

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071323\
 Data File : BP016212.D
 Acq On : 13 Jul 2023 17:21
 Operator : MA/JU
 Sample : 03414-21MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4634MSD

Quant Time: Jul 14 00:44:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071223.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 13 18:57:06 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.969	152	132617	20.000	ng/u1	0.00
20) Naphthalene-d8	10.787	136	629567	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.616	164	426015	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.386	188	993488	20.000	ng/u1	0.00
79) Chrysene-d12	21.480	240	1010801	20.000	ng/u1	0.00
88) Perylene-d12	23.980	264	1212068	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.352	96	54	0.014	ng/uL	0.06
4) Pyridine-d5	3.746	84	296	0.032	ng/u1	0.00
7) Phenol-d5	7.187	99	63879	5.333	ng/u1	0.03
9) Bis-(2-Chloroethyl)eth...	7.310	67	40018	4.941	ng/u1	0.01
11) 2-Chlorophenol-d4	7.516	132	49166	5.686	ng/u1	0.02
15) 4-Methylphenol-d8	8.704	113	39	0.004	ng/u1	0.00
21) Nitrobenzene-d5	9.193	128	22171	5.105	ng/u1	0.04
24) 2-Nitrophenol-d4	9.928	143	24427	4.934	ng/u1	0.04
28) 2,4-Dichlorophenol-d3	10.522	165	36776	4.290	ng/u1	0.06
31) 4-Chloroaniline-d4	10.993	131	17	0.001	ng/u1	0.02
46) Dimethylphthalate-d6	14.040	166	201957	6.215	ng/u1	0.00
49) Acenaphthylene-d8	14.316	160	211463	5.938	ng/u1	0.00
54) 4-Nitrophenol-d4	14.951	143	23962	3.613	ng/u1	0.01
60) Fluorene-d10	15.622	176	184405	6.780	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.845	200	14615	2.548	ng/u1	0.05
73) Anthracene-d10	17.498	188	252764	5.816	ng/u1	0.01
81) Pyrene-d10	19.722	212	349956	6.672	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.815	264	273125	4.692	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.328	88	8728	2.123	ng/uL#	86
6) Benzaldehyde	7.152	77	45154	6.037	ng/u1	96
8) Phenol	7.210	94	84389	6.572	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.405	93	61795	5.917	ng/u1	99
12) 2-Chlorophenol	7.546	128	56666	6.316	ng/u1	97
13) 2-Methylphenol	8.475	108	27891	2.886	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.505	45	109740	6.475	ng/u1#	89
16) Acetophenone	8.840	105	172383	10.833	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.793	70	79033	9.264	ng/u1	95
18) 4-Methylphenol	8.846	108	18326	1.734	ng/u1	98
19) Hexachloroethane	9.022	117	23511	5.748	ng/u1	92
22) Nitrobenzene	9.234	77	73346	5.812	ng/u1	97
23) Isophorone	9.728	82	151668	6.063	ng/u1	99
25) 2-Nitrophenol	9.957	139	11319	2.128	ng/u1	94
27) Bis(2-Chloroethoxy)met...	10.246	93	80528	5.529	ng/u1	97
29) 2,4-Dichlorophenol	10.546	162	39163	4.443	ng/u1	94
30) Naphthalene	10.846	128	234246	7.090	ng/u1	99
33) Hexachlorobutadiene	11.093	225	40920	6.835	ng/u1	99
34) Caprolactam	11.816	113	10384	3.254	ng/u1	91
35) 4-Chloro-3-methylphenol	12.163	107	57111	5.250	ng/u1	97
36) 2-Methylnaphthalene	12.469	142	150069	6.774	ng/u1	98
37) 1-Methylnaphthalene	12.675	142	155090	6.807	ng/u1	98
39) 1,2,4,5-Tetrachloroben...	12.840	216	79975	6.591	ng/u1	96
41) 2,4,6-Trichlorophenol	13.110	196	39912	5.207	ng/u1	94

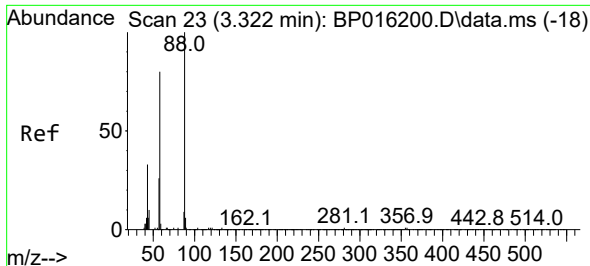
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,5-Trichlorophenol	13.222	196	45750	5.614	ng/ul	96
43) 1,1'-Biphenyl	13.463	154	214045	6.888	ng/ul	95
44) 2-Chloronaphthalene	13.522	162	162532	6.657	ng/ul	99
45) 2-Nitroaniline	13.792	65	41402	5.203	ng/ul	87
47) Dimethylphthalate	14.087	163	215489	6.565	ng/ul	100
48) 2,6-Dinitrotoluene	14.257	165	36148	5.842	ng/ul	97
50) Acenaphthylene	14.345	152	252987	6.185	ng/ul	99
52) Acenaphthene	14.681	153	190185	6.875	ng/ul	99
55) 4-Nitrophenol	14.951	109	9294	1.841	ng/ul#	5
56) Dibenzofuran	15.039	168	262293	6.961	ng/ul	96
57) 2,4-Dinitrotoluene	15.087	165	51760	5.670	ng/ul	92
58) 2,3,4,6-Tetrachlorophenol	15.298	232	47173	6.378	ng/ul	97
59) Diethylphthalate	15.439	149	228839	6.705	ng/ul	99
61) Fluorene	15.681	166	220572	7.007	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.669	204	104428	6.859	ng/ul	97
66) 4,6-Dinitro-2-methylph...	15.863	198	19095	3.185	ng/ul#	1
67) N-Nitrosodiphenylamine	15.892	169	153467	5.828	ng/ul	96
68) 4-Bromophenyl-phenylether	16.563	248	64970	6.881	ng/ul	98
69) Hexachlorobenzene	16.692	284	67447	5.932	ng/ul	94
70) Atrazine	16.857	200	39907	3.822	ng/ul	94
71) Pentachlorophenol	17.075	266	26894	4.717	ng/ul	98
72) Phenanthrene	17.433	178	415937	8.035	ng/ul	99
74) Anthracene	17.539	178	309508	5.950	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.434	216	82219	6.304	ng/uL	97
76) Pentachlorobenzene	14.951	250	199713	16.222	ng/uL	99
77) Carbazole	17.828	167	302706	6.383	ng/ul	99
78) Di-n-butylphthalate	18.316	149	450700	7.586	ng/ul	99
80) Fluoranthene	19.398	202	562736	9.175	ng/ul	99
82) Pyrene	19.757	202	521118	7.958	ng/ul	99
83) Butylbenzylphthalate	20.592	149	228808	8.102	ng/ul	99
85) Benzo(a)anthracene	21.463	228	520319	7.905	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.339	149	481774	11.419	ng/ul	100
87) Chrysene	21.521	228	544606	8.167	ng/ul	99
89) Di-n-octyl phthalate	22.280	149	594049	7.825	ng/ul	100
90) Benzo(b)fluoranthene	23.215	252	585067	8.450	ng/ul	99
91) Benzo(k)fluoranthene	23.263	252	552355	7.840	ng/ul	98
93) Benzo(a)pyrene	23.874	252	295337	4.306	ng/ul#	95
94) Indeno(1,2,3-cd)pyrene	26.645	276	506093	5.959	ng/ul	96
95) Dibenzo(a,h)anthracene	26.633	278	490143	7.075	ng/ul	98

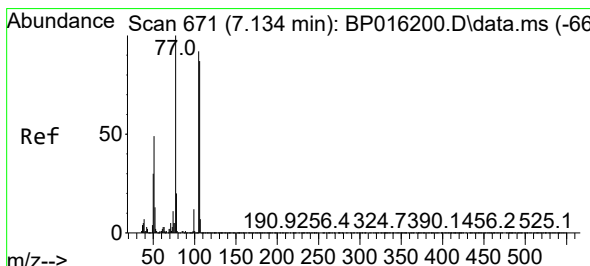
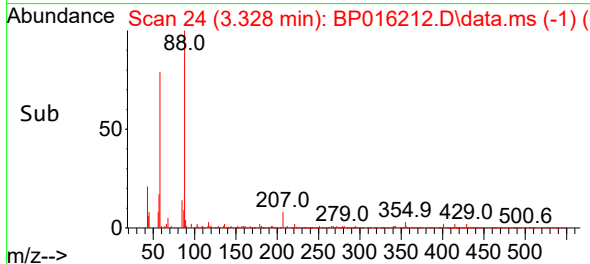
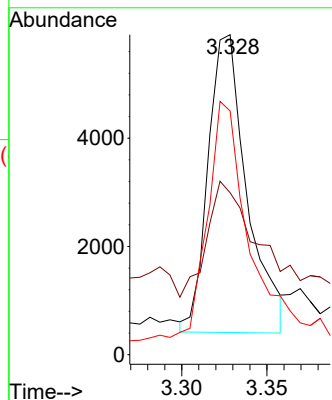
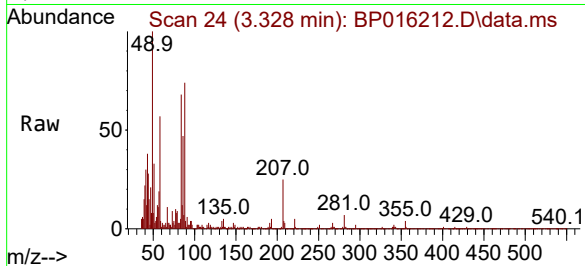
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#2
1,4-Dioxane
Concen: 2.123 ng/uL
RT: 3.328 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP016212.D
Acq: 13 Jul 2023 17:21

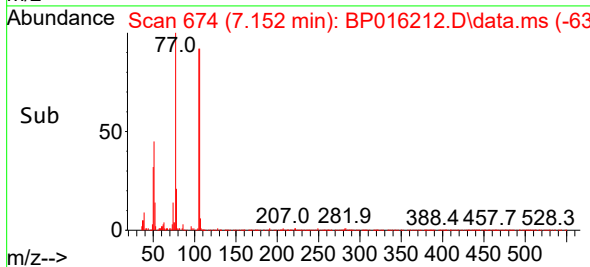
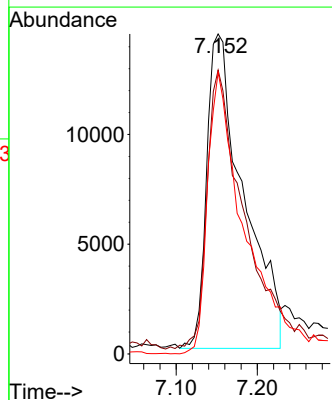
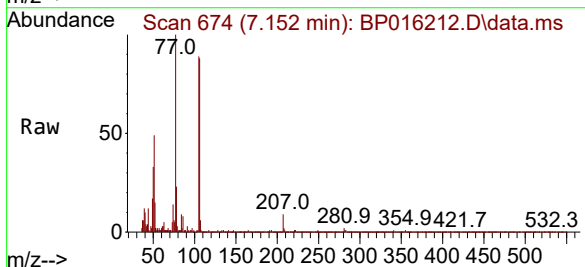
Instrument :
BNA_P
ClientSampleId :
A4634MSD

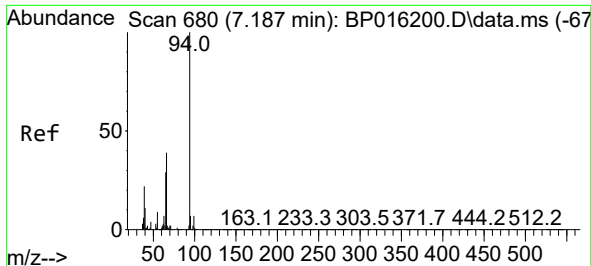
Tgt Ion: 88 Resp: 8728
Ion Ratio Lower Upper
88 100
43 50.6 22.3 33.5#
58 76.1 63.1 94.7



#6
Benzaldehyde
Concen: 6.037 ng/uL
RT: 7.152 min Scan# 674
Delta R.T. 0.018 min
Lab File: BP016212.D
Acq: 13 Jul 2023 17:21

Tgt Ion: 77 Resp: 45154
Ion Ratio Lower Upper
77 100
105 88.7 69.4 104.2
106 88.1 66.2 99.4

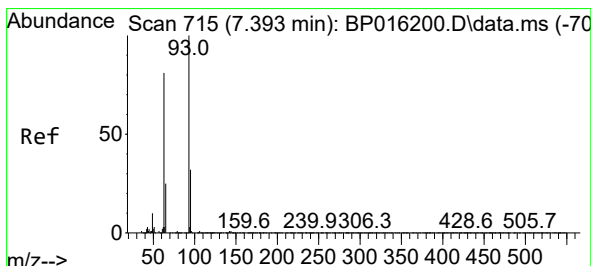
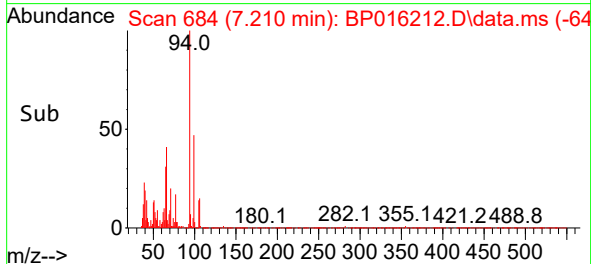
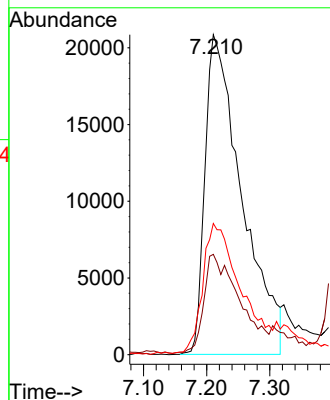
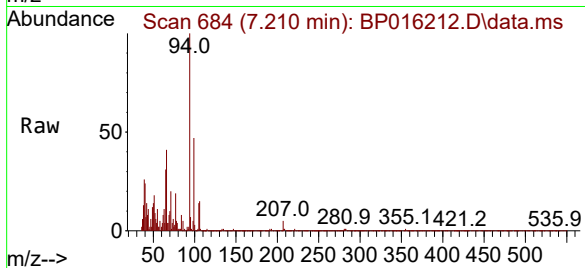




#8
Phenol
Concen: 6.572 ng/ul
RT: 7.210 min Scan# 61
Delta R.T. 0.024 min
Lab File: BP016212.D
Acq: 13 Jul 2023 17:21

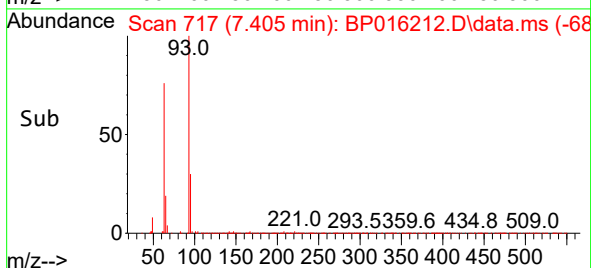
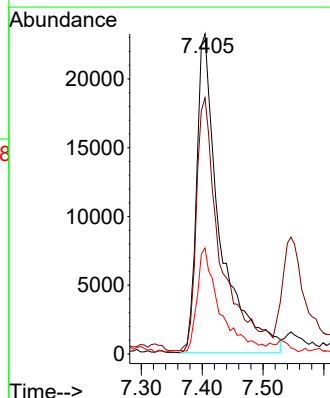
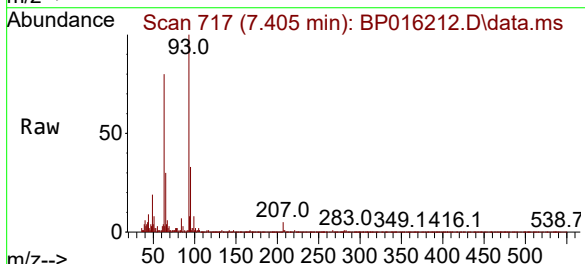
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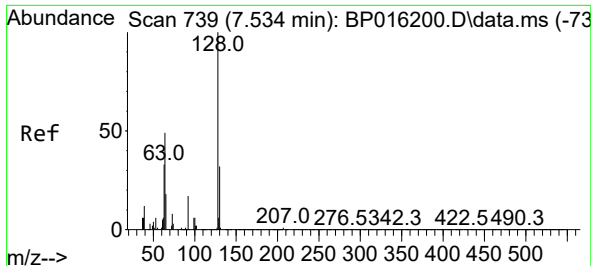
Tgt Ion: 94 Resp: 84389
Ion Ratio Lower Upper
94 100
65 31.4 25.5 38.3
66 41.0 32.7 49.1



#10
Bis(2-Chloroethyl)ether
Concen: 5.917 ng/ul
RT: 7.405 min Scan# 717
Delta R.T. 0.012 min
Lab File: BP016212.D
Acq: 13 Jul 2023 17:21

Tgt Ion: 93 Resp: 61795
Ion Ratio Lower Upper
93 100
63 80.0 63.5 95.3
95 33.1 25.1 37.7





#12

2-Chlorophenol

Concen: 6.316 ng/ul

RT: 7.546 min Scan# 741

Delta R.T. 0.012 min

Lab File: BP016212.D

Acq: 13 Jul 2023 17:21

Instrument :

BNA_P

ClientSampleId :

A4634MSD

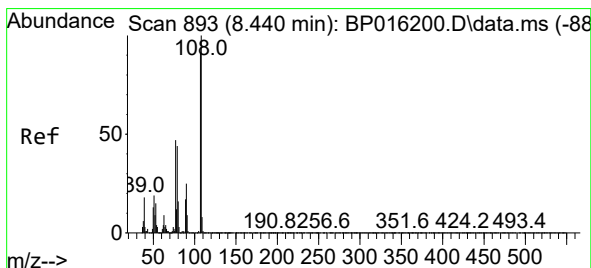
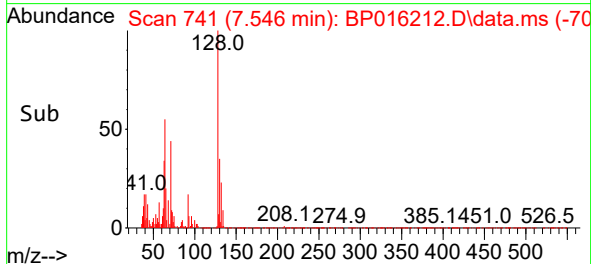
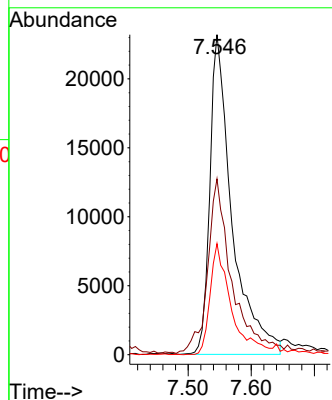
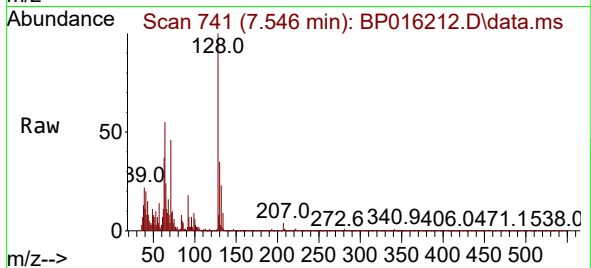
Tgt Ion:128 Resp: 56666

Ion Ratio Lower Upper

128 100

64 55.0 44.1 66.1

130 34.7 24.3 36.5



#13

2-Methylphenol

Concen: 2.886 ng/ul

RT: 8.475 min Scan# 899

Delta R.T. 0.035 min

Lab File: BP016212.D

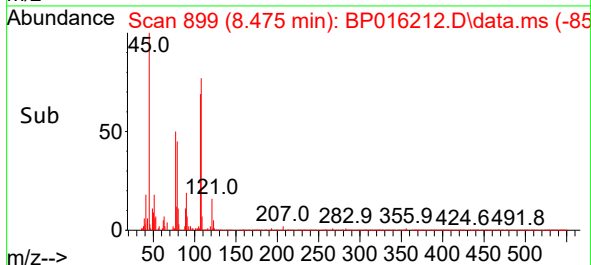
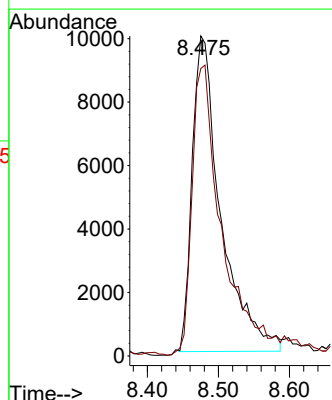
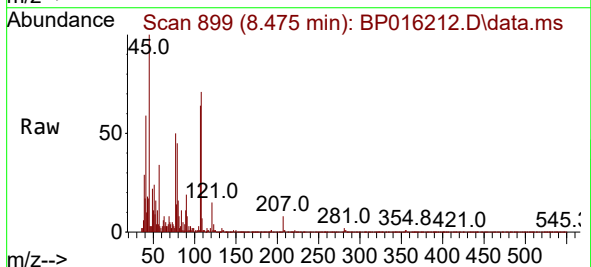
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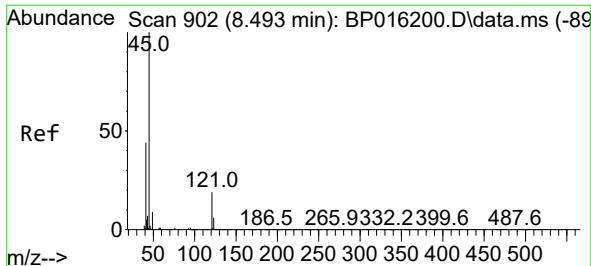
Tgt Ion:108 Resp: 27891

Ion Ratio Lower Upper

108 100

107 89.9 70.5 105.7

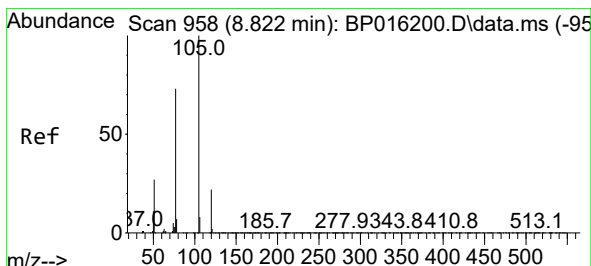
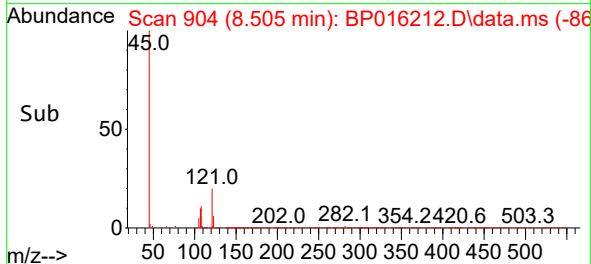
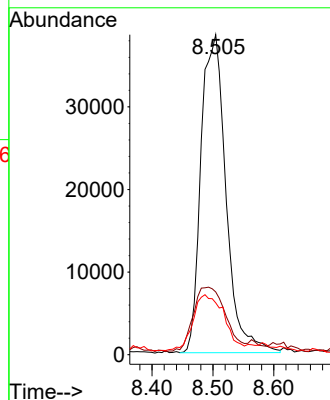
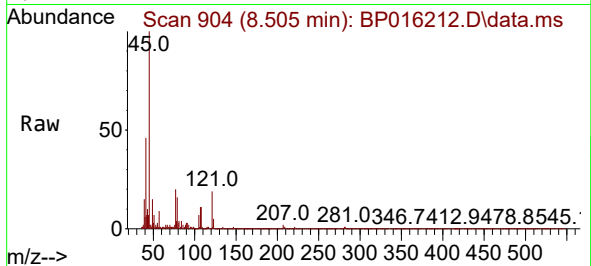




#14
2,2'-oxybis(1-Chloropropane)
Concen: 6.475 ng/ul
RT: 8.505 min Scan# 904
Delta R.T. 0.012 min
Lab File: BP016212.D
Acq: 13 Jul 2023 17:21

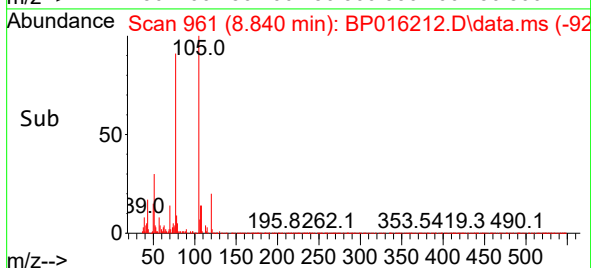
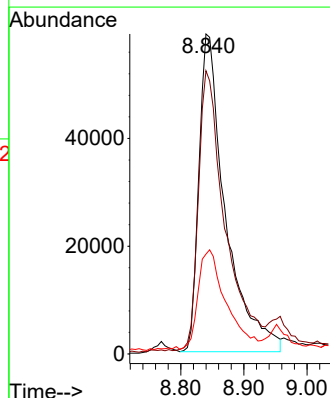
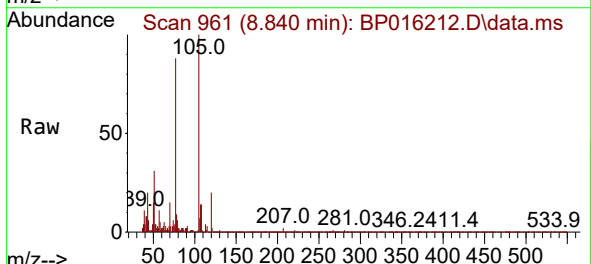
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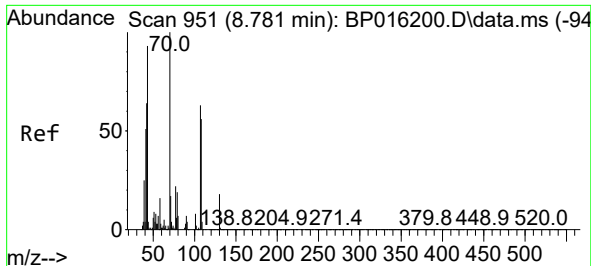
Tgt Ion: 45 Resp: 109740
Ion Ratio Lower Upper
45 100
77 19.6 12.5 18.7#
79 16.2 8.7 13.1#



#16
Acetophenone
Concen: 10.833 ng/ul
RT: 8.840 min Scan# 961
Delta R.T. 0.018 min
Lab File: BP016212.D
Acq: 13 Jul 2023 17:21

Tgt Ion: 105 Resp: 172383
Ion Ratio Lower Upper
105 100
77 88.5 70.2 105.2
51 31.2 26.3 39.5





#17

N-Nitroso-di-n-propylamine

Concen: 9.264 ng/ul

RT: 8.793 min Scan# 91

Delta R.T. 0.012 min

Lab File: BP016212.D

Acq: 13 Jul 2023 17:21

Instrument :

BNA_P

ClientSampleId :

A4634MSD

Tgt Ion: 70 Resp: 79033

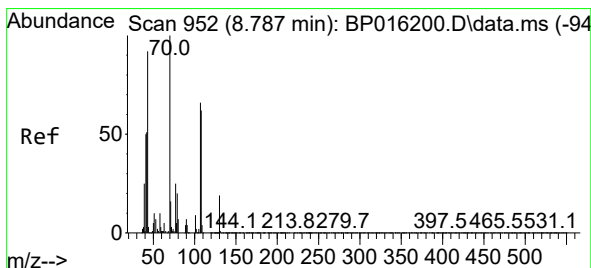
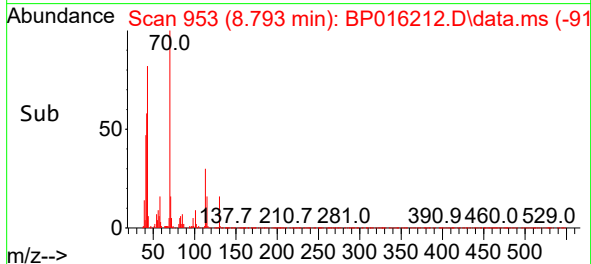
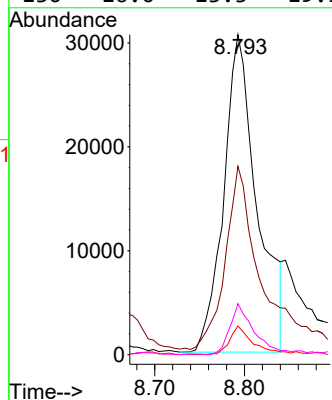
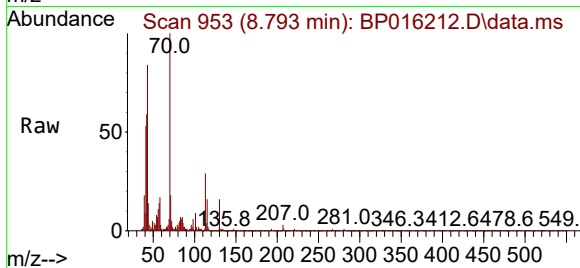
Ion Ratio Lower Upper

70 100

42 58.9 50.8 76.2

101 9.0 7.0 10.6

130 16.0 13.3 19.9



#18

4-Methylphenol

Concen: 1.734 ng/ul

RT: 8.846 min Scan# 962

Delta R.T. 0.059 min

Lab File: BP016212.D

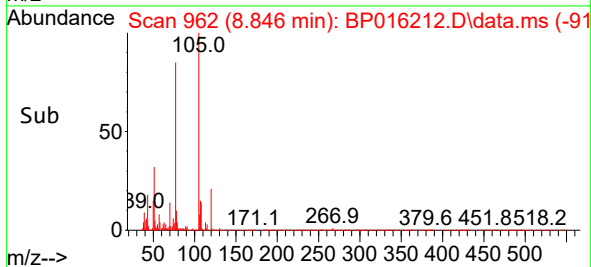
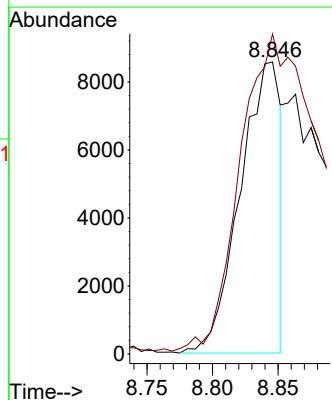
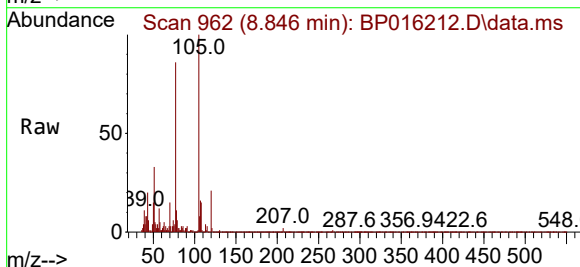
Acq: 13 Jul 2023 17:21

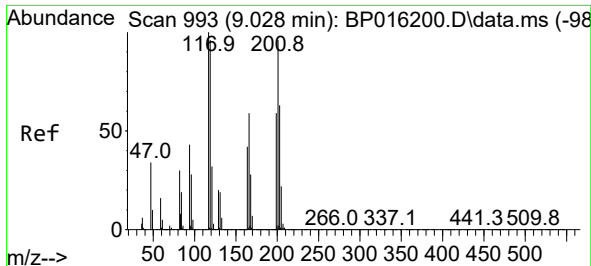
Tgt Ion: 108 Resp: 18326

Ion Ratio Lower Upper

108 100

107 109.6 89.3 133.9





#19

Hexachloroethane

Concen: 5.748 ng/ul

RT: 9.022 min Scan# 993

Delta R.T. -0.006 min

Lab File: BP016212.D

Acq: 13 Jul 2023 17:21

Instrument :

BNA_P

ClientSampleId :

A4634MSD

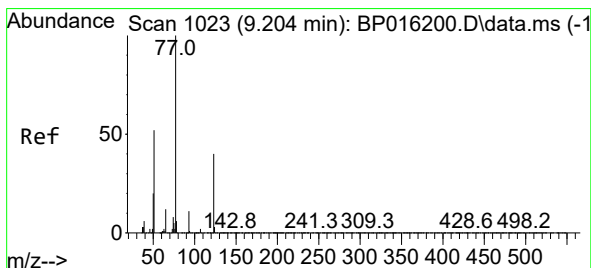
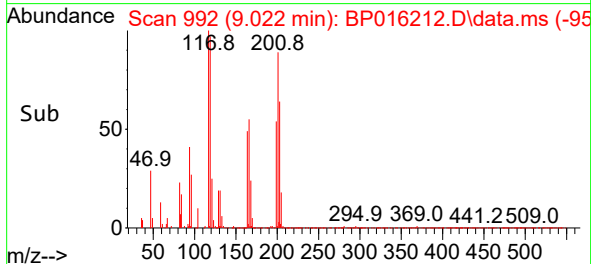
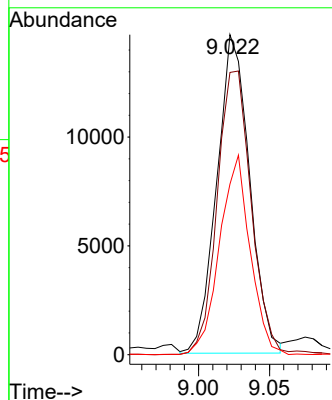
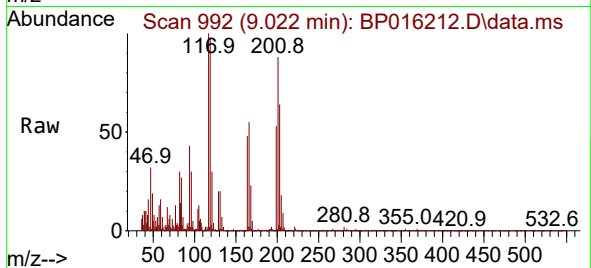
Tgt Ion:117 Resp: 23511

Ion Ratio Lower Upper

117 100

201 88.2 76.5 114.7

199 53.3 47.9 71.9



#22

Nitrobenzene

Concen: 5.812 ng/ul

RT: 9.234 min Scan# 1028

Delta R.T. 0.030 min

Lab File: BP016212.D

Acq: 13 Jul 2023 17:21

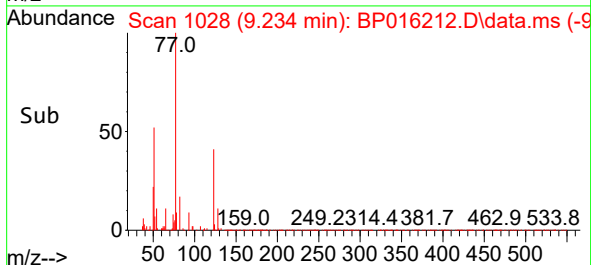
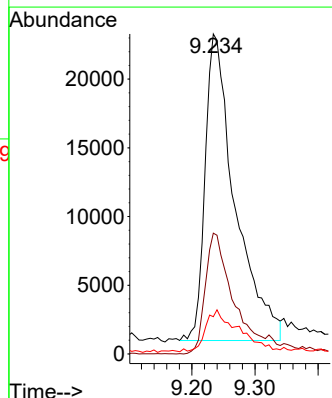
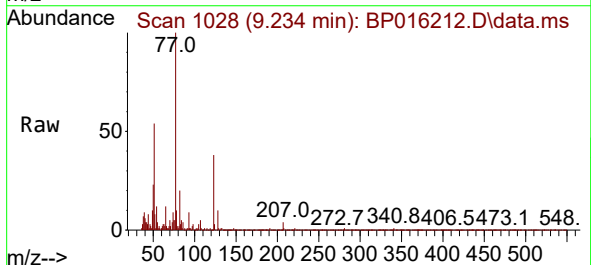
Tgt Ion: 77 Resp: 73346

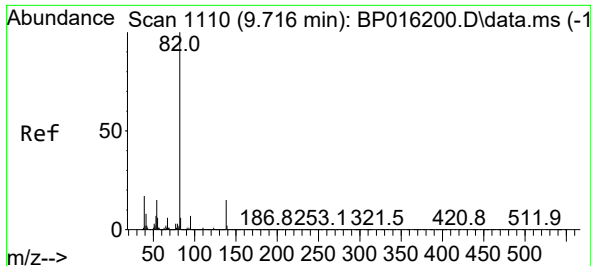
Ion Ratio Lower Upper

77 100

123 37.8 31.8 47.8

65 11.7 10.4 15.6

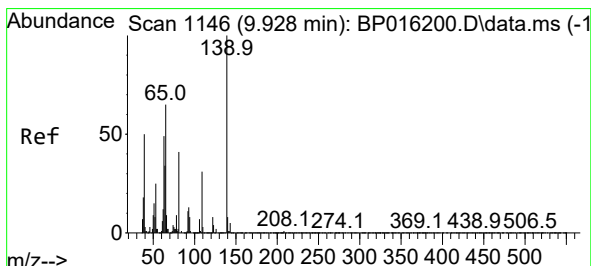
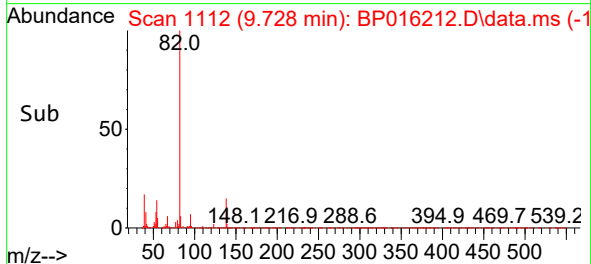
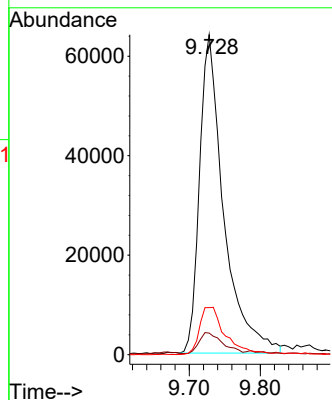
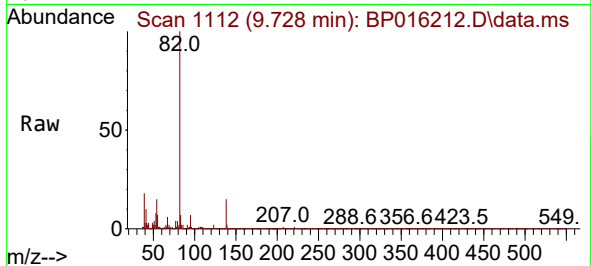




#23
Isophorone
Concen: 6.063 ng/ul
RT: 9.728 min Scan# 1110
Delta R.T. 0.012 min
Lab File: BP016212.D
Acq: 13 Jul 2023 17:21

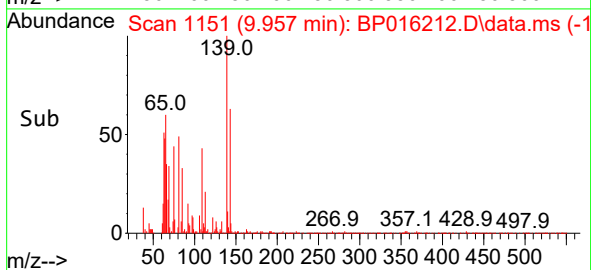
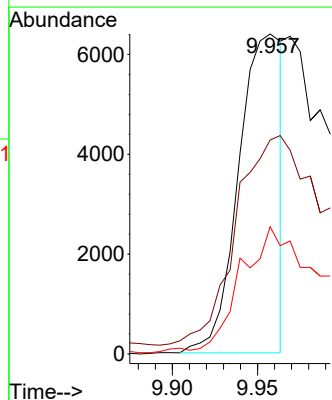
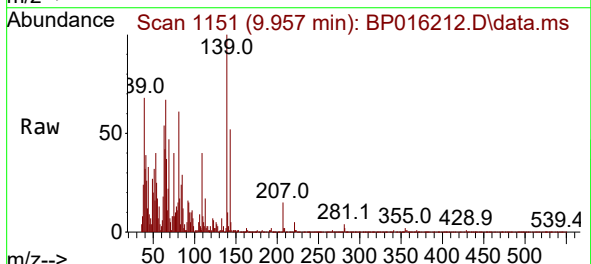
Instrument :
BNA_P
ClientSampleId :
A4634MSD

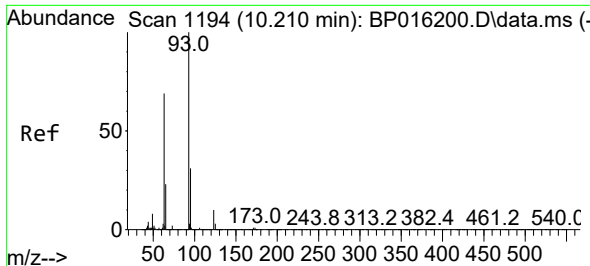
Tgt Ion: 82 Resp: 151668
Ion Ratio Lower Upper
82 100
95 6.8 5.4 8.2
138 14.7 12.3 18.5



#25
2-Nitrophenol
Concen: 2.128 ng/ul
RT: 9.957 min Scan# 1151
Delta R.T. 0.030 min
Lab File: BP016212.D
Acq: 13 Jul 2023 17:21

Tgt Ion: 139 Resp: 11319
Ion Ratio Lower Upper
139 100
65 66.8 50.0 75.0
109 39.8 28.2 42.2

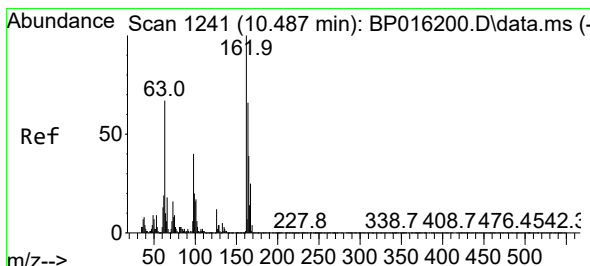
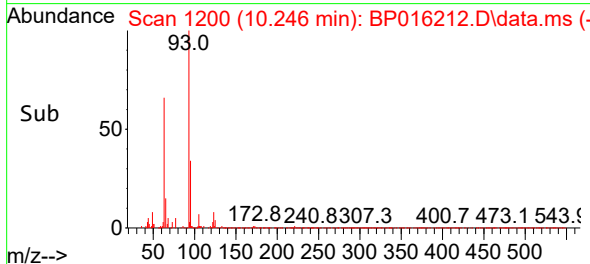
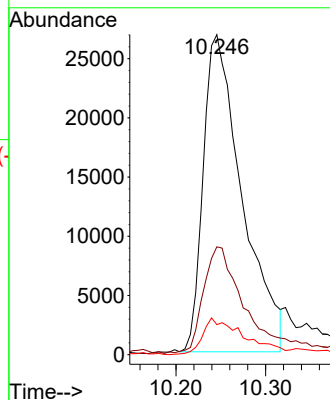
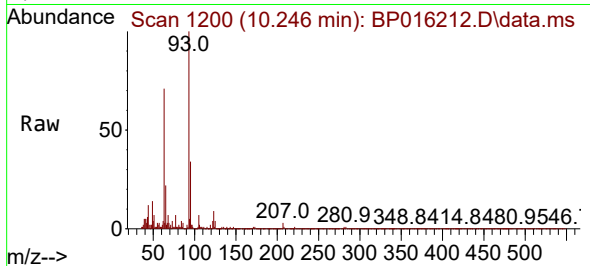




#27
 Bis(2-Chloroethoxy)methane
 Concen: 5.529 ng/ul
 RT: 10.246 min Scan# 1194
 Delta R.T. 0.035 min
 Lab File: BP016212.D
 Acq: 13 Jul 2023 17:21

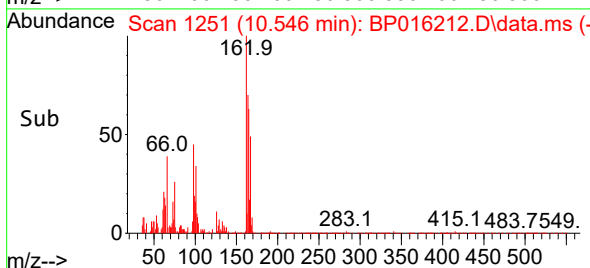
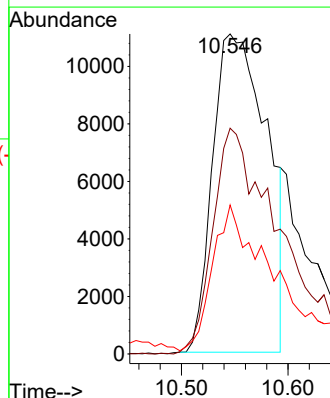
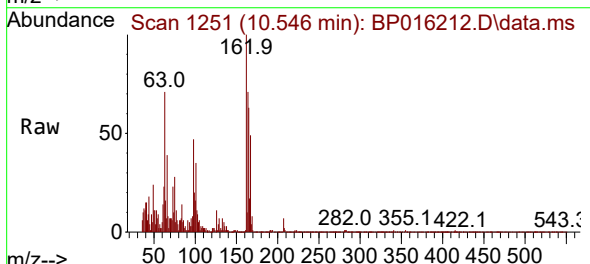
Instrument :
 BNA_P
 ClientSampleId :
 A4634MSD

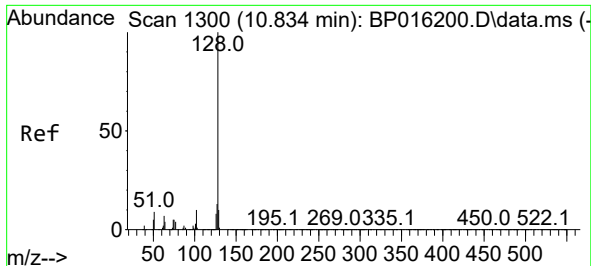
Tgt Ion: 93	Resp:	80528
Ion Ratio	Lower	Upper
93	100	
95	33.7	25.9 38.9
123	9.4	8.6 13.0



#29
 2,4-Dichlorophenol
 Concen: 4.443 ng/ul
 RT: 10.546 min Scan# 1251
 Delta R.T. 0.059 min
 Lab File: BP016212.D
 Acq: 13 Jul 2023 17:21

Tgt Ion: 162	Resp:	39163
Ion Ratio	Lower	Upper
162	100	
164	70.6	54.3 81.5
98	46.5	31.8 47.8

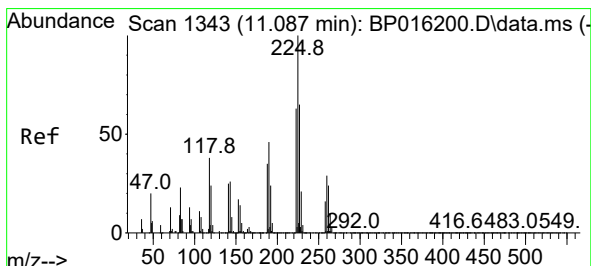
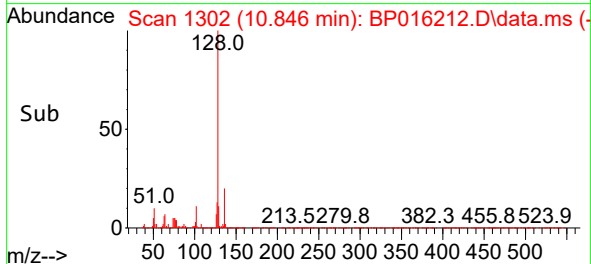
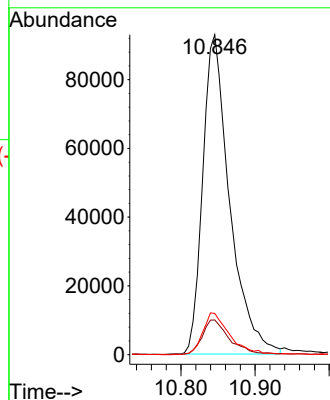
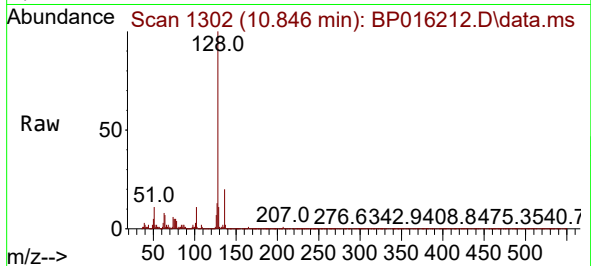




#30
Naphthalene
Concen: 7.090 ng/ul
RT: 10.846 min Scan# 11
Delta R.T. 0.012 min
Lab File: BP016212.D
Acq: 13 Jul 2023 17:21

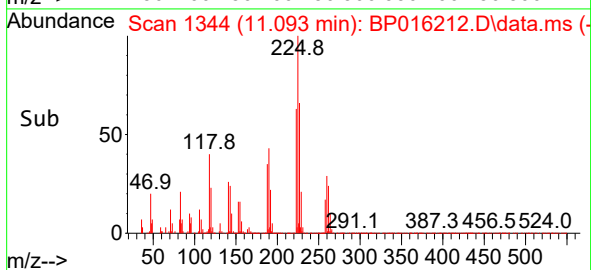
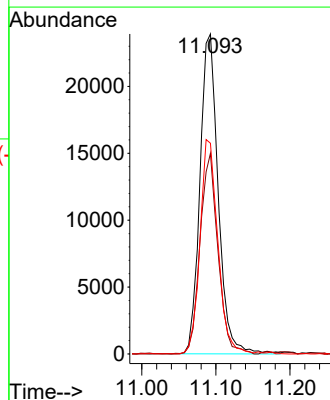
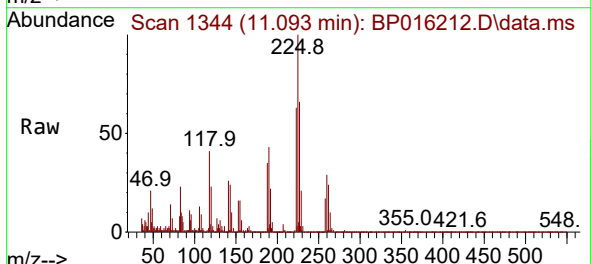
Instrument :
BNA_P
ClientSampleId :
A4634MSD

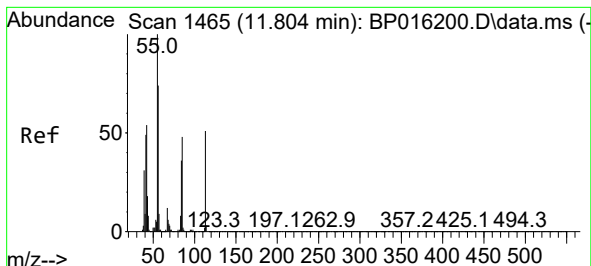
Tgt Ion:128 Resp: 234246
Ion Ratio Lower Upper
128 100
129 10.8 8.9 13.3
127 12.9 10.9 16.3



#33
Hexachlorobutadiene
Concen: 6.835 ng/ul
RT: 11.093 min Scan# 1344
Delta R.T. 0.006 min
Lab File: BP016212.D
Acq: 13 Jul 2023 17:21

Tgt Ion:225 Resp: 40920
Ion Ratio Lower Upper
225 100
223 62.7 49.8 74.6
227 65.9 51.7 77.5





#34

Caprolactam

Concen: 3.254 ng/ul

RT: 11.816 min Scan# 1467

Delta R.T. 0.012 min

Lab File: BP016212.D

Acq: 13 Jul 2023 17:21

Instrument :

BNA_P

ClientSampleId :

A4634MSD

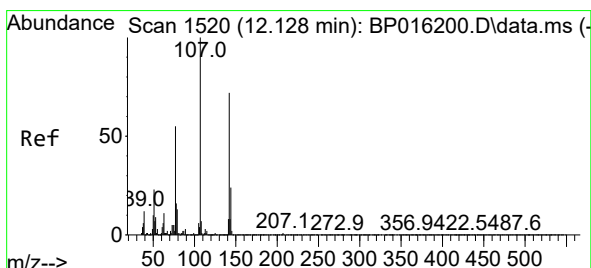
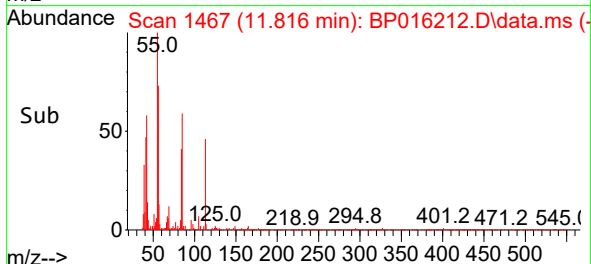
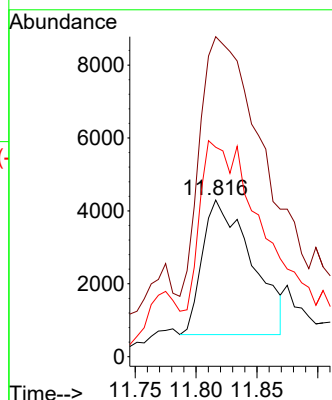
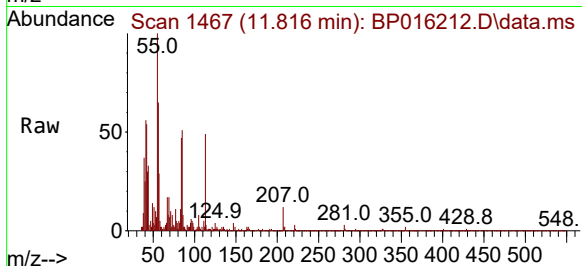
Tgt Ion:113 Resp: 10384

Ion Ratio Lower Upper

113 100

55 204.3 147.8 221.8

56 133.7 103.8 155.6



#35

4-Chloro-3-methylphenol

Concen: 5.250 ng/ul

RT: 12.163 min Scan# 1526

Delta R.T. 0.035 min

Lab File: BP016212.D

Acq: 13 Jul 2023 17:21

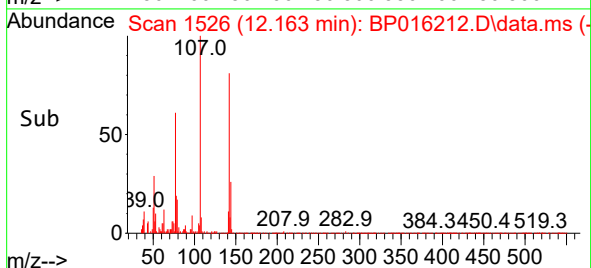
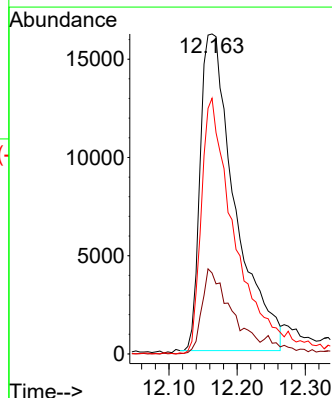
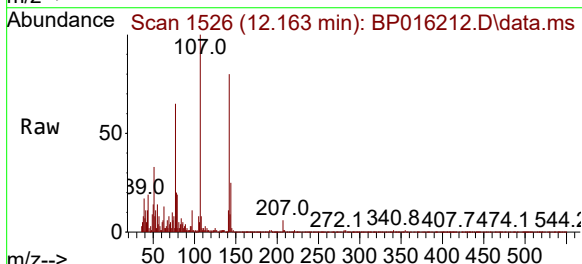
Tgt Ion:107 Resp: 57111

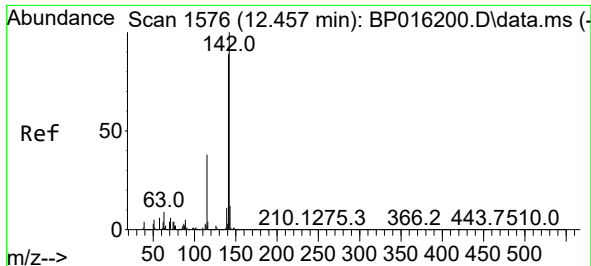
Ion Ratio Lower Upper

107 100

144 25.3 20.3 30.5

142 79.9 60.8 91.2

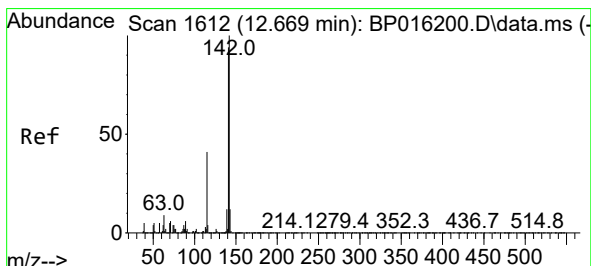
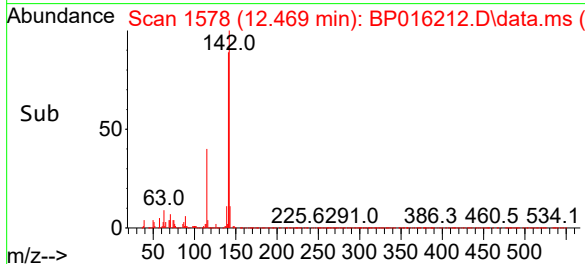
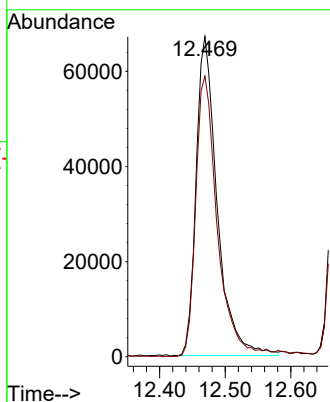
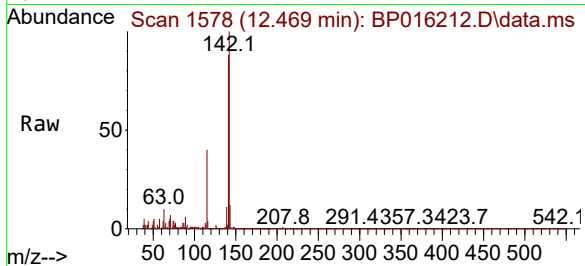




#36
2-Methylnaphthalene
Concen: 6.774 ng/ul
RT: 12.469 min Scan# 1578
Delta R.T. 0.012 min
Lab File: BP016212.D
Acq: 13 Jul 2023 17:21

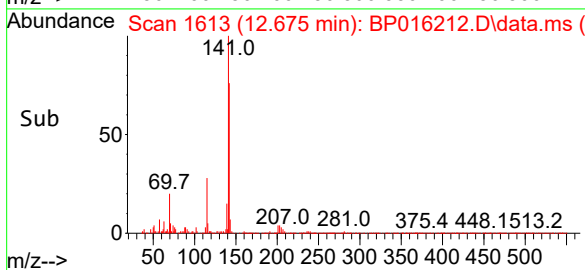
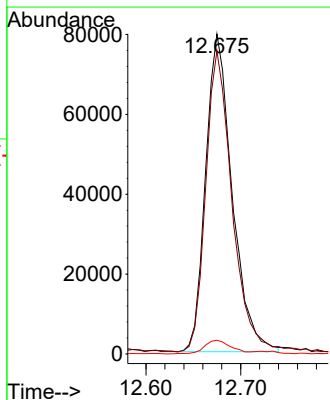
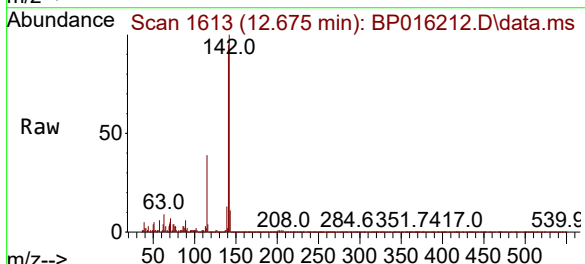
Instrument :
BNA_P
ClientSampleId :
A4634MSD

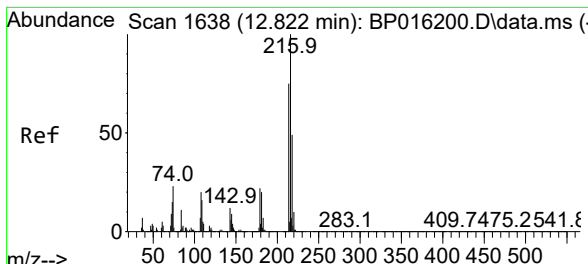
Tgt Ion:142 Resp: 150069
Ion Ratio Lower Upper
142 100
141 87.7 71.9 107.9



#37
1-Methylnaphthalene
Concen: 6.807 ng/ul
RT: 12.675 min Scan# 1613
Delta R.T. 0.006 min
Lab File: BP016212.D
Acq: 13 Jul 2023 17:21

Tgt Ion:142 Resp: 155090
Ion Ratio Lower Upper
142 100
141 94.7 73.9 110.9
116 4.3 3.4 5.2

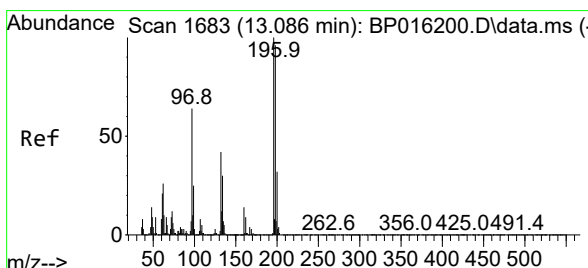
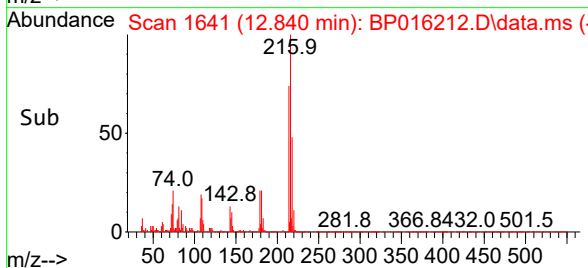
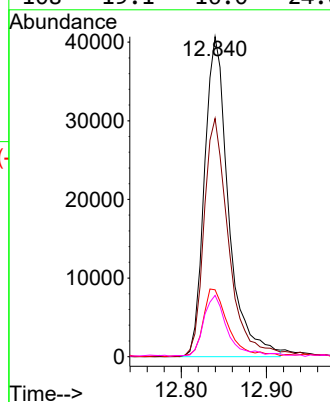
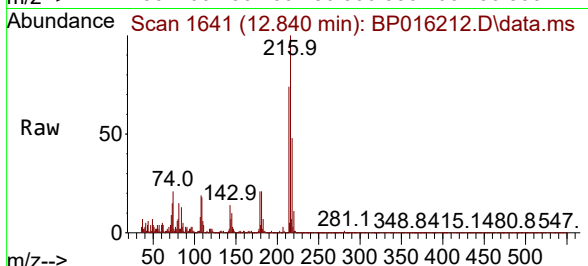




#39
1,2,4,5-Tetrachlorobenzene
Concen: 6.591 ng/ul
RT: 12.840 min Scan# 1641
Delta R.T. 0.018 min
Lab File: BP016212.D
Acq: 13 Jul 2023 17:21

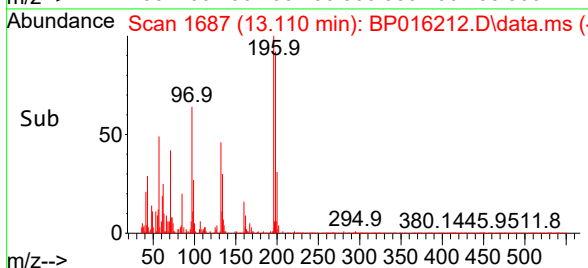
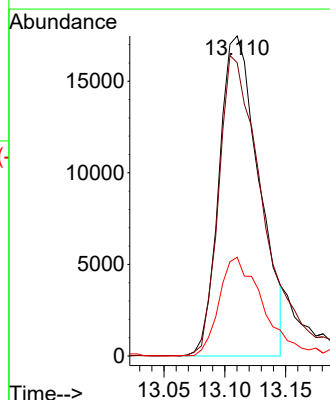
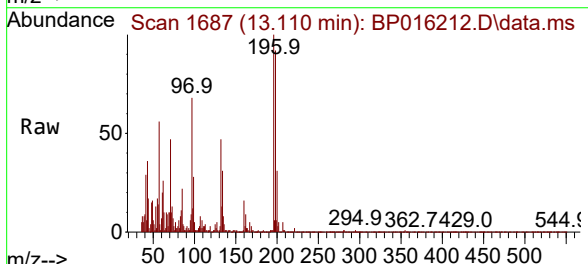
Instrument :
BNA_P
ClientSampleId :
A4634MSD

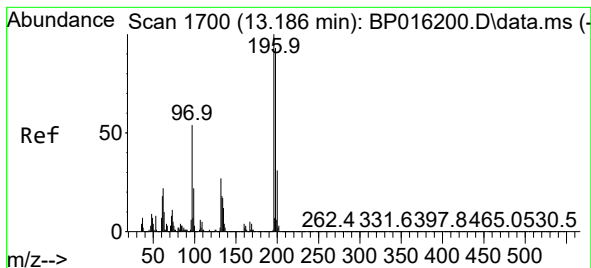
Tgt Ion:	216	Resp:	79975
Ion Ratio	Lower	Upper	
216	100		
214	74.5	62.9	94.3
179	20.9	17.8	26.6
108	19.1	16.0	24.0



#41
2,4,6-Trichlorophenol
Concen: 5.207 ng/ul
RT: 13.110 min Scan# 1687
Delta R.T. 0.024 min
Lab File: BP016212.D
Acq: 13 Jul 2023 17:21

Tgt Ion:	196	Resp:	39912
Ion Ratio	Lower	Upper	
196	100		
198	91.6	79.2	118.8
200	30.9	24.2	36.4





#42

2,4,5-Trichlorophenol

Concen: 5.614 ng/ul

RT: 13.222 min Scan# 1706

Delta R.T. 0.035 min

Lab File: BP016212.D

Acq: 13 Jul 2023 17:21

Instrument :

BNA_P

ClientSampleId :

A4634MSD

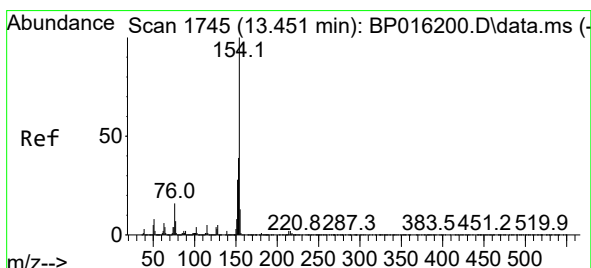
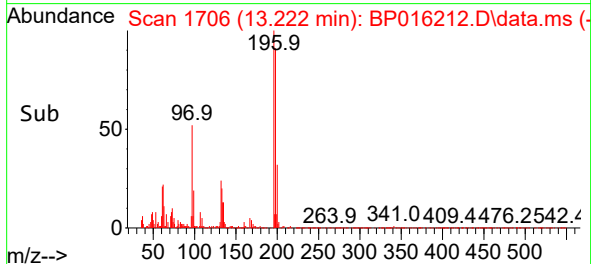
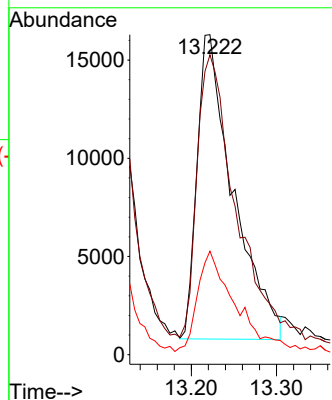
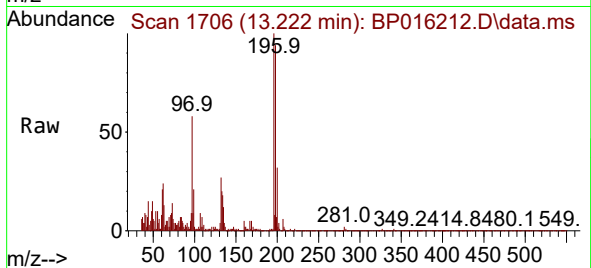
Tgt Ion:196 Resp: 45750

Ion Ratio Lower Upper

196 100

198 93.7 77.4 116.2

200 34.7 25.3 37.9



#43

1,1'-Biphenyl

Concen: 6.888 ng/ul

RT: 13.463 min Scan# 1747

Delta R.T. 0.012 min

Lab File: BP016212.D

Acq: 13 Jul 2023 17:21

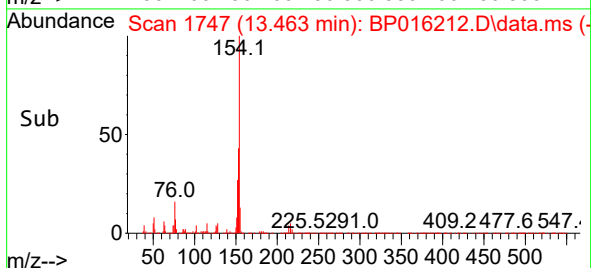
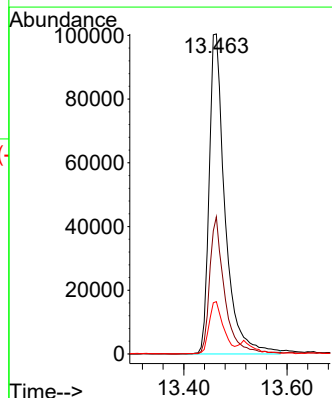
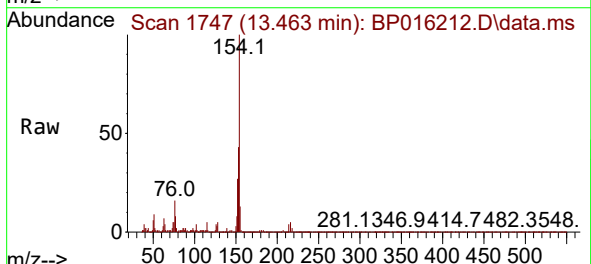
Tgt Ion:154 Resp: 214045

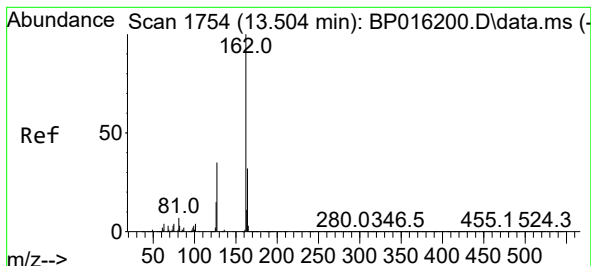
Ion Ratio Lower Upper

154 100

153 42.8 31.1 46.7

76 16.4 12.9 19.3





#44

2-Chloronaphthalene

Concen: 6.657 ng/ul

RT: 13.522 min Scan# 1

Delta R.T. 0.018 min

Lab File: BP016212.D

Acq: 13 Jul 2023 17:21

Instrument :

BNA_P

ClientSampleId :

A4634MSD

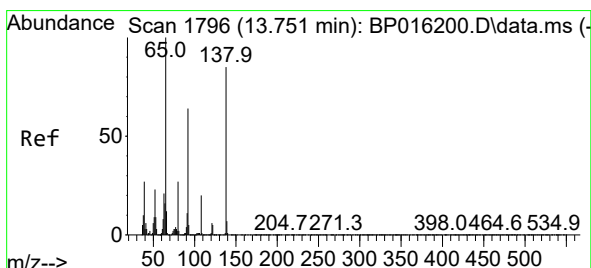
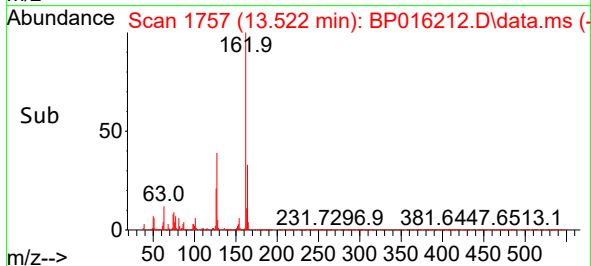
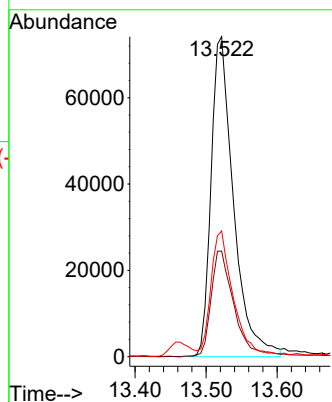
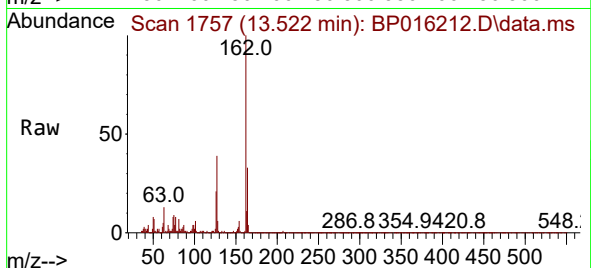
Tgt Ion:162 Resp: 162532

Ion Ratio Lower Upper

162 100

164 33.0 26.0 39.0

127 39.3 31.2 46.8



#45

2-Nitroaniline

Concen: 5.203 ng/ul

RT: 13.792 min Scan# 1803

Delta R.T. 0.041 min

Lab File: BP016212.D

Acq: 13 Jul 2023 17:21

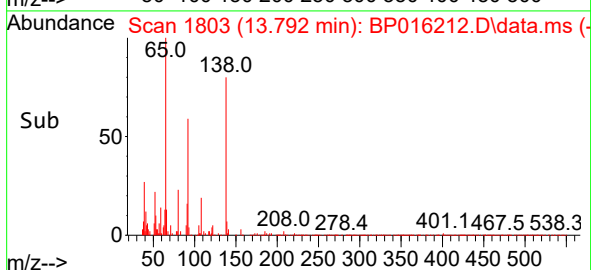
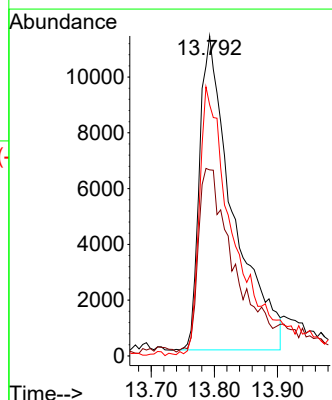
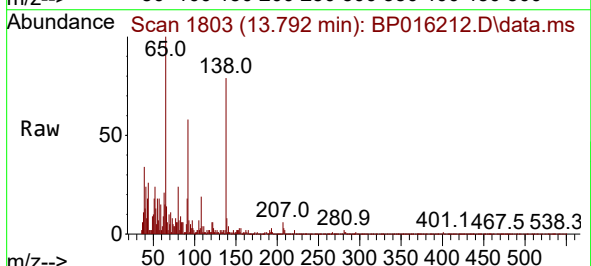
Tgt Ion: 65 Resp: 41402

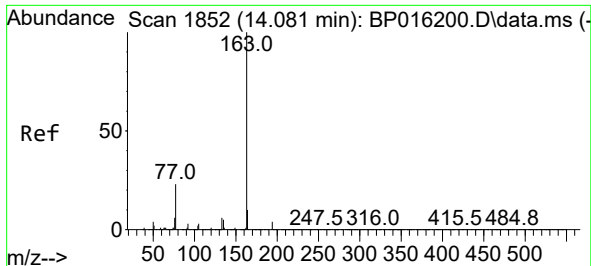
Ion Ratio Lower Upper

65 100

92 58.2 54.1 81.1

138 78.5 73.4 110.0

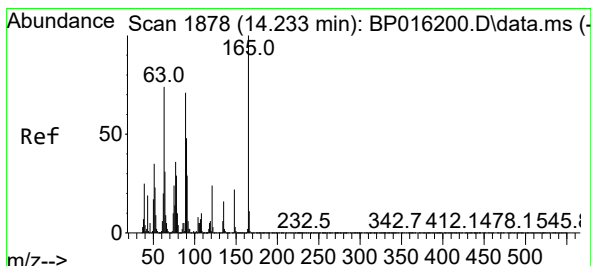
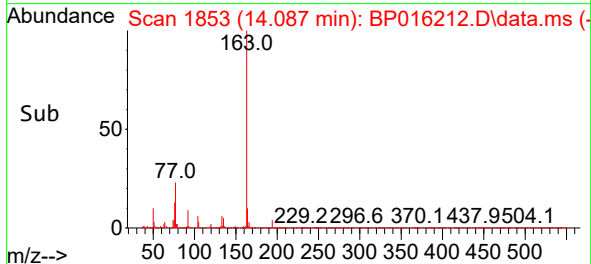
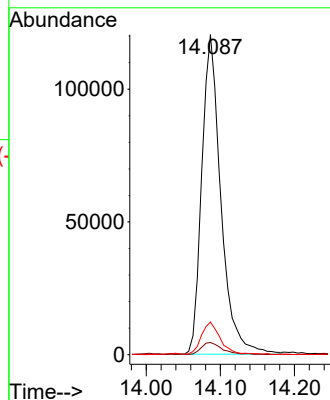
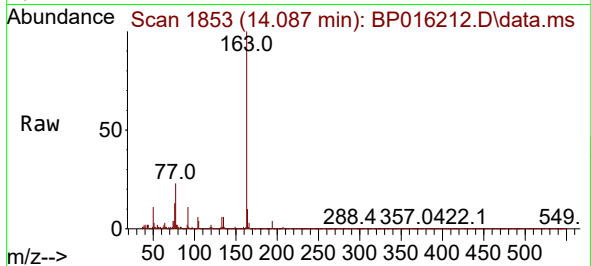




#47
Dimethylphthalate
Concen: 6.565 ng/ul
RT: 14.087 min Scan# 1852
Delta R.T. 0.006 min
Lab File: BP016212.D
Acq: 13 Jul 2023 17:21

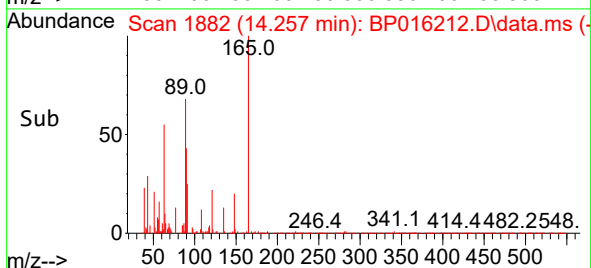
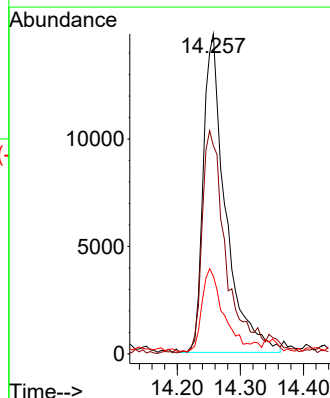
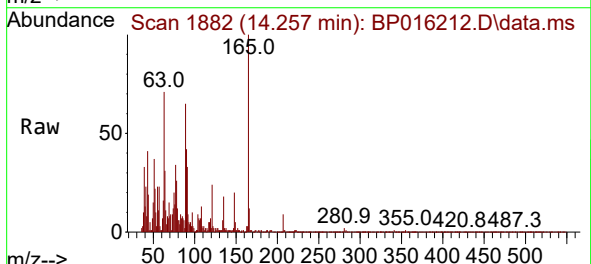
Instrument :
BNA_P
ClientSampleId :
A4634MSD

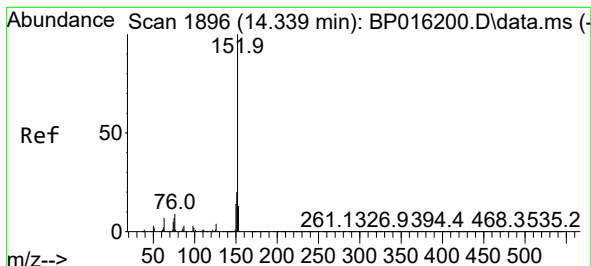
Tgt Ion:163 Resp: 215489
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.6
164 10.2 8.0 12.0



#48
2,6-Dinitrotoluene
Concen: 5.842 ng/ul
RT: 14.257 min Scan# 1882
Delta R.T. 0.024 min
Lab File: BP016212.D
Acq: 13 Jul 2023 17:21

Tgt Ion:165 Resp: 36148
Ion Ratio Lower Upper
165 100
89 65.1 54.8 82.2
121 24.3 19.4 29.0





#50

Acenaphthylene

Concen: 6.185 ng/ul

RT: 14.345 min Scan# 1896

Delta R.T. 0.006 min

Lab File: BP016212.D

Acq: 13 Jul 2023 17:21

Instrument :

BNA_P

ClientSampleId :

A4634MSD

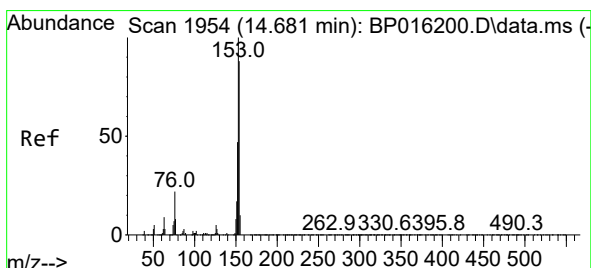
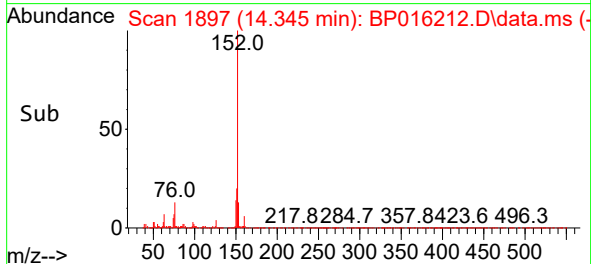
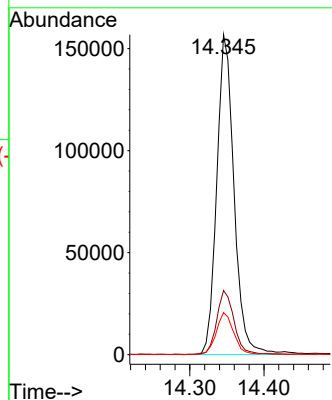
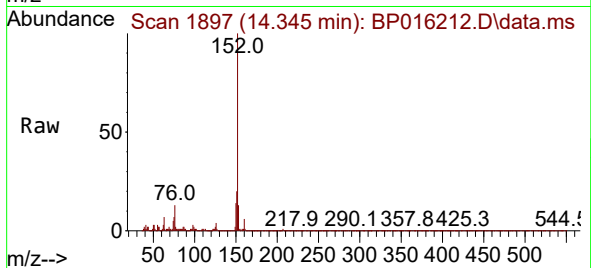
Tgt Ion:152 Resp: 252987

Ion Ratio Lower Upper

152 100

151 20.1 15.8 23.8

153 13.2 10.2 15.4



#52

Acenaphthene

Concen: 6.875 ng/ul

RT: 14.681 min Scan# 1954

Delta R.T. 0.000 min

Lab File: BP016212.D

Acq: 13 Jul 2023 17:21

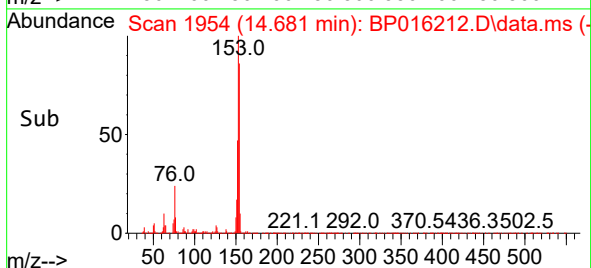
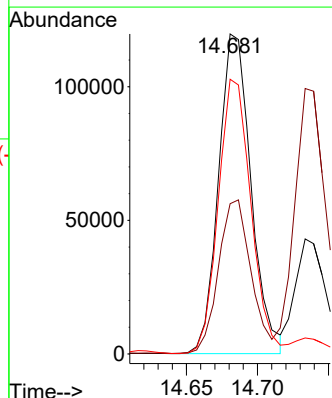
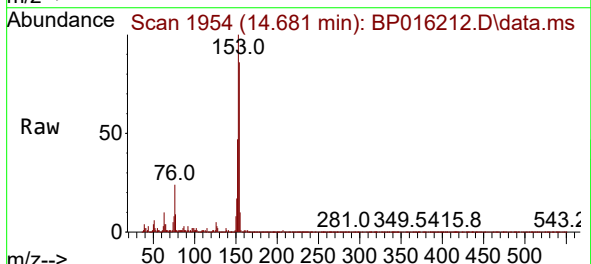
Tgt Ion:153 Resp: 190185

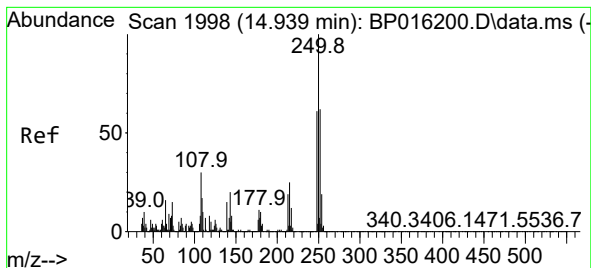
Ion Ratio Lower Upper

153 100

152 47.0 37.9 56.9

154 85.8 69.3 103.9





#55

4-Nitrophenol

Concen: 1.841 ng/ul

RT: 14.951 min Scan# 20

Delta R.T. 0.012 min

Lab File: BP016212.D

Acq: 13 Jul 2023 17:21

Instrument :

BNA_P

ClientSampleId :

A4634MSD

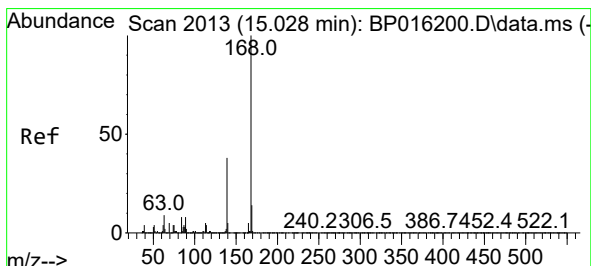
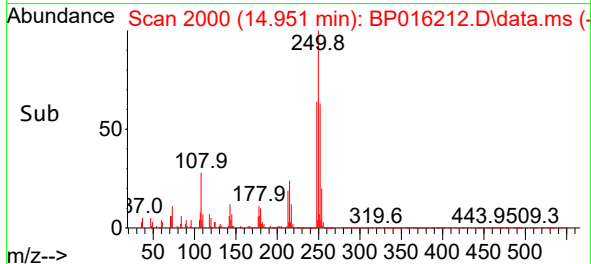
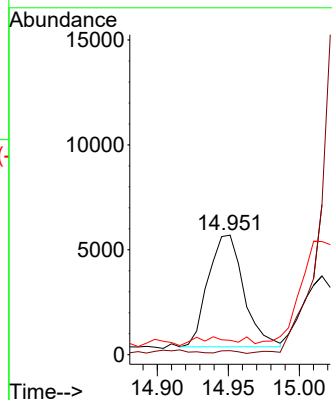
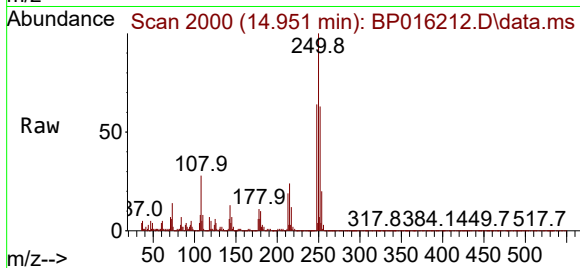
Tgt Ion:109 Resp: 9294

Ion Ratio Lower Upper

109 100

139 3.4 76.8 115.2#

65 12.0 92.2 138.4#



#56

Dibenzofuran

Concen: 6.961 ng/ul

RT: 15.039 min Scan# 2015

Delta R.T. 0.012 min

Lab File: BP016212.D

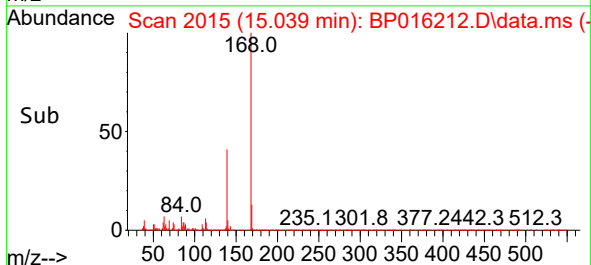
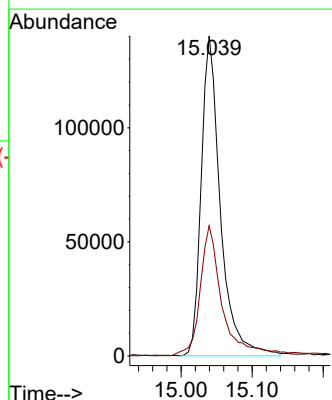
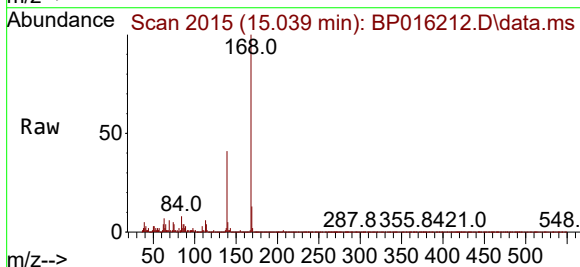
Acq: 13 Jul 2023 17:21

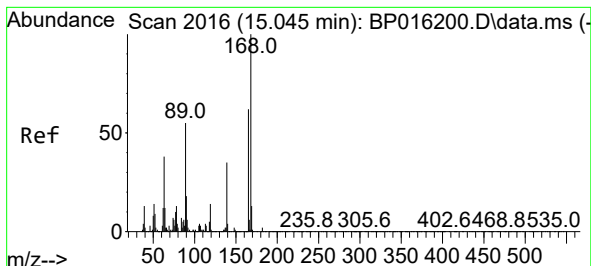
Tgt Ion:168 Resp: 262293

Ion Ratio Lower Upper

168 100

139 40.7 30.6 45.8

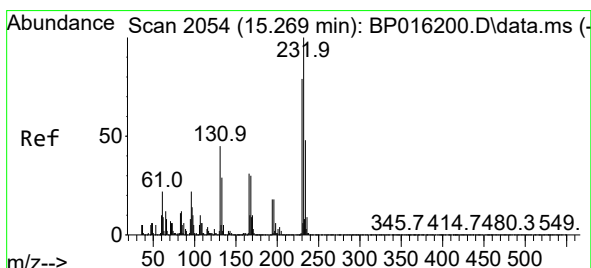
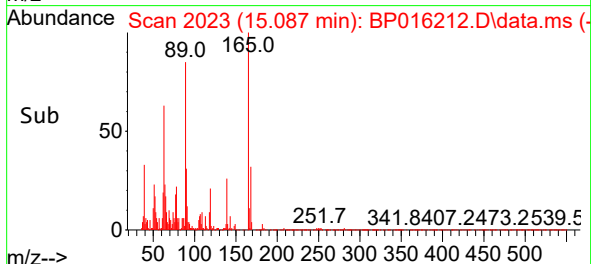
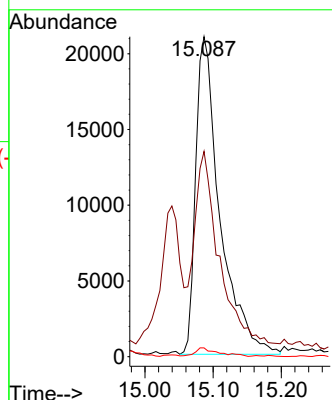
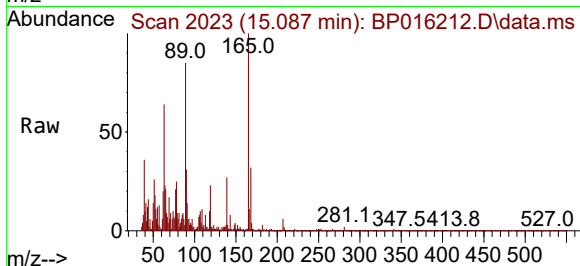




#57
2,4-Dinitrotoluene
Concen: 5.670 ng/ul
RT: 15.087 min Scan# 2016
Delta R.T. 0.041 min
Lab File: BP016212.D
Acq: 13 Jul 2023 17:21

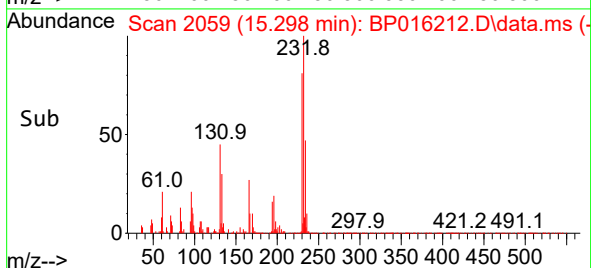
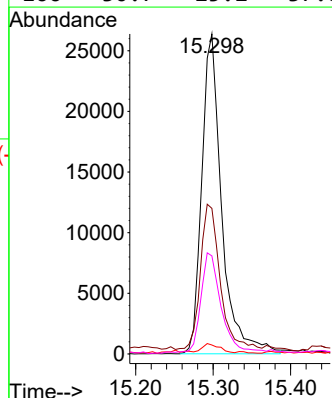
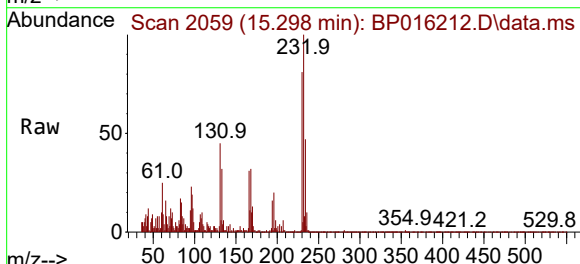
Instrument :
BNA_P
ClientSampleId :
A4634MSD

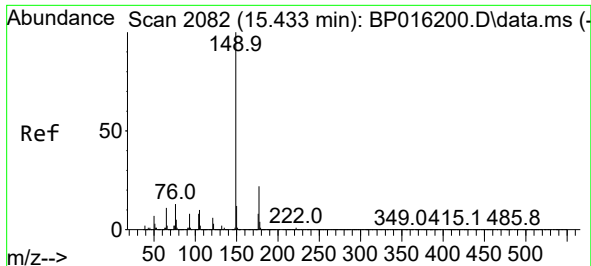
Tgt Ion:165 Resp: 51760
Ion Ratio Lower Upper
165 100
63 64.1 56.9 85.3
182 2.7 2.0 3.0



#58
2,3,4,6-Tetrachlorophenol
Concen: 6.378 ng/ul
RT: 15.298 min Scan# 2059
Delta R.T. 0.030 min
Lab File: BP016212.D
Acq: 13 Jul 2023 17:21

Tgt Ion:232 Resp: 47173
Ion Ratio Lower Upper
232 100
131 45.5 38.6 57.8
130 2.8 2.2 3.4
166 30.7 25.2 37.8

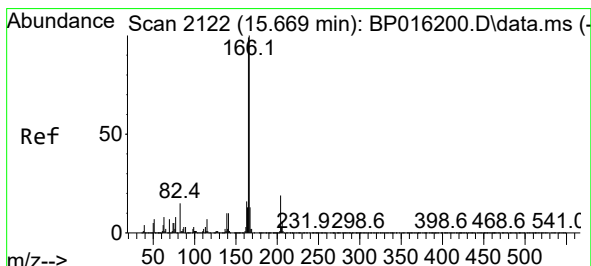
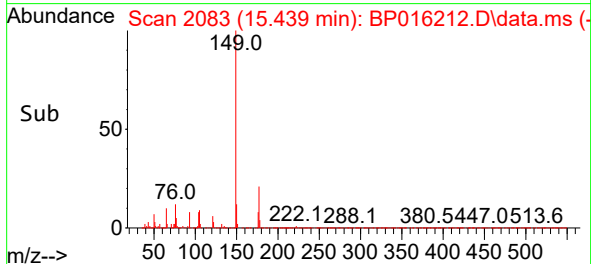
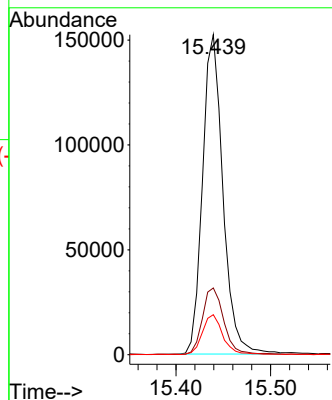
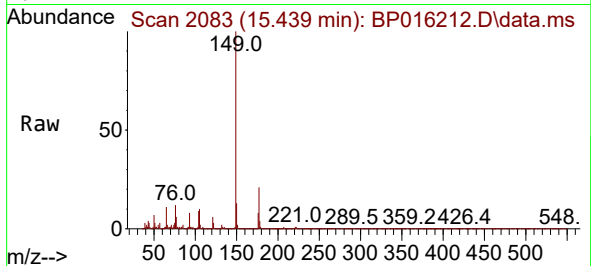




#59
Diethylphthalate
Concen: 6.705 ng/ul
RT: 15.439 min Scan# 2082
Delta R.T. 0.006 min
Lab File: BP016212.D
Acq: 13 Jul 2023 17:21

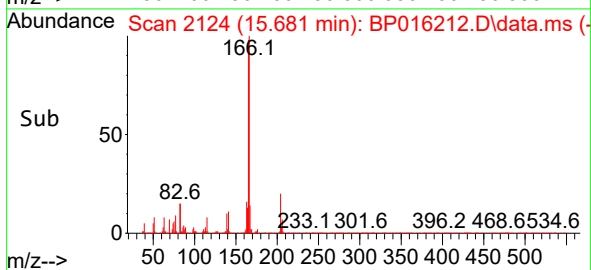
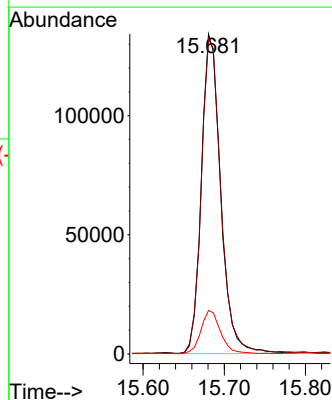
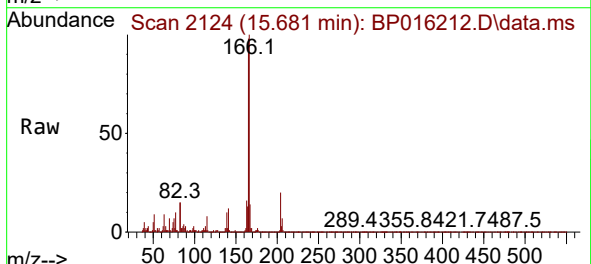
Instrument :
BNA_P
ClientSampleId :
A4634MSD

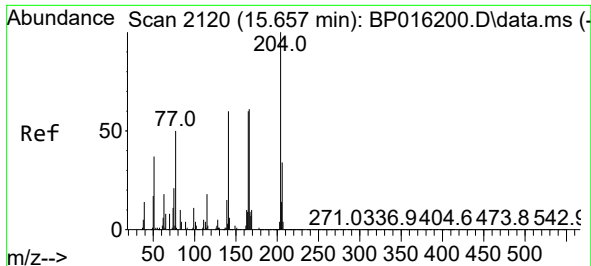
Tgt Ion:149 Resp: 228839
Ion Ratio Lower Upper
149 100
177 20.9 17.4 26.0
150 12.5 10.2 15.2



#61
Fluorene
Concen: 7.007 ng/ul
RT: 15.681 min Scan# 2124
Delta R.T. 0.012 min
Lab File: BP016212.D
Acq: 13 Jul 2023 17:21

Tgt Ion:166 Resp: 220572
Ion Ratio Lower Upper
166 100
165 98.4 78.6 117.8
167 13.6 11.0 16.4

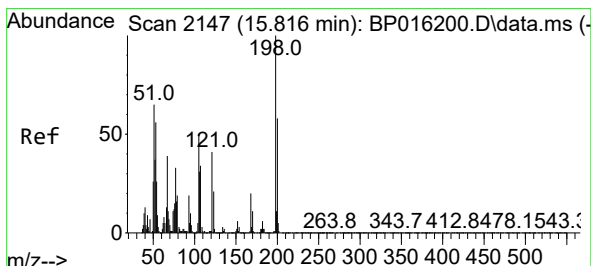
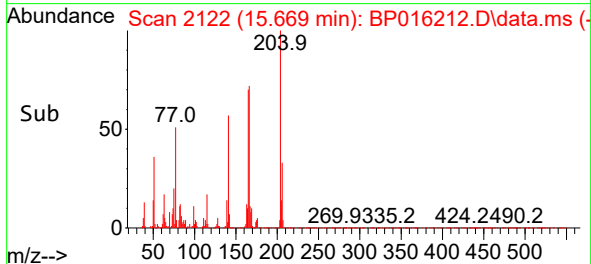
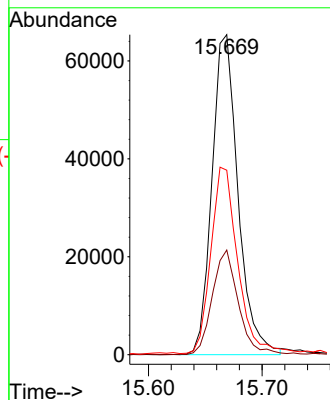
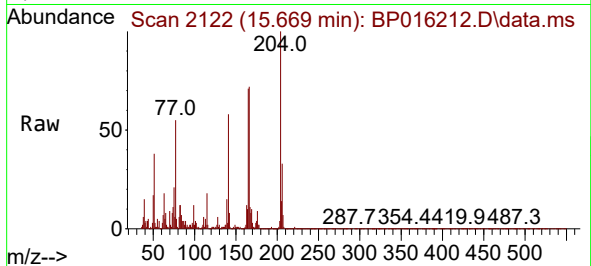




#62
4-Chlorophenyl-phenylether
Concen: 6.859 ng/ul
RT: 15.669 min Scan# 211
Delta R.T. 0.012 min
Lab File: BP016212.D
Acq: 13 Jul 2023 17:21

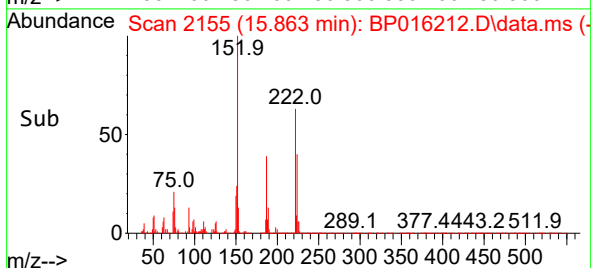
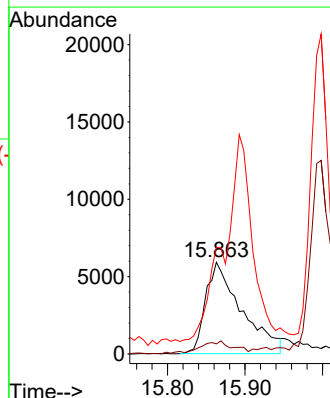
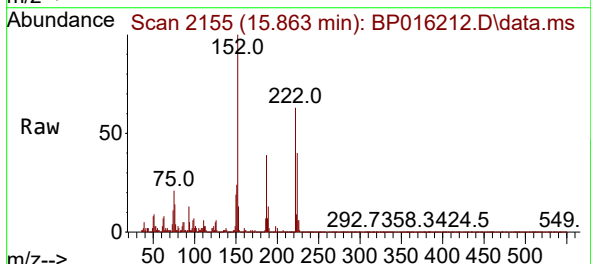
Instrument :
BNA_P
ClientSampleId :
A4634MSD

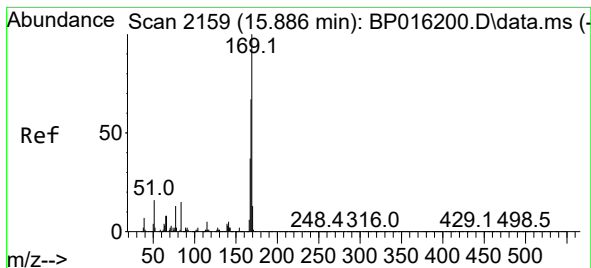
Tgt Ion:204 Resp: 104428
Ion Ratio Lower Upper
204 100
206 32.7 25.4 38.2
141 57.7 48.2 72.2



#66
4,6-Dinitro-2-methylphenol
Concen: 3.185 ng/ul
RT: 15.863 min Scan# 2155
Delta R.T. 0.047 min
Lab File: BP016212.D
Acq: 13 Jul 2023 17:21

Tgt Ion:198 Resp: 19095
Ion Ratio Lower Upper
198 100
182 10.9 4.3 6.5#
77 116.4 26.3 39.5#





#67

N-Nitrosodiphenylamine

Concen: 5.828 ng/ul

RT: 15.892 min Scan# 2159

Delta R.T. 0.006 min

Lab File: BP016212.D

Acq: 13 Jul 2023 17:21

Instrument :

BNA_P

ClientSampleId :

A4634MSD

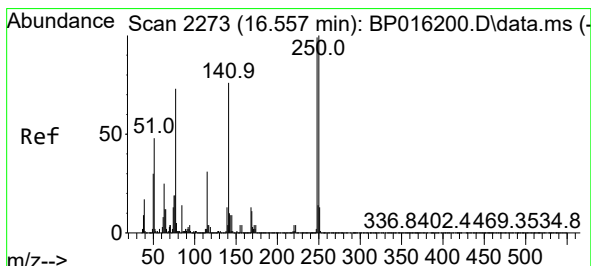
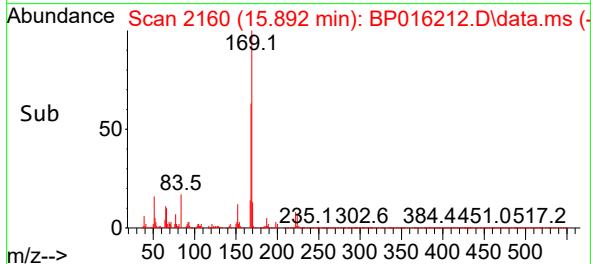
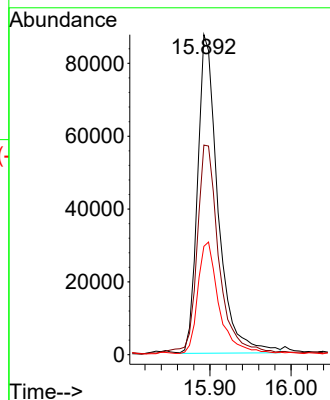
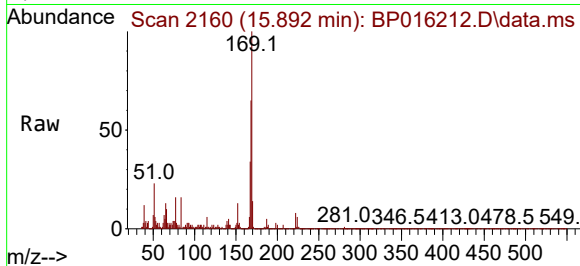
Tgt Ion:169 Resp: 153467

Ion Ratio Lower Upper

169 100

168 65.5 54.2 81.4

167 33.8 30.2 45.4



#68

4-Bromophenyl-phenylether

Concen: 6.881 ng/ul

RT: 16.563 min Scan# 2274

Delta R.T. 0.006 min

Lab File: BP016212.D

Acq: 13 Jul 2023 17:21

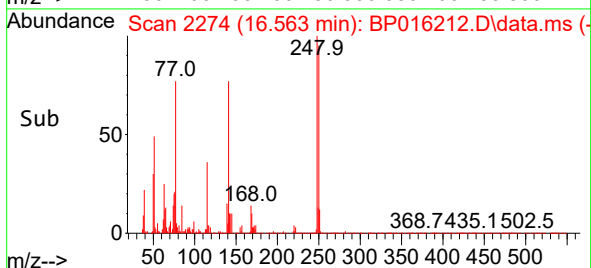
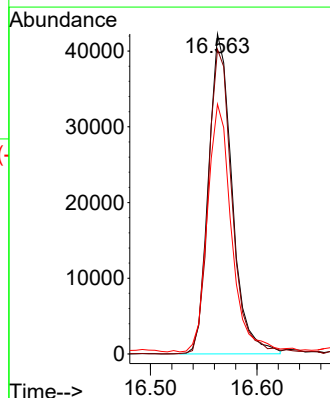
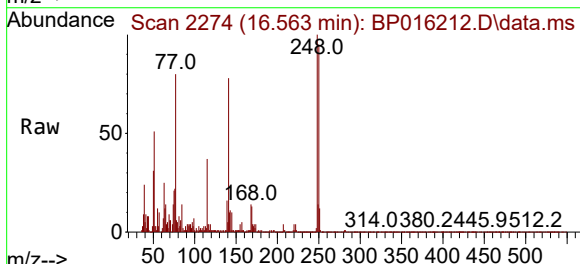
Tgt Ion:248 Resp: 64970

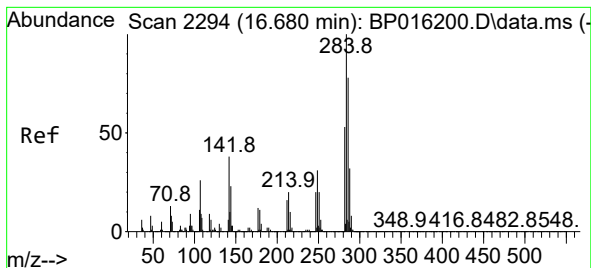
Ion Ratio Lower Upper

248 100

250 95.2 78.4 117.6

141 78.0 61.4 92.2





#69

Hexachlorobenzene

Concen: 5.932 ng/ul

RT: 16.692 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP016212.D

Acq: 13 Jul 2023 17:21

Instrument :

BNA_P

ClientSampleId :

A4634MSD

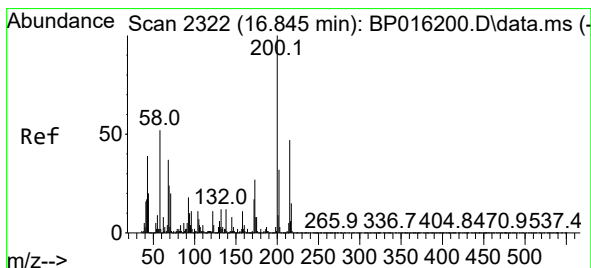
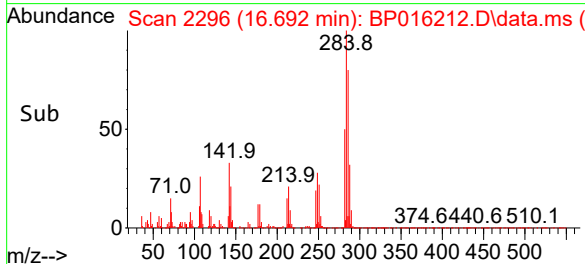
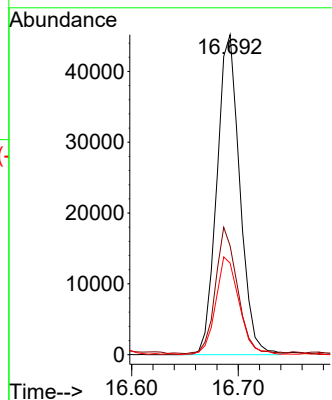
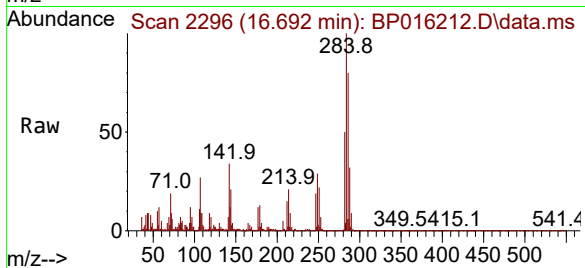
Tgt Ion:284 Resp: 67447

Ion Ratio Lower Upper

284 100

142 32.0 30.2 45.4

249 30.0 25.0 37.4



#70

Atrazine

Concen: 3.822 ng/ul

RT: 16.857 min Scan# 2324

Delta R.T. 0.012 min

Lab File: BP016212.D

Acq: 13 Jul 2023 17:21

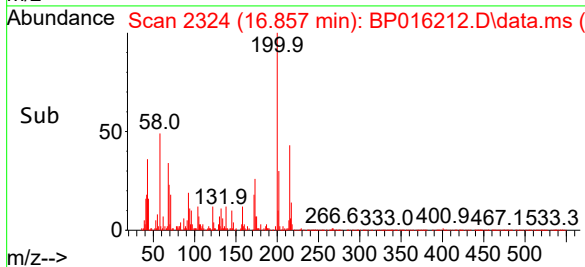
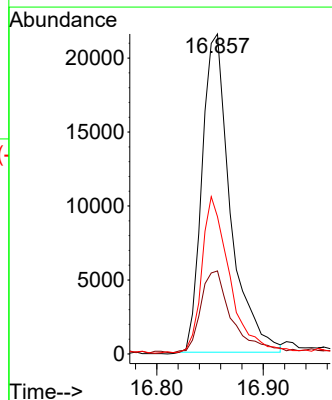
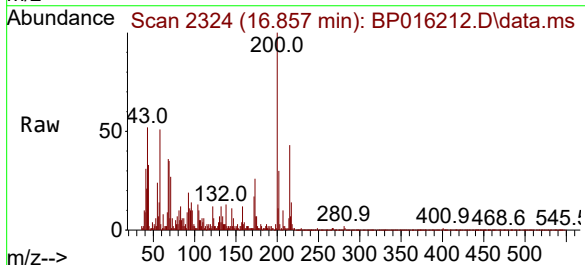
Tgt Ion:200 Resp: 39907

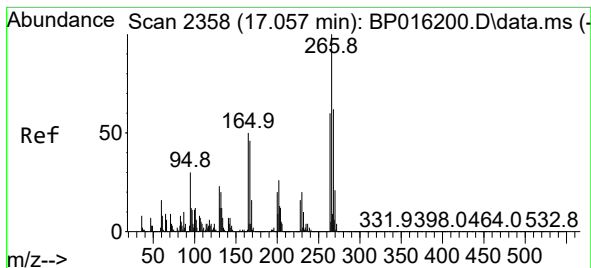
Ion Ratio Lower Upper

200 100

173 25.9 21.8 32.8

215 42.9 38.7 58.1





#71

Pentachlorophenol

Concen: 4.717 ng/ul

RT: 17.075 min Scan# 21

Delta R.T. 0.018 min

Lab File: BP016212.D

Acq: 13 Jul 2023 17:21

Instrument :

BNA_P

ClientSampleId :

A4634MSD

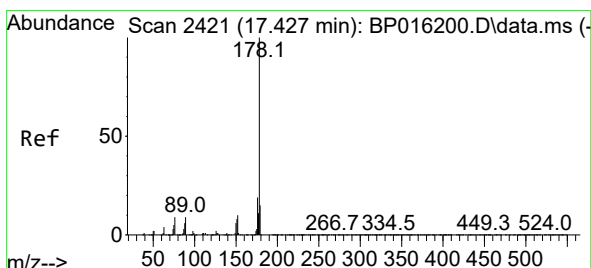
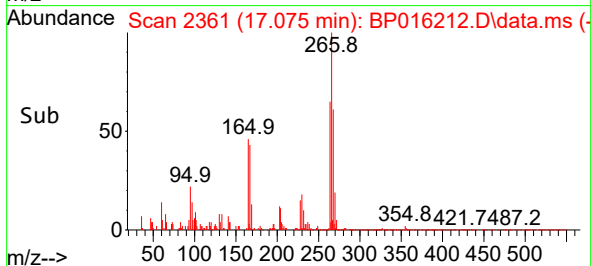
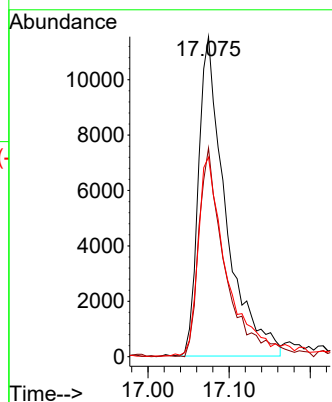
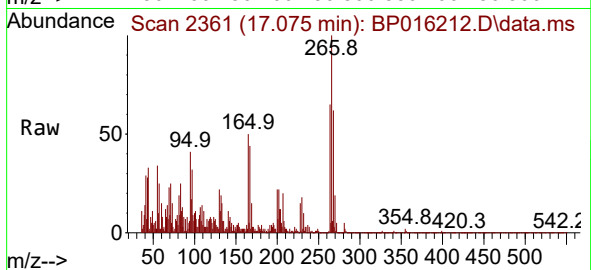
Tgt Ion:266 Resp: 26894

Ion Ratio Lower Upper

266 100

264 65.2 49.8 74.8

268 62.3 49.5 74.3



#72

Phenanthrene

Concen: 8.035 ng/ul

RT: 17.433 min Scan# 2422

Delta R.T. 0.006 min

Lab File: BP016212.D

Acq: 13 Jul 2023 17:21

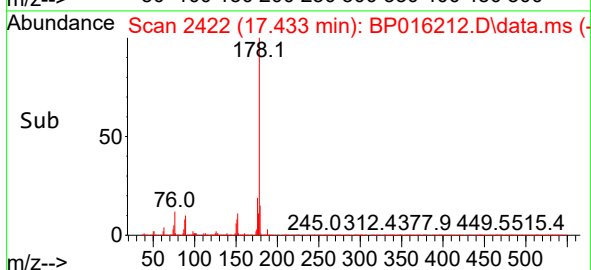
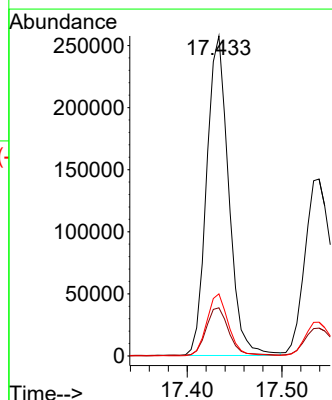
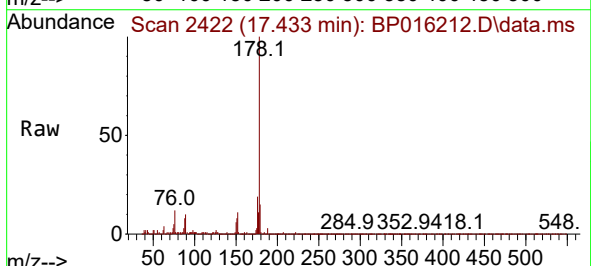
Tgt Ion:178 Resp: 415937

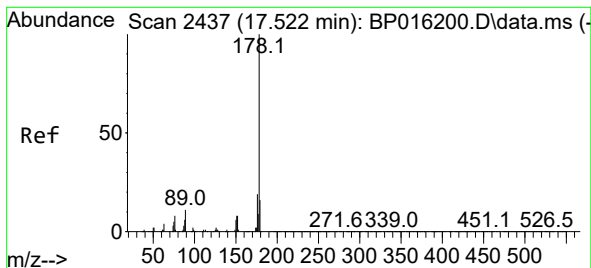
Ion Ratio Lower Upper

178 100

179 15.0 12.5 18.7

176 19.4 15.6 23.4





#74

Anthracene

Concen: 5.950 ng/ul

RT: 17.539 min Scan# 2437

Delta R.T. 0.018 min

Lab File: BP016212.D

Acq: 13 Jul 2023 17:21

Instrument :

BNA_P

ClientSampleId :

A4634MSD

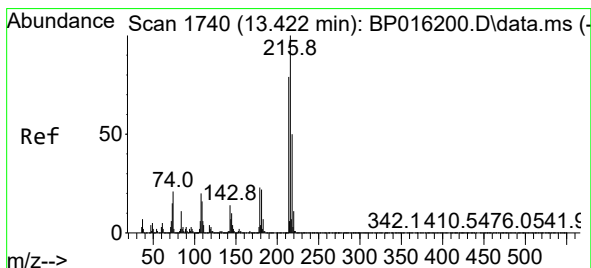
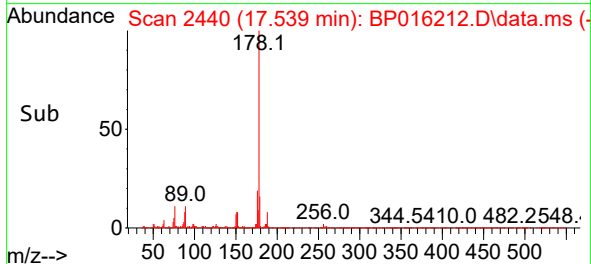
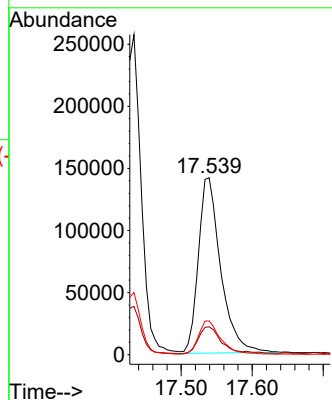
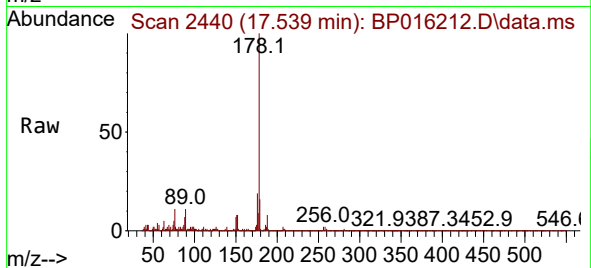
Tgt Ion:178 Resp: 309508

Ion Ratio Lower Upper

178 100

179 15.8 11.9 17.9

176 19.1 15.0 22.4



#75

1,2,3,4-Tetrachlorobenzene

Concen: 6.304 ng/ul

RT: 13.434 min Scan# 1742

Delta R.T. 0.012 min

Lab File: BP016212.D

Acq: 13 Jul 2023 17:21

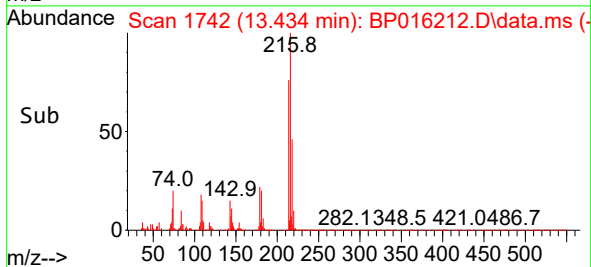
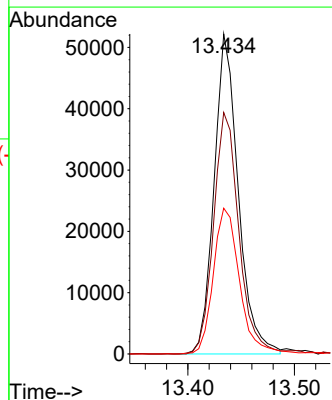
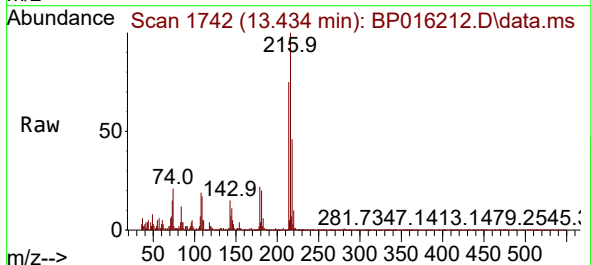
Tgt Ion:216 Resp: 82219

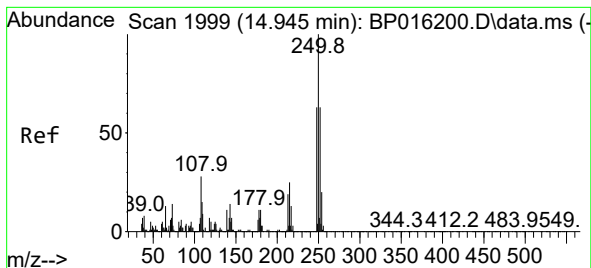
Ion Ratio Lower Upper

216 100

214 75.5 62.6 94.0

218 45.5 38.5 57.7





#76

Pentachlorobenzene

Concen: 16.222 ng/uL

RT: 14.951 min Scan# 2000

Delta R.T. 0.006 min

Lab File: BP016212.D

Acq: 13 Jul 2023 17:21

Instrument :

BNA_P

ClientSampleId :

A4634MSD

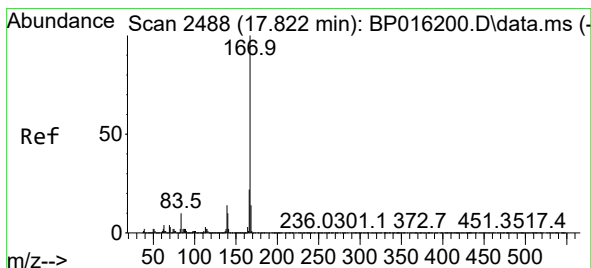
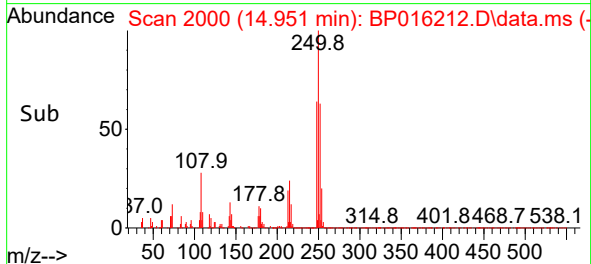
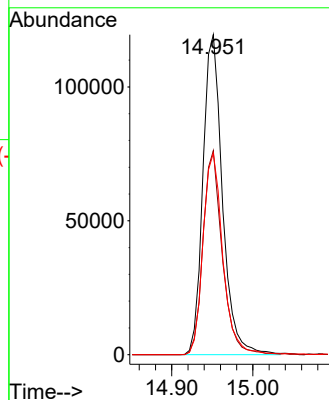
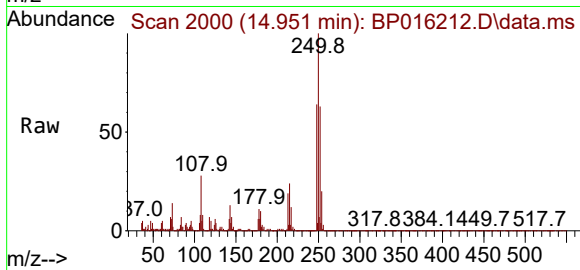
Tgt Ion:250 Resp: 199713

Ion Ratio Lower Upper

250 100

248 63.7 50.5 75.7

252 63.0 51.7 77.5



#77

Carbazole

Concen: 6.383 ng/uL

RT: 17.828 min Scan# 2489

Delta R.T. 0.006 min

Lab File: BP016212.D

Acq: 13 Jul 2023 17:21

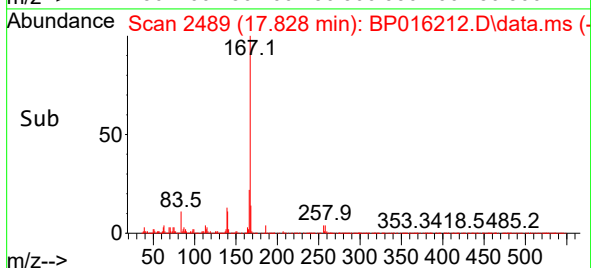
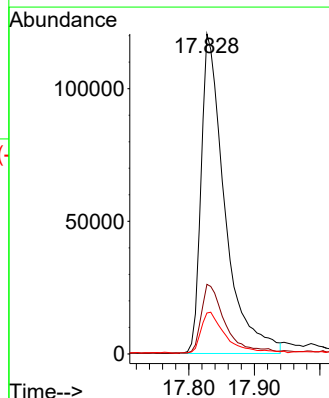
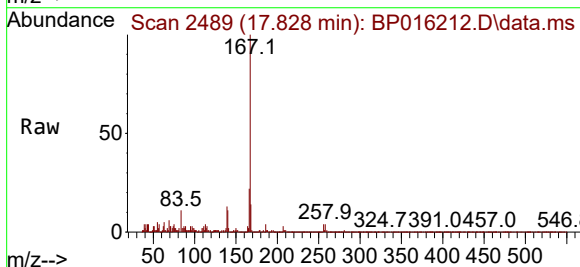
Tgt Ion:167 Resp: 302706

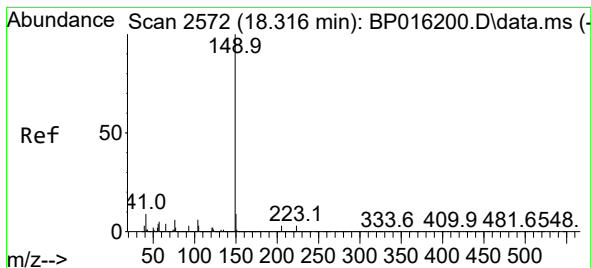
Ion Ratio Lower Upper

167 100

166 21.8 16.8 25.2

139 12.8 10.2 15.4





#78

Di-n-butylphthalate

Concen: 7.586 ng/ul

RT: 18.316 min Scan# 2572

Delta R.T. 0.000 min

Lab File: BP016212.D

Acq: 13 Jul 2023 17:21

Instrument :

BNA_P

ClientSampleId :

A4634MSD

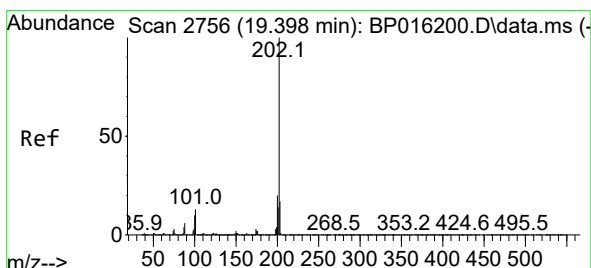
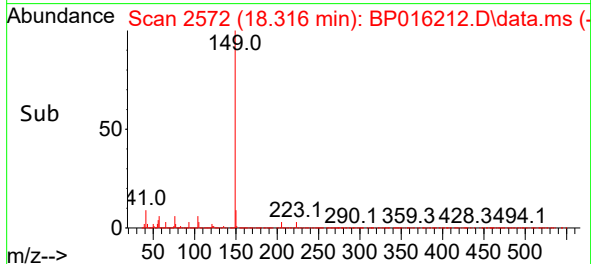
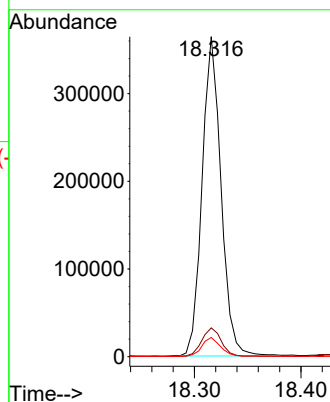
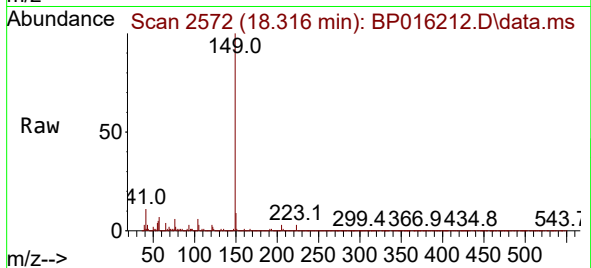
Tgt Ion:149 Resp: 450700

Ion Ratio Lower Upper

149 100

150 9.0 7.4 11.0

104 6.0 4.6 7.0



#80

Fluoranthene

Concen: 9.175 ng/ul

RT: 19.398 min Scan# 2756

Delta R.T. 0.000 min

Lab File: BP016212.D

Acq: 13 Jul 2023 17:21

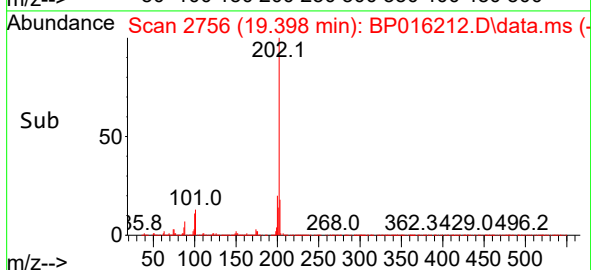
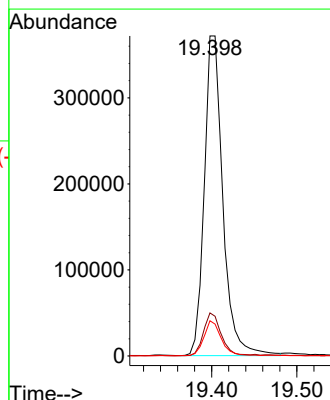
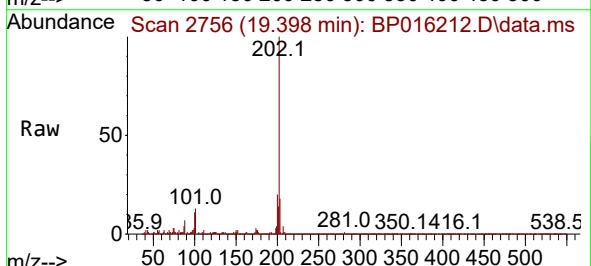
Tgt Ion:202 Resp: 562736

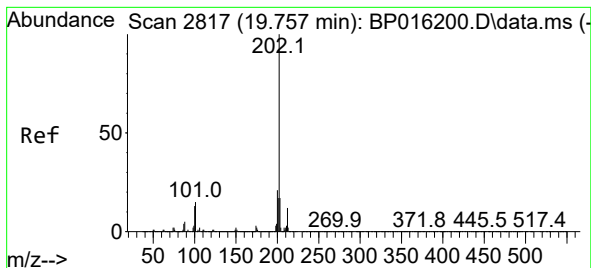
Ion Ratio Lower Upper

202 100

101 13.5 10.4 15.6

100 11.0 8.2 12.4





#82

Pyrene

Concen: 7.958 ng/ul

RT: 19.757 min Scan# 2817

Delta R.T. 0.000 min

Lab File: BP016212.D

Acq: 13 Jul 2023 17:21

Instrument :

BNA_P

ClientSampleId :

A4634MSD

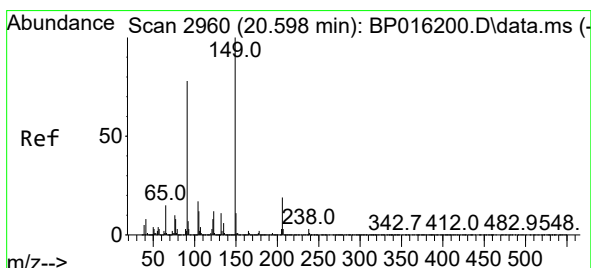
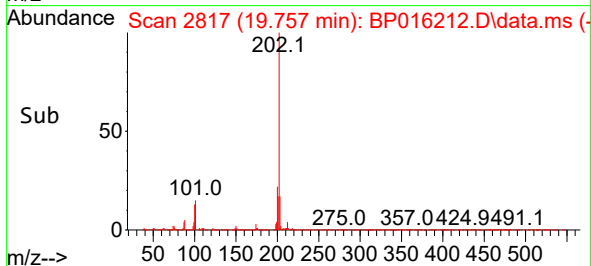
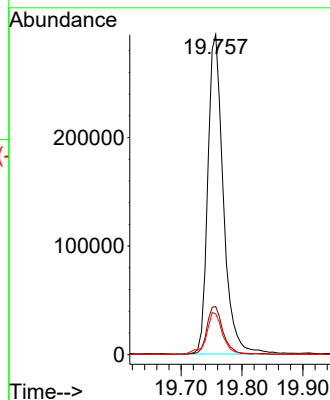
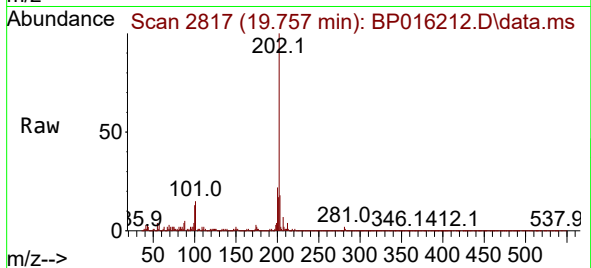
Tgt Ion:202 Resp: 521118

Ion Ratio Lower Upper

202 100

101 15.1 12.4 18.6

100 12.7 10.5 15.7



#83

Butylbenzylphthalate

Concen: 8.102 ng/ul

RT: 20.592 min Scan# 2959

Delta R.T. -0.006 min

Lab File: BP016212.D

Acq: 13 Jul 2023 17:21

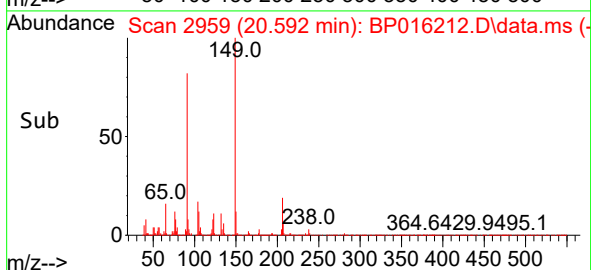
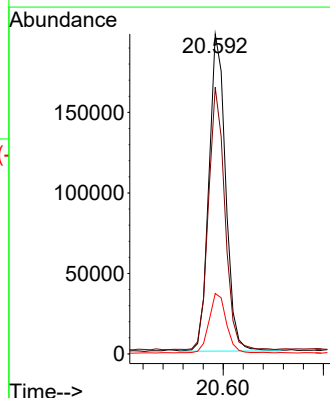
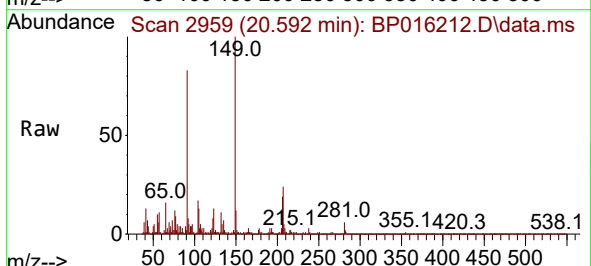
Tgt Ion:149 Resp: 228808

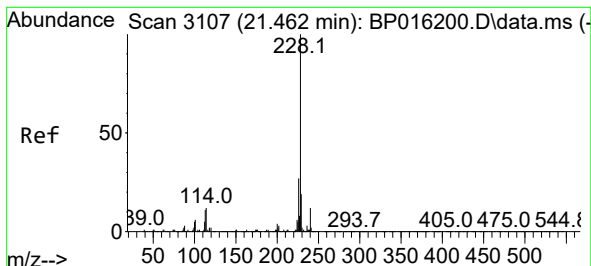
Ion Ratio Lower Upper

149 100

91 83.3 67.1 100.7

206 18.9 15.0 22.4





#85

Benzo(a)anthracene

Concen: 7.905 ng/ul

RT: 21.463 min Scan# 3107

Delta R.T. 0.000 min

Lab File: BP016212.D

Acq: 13 Jul 2023 17:21

Instrument :

BNA_P

ClientSampleId :

A4634MSD

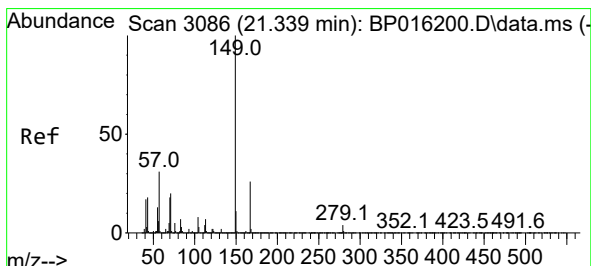
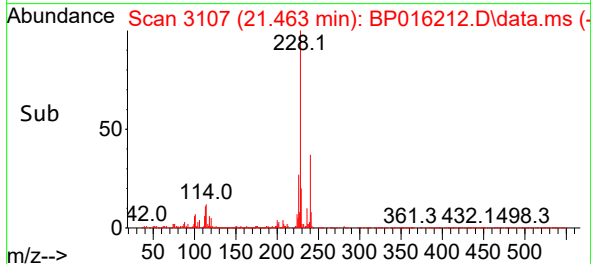
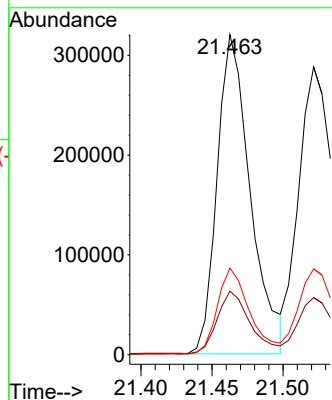
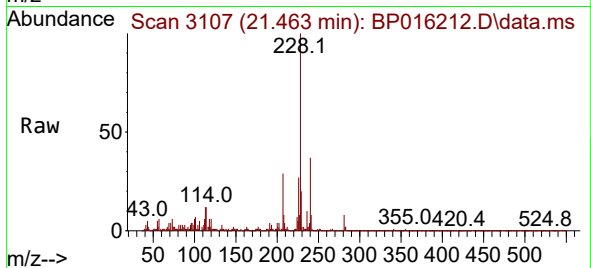
Tgt Ion:228 Resp: 520319

Ion Ratio Lower Upper

228 100

229 19.9 15.5 23.3

226 27.0 21.5 32.3



#86

Bis(2-ethylhexyl)phthalate

Concen: 11.419 ng/ul

RT: 21.339 min Scan# 3086

Delta R.T. 0.000 min

Lab File: BP016212.D

Acq: 13 Jul 2023 17:21

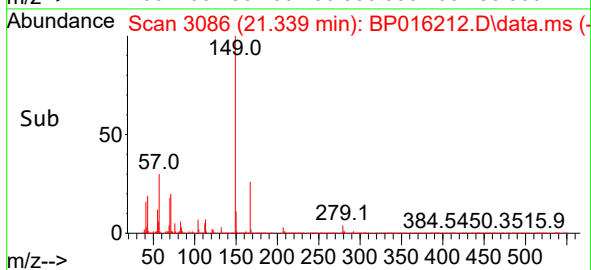
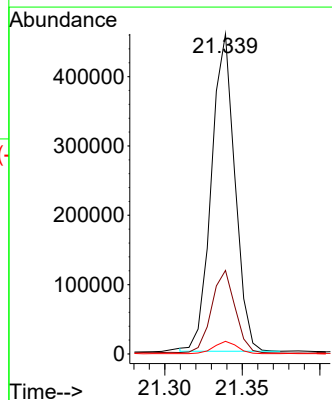
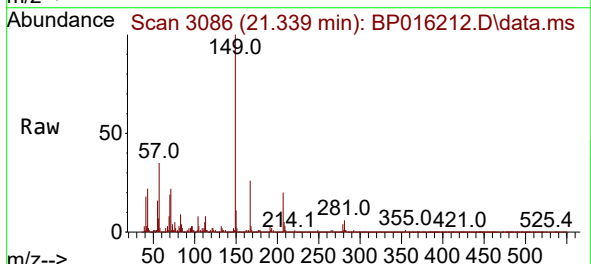
Tgt Ion:149 Resp: 481774

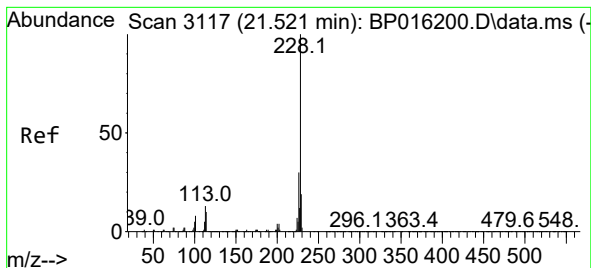
Ion Ratio Lower Upper

149 100

167 26.1 21.0 31.4

279 4.0 3.0 4.6





#87

Chrysene

Concen: 8.167 ng/ul

RT: 21.521 min Scan# 3117

Delta R.T. 0.000 min

Lab File: BP016212.D

Acq: 13 Jul 2023 17:21

Instrument :

BNA_P

ClientSampleId :

A4634MSD

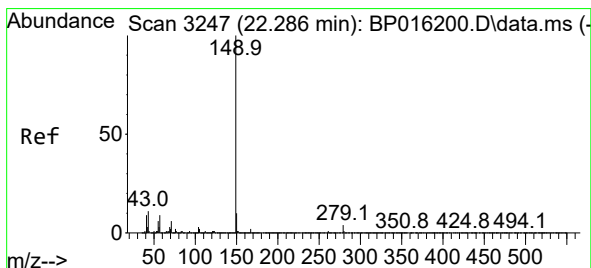
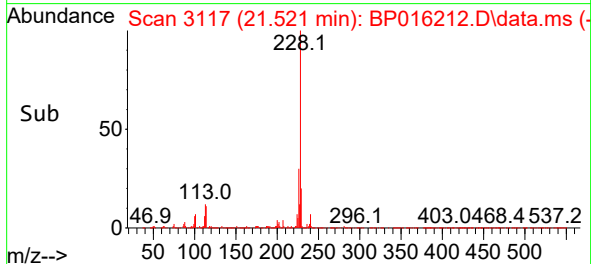
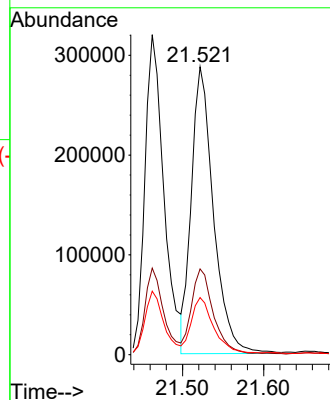
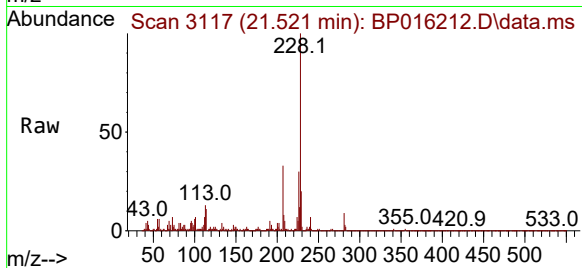
Tgt Ion:228 Resp: 544606

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: 7.825 ng/ul

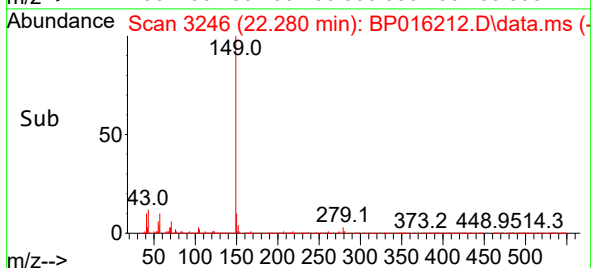
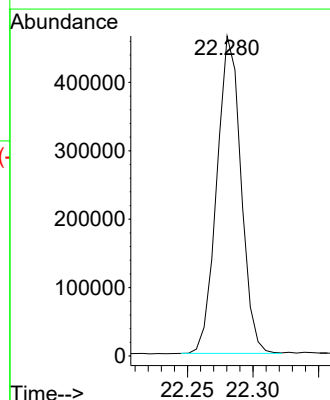
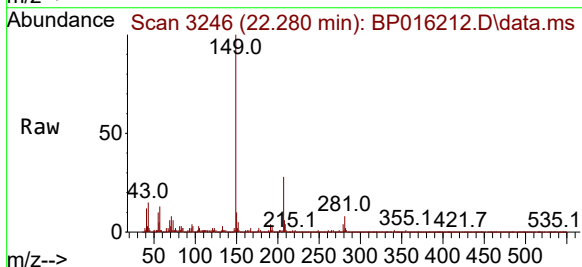
RT: 22.280 min Scan# 3246

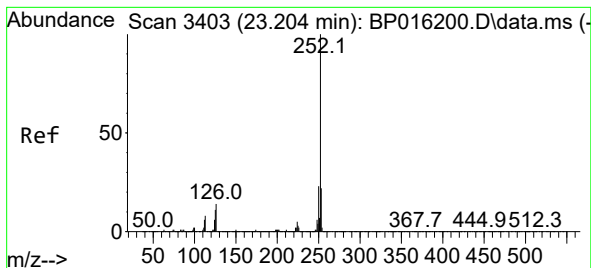
Delta R.T. -0.006 min

Lab File: BP016212.D

Acq: 13 Jul 2023 17:21

Tgt Ion:149 Resp: 594049





#90

Benzo(b)fluoranthene

Concen: 8.450 ng/ul

RT: 23.215 min Scan# 3405

Delta R.T. 0.012 min

Lab File: BP016212.D

Acq: 13 Jul 2023 17:21

Instrument :

BNA_P

ClientSampleId :

A4634MSD

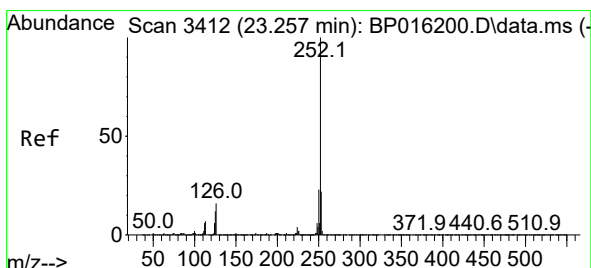
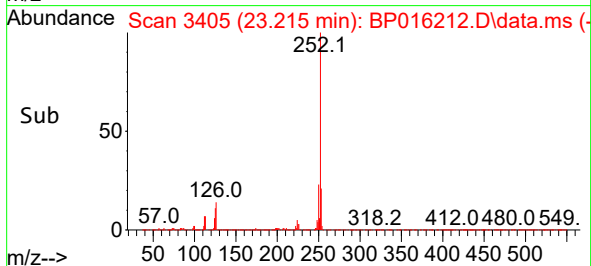
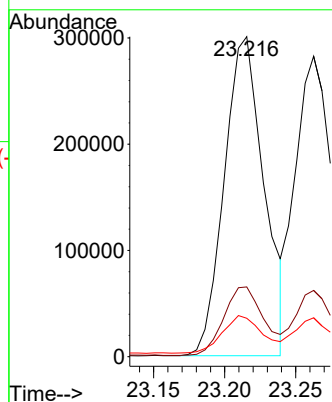
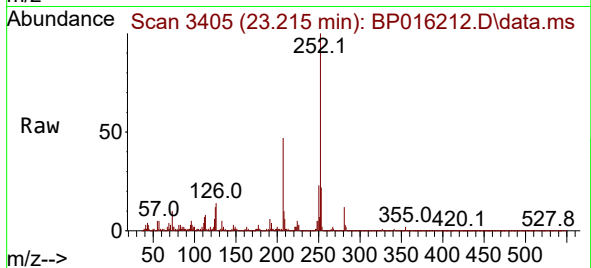
Tgt Ion:252 Resp: 585067

Ion Ratio Lower Upper

252 100

253 21.8 17.3 25.9

125 12.0 9.4 14.0



#91

Benzo(k)fluoranthene

Concen: 7.840 ng/ul

RT: 23.263 min Scan# 3413

Delta R.T. 0.006 min

Lab File: BP016212.D

Acq: 13 Jul 2023 17:21

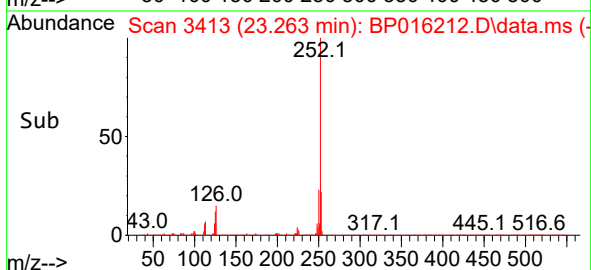
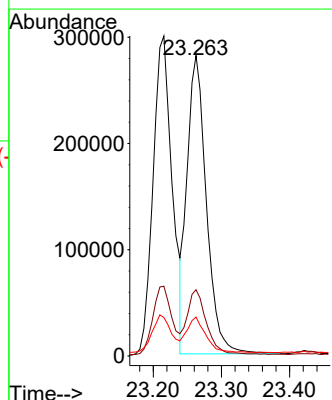
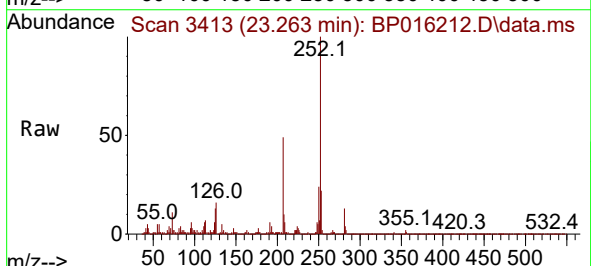
Tgt Ion:252 Resp: 552355

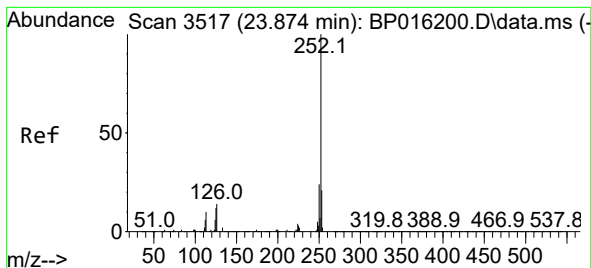
Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

125 12.9 9.3 13.9





#93

Benzo(a)pyrene

Concen: 4.306 ng/ul

RT: 23.874 min Scan# 3

Delta R.T. 0.000 min

Lab File: BP016212.D

Acq: 13 Jul 2023 17:21

Instrument :

BNA_P

ClientSampleId :

A4634MSD

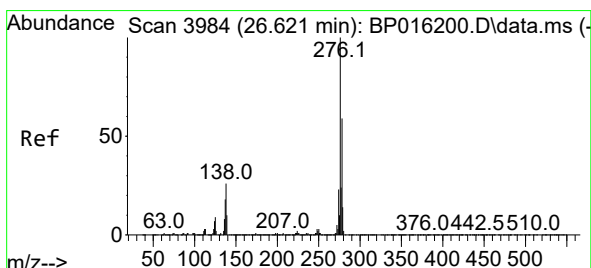
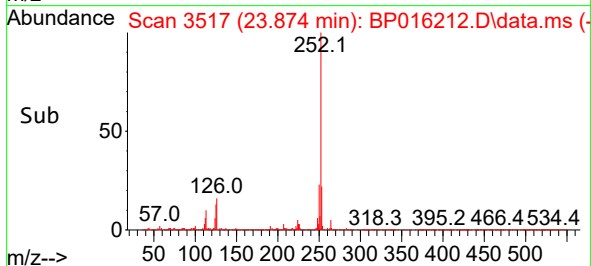
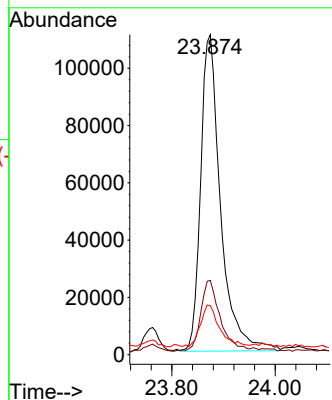
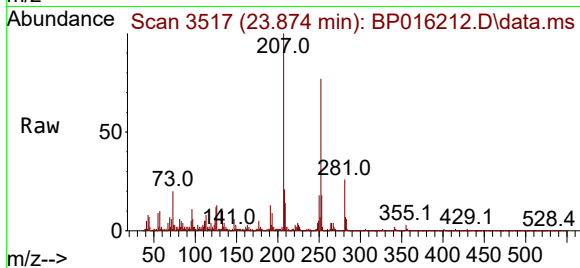
Tgt Ion:252 Resp: 295337

Ion Ratio Lower Upper

252 100

253 23.2 17.2 25.8

125 15.3 9.8 14.6#



#94

Indeno(1,2,3-cd)pyrene

Concen: 5.959 ng/ul

RT: 26.645 min Scan# 3988

Delta R.T. 0.024 min

Lab File: BP016212.D

Acq: 13 Jul 2023 17:21

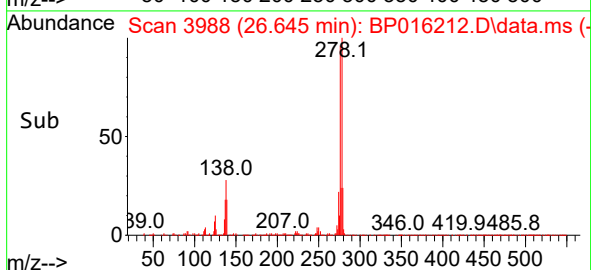
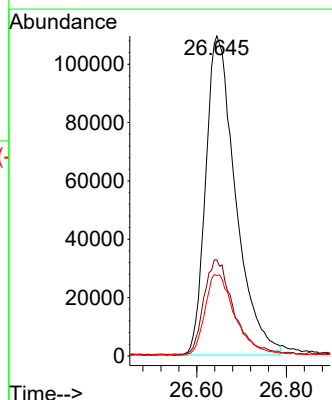
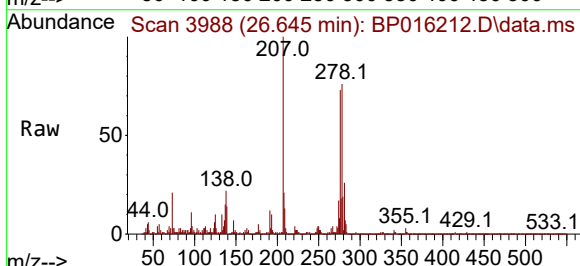
Tgt Ion:276 Resp: 506093

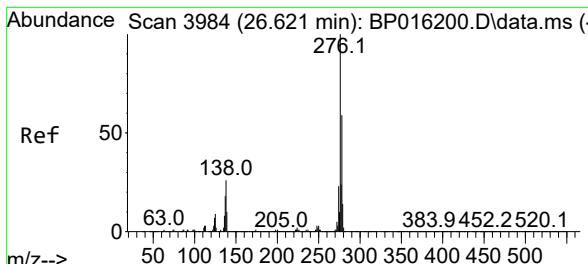
Ion Ratio Lower Upper

276 100

138 30.0 20.8 31.2

277 25.1 19.8 29.8





#95
 Dibenzo(a,h)anthracene
 Concen: 7.075 ng/ul
 RT: 26.633 min Scan# 3986
 Delta R.T. 0.012 min
 Lab File: BP016212.D
 Acq: 13 Jul 2023 17:21

Instrument :
 BNA_P
 ClientSampleId :
 A4634MSD

Tgt Ion:	278	Resp:	490143
Ion Ratio	Lower	Upper	
278	100		
139	17.6	13.9	20.9
279	24.7	18.2	27.4

