

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071423\
 Data File : BP016234.D
 Acq On : 14 Jul 2023 19:39
 Operator : MA/JU
 Sample : 03414-20MS
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4634MS

Quant Time: Jul 14 23:55:58 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071223.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 14 23:53:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.957	152	138502	20.000	ng/u1	0.00
20) Naphthalene-d8	10.769	136	648685	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.610	164	421654	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.374	188	998347	20.000	ng/u1	0.00
79) Chrysene-d12	21.468	240	1013838	20.000	ng/u1	0.00
88) Perylene-d12	23.962	264	1234718	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.281	96	20650	5.276	ng/uL	0.00
4) Pyridine-d5	3.728	84	284066	29.100	ng/u1	-0.01
7) Phenol-d5	7.140	99	492515	39.369	ng/u1	-0.01
9) Bis-(2-Chloroethyl)eth...	7.287	67	297235	35.137	ng/u1	0.00
11) 2-Chlorophenol-d4	7.487	132	355960	39.416	ng/u1	0.00
15) 4-Methylphenol-d8	8.692	113	391846	38.882	ng/u1	-0.01
21) Nitrobenzene-d5	9.145	128	180849	40.411	ng/u1	0.00
24) 2-Nitrophenol-d4	9.869	143	204823	40.157	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.422	165	387131	43.829	ng/u1	-0.02
31) 4-Chloroaniline-d4	10.945	131	488994	34.540	ng/u1	-0.01
46) Dimethylphthalate-d6	14.022	166	1184792	36.836	ng/u1	0.00
49) Acenaphthylene-d8	14.304	160	1375205	39.014	ng/u1	0.00
54) 4-Nitrophenol-d4	14.880	143	142636	21.730	ng/u1	-0.05
60) Fluorene-d10	15.604	176	1033838	38.406	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.780	200	184122	31.948	ng/u1	-0.01
73) Anthracene-d10	17.474	188	1698761	38.900	ng/u1	0.00
81) Pyrene-d10	19.709	212	2107948	40.069	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.792	264	2354424	39.707	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.316	88	61665	14.363	ng/uL#	93
5) Pyridine	3.751	79	373319	37.338	ng/u1	94
6) Benzaldehyde	7.110	77	330149	42.265	ng/u1	92
8) Phenol	7.169	94	600180	44.755	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.381	93	453563	41.588	ng/u1	99
12) 2-Chlorophenol	7.516	128	431926	46.097	ng/u1	98
13) 2-Methylphenol	8.422	108	455270	45.105	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.475	45	346397	19.571	ng/u1	99
16) Acetophenone	8.804	105	721075	43.391	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.775	70	398161	44.690	ng/u1	98
18) 4-Methylphenol	8.763	108	502325	45.510	ng/u1	99
19) Hexachloroethane	9.022	117	179298	41.974	ng/u1	98
22) Nitrobenzene	9.186	77	585966	45.065	ng/u1	99
23) Isophorone	9.704	82	1145429	44.441	ng/u1	99
25) 2-Nitrophenol	9.904	139	264065	48.185	ng/u1	97
26) 2,4-Dimethylphenol	9.957	107	565848	46.953	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.186	93	682596	45.483	ng/u1	100
29) 2,4-Dichlorophenol	10.451	162	443420	48.822	ng/u1	98
30) Naphthalene	10.822	128	1502982	44.150	ng/u1	99
32) 4-Chloroaniline	10.969	127	593816	42.172	ng/u1	99
33) Hexachlorobutadiene	11.081	225	269087	43.622	ng/u1	100
34) Caprolactam	11.786	113	160081	48.687	ng/u1	92
35) 4-Chloro-3-methylphenol	12.104	107	551535	49.209	ng/u1	97
36) 2-Methylnaphthalene	12.439	142	1014237	44.435	ng/u1	100

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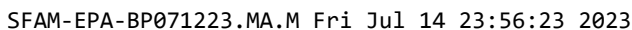
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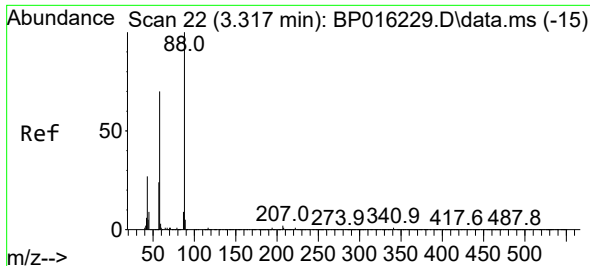
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071223.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 14 23:53:26 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.657	142	1026317	43.721	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.810	216	546627	45.518	ng/ul	99
40) Hexachlorocyclopentadiene	12.757	237	124024	26.307	ng/ul	99
41) 2,4,6-Trichlorophenol	13.069	196	374288	49.331	ng/ul	98
42) 2,4,5-Trichlorophenol	13.157	196	412521	51.141	ng/ul	99
43) 1,1'-Biphenyl	13.439	154	1392560	45.275	ng/ul	99
44) 2-Chloronaphthalene	13.492	162	1093674	45.257	ng/ul	98
45) 2-Nitroaniline	13.733	65	396201	50.309	ng/ul	100
47) Dimethylphthalate	14.069	163	1407459	43.325	ng/ul	99
48) 2,6-Dinitrotoluene	14.222	165	297570	48.588	ng/ul	97
50) Acenaphthylene	14.333	152	1761704	43.515	ng/ul	99
51) 3-Nitroaniline	14.569	138	302994	48.719	ng/ul	95
52) Acenaphthene	14.674	153	1224969	44.737	ng/ul	100
53) 2,4-Dinitrophenol	14.810	184	134039	31.270	ng/ul	97
55) 4-Nitrophenol	14.898	109	225137	45.069	ng/ul#	77
56) Dibenzofuran	15.016	168	1685991	45.205	ng/ul	98
57) 2,4-Dinitrotoluene	15.027	165	434328	48.074	ng/ul	90
58) 2,3,4,6-Tetrachlorophenol	15.257	232	364381	49.775	ng/ul	98
59) Diethylphthalate	15.427	149	1481069	43.841	ng/ul	99
61) Fluorene	15.663	166	1404650	45.083	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.651	204	666629	44.239	ng/ul	99
63) 4-Nitroaniline	15.739	138	299757	52.481	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.798	198	222509	36.939	ng/ul	98
67) N-Nitrosodiphenylamine	15.874	169	1180855	44.624	ng/ul	99
68) 4-Bromophenyl-phenylether	16.551	248	425037	44.799	ng/ul	99
69) Hexachlorobenzene	16.674	284	510983	44.722	ng/ul	98
70) Atrazine	16.833	200	445187	42.426	ng/ul	98
71) Pentachlorophenol	17.039	266	270184	47.156	ng/ul	99
72) Phenanthrene	17.415	178	2385253	45.854	ng/ul	99
74) Anthracene	17.515	178	2378191	45.498	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.410	216	541932	41.349	ng/uL	99
76) Pentachlorobenzene	14.933	250	548256	44.317	ng/uL	99
77) Carbazole	17.798	167	2195525	46.069	ng/ul	99
78) Di-n-butylphthalate	18.310	149	2822447	47.278	ng/ul	99
80) Fluoranthene	19.386	202	3016020	49.027	ng/ul	99
82) Pyrene	19.739	202	3143830	47.865	ng/ul	99
83) Butylbenzylphthalate	20.586	149	1421242	50.174	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.386	252	894001	37.740	ng/ul	98
85) Benzo(a)anthracene	21.451	228	3128724	47.390	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.333	149	2180777	51.536	ng/ul	100
87) Chrysene	21.503	228	3041792	45.481	ng/ul	99
89) Di-n-octyl phthalate	22.274	149	3847020	49.742	ng/ul	100
90) Benzo(b)fluoranthene	23.192	252	3453336	48.963	ng/ul	98
91) Benzo(k)fluoranthene	23.239	252	3335415	46.471	ng/ul	99
93) Benzo(a)pyrene	23.850	252	3028754	43.350	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.591	276	3658852	42.291	ng/ul	100
95) Dibenzo(a,h)anthracene	26.591	278	3017765	42.763	ng/ul	98
96) Benzo(g,h,i)perylene	27.403	276	2909147	42.126	ng/ul	99

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

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QLast Update : Fri Jul 14 23:53:26 2023
Response via : Initial Calibration

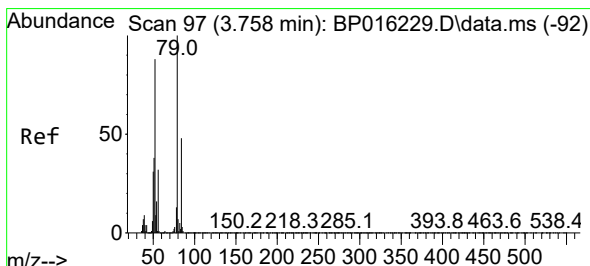
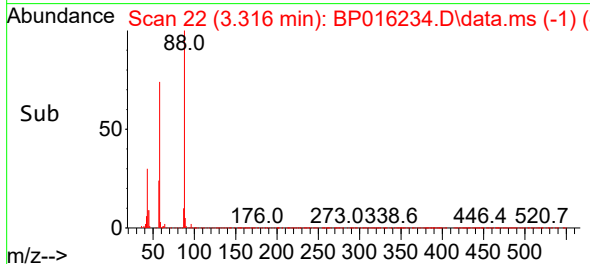
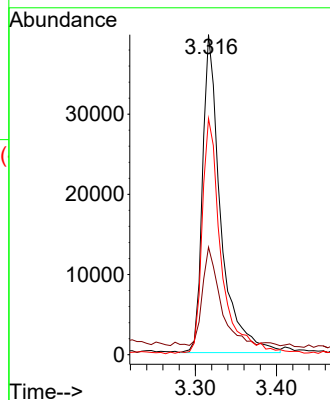
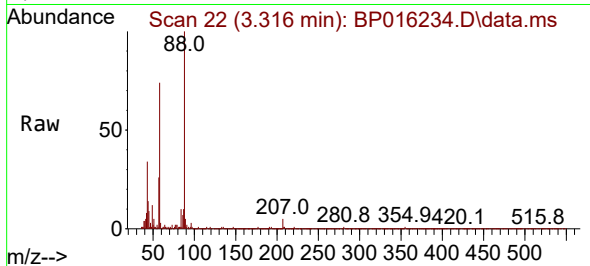




#2
 1,4-Dioxane
 Concen: 14.363 ng/uL
 RT: 3.316 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BP016234.D
 Acq: 14 Jul 2023 19:39

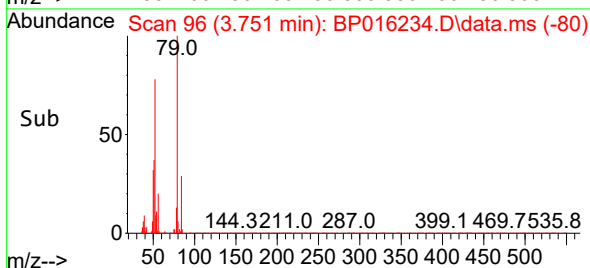
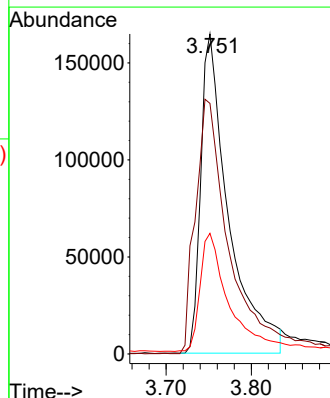
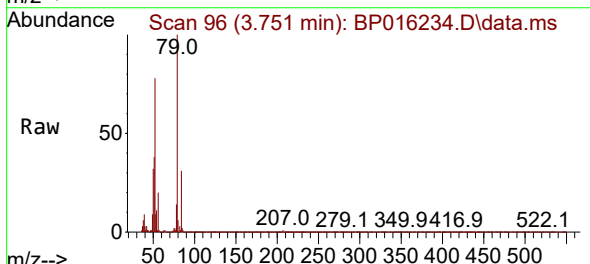
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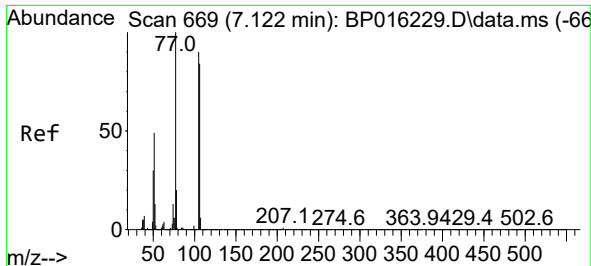
Tgt Ion: 88 Resp: 61665
 Ion Ratio Lower Upper
 88 100
 43 33.6 22.3 33.5#
 58 73.8 63.1 94.7



#5
 Pyridine
 Concen: 37.338 ng/uL
 RT: 3.751 min Scan# 96
 Delta R.T. -0.006 min
 Lab File: BP016234.D
 Acq: 14 Jul 2023 19:39

Tgt Ion: 79 Resp: 373319
 Ion Ratio Lower Upper
 79 100
 52 78.3 67.7 101.5
 51 37.7 31.7 47.5

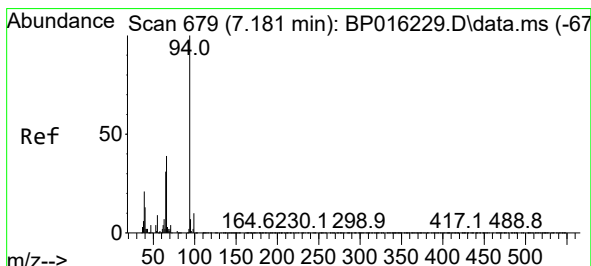
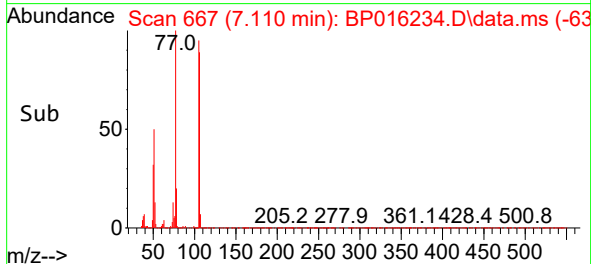
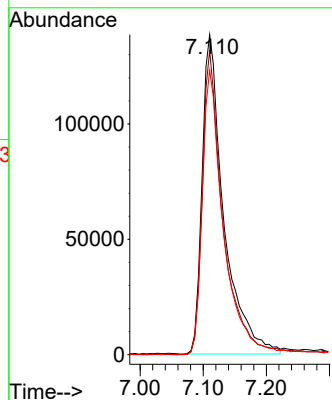
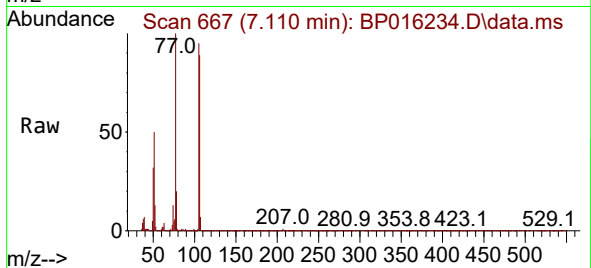




#6
Benzaldehyde
Concen: 42.265 ng/ul
RT: 7.110 min Scan# 607
Delta R.T. -0.012 min
Lab File: BP016234.D
Acq: 14 Jul 2023 19:39

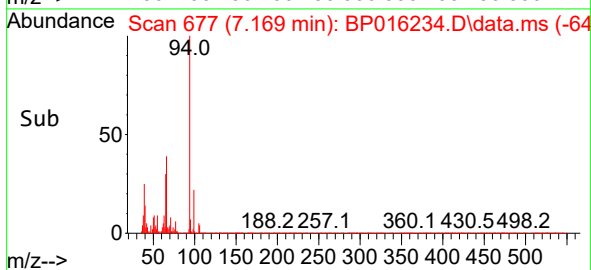
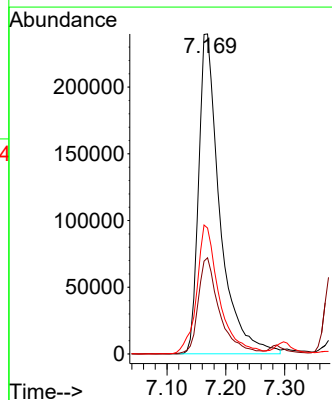
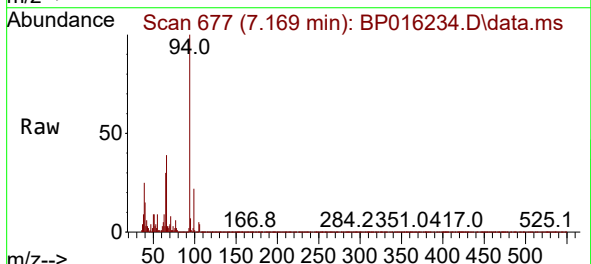
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ClientSampleId :
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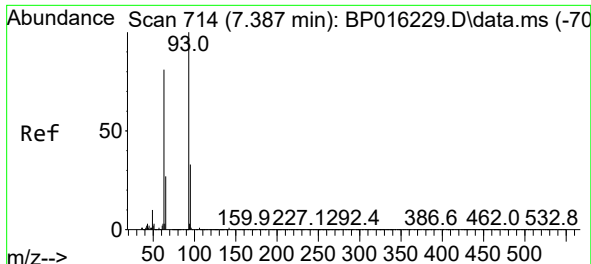
Tgt Ion: 77 Resp: 330149
Ion Ratio Lower Upper
77 100
105 95.1 69.4 104.2
106 88.9 66.2 99.4



#8
Phenol
Concen: 44.755 ng/ul
RT: 7.169 min Scan# 677
Delta R.T. -0.012 min
Lab File: BP016234.D
Acq: 14 Jul 2023 19:39

Tgt Ion: 94 Resp: 600180
Ion Ratio Lower Upper
94 100
65 30.0 25.5 38.3
66 39.4 32.7 49.1

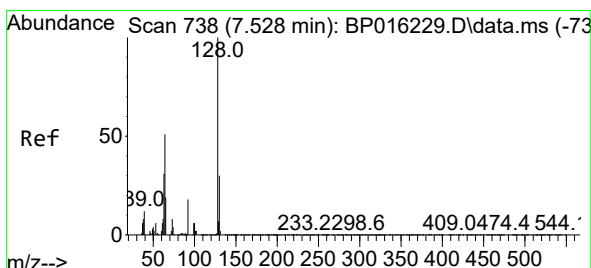
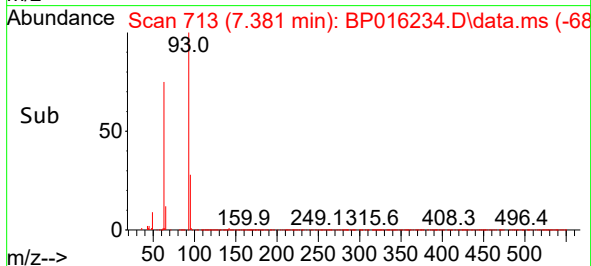
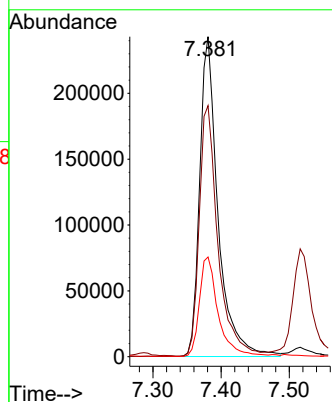
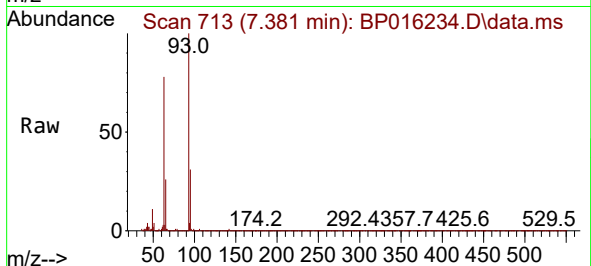




#10
Bis(2-Chloroethyl)ether
Concen: 41.588 ng/ul
RT: 7.381 min Scan# 714
Delta R.T. -0.006 min
Lab File: BP016234.D
Acq: 14 Jul 2023 19:39

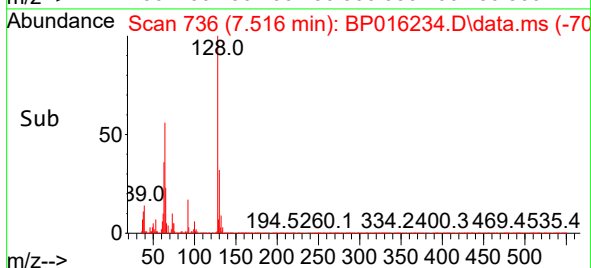
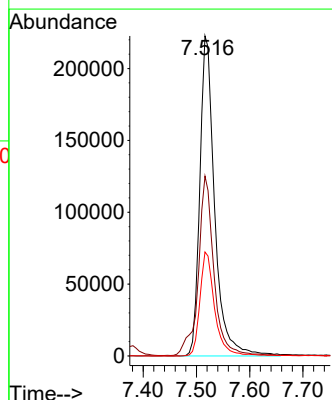
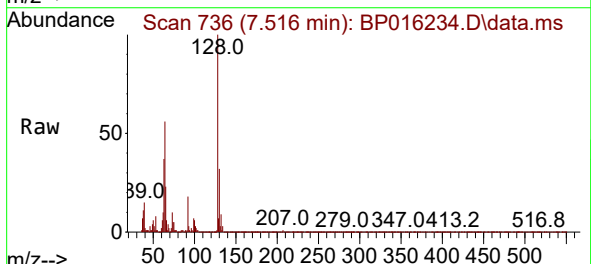
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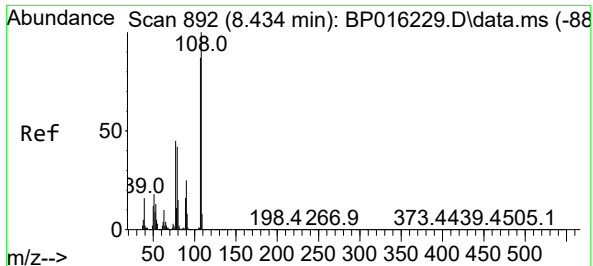
Tgt Ion: 93 Resp: 453563
Ion Ratio Lower Upper
93 100
63 78.5 63.5 95.3
95 31.1 25.1 37.7



#12
2-Chlorophenol
Concen: 46.097 ng/ul
RT: 7.516 min Scan# 736
Delta R.T. -0.012 min
Lab File: BP016234.D
Acq: 14 Jul 2023 19:39

Tgt Ion: 128 Resp: 431926
Ion Ratio Lower Upper
128 100
64 56.2 44.1 66.1
130 32.5 24.3 36.5





#13

2-Methylphenol

Concen: 45.105 ng/ul

RT: 8.422 min Scan# 892

Delta R.T. -0.012 min

Lab File: BP016234.D

Acq: 14 Jul 2023 19:39

Instrument :

BNA_P

ClientSampleId :

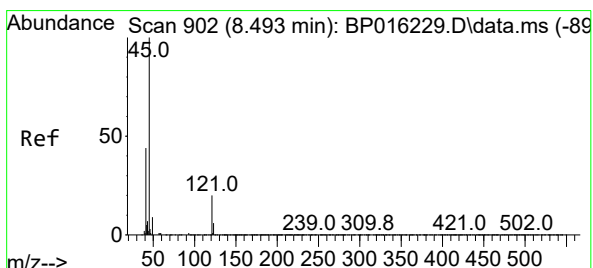
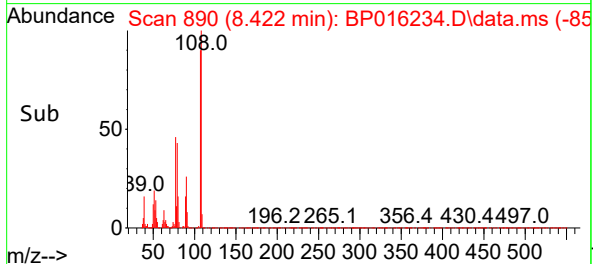
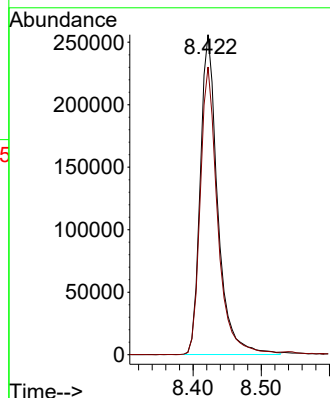
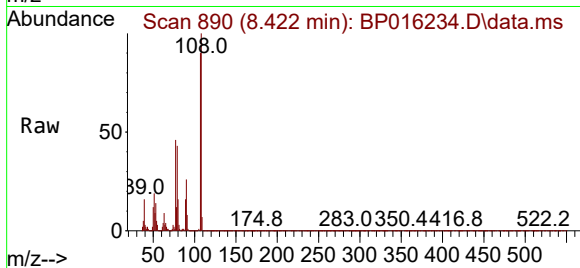
A4634MS

Tgt Ion:108 Resp: 455270

Ion Ratio Lower Upper

108 100

107 89.9 70.5 105.7



#14

2,2'-oxybis(1-Chloropropane)

Concen: 19.571 ng/ul

RT: 8.475 min Scan# 899

Delta R.T. -0.018 min

Lab File: BP016234.D

Acq: 14 Jul 2023 19:39

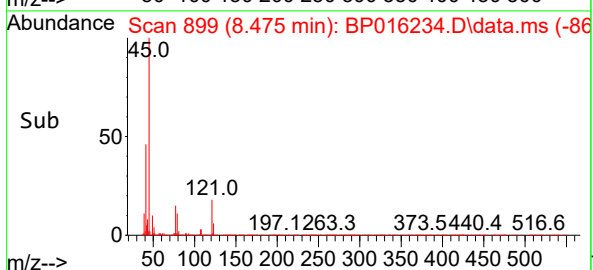
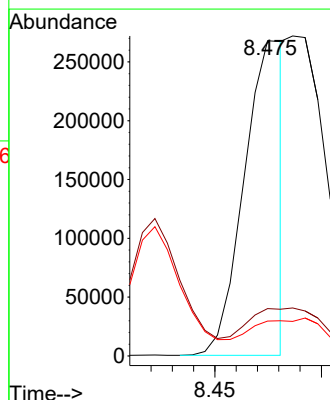
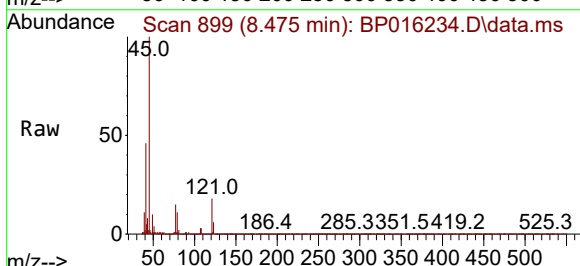
Tgt Ion: 45 Resp: 346397

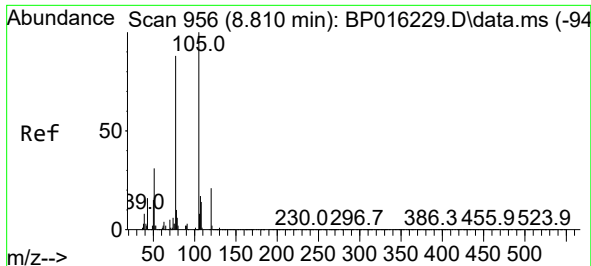
Ion Ratio Lower Upper

45 100

77 15.0 12.5 18.7

79 11.1 8.7 13.1

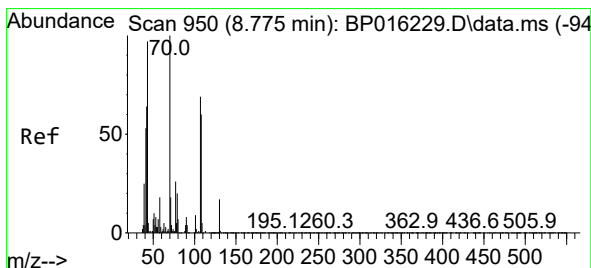
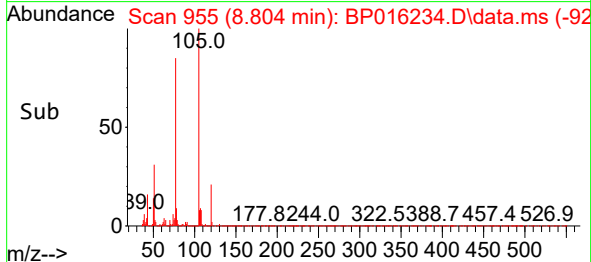
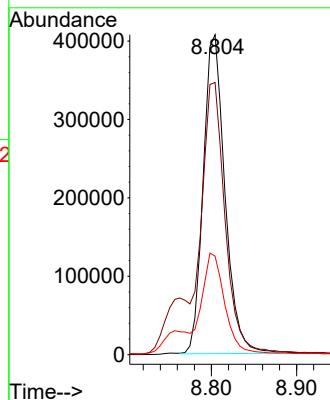
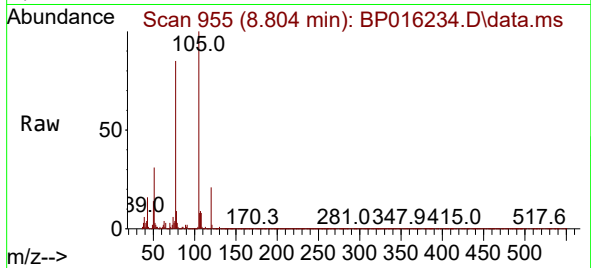




#16
Acetophenone
Concen: 43.391 ng/ul
RT: 8.804 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP016234.D
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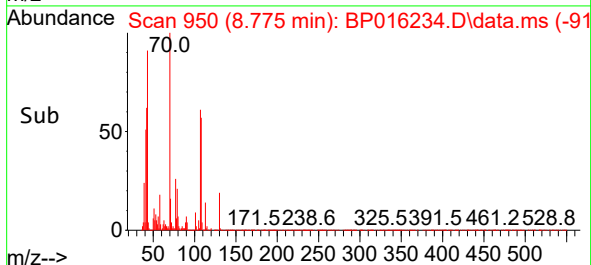
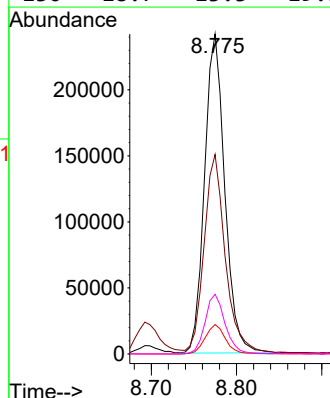
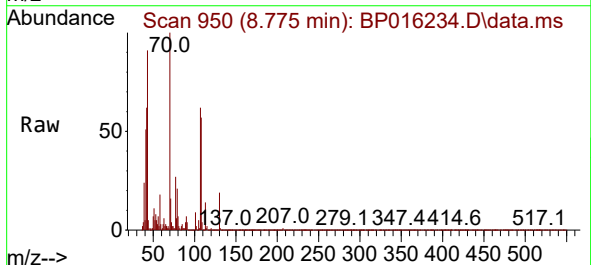
Instrument :
BNA_P
ClientSampleId :
A4634MS

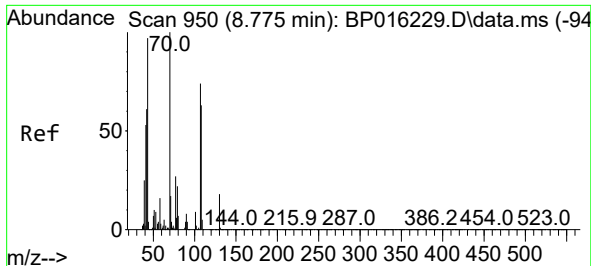
Tgt Ion:105 Resp: 721075
Ion Ratio Lower Upper
105 100
77 85.1 70.2 105.2
51 30.8 26.3 39.5



#17
N-Nitroso-di-n-propylamine
Concen: 44.690 ng/ul
RT: 8.775 min Scan# 950
Delta R.T. -0.000 min
Lab File: BP016234.D
Acq: 14 Jul 2023 19:39

Tgt Ion: 70 Resp: 398161
Ion Ratio Lower Upper
70 100
42 62.4 50.8 76.2
101 9.2 7.0 10.6
130 18.7 13.3 19.9

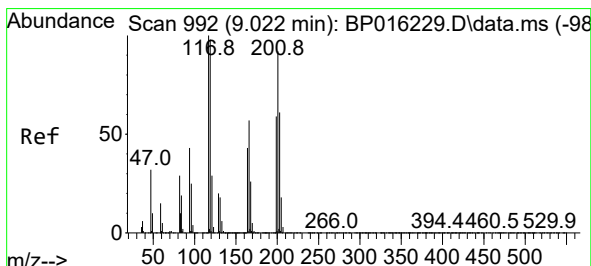
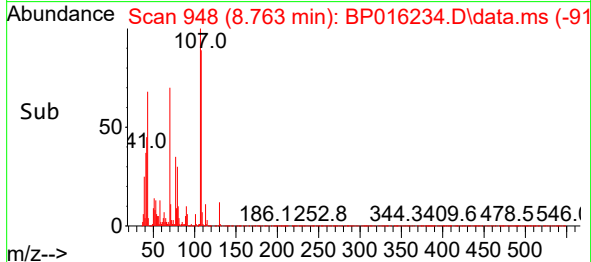
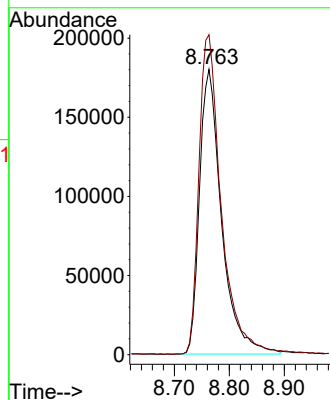
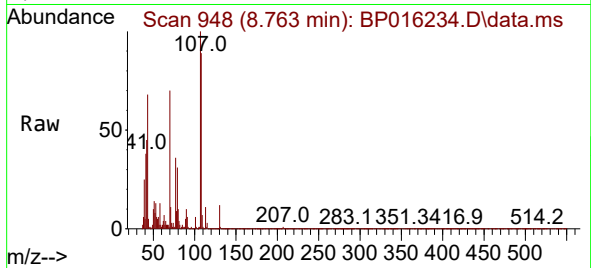




#18
4-Methylphenol
Concen: 45.510 ng/ul
RT: 8.763 min Scan# 948
Delta R.T. -0.012 min
Lab File: BP016234.D
Acq: 14 Jul 2023 19:39

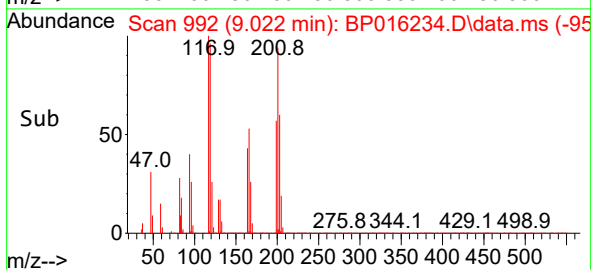
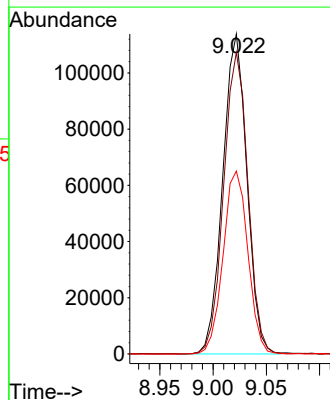
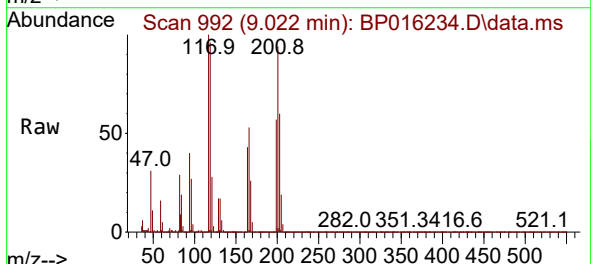
Instrument :
BNA_P
ClientSampleId :
A4634MS

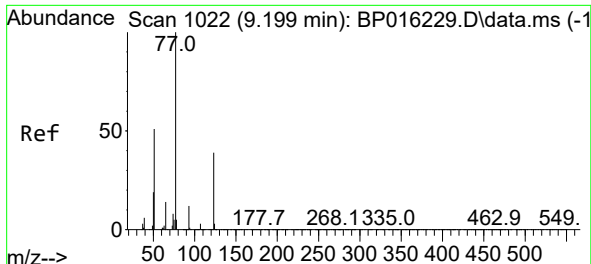
Tgt Ion:108 Resp: 502325
Ion Ratio Lower Upper
108 100
107 112.1 89.3 133.9



#19
Hexachloroethane
Concen: 41.974 ng/ul
RT: 9.022 min Scan# 992
Delta R.T. -0.000 min
Lab File: BP016234.D
Acq: 14 Jul 2023 19:39

Tgt Ion:117 Resp: 179298
Ion Ratio Lower Upper
117 100
201 94.2 76.5 114.7
199 57.1 47.9 71.9

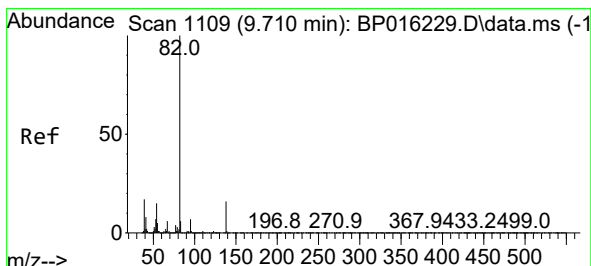
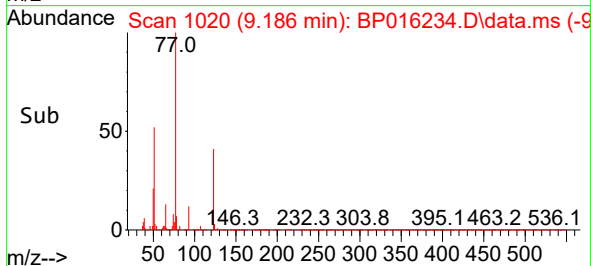
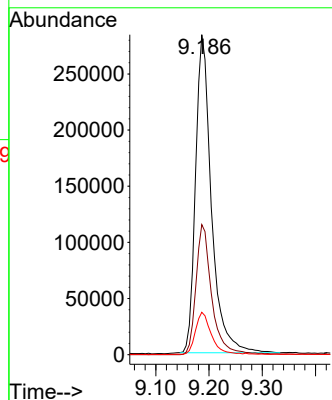
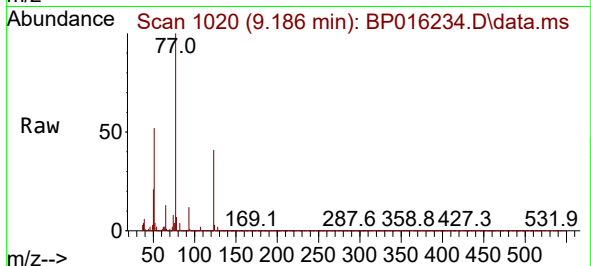




#22
Nitrobenzene
Concen: 45.065 ng/ul
RT: 9.186 min Scan# 1020
Delta R.T. -0.012 min
Lab File: BP016234.D
Acq: 14 Jul 2023 19:39

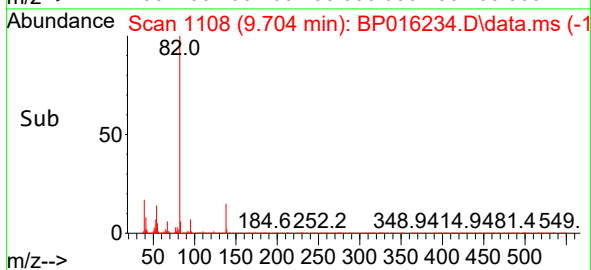
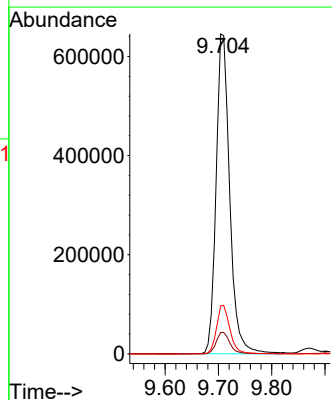
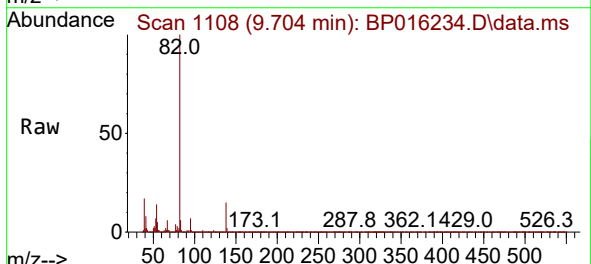
Instrument :
BNA_P
ClientSampleId :
A4634MS

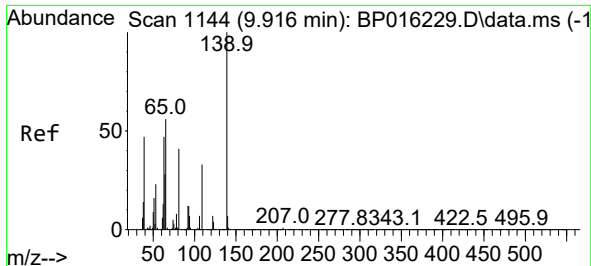
Tgt Ion: 77 Resp: 585966
Ion Ratio Lower Upper
77 100
123 40.6 31.8 47.8
65 13.3 10.4 15.6



#23
Isophorone
Concen: 44.441 ng/ul
RT: 9.704 min Scan# 1108
Delta R.T. -0.006 min
Lab File: BP016234.D
Acq: 14 Jul 2023 19:39

Tgt Ion: 82 Resp: 1145429
Ion Ratio Lower Upper
82 100
95 6.7 5.4 8.2
138 15.0 12.3 18.5

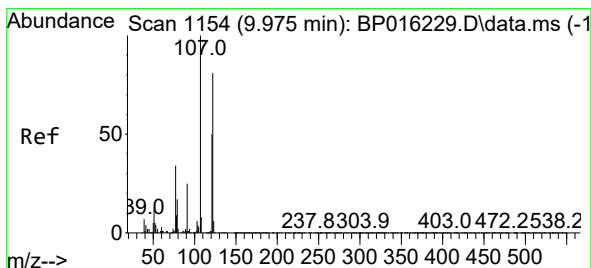
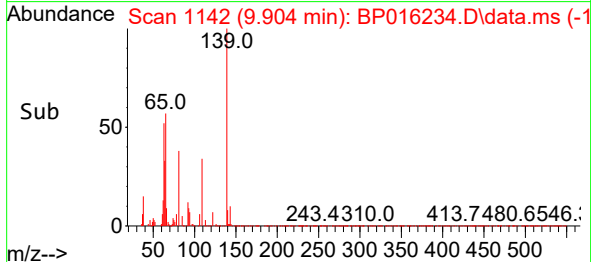
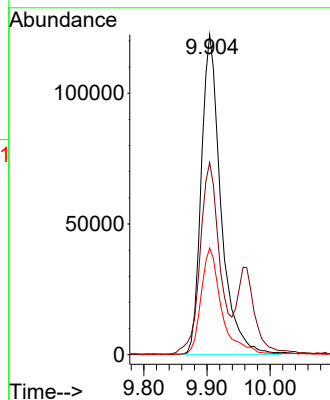
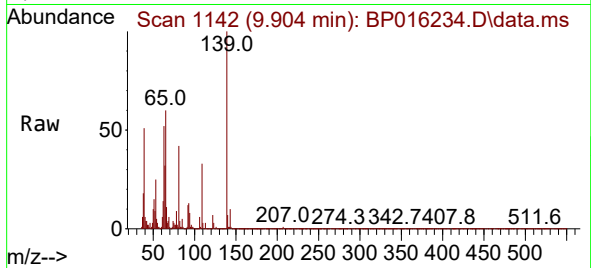




#25
2-Nitrophenol
Concen: 48.185 ng/ul
RT: 9.904 min Scan# 1142
Delta R.T. -0.012 min
Lab File: BP016234.D
Acq: 14 Jul 2023 19:39

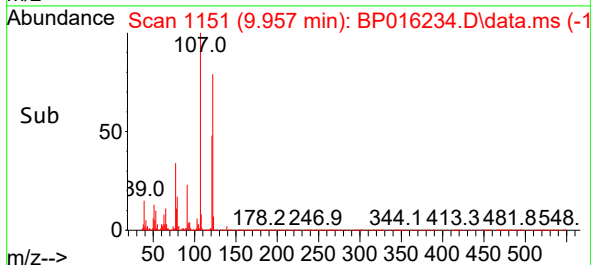
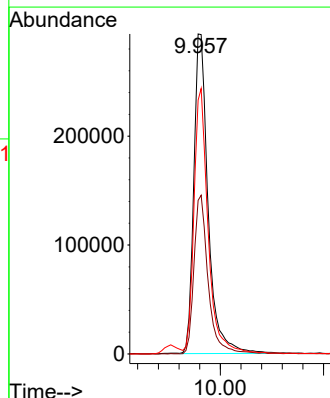
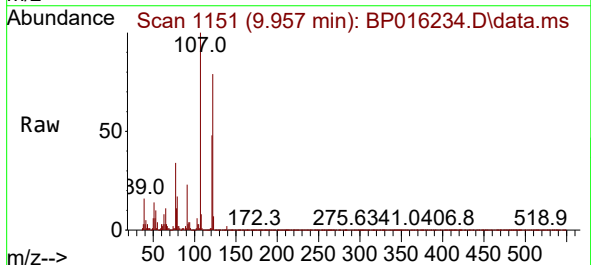
Instrument :
BNA_P
ClientSampleId :
A4634MS

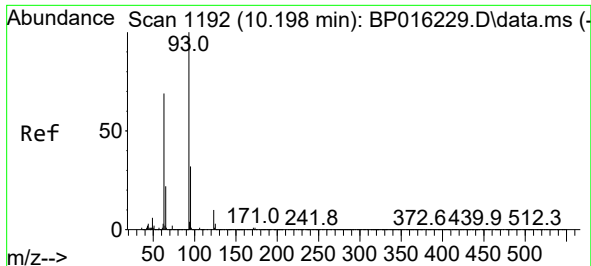
Tgt Ion:139 Resp: 264065
Ion Ratio Lower Upper
139 100
65 60.1 50.0 75.0
109 33.3 28.2 42.2



#26
2,4-Dimethylphenol
Concen: 46.953 ng/ul
RT: 9.957 min Scan# 1151
Delta R.T. -0.018 min
Lab File: BP016234.D
Acq: 14 Jul 2023 19:39

Tgt Ion:107 Resp: 565848
Ion Ratio Lower Upper
107 100
121 48.0 37.2 55.8
122 79.3 64.7 97.1

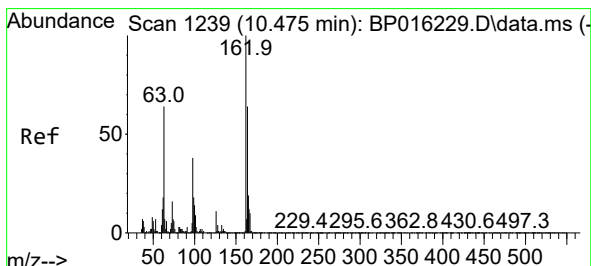
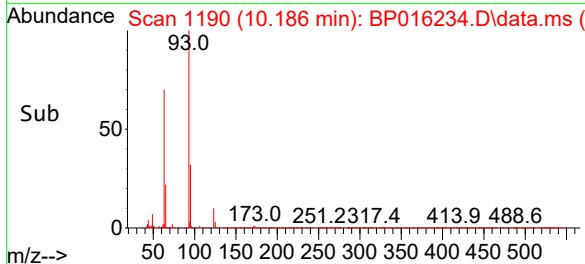
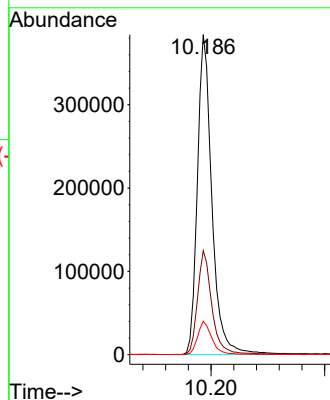
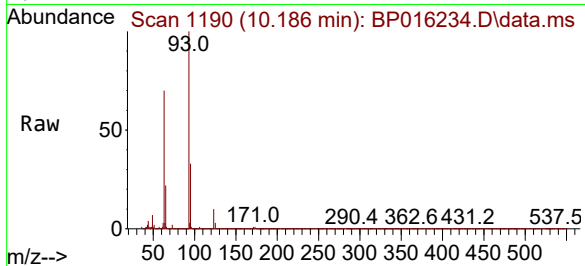




#27
 Bis(2-Chloroethoxy)methane
 Concen: 45.483 ng/ul
 RT: 10.186 min Scan# 1190
 Delta R.T. -0.012 min
 Lab File: BP016234.D
 Acq: 14 Jul 2023 19:39

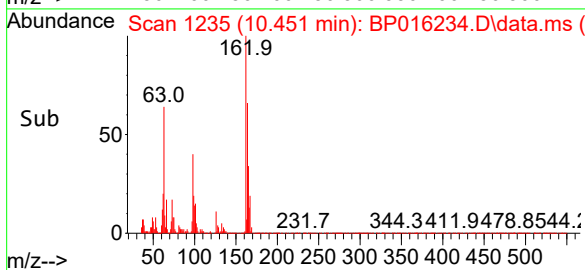
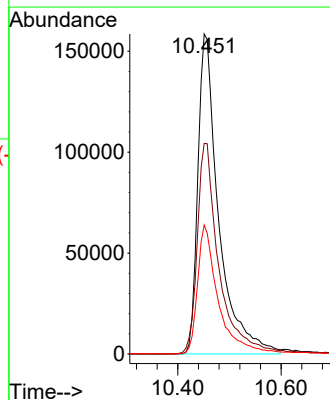
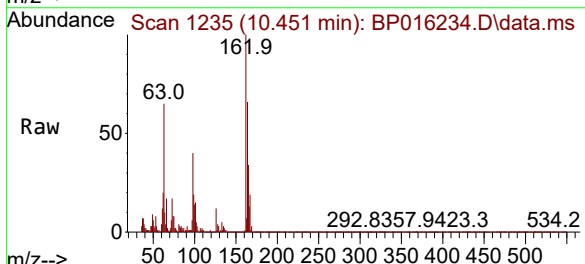
Instrument :
 BNA_P
 ClientSampleId :
 A4634MS

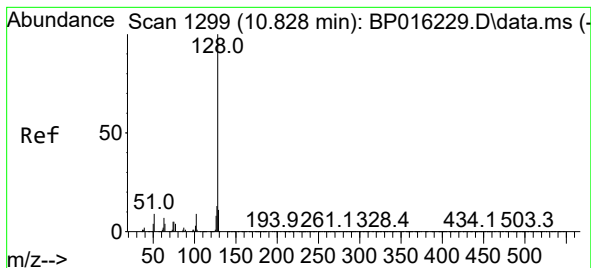
Tgt Ion: 93 Resp: 682596
 Ion Ratio Lower Upper
 93 100
 95 32.5 25.9 38.9
 123 10.4 8.6 13.0



#29
 2,4-Dichlorophenol
 Concen: 48.822 ng/ul
 RT: 10.451 min Scan# 1235
 Delta R.T. -0.024 min
 Lab File: BP016234.D
 Acq: 14 Jul 2023 19:39

Tgt Ion:162 Resp: 443420
 Ion Ratio Lower Upper
 162 100
 164 65.8 54.3 81.5
 98 40.3 31.8 47.8

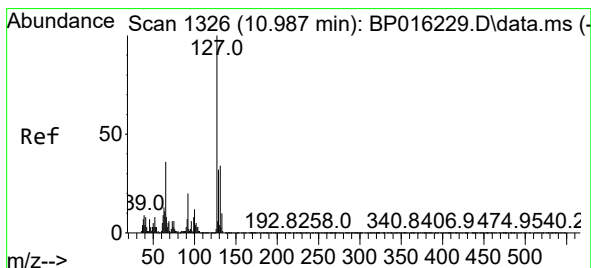
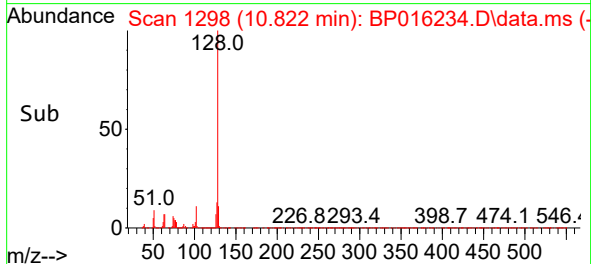
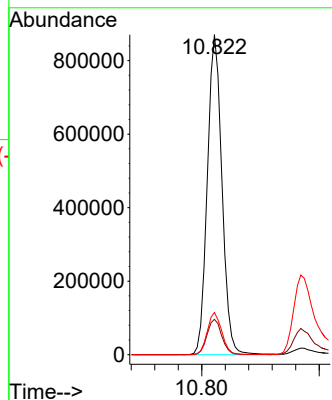
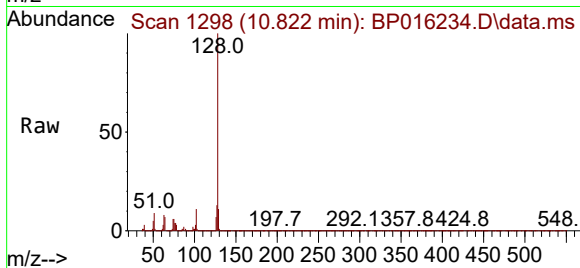




#30
Naphthalene
Concen: 44.150 ng/ul
RT: 10.822 min Scan# 1299
Delta R.T. -0.006 min
Lab File: BP016234.D
Acq: 14 Jul 2023 19:39

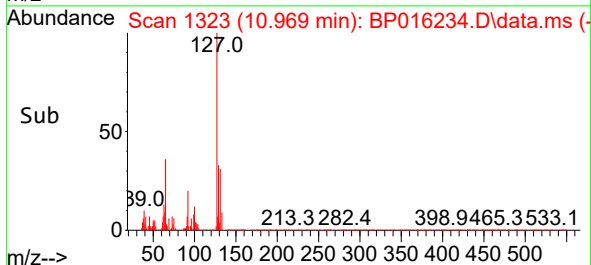
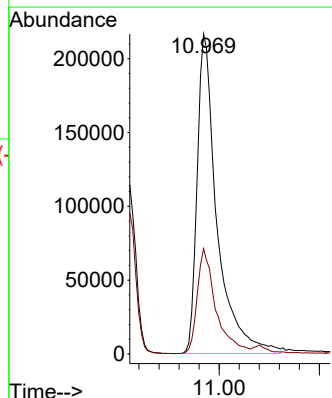
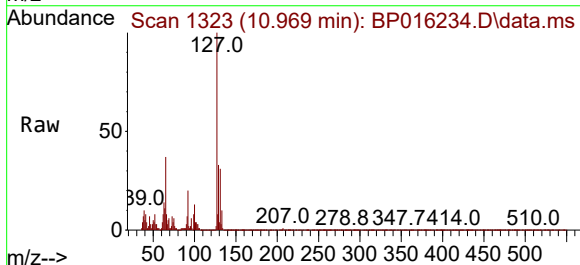
Instrument :
BNA_P
ClientSampleId :
A4634MS

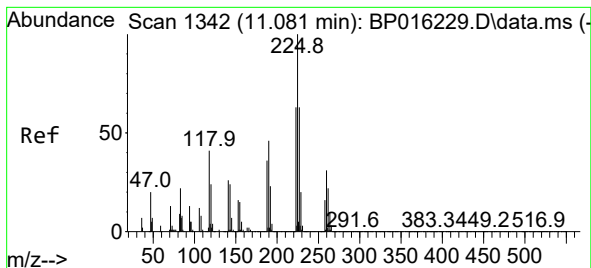
Tgt Ion:128 Resp: 1502982
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 13.2 10.9 16.3



#32
4-Chloroaniline
Concen: 42.172 ng/ul
RT: 10.969 min Scan# 1323
Delta R.T. -0.018 min
Lab File: BP016234.D
Acq: 14 Jul 2023 19:39

Tgt Ion:127 Resp: 593816
Ion Ratio Lower Upper
127 100
129 32.9 26.1 39.1





#33

Hexachlorobutadiene

Concen: 43.622 ng/ul

RT: 11.081 min Scan# 11

Delta R.T. -0.000 min

Lab File: BP016234.D

Acq: 14 Jul 2023 19:39

Instrument :

BNA_P

ClientSampleId :

A4634MS

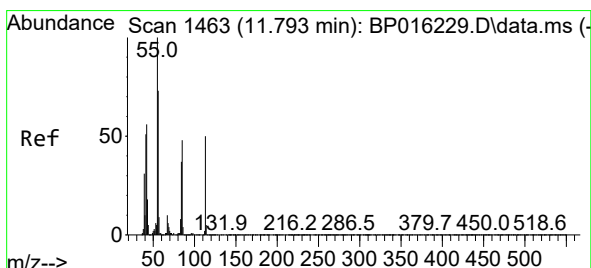
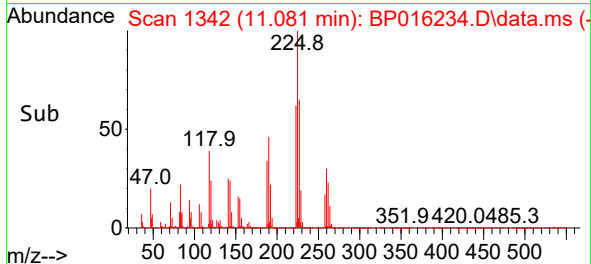
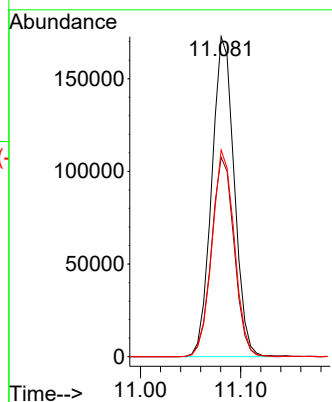
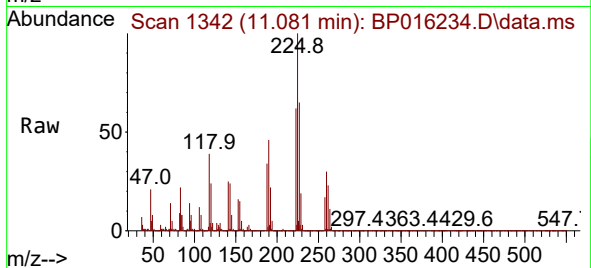
Tgt Ion:225 Resp: 269087

Ion Ratio Lower Upper

225 100

223 62.3 49.8 74.6

227 64.6 51.7 77.5



#34

Caprolactam

Concen: 48.687 ng/ul

RT: 11.786 min Scan# 1462

Delta R.T. -0.006 min

Lab File: BP016234.D

Acq: 14 Jul 2023 19:39

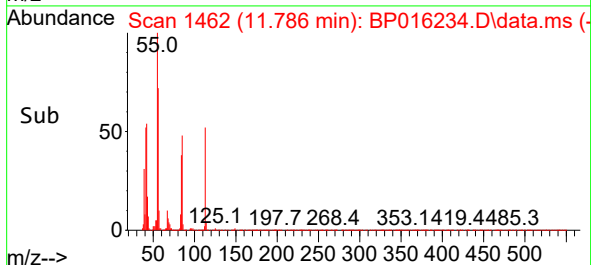
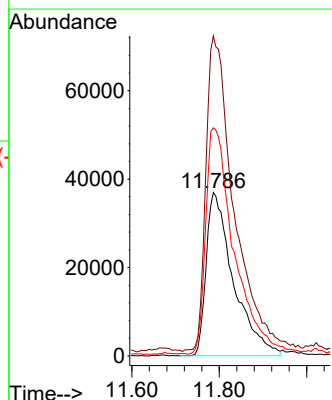
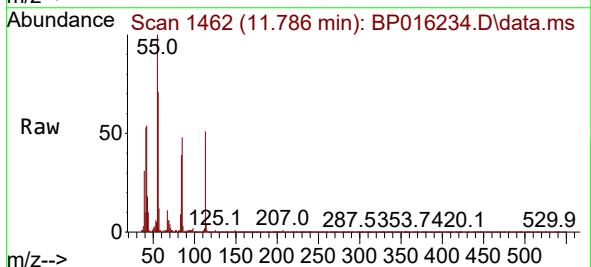
Tgt Ion:113 Resp: 160081

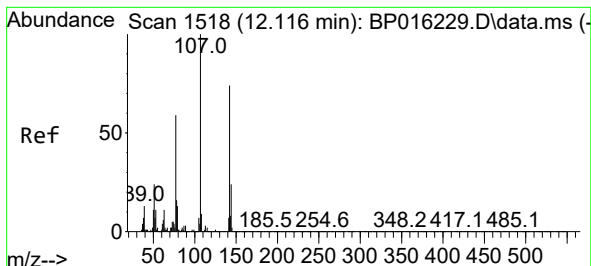
Ion Ratio Lower Upper

113 100

55 195.8 147.8 221.8

56 139.7 103.8 155.6

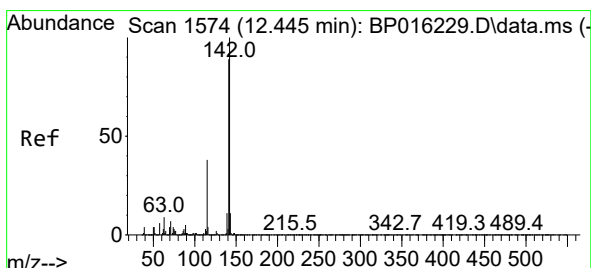
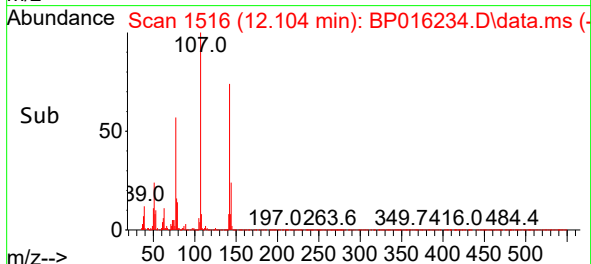
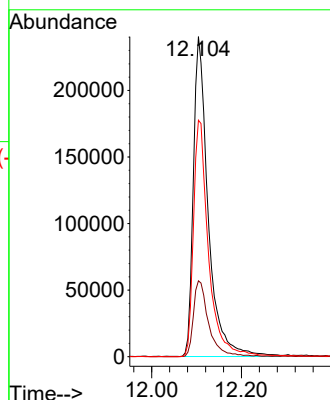
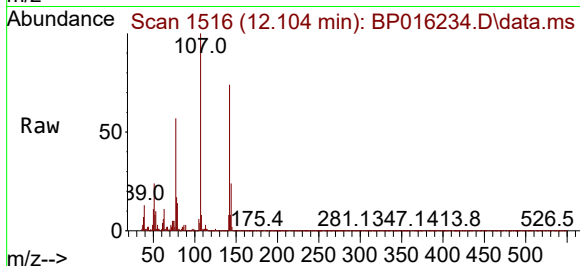




#35
4-Chloro-3-methylphenol
Concen: 49.209 ng/ul
RT: 12.104 min Scan# 1516
Delta R.T. -0.012 min
Lab File: BP016234.D
Acq: 14 Jul 2023 19:39

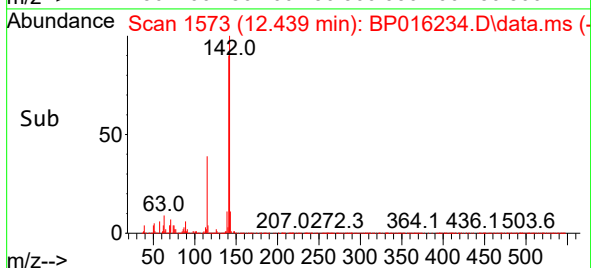
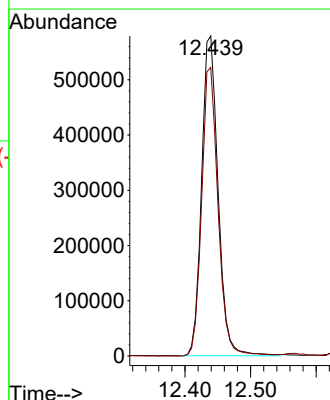
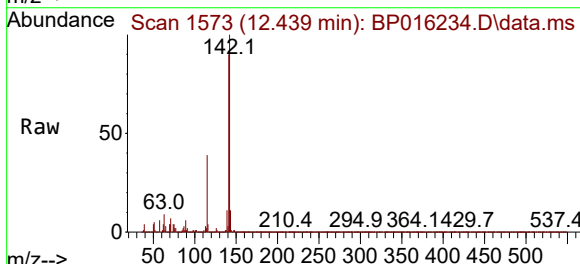
Instrument :
BNA_P
ClientSampleId :
A4634MS

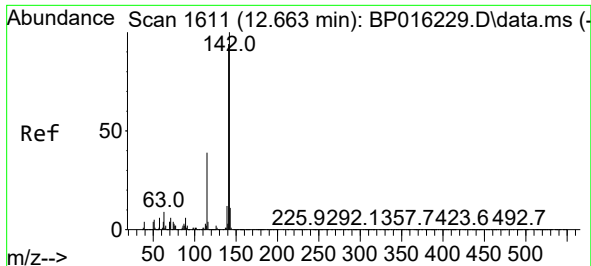
Tgt Ion:107 Resp: 551535
Ion Ratio Lower Upper
107 100
144 23.7 20.3 30.5
142 73.9 60.8 91.2



#36
2-Methylnaphthalene
Concen: 44.435 ng/ul
RT: 12.439 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BP016234.D
Acq: 14 Jul 2023 19:39

Tgt Ion:142 Resp: 1014237
Ion Ratio Lower Upper
142 100
141 90.2 71.9 107.9

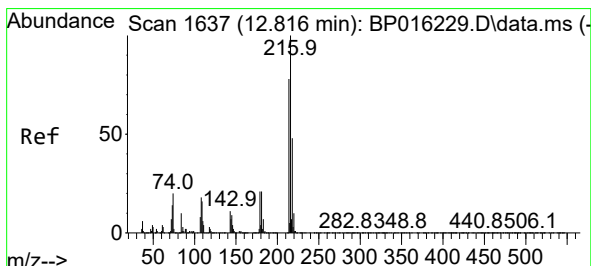
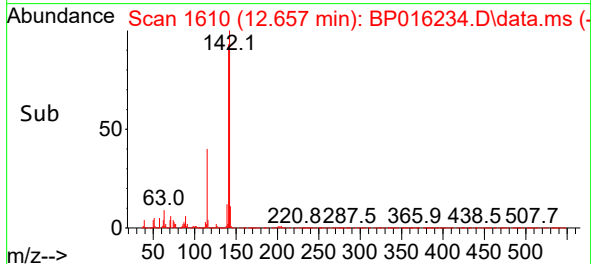
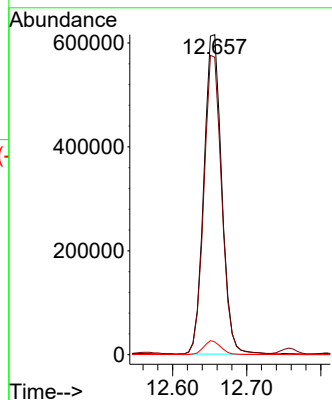
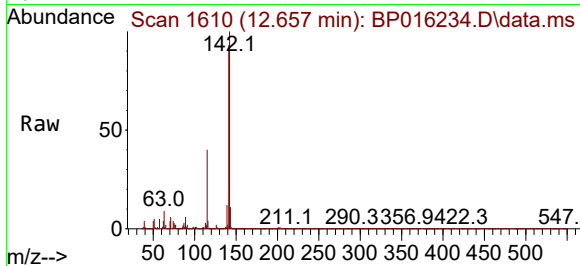




#37
1-Methylnaphthalene
Concen: 43.721 ng/ul
RT: 12.657 min Scan# 1610
Delta R.T. -0.006 min
Lab File: BP016234.D
Acq: 14 Jul 2023 19:39

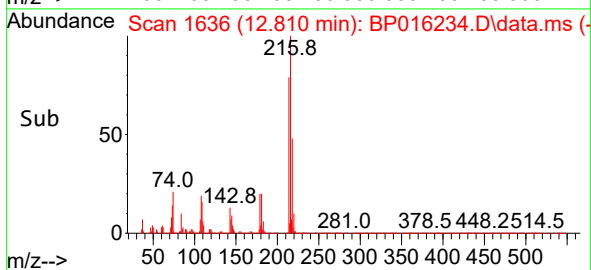
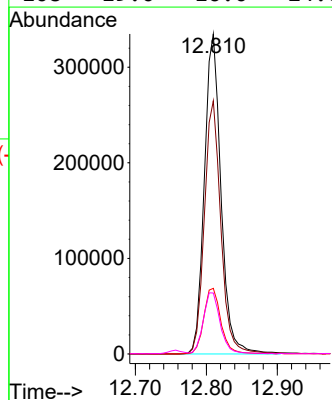
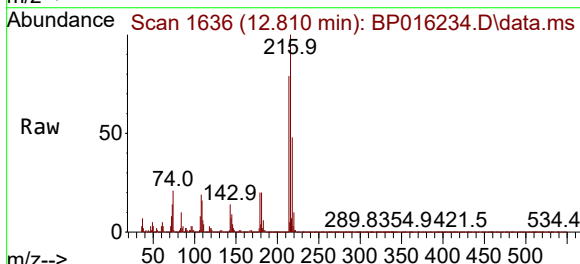
Instrument :
BNA_P
ClientSampleId :
A4634MS

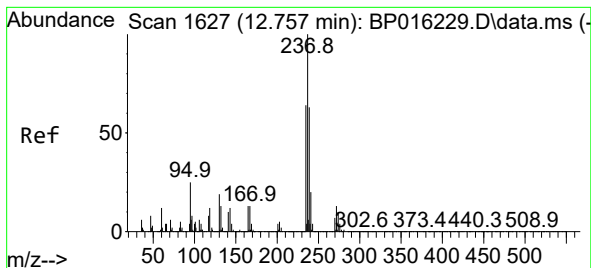
Tgt Ion:142 Resp: 1026317
Ion Ratio Lower Upper
142 100
141 92.9 73.9 110.9
116 4.0 3.4 5.2



#39
1,2,4,5-Tetrachlorobenzene
Concen: 45.518 ng/ul
RT: 12.810 min Scan# 1636
Delta R.T. -0.006 min
Lab File: BP016234.D
Acq: 14 Jul 2023 19:39

Tgt Ion:216 Resp: 546627
Ion Ratio Lower Upper
216 100
214 79.1 62.9 94.3
179 20.5 17.8 26.6
108 19.0 16.0 24.0

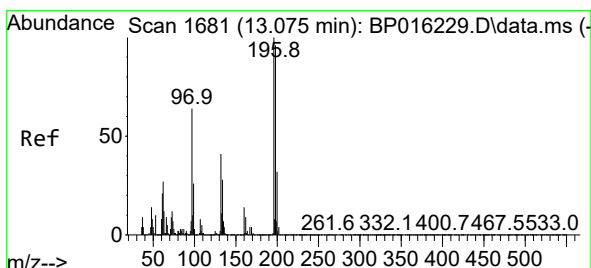
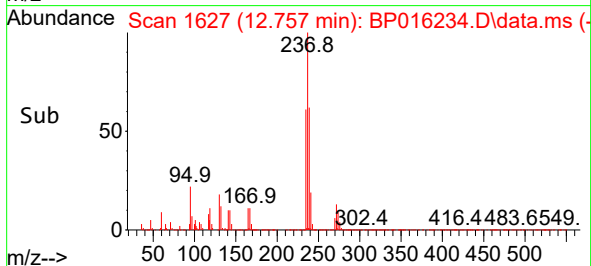
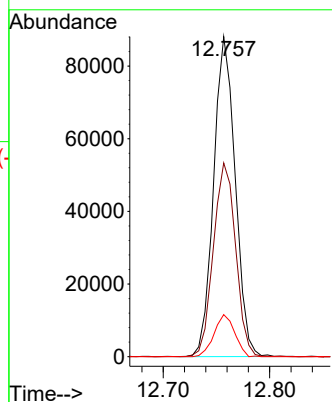
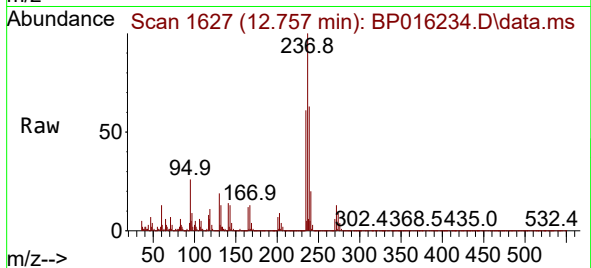




#40
Hexachlorocyclopentadiene
Concen: 26.307 ng/ul
RT: 12.757 min Scan# 1627
Delta R.T. -0.000 min
Lab File: BP016234.D
Acq: 14 Jul 2023 19:39

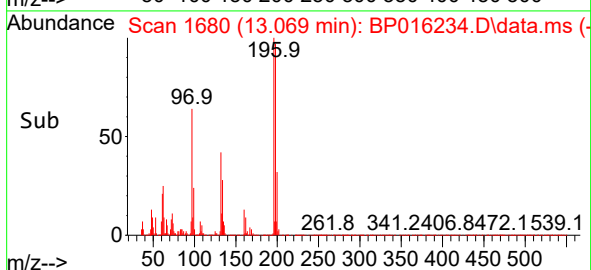
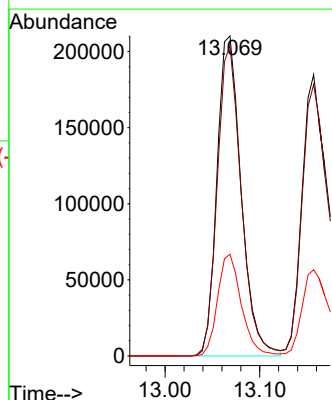
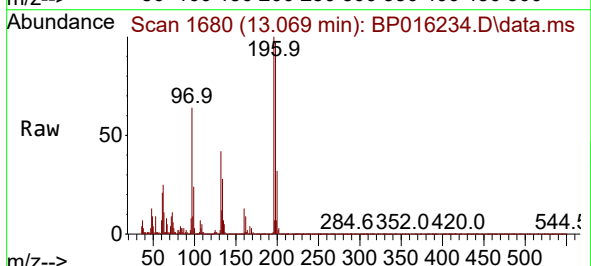
Instrument :
BNA_P
ClientSampleId :
A4634MS

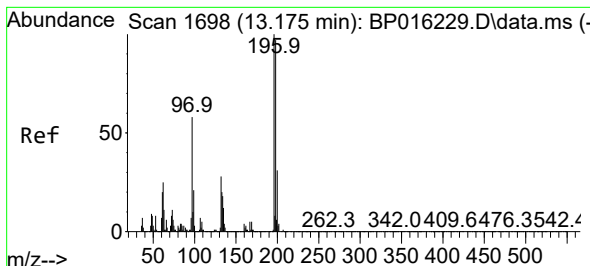
Tgt Ion:237 Resp: 124024
Ion Ratio Lower Upper
237 100
235 60.6 48.2 72.2
272 13.8 9.5 14.3



#41
2,4,6-Trichlorophenol
Concen: 49.331 ng/ul
RT: 13.069 min Scan# 1680
Delta R.T. -0.006 min
Lab File: BP016234.D
Acq: 14 Jul 2023 19:39

Tgt Ion:196 Resp: 374288
Ion Ratio Lower Upper
196 100
198 97.1 79.2 118.8
200 31.8 24.2 36.4

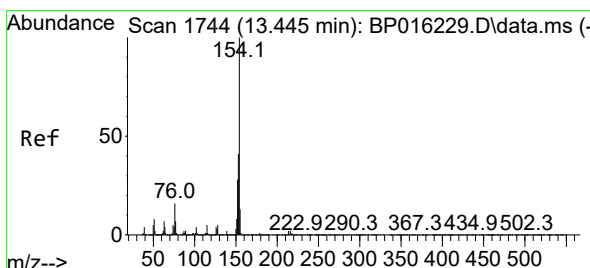
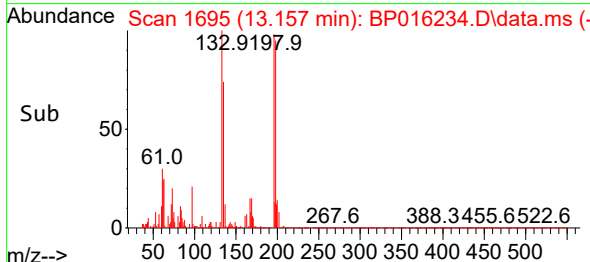
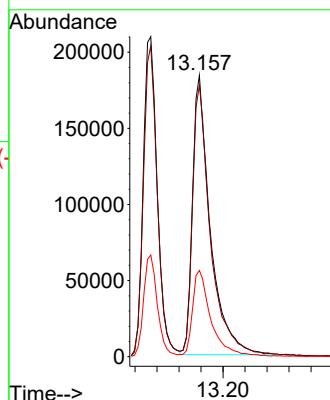
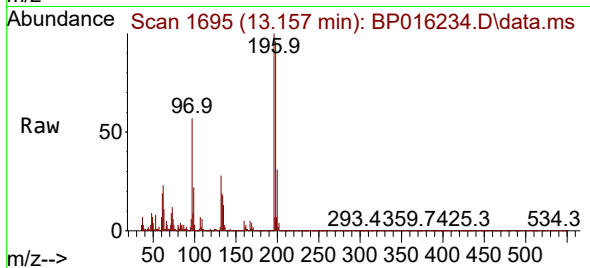




#42
2,4,5-Trichlorophenol
Concen: 51.141 ng/ul
RT: 13.157 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP016234.D
Acq: 14 Jul 2023 19:39

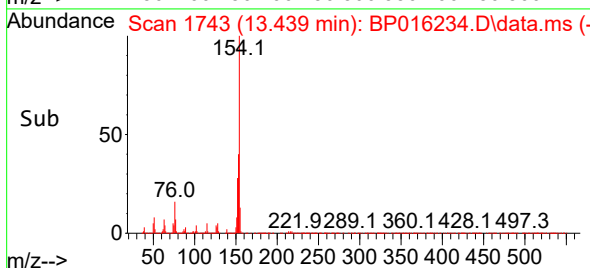
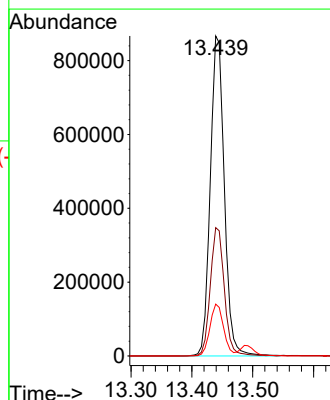
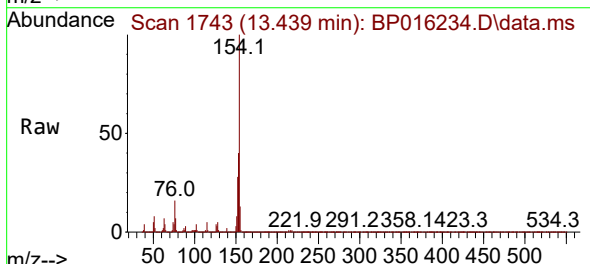
Instrument :
BNA_P
ClientSampleId :
A4634MS

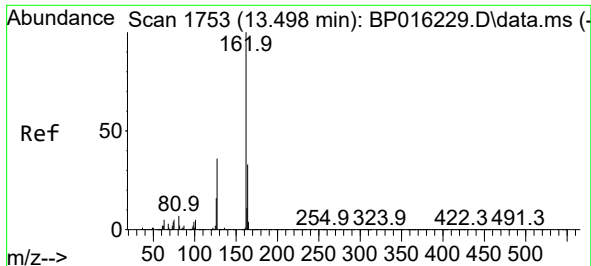
Tgt Ion:196 Resp: 412521
Ion Ratio Lower Upper
196 100
198 96.4 77.4 116.2
200 30.6 25.3 37.9



#43
1,1'-Biphenyl
Concen: 45.275 ng/ul
RT: 13.439 min Scan# 1743
Delta R.T. -0.006 min
Lab File: BP016234.D
Acq: 14 Jul 2023 19:39

Tgt Ion:154 Resp: 1392560
Ion Ratio Lower Upper
154 100
153 40.1 31.1 46.7
76 16.2 12.9 19.3

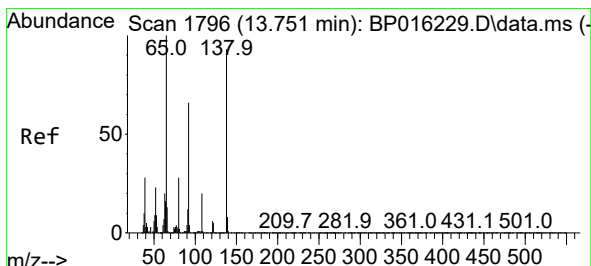
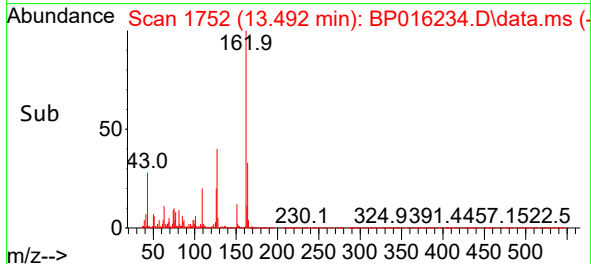
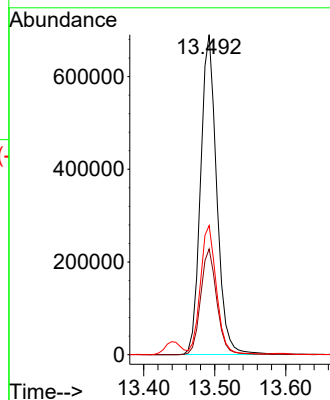
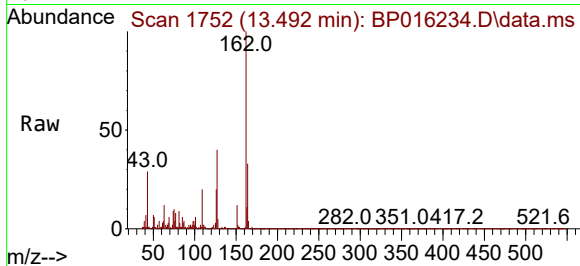




#44
2-Chloronaphthalene
Concen: 45.257 ng/ul
RT: 13.492 min Scan# 1753
Delta R.T. -0.006 min
Lab File: BP016234.D
Acq: 14 Jul 2023 19:39

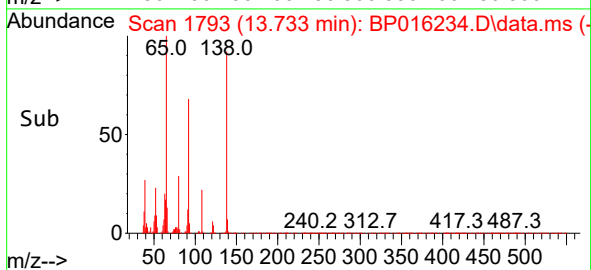
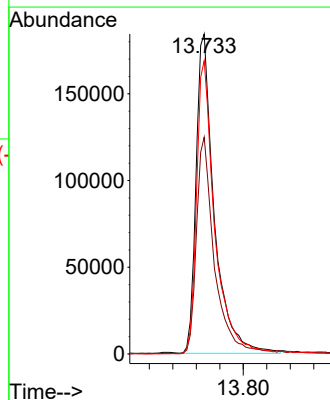
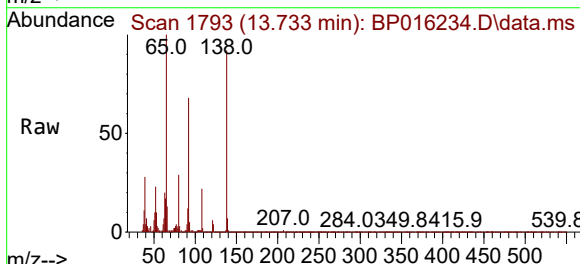
Instrument :
BNA_P
ClientSampleId :
A4634MS

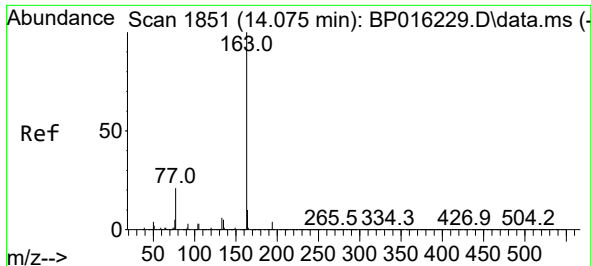
Tgt Ion:162 Resp: 1093674
Ion Ratio Lower Upper
162 100
164 33.0 26.0 39.0
127 40.3 31.2 46.8



#45
2-Nitroaniline
Concen: 50.309 ng/ul
RT: 13.733 min Scan# 1793
Delta R.T. -0.018 min
Lab File: BP016234.D
Acq: 14 Jul 2023 19:39

Tgt Ion: 65 Resp: 396201
Ion Ratio Lower Upper
65 100
92 67.8 54.1 81.1
138 91.7 73.4 110.0

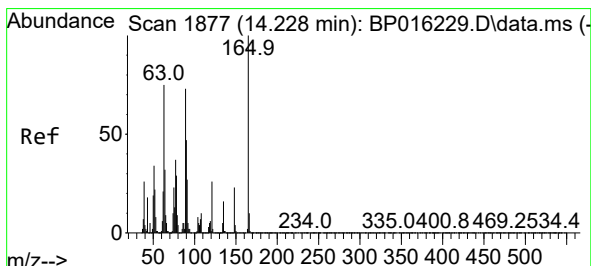
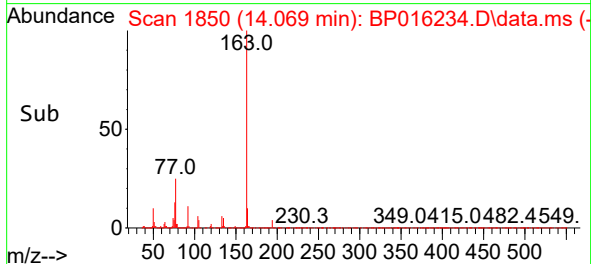
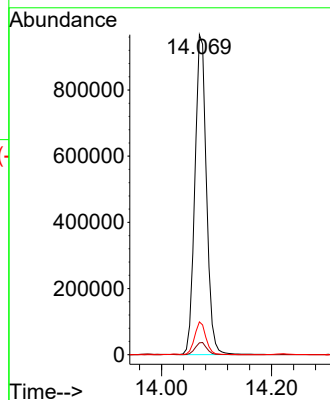
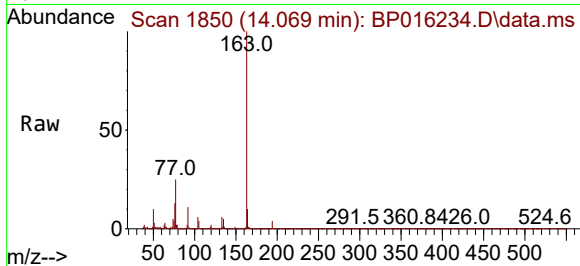




#47
Dimethylphthalate
Concen: 43.325 ng/ul
RT: 14.069 min Scan# 1850
Delta R.T. -0.006 min
Lab File: BP016234.D
Acq: 14 Jul 2023 19:39

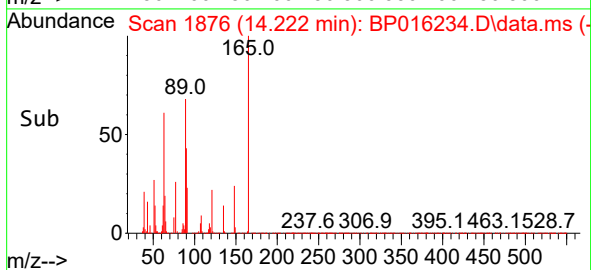
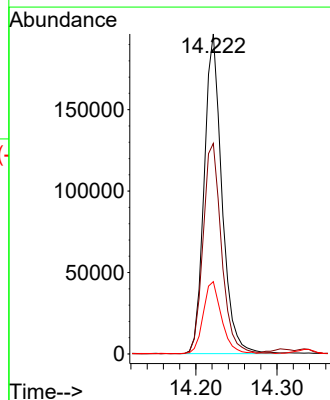
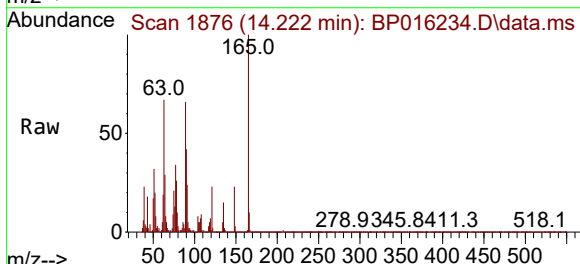
Instrument :
BNA_P
ClientSampleId :
A4634MS

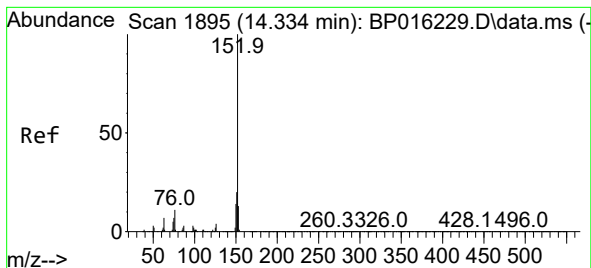
Tgt Ion:163 Resp: 1407459
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.6
164 10.3 8.0 12.0



#48
2,6-Dinitrotoluene
Concen: 48.588 ng/ul
RT: 14.222 min Scan# 1876
Delta R.T. -0.006 min
Lab File: BP016234.D
Acq: 14 Jul 2023 19:39

Tgt Ion:165 Resp: 297570
Ion Ratio Lower Upper
165 100
89 65.8 54.8 82.2
121 22.6 19.4 29.0





#50

Acenaphthylene

Concen: 43.515 ng/ul

RT: 14.333 min Scan# 1895

Delta R.T. -0.000 min

Lab File: BP016234.D

Acq: 14 Jul 2023 19:39

Instrument :

BNA_P

ClientSampleId :

A4634MS

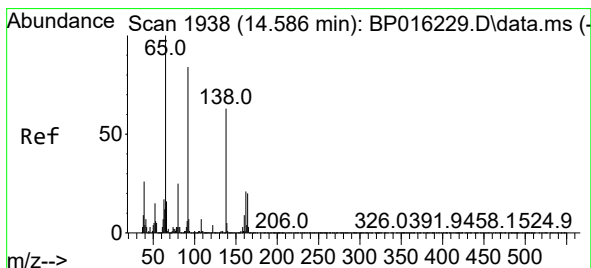
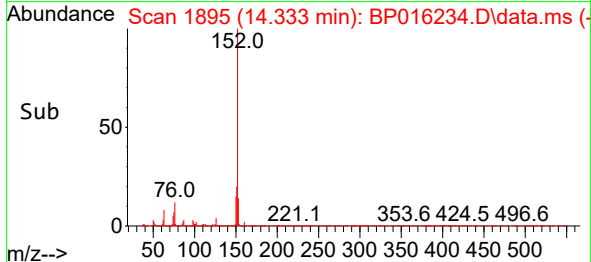
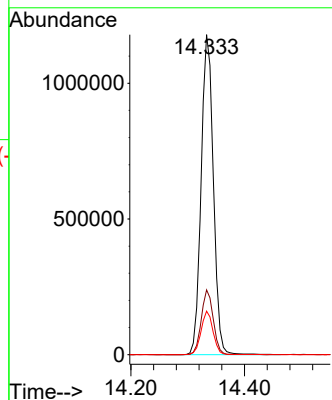
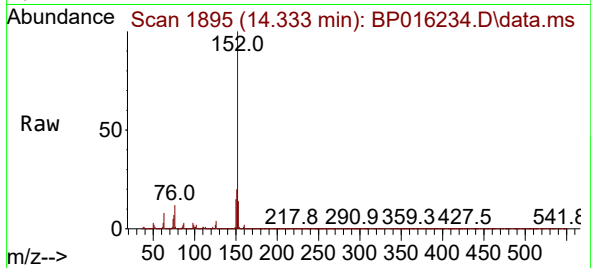
Tgt Ion:152 Resp: 1761704

Ion Ratio Lower Upper

152 100

151 20.3 15.8 23.8

153 13.6 10.2 15.4



#51

3-Nitroaniline

Concen: 48.719 ng/ul

RT: 14.569 min Scan# 1935

Delta R.T. -0.018 min

Lab File: BP016234.D

Acq: 14 Jul 2023 19:39

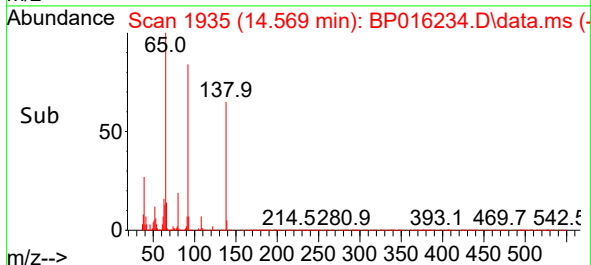
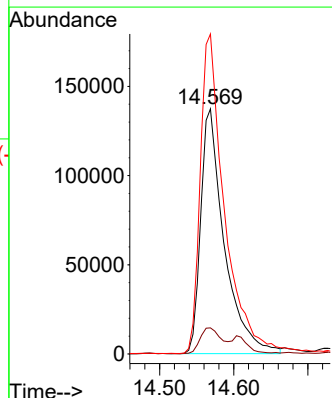
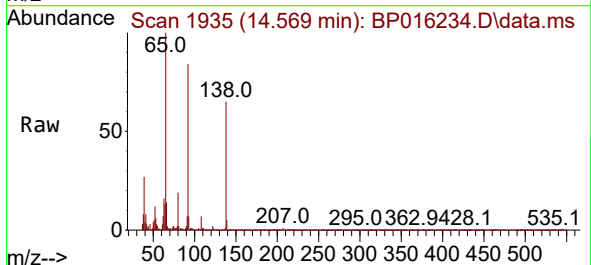
Tgt Ion:138 Resp: 302994

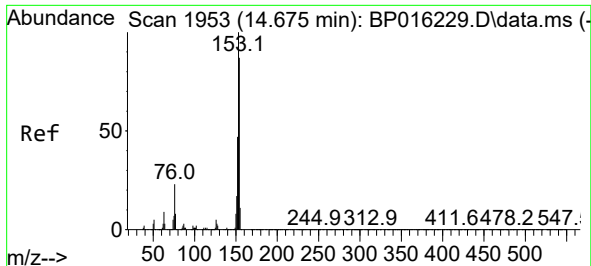
Ion Ratio Lower Upper

138 100

108 10.7 9.6 14.4

92 130.6 109.0 163.4

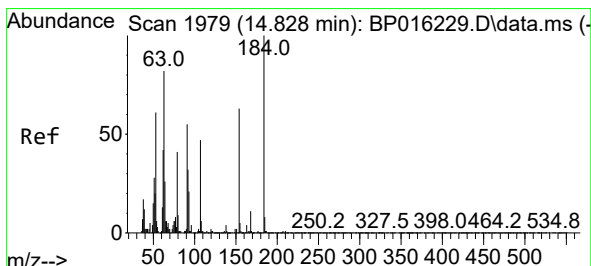
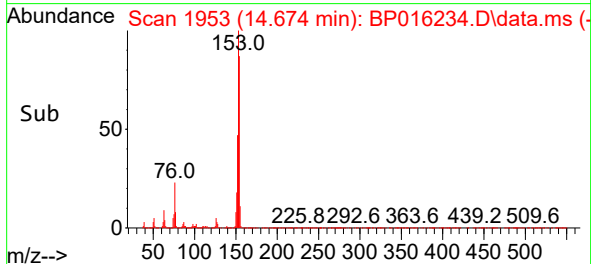
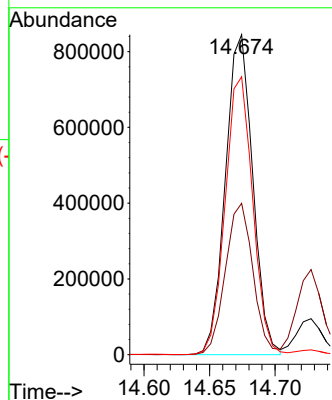
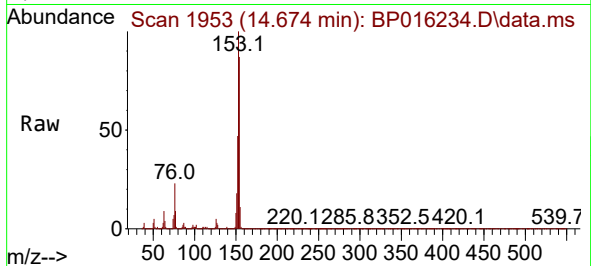




#52
Acenaphthene
Concen: 44.737 ng/ul
RT: 14.674 min Scan# 1953
Delta R.T. -0.000 min
Lab File: BP016234.D
Acq: 14 Jul 2023 19:39

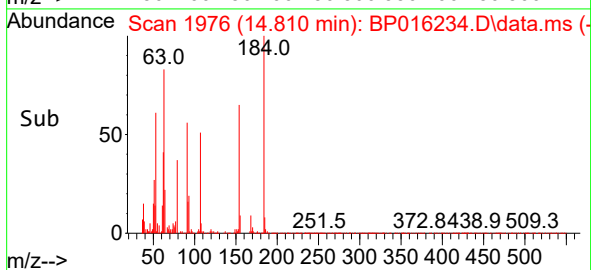
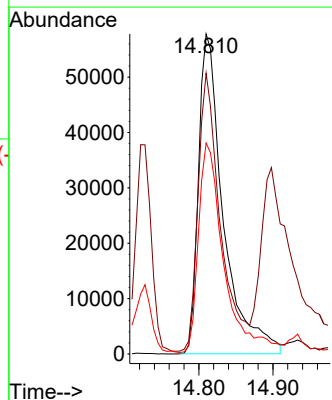
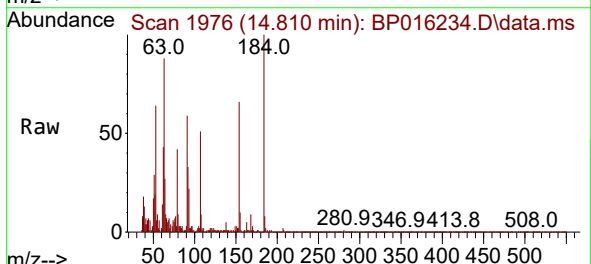
Instrument :
BNA_P
ClientSampleId :
A4634MS

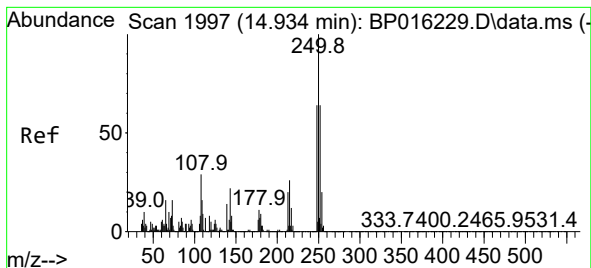
Tgt Ion:153 Resp: 1224969
Ion Ratio Lower Upper
153 100
152 47.3 37.9 56.9
154 86.9 69.3 103.9



#53
2,4-Dinitrophenol
Concen: 31.270 ng/ul
RT: 14.810 min Scan# 1976
Delta R.T. -0.018 min
Lab File: BP016234.D
Acq: 14 Jul 2023 19:39

Tgt Ion:184 Resp: 134039
Ion Ratio Lower Upper
184 100
63 87.7 67.0 100.6
154 65.9 51.5 77.3





#55

4-Nitrophenol

Concen: 45.069 ng/ul

RT: 14.898 min Scan# 1997

Delta R.T. -0.036 min

Lab File: BP016234.D

Acq: 14 Jul 2023 19:39

Instrument :

BNA_P

ClientSampleId :

A4634MS

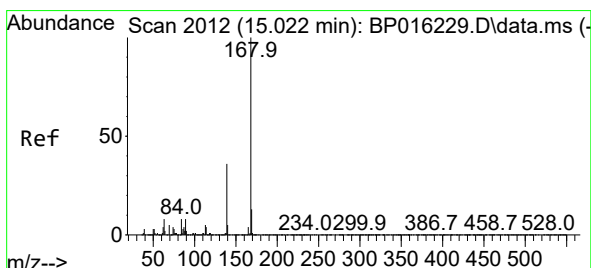
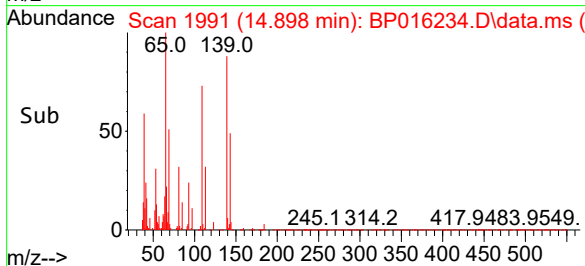
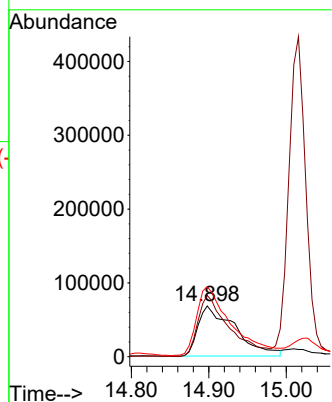
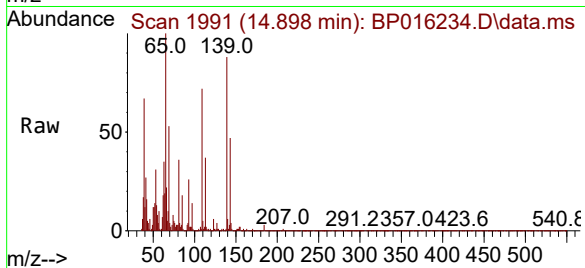
Tgt Ion:109 Resp: 225137

Ion Ratio Lower Upper

109 100

139 120.8 76.8 115.2#

65 138.1 92.2 138.4



#56

Dibenzofuran

Concen: 45.205 ng/ul

RT: 15.016 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BP016234.D

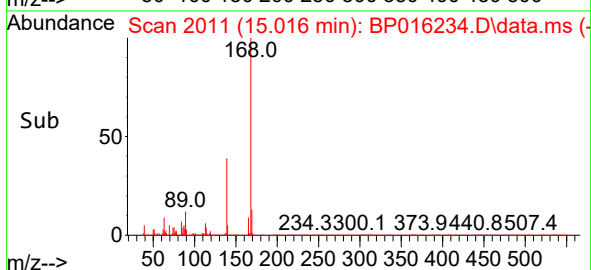
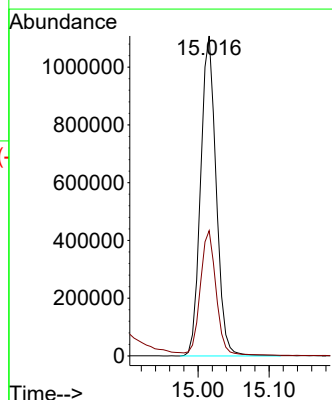
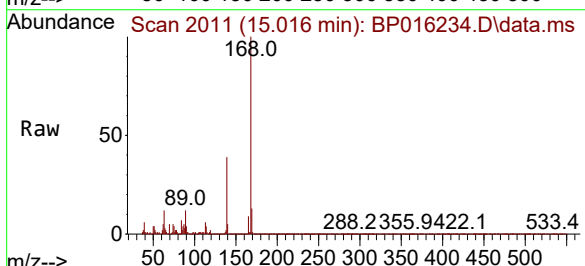
Acq: 14 Jul 2023 19:39

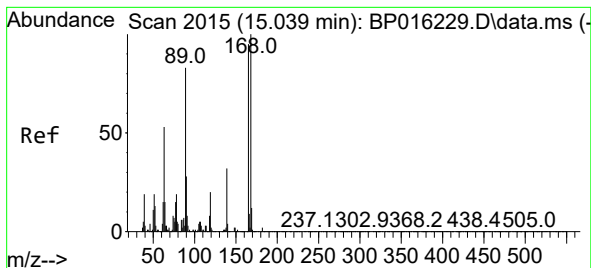
Tgt Ion:168 Resp: 1685991

Ion Ratio Lower Upper

168 100

139 39.1 30.6 45.8





#57

2,4-Dinitrotoluene

Concen: 48.074 ng/ul

RT: 15.027 min Scan# 2013

Delta R.T. -0.012 min

Lab File: BP016234.D

Acq: 14 Jul 2023 19:39

Instrument :

BNA_P

ClientSampleId :

A4634MS

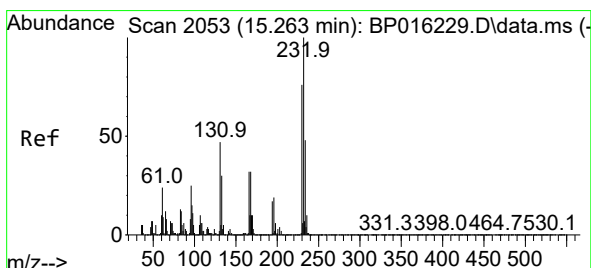
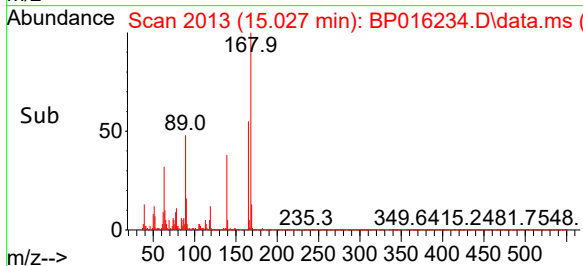
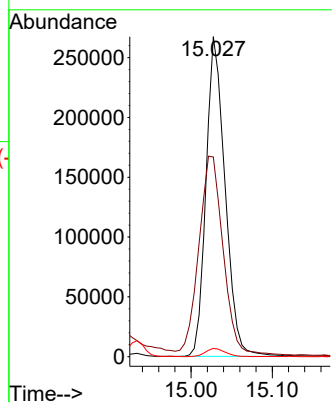
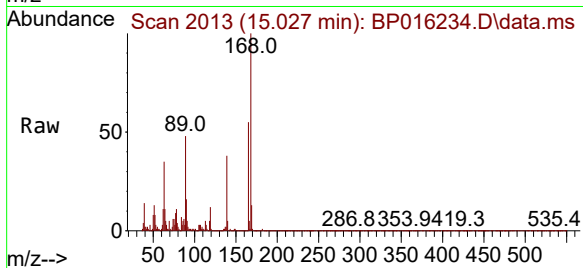
Tgt Ion:165 Resp: 434328

Ion Ratio Lower Upper

165 100

63 62.4 56.9 85.3

182 2.6 2.0 3.0



#58

2,3,4,6-Tetrachlorophenol

Concen: 49.775 ng/ul

RT: 15.257 min Scan# 2052

Delta R.T. -0.006 min

Lab File: BP016234.D

Acq: 14 Jul 2023 19:39

Tgt Ion:232 Resp: 364381

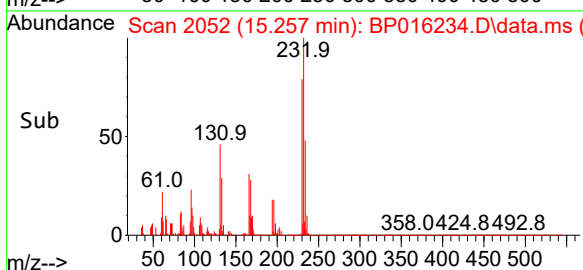
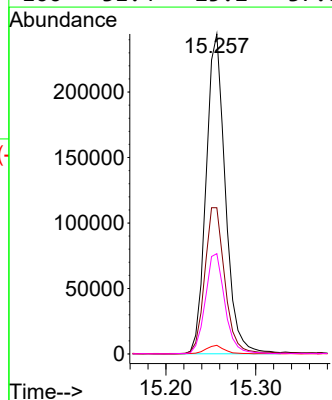
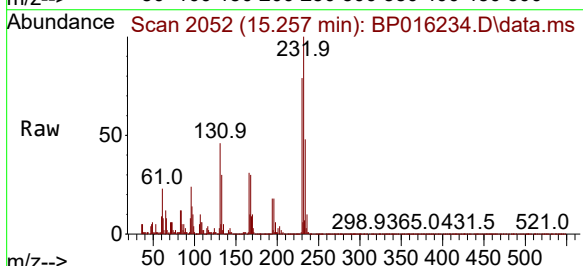
Ion Ratio Lower Upper

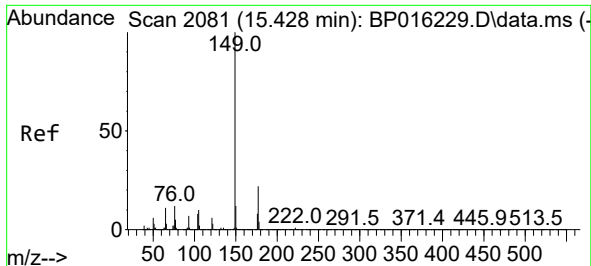
232 100

131 45.7 38.6 57.8

130 2.7 2.2 3.4

166 31.4 25.2 37.8

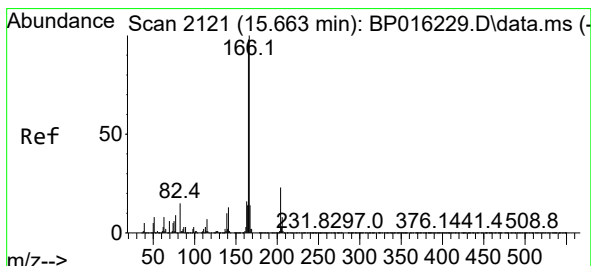
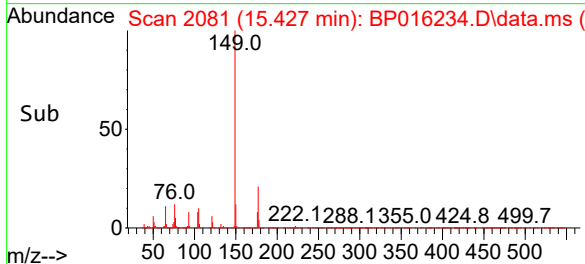
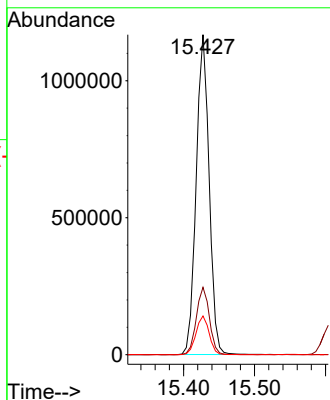
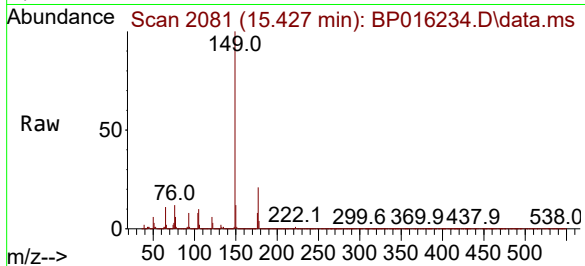




#59
Diethylphthalate
Concen: 43.841 ng/ul
RT: 15.427 min Scan# 2081
Delta R.T. -0.000 min
Lab File: BP016234.D
Acq: 14 Jul 2023 19:39

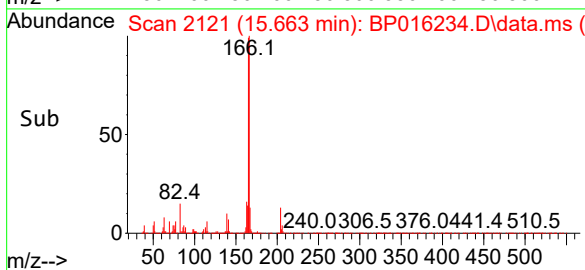
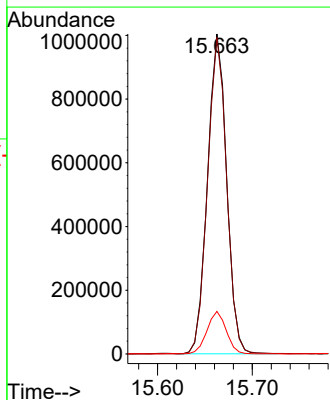
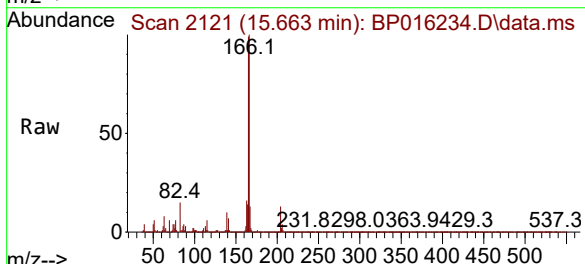
Instrument :
BNA_P
ClientSampleId :
A4634MS

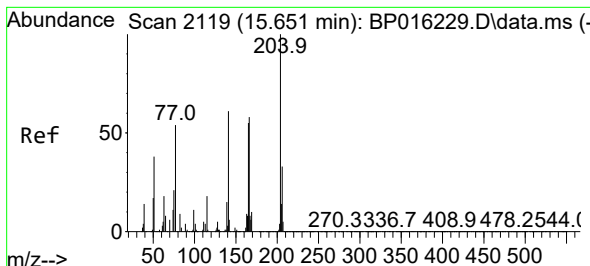
Tgt Ion:149 Resp: 1481069
Ion Ratio Lower Upper
149 100
177 21.0 17.4 26.0
150 12.1 10.2 15.2



#61
Fluorene
Concen: 45.083 ng/ul
RT: 15.663 min Scan# 2121
Delta R.T. -0.000 min
Lab File: BP016234.D
Acq: 14 Jul 2023 19:39

Tgt Ion:166 Resp: 1404650
Ion Ratio Lower Upper
166 100
165 99.0 78.6 117.8
167 13.3 11.0 16.4

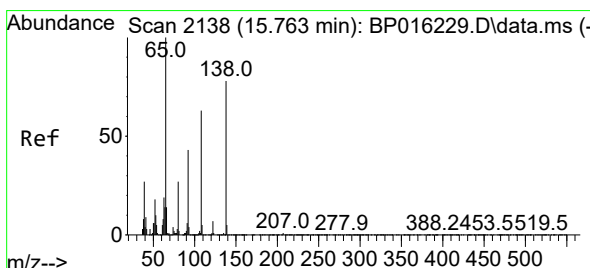
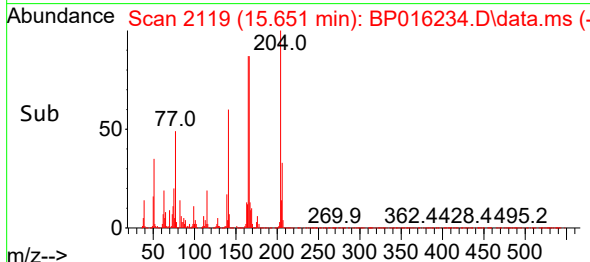
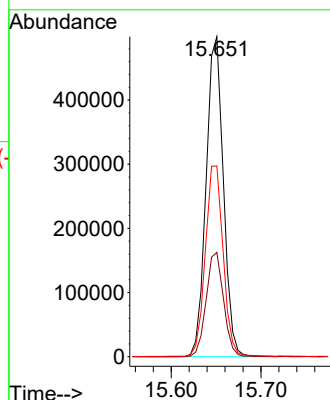
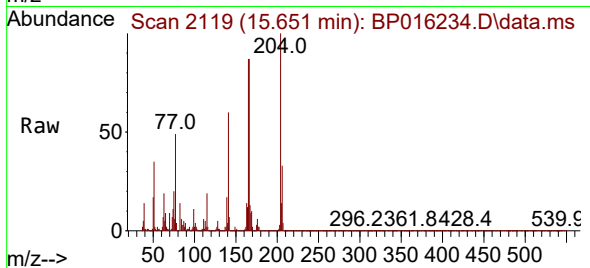




#62
4-Chlorophenyl-phenylether
Concen: 44.239 ng/ul
RT: 15.651 min Scan# 2119
Delta R.T. -0.000 min
Lab File: BP016234.D
Acq: 14 Jul 2023 19:39

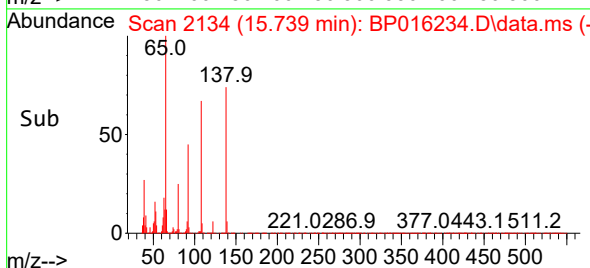
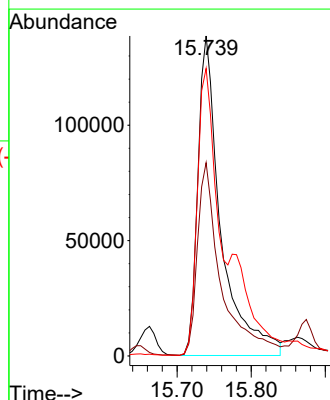
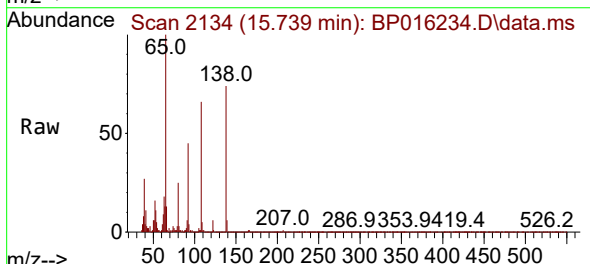
Instrument :
BNA_P
ClientSampleId :
A4634MS

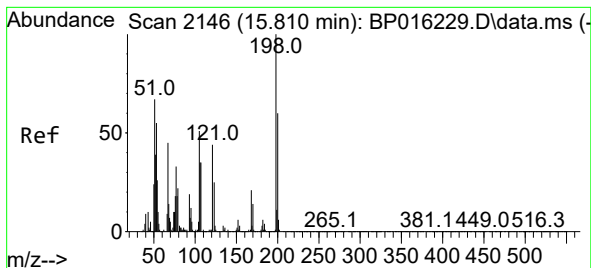
Tgt Ion:204 Resp: 666629
Ion Ratio Lower Upper
204 100
206 32.6 25.4 38.2
141 59.6 48.2 72.2



#63
4-Nitroaniline
Concen: 52.481 ng/ul
RT: 15.739 min Scan# 2134
Delta R.T. -0.024 min
Lab File: BP016234.D
Acq: 14 Jul 2023 19:39

Tgt Ion:138 Resp: 299757
Ion Ratio Lower Upper
138 100
92 60.4 46.6 70.0
108 89.8 68.3 102.5

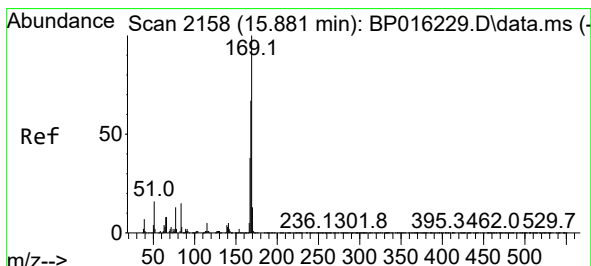
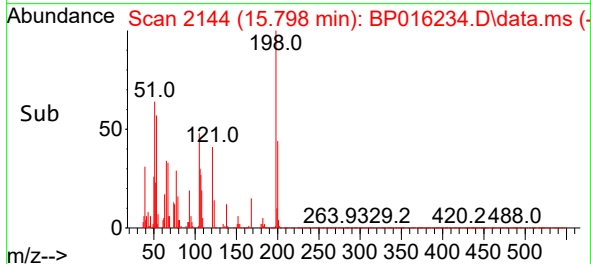
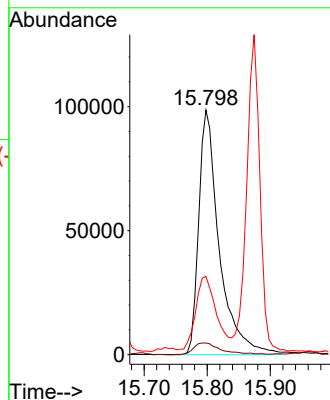
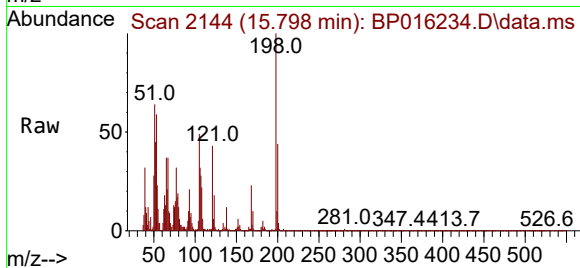




#66
4,6-Dinitro-2-methylphenol
Concen: 36.939 ng/ul
RT: 15.798 min Scan# 2144
Delta R.T. -0.012 min
Lab File: BP016234.D
Acq: 14 Jul 2023 19:39

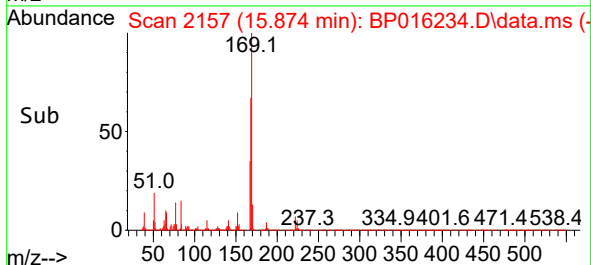
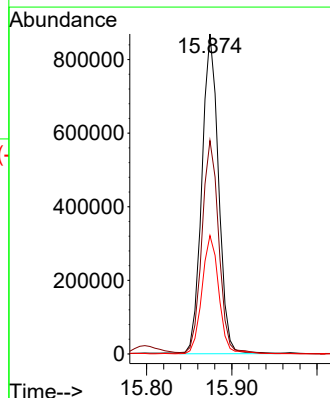
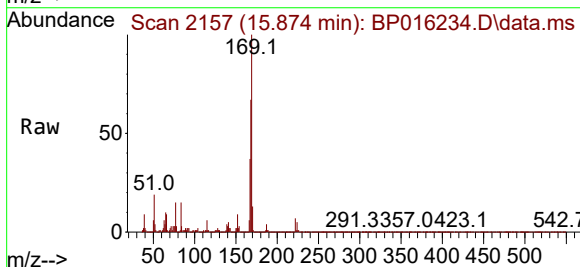
Instrument :
BNA_P
ClientSampleId :
A4634MS

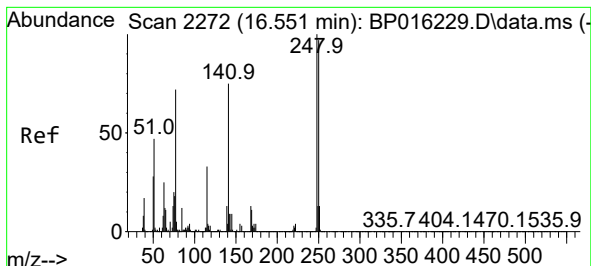
Tgt Ion:198 Resp: 222509
Ion Ratio Lower Upper
198 100
182 4.8 4.3 6.5
77 32.0 26.3 39.5



#67
N-Nitrosodiphenylamine
Concen: 44.624 ng/ul
RT: 15.874 min Scan# 2157
Delta R.T. -0.006 min
Lab File: BP016234.D
Acq: 14 Jul 2023 19:39

Tgt Ion:169 Resp: 1180855
Ion Ratio Lower Upper
169 100
168 66.7 54.2 81.4
167 37.0 30.2 45.4

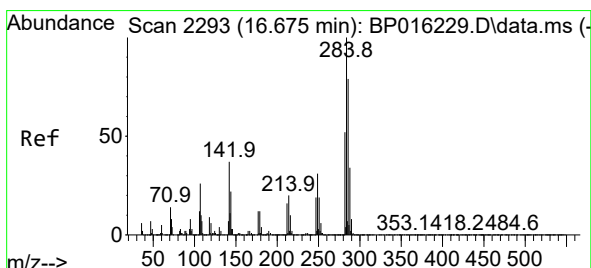
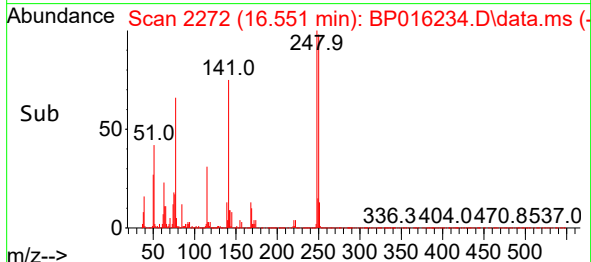
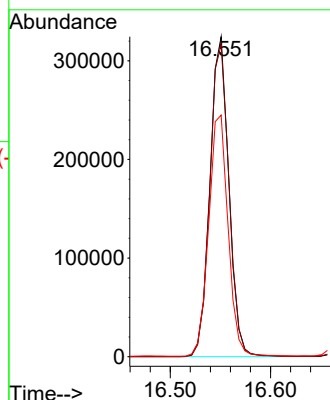
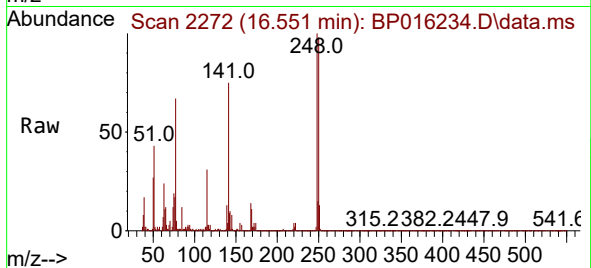




#68
4-Bromophenyl-phenylether
Concen: 44.799 ng/ul
RT: 16.551 min Scan# 2272
Delta R.T. -0.000 min
Lab File: BP016234.D
Acq: 14 Jul 2023 19:39

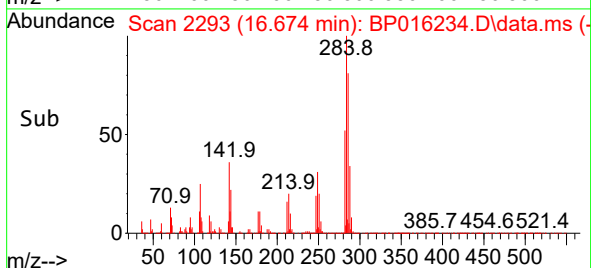
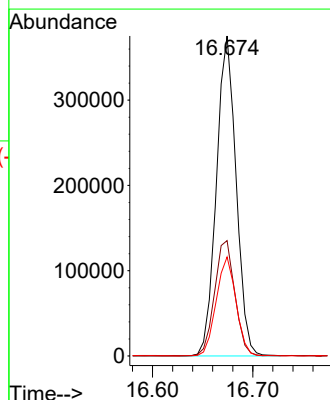
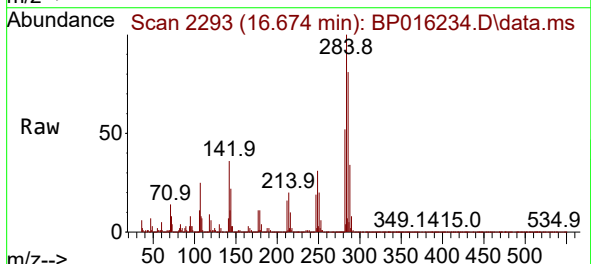
Instrument :
BNA_P
ClientSampleId :
A4634MS

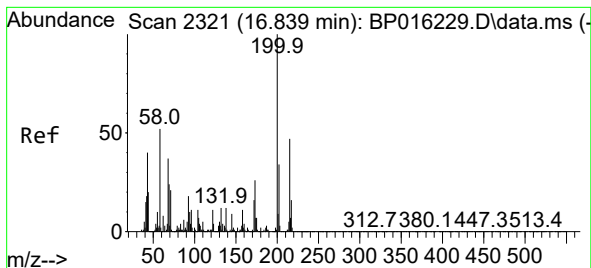
Tgt Ion:248 Resp: 425037
Ion Ratio Lower Upper
248 100
250 97.6 78.4 117.6
141 75.5 61.4 92.2



#69
Hexachlorobenzene
Concen: 44.722 ng/ul
RT: 16.674 min Scan# 2293
Delta R.T. -0.000 min
Lab File: BP016234.D
Acq: 14 Jul 2023 19:39

Tgt Ion:284 Resp: 510983
Ion Ratio Lower Upper
284 100
142 36.0 30.2 45.4
249 31.0 25.0 37.4





#70

Atrazine

Concen: 42.426 ng/ul

RT: 16.833 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP016234.D

Acq: 14 Jul 2023 19:39

Instrument :

BNA_P

ClientSampleId :

A4634MS

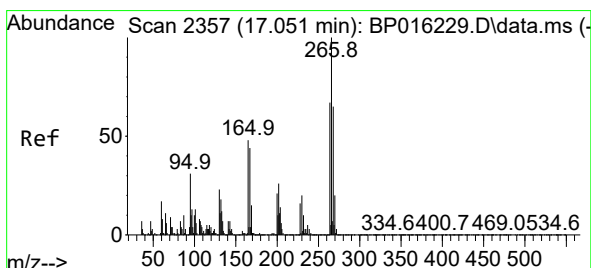
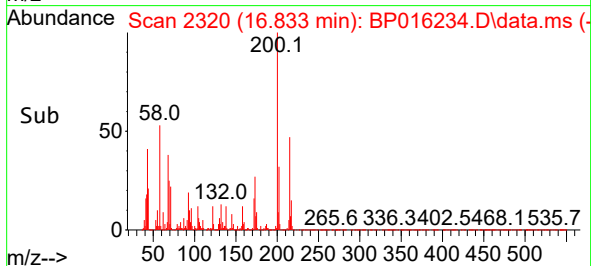
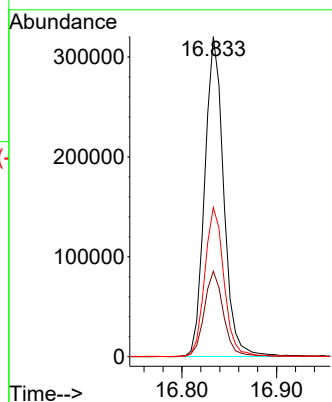
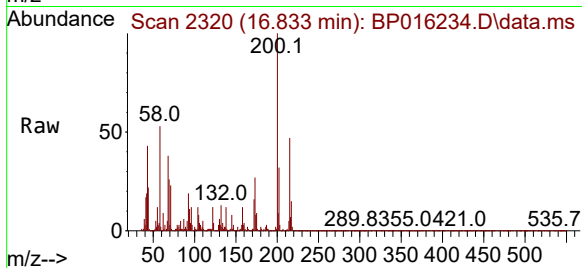
Tgt Ion:200 Resp: 445187

Ion Ratio Lower Upper

200 100

173 26.7 21.8 32.8

215 46.6 38.7 58.1



#71

Pentachlorophenol

Concen: 47.156 ng/ul

RT: 17.039 min Scan# 2355

Delta R.T. -0.012 min

Lab File: BP016234.D

Acq: 14 Jul 2023 19:39

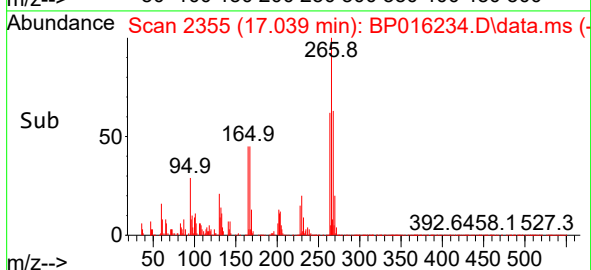
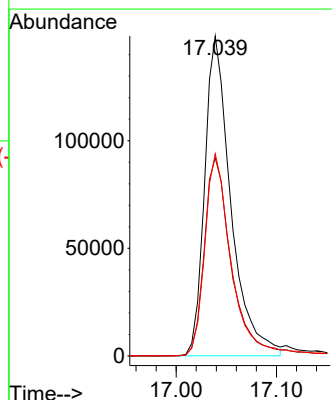
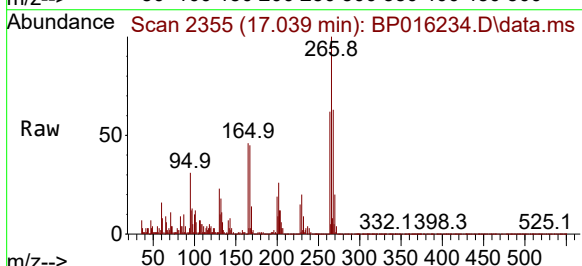
Tgt Ion:266 Resp: 270184

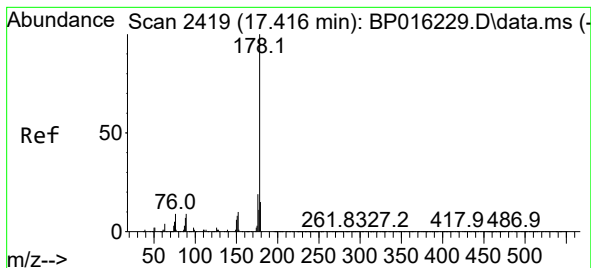
Ion Ratio Lower Upper

266 100

264 61.9 49.8 74.8

268 63.2 49.5 74.3





#72

Phenanthrene

Concen: 45.854 ng/ul

RT: 17.415 min Scan# 2419

Delta R.T. -0.000 min

Lab File: BP016234.D

Acq: 14 Jul 2023 19:39

Instrument :

BNA_P

ClientSampleId :

A4634MS

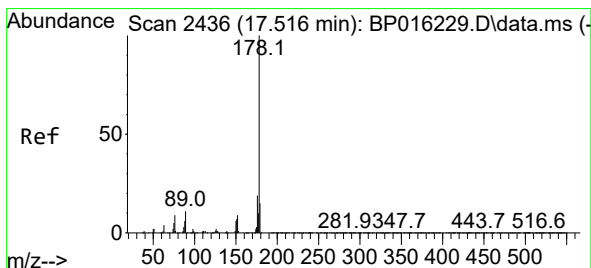
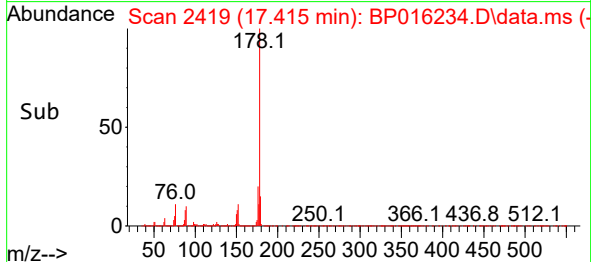
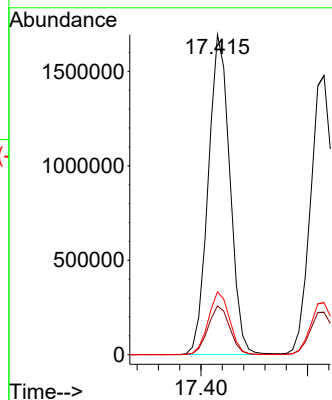
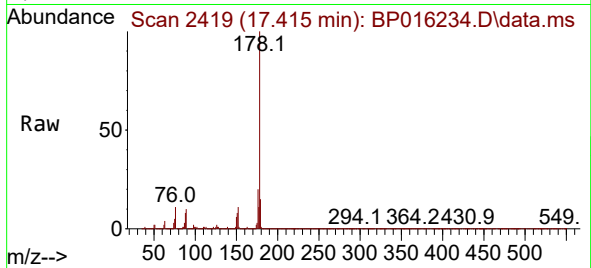
Tgt Ion:178 Resp: 2385253

Ion Ratio Lower Upper

178 100

179 15.3 12.5 18.7

176 19.6 15.6 23.4



#74

Anthracene

Concen: 45.498 ng/ul

RT: 17.515 min Scan# 2436

Delta R.T. -0.000 min

Lab File: BP016234.D

Acq: 14 Jul 2023 19:39

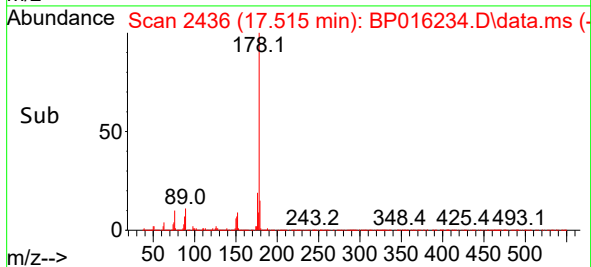
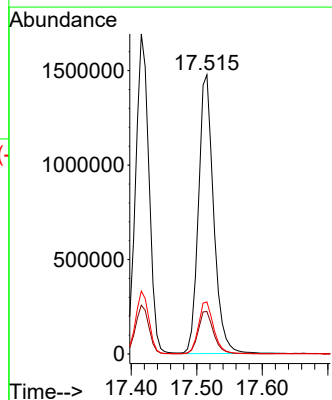
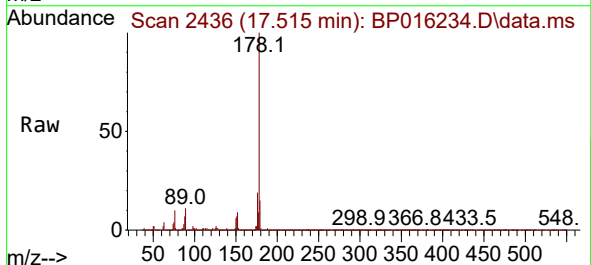
Tgt Ion:178 Resp: 2378191

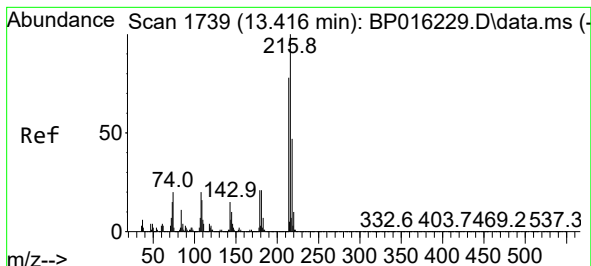
Ion Ratio Lower Upper

178 100

179 15.2 11.9 17.9

176 18.6 15.0 22.4

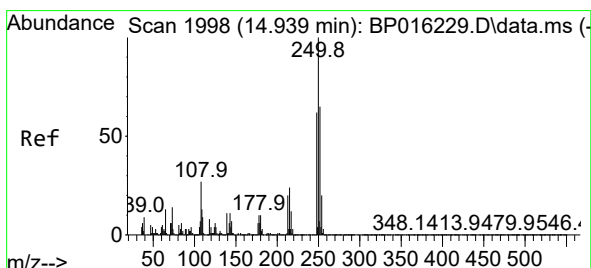
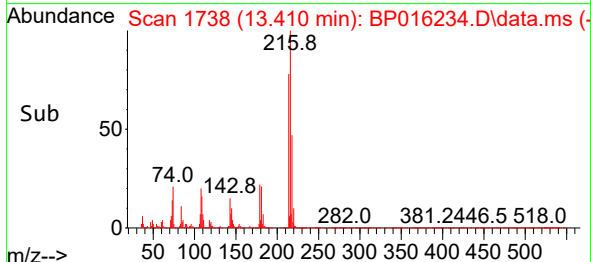
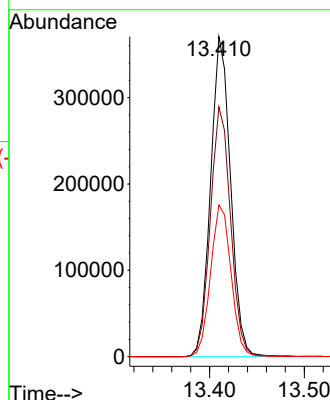
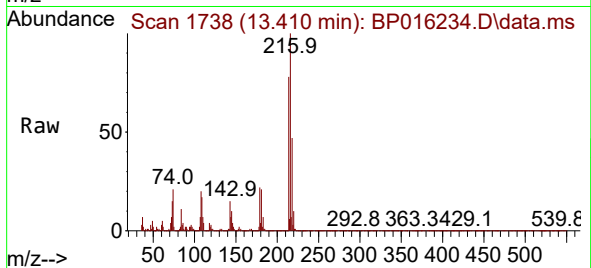




#75
1,2,3,4-Tetrachlorobenzene
Concen: 41.349 ng/uL
RT: 13.410 min Scan# 1738
Delta R.T. -0.006 min
Lab File: BP016234.D
Acq: 14 Jul 2023 19:39

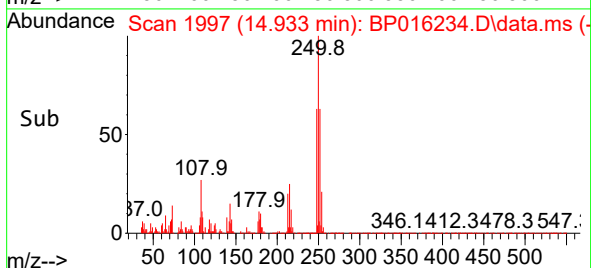
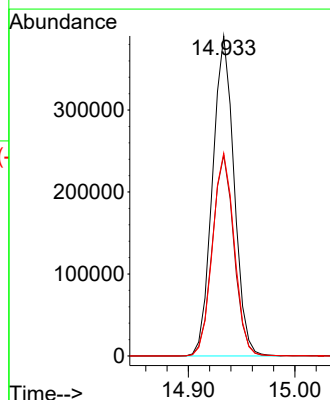
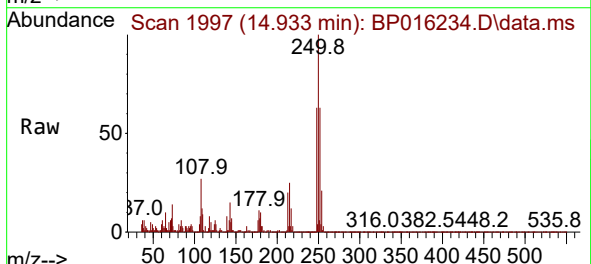
Instrument :
BNA_P
ClientSampleId :
A4634MS

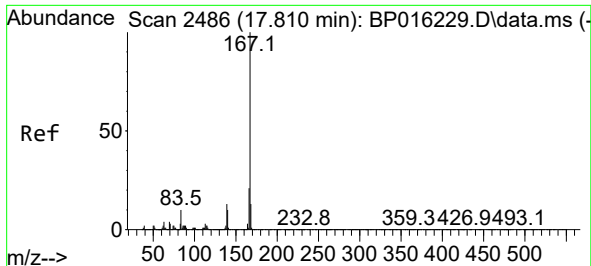
Tgt Ion:216 Resp: 541932
Ion Ratio Lower Upper
216 100
214 78.1 62.6 94.0
218 47.4 38.5 57.7



#76
Pentachlorobenzene
Concen: 44.317 ng/uL
RT: 14.933 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BP016234.D
Acq: 14 Jul 2023 19:39

Tgt Ion:250 Resp: 548256
Ion Ratio Lower Upper
250 100
248 62.8 50.5 75.7
252 63.4 51.7 77.5

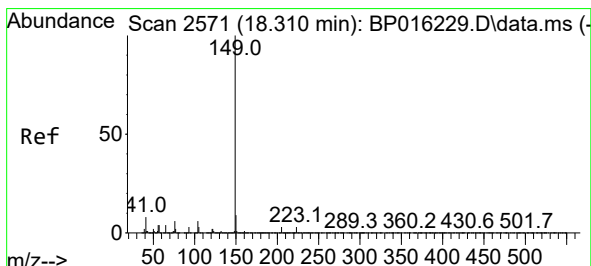
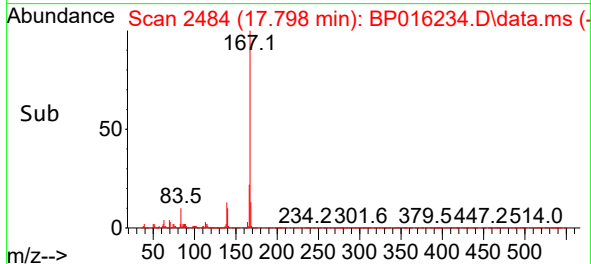
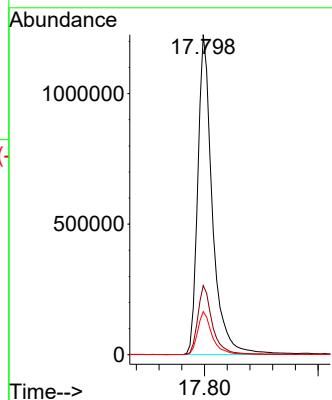
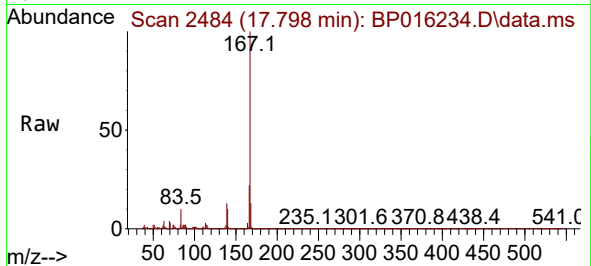




#77
 Carbazole
 Concen: 46.069 ng/ul
 RT: 17.798 min Scan# 2484
 Delta R.T. -0.012 min
 Lab File: BP016234.D
 Acq: 14 Jul 2023 19:39

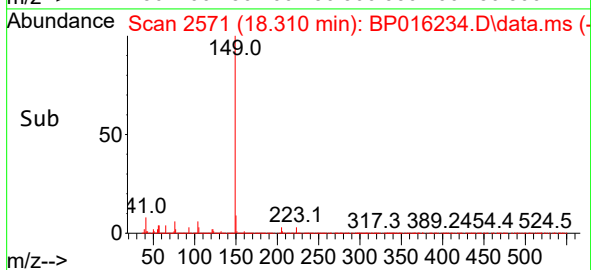
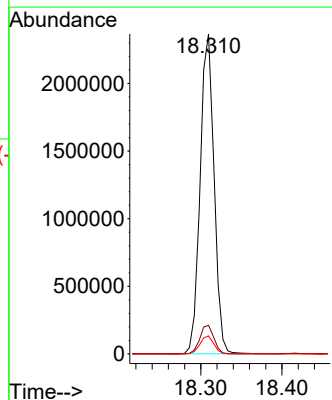
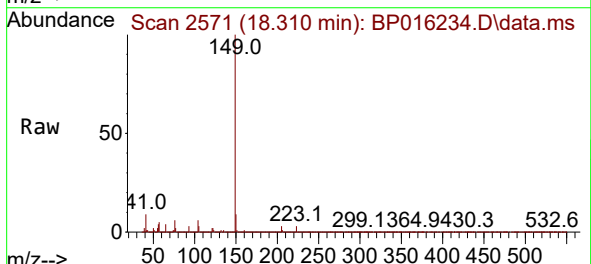
Instrument :
 BNA_P
 ClientSampleId :
 A4634MS

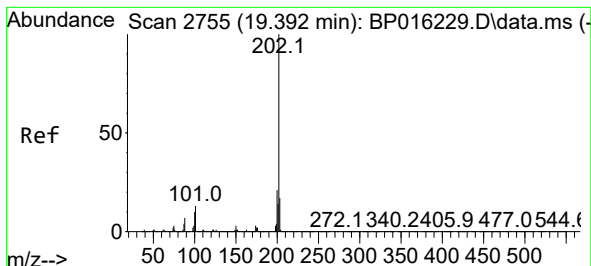
Tgt Ion:167 Resp: 2195525
 Ion Ratio Lower Upper
 167 100
 166 21.6 16.8 25.2
 139 13.5 10.2 15.4



#78
 Di-n-butylphthalate
 Concen: 47.278 ng/ul
 RT: 18.310 min Scan# 2571
 Delta R.T. -0.000 min
 Lab File: BP016234.D
 Acq: 14 Jul 2023 19:39

Tgt Ion:149 Resp: 2822447
 Ion Ratio Lower Upper
 149 100
 150 8.9 7.4 11.0
 104 5.7 4.6 7.0





#80

Fluoranthene

Concen: 49.027 ng/ul

RT: 19.386 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP016234.D

Acq: 14 Jul 2023 19:39

Instrument :

BNA_P

ClientSampleId :

A4634MS

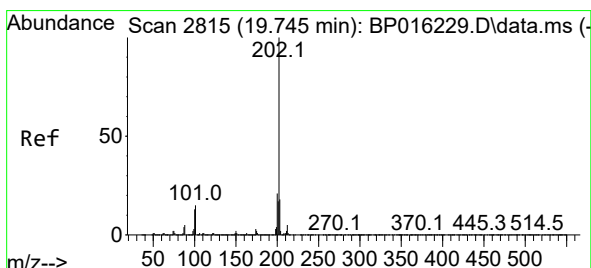
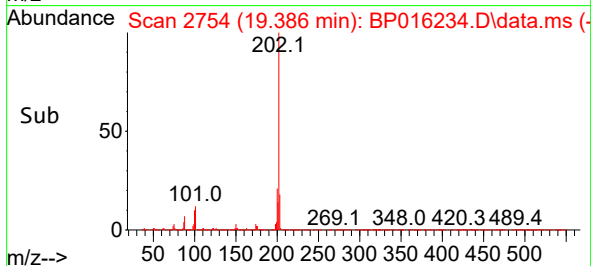
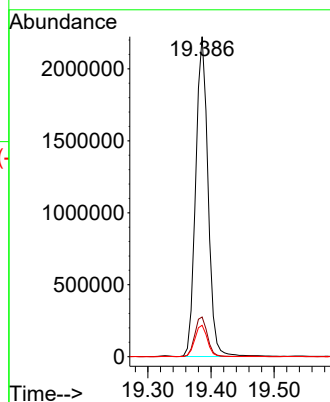
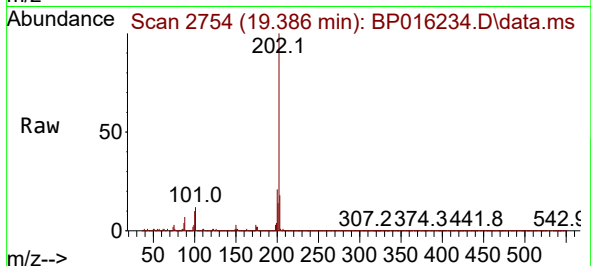
Tgt Ion:202 Resp: 3016020

Ion Ratio Lower Upper

202 100

101 12.4 10.4 15.6

100 9.8 8.2 12.4



#82

Pyrene

Concen: 47.865 ng/ul

RT: 19.739 min Scan# 2814

Delta R.T. -0.006 min

Lab File: BP016234.D

Acq: 14 Jul 2023 19:39

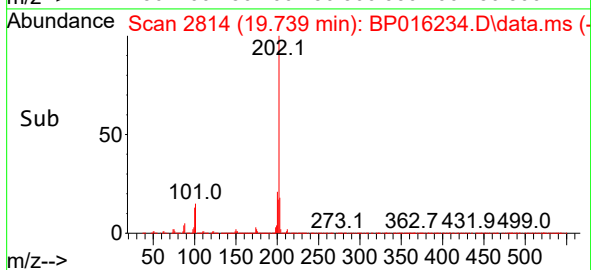
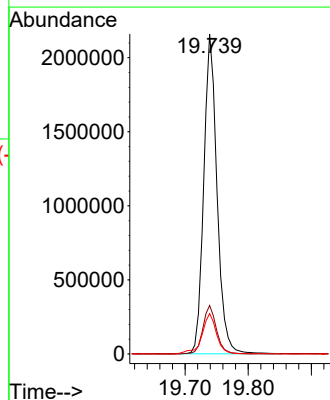
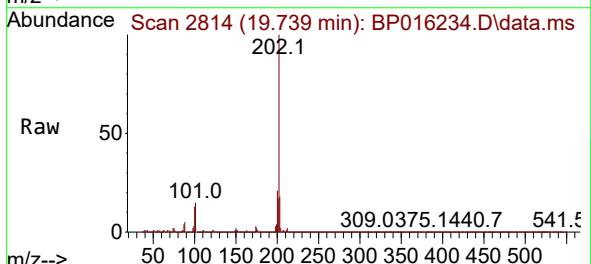
Tgt Ion:202 Resp: 3143830

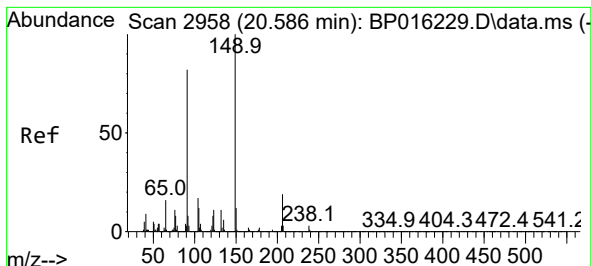
Ion Ratio Lower Upper

202 100

101 15.1 12.4 18.6

100 12.6 10.5 15.7





#83

Butylbenzylphthalate

Concen: 50.174 ng/ul

RT: 20.586 min Scan# 2958

Delta R.T. -0.000 min

Lab File: BP016234.D

Acq: 14 Jul 2023 19:39

Instrument :

BNA_P

ClientSampleId :

A4634MS

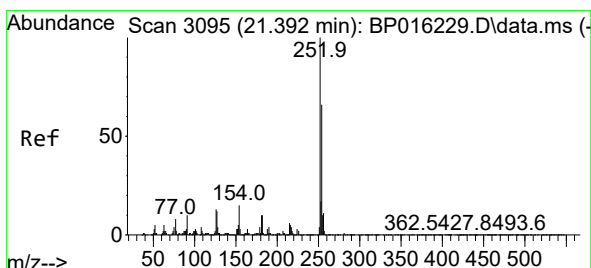
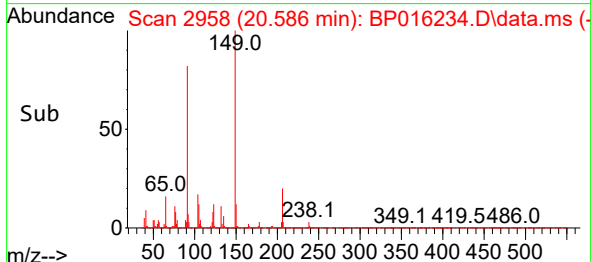
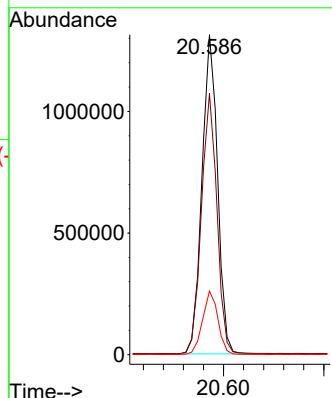
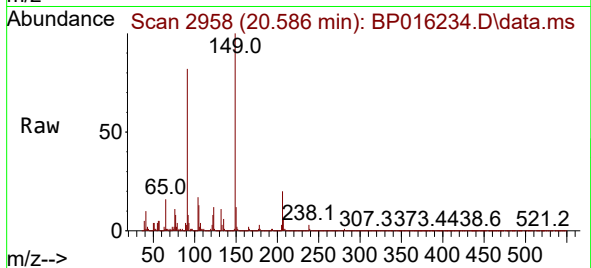
Tgt Ion:149 Resp: 1421242

Ion Ratio Lower Upper

149 100

91 81.7 67.1 100.7

206 19.9 15.0 22.4



#84

3,3'-Dichlorobenzidine

Concen: 37.740 ng/ul

RT: 21.386 min Scan# 3094

Delta R.T. -0.006 min

Lab File: BP016234.D

Acq: 14 Jul 2023 19:39

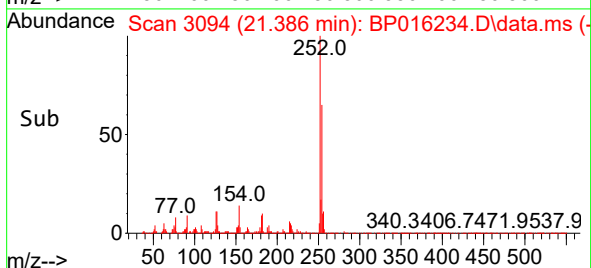
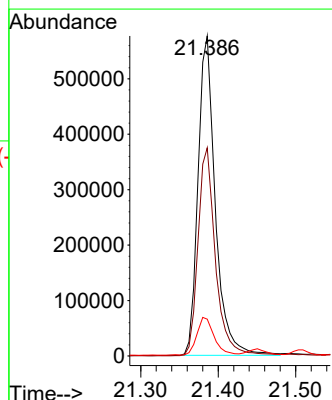
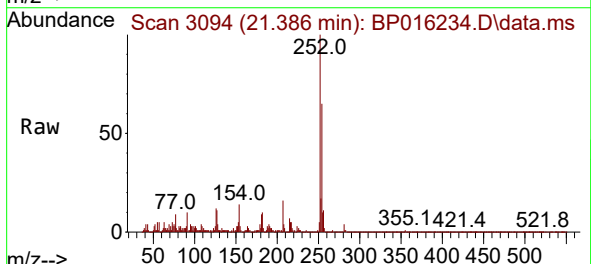
Tgt Ion:252 Resp: 894001

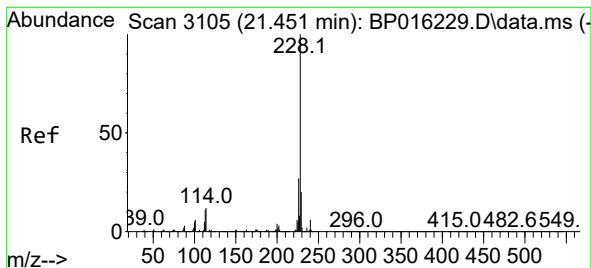
Ion Ratio Lower Upper

252 100

254 65.0 50.6 76.0

126 11.5 9.4 14.0





#85

Benzo(a)anthracene

Concen: 47.390 ng/ul

RT: 21.451 min Scan# 3105

Delta R.T. -0.000 min

Lab File: BP016234.D

Acq: 14 Jul 2023 19:39

Instrument :

BNA_P

ClientSampleId :

A4634MS

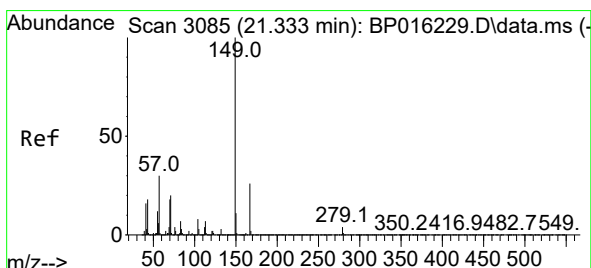
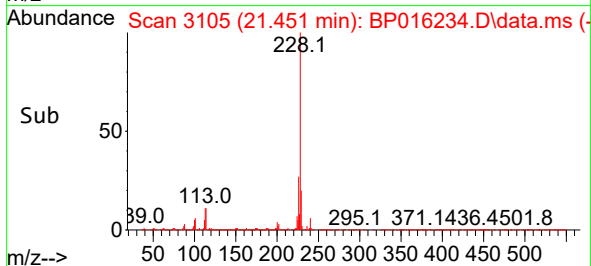
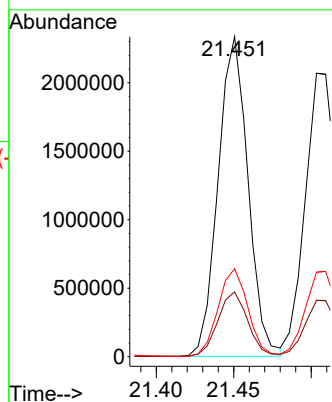
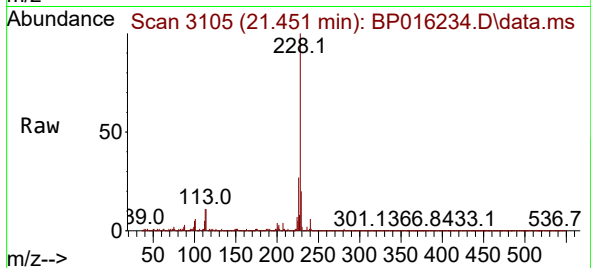
Tgt Ion:228 Resp: 3128724

Ion Ratio Lower Upper

228 100

229 20.2 15.5 23.3

226 27.5 21.5 32.3



#86

Bis(2-ethylhexyl)phthalate

Concen: 51.536 ng/ul

RT: 21.333 min Scan# 3085

Delta R.T. -0.000 min

Lab File: BP016234.D

Acq: 14 Jul 2023 19:39

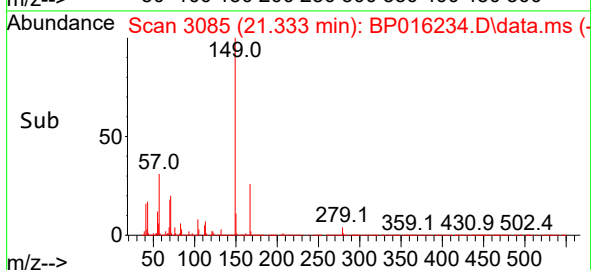
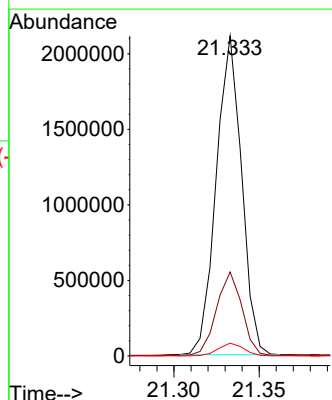
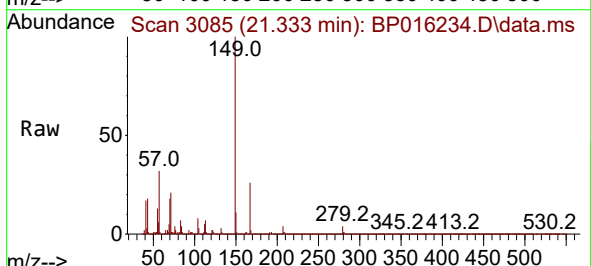
Tgt Ion:149 Resp: 2180777

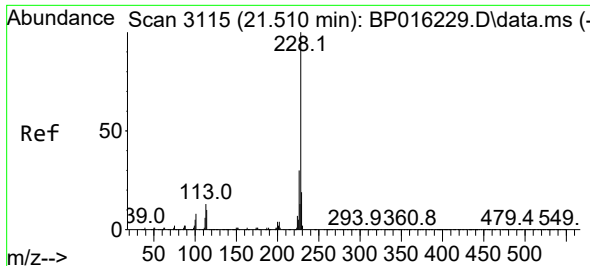
Ion Ratio Lower Upper

149 100

167 26.3 21.0 31.4

279 4.0 3.0 4.6

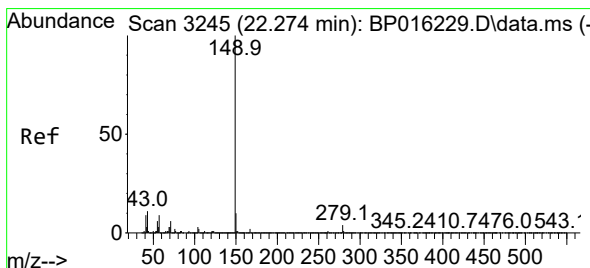
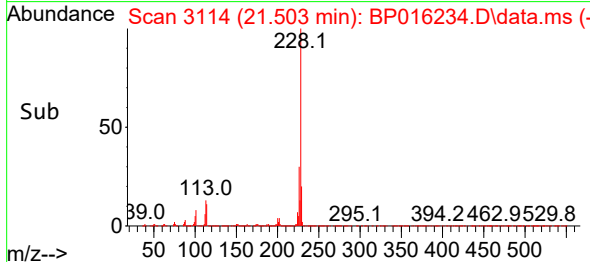
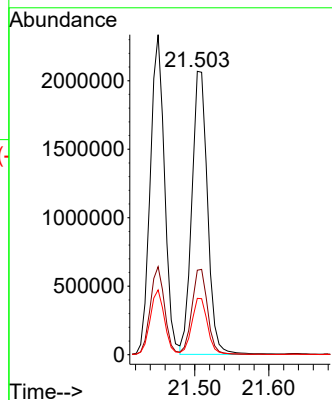
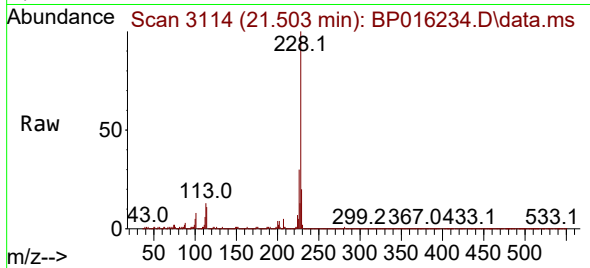




#87
Chrysene
Concen: 45.481 ng/ul
RT: 21.503 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BP016234.D
Acq: 14 Jul 2023 19:39

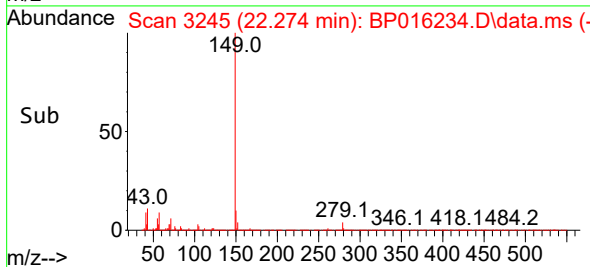
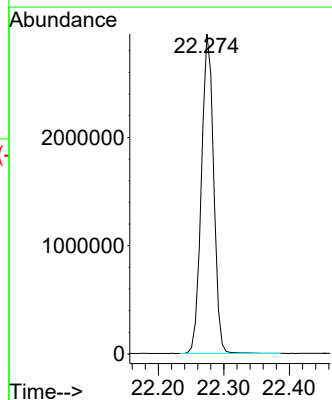
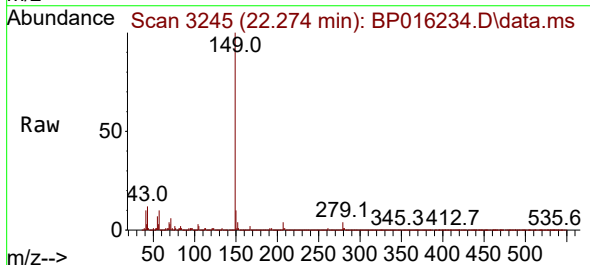
Instrument :
BNA_P
ClientSampleId :
A4634MS

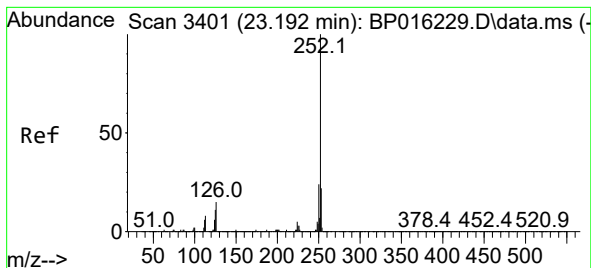
Tgt Ion:228 Resp: 3041792
Ion Ratio Lower Upper
228 100
226 29.8 24.0 36.0
229 19.9 15.5 23.3



#89
Di-n-octyl phthalate
Concen: 49.742 ng/ul
RT: 22.274 min Scan# 3245
Delta R.T. -0.000 min
Lab File: BP016234.D
Acq: 14 Jul 2023 19:39

Tgt Ion:149 Resp: 3847020





#90

Benzo(b)fluoranthene

Concen: 48.963 ng/ul

RT: 23.192 min Scan# 3401

Delta R.T. -0.000 min

Lab File: BP016234.D

Acq: 14 Jul 2023 19:39

Instrument :

BNA_P

ClientSampleId :

A4634MS

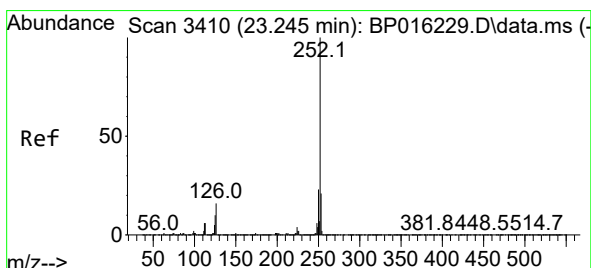
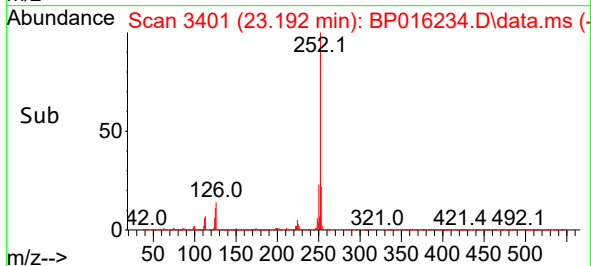
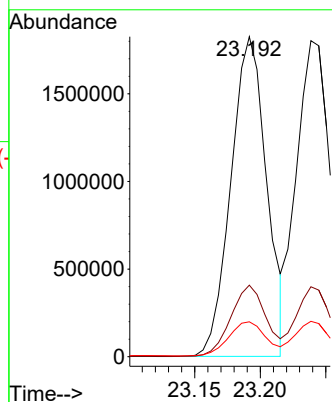
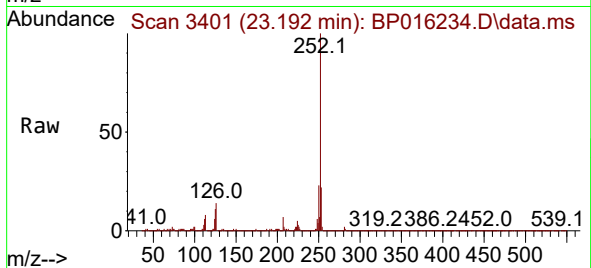
Tgt Ion:252 Resp: 3453336

Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

125 10.9 9.4 14.0



#91

Benzo(k)fluoranthene

Concen: 46.471 ng/ul

RT: 23.239 min Scan# 3409

Delta R.T. -0.006 min

Lab File: BP016234.D

Acq: 14 Jul 2023 19:39

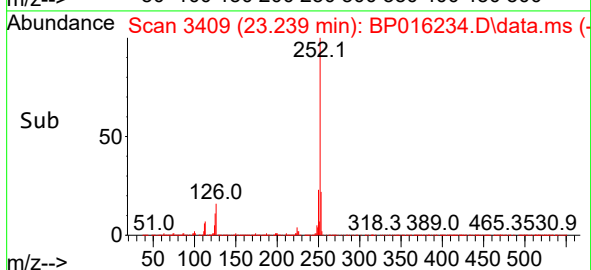
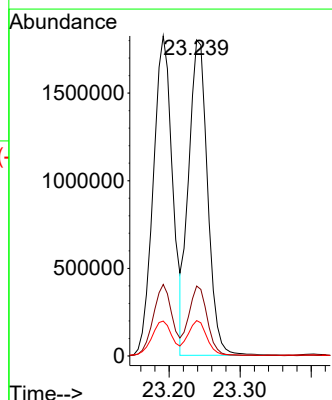
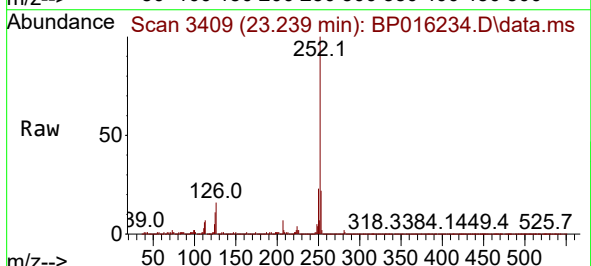
Tgt Ion:252 Resp: 3335415

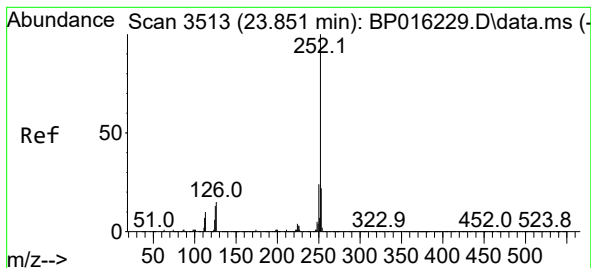
Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

125 11.2 9.3 13.9





#93

Benzo(a)pyrene

Concen: 43.350 ng/ul

RT: 23.850 min Scan# 3

Delta R.T. -0.000 min

Lab File: BP016234.D

Acq: 14 Jul 2023 19:39

Instrument :

BNA_P

ClientSampleId :

A4634MS

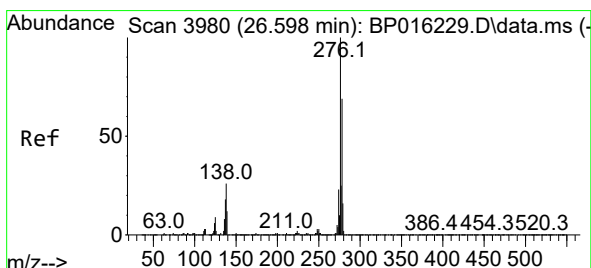
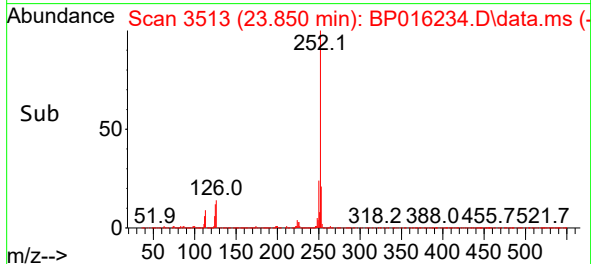
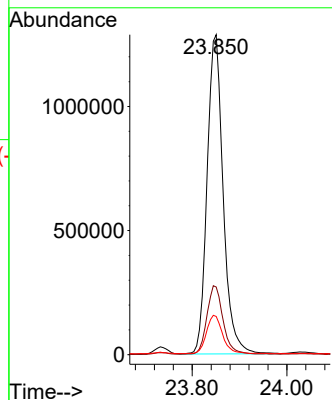
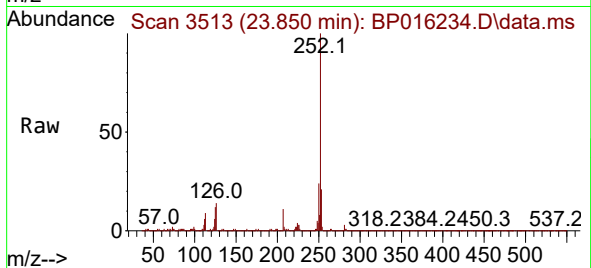
Tgt Ion:252 Resp: 3028754

Ion Ratio Lower Upper

252 100

253 21.1 17.2 25.8

125 11.9 9.8 14.6



#94

Indeno(1,2,3-cd)pyrene

Concen: 42.291 ng/ul

RT: 26.591 min Scan# 3979

Delta R.T. -0.006 min

Lab File: BP016234.D

Acq: 14 Jul 2023 19:39

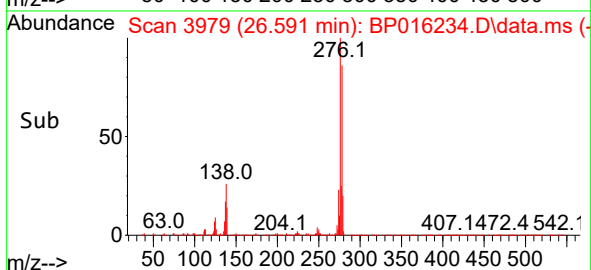
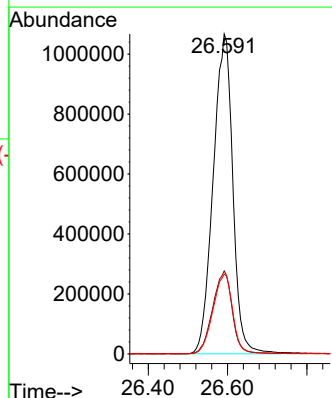
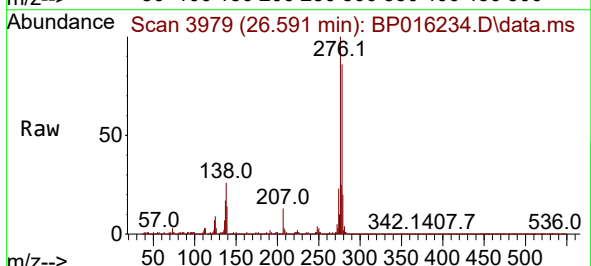
Tgt Ion:276 Resp: 3658852

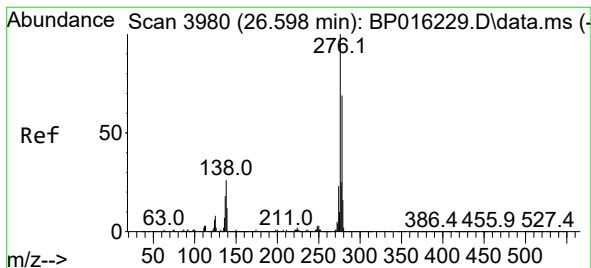
Ion Ratio Lower Upper

276 100

138 26.0 20.8 31.2

277 25.0 19.8 29.8





#95

Dibenzo(a,h)anthracene

Concen: 42.763 ng/ul

RT: 26.591 min Scan# 3980

Delta R.T. -0.006 min

Lab File: BP016234.D

Acq: 14 Jul 2023 19:39

Instrument :

BNA_P

ClientSampleId :

A4634MS

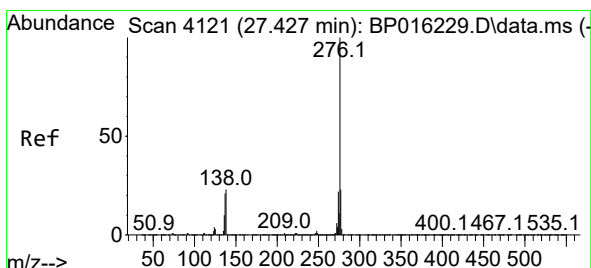
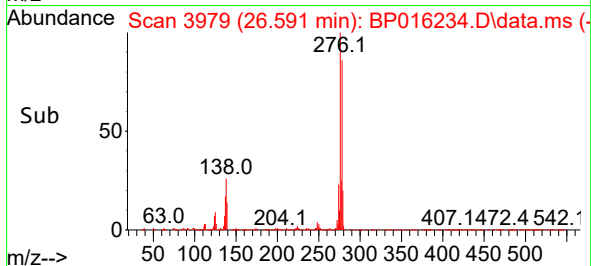
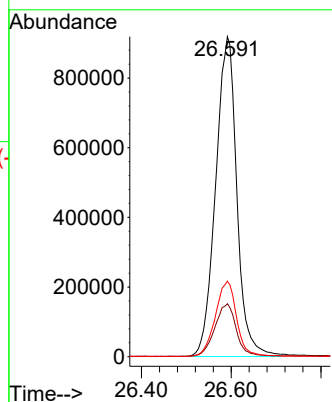
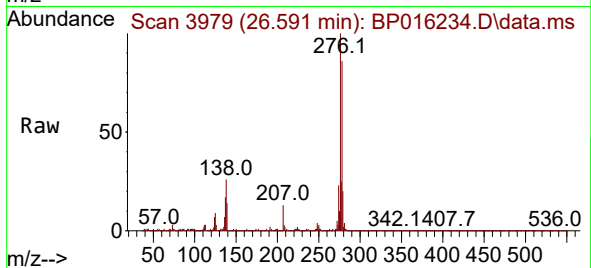
Tgt Ion:278 Resp: 3017765

Ion Ratio Lower Upper

278 100

139 16.6 13.9 20.9

279 23.6 18.2 27.4



#96

Benzo(g,h,i)perylene

Concen: 42.126 ng/ul

RT: 27.403 min Scan# 4117

Delta R.T. -0.024 min

Lab File: BP016234.D

Acq: 14 Jul 2023 19:39

Tgt Ion:276 Resp: 2909147

Ion Ratio Lower Upper

276 100

138 22.6 19.0 28.4

277 23.7 19.0 28.4

