

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071323\
 Data File : BP016211.D
 Acq On : 13 Jul 2023 16:47
 Operator : MA/JU
 Sample : 03414-20MS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4634MS

Quant Time: Jul 14 00:43:32 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	132596	20.000	ng/u1	0.00
20) Naphthalene-d8	10.793	136	632250	20.000	ng/u1	0.01
38) Acenaphthene-d10	14.616	164	430112	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.386	188	1015863	20.000	ng/u1	0.00
79) Chrysene-d12	21.480	240	1083172	20.000	ng/u1	0.00
88) Perylene-d12	23.980	264	1327503	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.287	96	3074	0.820	ng/uL	0.00
4) Pyridine-d5	3.740	84	567	0.061	ng/u1	0.00
7) Phenol-d5	7.175	99	145670	12.163	ng/u1	0.02
9) Bis-(2-Chloroethyl)eth...	7.305	67	91897	11.347	ng/u1	0.00
11) 2-Chlorophenol-d4	7.510	132	112274	12.986	ng/u1	0.01
15) 4-Methylphenol-d8	8.740	113	71669	7.428	ng/u1	0.03
21) Nitrobenzene-d5	9.181	128	51884	11.895	ng/u1	0.02
24) 2-Nitrophenol-d4	9.916	143	60922	12.255	ng/u1	0.02
28) 2,4-Dichlorophenol-d3	10.510	165	111917	13.000	ng/u1	0.05
31) 4-Chloroaniline-d4	11.040	131	42067	3.049	ng/u1	0.07
46) Dimethylphthalate-d6	14.039	166	442282	13.480	ng/u1	0.00
49) Acenaphthylene-d8	14.316	160	486769	13.538	ng/u1	0.00
54) 4-Nitrophenol-d4	14.951	143	22180	3.313	ng/u1	0.01
60) Fluorene-d10	15.622	176	393741	14.340	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.828	200	39889	6.802	ng/u1	0.03
73) Anthracene-d10	17.492	188	596238	13.418	ng/u1	0.00
81) Pyrene-d10	19.721	212	788255	14.024	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.815	264	809994	12.706	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.322	88	7397	1.800	ng/uL#	82
6) Benzaldehyde	7.157	77	35511	4.748	ng/u1	94
8) Phenol	7.210	94	59978	4.672	ng/u1	94
10) Bis(2-Chloroethyl)ether	7.404	93	49281	4.720	ng/u1	93
12) 2-Chlorophenol	7.540	128	45916	5.119	ng/u1	93
13) 2-Methylphenol	8.475	108	23208	2.402	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.504	45	86051	5.078	ng/u1#	92
16) Acetophenone	8.840	105	140387	8.824	ng/u1	96
17) N-Nitroso-di-n-propyla...	8.799	70	57350	6.724	ng/u1	97
18) 4-Methylphenol	8.834	108	23869	2.259	ng/u1	95
19) Hexachloroethane	9.028	117	19140	4.680	ng/u1	91
22) Nitrobenzene	9.228	77	58913	4.649	ng/u1	95
23) Isophorone	9.734	82	119984	4.776	ng/u1	99
25) 2-Nitrophenol	9.951	139	24390	4.566	ng/u1	90
27) Bis(2-Chloroethoxy)met...	10.251	93	67810	4.636	ng/u1	99
29) 2,4-Dichlorophenol	10.540	162	30377	3.432	ng/u1	98
30) Naphthalene	10.845	128	187249	5.643	ng/u1	98
33) Hexachlorobutadiene	11.093	225	31540	5.246	ng/u1	97
34) Caprolactam	11.869	113	3428	1.070	ng/u1	89
35) 4-Chloro-3-methylphenol	12.169	107	42730	3.912	ng/u1	98
36) 2-Methylnaphthalene	12.475	142	118956	5.347	ng/u1	97
37) 1-Methylnaphthalene	12.681	142	121722	5.320	ng/u1	98
39) 1,2,4,5-Tetrachloroben...	12.845	216	64009	5.225	ng/u1	96
41) 2,4,6-Trichlorophenol	13.110	196	28886	3.732	ng/u1	96

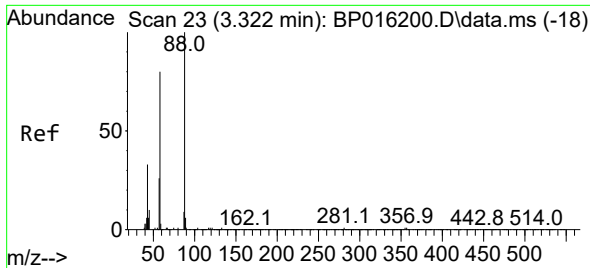
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,5-Trichlorophenol	13.228	196	34725	4.220	ng/ul	94
43) 1,1'-Biphenyl	13.463	154	166611	5.310	ng/ul	98
44) 2-Chloronaphthalene	13.522	162	126366	5.126	ng/ul	100
45) 2-Nitroaniline	13.798	65	31008	3.860	ng/ul	98
47) Dimethylphthalate	14.086	163	173878	5.247	ng/ul	99
48) 2,6-Dinitrotoluene	14.257	165	27584	4.415	ng/ul	93
50) Acenaphthylene	14.345	152	205224	4.969	ng/ul	99
52) Acenaphthene	14.686	153	150837	5.400	ng/ul	99
53) 2,4-Dinitrophenol	14.916	184	5678	1.299	ng/ul	93
55) 4-Nitrophenol	14.951	109	7554	1.482	ng/ul#	5
56) Dibenzofuran	15.039	168	213032	5.600	ng/ul	94
57) 2,4-Dinitrotoluene	15.086	165	40916	4.440	ng/ul	85
58) 2,3,4,6-Tetrachlorophenol	15.298	232	37726	5.052	ng/ul	93
59) Diethylphthalate	15.439	149	180922	5.250	ng/ul	99
61) Fluorene	15.686	166	178001	5.601	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.669	204	81605	5.309	ng/ul	100
66) 4,6-Dinitro-2-methylph...	15.851	198	12523	2.043	ng/ul#	33
67) N-Nitrosodiphenylamine	15.898	169	118765	4.411	ng/ul	98
68) 4-Bromophenyl-phenylether	16.563	248	52008	5.387	ng/ul	96
69) Hexachlorobenzene	16.686	284	53131	4.570	ng/ul	98
70) Atrazine	16.857	200	32486	3.043	ng/ul	99
71) Pentachlorophenol	17.075	266	19105	3.277	ng/ul	94
72) Phenanthrene	17.433	178	339912	6.422	ng/ul	99
74) Anthracene	17.533	178	254458	4.784	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.439	216	66069	4.954	ng/uL	98
76) Pentachlorobenzene	14.951	250	158206	12.568	ng/uL	98
77) Carbazole	17.839	167	247142	5.096	ng/ul	98
78) Di-n-butylphthalate	18.316	149	359950	5.925	ng/ul	100
80) Fluoranthene	19.404	202	470877	7.164	ng/ul	98
82) Pyrene	19.757	202	430268	6.132	ng/ul	99
83) Butylbenzylphthalate	20.598	149	183899	6.077	ng/ul	95
85) Benzo(a)anthracene	21.468	228	430498	6.103	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.339	149	403798	8.932	ng/ul	99
87) Chrysene	21.527	228	471196	6.594	ng/ul	99
89) Di-n-octyl phthalate	22.286	149	486130	5.846	ng/ul	100
90) Benzo(b)fluoranthene	23.215	252	499815	6.591	ng/ul	99
91) Benzo(k)fluoranthene	23.262	252	481297	6.237	ng/ul	98
93) Benzo(a)pyrene	23.874	252	250675	3.337	ng/ul#	94
94) Indeno(1,2,3-cd)pyrene	26.656	276	461028	4.956	ng/ul	95
95) Dibenzo(a,h)anthracene	26.639	278	442276	5.829	ng/ul	98

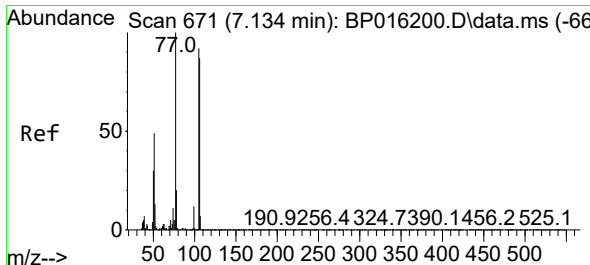
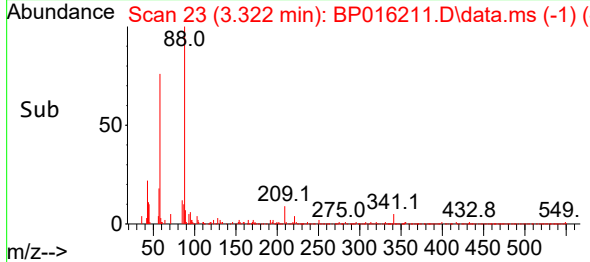
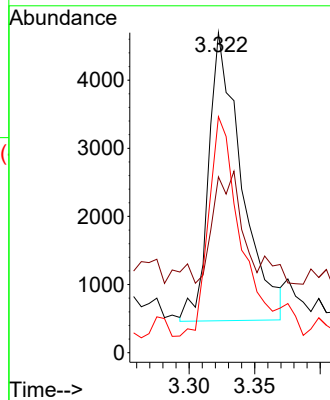
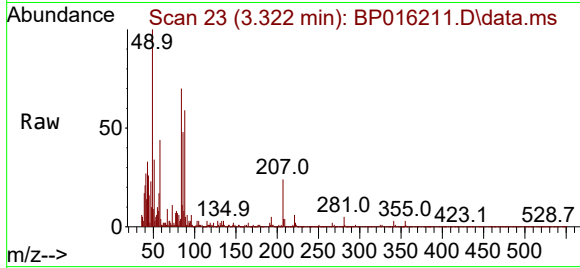
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#2
1,4-Dioxane
Concen: 1.800 ng/uL
RT: 3.322 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP016211.D
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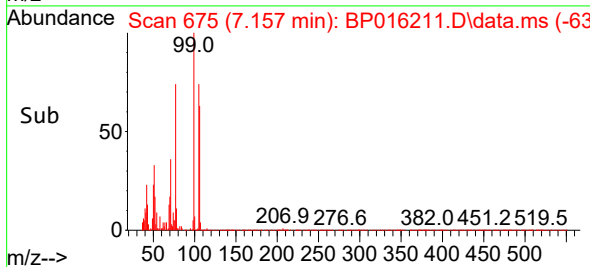
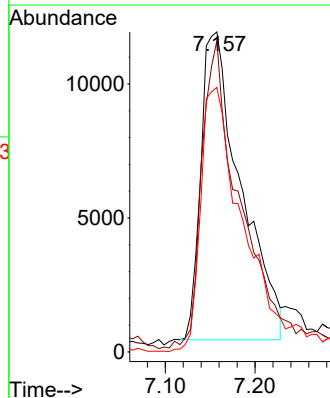
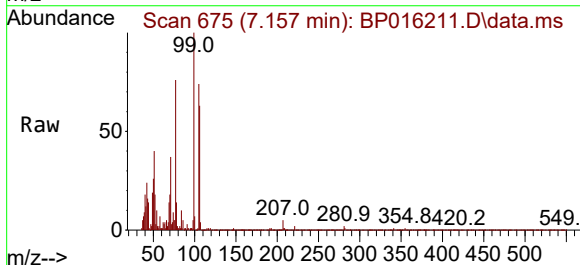
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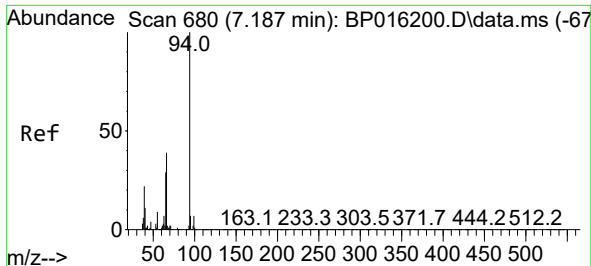
Tgt Ion: 88 Resp: 7397
Ion Ratio Lower Upper
88 100
43 55.0 22.3 33.5#
58 73.7 63.1 94.7



#6
Benzaldehyde
Concen: 4.748 ng/uL
RT: 7.157 min Scan# 675
Delta R.T. 0.024 min
Lab File: BP016211.D
Acq: 13 Jul 2023 16:47

Tgt Ion: 77 Resp: 35511
Ion Ratio Lower Upper
77 100
105 97.2 69.4 104.2
106 82.7 66.2 99.4

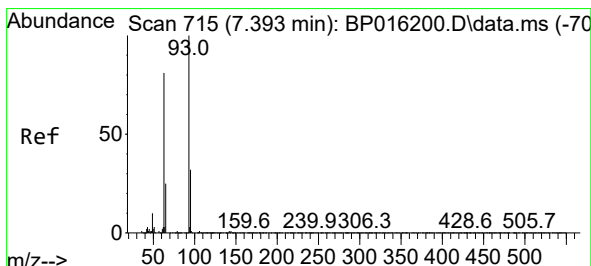
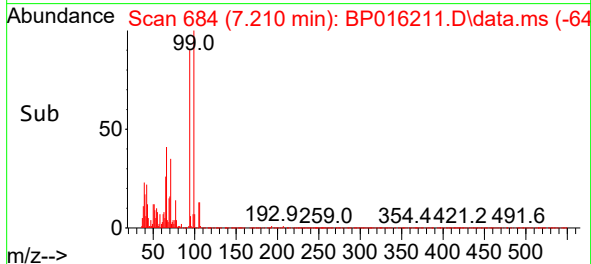
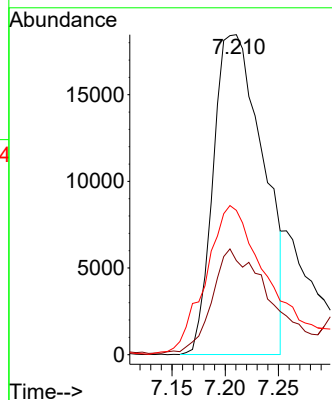
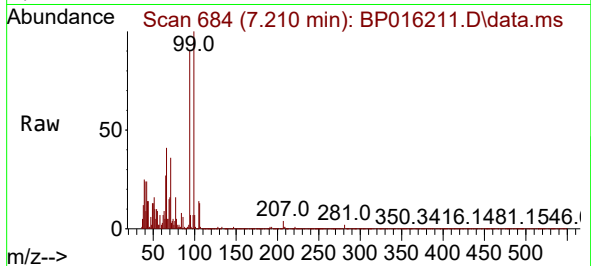




#8
Phenol
Concen: 4.672 ng/ul
RT: 7.210 min Scan# 611
Delta R.T. 0.024 min
Lab File: BP016211.D
Acq: 13 Jul 2023 16:47

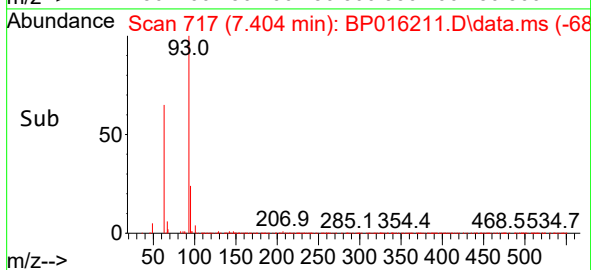
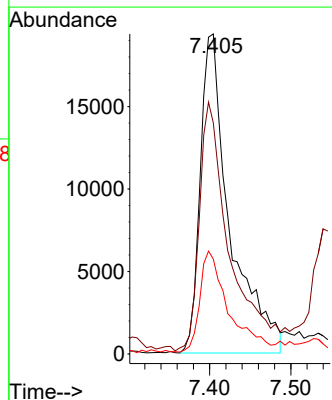
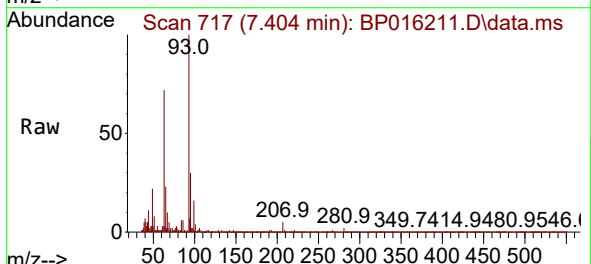
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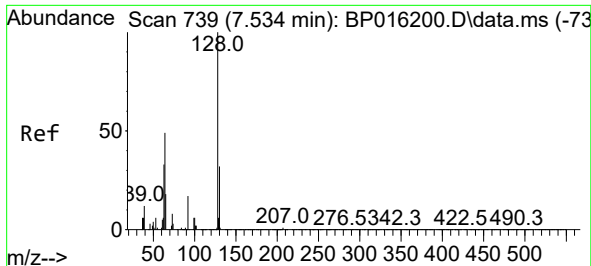
Tgt Ion: 94 Resp: 59978
Ion Ratio Lower Upper
94 100
65 29.4 25.5 38.3
66 45.1 32.7 49.1



#10
Bis(2-Chloroethyl)ether
Concen: 4.720 ng/ul
RT: 7.404 min Scan# 717
Delta R.T. 0.012 min
Lab File: BP016211.D
Acq: 13 Jul 2023 16:47

Tgt Ion: 93 Resp: 49281
Ion Ratio Lower Upper
93 100
63 72.2 63.5 95.3
95 29.7 25.1 37.7





#12

2-Chlorophenol

Concen: 5.119 ng/ul

RT: 7.540 min Scan# 740

Delta R.T. 0.006 min

Lab File: BP016211.D

Acq: 13 Jul 2023 16:47

Instrument :

BNA_P

ClientSampleId :

A4634MS

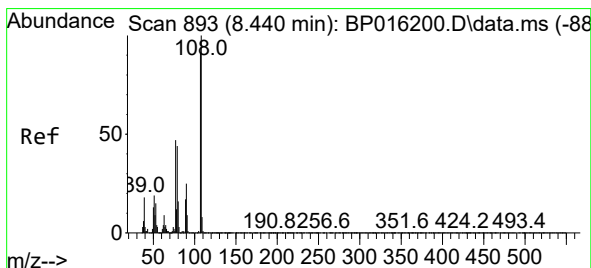
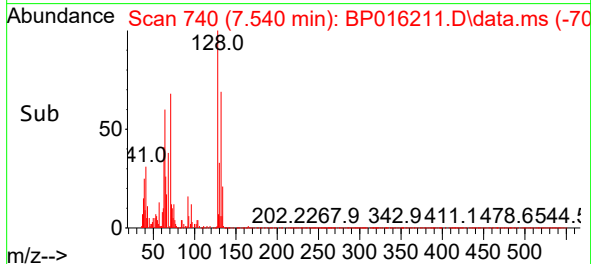
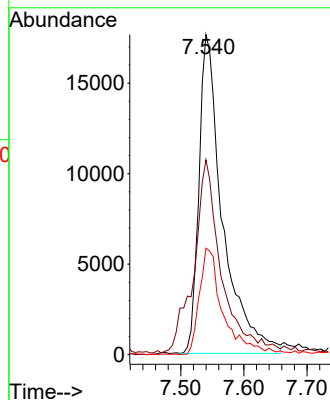
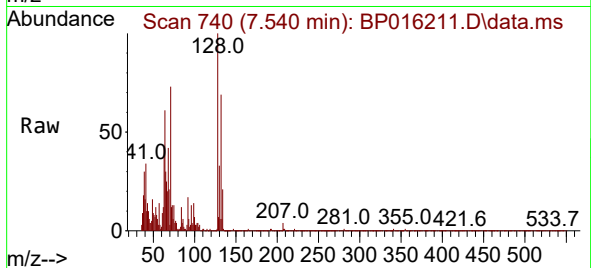
Tgt Ion:128 Resp: 45916

Ion Ratio Lower Upper

128 100

64 60.9 44.1 66.1

130 33.3 24.3 36.5



#13

2-Methylphenol

Concen: 2.402 ng/ul

RT: 8.475 min Scan# 899

Delta R.T. 0.035 min

Lab File: BP016211.D

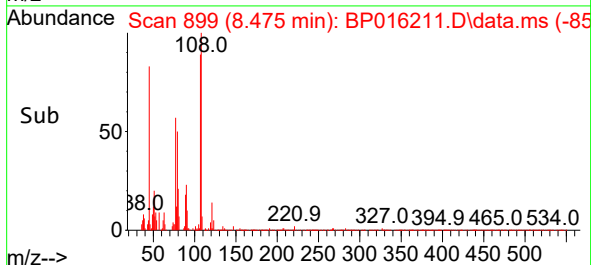
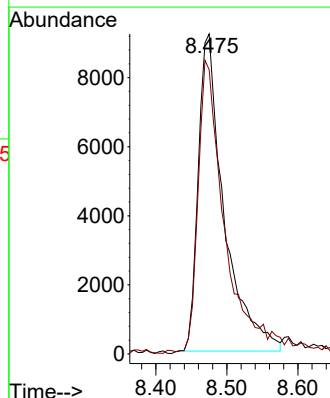
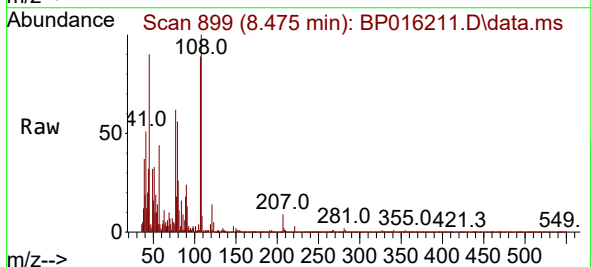
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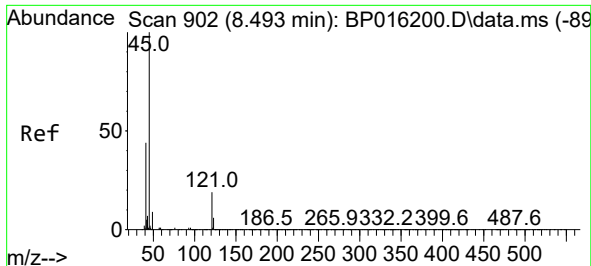
Tgt Ion:108 Resp: 23208

Ion Ratio Lower Upper

108 100

107 88.9 70.5 105.7

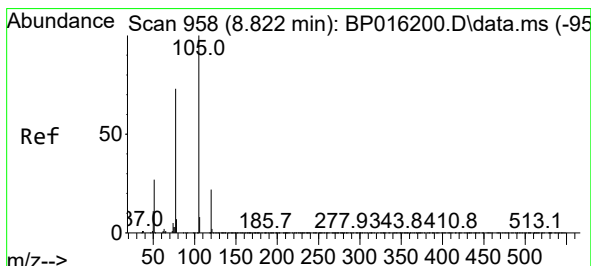
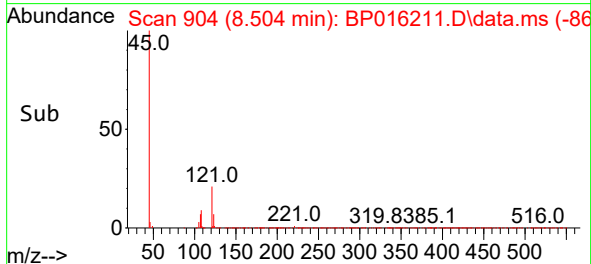
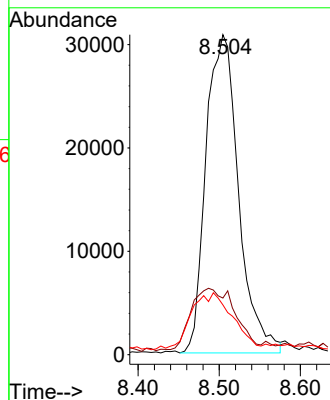
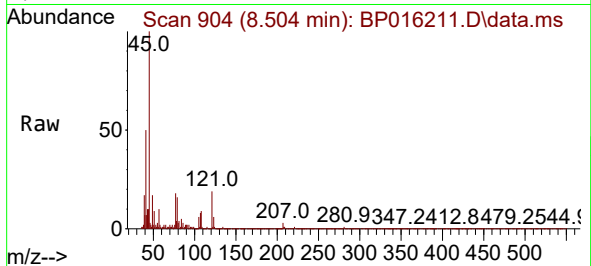




#14
2,2'-oxybis(1-Chloropropane)
Concen: 5.078 ng/ul
RT: 8.504 min Scan# 904
Delta R.T. 0.012 min
Lab File: BP016211.D
Acq: 13 Jul 2023 16:47

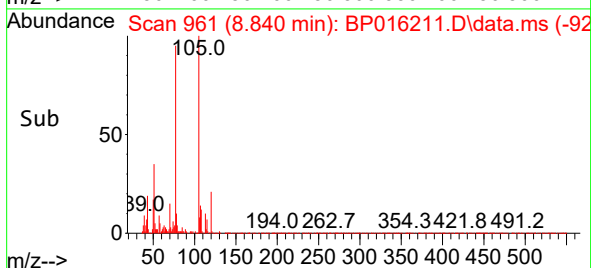
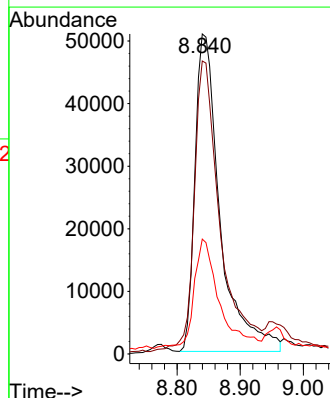
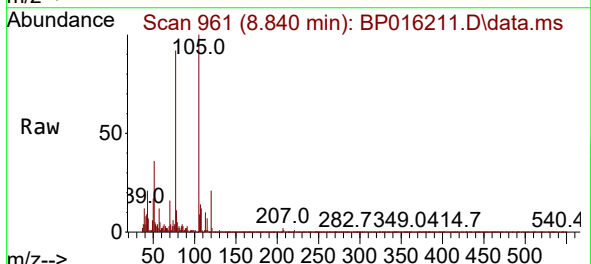
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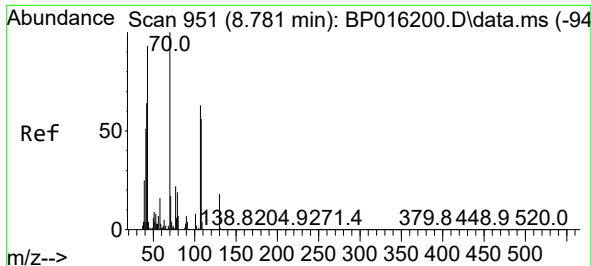
Tgt Ion: 45 Resp: 86051
Ion Ratio Lower Upper
45 100
77 17.7 12.5 18.7
79 15.6 8.7 13.1#



#16
Acetophenone
Concen: 8.824 ng/ul
RT: 8.840 min Scan# 961
Delta R.T. 0.018 min
Lab File: BP016211.D
Acq: 13 Jul 2023 16:47

Tgt Ion: 105 Resp: 140387
Ion Ratio Lower Upper
105 100
77 91.5 70.2 105.2
51 35.9 26.3 39.5

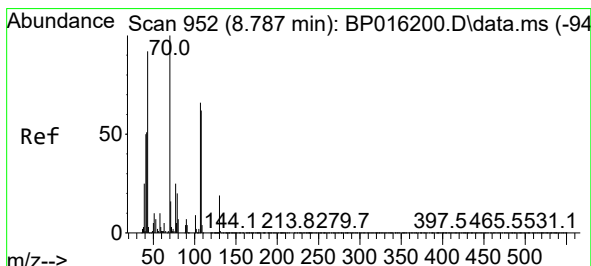
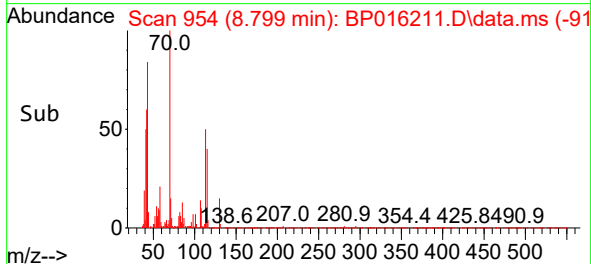
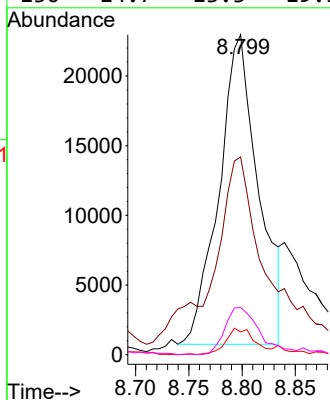
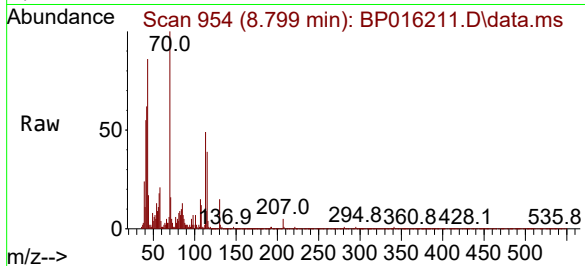




#17
N-Nitroso-di-n-propylamine
Concen: 6.724 ng/ul
RT: 8.799 min Scan# 91
Delta R.T. 0.018 min
Lab File: BP016211.D
Acq: 13 Jul 2023 16:47

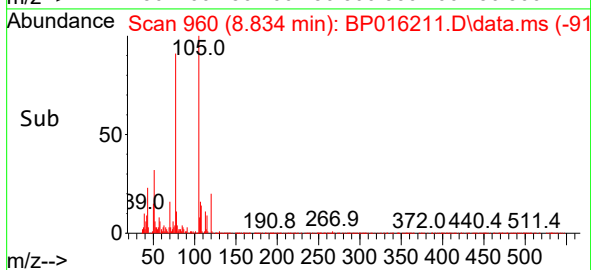
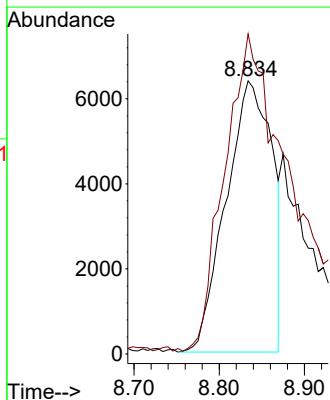
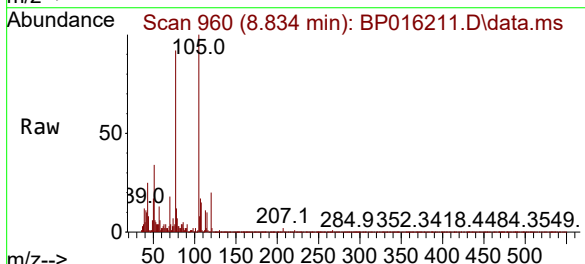
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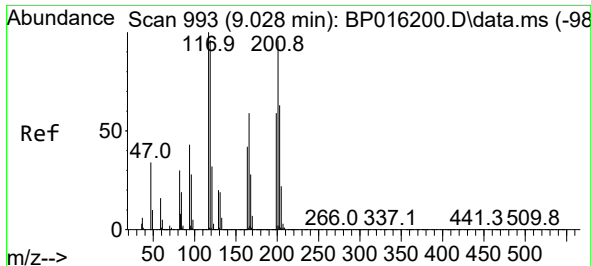
Tgt Ion: 70 Resp: 57350
Ion Ratio Lower Upper
70 100
42 61.8 50.8 76.2
101 7.1 7.0 10.6
130 14.7 13.3 19.9



#18
4-Methylphenol
Concen: 2.259 ng/ul
RT: 8.834 min Scan# 960
Delta R.T. 0.047 min
Lab File: BP016211.D
Acq: 13 Jul 2023 16:47

Tgt Ion: 108 Resp: 23869
Ion Ratio Lower Upper
108 100
107 117.2 89.3 133.9

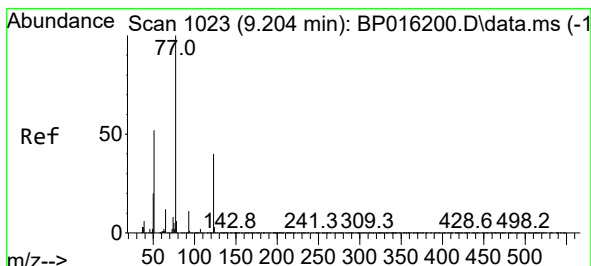
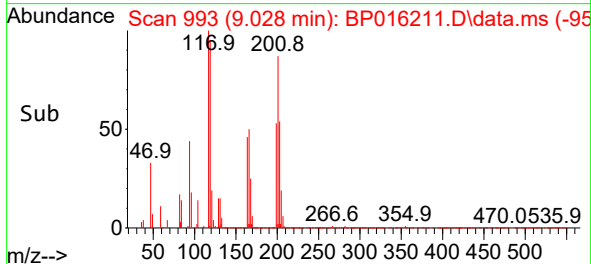
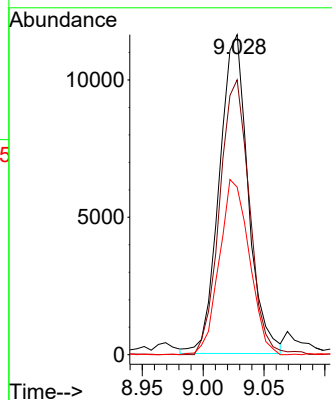
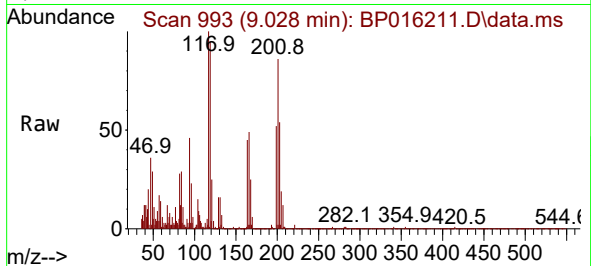




#19
Hexachloroethane
Concen: 4.680 ng/ul
RT: 9.028 min Scan# 993
Delta R.T. 0.000 min
Lab File: BP016211.D
Acq: 13 Jul 2023 16:47

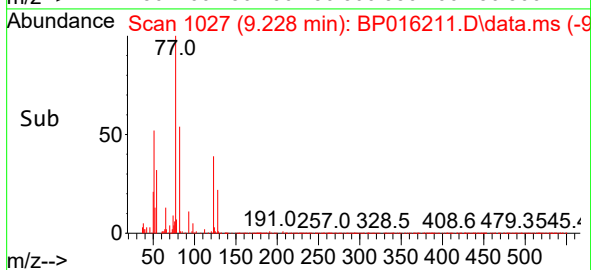
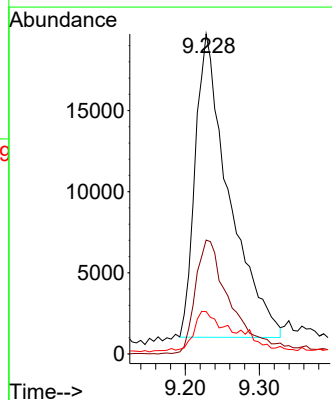
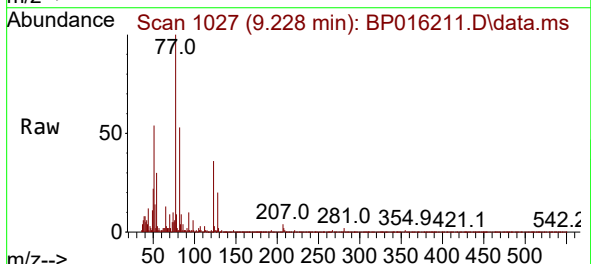
Instrument :
BNA_P
ClientSampleId :
A4634MS

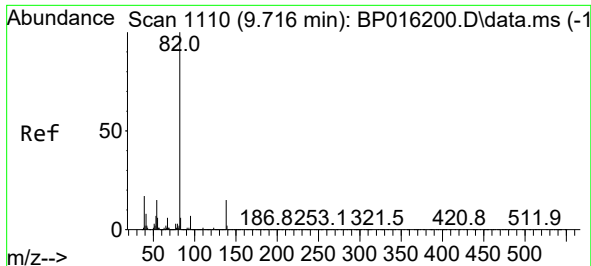
Tgt Ion:117 Resp: 19140
Ion Ratio Lower Upper
117 100
201 85.9 76.5 114.7
199 54.0 47.9 71.9



#22
Nitrobenzene
Concen: 4.649 ng/ul
RT: 9.228 min Scan# 1027
Delta R.T. 0.024 min
Lab File: BP016211.D
Acq: 13 Jul 2023 16:47

Tgt Ion: 77 Resp: 58913
Ion Ratio Lower Upper
77 100
123 35.6 31.8 47.8
65 13.2 10.4 15.6

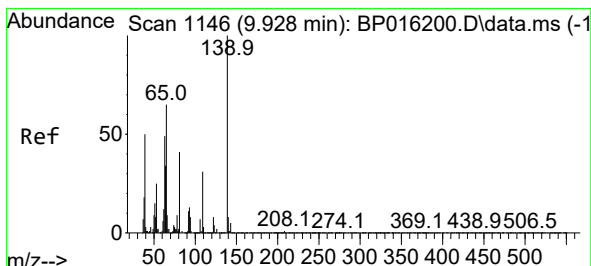
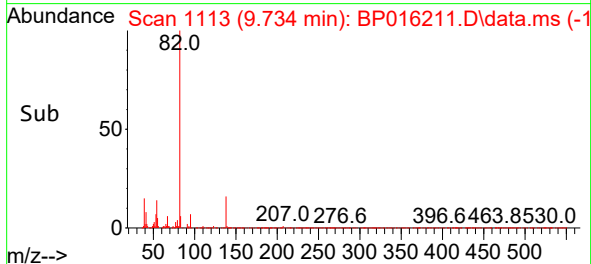
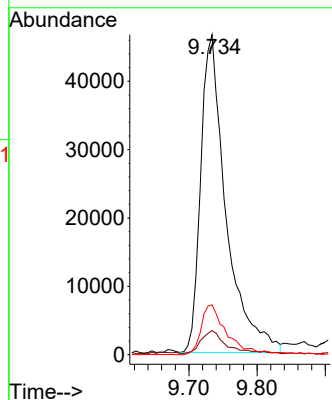
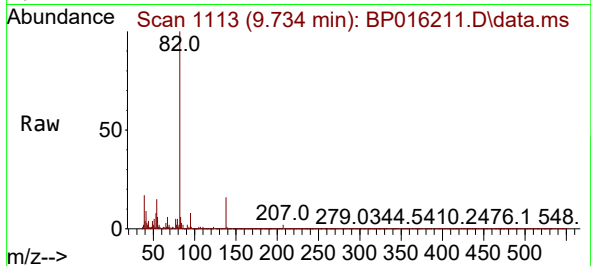




#23
Isophorone
Concen: 4.776 ng/ul
RT: 9.734 min Scan# 1110
Delta R.T. 0.018 min
Lab File: BP016211.D
Acq: 13 Jul 2023 16:47

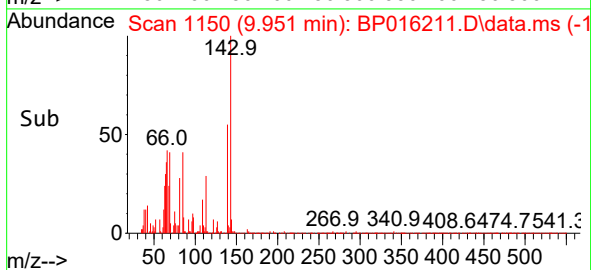
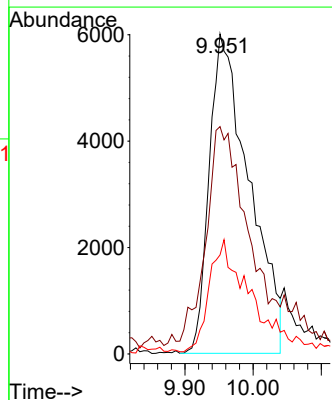
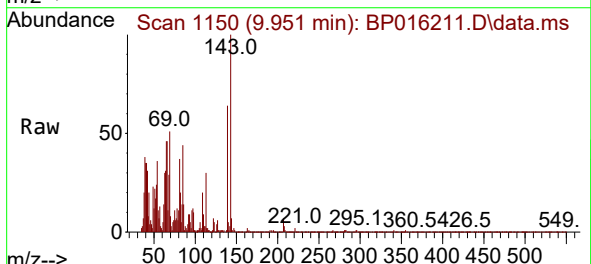
Instrument :
BNA_P
ClientSampleId :
A4634MS

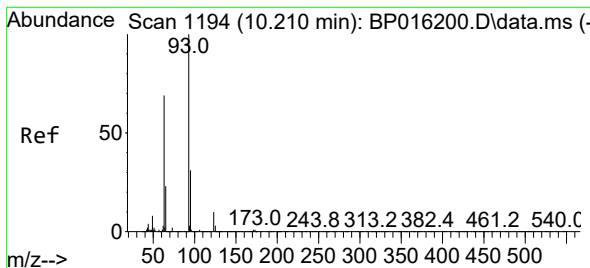
Tgt Ion: 82 Resp: 119984
Ion Ratio Lower Upper
82 100
95 7.6 5.4 8.2
138 15.6 12.3 18.5



#25
2-Nitrophenol
Concen: 4.566 ng/ul
RT: 9.951 min Scan# 1150
Delta R.T. 0.024 min
Lab File: BP016211.D
Acq: 13 Jul 2023 16:47

Tgt Ion: 139 Resp: 24390
Ion Ratio Lower Upper
139 100
65 71.1 50.0 75.0
109 31.0 28.2 42.2

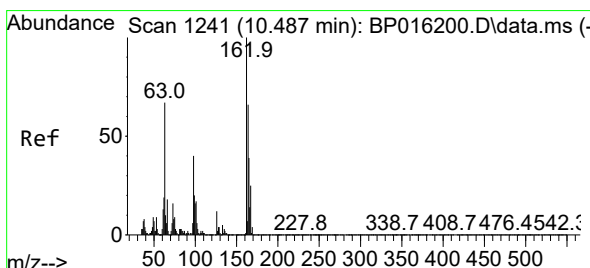
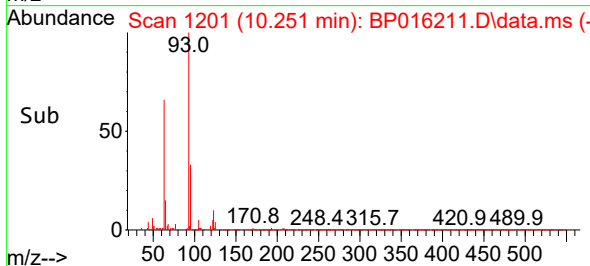
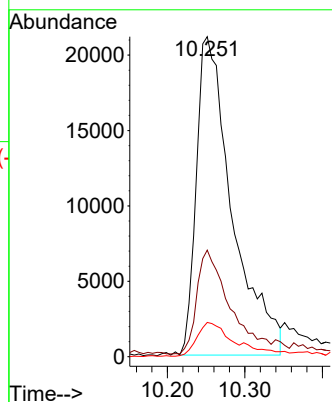
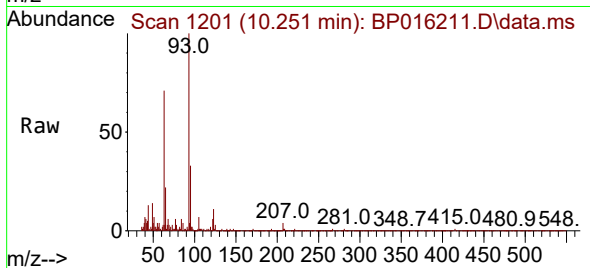




#27
Bis(2-Chloroethoxy)methane
Concen: 4.636 ng/ul
RT: 10.251 min Scan# 1194
Delta R.T. 0.041 min
Lab File: BP016211.D
Acq: 13 Jul 2023 16:47

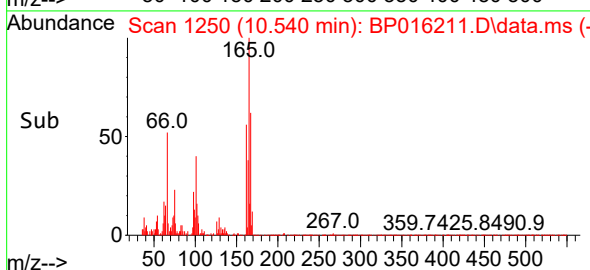
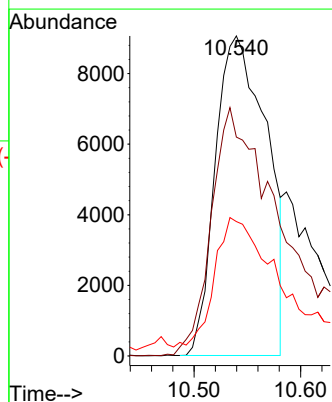
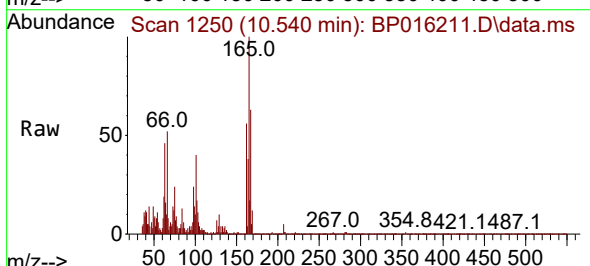
Instrument :
BNA_P
ClientSampleId :
A4634MS

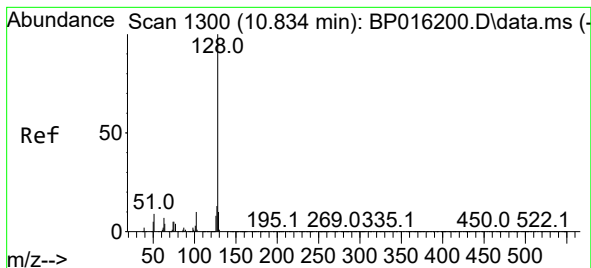
Tgt Ion: 93 Resp: 67810
Ion Ratio Lower Upper
93 100
95 33.3 25.9 38.9
123 10.7 8.6 13.0



#29
2,4-Dichlorophenol
Concen: 3.432 ng/ul
RT: 10.540 min Scan# 1250
Delta R.T. 0.053 min
Lab File: BP016211.D
Acq: 13 Jul 2023 16:47

Tgt Ion: 162 Resp: 30377
Ion Ratio Lower Upper
162 100
164 68.4 54.3 81.5
98 42.0 31.8 47.8





#30

Naphthalene

Concen: 5.643 ng/ul

RT: 10.845 min Scan# 11

Delta R.T. 0.012 min

Lab File: BP016211.D

Acq: 13 Jul 2023 16:47

Instrument :

BNA_P

ClientSampleId :

A4634MS

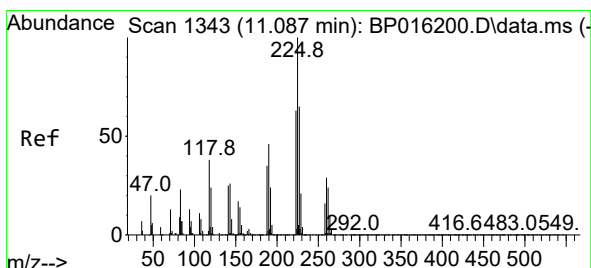
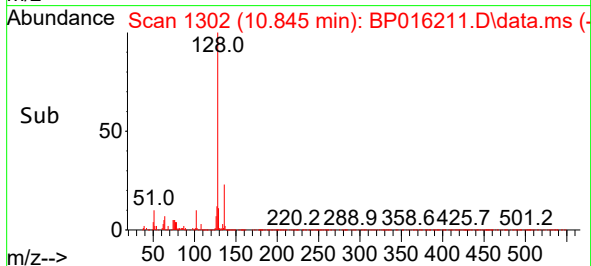
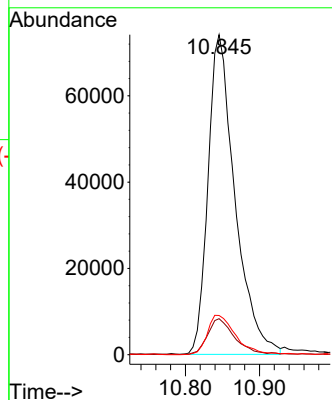
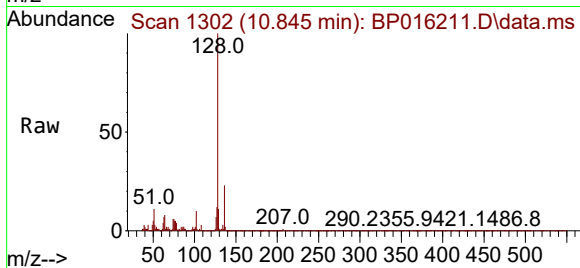
Tgt Ion:128 Resp: 187249

Ion Ratio Lower Upper

128 100

129 11.3 8.9 13.3

127 12.2 10.9 16.3



#33

Hexachlorobutadiene

Concen: 5.246 ng/ul

RT: 11.093 min Scan# 1344

Delta R.T. 0.006 min

Lab File: BP016211.D

Acq: 13 Jul 2023 16:47

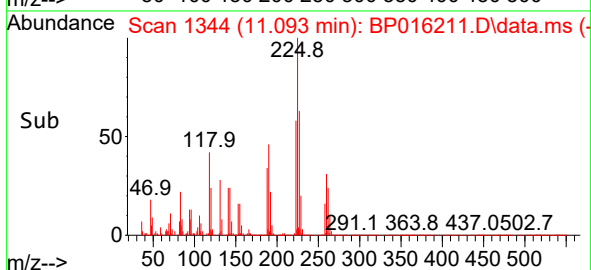
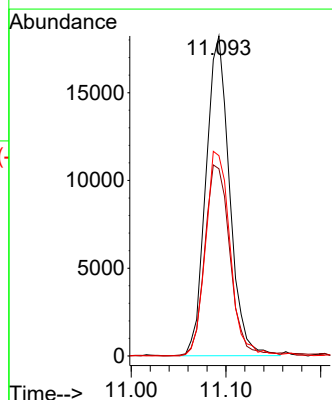
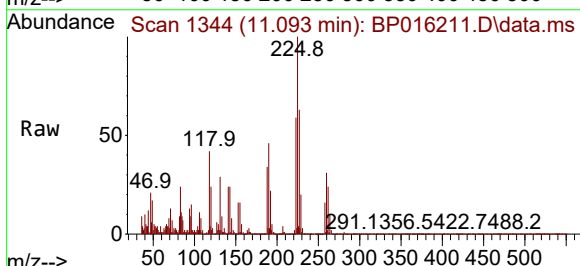
Tgt Ion:225 Resp: 31540

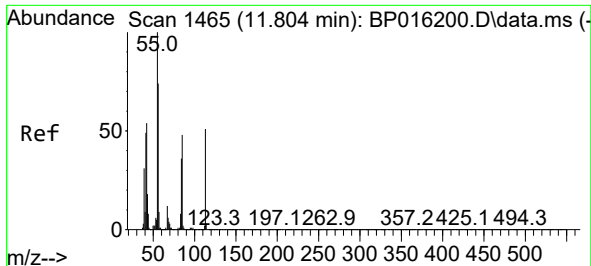
Ion Ratio Lower Upper

225 100

223 58.5 49.8 74.6

227 65.2 51.7 77.5

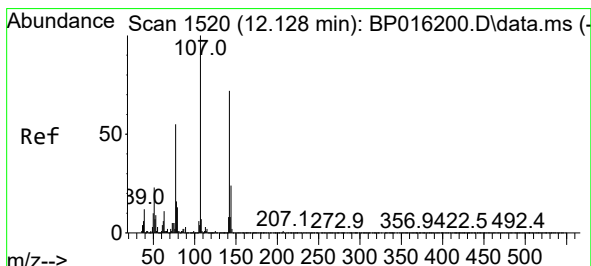
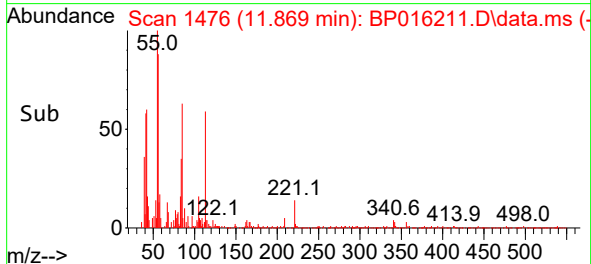
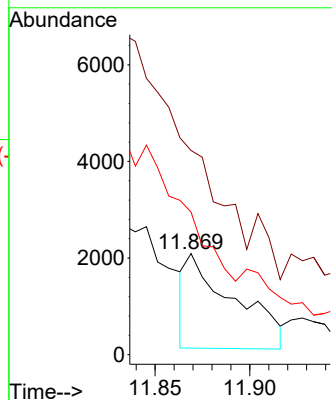
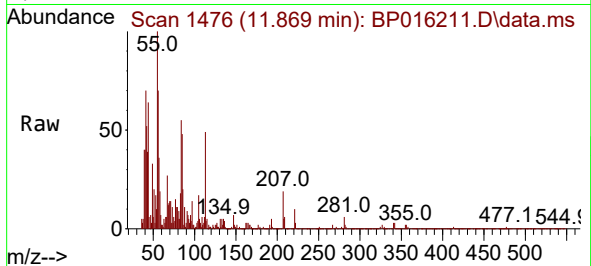




#34
Caprolactam
Concen: 1.070 ng/ul
RT: 11.869 min Scan# 1465
Delta R.T. 0.065 min
Lab File: BP016211.D
Acq: 13 Jul 2023 16:47

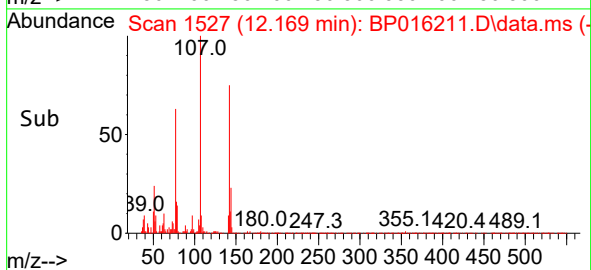
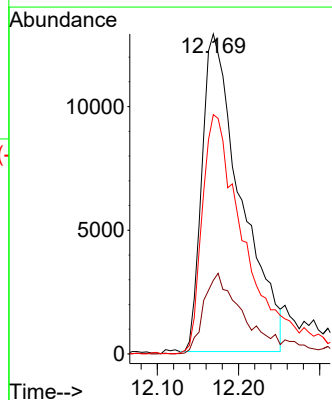
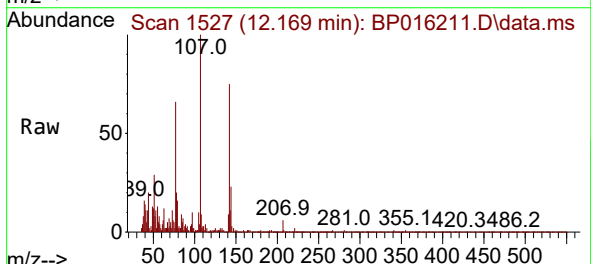
Instrument :
BNA_P
ClientSampleId :
A4634MS

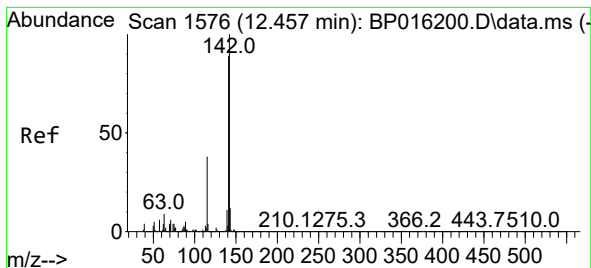
Tgt Ion:113 Resp: 3428
Ion Ratio Lower Upper
113 100
55 202.1 147.8 221.8
56 141.1 103.8 155.6



#35
4-Chloro-3-methylphenol
Concen: 3.912 ng/ul
RT: 12.169 min Scan# 1527
Delta R.T. 0.041 min
Lab File: BP016211.D
Acq: 13 Jul 2023 16:47

Tgt Ion:107 Resp: 42730
Ion Ratio Lower Upper
107 100
144 23.0 20.3 30.5
142 74.8 60.8 91.2

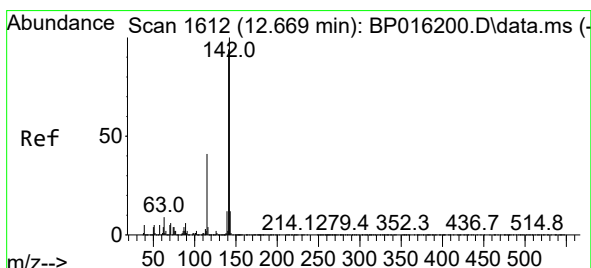
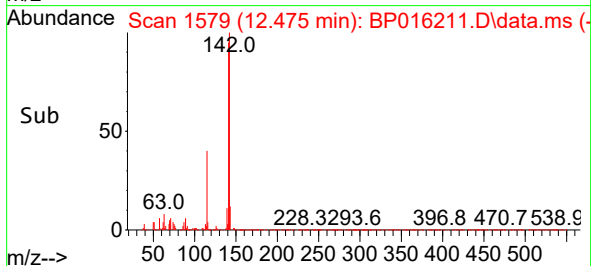
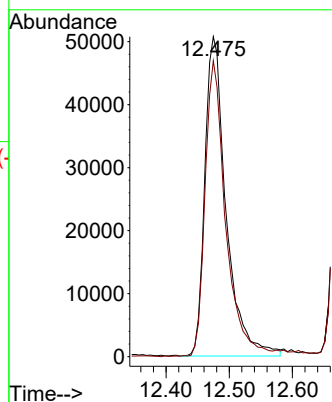
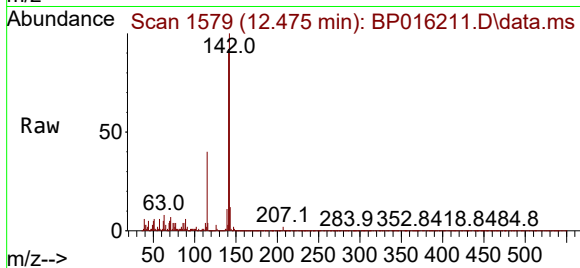




#36
2-Methylnaphthalene
Concen: 5.347 ng/ul
RT: 12.475 min Scan# 11
Delta R.T. 0.018 min
Lab File: BP016211.D
Acq: 13 Jul 2023 16:47

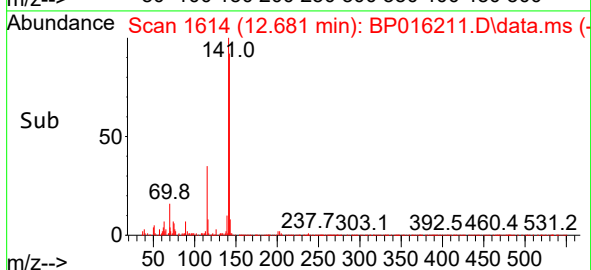
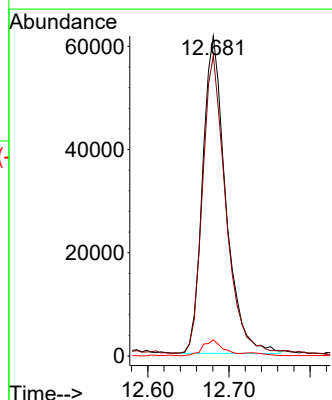
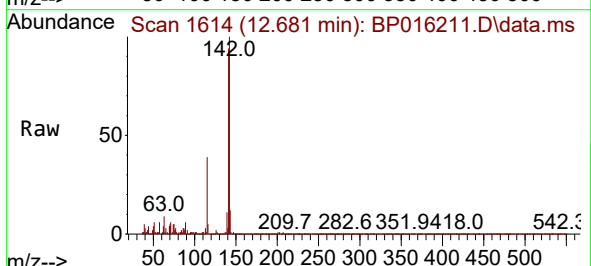
Instrument :
BNA_P
ClientSampleId :
A4634MS

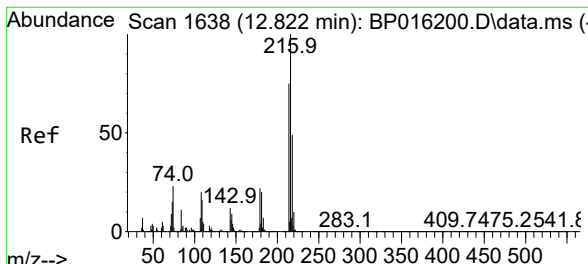
Tgt Ion:142 Resp: 118956
Ion Ratio Lower Upper
142 100
141 92.5 71.9 107.9



#37
1-Methylnaphthalene
Concen: 5.320 ng/ul
RT: 12.681 min Scan# 1614
Delta R.T. 0.012 min
Lab File: BP016211.D
Acq: 13 Jul 2023 16:47

Tgt Ion:142 Resp: 121722
Ion Ratio Lower Upper
142 100
141 93.9 73.9 110.9
116 5.0 3.4 5.2

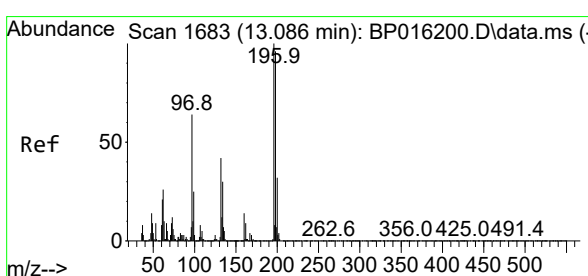
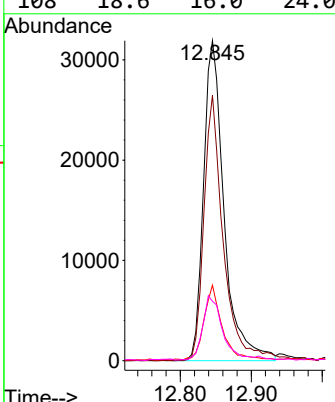
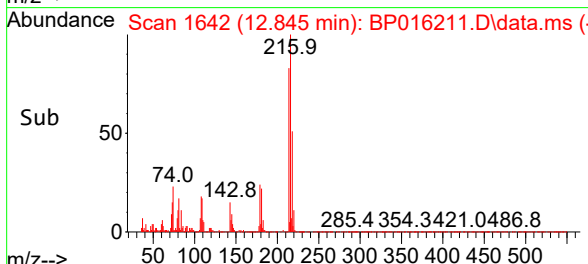
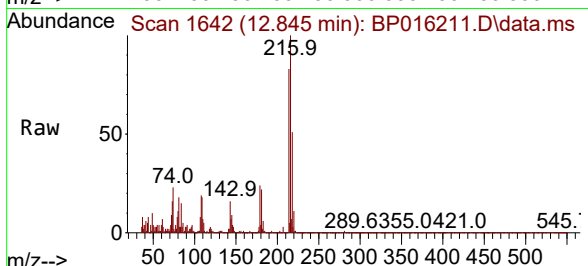




#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 5.225 ng/ul
 RT: 12.845 min Scan# 1642
 Delta R.T. 0.024 min
 Lab File: BP016211.D
 Acq: 13 Jul 2023 16:47

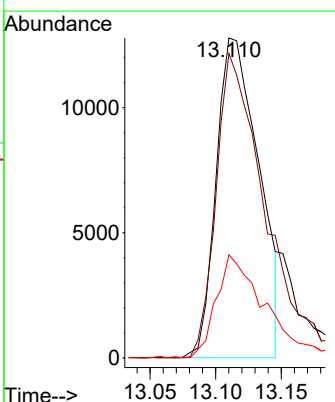
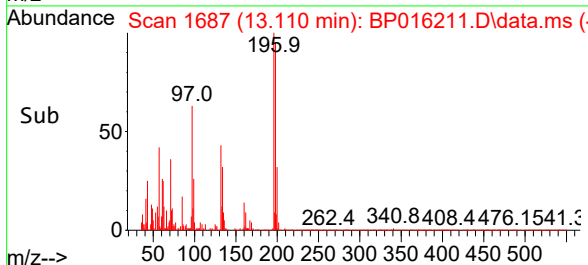
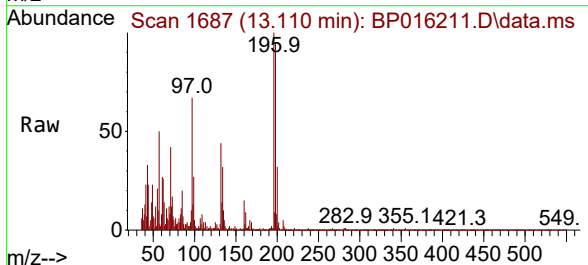
Instrument :
 BNA_P
 ClientSampleId :
 A4634MS

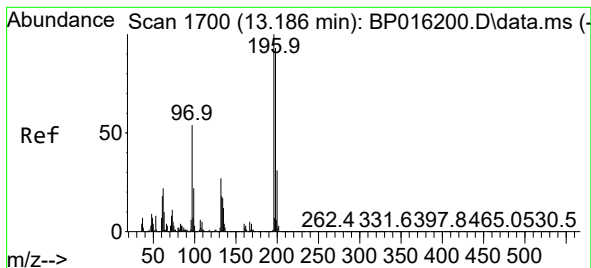
Tgt Ion:	216	Resp:	64009
Ion Ratio	Lower	Upper	
216	100		
214	82.9	62.9	94.3
179	23.6	17.8	26.6
108	18.6	16.0	24.0



#41
 2,4,6-Trichlorophenol
 Concen: 3.732 ng/ul
 RT: 13.110 min Scan# 1687
 Delta R.T. 0.024 min
 Lab File: BP016211.D
 Acq: 13 Jul 2023 16:47

Tgt Ion:	196	Resp:	28886
Ion Ratio	Lower	Upper	
196	100		
198	95.1	79.2	118.8
200	32.3	24.2	36.4





#42

2,4,5-Trichlorophenol

Concen: 4.220 ng/ul

RT: 13.228 min Scan# 1

Delta R.T. 0.041 min

Lab File: BP016211.D

Acq: 13 Jul 2023 16:47

Instrument :

BNA_P

ClientSampleId :

A4634MS

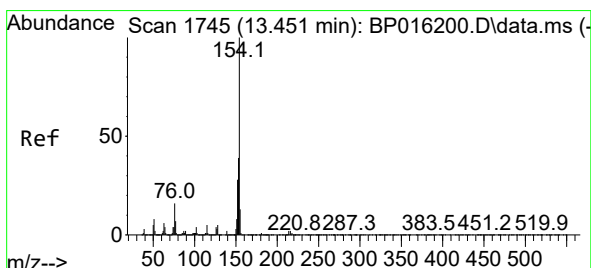
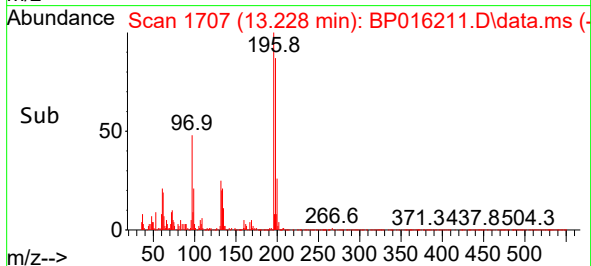
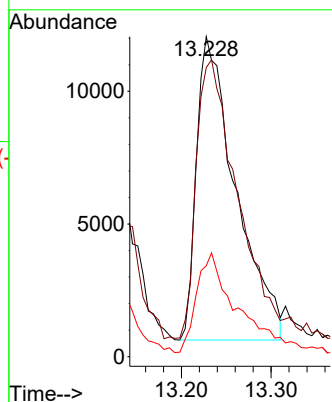
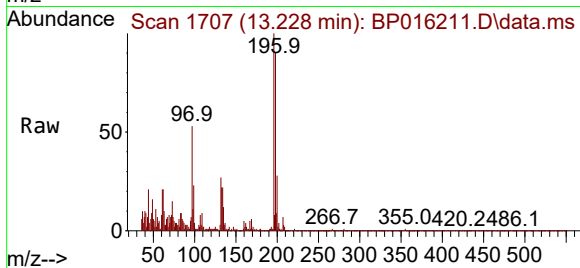
Tgt Ion:196 Resp: 34725

Ion Ratio Lower Upper

196 100

198 90.3 77.4 116.2

200 28.5 25.3 37.9



#43

1,1'-Biphenyl

Concen: 5.310 ng/ul

RT: 13.463 min Scan# 1747

Delta R.T. 0.012 min

Lab File: BP016211.D

Acq: 13 Jul 2023 16:47

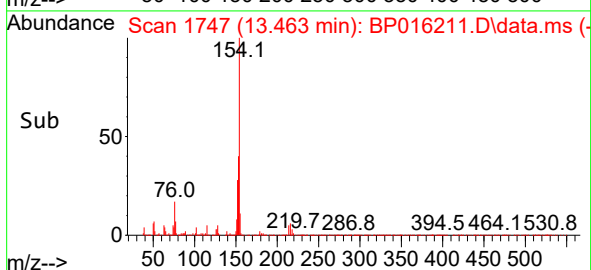
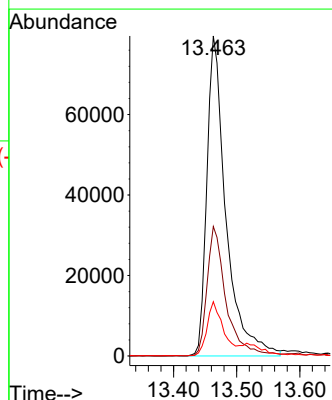
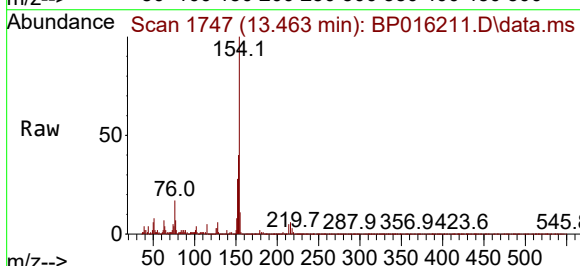
Tgt Ion:154 Resp: 166611

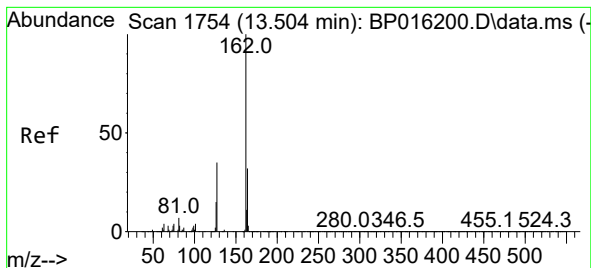
Ion Ratio Lower Upper

154 100

153 40.5 31.1 46.7

76 17.0 12.9 19.3





#44

2-Chloronaphthalene

Concen: 5.126 ng/ul

RT: 13.522 min Scan# 1

Delta R.T. 0.018 min

Lab File: BP016211.D

Acq: 13 Jul 2023 16:47

Instrument :

BNA_P

ClientSampleId :

A4634MS

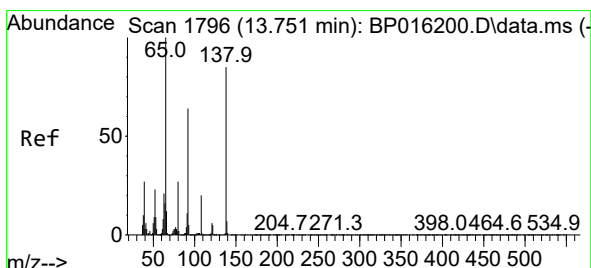
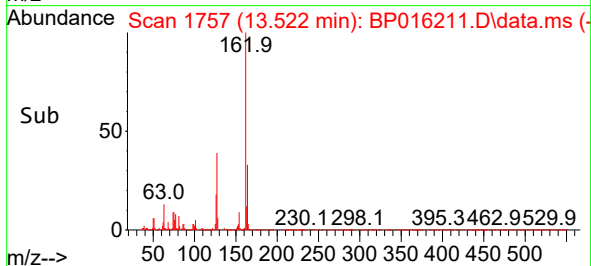
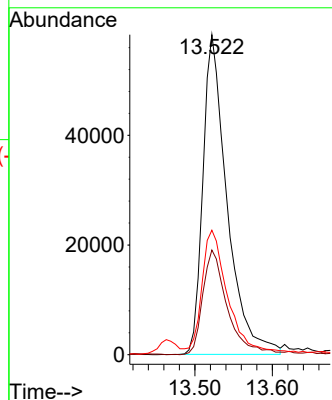
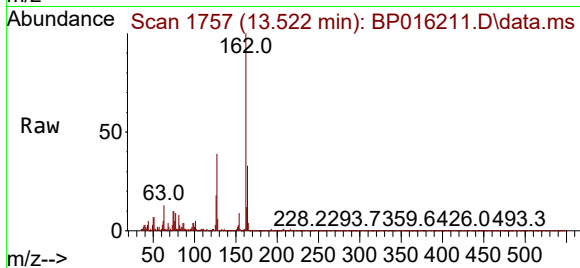
Tgt Ion:162 Resp: 126366

Ion Ratio Lower Upper

162 100

164 32.7 26.0 39.0

127 38.9 31.2 46.8



#45

2-Nitroaniline

Concen: 3.860 ng/ul

RT: 13.798 min Scan# 1804

Delta R.T. 0.047 min

Lab File: BP016211.D

Acq: 13 Jul 2023 16:47

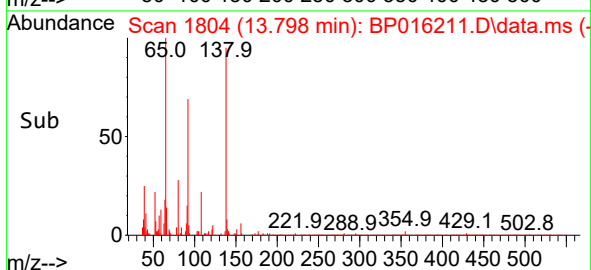
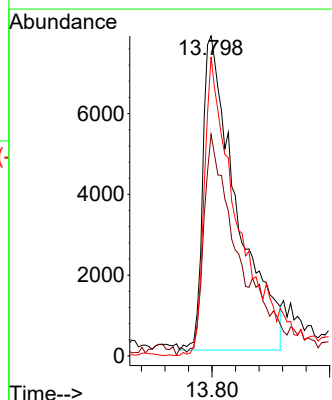
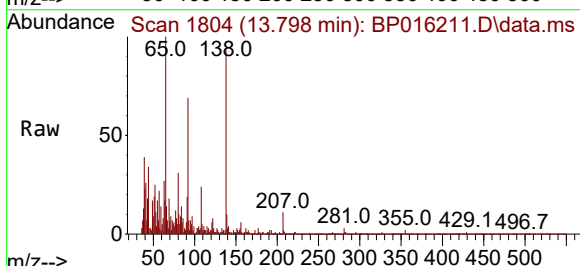
Tgt Ion: 65 Resp: 31008

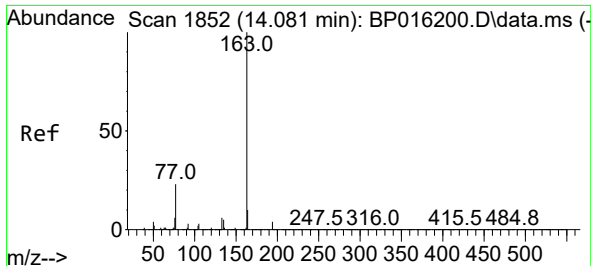
Ion Ratio Lower Upper

65 100

92 69.3 54.1 81.1

138 93.5 73.4 110.0

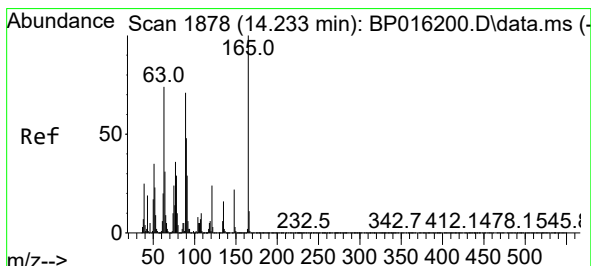
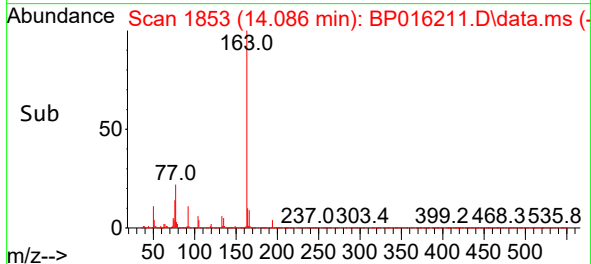
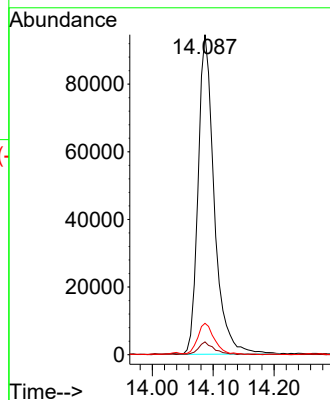
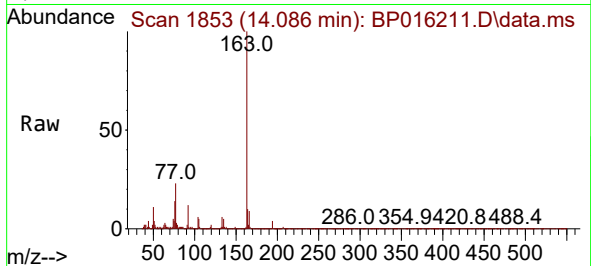




#47
Dimethylphthalate
Concen: 5.247 ng/ul
RT: 14.086 min Scan# 1852
Delta R.T. 0.006 min
Lab File: BP016211.D
Acq: 13 Jul 2023 16:47

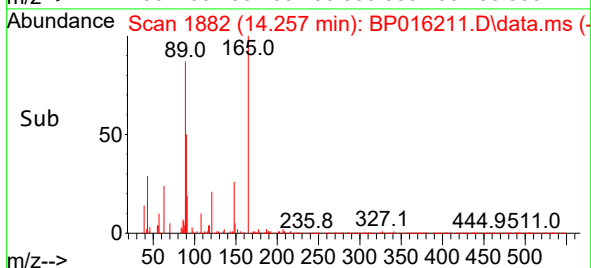
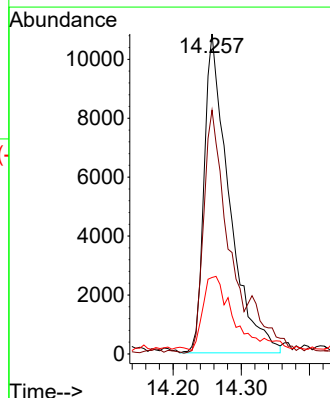
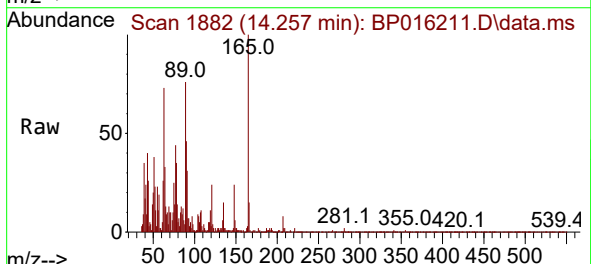
Instrument :
BNA_P
ClientSampleId :
A4634MS

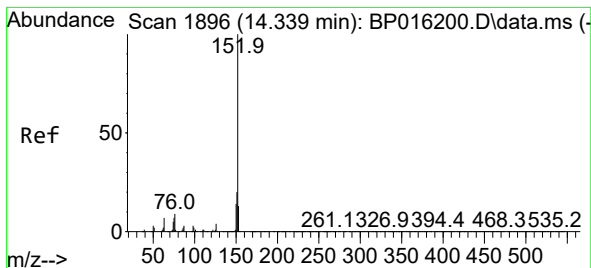
Tgt Ion:163 Resp: 173878
Ion Ratio Lower Upper
163 100
194 4.0 3.0 4.6
164 9.8 8.0 12.0



#48
2,6-Dinitrotoluene
Concen: 4.415 ng/ul
RT: 14.257 min Scan# 1882
Delta R.T. 0.024 min
Lab File: BP016211.D
Acq: 13 Jul 2023 16:47

Tgt Ion:165 Resp: 27584
Ion Ratio Lower Upper
165 100
89 76.2 54.8 82.2
121 23.9 19.4 29.0





#50

Acenaphthylene

Concen: 4.969 ng/ul

RT: 14.345 min Scan# 1896

Delta R.T. 0.006 min

Lab File: BP016211.D

Acq: 13 Jul 2023 16:47

Instrument :

BNA_P

ClientSampleId :

A4634MS

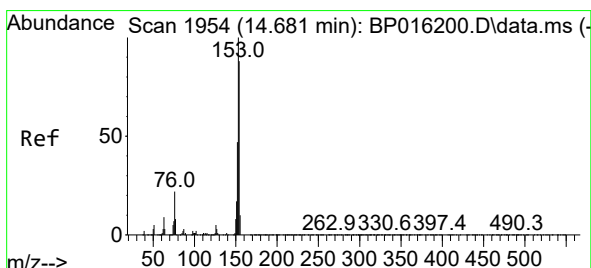
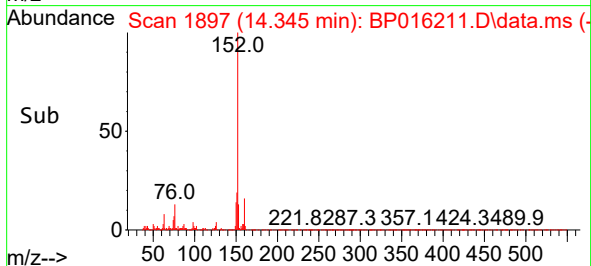
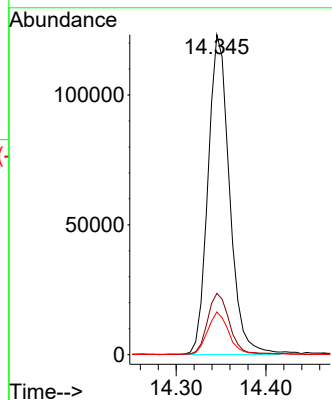
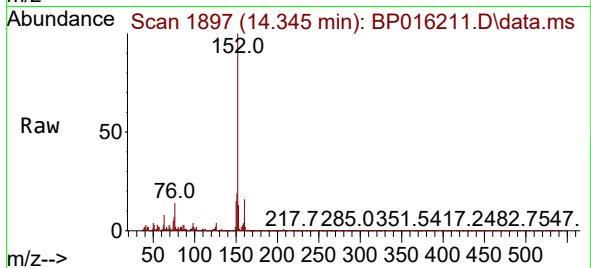
Tgt Ion:152 Resp: 205224

Ion Ratio Lower Upper

152 100

151 19.1 15.8 23.8

153 13.3 10.2 15.4



#52

Acenaphthene

Concen: 5.400 ng/ul

RT: 14.686 min Scan# 1955

Delta R.T. 0.006 min

Lab File: BP016211.D

Acq: 13 Jul 2023 16:47

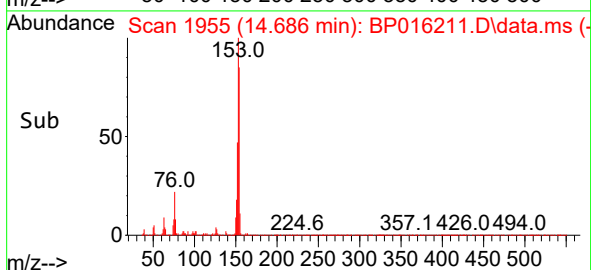
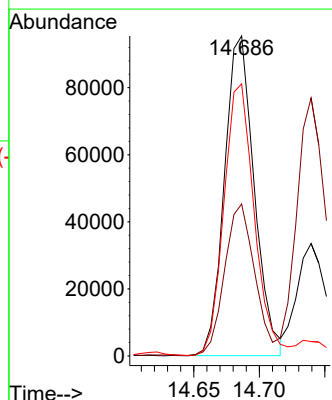
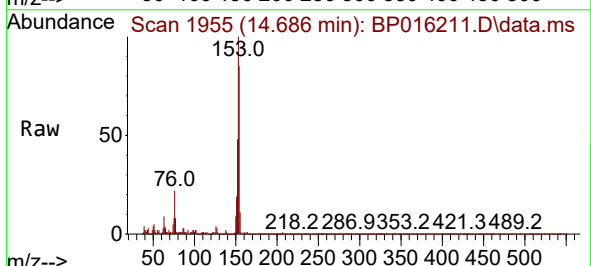
Tgt Ion:153 Resp: 150837

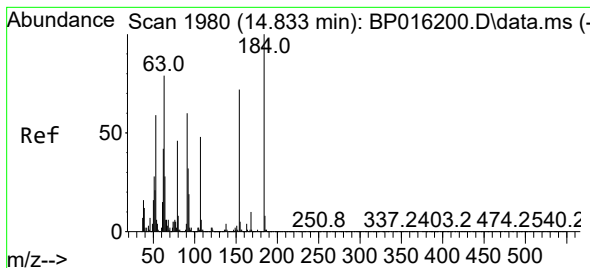
Ion Ratio Lower Upper

153 100

152 47.5 37.9 56.9

154 85.0 69.3 103.9





#53

2,4-Dinitrophenol

Concen: 1.299 ng/ul

RT: 14.916 min Scan# 1980

Delta R.T. 0.082 min

Lab File: BP016211.D

Acq: 13 Jul 2023 16:47

Instrument :

BNA_P

ClientSampleId :

A4634MS

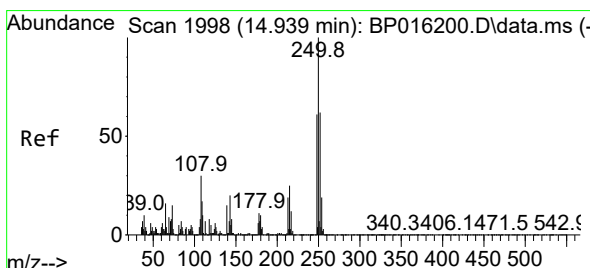
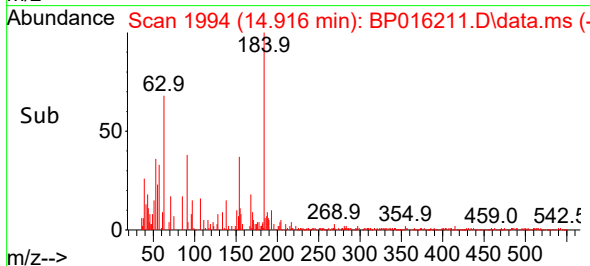
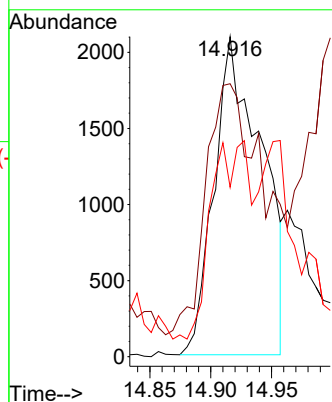
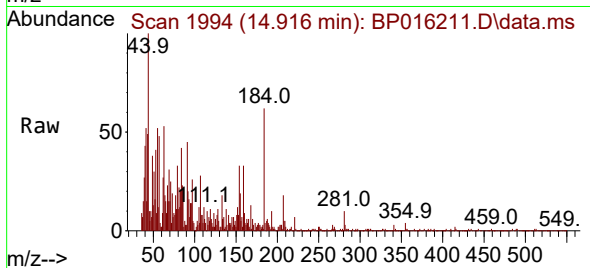
Tgt Ion:184 Resp: 5678

Ion Ratio Lower Upper

184 100

63 85.3 67.0 100.6

154 53.0 51.5 77.3



#55

4-Nitrophenol

Concen: 1.482 ng/ul

RT: 14.951 min Scan# 2000

Delta R.T. 0.012 min

Lab File: BP016211.D

Acq: 13 Jul 2023 16:47

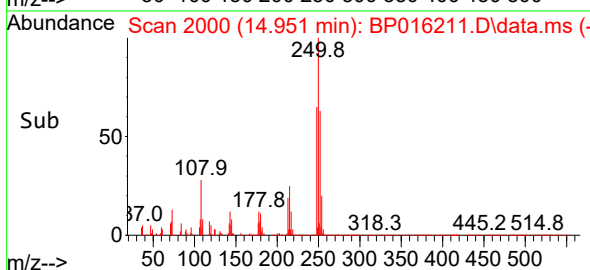
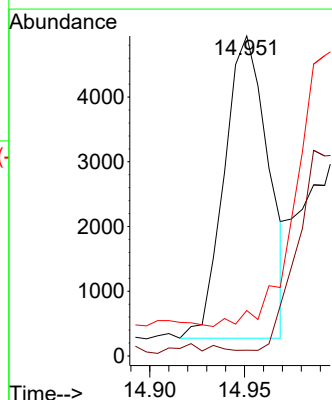
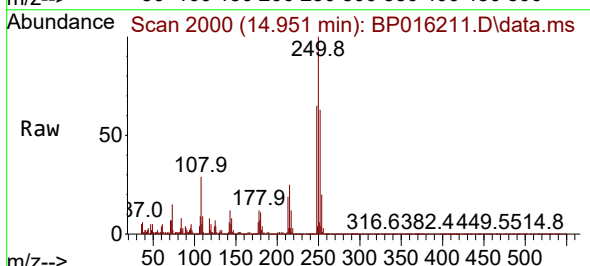
Tgt Ion:109 Resp: 7554

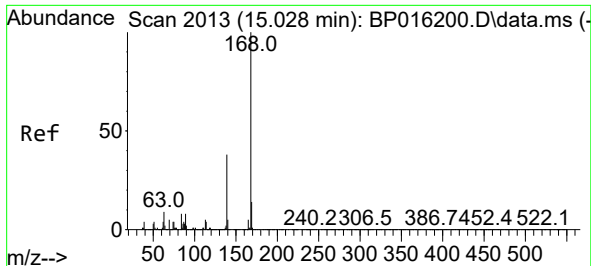
Ion Ratio Lower Upper

109 100

139 1.8 76.8 115.2#

65 14.2 92.2 138.4#

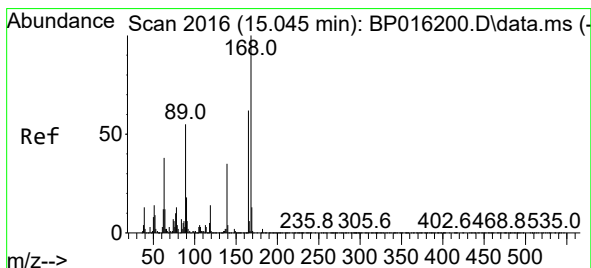
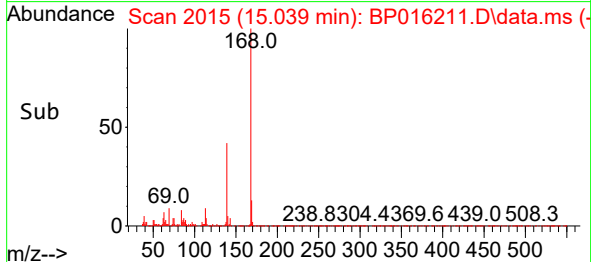
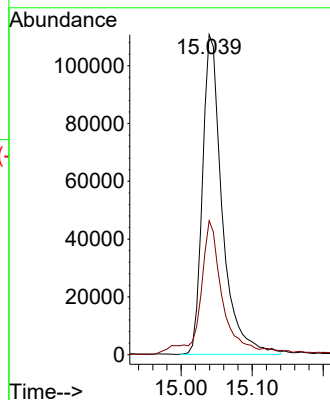
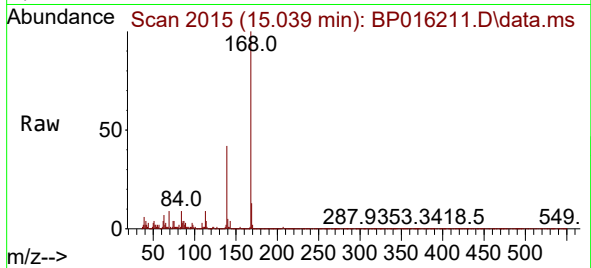




#56
Dibenzofuran
Concen: 5.600 ng/ul
RT: 15.039 min Scan# 2023
Delta R.T. 0.012 min
Lab File: BP016211.D
Acq: 13 Jul 2023 16:47

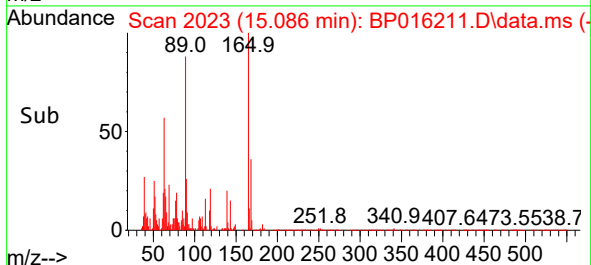
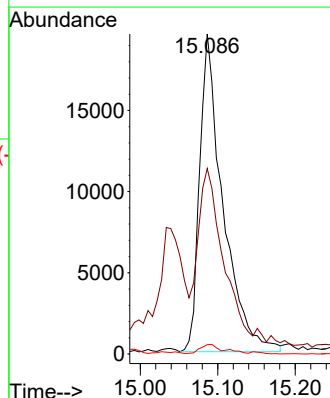
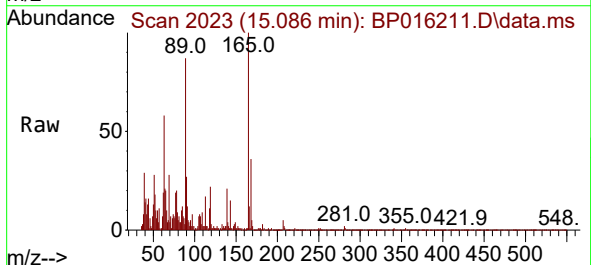
Instrument :
BNA_P
ClientSampleId :
A4634MS

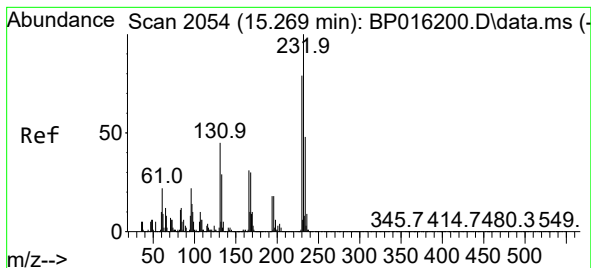
Tgt Ion:168 Resp: 213032
Ion Ratio Lower Upper
168 100
139 41.9 30.6 45.8



#57
2,4-Dinitrotoluene
Concen: 4.440 ng/ul
RT: 15.086 min Scan# 2023
Delta R.T. 0.041 min
Lab File: BP016211.D
Acq: 13 Jul 2023 16:47

Tgt Ion:165 Resp: 40916
Ion Ratio Lower Upper
165 100
63 57.9 56.9 85.3
182 2.9 2.0 3.0

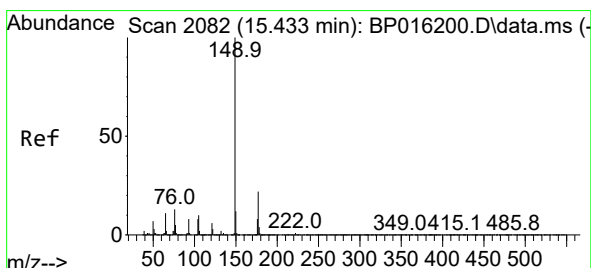
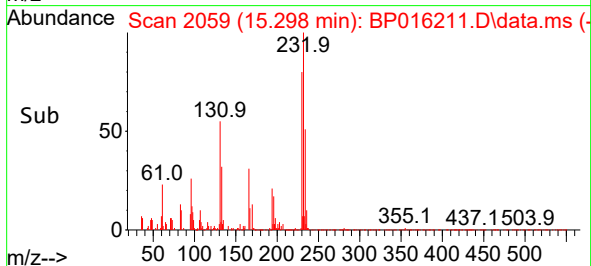
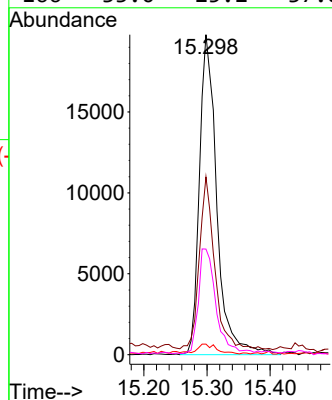
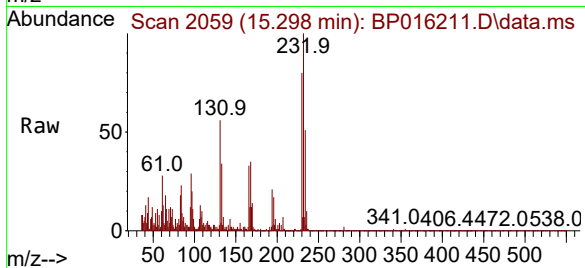




#58
2,3,4,6-Tetrachlorophenol
Concen: 5.052 ng/ul
RT: 15.298 min Scan# 2059
Delta R.T. 0.029 min
Lab File: BP016211.D
Acq: 13 Jul 2023 16:47

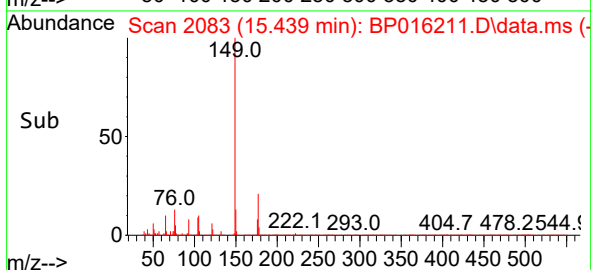
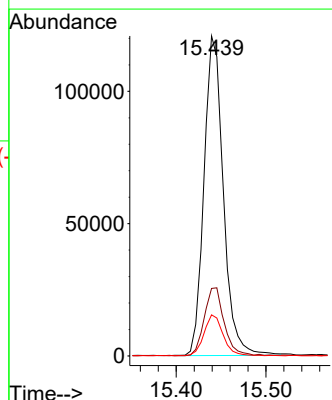
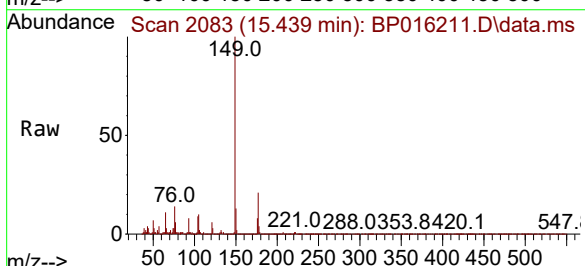
Instrument :
BNA_P
ClientSampleId :
A4634MS

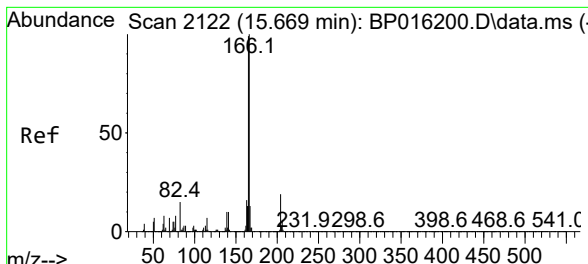
Tgt Ion:	232	Resp:	37726
Ion Ratio	Lower	Upper	
232	100		
131	55.5	38.6	57.8
130	3.3	2.2	3.4
166	33.0	25.2	37.8



#59
Diethylphthalate
Concen: 5.250 ng/ul
RT: 15.439 min Scan# 2083
Delta R.T. 0.006 min
Lab File: BP016211.D
Acq: 13 Jul 2023 16:47

Tgt Ion:	149	Resp:	180922
Ion Ratio	Lower	Upper	
149	100		
177	21.1	17.4	26.0
150	12.8	10.2	15.2

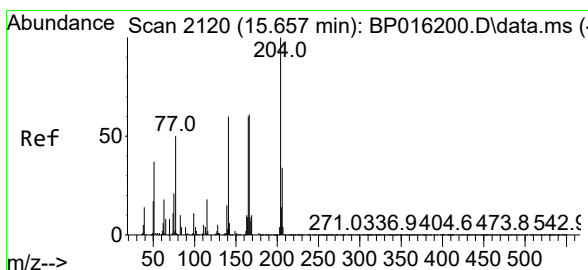
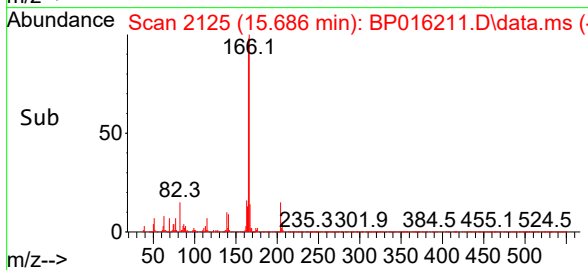
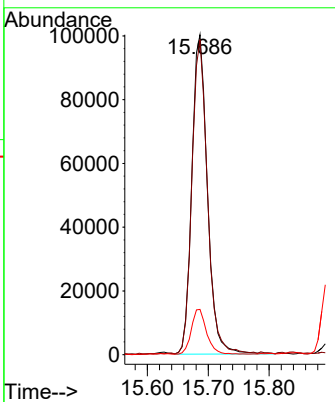
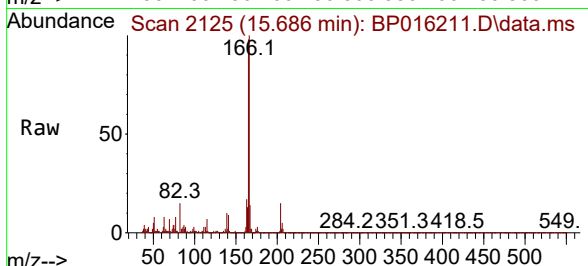




#61
 Fluorene
 Concen: 5.601 ng/ul
 RT: 15.686 min Scan# 2125
 Delta R.T. 0.018 min
 Lab File: BP016211.D
 Acq: 13 Jul 2023 16:47

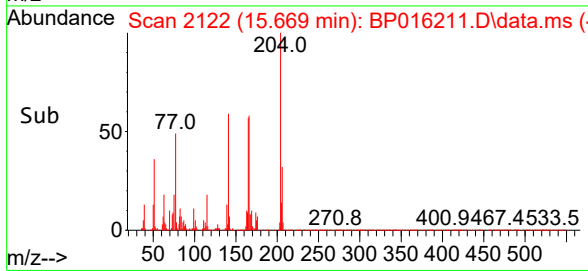
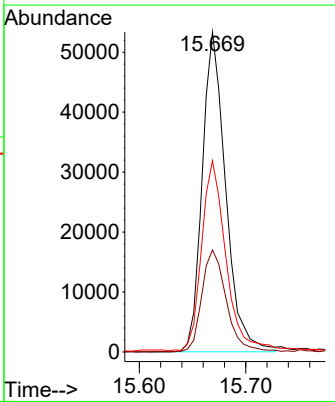
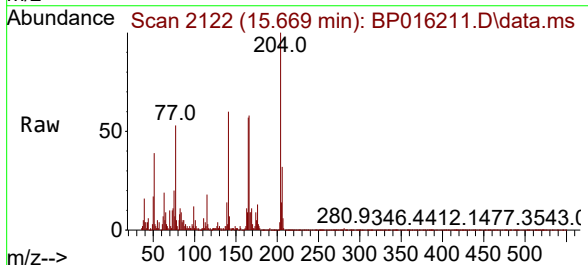
Instrument :
 BNA_P
 ClientSampleId :
 A4634MS

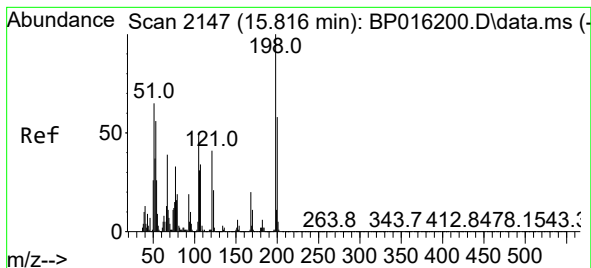
Tgt Ion:	166	Resp:	178001
Ion Ratio	Lower	Upper	
166	100		
165	98.5	78.6	117.8
167	14.2	11.0	16.4



#62
 4-Chlorophenyl-phenylether
 Concen: 5.309 ng/ul
 RT: 15.669 min Scan# 2122
 Delta R.T. 0.012 min
 Lab File: BP016211.D
 Acq: 13 Jul 2023 16:47

Tgt Ion:	204	Resp:	81605
Ion Ratio	Lower	Upper	
204	100		
206	31.9	25.4	38.2
141	59.8	48.2	72.2

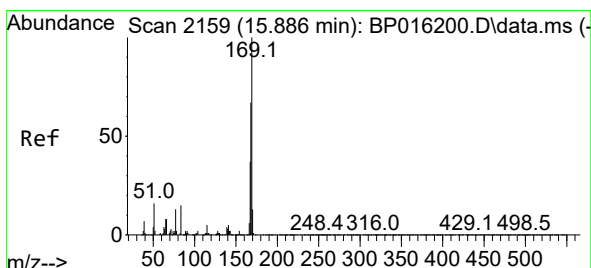
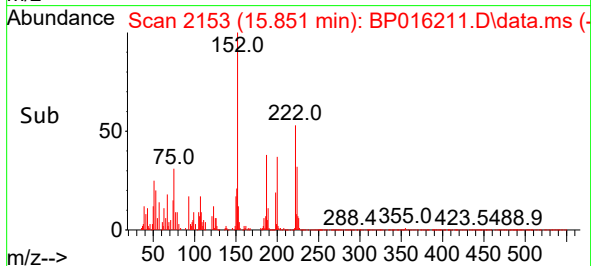
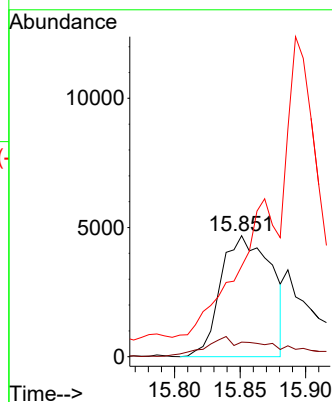
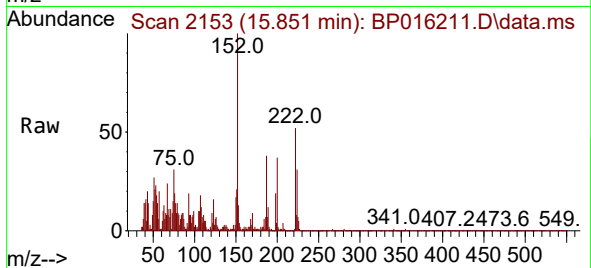




#66
4,6-Dinitro-2-methylphenol
Concen: 2.043 ng/ul
RT: 15.851 min Scan# 2153
Delta R.T. 0.035 min
Lab File: BP016211.D
Acq: 13 Jul 2023 16:47

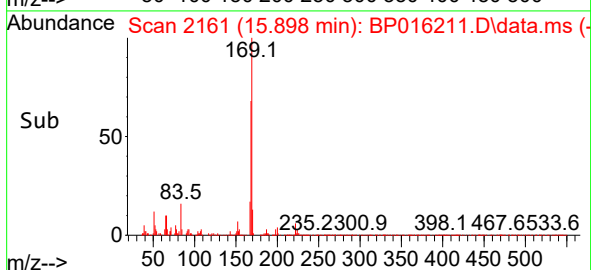
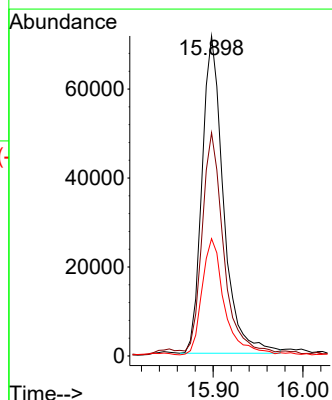
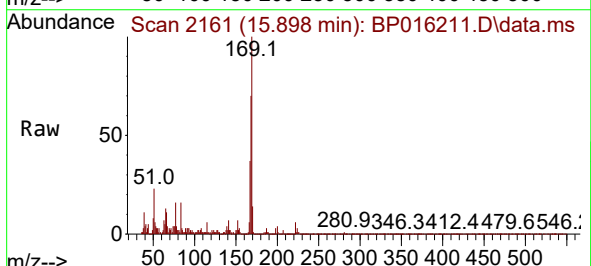
Instrument :
BNA_P
ClientSampleId :
A4634MS

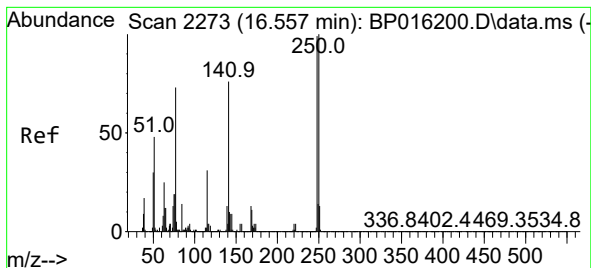
Tgt Ion:198 Resp: 12523
Ion Ratio Lower Upper
198 100
182 12.0 4.3 6.5#
77 74.9 26.3 39.5#



#67
N-Nitrosodiphenylamine
Concen: 4.411 ng/ul
RT: 15.898 min Scan# 2161
Delta R.T. 0.012 min
Lab File: BP016211.D
Acq: 13 Jul 2023 16:47

Tgt Ion:169 Resp: 118765
Ion Ratio Lower Upper
169 100
168 69.7 54.2 81.4
167 36.6 30.2 45.4

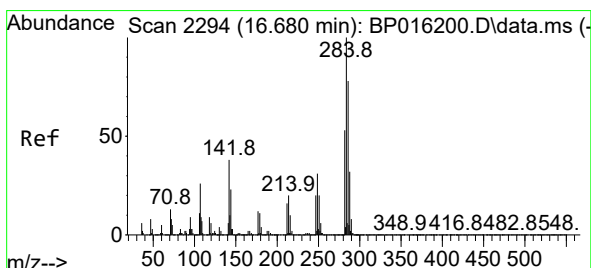
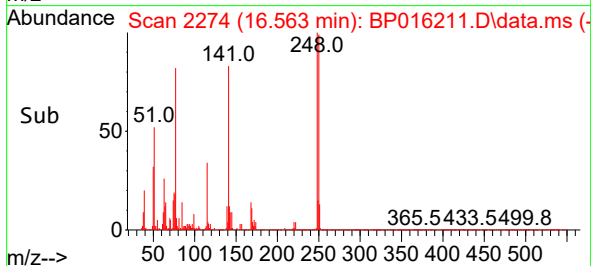
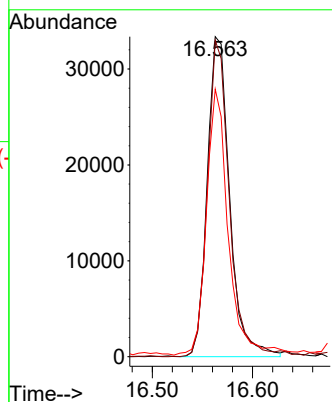
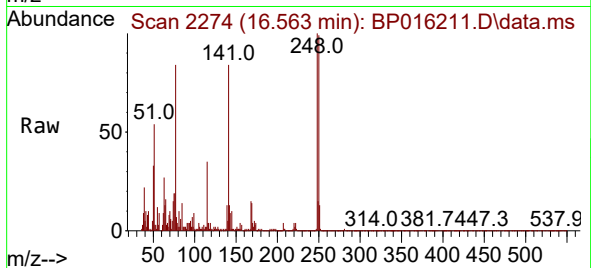




#68
4-Bromophenyl-phenylether
Concen: 5.387 ng/ul
RT: 16.563 min Scan# 211
Delta R.T. 0.006 min
Lab File: BP016211.D
Acq: 13 Jul 2023 16:47

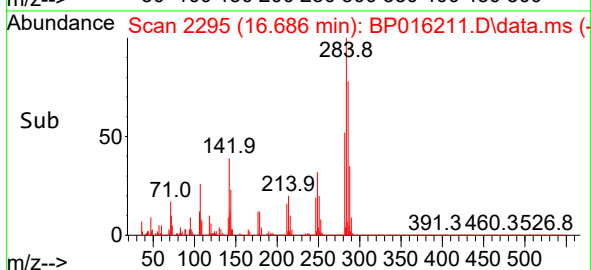
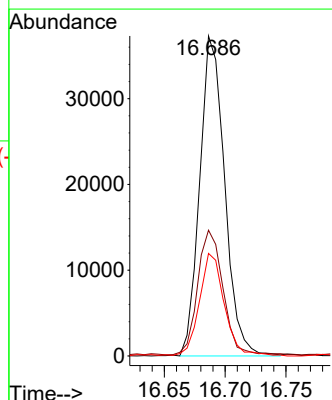
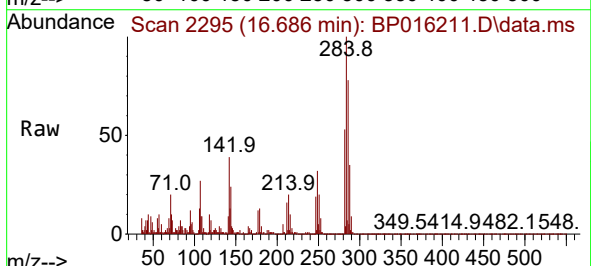
Instrument :
BNA_P
ClientSampleId :
A4634MS

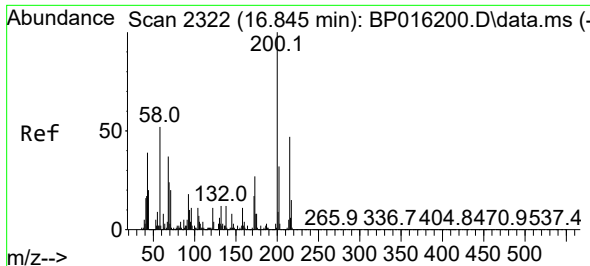
Tgt Ion:248 Resp: 52008
Ion Ratio Lower Upper
248 100
250 98.9 78.4 117.6
141 83.6 61.4 92.2



#69
Hexachlorobenzene
Concen: 4.570 ng/ul
RT: 16.686 min Scan# 2295
Delta R.T. 0.006 min
Lab File: BP016211.D
Acq: 13 Jul 2023 16:47

Tgt Ion:284 Resp: 53131
Ion Ratio Lower Upper
284 100
142 39.3 30.2 45.4
249 32.0 25.0 37.4

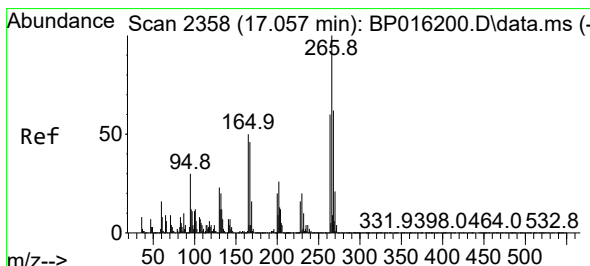
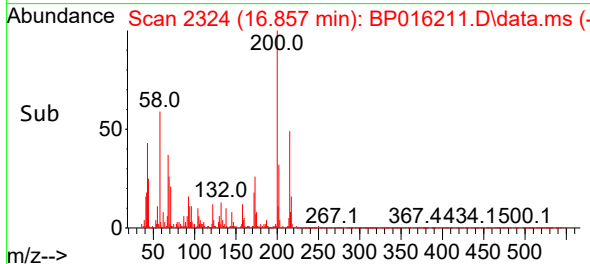
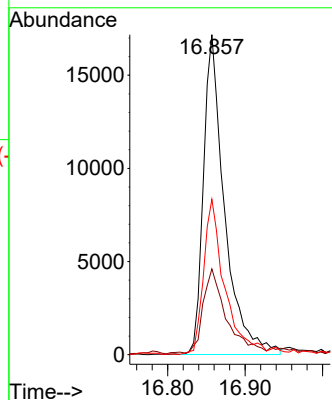
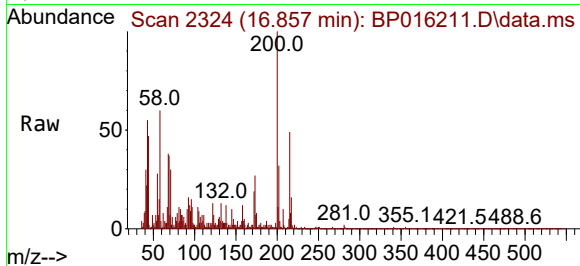




#70
Atrazine
Concen: 3.043 ng/ul
RT: 16.857 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP016211.D
Acq: 13 Jul 2023 16:47

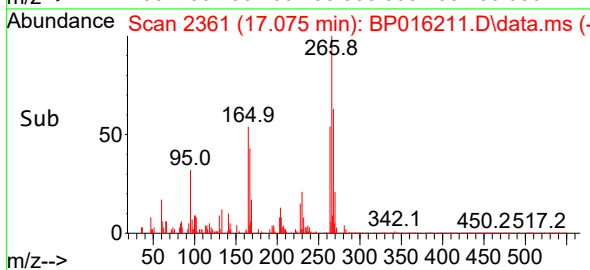
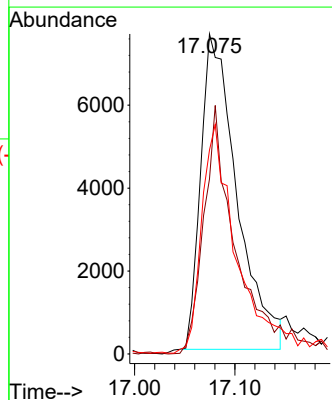
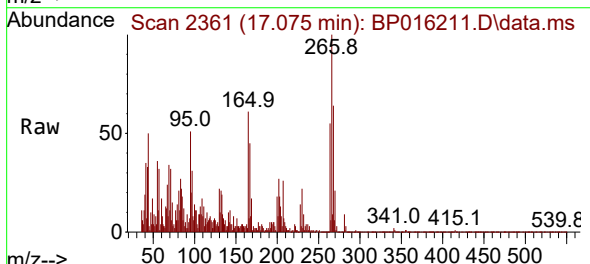
Instrument :
BNA_P
ClientSampleId :
A4634MS

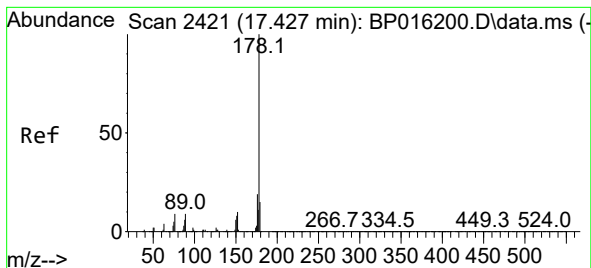
Tgt Ion	Ratio	Lower	Upper
200	100		
173	26.8	21.8	32.8
215	48.6	38.7	58.1



#71
Pentachlorophenol
Concen: 3.277 ng/ul
RT: 17.075 min Scan# 2361
Delta R.T. 0.018 min
Lab File: BP016211.D
Acq: 13 Jul 2023 16:47

Tgt Ion	Ratio	Lower	Upper
266	100		
264	54.6	49.8	74.8
268	63.7	49.5	74.3





#72

Phenanthrene

Concen: 6.422 ng/ul

RT: 17.433 min Scan# 2421

Delta R.T. 0.006 min

Lab File: BP016211.D

Acq: 13 Jul 2023 16:47

Instrument :

BNA_P

ClientSampleId :

A4634MS

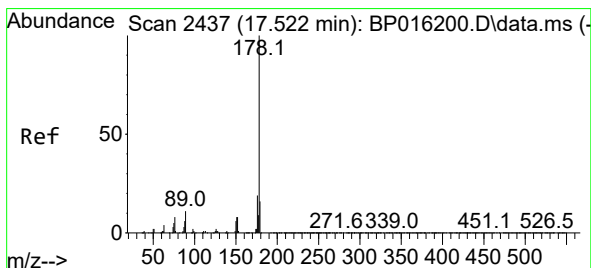
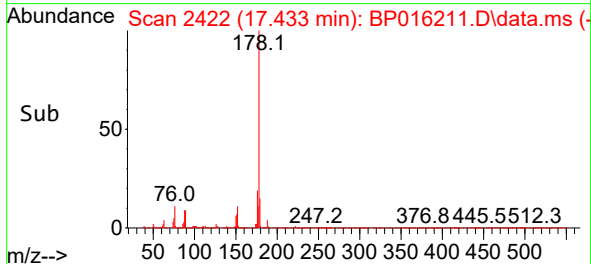
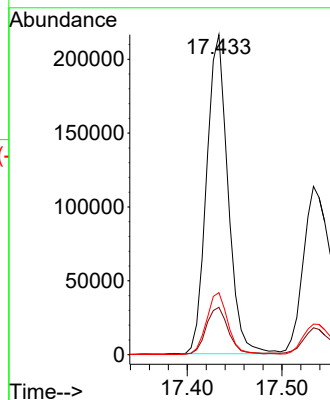
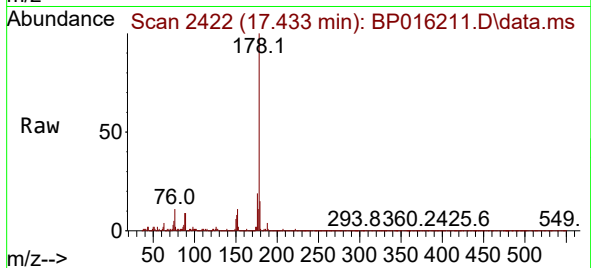
Tgt Ion:178 Resp: 339912

Ion Ratio Lower Upper

178 100

179 14.8 12.5 18.7

176 19.4 15.6 23.4



#74

Anthracene

Concen: 4.784 ng/ul

RT: 17.533 min Scan# 2439

Delta R.T. 0.012 min

Lab File: BP016211.D

Acq: 13 Jul 2023 16:47

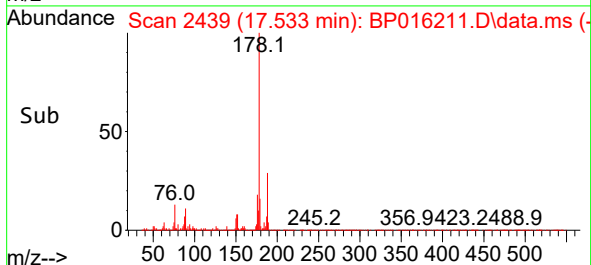
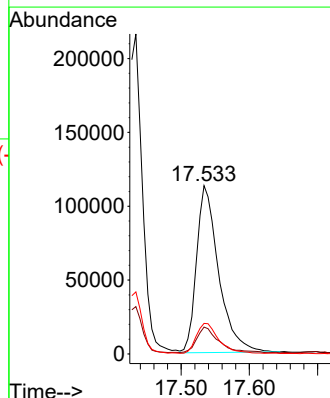
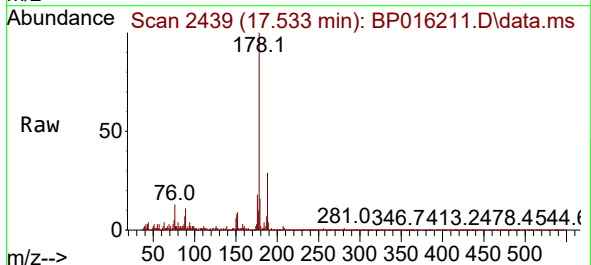
Tgt Ion:178 Resp: 254458

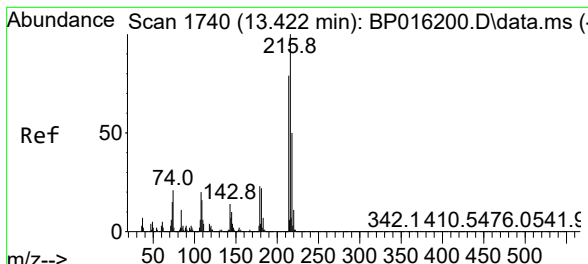
Ion Ratio Lower Upper

178 100

179 16.0 11.9 17.9

176 18.1 15.0 22.4

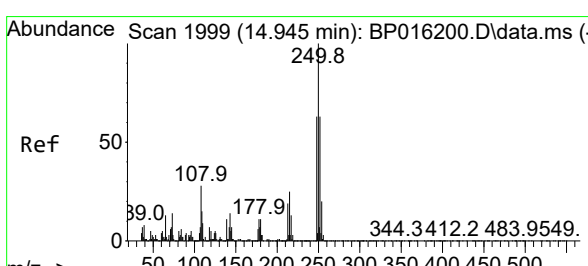
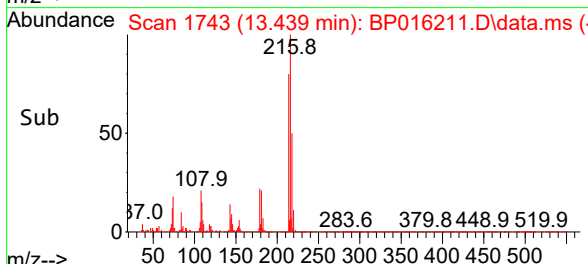
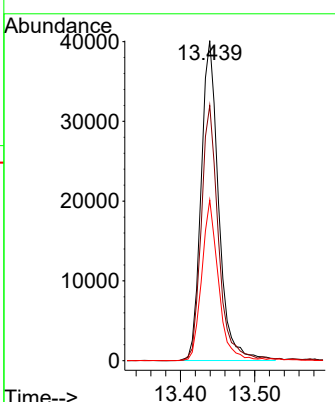
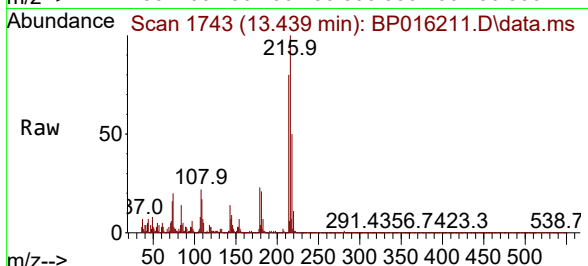




#75
 1,2,3,4-Tetrachlorobenzene
 Concen: 4.954 ng/uL
 RT: 13.439 min Scan# 11
 Delta R.T. 0.018 min
 Lab File: BP016211.D
 Acq: 13 Jul 2023 16:47

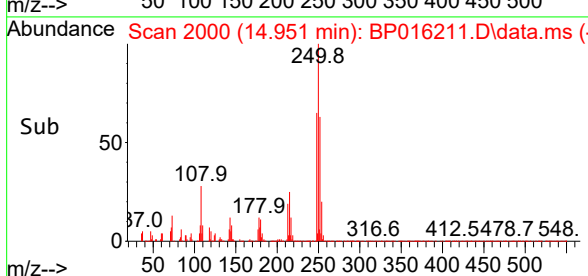
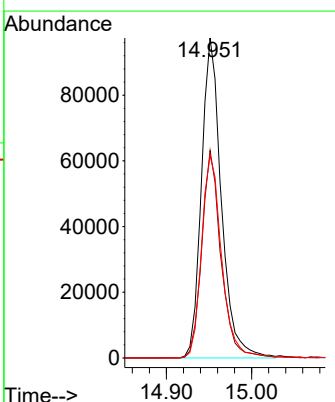
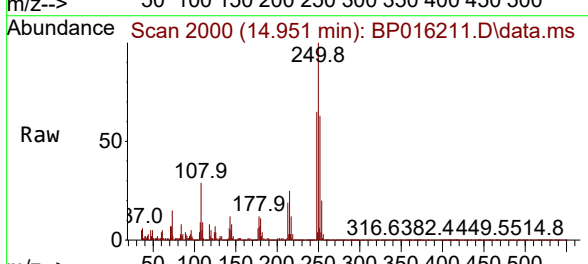
Instrument :
 BNA_P
 ClientSampleId :
 A4634MS

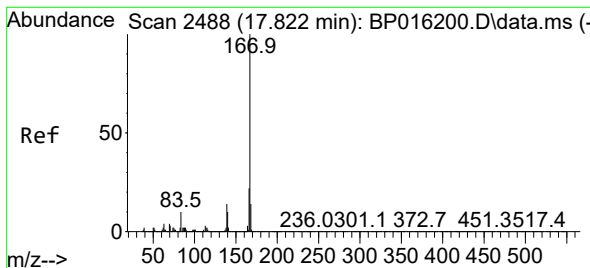
Tgt Ion:	216	Resp:	66069
Ion Ratio	Lower	Upper	
216	100		
214	79.8	62.6	94.0
218	50.2	38.5	57.7



#76
 Pentachlorobenzene
 Concen: 12.568 ng/uL
 RT: 14.951 min Scan# 2000
 Delta R.T. 0.006 min
 Lab File: BP016211.D
 Acq: 13 Jul 2023 16:47

Tgt Ion:	250	Resp:	158206
Ion Ratio	Lower	Upper	
250	100		
248	64.8	50.5	75.7
252	63.3	51.7	77.5





#77

Carbazole

Concen: 5.096 ng/ul

RT: 17.839 min Scan# 2491

Delta R.T. 0.018 min

Lab File: BP016211.D

Acq: 13 Jul 2023 16:47

Instrument :

BNA_P

ClientSampleId :

A4634MS

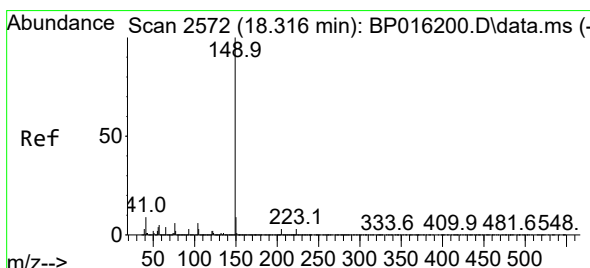
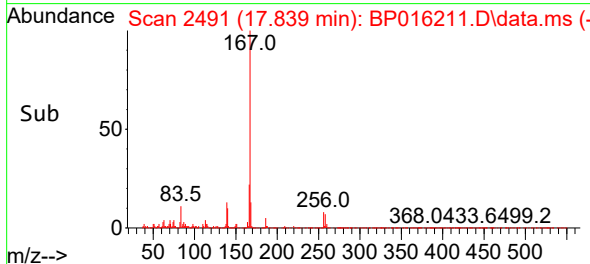
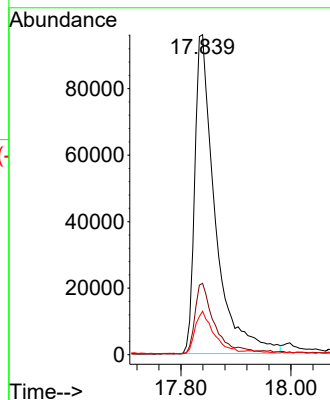
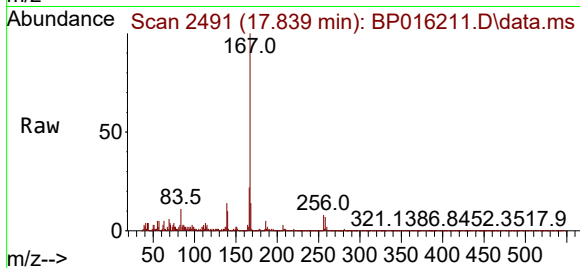
Tgt Ion:167 Resp: 247142

Ion Ratio Lower Upper

167 100

166 22.3 16.8 25.2

139 13.6 10.2 15.4



#78

Di-n-butylphthalate

Concen: 5.925 ng/ul

RT: 18.316 min Scan# 2572

Delta R.T. 0.000 min

Lab File: BP016211.D

Acq: 13 Jul 2023 16:47

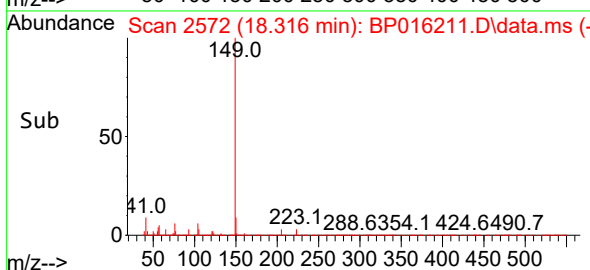
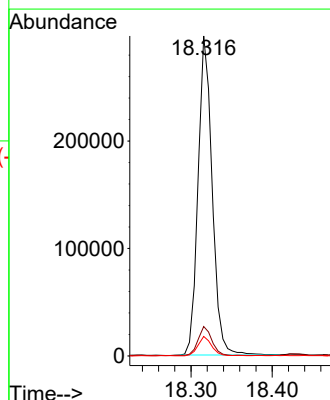
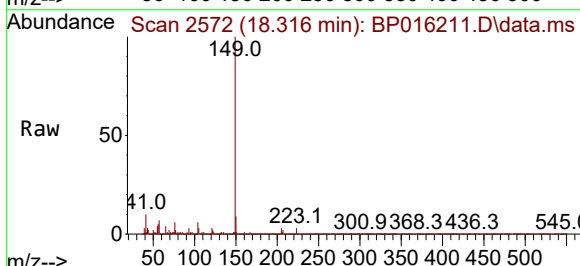
Tgt Ion:149 Resp: 359950

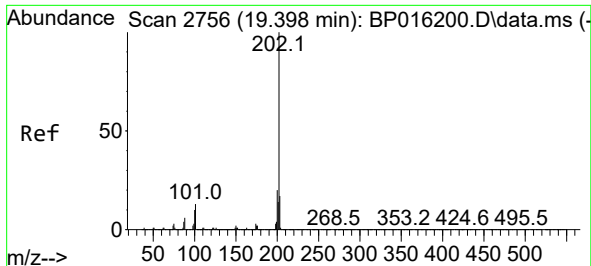
Ion Ratio Lower Upper

149 100

150 9.2 7.4 11.0

104 6.1 4.6 7.0

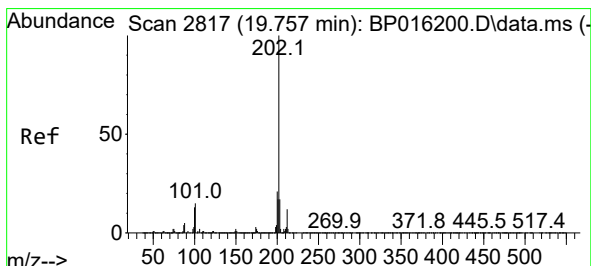
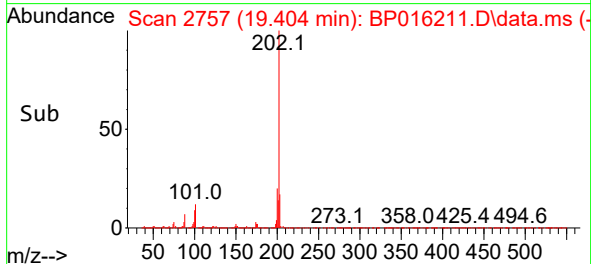
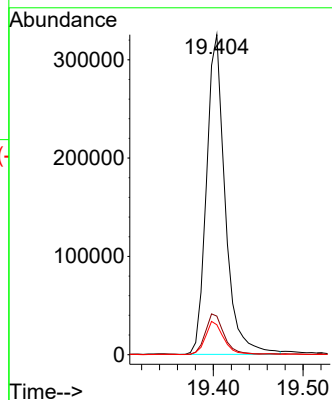
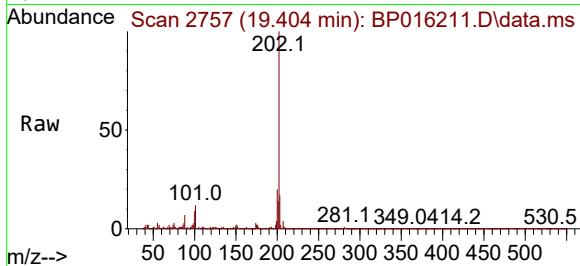




#80
Fluoranthene
Concen: 7.164 ng/ul
RT: 19.404 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP016211.D
Acq: 13 Jul 2023 16:47

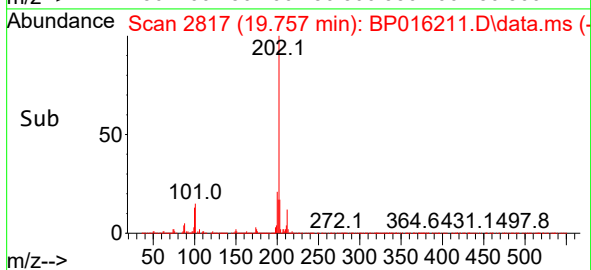
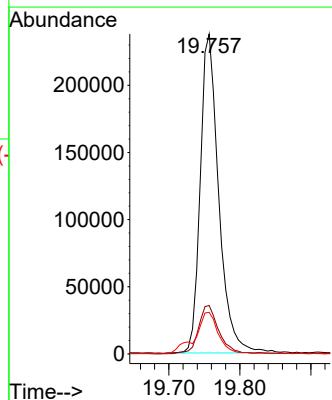
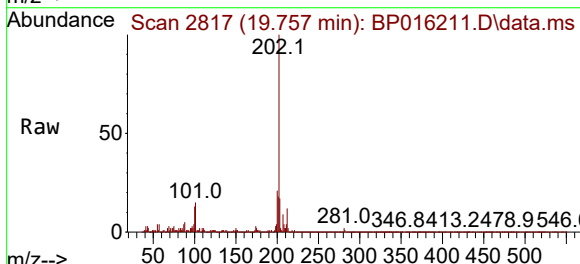
Instrument :
BNA_P
ClientSampleId :
A4634MS

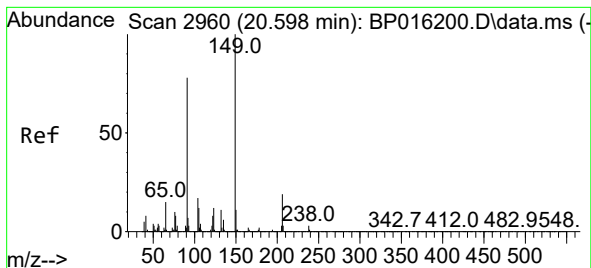
Tgt Ion:202 Resp: 470877
Ion Ratio Lower Upper
202 100
101 12.1 10.4 15.6
100 9.4 8.2 12.4



#82
Pyrene
Concen: 6.132 ng/ul
RT: 19.757 min Scan# 2817
Delta R.T. 0.000 min
Lab File: BP016211.D
Acq: 13 Jul 2023 16:47

Tgt Ion:202 Resp: 430268
Ion Ratio Lower Upper
202 100
101 15.2 12.4 18.6
100 13.0 10.5 15.7





#83

Butylbenzylphthalate

Concen: 6.077 ng/ul

RT: 20.598 min Scan# 2960

Delta R.T. 0.000 min

Lab File: BP016211.D

Acq: 13 Jul 2023 16:47

Instrument :

BNA_P

ClientSampleId :

A4634MS

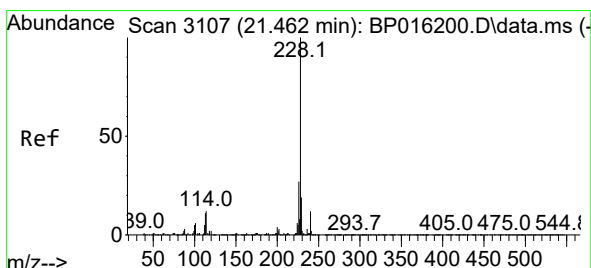
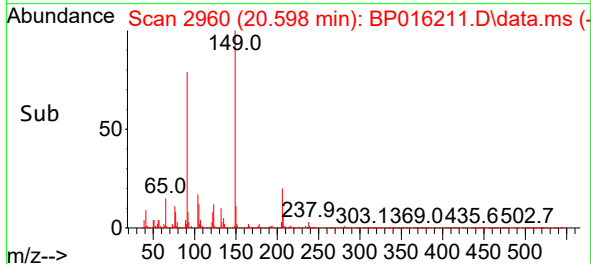
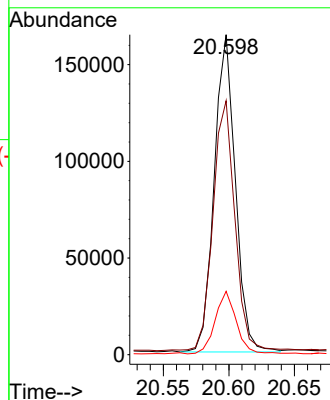
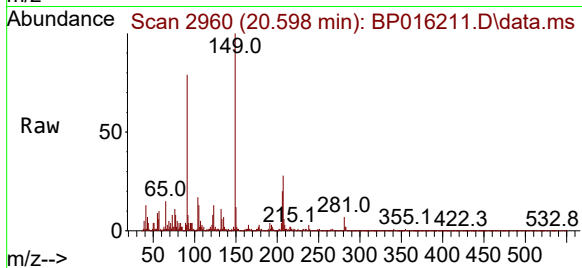
Tgt Ion:149 Resp: 183899

Ion Ratio Lower Upper

149 100

91 79.4 67.1 100.7

206 19.8 15.0 22.4



#85

Benzo(a)anthracene

Concen: 6.103 ng/ul

RT: 21.468 min Scan# 3108

Delta R.T. 0.006 min

Lab File: BP016211.D

Acq: 13 Jul 2023 16:47

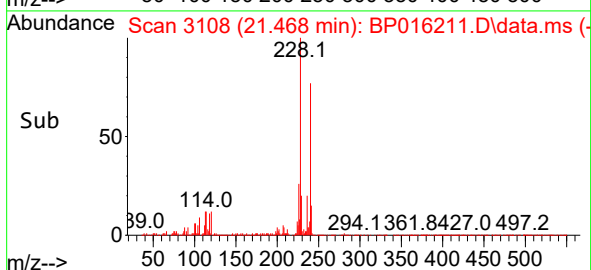
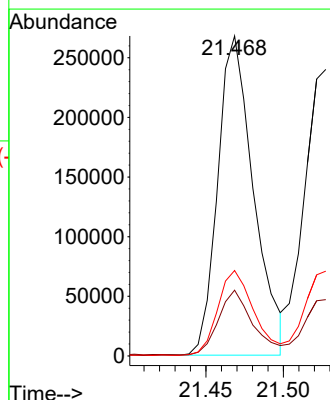
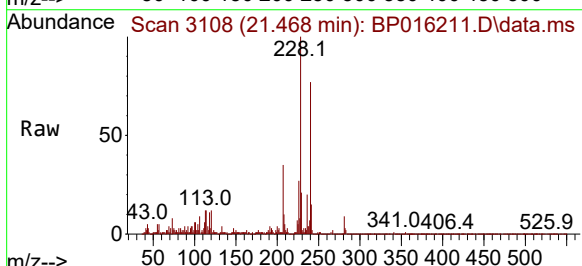
Tgt Ion:228 Resp: 430498

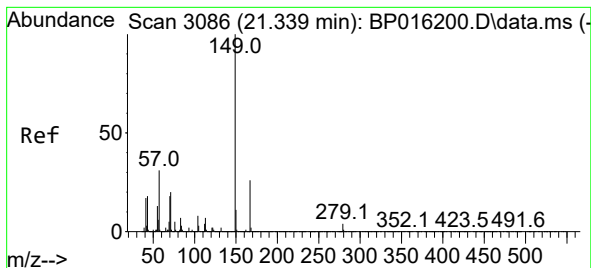
Ion Ratio Lower Upper

228 100

229 20.5 15.5 23.3

226 26.7 21.5 32.3

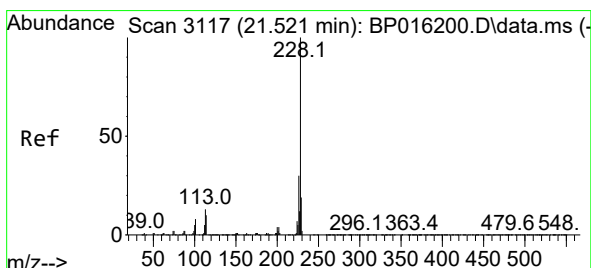
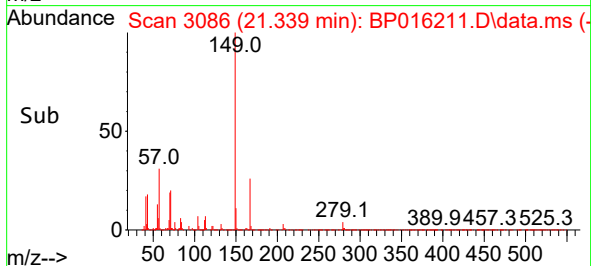
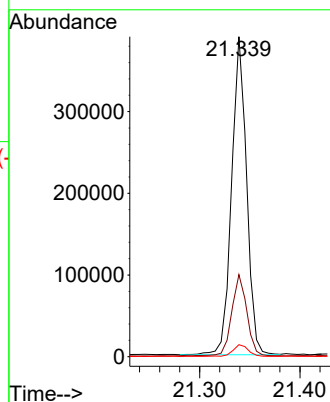
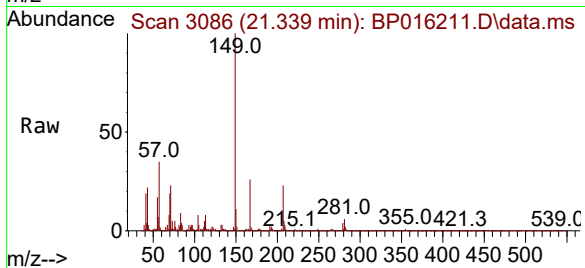




#86
 Bis(2-ethylhexyl)phthalate
 Concen: 8.932 ng/ul
 RT: 21.339 min Scan# 3086
 Delta R.T. 0.000 min
 Lab File: BP016211.D
 Acq: 13 Jul 2023 16:47

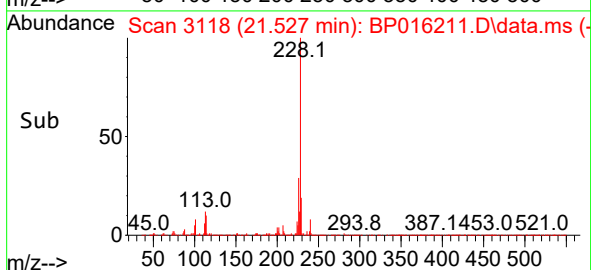
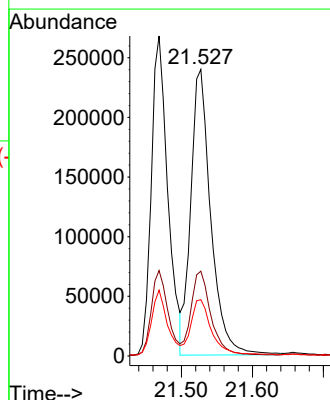
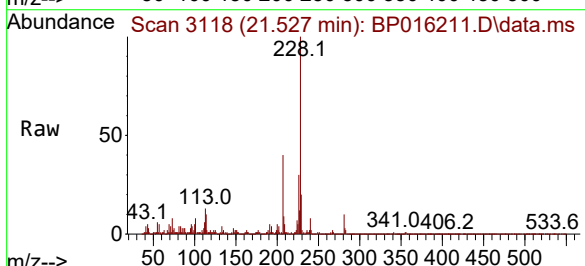
Instrument :
 BNA_P
 ClientSampleId :
 A4634MS

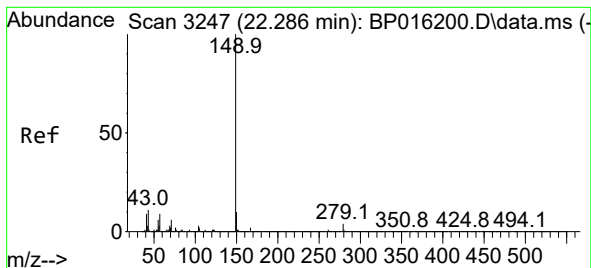
Tgt Ion:149 Resp: 403798
 Ion Ratio Lower Upper
 149 100
 167 25.6 21.0 31.4
 279 3.8 3.0 4.6



#87
 Chrysene
 Concen: 6.594 ng/ul
 RT: 21.527 min Scan# 3118
 Delta R.T. 0.006 min
 Lab File: BP016211.D
 Acq: 13 Jul 2023 16:47

Tgt Ion:228 Resp: 471196
 Ion Ratio Lower Upper
 228 100
 226 29.6 24.0 36.0
 229 19.7 15.5 23.3





#89

Di-n-octyl phthalate

Concen: 5.846 ng/ul

RT: 22.286 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP016211.D

Acq: 13 Jul 2023 16:47

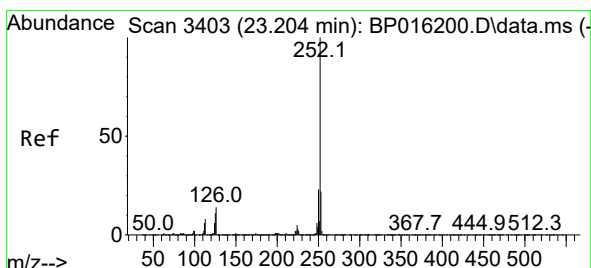
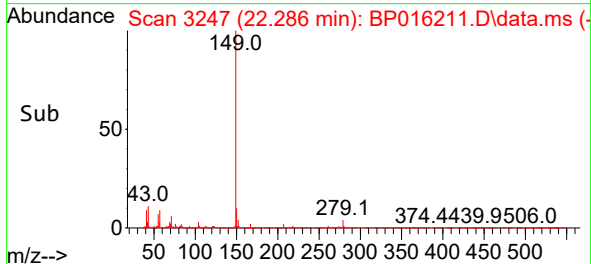
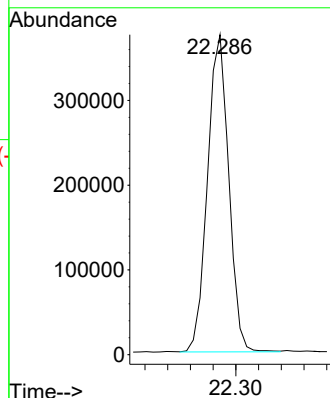
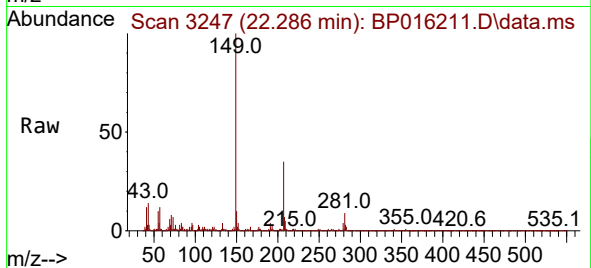
Instrument :

BNA_P

ClientSampleId :

A4634MS

Tgt Ion:149 Resp: 486130



#90

Benzo(b)fluoranthene

Concen: 6.591 ng/ul

RT: 23.215 min Scan# 3405

Delta R.T. 0.012 min

Lab File: BP016211.D

Acq: 13 Jul 2023 16:47

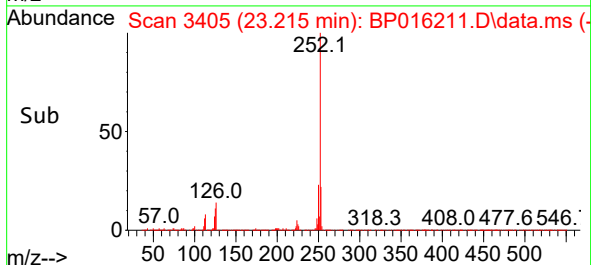
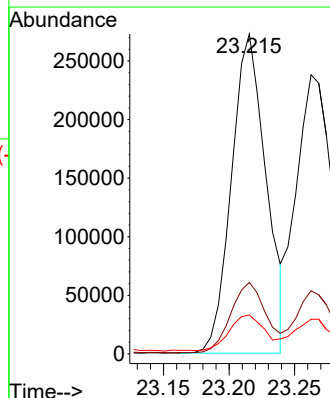
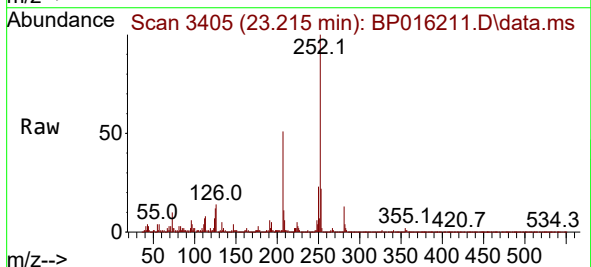
Tgt Ion:252 Resp: 499815

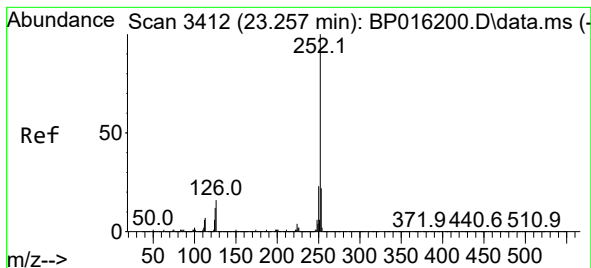
Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

125 12.2 9.4 14.0





#91

Benzo(k)fluoranthene

Concen: 6.237 ng/ul

RT: 23.262 min Scan# 3412

Delta R.T. 0.006 min

Lab File: BP016211.D

Acq: 13 Jul 2023 16:47

Instrument :

BNA_P

ClientSampleId :

A4634MS

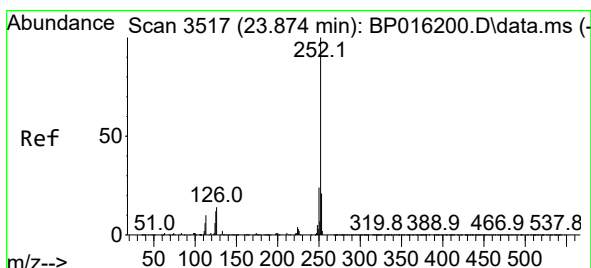
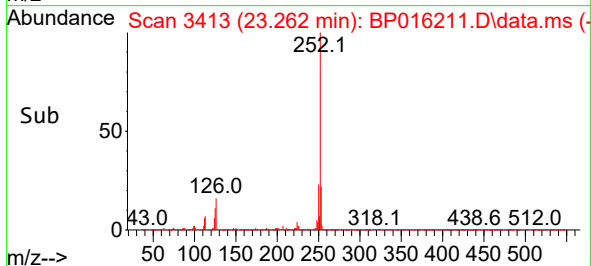
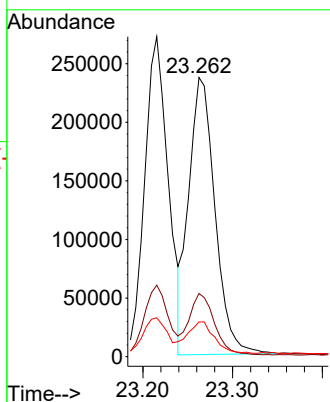
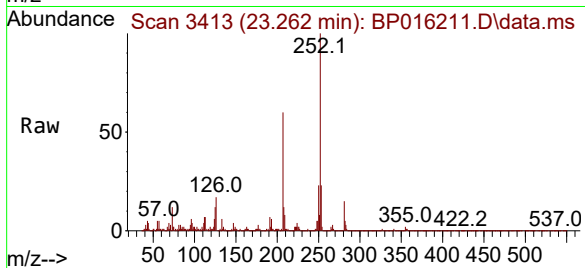
Tgt Ion:252 Resp: 481297

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.2

125 12.4 9.3 13.9



#93

Benzo(a)pyrene

Concen: 3.337 ng/ul

RT: 23.874 min Scan# 3517

Delta R.T. 0.000 min

Lab File: BP016211.D

Acq: 13 Jul 2023 16:47

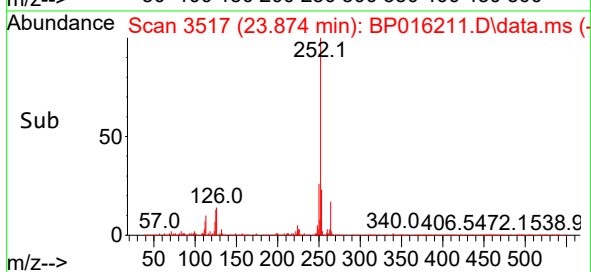
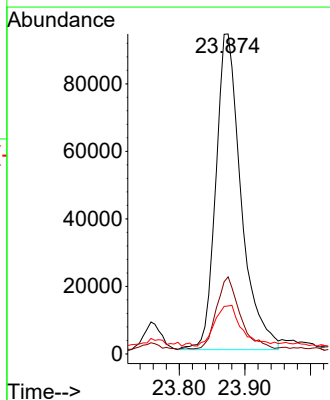
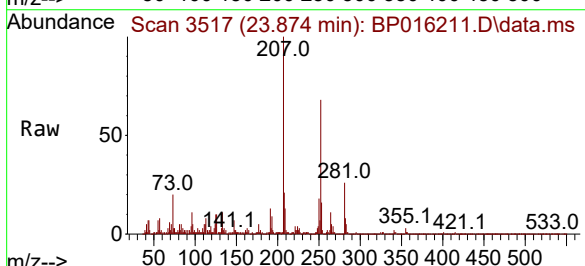
Tgt Ion:252 Resp: 250675

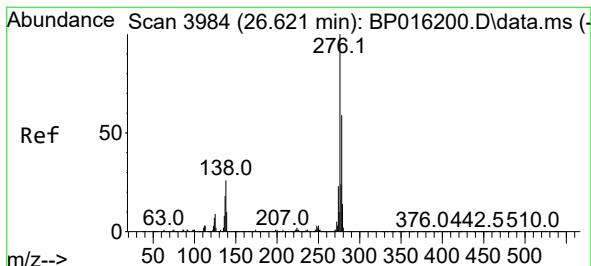
Ion Ratio Lower Upper

252 100

253 24.1 17.2 25.8

125 15.0 9.8 14.6#





#94

Indeno(1,2,3-cd)pyrene

Concen: 4.956 ng/ul

RT: 26.656 min Scan# 3990

Delta R.T. 0.035 min

Lab File: BP016211.D

Acq: 13 Jul 2023 16:47

Instrument :

BNA_P

ClientSampleId :

A4634MS

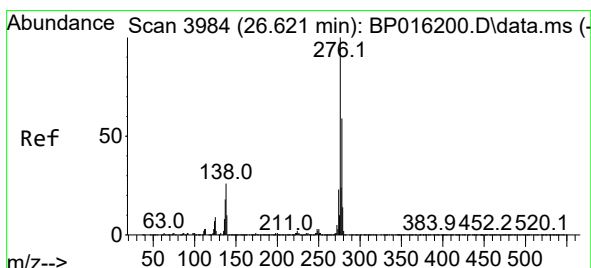
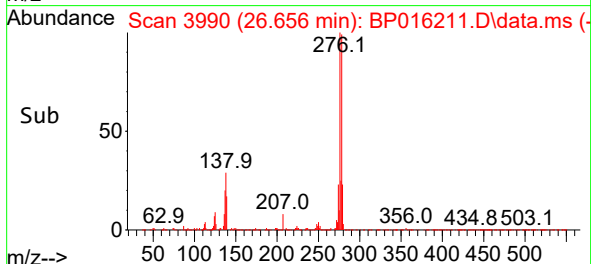
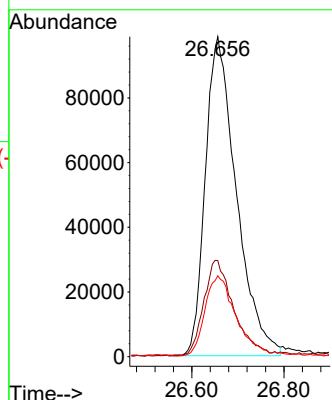
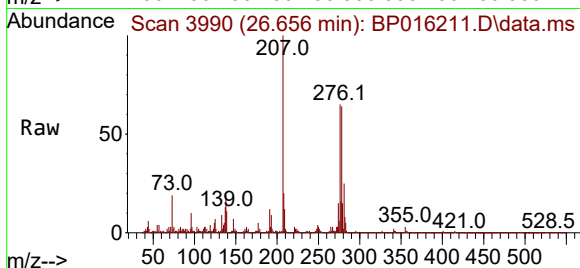
Tgt Ion:276 Resp: 461028

Ion Ratio Lower Upper

276 100

138 30.0 20.8 31.2

277 25.3 19.8 29.8



#95

Dibenzo(a,h)anthracene

Concen: 5.829 ng/ul

RT: 26.639 min Scan# 3987

Delta R.T. 0.018 min

Lab File: BP016211.D

Acq: 13 Jul 2023 16:47

Tgt Ion:278 Resp: 442276

Ion Ratio Lower Upper

278 100

139 18.0 13.9 20.9

279 24.4 18.2 27.4

