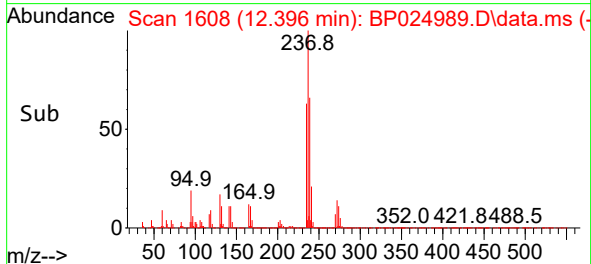
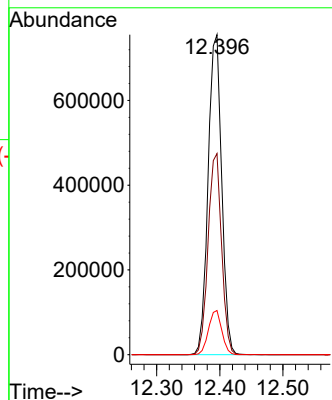
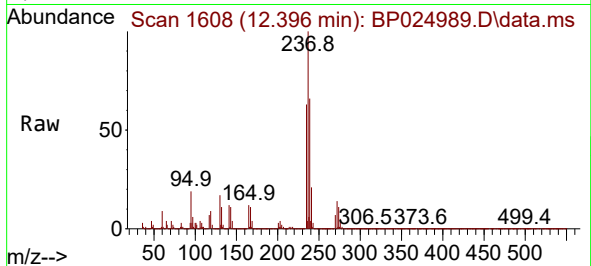




#41
Hexachlorocyclopentadiene
Concen: 91.800 ng
RT: 12.396 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

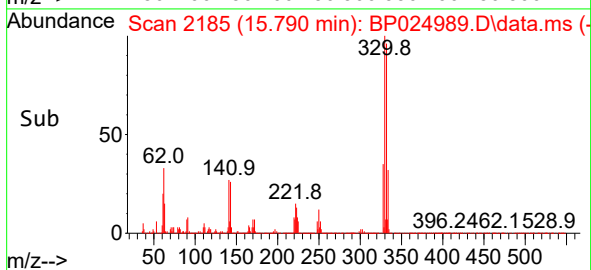
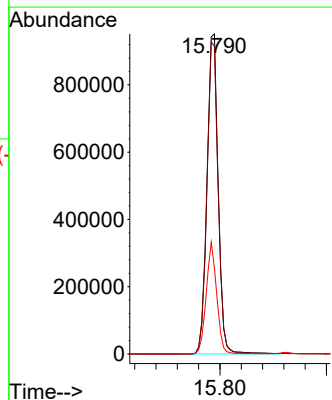
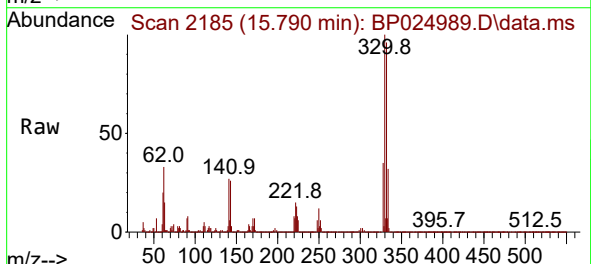
Instrument :
BNA_P
ClientSampleId :
PB168509BS

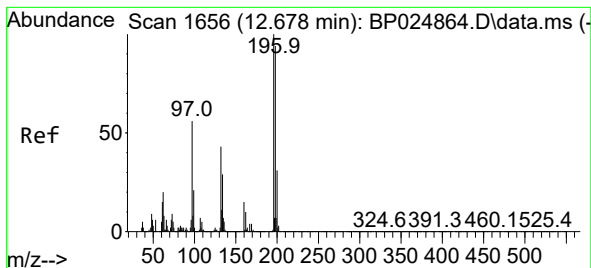
Tgt Ion:237 Resp: 1126578
Ion Ratio Lower Upper
237 100
235 62.8 41.9 81.9
272 13.8 0.0 33.7



#42
2,4,6-Tribromophenol
Concen: 141.768 ng
RT: 15.790 min Scan# 2185
Delta R.T. 0.006 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

Tgt Ion:330 Resp: 1389795
Ion Ratio Lower Upper
330 100
332 97.6 77.7 116.5
141 32.7 26.4 39.6





#43

2,4,6-Trichlorophenol

Concen: 51.781 ng

RT: 12.690 min Scan# 1

Delta R.T. 0.012 min

Lab File: BP024989.D

Acq: 18 Jun 2025 11:17

Instrument :

BNA_P

ClientSampleId :

PB168509BS

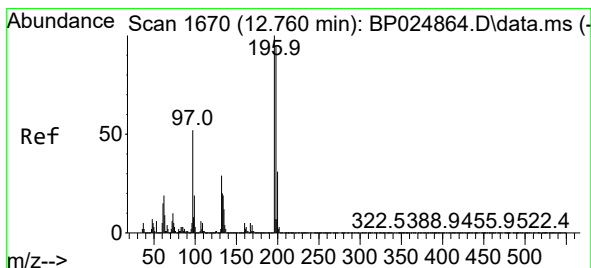
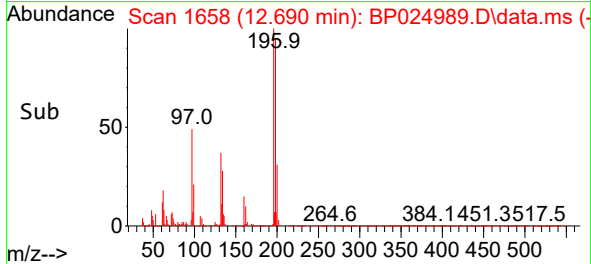
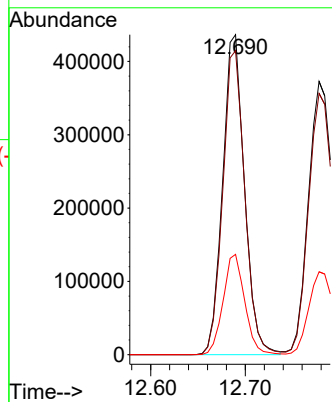
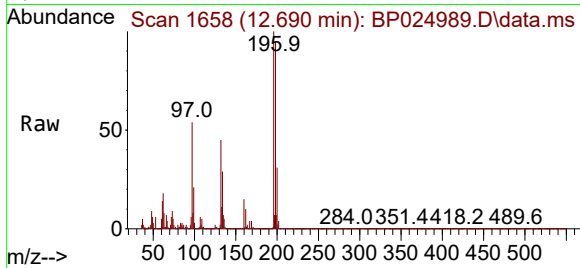
Tgt Ion:196 Resp: 699672

Ion Ratio Lower Upper

196 100

198 95.0 75.4 113.0

200 31.3 24.4 36.6



#44

2,4,5-Trichlorophenol

Concen: 52.839 ng

RT: 12.778 min Scan# 1673

Delta R.T. 0.018 min

Lab File: BP024989.D

Acq: 18 Jun 2025 11:17

Tgt Ion:196 Resp: 764616

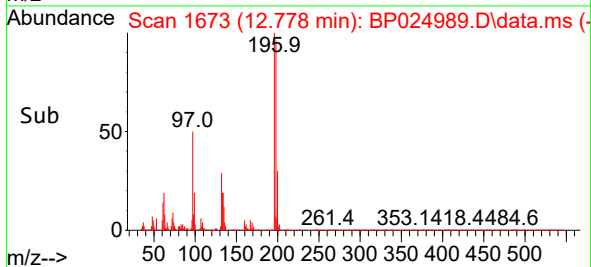
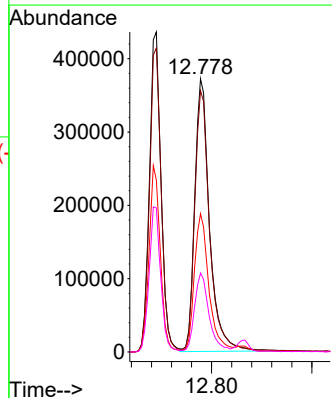
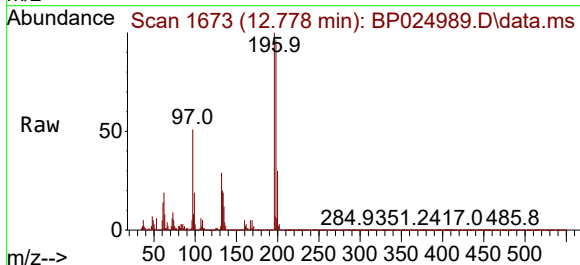
Ion Ratio Lower Upper

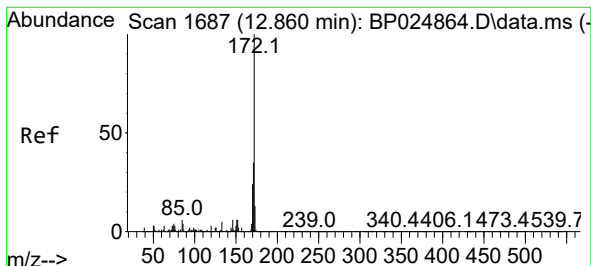
196 100

198 95.6 76.0 114.0

97 50.6 41.5 62.3

132 28.9 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 85.512 ng

RT: 12.866 min Scan# 1

Delta R.T. 0.006 min

Lab File: BP024989.D

Acq: 18 Jun 2025 11:17

Instrument :

BNA_P

ClientSampleId :

PB168509BS

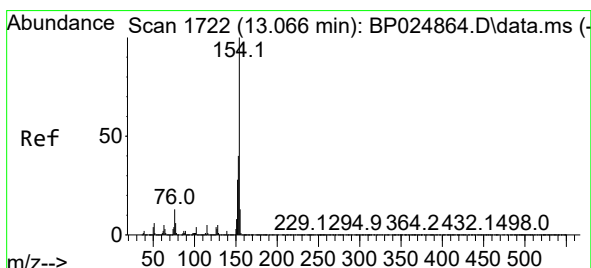
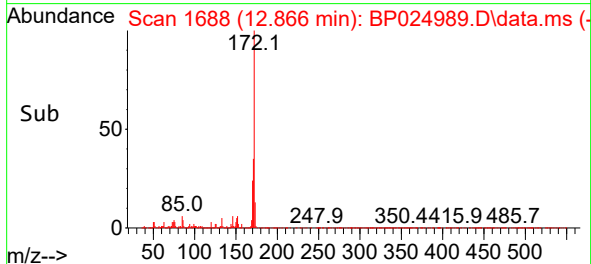
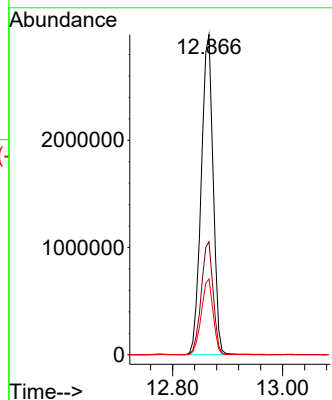
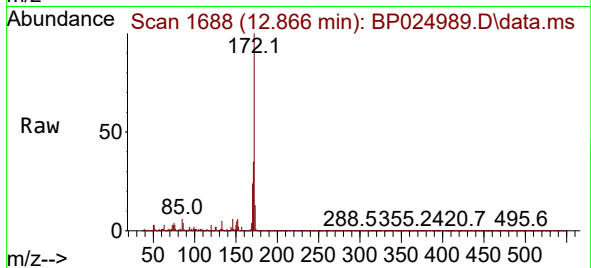
Tgt Ion:172 Resp: 4501012

Ion Ratio Lower Upper

172 100

171 35.3 28.3 42.5

170 23.7 19.0 28.4



#46

1,1'-Biphenyl

Concen: 48.983 ng

RT: 13.078 min Scan# 1724

Delta R.T. 0.012 min

Lab File: BP024989.D

Acq: 18 Jun 2025 11:17

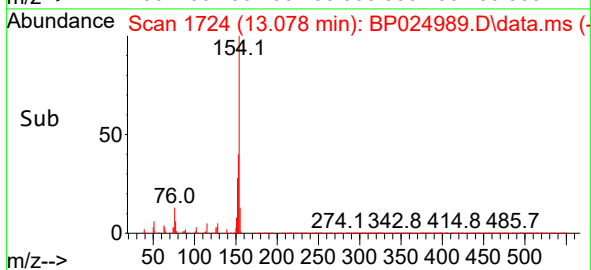
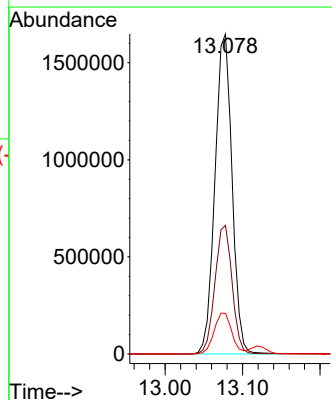
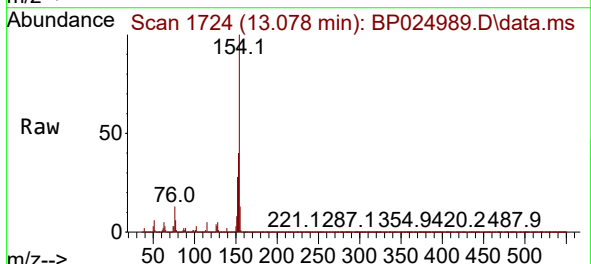
Tgt Ion:154 Resp: 2524113

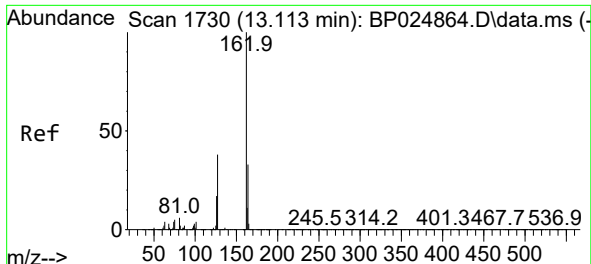
Ion Ratio Lower Upper

154 100

153 40.2 20.3 60.3

76 12.7 0.0 33.0

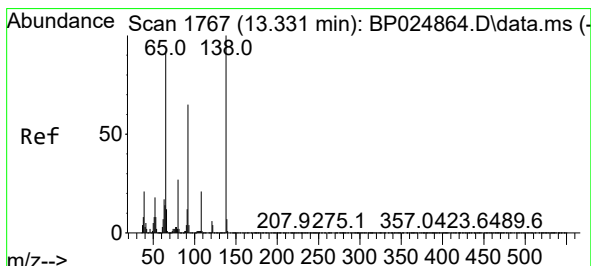
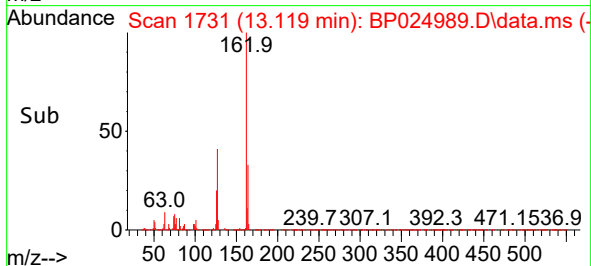
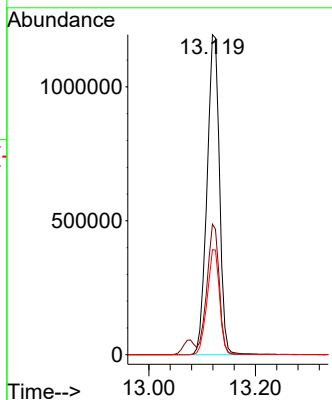
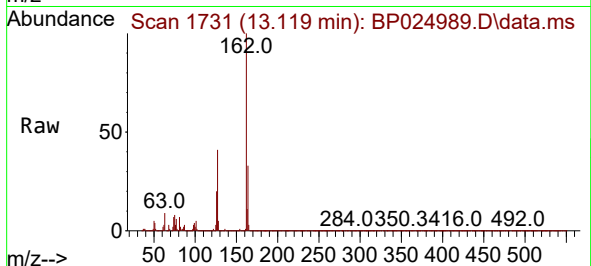




#47
2-Chloronaphthalene
Concen: 49.087 ng
RT: 13.119 min Scan# 1730
Delta R.T. 0.006 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

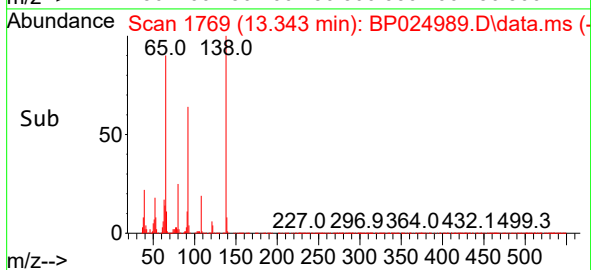
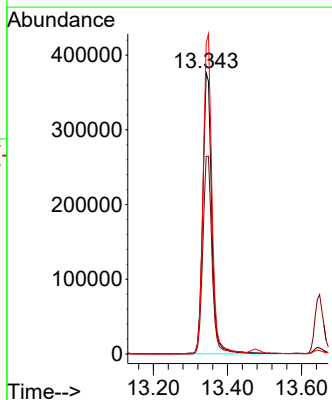
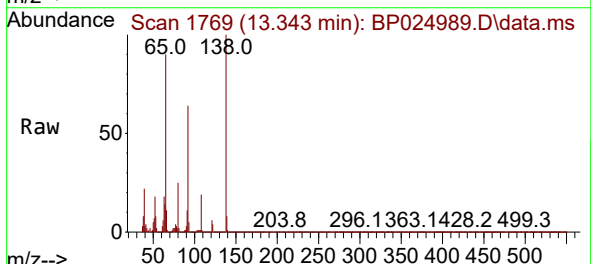
Instrument :
BNA_P
ClientSampleId :
PB168509BS

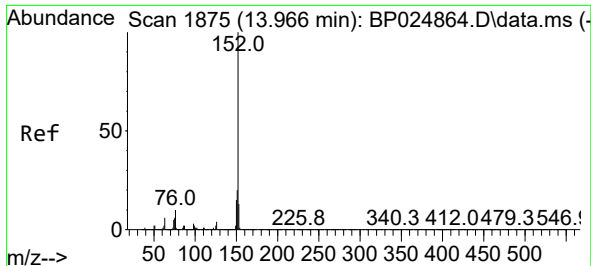
Tgt Ion:162 Resp: 1944096
Ion Ratio Lower Upper
162 100
127 40.8 32.5 48.7
164 32.8 26.2 39.2



#48
2-Nitroaniline
Concen: 51.933 ng
RT: 13.343 min Scan# 1769
Delta R.T. 0.012 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

Tgt Ion: 65 Resp: 632337
Ion Ratio Lower Upper
65 100
92 70.3 56.8 85.2
138 110.6 86.9 130.3

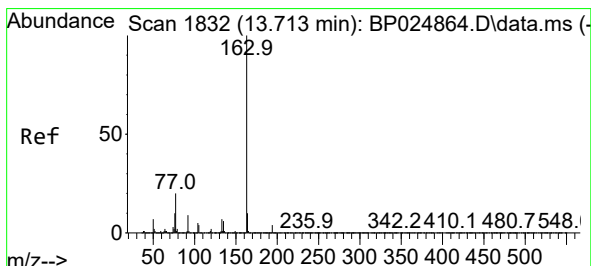
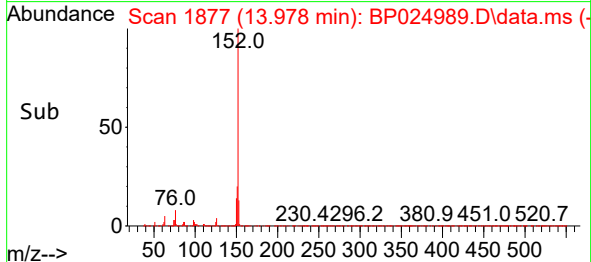
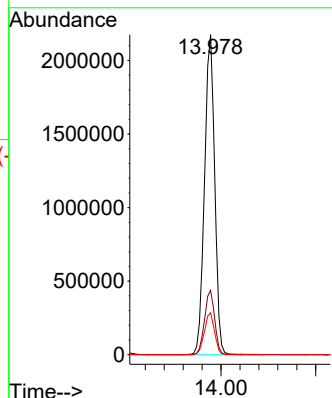
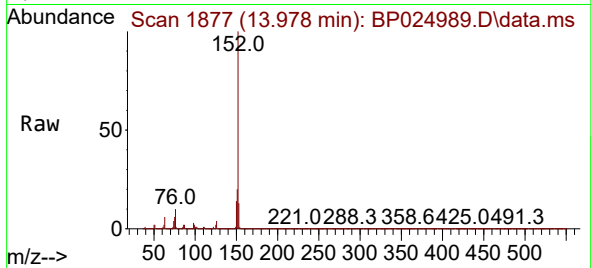




#49
Acenaphthylene
Concen: 48.954 ng
RT: 13.978 min Scan# 1877
Delta R.T. 0.012 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

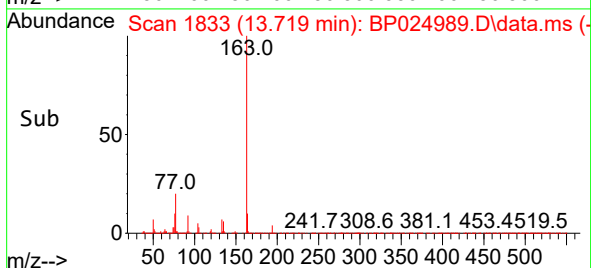
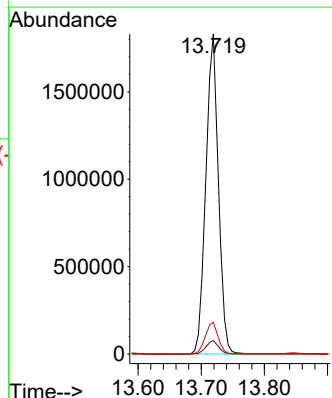
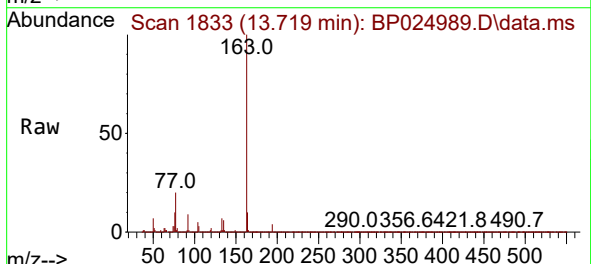
Instrument :
BNA_P
ClientSampleId :
PB168509BS

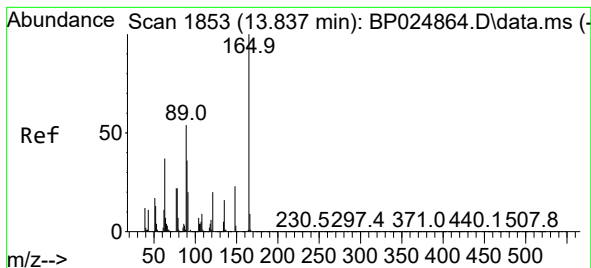
Tgt Ion:152 Resp: 3232731
Ion Ratio Lower Upper
152 100
151 20.1 16.2 24.2
153 13.1 10.6 15.8



#50
Dimethylphthalate
Concen: 48.389 ng
RT: 13.719 min Scan# 1833
Delta R.T. 0.006 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

Tgt Ion:163 Resp: 2531055
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.0
164 9.9 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 50.101 ng

RT: 13.843 min Scan# 1854

Delta R.T. 0.006 min

Lab File: BP024989.D

Acq: 18 Jun 2025 11:17

Instrument :

BNA_P

ClientSampleId :

PB168509BS

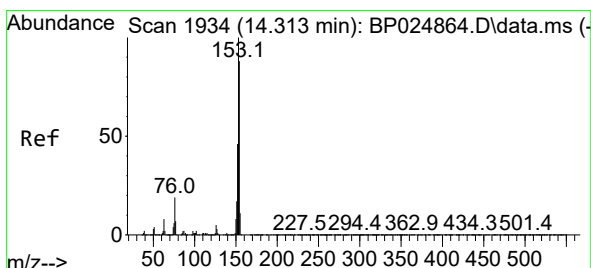
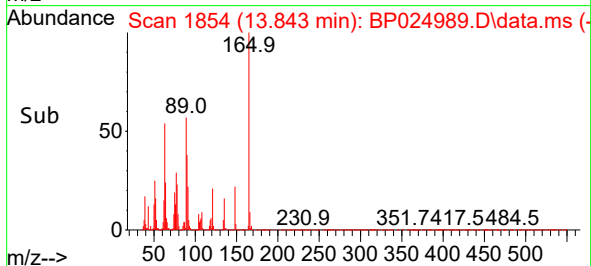
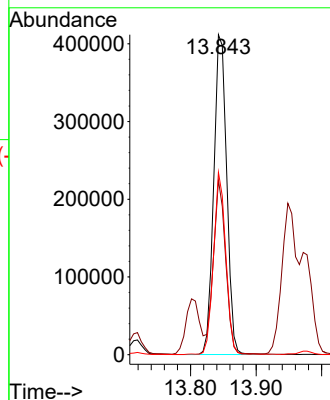
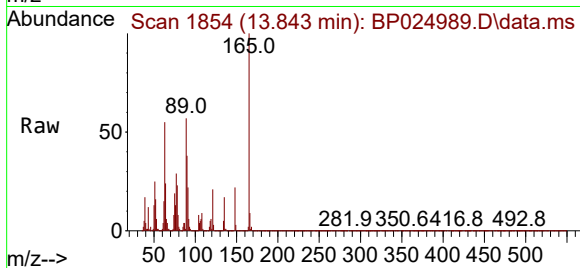
Tgt Ion:165 Resp: 564954

Ion Ratio Lower Upper

165 100

63 54.5 41.8 62.8

89 57.0 43.1 64.7



#52

Acenaphthene

Concen: 48.482 ng

RT: 14.319 min Scan# 1935

Delta R.T. 0.006 min

Lab File: BP024989.D

Acq: 18 Jun 2025 11:17

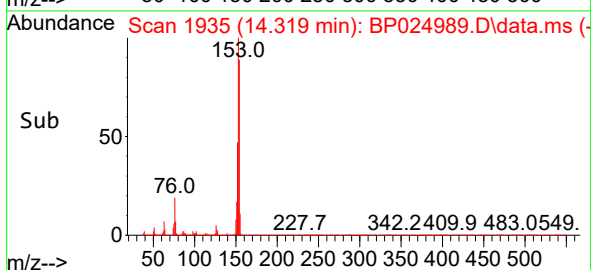
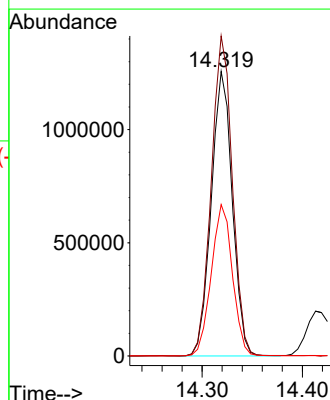
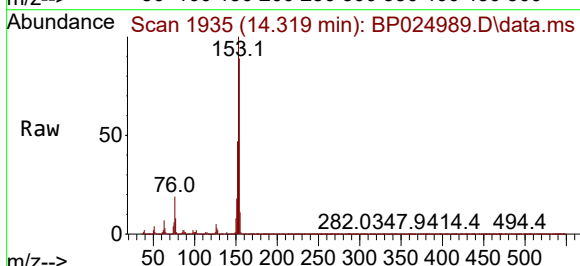
Tgt Ion:154 Resp: 1834580

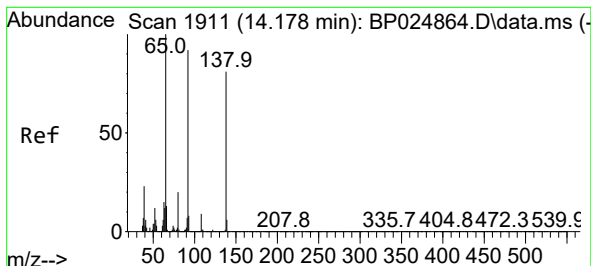
Ion Ratio Lower Upper

154 100

153 112.5 90.5 135.7

152 53.2 42.1 63.1

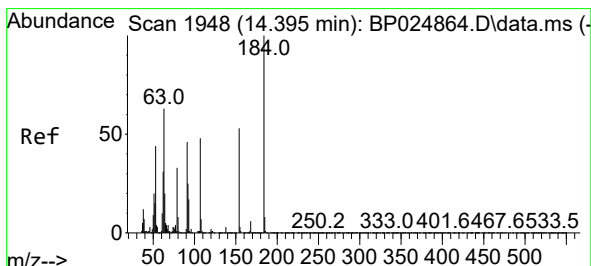
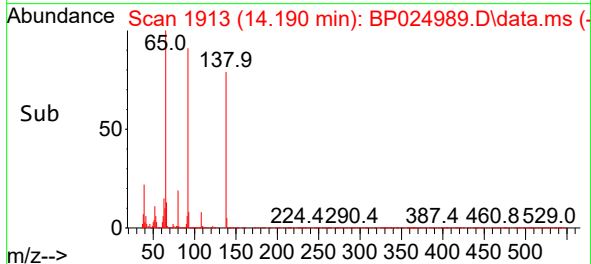
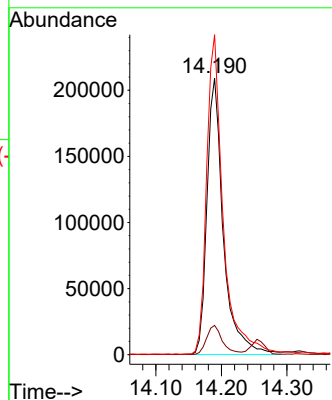
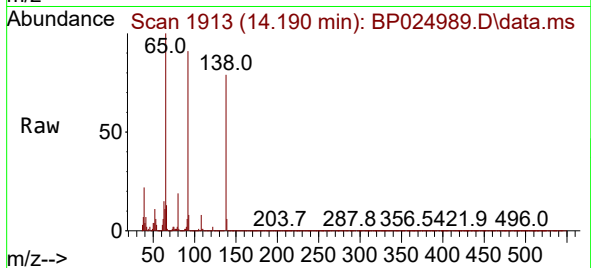




#53
3-Nitroaniline
Concen: 31.033 ng
RT: 14.190 min Scan# 1911
Delta R.T. 0.012 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

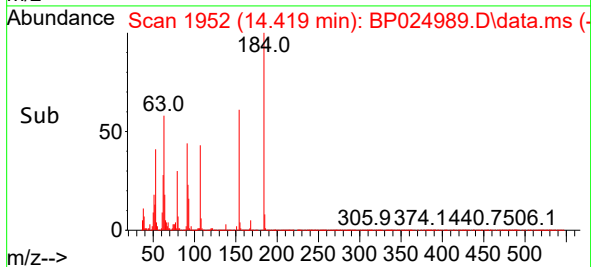
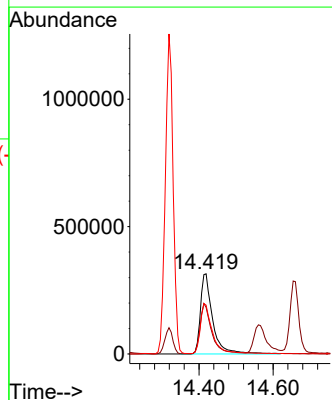
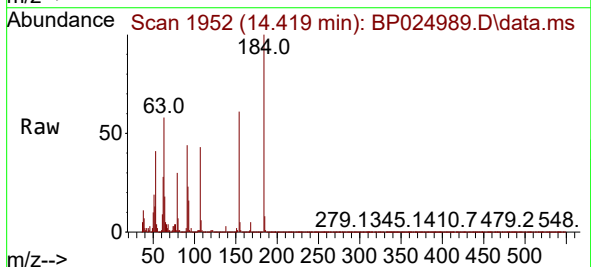
Instrument :
BNA_P
ClientSampleId :
PB168509BS

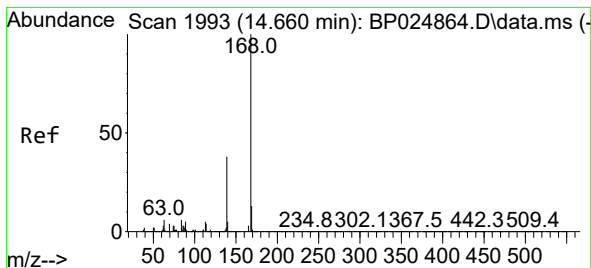
Tgt Ion:138 Resp: 363148
Ion Ratio Lower Upper
138 100
108 10.6 8.6 12.8
92 115.7 91.3 136.9



#54
2,4-Dinitrophenol
Concen: 96.691 ng
RT: 14.419 min Scan# 1952
Delta R.T. 0.024 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

Tgt Ion:184 Resp: 719127
Ion Ratio Lower Upper
184 100
63 58.1 51.0 76.4
154 61.0 51.7 77.5

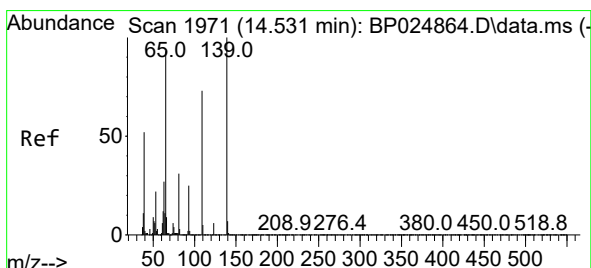
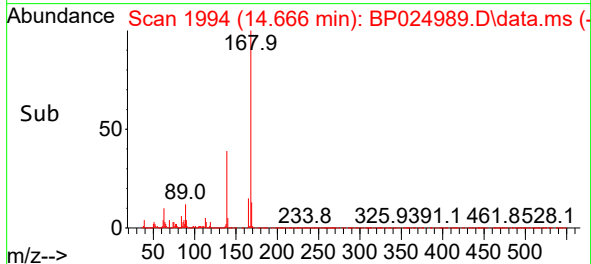
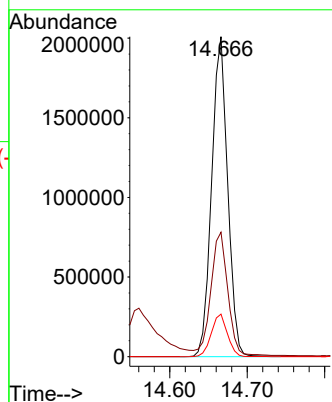
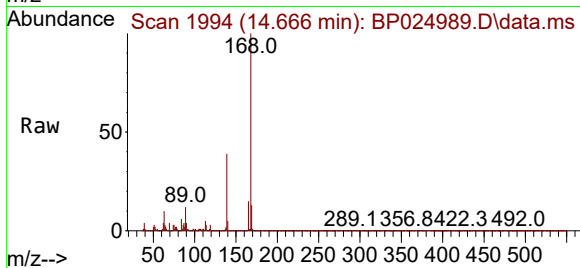




#55
Dibenzenofuran
Concen: 47.378 ng
RT: 14.666 min Scan# 1994
Delta R.T. 0.006 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

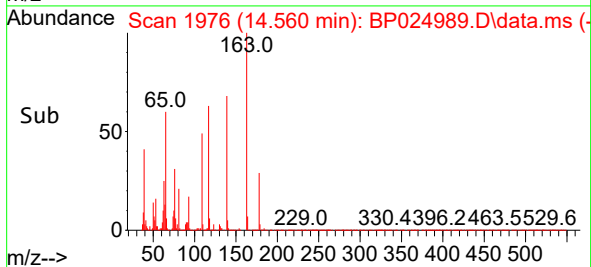
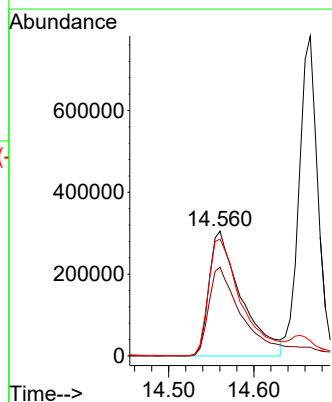
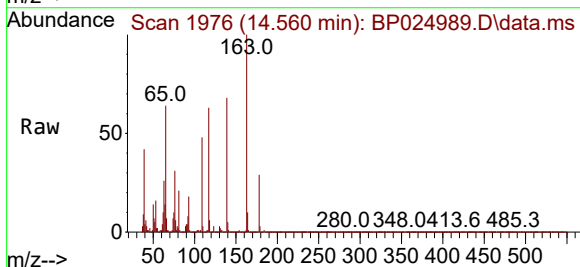
Instrument :
BNA_P
ClientSampleId :
PB168509BS

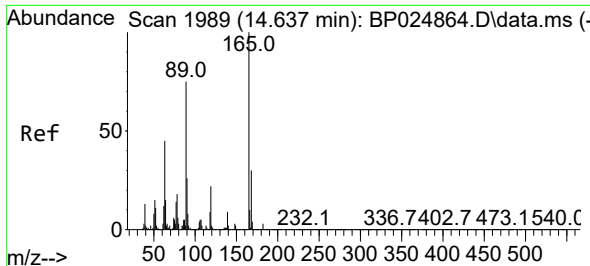
Tgt Ion:168 Resp: 2877777
Ion Ratio Lower Upper
168 100
139 38.9 31.6 47.4
169 13.3 10.6 15.8



#56
4-Nitrophenol
Concen: 80.552 ng
RT: 14.560 min Scan# 1976
Delta R.T. 0.029 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

Tgt Ion:139 Resp: 798417
Ion Ratio Lower Upper
139 100
109 71.2 53.1 93.1
65 93.6 73.0 113.0

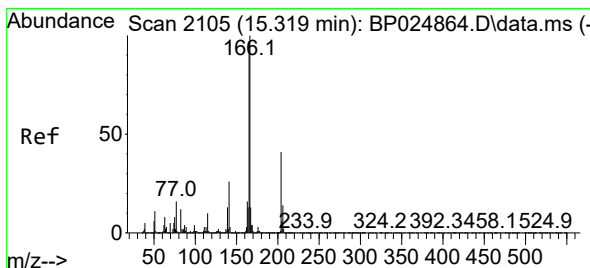
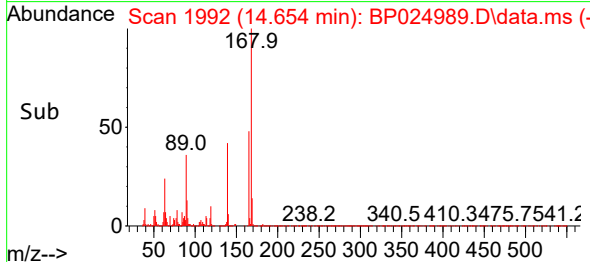
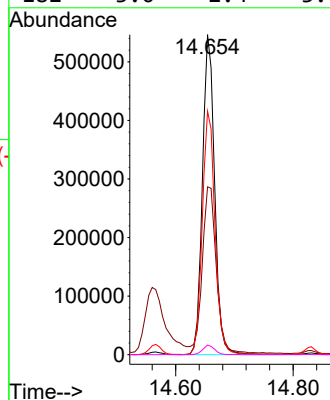
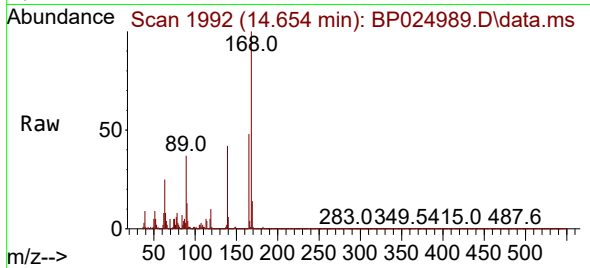




#57
2,4-Dinitrotoluene
Concen: 49.793 ng
RT: 14.654 min Scan# 1989
Delta R.T. 0.017 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

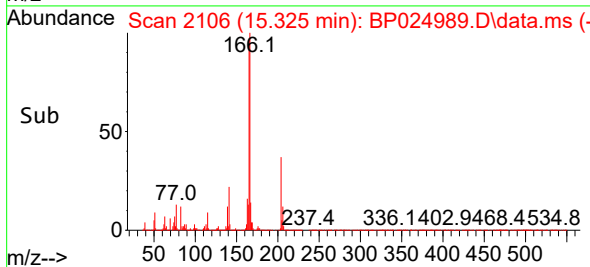
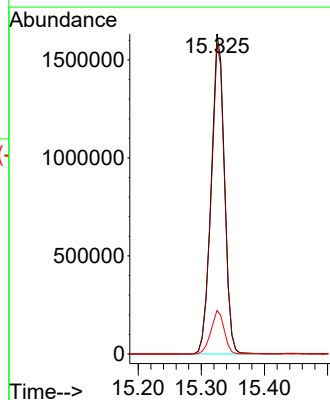
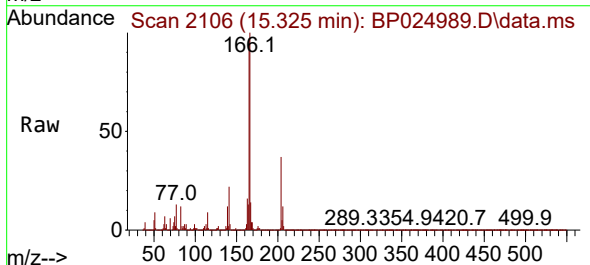
Instrument :
BNA_P
ClientSampleId :
PB168509BS

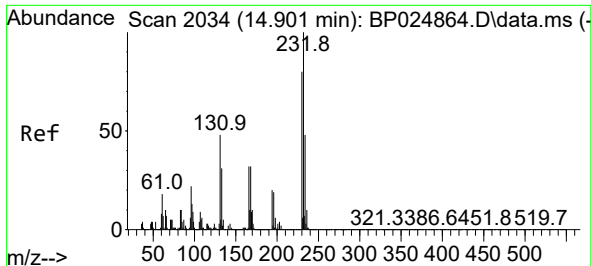
Tgt Ion:165 Resp: 785424
Ion Ratio Lower Upper
165 100
63 52.4 37.0 55.6
89 76.1 60.1 90.1
182 3.0 2.4 3.6



#58
Fluorene
Concen: 48.467 ng
RT: 15.325 min Scan# 2106
Delta R.T. 0.006 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

Tgt Ion:166 Resp: 2378210
Ion Ratio Lower Upper
166 100
165 97.1 77.7 116.5
167 13.6 10.6 16.0

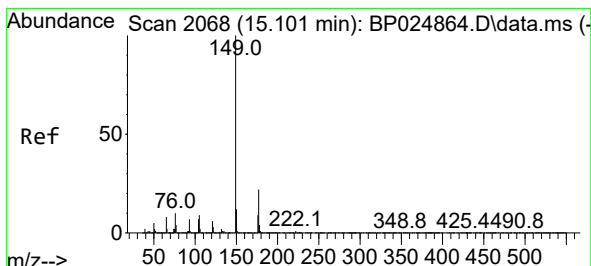
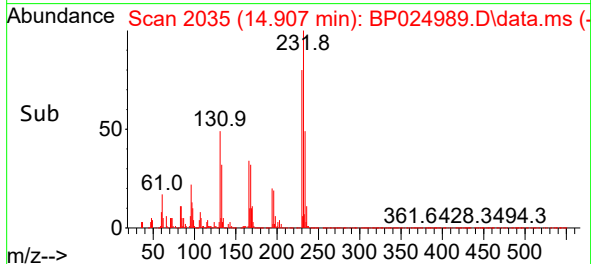
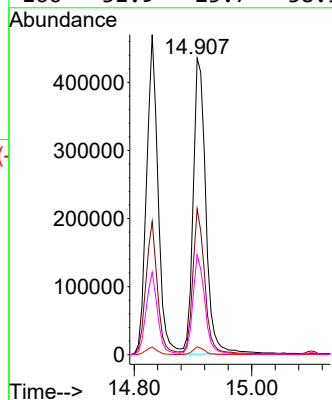
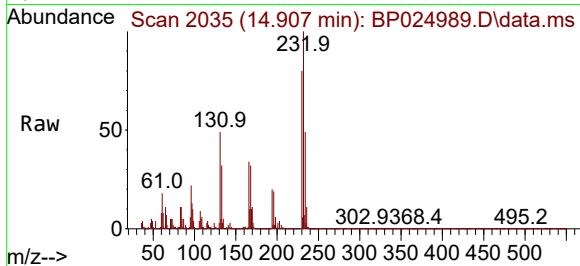




#59
2,3,4,6-Tetrachlorophenol
Concen: 50.209 ng
RT: 14.907 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

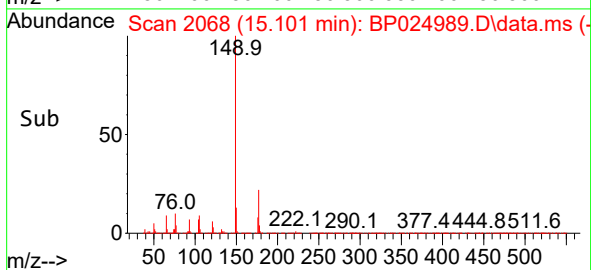
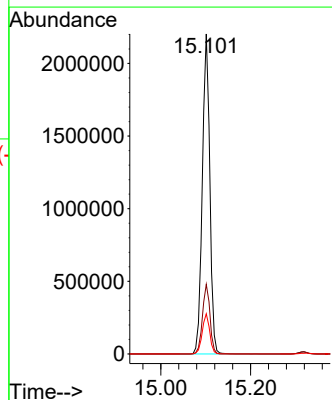
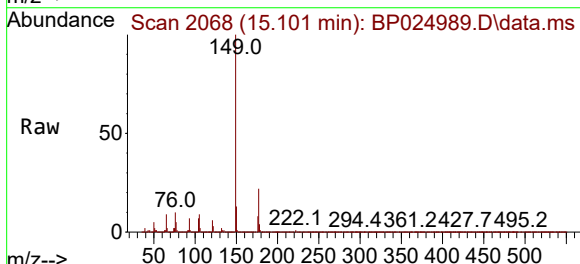
Instrument :
BNA_P
ClientSampleId :
PB168509BS

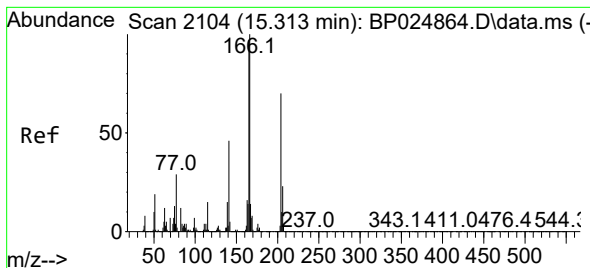
Tgt Ion:232 Resp: 649158
Ion Ratio Lower Upper
232 100
131 46.4 38.2 57.2
130 2.4 2.1 3.1
166 31.9 25.7 38.5



#60
Diethylphthalate
Concen: 48.767 ng
RT: 15.101 min Scan# 2068
Delta R.T. 0.000 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

Tgt Ion:149 Resp: 2542199
Ion Ratio Lower Upper
149 100
177 21.8 17.9 26.9
150 12.6 9.8 14.6

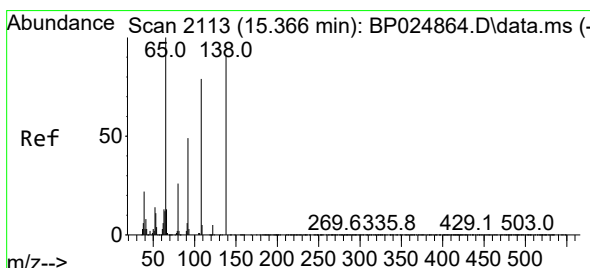
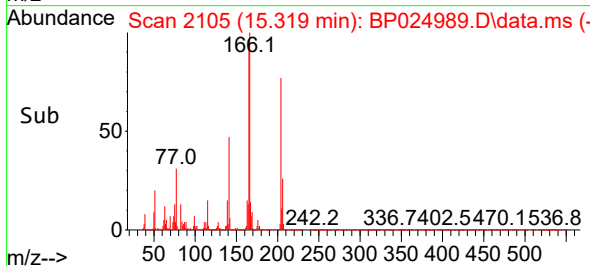
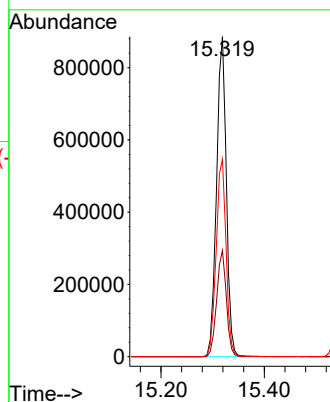
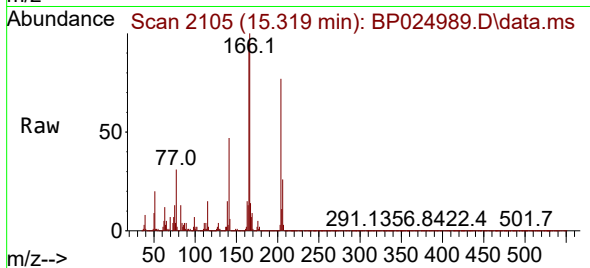




#61
4-Chlorophenyl-phenylether
Concen: 48.537 ng
RT: 15.319 min Scan# 2104
Delta R.T. 0.006 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

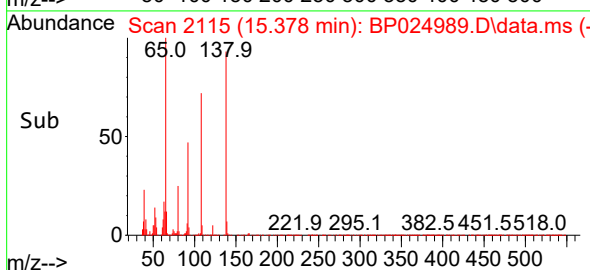
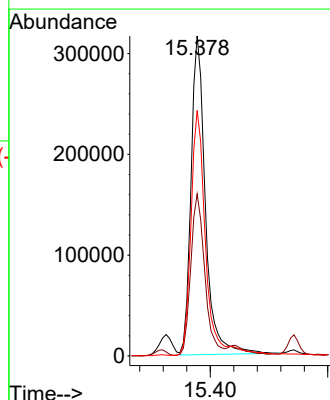
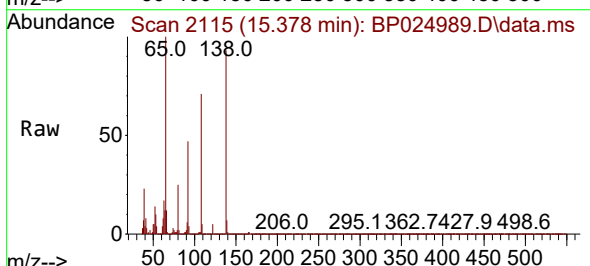
Instrument :
BNA_P
ClientSampleId :
PB168509BS

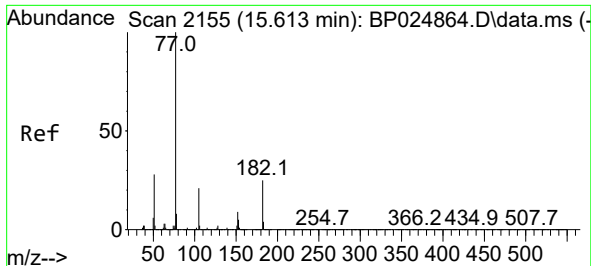
Tgt Ion:204 Resp: 1164492
Ion Ratio Lower Upper
204 100
206 33.2 26.6 40.0
141 61.7 52.4 78.6



#62
4-Nitroaniline
Concen: 50.437 ng
RT: 15.378 min Scan# 2115
Delta R.T. 0.012 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

Tgt Ion:138 Resp: 535159
Ion Ratio Lower Upper
138 100
92 50.6 33.5 73.5
108 76.7 65.1 105.1

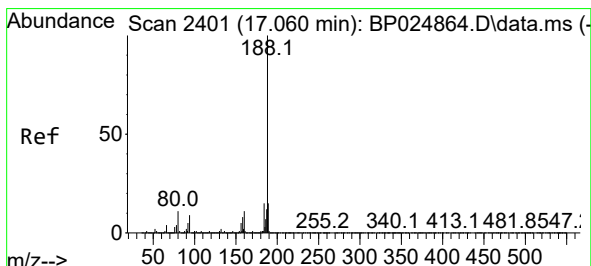
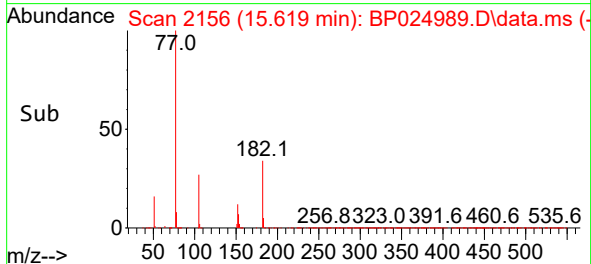
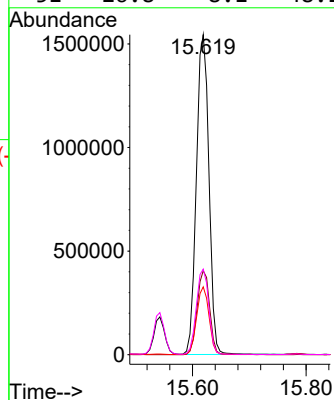
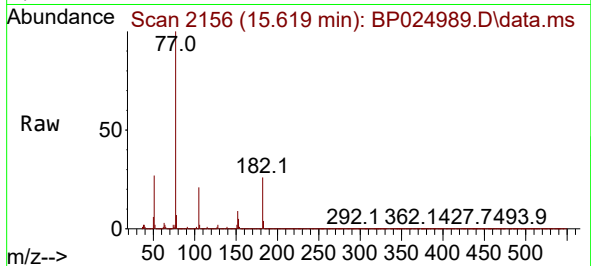




#63
Azobenzene
Concen: 49.580 ng
RT: 15.619 min Scan# 2155
Delta R.T. 0.006 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

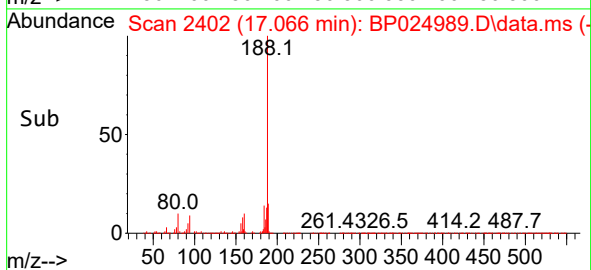
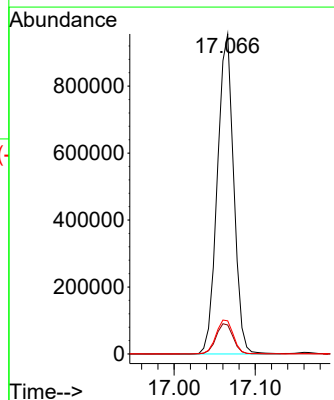
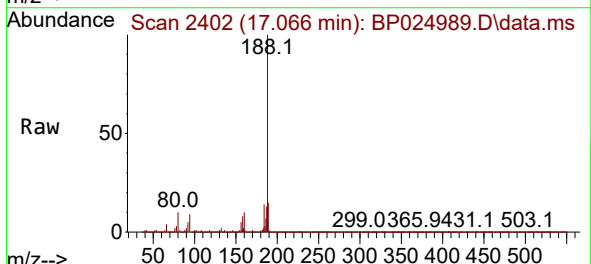
Instrument :
BNA_P
ClientSampleId :
PB168509BS

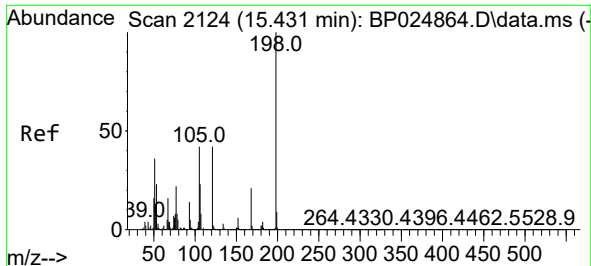
Tgt Ion: 77 Resp: 2370428
Ion Ratio Lower Upper
77 100
182 26.3 5.4 45.4
105 21.2 0.8 40.8
51 26.8 8.1 48.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.066 min Scan# 2402
Delta R.T. 0.006 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

Tgt Ion: 188 Resp: 1338627
Ion Ratio Lower Upper
188 100
94 9.0 7.3 10.9
80 10.4 8.5 12.7

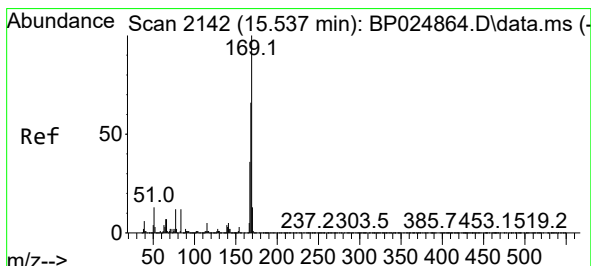
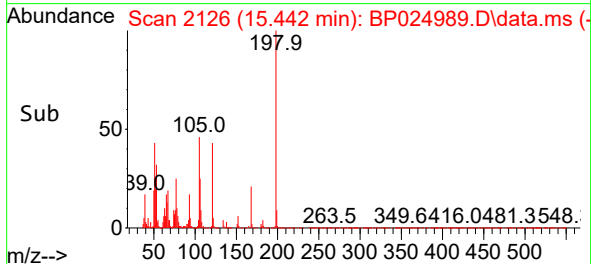
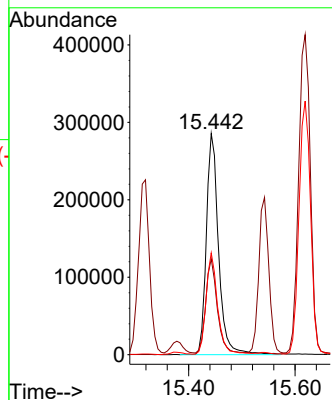
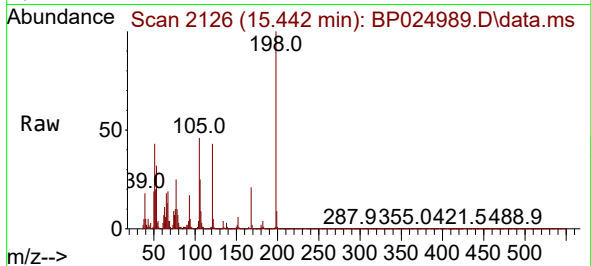




#65
4,6-Dinitro-2-methylphenol
Concen: 51.485 ng
RT: 15.442 min Scan# 2126
Delta R.T. 0.012 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

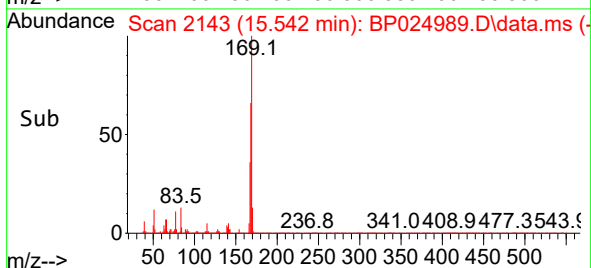
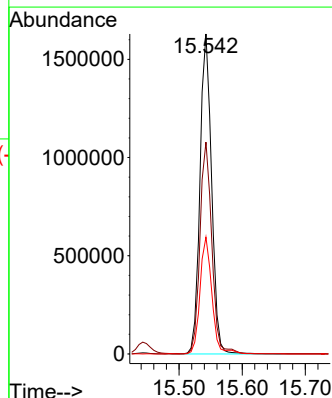
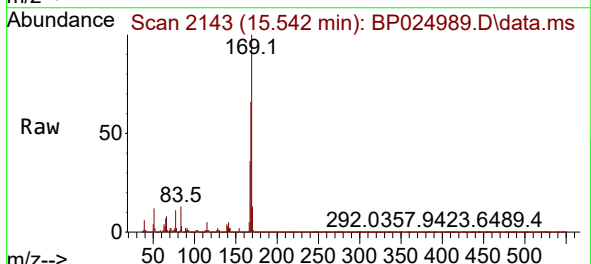
Instrument :
BNA_P
ClientSampleId :
PB168509BS

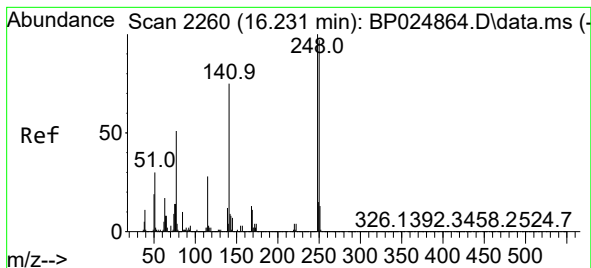
Tgt Ion:198 Resp: 452862
Ion Ratio Lower Upper
198 100
51 43.3 19.2 59.2
105 46.0 22.6 62.6



#66
n-Nitrosodiphenylamine
Concen: 49.996 ng
RT: 15.542 min Scan# 2143
Delta R.T. 0.006 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

Tgt Ion:169 Resp: 2074398
Ion Ratio Lower Upper
169 100
168 66.2 53.0 79.6
167 36.5 28.6 43.0

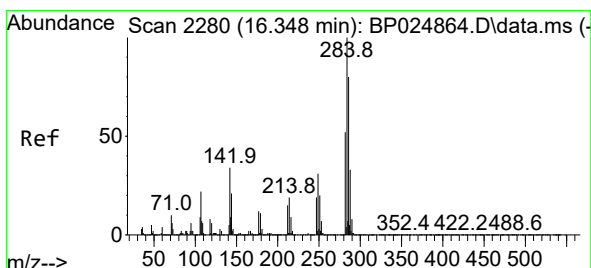
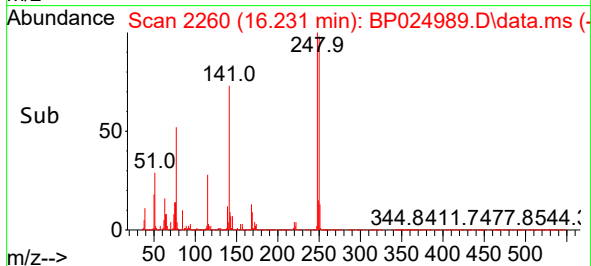
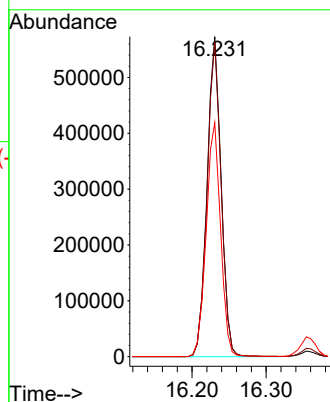
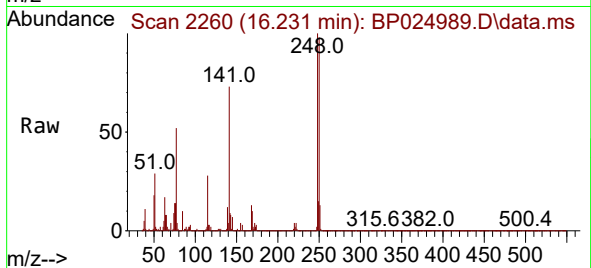




#67
4-Bromophenyl-phenylether
Concen: 50.254 ng
RT: 16.231 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

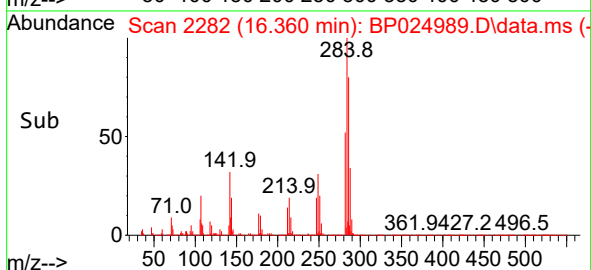
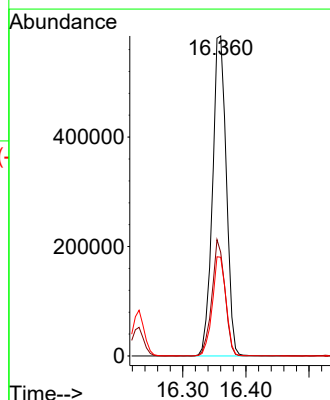
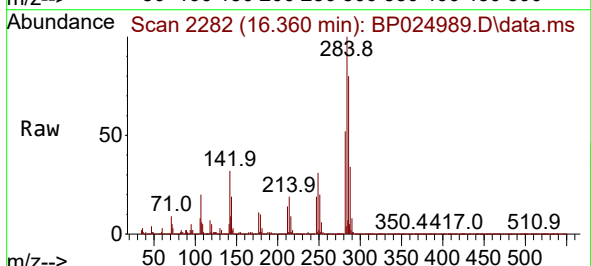
Instrument :
BNA_P
ClientSampleId :
PB168509BS

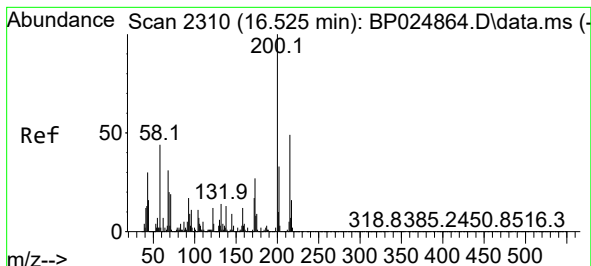
Tgt Ion:248 Resp: 759046
Ion Ratio Lower Upper
248 100
250 98.5 77.4 116.2
141 73.1 59.9 89.9



#68
Hexachlorobenzene
Concen: 48.456 ng
RT: 16.360 min Scan# 2282
Delta R.T. 0.012 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

Tgt Ion:284 Resp: 887262
Ion Ratio Lower Upper
284 100
142 32.4 27.0 40.6
249 30.9 25.0 37.6





#69

Atrazine

Concen: 50.734 ng

RT: 16.525 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP024989.D

Acq: 18 Jun 2025 11:17

Instrument :

BNA_P

ClientSampleId :

PB168509BS

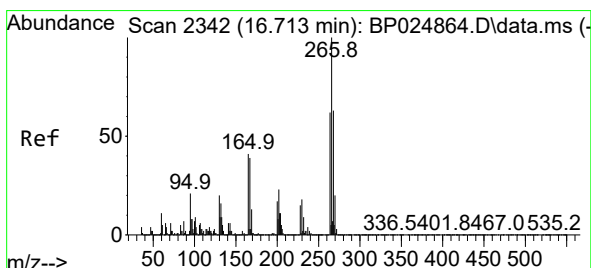
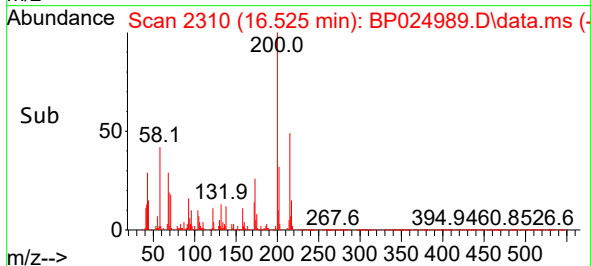
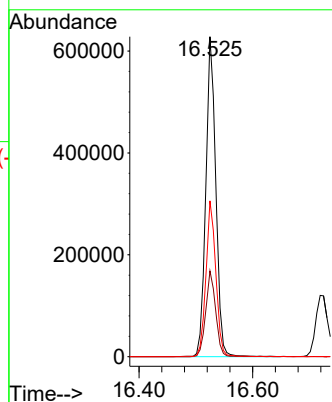
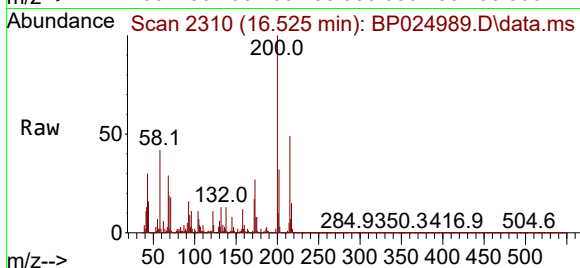
Tgt Ion:200 Resp: 763110

Ion Ratio Lower Upper

200 100

173 26.8 6.9 46.9

215 48.7 28.7 68.7



#70

Pentachlorophenol

Concen: 114.283 ng

RT: 16.725 min Scan# 2344

Delta R.T. 0.012 min

Lab File: BP024989.D

Acq: 18 Jun 2025 11:17

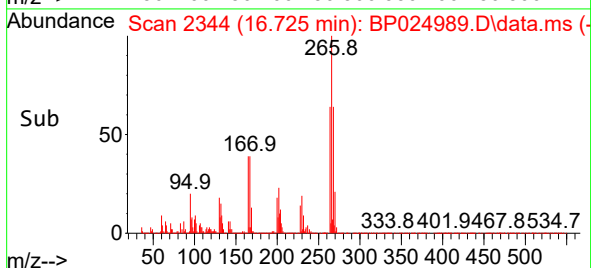
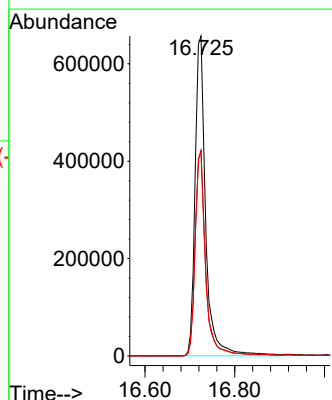
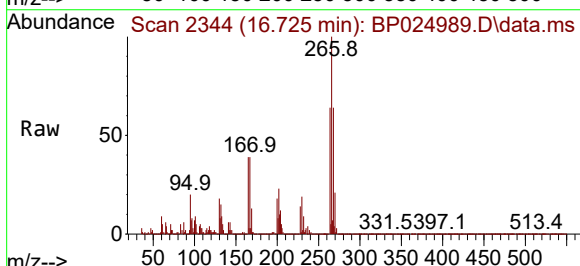
Tgt Ion:266 Resp: 1083016

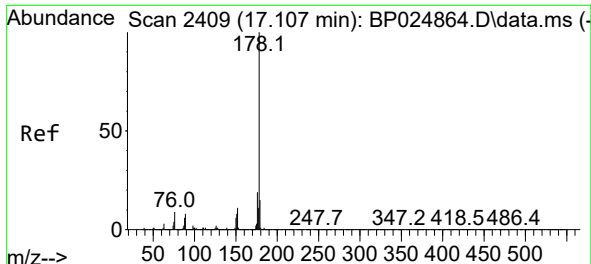
Ion Ratio Lower Upper

266 100

268 64.2 50.6 76.0

264 64.0 49.7 74.5

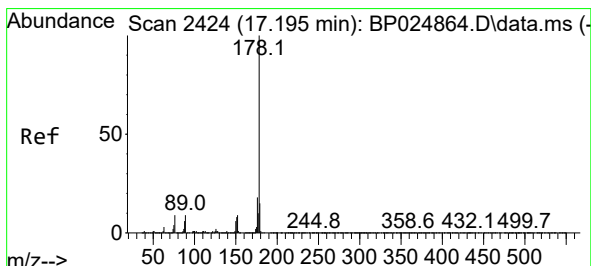
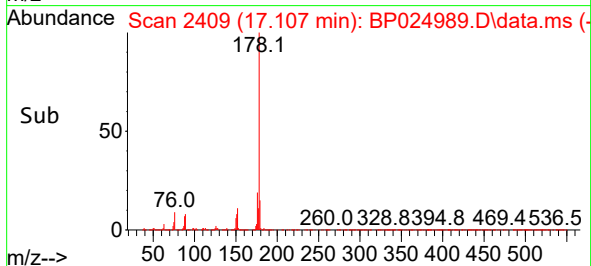
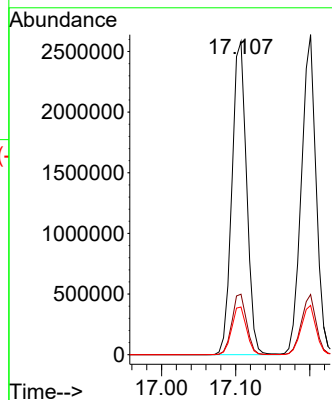
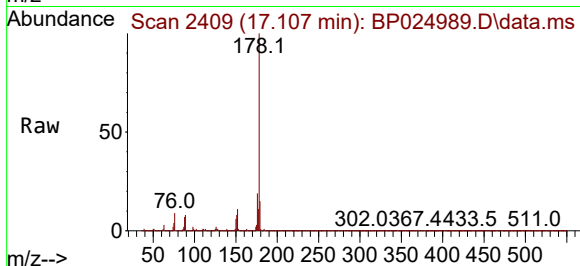




#71
Phenanthrene
Concen: 47.934 ng
RT: 17.107 min Scan# 2409
Delta R.T. 0.000 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

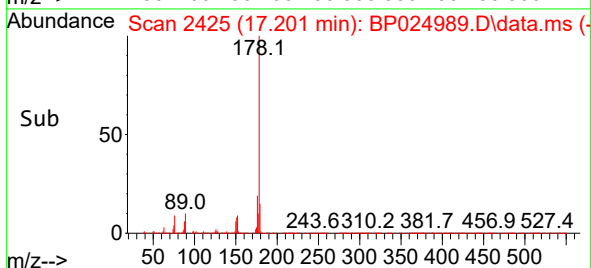
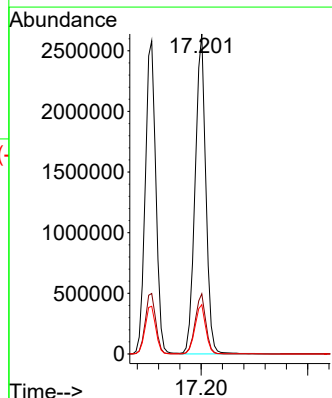
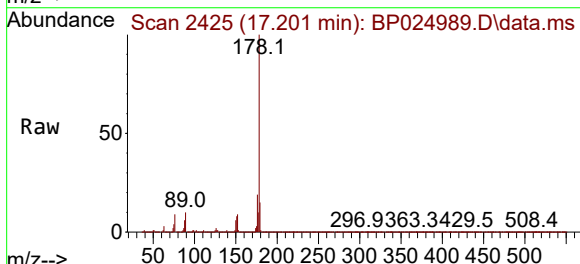
Instrument :
BNA_P
ClientSampleId :
PB168509BS

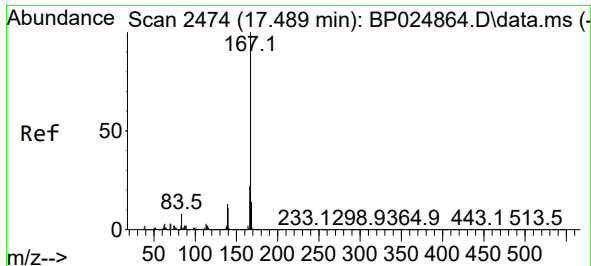
Tgt Ion:178 Resp: 3545911
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.2 12.1 18.1



#72
Anthracene
Concen: 48.891 ng
RT: 17.201 min Scan# 2425
Delta R.T. 0.006 min
Lab File: BP024989.D
Acq: 18 Jun 2025 11:17

Tgt Ion:178 Resp: 3662891
Ion Ratio Lower Upper
178 100
176 18.8 14.7 22.1
179 15.4 12.3 18.5

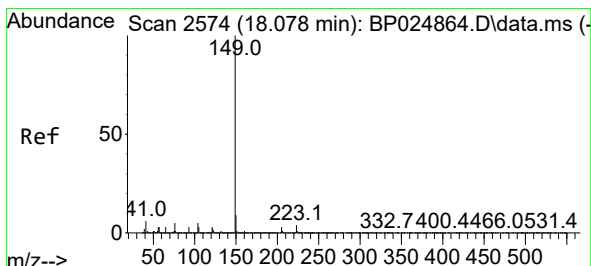
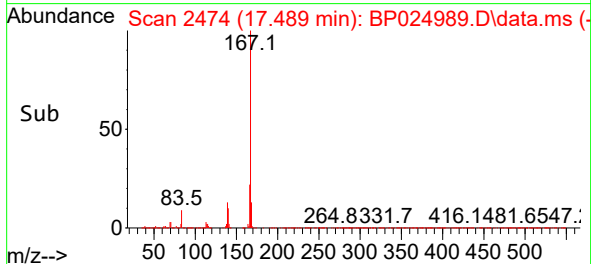
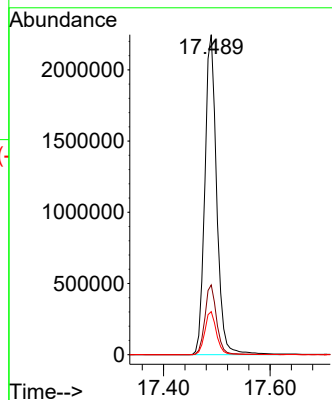
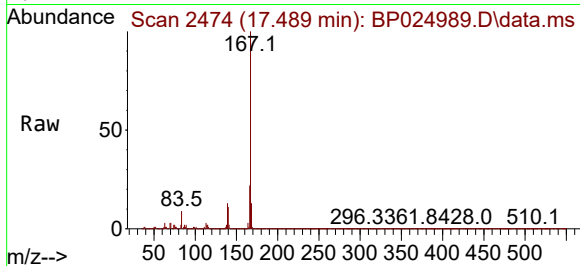




#73
 Carbazole
 Concen: 49.724 ng
 RT: 17.489 min Scan# 2474
 Delta R.T. 0.000 min
 Lab File: BP024989.D
 Acq: 18 Jun 2025 11:17

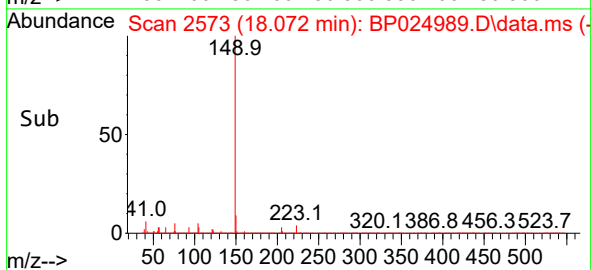
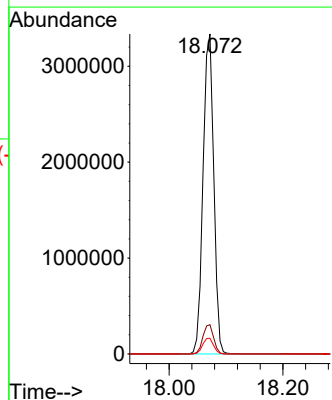
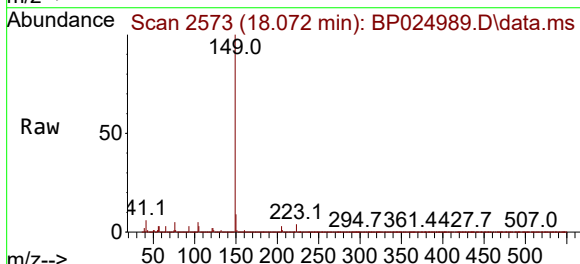
Instrument :
 BNA_P
 ClientSampleId :
 PB168509BS

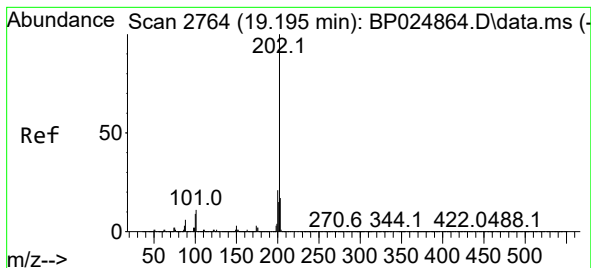
Tgt Ion:167 Resp: 3452964
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.3 25.9
 139 13.5 10.8 16.2



#74
 Di-n-butylphthalate
 Concen: 50.592 ng
 RT: 18.072 min Scan# 2573
 Delta R.T. -0.006 min
 Lab File: BP024989.D
 Acq: 18 Jun 2025 11:17

Tgt Ion:149 Resp: 4352822
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.4 11.2
 104 4.9 4.2 6.2





#75

Fluoranthene

Concen: 47.759 ng

RT: 19.195 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP024989.D

Acq: 18 Jun 2025 11:17

Instrument :

BNA_P

ClientSampleId :

PB168509BS

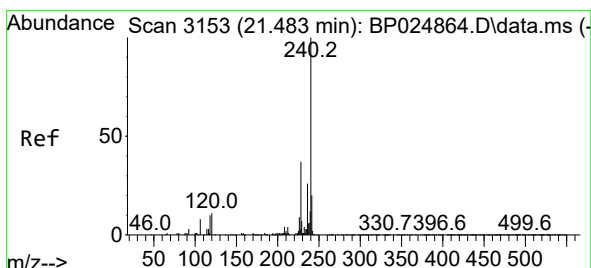
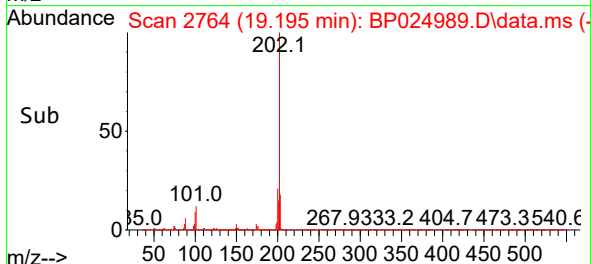
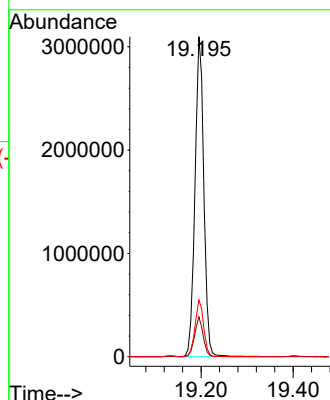
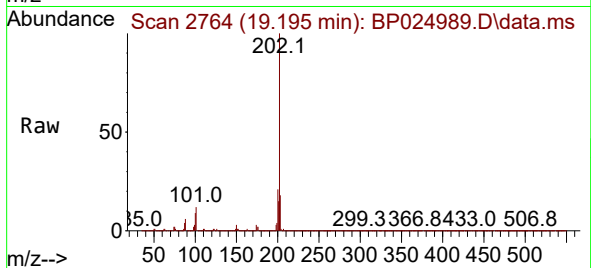
Tgt Ion:202 Resp: 4094838

Ion Ratio Lower Upper

202 100

101 12.5 0.0 31.4

203 17.7 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.495 min Scan# 3155

Delta R.T. 0.012 min

Lab File: BP024989.D

Acq: 18 Jun 2025 11:17

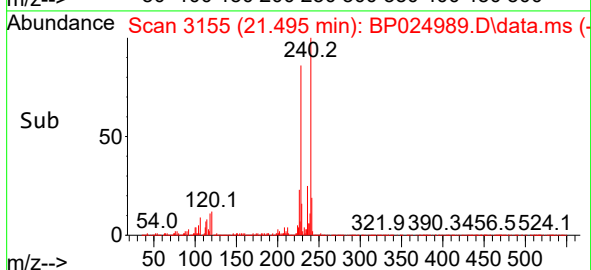
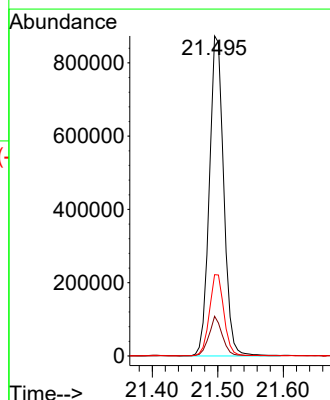
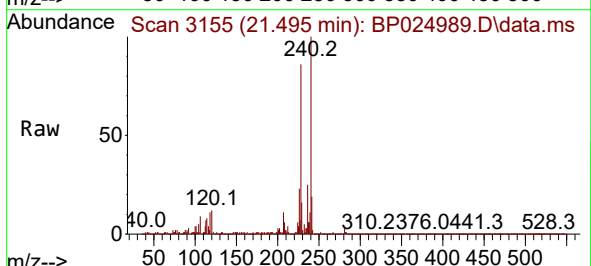
Tgt Ion:240 Resp: 1331587

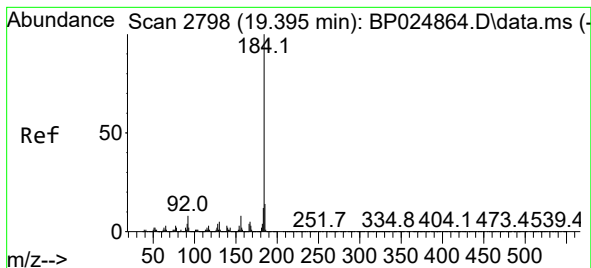
Ion Ratio Lower Upper

240 100

120 12.4 8.9 13.3

236 25.4 20.9 31.3





#77

Benzidine

Concen: 48.090 ng

RT: 19.401 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP024989.D

Acq: 18 Jun 2025 11:17

Instrument :

BNA_P

ClientSampleId :

PB168509BS

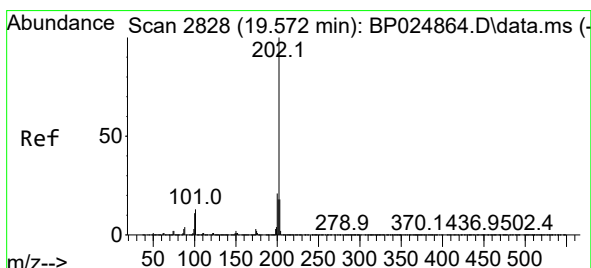
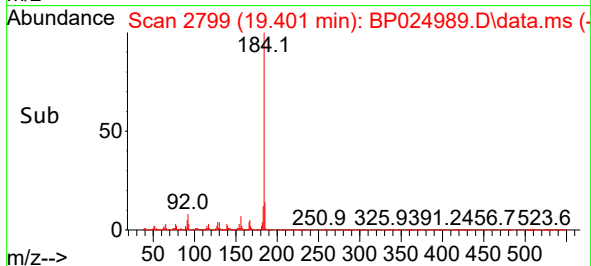
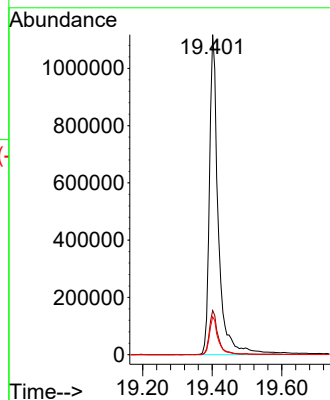
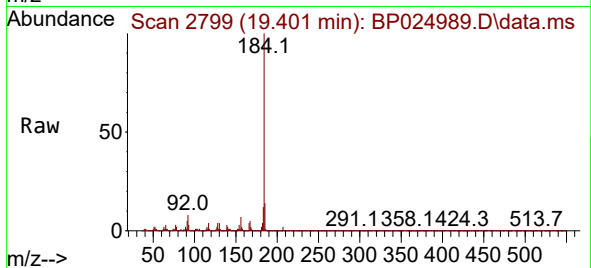
Tgt Ion:184 Resp: 1983301

Ion Ratio Lower Upper

184 100

185 13.8 11.4 17.0

183 11.8 9.5 14.3



#78

Pyrene

Concen: 50.463 ng

RT: 19.578 min Scan# 2829

Delta R.T. 0.006 min

Lab File: BP024989.D

Acq: 18 Jun 2025 11:17

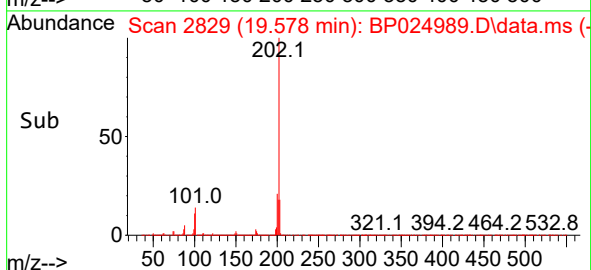
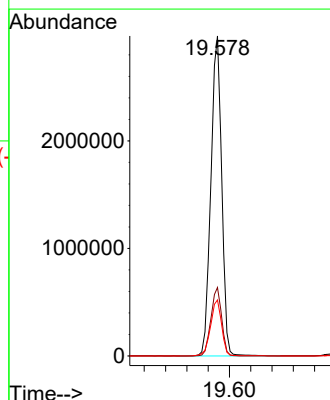
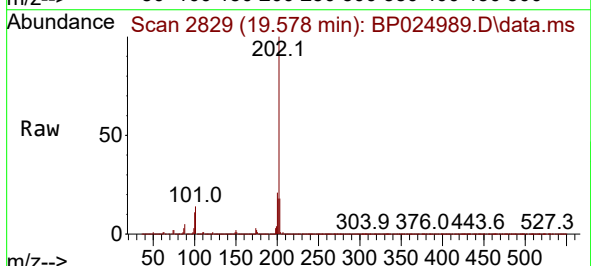
Tgt Ion:202 Resp: 4198037

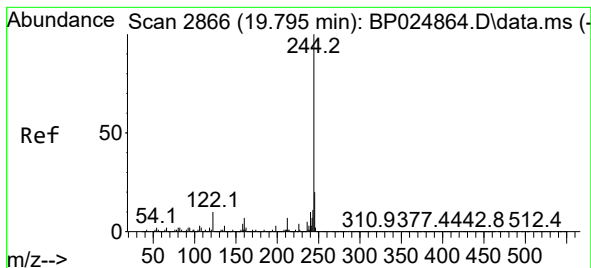
Ion Ratio Lower Upper

202 100

200 21.4 17.1 25.7

203 17.5 14.0 21.0





#79

Terphenyl-d14

Concen: 88.858 ng

RT: 19.789 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP024989.D

Acq: 18 Jun 2025 11:17

Instrument :

BNA_P

ClientSampleId :

PB168509BS

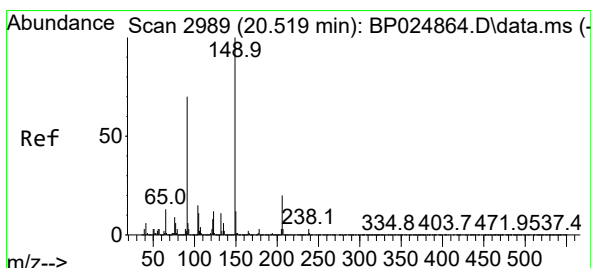
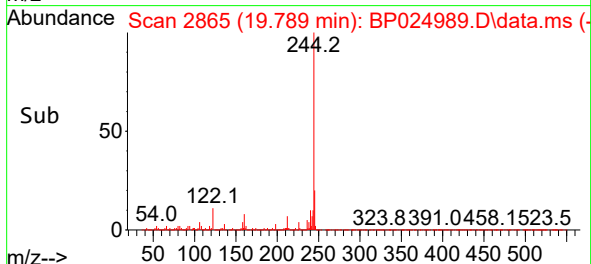
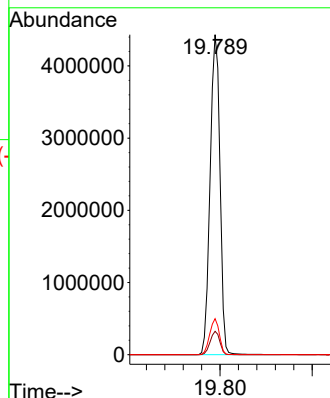
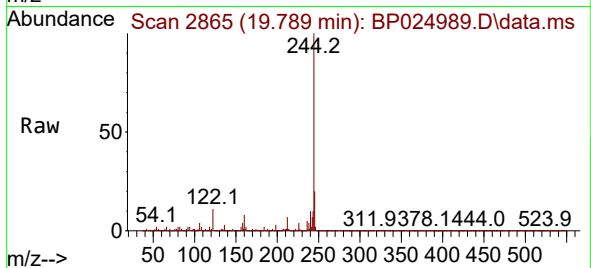
Tgt Ion:244 Resp: 6601913

Ion Ratio Lower Upper

244 100

212 7.3 5.6 8.4

122 11.3 7.7 11.5



#80

Butylbenzylphthalate

Concen: 53.514 ng

RT: 20.519 min Scan# 2989

Delta R.T. 0.000 min

Lab File: BP024989.D

Acq: 18 Jun 2025 11:17

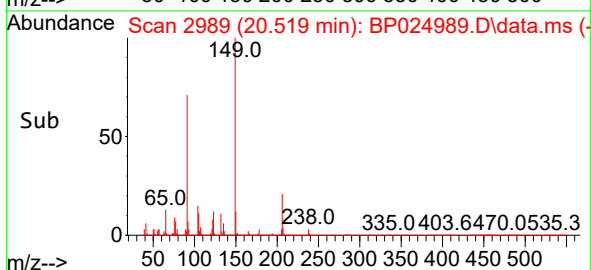
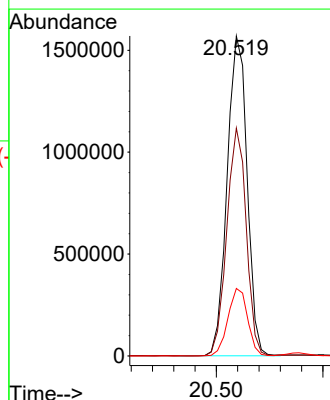
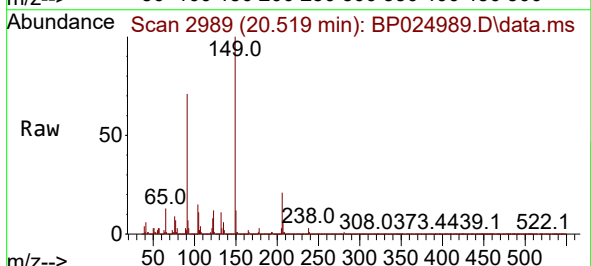
Tgt Ion:149 Resp: 2039190

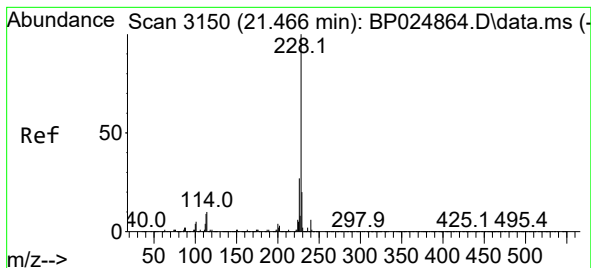
Ion Ratio Lower Upper

149 100

91 71.2 55.8 83.8

206 21.1 16.2 24.2





#81

Benzo(a)anthracene

Concen: 49.882 ng

RT: 21.477 min Scan# 3150

Delta R.T. 0.012 min

Lab File: BP024989.D

Acq: 18 Jun 2025 11:17

Instrument :

BNA_P

ClientSampleId :

PB168509BS

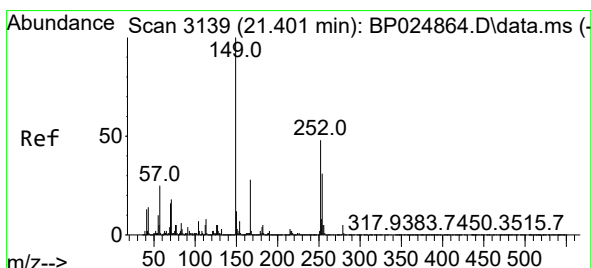
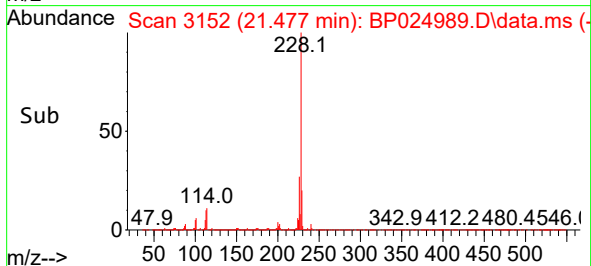
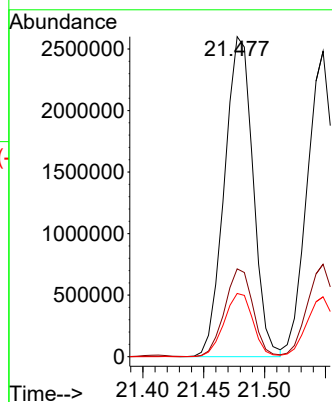
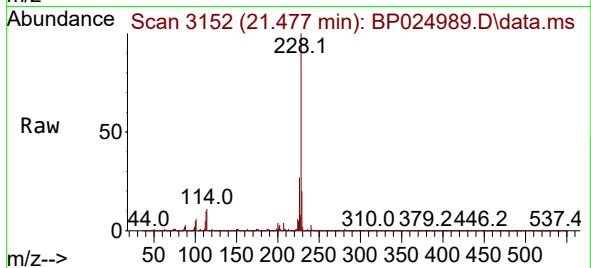
Tgt Ion:228 Resp: 4248221

Ion Ratio Lower Upper

228 100

226 27.4 22.1 33.1

229 19.8 15.9 23.9



#82

3,3'-Dichlorobenzidine

Concen: 34.212 ng

RT: 21.413 min Scan# 3141

Delta R.T. 0.012 min

Lab File: BP024989.D

Acq: 18 Jun 2025 11:17

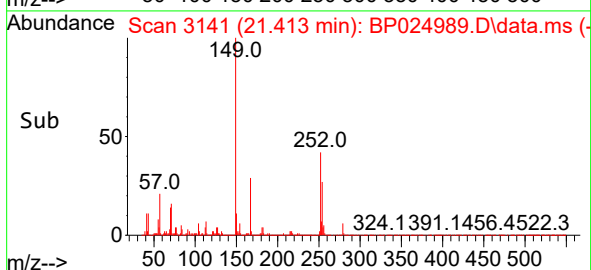
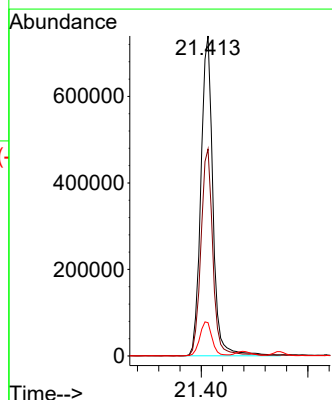
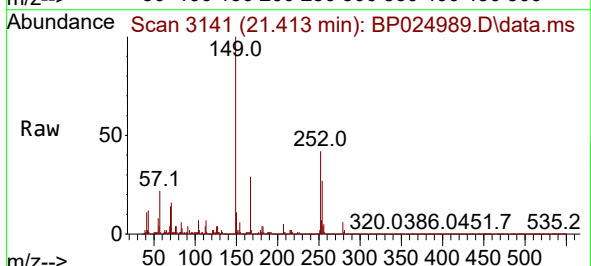
Tgt Ion:252 Resp: 1156750

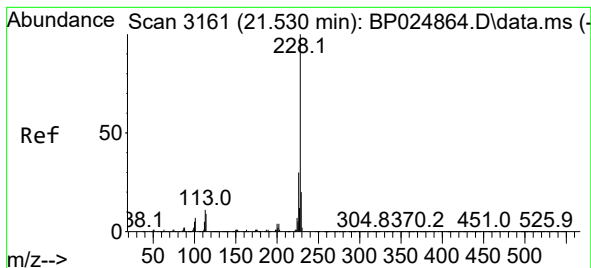
Ion Ratio Lower Upper

252 100

254 64.7 51.2 76.8

126 10.4 8.6 12.8





#83

Chrysene

Concen: 49.836 ng

RT: 21.548 min Scan# 3164

Delta R.T. 0.018 min

Lab File: BP024989.D

Acq: 18 Jun 2025 11:17

Instrument :

BNA_P

ClientSampleId :

PB168509BS

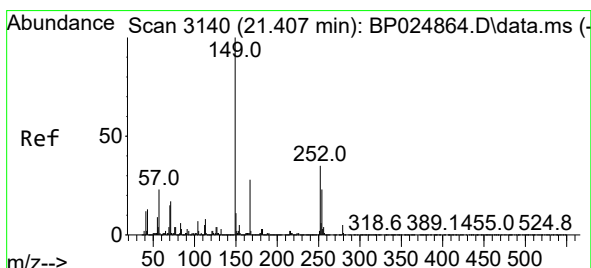
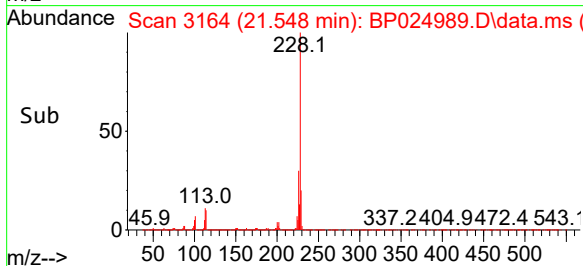
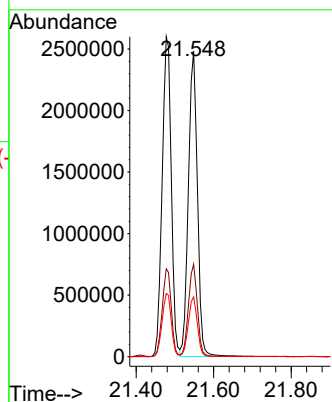
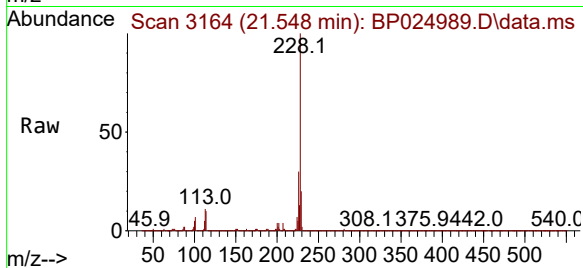
Tgt Ion:228 Resp: 4021634

Ion Ratio Lower Upper

228 100

226 30.3 23.8 35.6

229 19.6 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 54.542 ng

RT: 21.407 min Scan# 3140

Delta R.T. 0.000 min

Lab File: BP024989.D

Acq: 18 Jun 2025 11:17

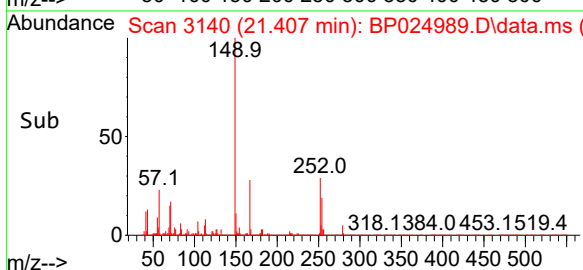
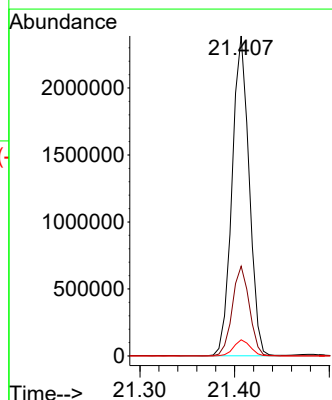
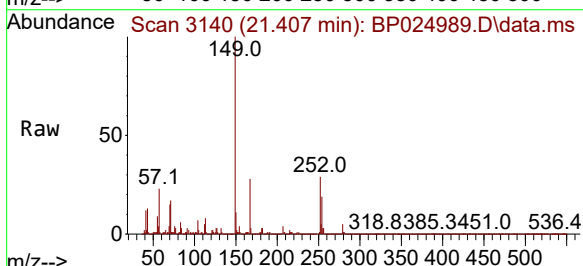
Tgt Ion:149 Resp: 2977758

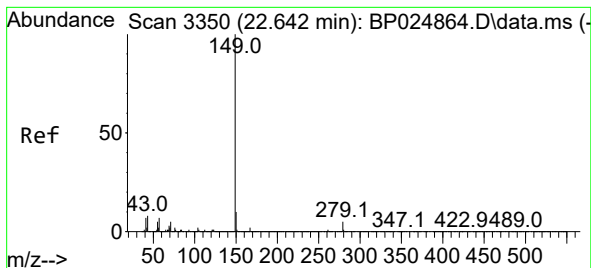
Ion Ratio Lower Upper

149 100

167 28.1 22.2 33.4

279 5.0 4.0 6.0





#85

Di-n-octyl phthalate

Concen: 54.040 ng

RT: 22.648 min Scan# 31

Delta R.T. 0.006 min

Lab File: BP024989.D

Acq: 18 Jun 2025 11:17

Instrument :

BNA_P

ClientSampleId :

PB168509BS

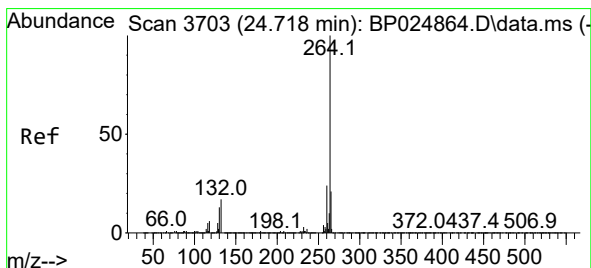
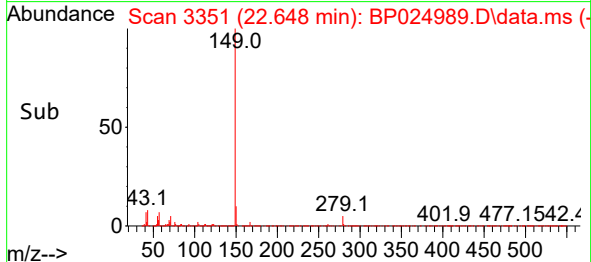
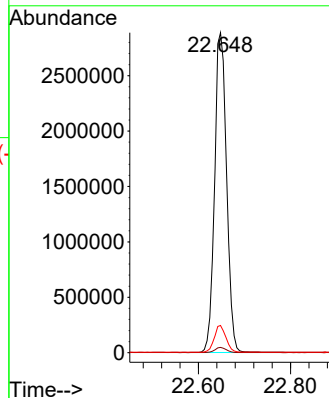
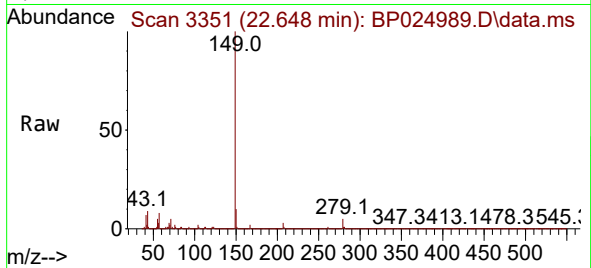
Tgt Ion:149 Resp: 5200346

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 8.2 6.6 10.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.777 min Scan# 3713

Delta R.T. 0.059 min

Lab File: BP024989.D

Acq: 18 Jun 2025 11:17

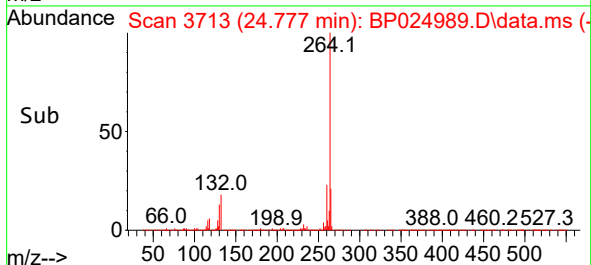
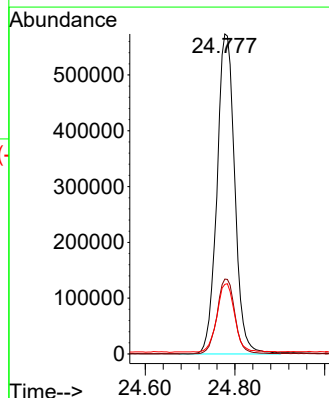
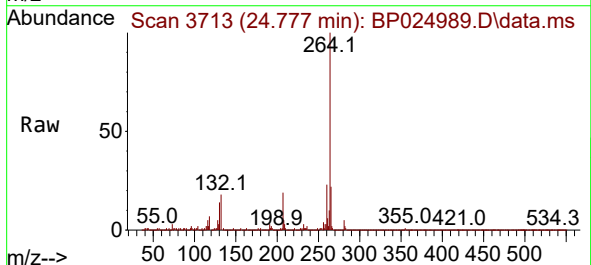
Tgt Ion:264 Resp: 1579124

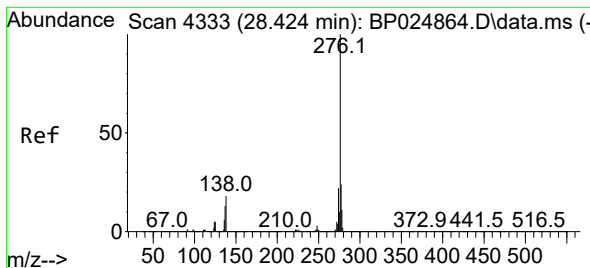
Ion Ratio Lower Upper

264 100

260 23.4 19.0 28.4

265 21.8 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 48.537 ng

RT: 28.495 min Scan# 41

Delta R.T. 0.071 min

Lab File: BP024989.D

Acq: 18 Jun 2025 11:17

Instrument :

BNA_P

ClientSampleId :

PB168509BS

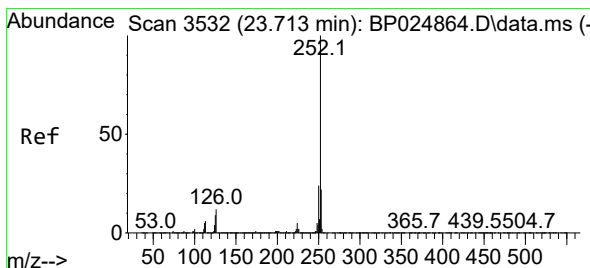
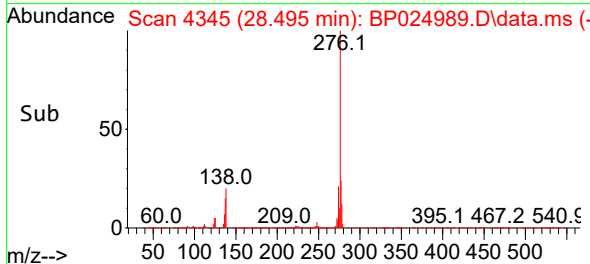
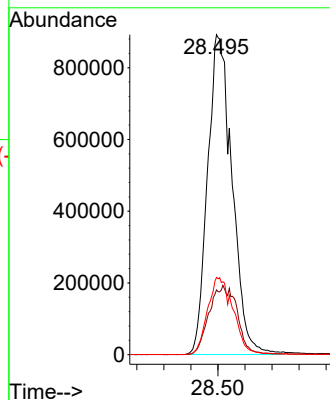
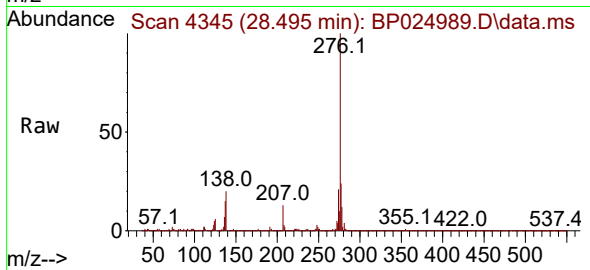
Tgt Ion:276 Resp: 5592265

Ion Ratio Lower Upper

276 100

138 0.0 18.6 27.8#

277 25.3 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 48.257 ng m

RT: 23.730 min Scan# 3535

Delta R.T. 0.018 min

Lab File: BP024989.D

Acq: 18 Jun 2025 11:17

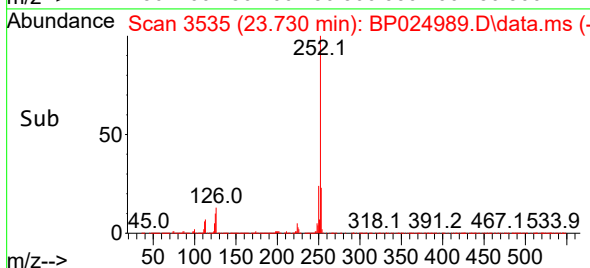
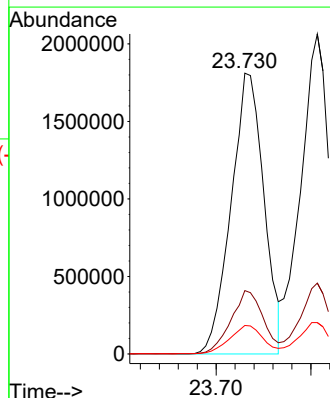
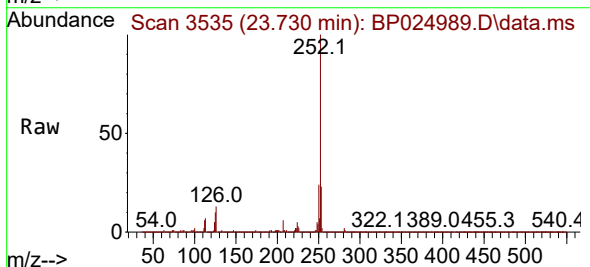
Tgt Ion:252 Resp: 4361125

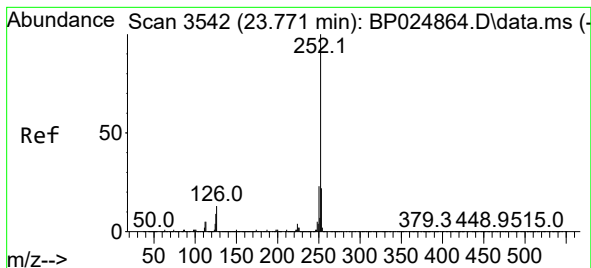
Ion Ratio Lower Upper

252 100

253 22.6 17.6 26.4

125 10.1 7.1 10.7





#89

Benzo(k)fluoranthene

Concen: 49.882 ng

RT: 23.807 min Scan# 31

Delta R.T. 0.035 min

Lab File: BP024989.D

Acq: 18 Jun 2025 11:17

Instrument :

BNA_P

ClientSampleId :

PB168509BS

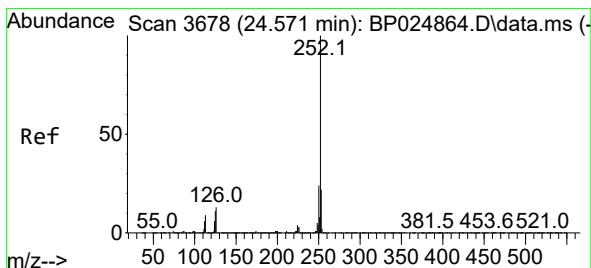
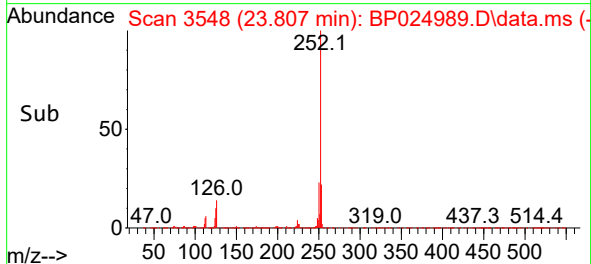
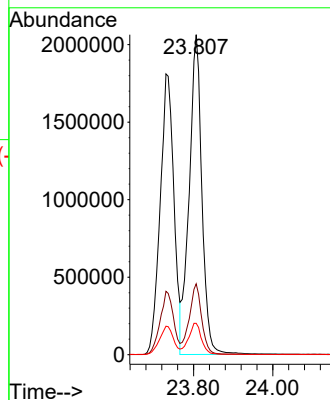
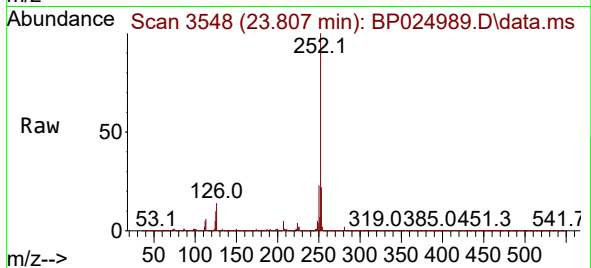
Tgt Ion:252 Resp: 4588751

Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

125 9.8 7.4 11.0



#90

Benzo(a)pyrene

Concen: 49.288 ng

RT: 24.613 min Scan# 3685

Delta R.T. 0.041 min

Lab File: BP024989.D

Acq: 18 Jun 2025 11:17

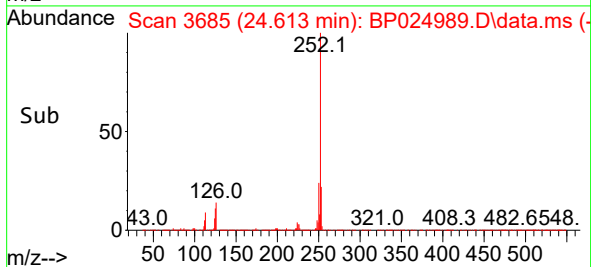
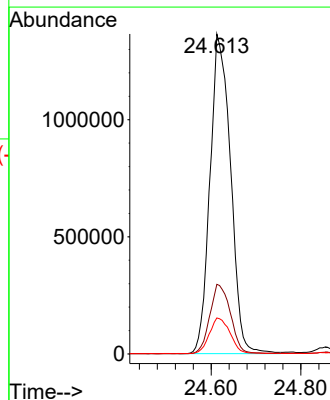
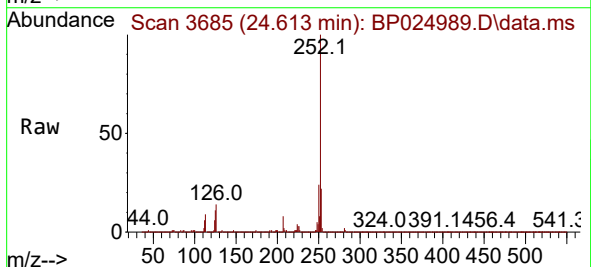
Tgt Ion:252 Resp: 4350004

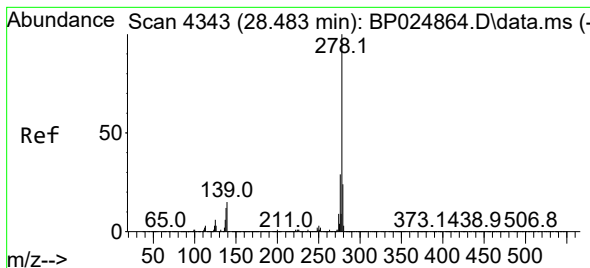
Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

125 11.3 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 48.908 ng

RT: 28.559 min Scan# 41

Delta R.T. 0.076 min

Lab File: BP024989.D

Acq: 18 Jun 2025 11:17

Instrument :

BNA_P

ClientSampleId :

PB168509BS

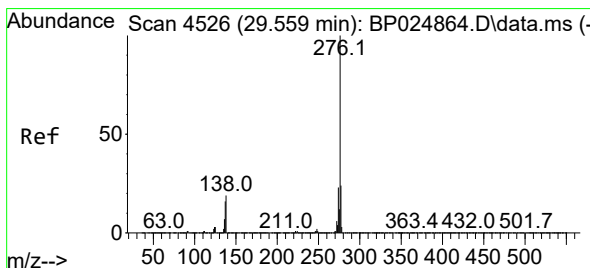
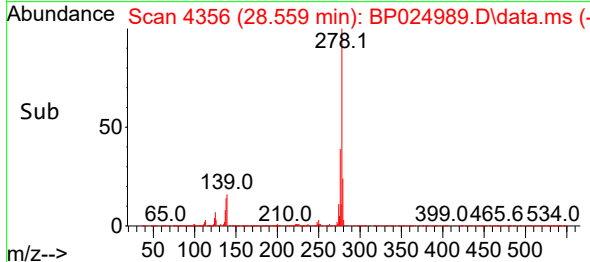
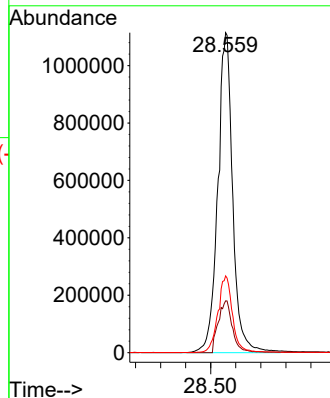
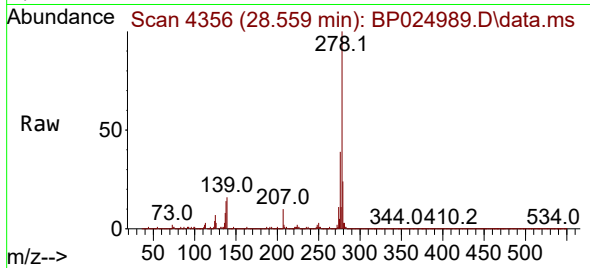
Tgt Ion:278 Resp: 4586767

Ion Ratio Lower Upper

278 100

139 16.2 12.0 18.0

279 24.0 19.1 28.7



#92

Benzo(g,h,i)perylene

Concen: 47.722 ng

RT: 29.648 min Scan# 4541

Delta R.T. 0.088 min

Lab File: BP024989.D

Acq: 18 Jun 2025 11:17

Tgt Ion:276 Resp: 4440584

Ion Ratio Lower Upper

276 100

277 24.2 19.1 28.7

138 21.4 15.4 23.2

