

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100423\
 Data File : BP017543.D
 Acq On : 04 Oct 2023 21:07
 Operator : MA/JU
 Sample : 04679-05MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PMW-4(20230927)MSD

Quant Time: Oct 05 00:40:27 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100423.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 04 16:33:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.940	152	108338	20.000	ng/u1	0.00
20) Naphthalene-d8	10.781	136	448151	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.634	164	287483	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.422	188	653393	20.000	ng/u1	0.00
79) Chrysene-d12	21.557	240	648202	20.000	ng/u1	0.00
88) Perylene-d12	24.133	264	695898	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.293	96	11385	4.201	ng/uL	0.00
4) Pyridine-d5	3.728	84	97996	13.816	ng/u1	0.00
7) Phenol-d5	7.099	99	93734	10.283	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.287	67	243515	43.781	ng/u1	0.00
11) 2-Chlorophenol-d4	7.463	132	252880	35.234	ng/u1	0.00
15) 4-Methylphenol-d8	8.669	113	183437	25.138	ng/u1	0.00
21) Nitrobenzene-d5	9.152	128	159928	46.386	ng/u1	0.00
24) 2-Nitrophenol-d4	9.869	143	183070	47.078	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.399	165	356475	49.448	ng/u1	0.00
31) 4-Chloroaniline-d4	10.952	131	395535	38.515	ng/u1	0.00
46) Dimethylphthalate-d6	14.051	166	1320055	58.867	ng/u1	0.00
49) Acenaphthylene-d8	14.334	160	1357351	54.893	ng/u1	0.00
54) 4-Nitrophenol-d4	14.881	143	50684	12.907	ng/u1	0.00
60) Fluorene-d10	15.640	176	1100294	57.848	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.781	200	239070	58.690	ng/u1	0.00
73) Anthracene-d10	17.522	188	1822396	60.255	ng/u1	0.00
81) Pyrene-d10	19.775	212	2218234	61.586	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.968	264	2202555	62.716	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.328	88	18569	6.666	ng/uL#	90
5) Pyridine	3.752	79	113032	15.175	ng/u1	97
6) Benzaldehyde	7.099	77	253301	55.123	ng/u1	99
8) Phenol	7.128	94	107997	11.829	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.381	93	356722	48.256	ng/u1	99
12) 2-Chlorophenol	7.493	128	284610	39.181	ng/u1	98
13) 2-Methylphenol	8.393	108	225097	32.899	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.458	45	285856	29.368	ng/u1	99
16) Acetophenone	8.799	105	574398	49.912	ng/u1	96
17) N-Nitroso-di-n-propyla...	8.769	70	306753	51.949	ng/u1	97
18) 4-Methylphenol	8.734	108	216240	29.207	ng/u1	97
19) Hexachloroethane	9.005	117	154422	47.891	ng/u1	99
22) Nitrobenzene	9.193	77	450718	50.825	ng/u1	99
23) Isophorone	9.710	82	904938	55.619	ng/u1	98
25) 2-Nitrophenol	9.899	139	214665	52.025	ng/u1	99
26) 2,4-Dimethylphenol	9.946	107	397301	48.565	ng/u1	97
27) Bis(2-Chloroethoxy)met...	10.199	93	514987	51.768	ng/u1	100
29) 2,4-Dichlorophenol	10.422	162	379100	54.158	ng/u1	97
30) Naphthalene	10.834	128	1215302	50.826	ng/u1	99
32) 4-Chloroaniline	10.975	127	405192	41.335	ng/u1	98
33) Hexachlorobutadiene	11.057	225	249555	49.092	ng/u1	99
34) Caprolactam	11.869	113	36507	16.806	ng/u1	99
35) 4-Chloro-3-methylphenol	12.081	107	402075	54.425	ng/u1	99
36) 2-Methylnaphthalene	12.446	142	883699	54.087	ng/u1	100

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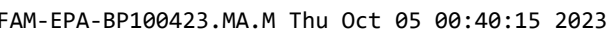
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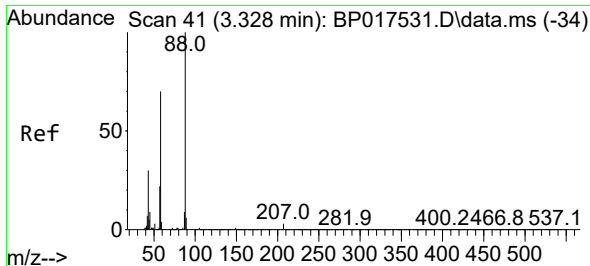
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.663	142	881257	52.571	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.799	216	498729	52.950	ng/ul	99
40) Hexachlorocyclopentadiene	12.740	237	204154	38.430	ng/ul	98
41) 2,4,6-Trichlorophenol	13.057	196	375305	62.524	ng/ul	98
42) 2,4,5-Trichlorophenol	13.128	196	411955	65.179	ng/ul	100
43) 1,1'-Biphenyl	13.463	154	1244256	56.539	ng/ul	98
44) 2-Chloronaphthalene	13.510	162	983202	56.193	ng/ul	99
45) 2-Nitroaniline	13.757	65	340033	69.937	ng/ul	96
47) Dimethylphthalate	14.098	163	1446225	64.166	ng/ul	99
48) 2,6-Dinitrotoluene	14.251	165	299318	71.267	ng/ul	95
50) Acenaphthylene	14.363	152	1702844	59.548	ng/ul	99
51) 3-Nitroaniline	14.593	138	172360	43.049	ng/ul	94
52) Acenaphthene	14.698	153	1125899	59.649	ng/ul	100
53) 2,4-Dinitrophenol	14.798	184	167933	67.548	ng/ul	93
55) 4-Nitrophenol	14.893	109	51208	14.522	ng/ul	95
56) Dibenzofuran	15.040	168	1637392	61.637	ng/ul	99
57) 2,4-Dinitrotoluene	15.040	165	454224	72.460	ng/ul	94
58) 2,3,4,6-Tetrachlorophenol	15.263	232	371970	66.494	ng/ul	100
59) Diethylphthalate	15.463	149	1501775	66.428	ng/ul	99
61) Fluorene	15.698	166	1381512	62.968	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.687	204	708268	63.017	ng/ul	99
63) 4-Nitroaniline	15.769	138	265632	70.586	ng/ul	97
66) 4,6-Dinitro-2-methylph...	15.798	198	278995	64.020	ng/ul#	97
67) N-Nitrosodiphenylamine	15.916	169	1204154	65.816	ng/ul	99
68) 4-Bromophenyl-phenylether	16.592	248	454793	65.656	ng/ul	98
69) Hexachlorobenzene	16.675	284	528990	64.847	ng/ul	98
70) Atrazine	16.881	200	373699	52.794	ng/ul	98
71) Pentachlorophenol	17.051	266	338887	68.624	ng/ul	98
72) Phenanthrene	17.469	178	2315579	65.847	ng/ul	99
74) Anthracene	17.563	178	2330952	65.033	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.416	216	514347	53.253	ng/ul	99
76) Pentachlorobenzene	14.928	250	529579	55.235	ng/ul	98
77) Carbazole	17.851	167	2166774	67.322	ng/ul	99
78) Di-n-butylphthalate	18.363	149	2738995	70.607	ng/ul	99
80) Fluoranthene	19.445	202	2863931	68.254	ng/ul	99
82) Pyrene	19.804	202	2960112	66.861	ng/ul	99
83) Butylbenzylphthalate	20.675	149	1299896	74.764	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.486	252	115895	7.869	ng/ul	98
85) Benzo(a)anthracene	21.539	228	3054733	67.267	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.416	149	1883583	75.160	ng/ul	100
87) Chrysene	21.598	228	2827604	66.612	ng/ul	99
89) Di-n-octyl phthalate	22.404	149	3216539	73.065	ng/ul	100
90) Benzo(b)fluoranthene	23.339	252	2994260	68.542	ng/ul	99
91) Benzo(k)fluoranthene	23.392	252	2983159	68.492	ng/ul	100
93) Benzo(a)pyrene	24.027	252	2790244	68.322	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.892	276	3437947	68.861	ng/ul	99
95) Dibenzo(a,h)anthracene	26.915	278	2875818	68.360	ng/ul	100
96) Benzo(g,h,i)perylene	27.751	276	2705253	67.546	ng/ul	98

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

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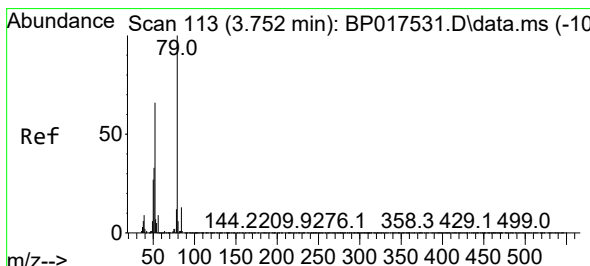
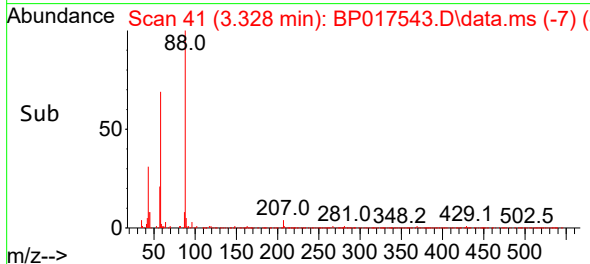
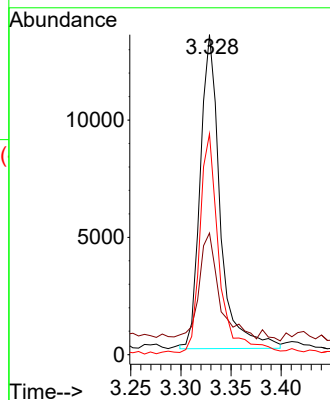
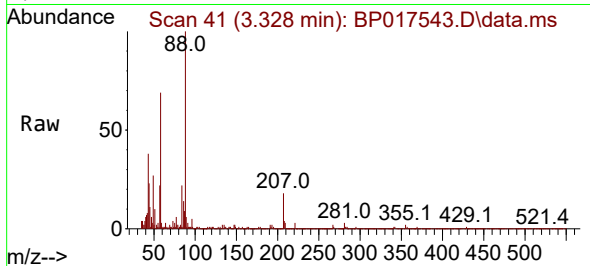




#2
1,4-Dioxane
Concen: 6.666 ng/uL
RT: 3.328 min Scan# 41
Delta R.T. 0.000 min
Lab File: BP017543.D
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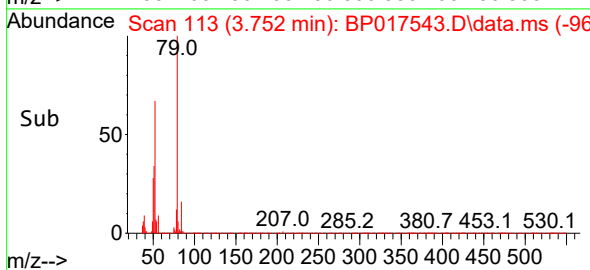
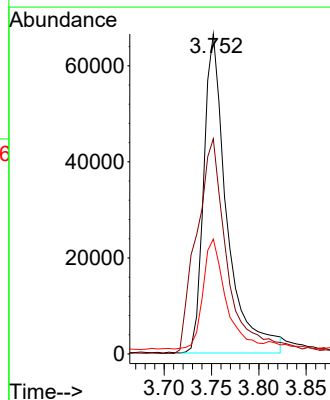
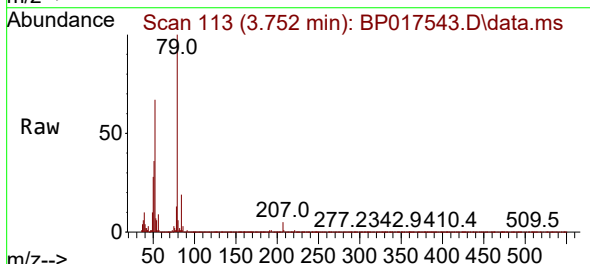
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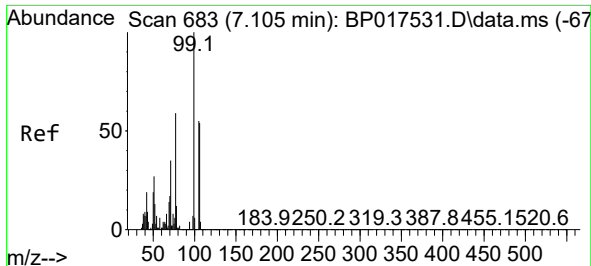
Tgt Ion: 88 Resp: 18569
Ion Ratio Lower Upper
88 100
43 38.0 22.6 34.0#
58 69.0 51.4 77.2



#5
Pyridine
Concen: 15.175 ng/uL
RT: 3.752 min Scan# 113
Delta R.T. 0.000 min
Lab File: BP017543.D
Acq: 04 Oct 2023 21:07

Tgt Ion: 79 Resp: 113032
Ion Ratio Lower Upper
79 100
52 67.3 52.6 78.8
51 35.9 31.7 47.5

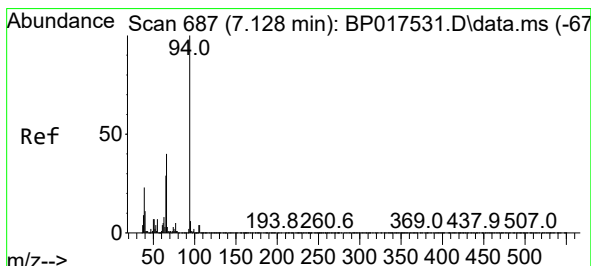
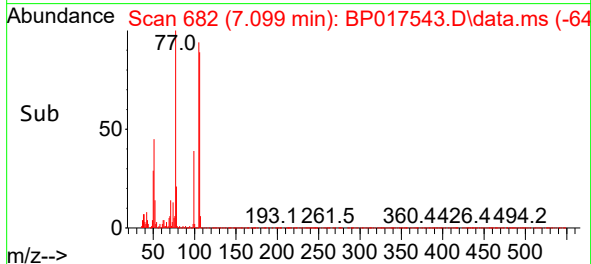
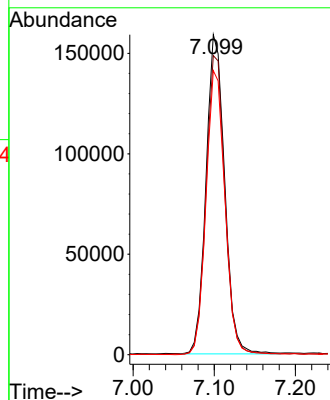
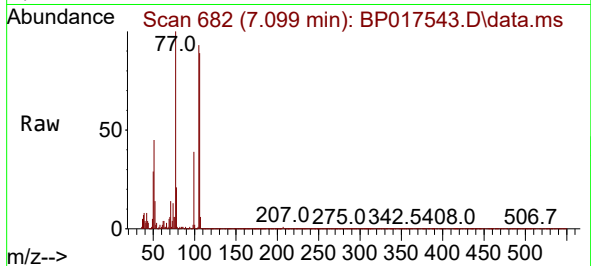




#6
Benzaldehyde
Concen: 55.123 ng/ul
RT: 7.099 min Scan# 682
Delta R.T. -0.006 min
Lab File: BP017543.D
Acq: 04 Oct 2023 21:07

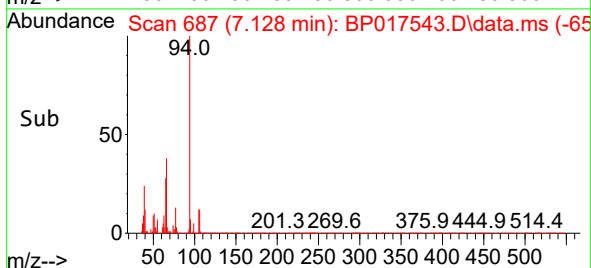
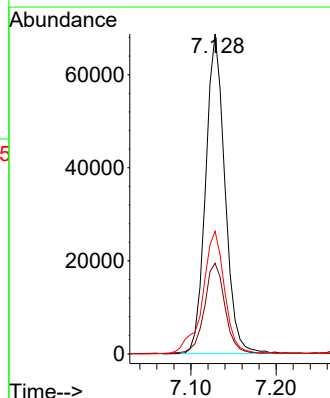
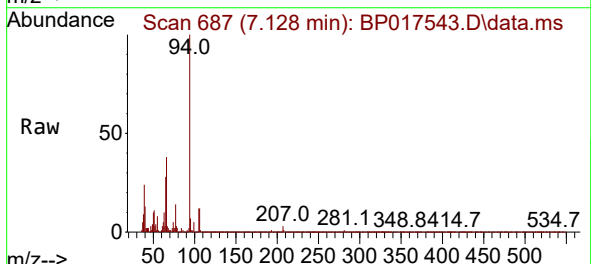
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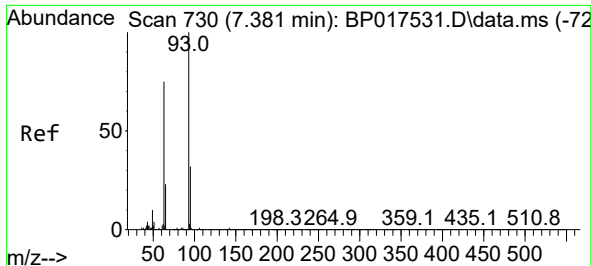
Tgt Ion: 77 Resp: 253301
Ion Ratio Lower Upper
77 100
105 93.5 74.6 112.0
106 88.8 72.8 109.2



#8
Phenol
Concen: 11.829 ng/ul
RT: 7.128 min Scan# 687
Delta R.T. 0.000 min
Lab File: BP017543.D
Acq: 04 Oct 2023 21:07

Tgt Ion: 94 Resp: 107997
Ion Ratio Lower Upper
94 100
65 28.3 23.5 35.3
66 38.4 32.3 48.5

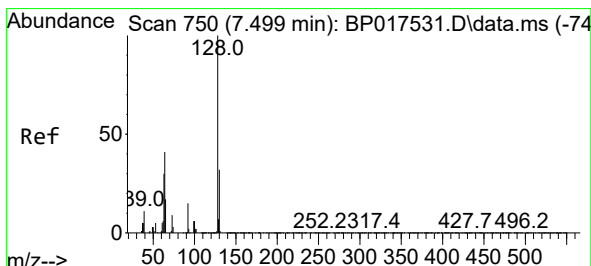
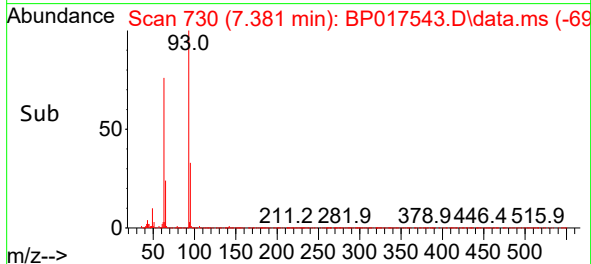
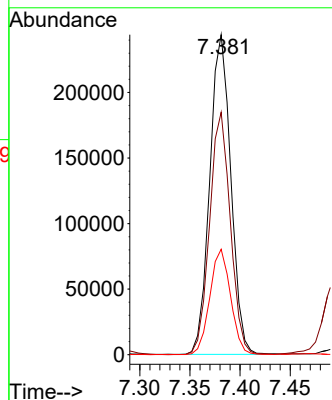
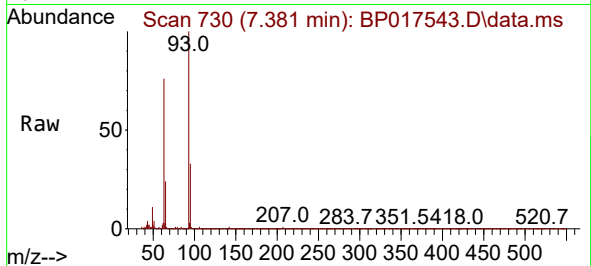




#10
Bis(2-Chloroethyl)ether
Concen: 48.256 ng/ul
RT: 7.381 min Scan# 710
Delta R.T. 0.000 min
Lab File: BP017543.D
Acq: 04 Oct 2023 21:07

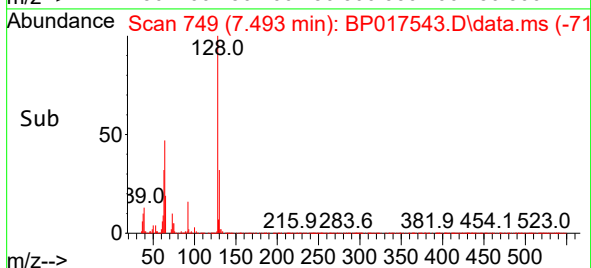
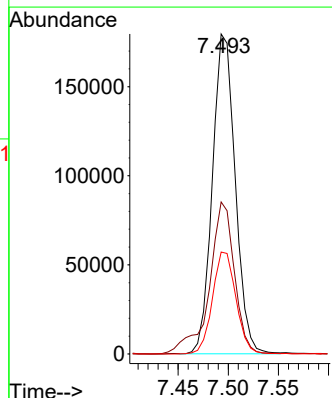
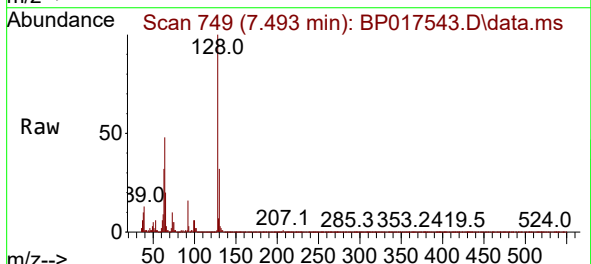
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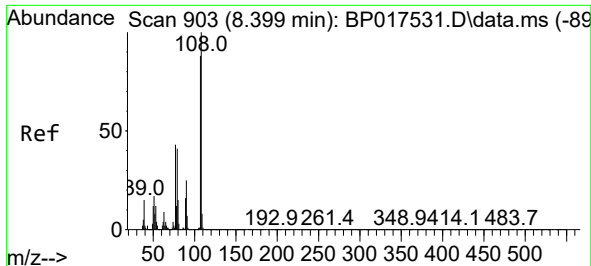
Tgt Ion: 93 Resp: 356722
Ion Ratio Lower Upper
93 100
63 75.7 60.0 90.0
95 33.0 25.9 38.9



#12
2-Chlorophenol
Concen: 39.181 ng/ul
RT: 7.493 min Scan# 749
Delta R.T. -0.006 min
Lab File: BP017543.D
Acq: 04 Oct 2023 21:07

Tgt Ion:128 Resp: 284610
Ion Ratio Lower Upper
128 100
64 47.5 36.7 55.1
130 31.9 25.4 38.0

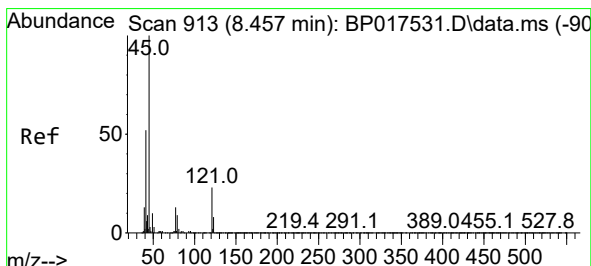
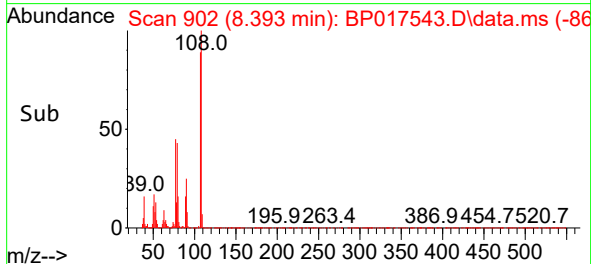
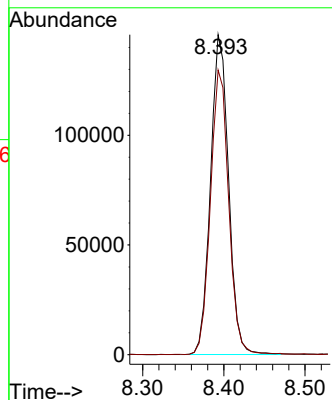
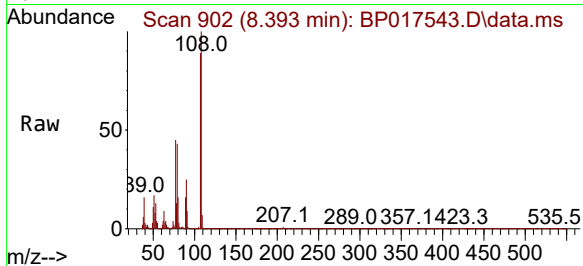




#13
2-Methylphenol
Concen: 32.899 ng/ul
RT: 8.393 min Scan# 903
Delta R.T. -0.006 min
Lab File: BP017543.D
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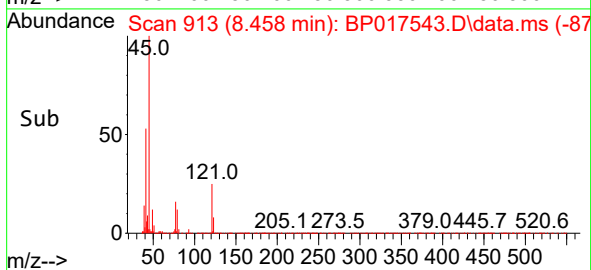
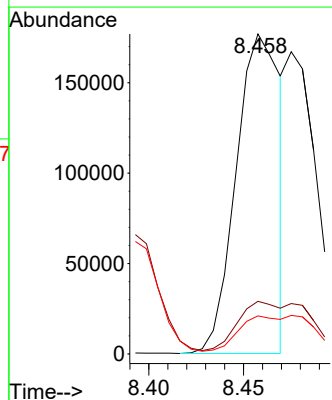
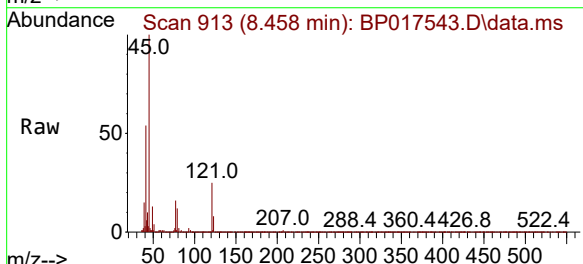
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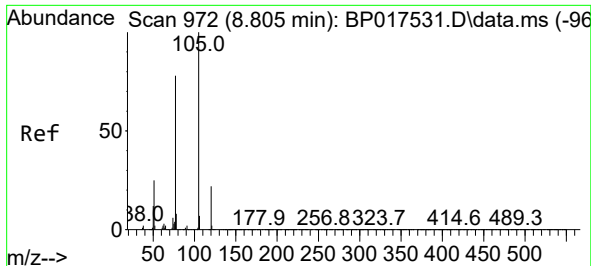
Tgt Ion:108 Resp: 225097
Ion Ratio Lower Upper
108 100
107 89.0 70.6 105.8



#14
2,2'-oxybis(1-Chloropropane)
Concen: 29.368 ng/ul
RT: 8.458 min Scan# 913
Delta R.T. 0.000 min
Lab File: BP017543.D
Acq: 04 Oct 2023 21:07

Tgt Ion: 45 Resp: 285856
Ion Ratio Lower Upper
45 100
77 16.4 12.9 19.3
79 11.9 9.0 13.4

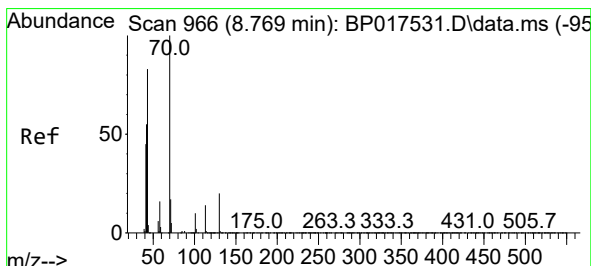
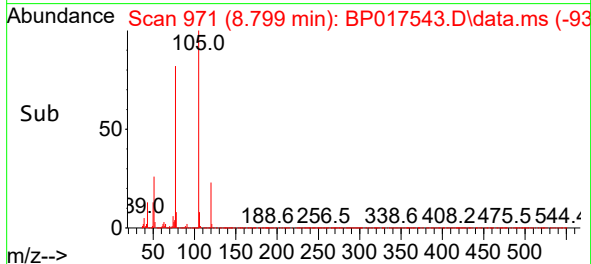
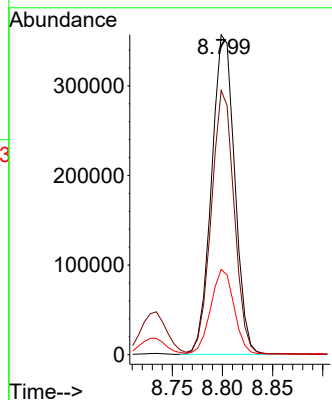
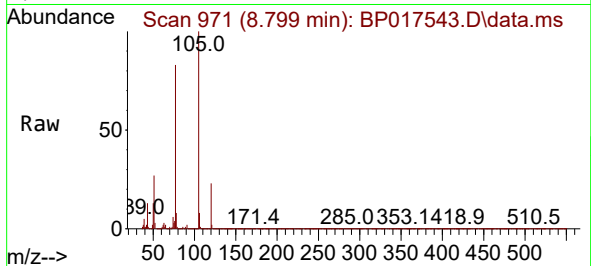




#16
Acetophenone
Concen: 49.912 ng/ul
RT: 8.799 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP017543.D
Acq: 04 Oct 2023 21:07

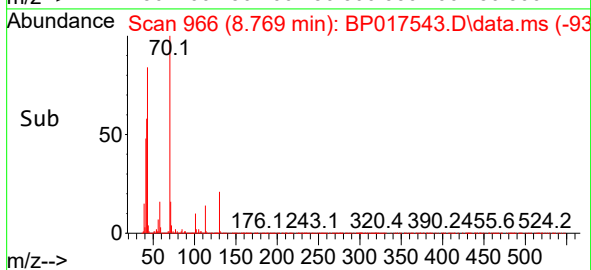
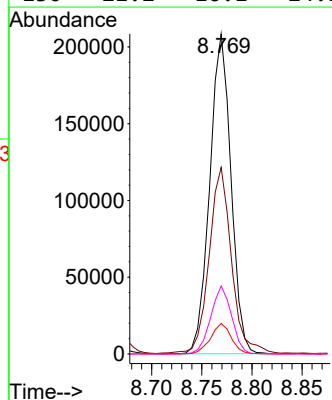
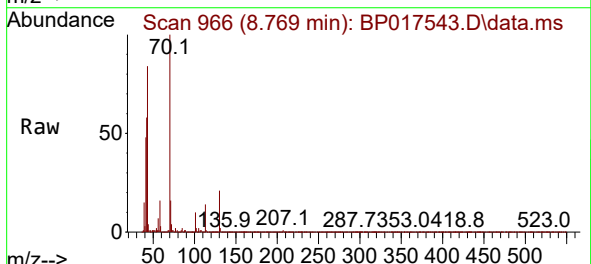
Instrument :
BNA_P
ClientSampleId :
PMW-4(20230927)MSD

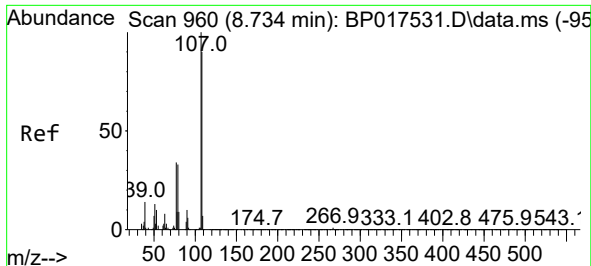
Tgt Ion:105 Resp: 574398
Ion Ratio Lower Upper
105 100
77 82.6 63.5 95.3
51 26.6 23.8 35.6



#17
N-Nitroso-di-n-propylamine
Concen: 51.949 ng/ul
RT: 8.769 min Scan# 966
Delta R.T. 0.000 min
Lab File: BP017543.D
Acq: 04 Oct 2023 21:07

Tgt Ion: 70 Resp: 306753
Ion Ratio Lower Upper
70 100
42 58.3 44.9 67.3
101 9.5 7.7 11.5
130 21.2 16.1 24.1

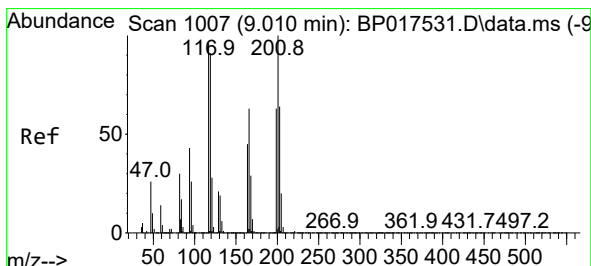
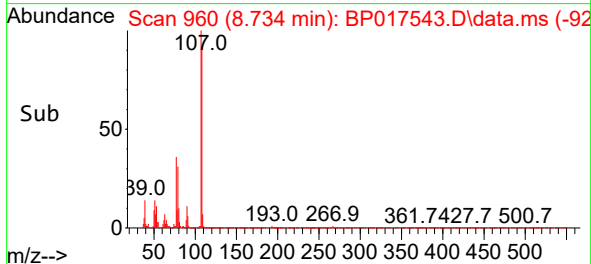
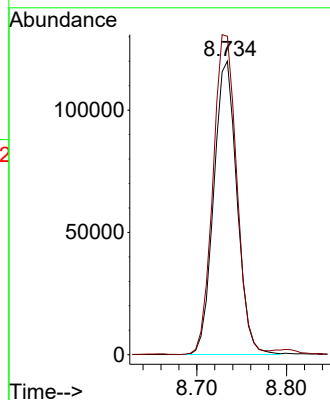
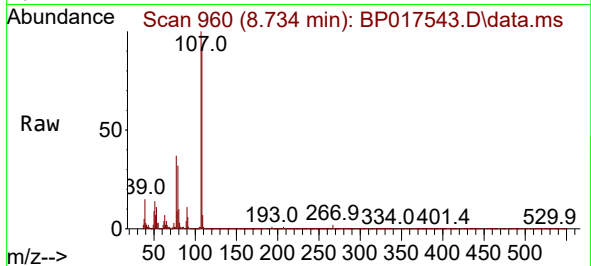




#18
4-Methylphenol
Concen: 29.207 ng/ul
RT: 8.734 min Scan# 90
Delta R.T. 0.000 min
Lab File: BP017543.D
Acq: 04 Oct 2023 21:07

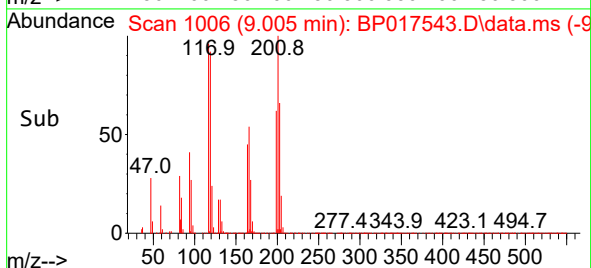
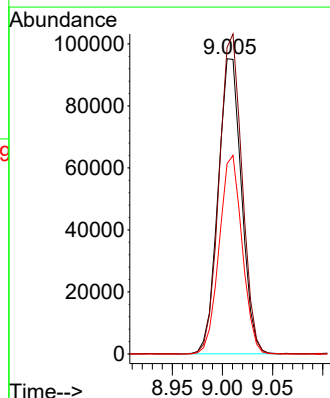
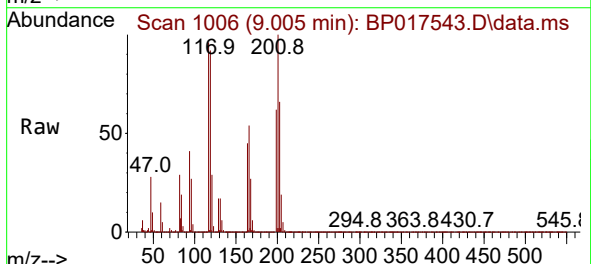
Instrument :
BNA_P
ClientSampleId :
PMW-4(20230927)MSD

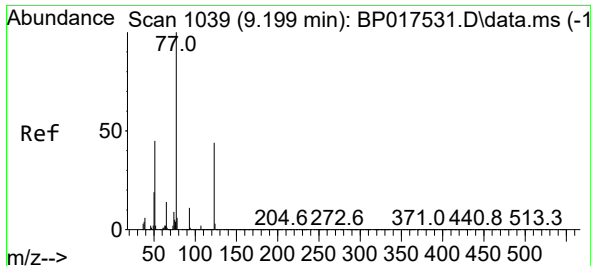
Tgt Ion:108 Resp: 216240
Ion Ratio Lower Upper
108 100
107 108.4 89.0 133.6



#19
Hexachloroethane
Concen: 47.891 ng/ul
RT: 9.005 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BP017543.D
Acq: 04 Oct 2023 21:07

Tgt Ion:117 Resp: 154422
Ion Ratio Lower Upper
117 100
201 103.8 83.2 124.8
199 64.4 52.8 79.2

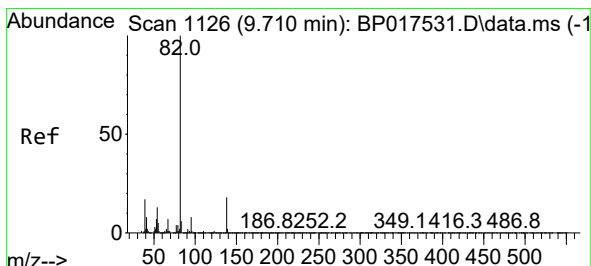
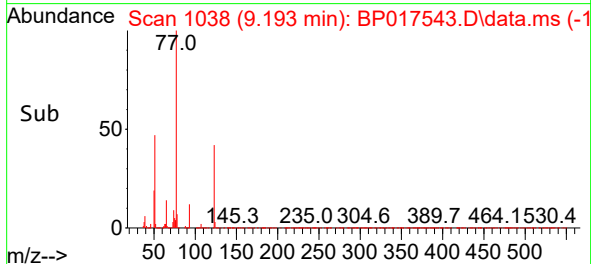
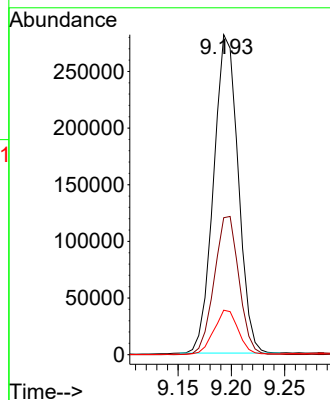
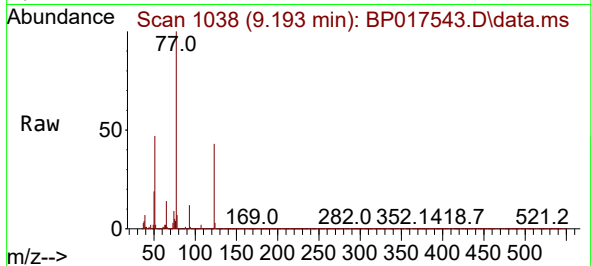




#22
Nitrobenzene
Concen: 50.825 ng/ul
RT: 9.193 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BP017543.D
Acq: 04 Oct 2023 21:07

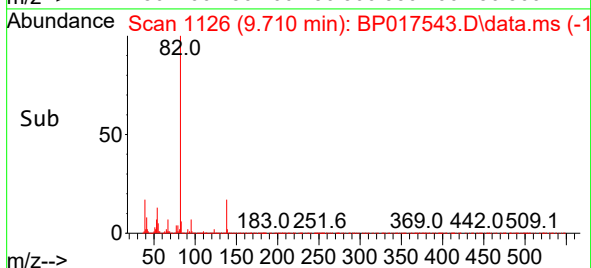
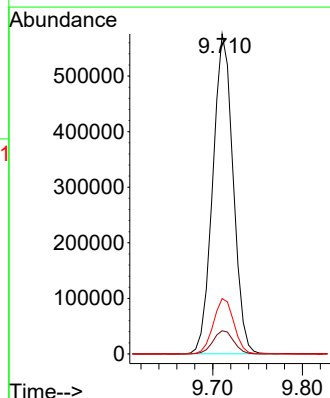
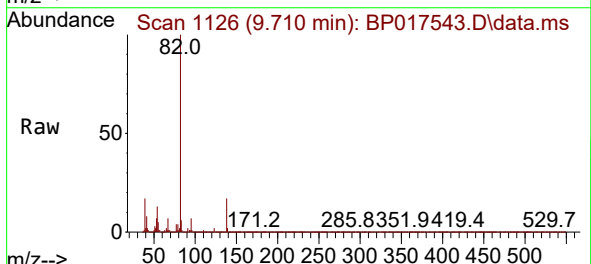
Instrument :
BNA_P
ClientSampleId :
PMW-4(20230927)MSD

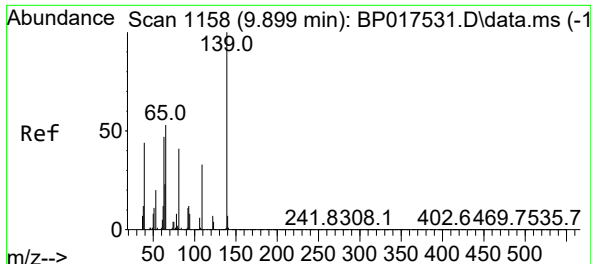
Tgt Ion: 77 Resp: 450718
Ion Ratio Lower Upper
77 100
123 42.8 35.0 52.6
65 13.9 11.0 16.4



#23
Isophorone
Concen: 55.619 ng/ul
RT: 9.710 min Scan# 1126
Delta R.T. 0.000 min
Lab File: BP017543.D
Acq: 04 Oct 2023 21:07

Tgt Ion: 82 Resp: 904938
Ion Ratio Lower Upper
82 100
95 7.3 6.3 9.5
138 17.3 14.6 21.8





#25

2-Nitrophenol

Concen: 52.025 ng/ul

RT: 9.899 min Scan# 1158

Delta R.T. 0.000 min

Lab File: BP017543.D

Acq: 04 Oct 2023 21:07

Instrument :

BNA_P

ClientSampleId :

PMW-4(20230927)MSD

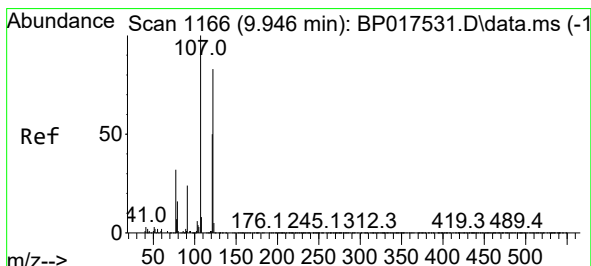
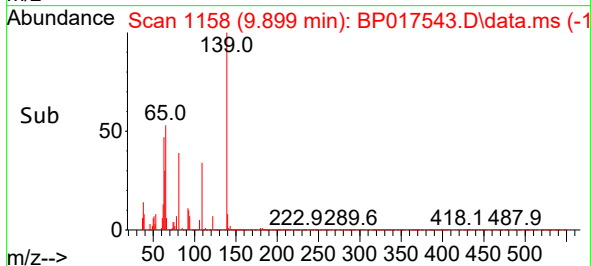
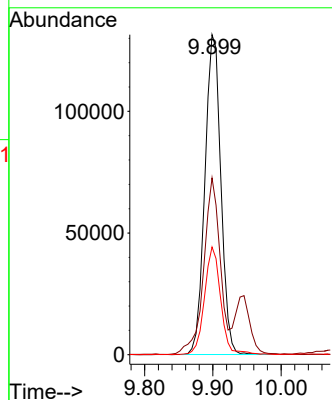
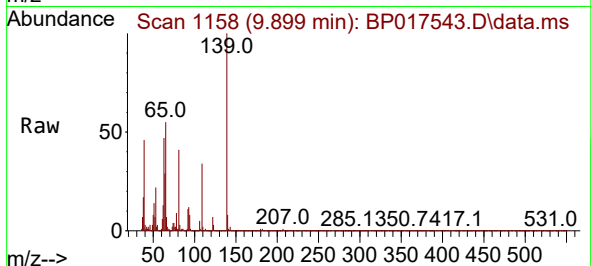
Tgt Ion:139 Resp: 214665

Ion Ratio Lower Upper

139 100

65 55.2 43.4 65.0

109 33.7 26.6 39.8



#26

2,4-Dimethylphenol

Concen: 48.565 ng/ul

RT: 9.946 min Scan# 1166

Delta R.T. 0.000 min

Lab File: BP017543.D

Acq: 04 Oct 2023 21:07

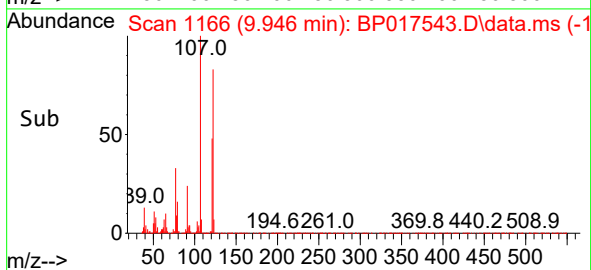
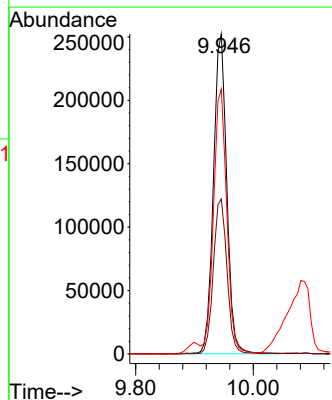
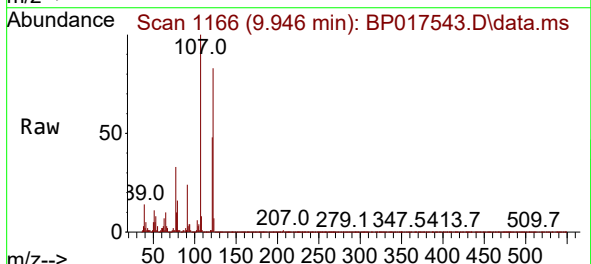
Tgt Ion:107 Resp: 397301

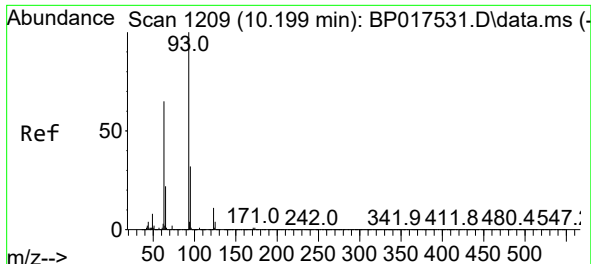
Ion Ratio Lower Upper

107 100

121 48.4 39.8 59.8

122 82.8 68.3 102.5





#27

Bis(2-Chloroethoxy)methane

Concen: 51.768 ng/ul

RT: 10.199 min Scan# 1209

Delta R.T. 0.000 min

Lab File: BP017543.D

Acq: 04 Oct 2023 21:07

Instrument :

BNA_P

ClientSampleId :

PMW-4(20230927)MSD

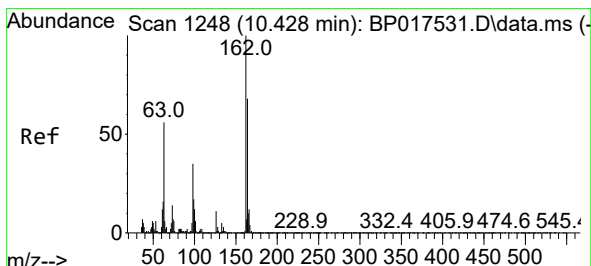
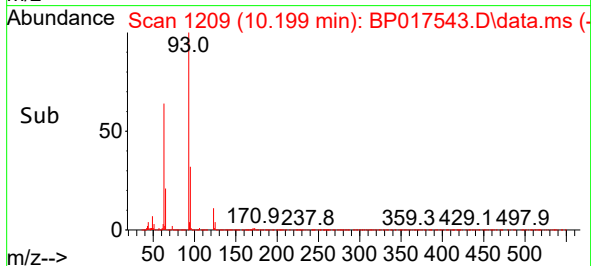
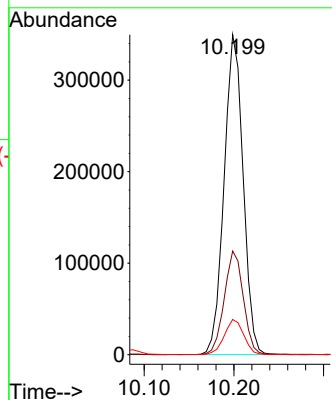
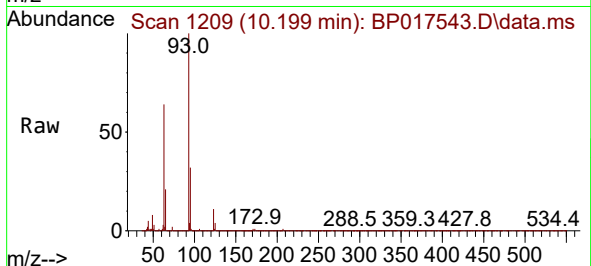
Tgt Ion: 93 Resp: 514987

Ion Ratio Lower Upper

93 100

95 32.4 26.0 39.0

123 11.0 9.0 13.6



#29

2,4-Dichlorophenol

Concen: 54.158 ng/ul

RT: 10.422 min Scan# 1247

Delta R.T. -0.006 min

Lab File: BP017543.D

Acq: 04 Oct 2023 21:07

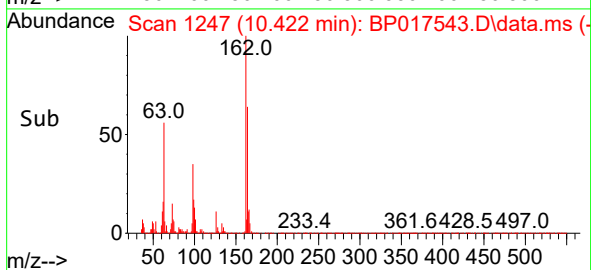
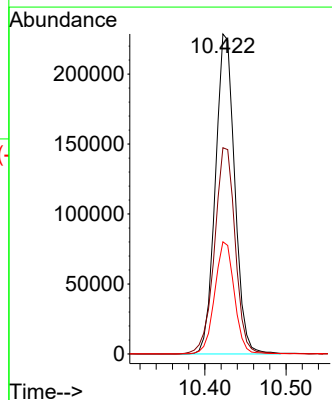
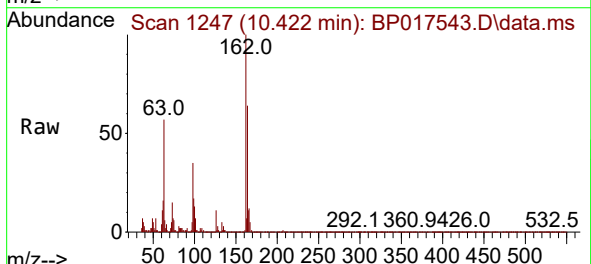
Tgt Ion:162 Resp: 379100

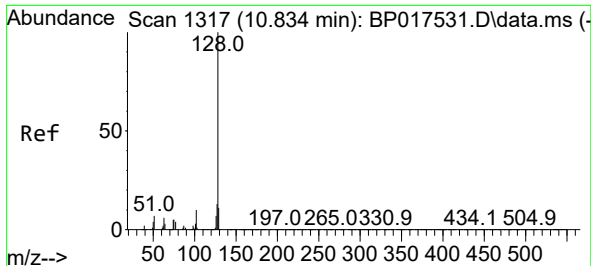
Ion Ratio Lower Upper

162 100

164 64.5 54.4 81.6

98 35.1 28.2 42.4

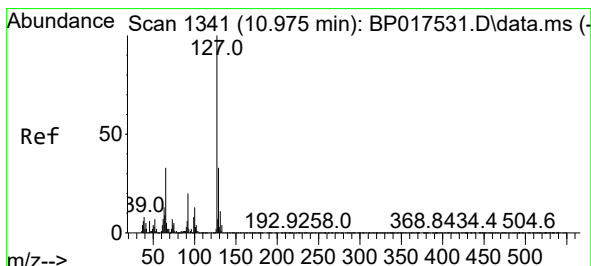
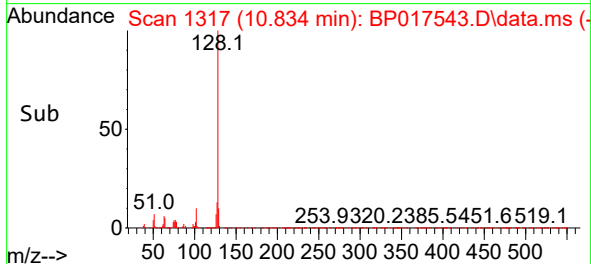
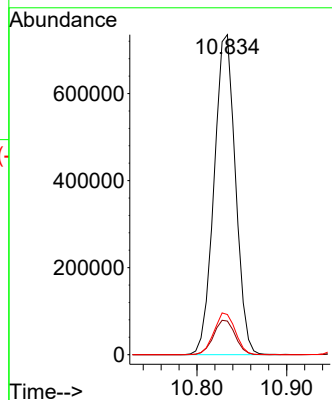
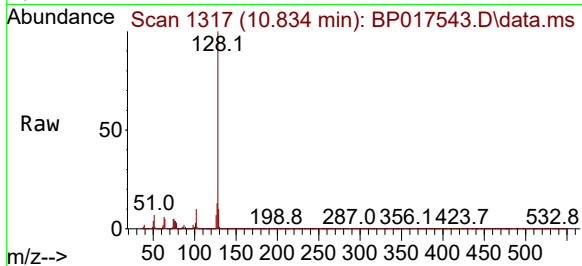




#30
Naphthalene
Concen: 50.826 ng/ul
RT: 10.834 min Scan# 1317
Delta R.T. 0.000 min
Lab File: BP017543.D
Acq: 04 Oct 2023 21:07

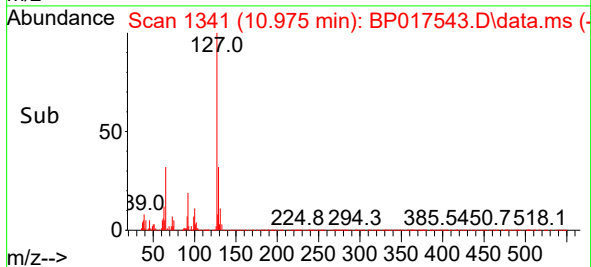
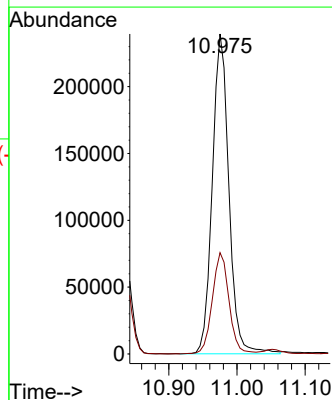
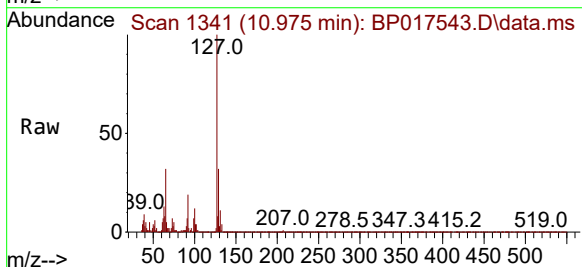
Instrument :
BNA_P
ClientSampleId :
PMW-4(20230927)MSD

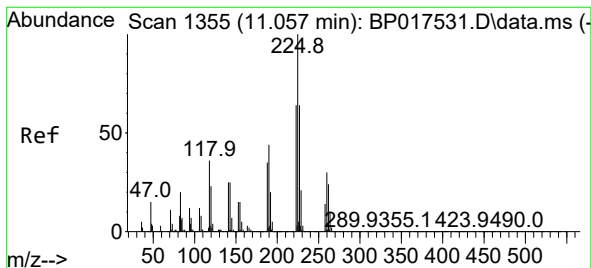
Tgt Ion:128 Resp: 1215302
Ion Ratio Lower Upper
128 100
129 10.5 8.6 13.0
127 12.5 10.2 15.4



#32
4-Chloroaniline
Concen: 41.335 ng/ul
RT: 10.975 min Scan# 1341
Delta R.T. 0.000 min
Lab File: BP017543.D
Acq: 04 Oct 2023 21:07

Tgt Ion:127 Resp: 405192
Ion Ratio Lower Upper
127 100
129 31.7 26.2 39.4





#33

Hexachlorobutadiene

Concen: 49.092 ng/ul

RT: 11.057 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP017543.D

Acq: 04 Oct 2023 21:07

Instrument :

BNA_P

ClientSampleId :

PMW-4(20230927)MSD

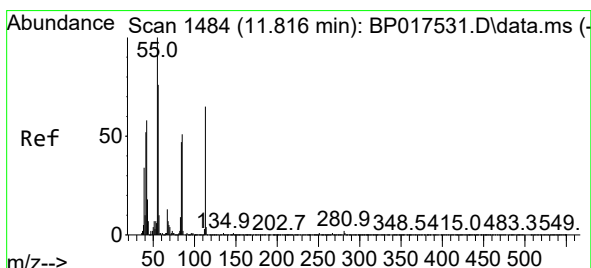
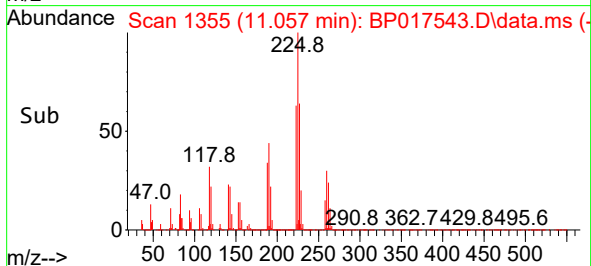
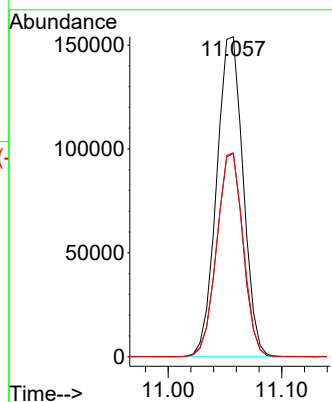
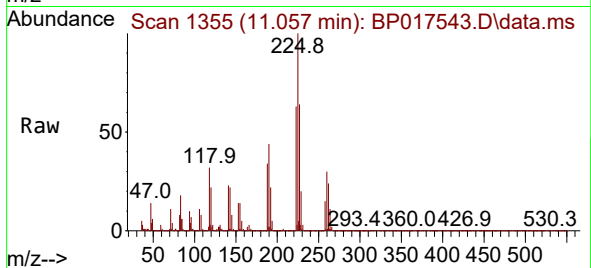
Tgt Ion:225 Resp: 249555

Ion Ratio Lower Upper

225 100

223 63.5 51.5 77.3

227 63.7 51.4 77.0



#34

Caprolactam

Concen: 16.806 ng/ul

RT: 11.869 min Scan# 1493

Delta R.T. 0.053 min

Lab File: BP017543.D

Acq: 04 Oct 2023 21:07

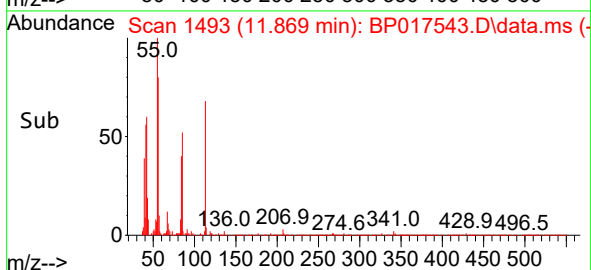
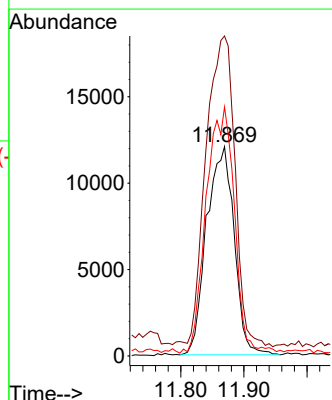
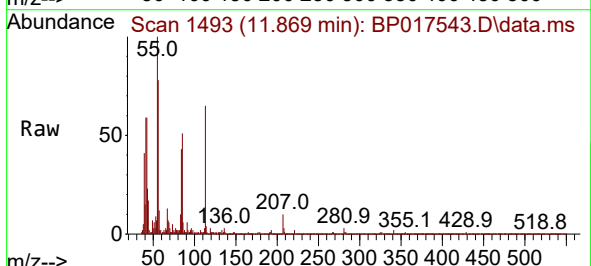
Tgt Ion:113 Resp: 36507

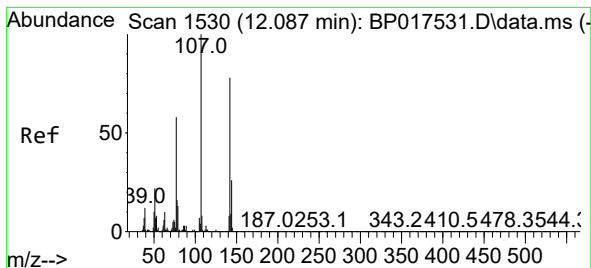
Ion Ratio Lower Upper

113 100

55 152.9 124.6 187.0

56 118.9 94.7 142.1

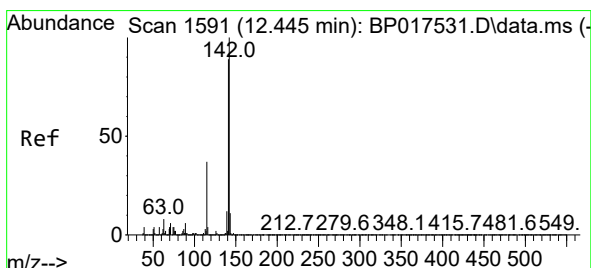
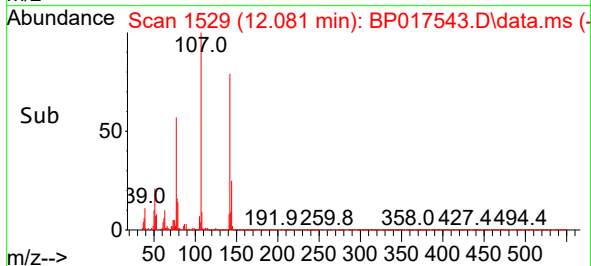
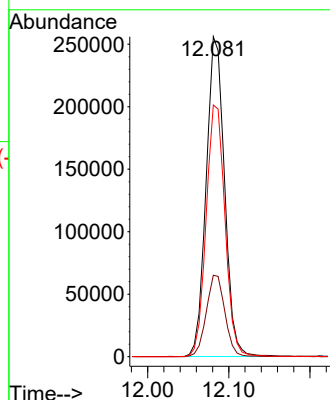
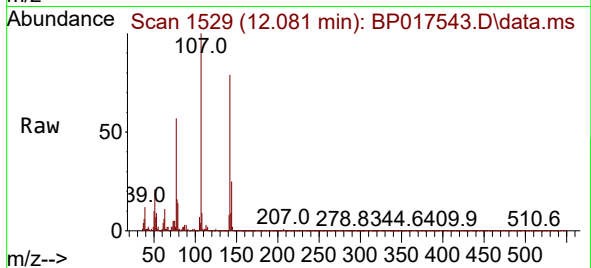




#35
4-Chloro-3-methylphenol
Concen: 54.425 ng/ul
RT: 12.081 min Scan# 1529
Delta R.T. -0.006 min
Lab File: BP017543.D
Acq: 04 Oct 2023 21:07

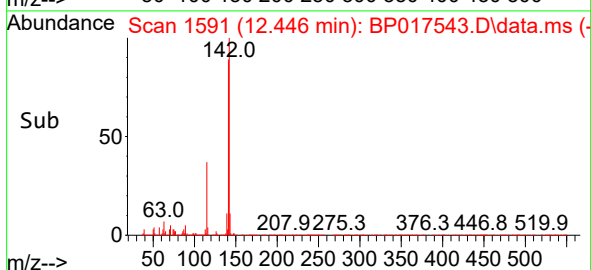
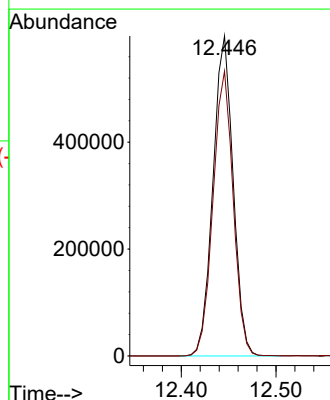
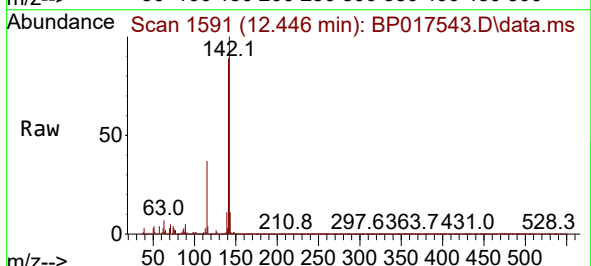
Instrument :
BNA_P
ClientSampleId :
PMW-4(20230927)MSD

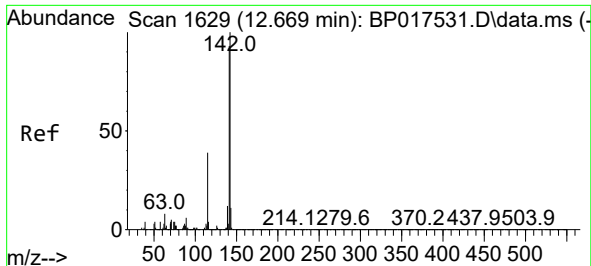
Tgt Ion:107 Resp: 402075
Ion Ratio Lower Upper
107 100
144 25.5 20.8 31.2
142 78.6 62.3 93.5



#36
2-Methylnaphthalene
Concen: 54.087 ng/ul
RT: 12.446 min Scan# 1591
Delta R.T. 0.000 min
Lab File: BP017543.D
Acq: 04 Oct 2023 21:07

Tgt Ion:142 Resp: 883699
Ion Ratio Lower Upper
142 100
141 89.0 71.4 107.2





#37

1-Methylnaphthalene

Concen: 52.571 ng/ul

RT: 12.663 min Scan# 1628

Delta R.T. -0.006 min

Lab File: BP017543.D

Acq: 04 Oct 2023 21:07

Instrument :

BNA_P

ClientSampleId :

PMW-4(20230927)MSD

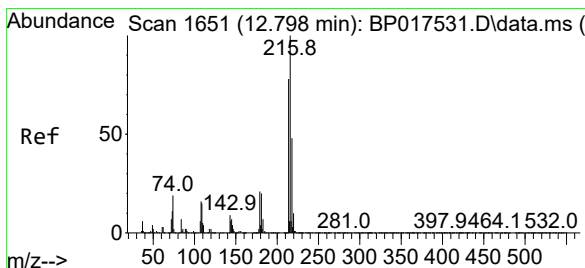
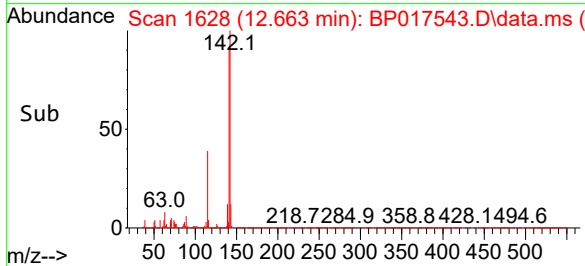
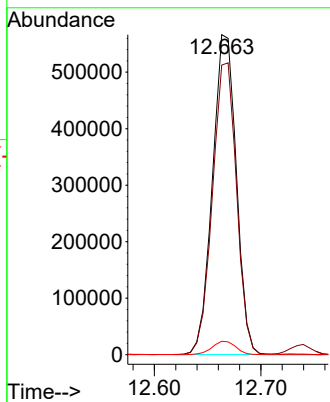
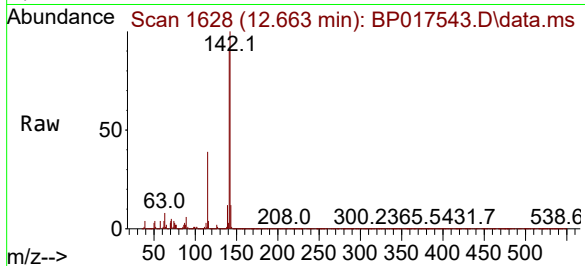
Tgt Ion:142 Resp: 881257

Ion Ratio Lower Upper

142 100

141 90.5 74.1 111.1

116 4.2 3.4 5.0



#39

1,2,4,5-Tetrachlorobenzene

Concen: 52.950 ng/ul

RT: 12.799 min Scan# 1651

Delta R.T. 0.000 min

Lab File: BP017543.D

Acq: 04 Oct 2023 21:07

Tgt Ion:216 Resp: 498729

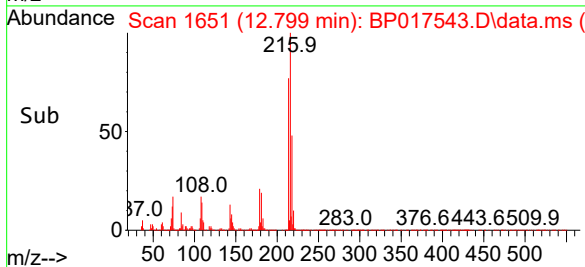
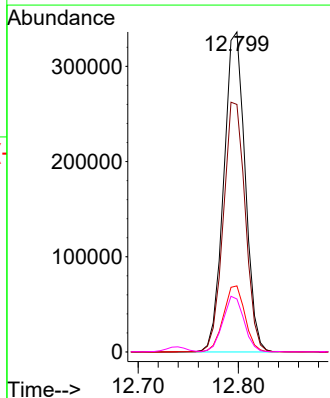
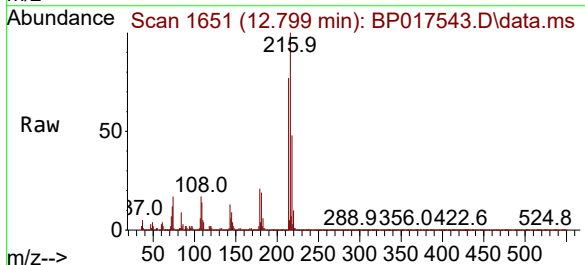
Ion Ratio Lower Upper

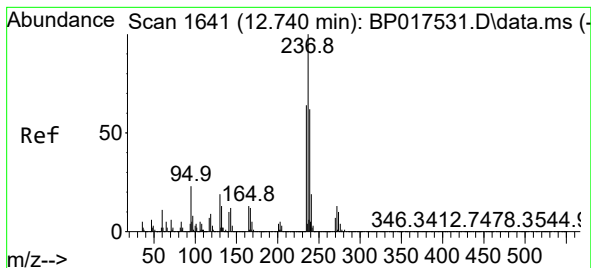
216 100

214 77.3 62.6 94.0

179 20.7 17.1 25.7

108 16.6 13.7 20.5





#40

Hexachlorocyclopentadiene

Concen: 38.430 ng/ul

RT: 12.740 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP017543.D

Acq: 04 Oct 2023 21:07

Instrument :

BNA_P

ClientSampleId :

PMW-4(20230927)MSD

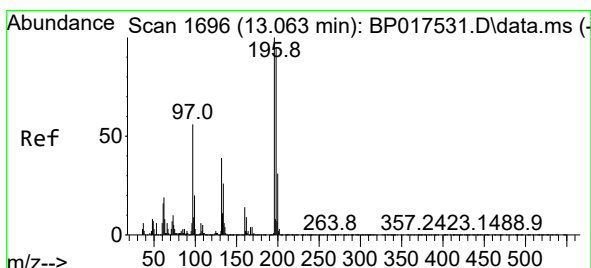
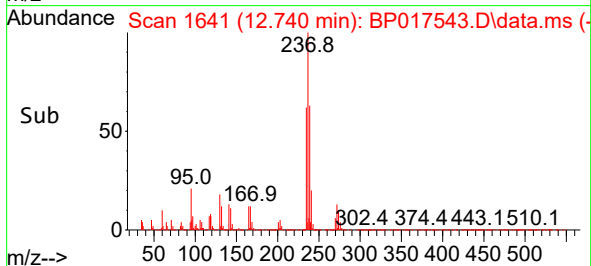
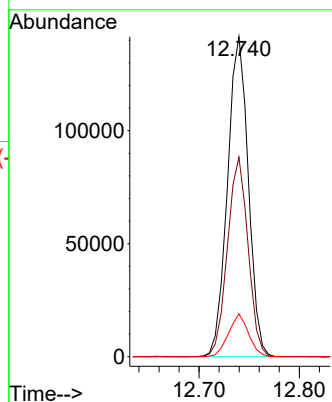
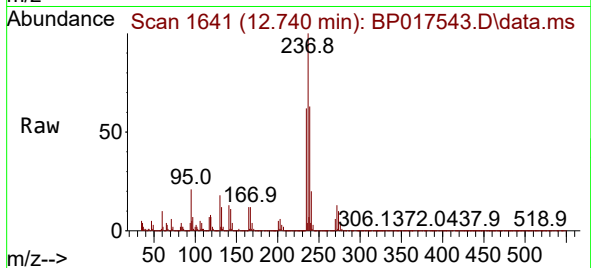
Tgt Ion:237 Resp: 204154

Ion Ratio Lower Upper

237 100

235 62.4 51.4 77.0

272 14.0 10.7 16.1



#41

2,4,6-Trichlorophenol

Concen: 62.524 ng/ul

RT: 13.057 min Scan# 1695

Delta R.T. -0.006 min

Lab File: BP017543.D

Acq: 04 Oct 2023 21:07

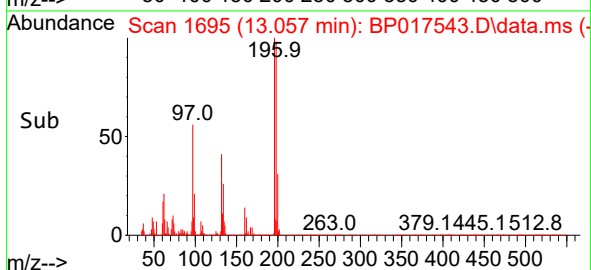
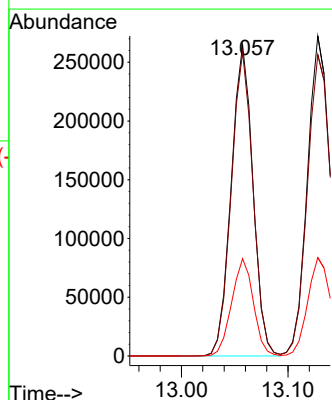
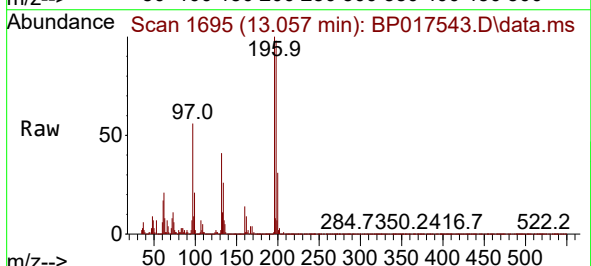
Tgt Ion:196 Resp: 375305

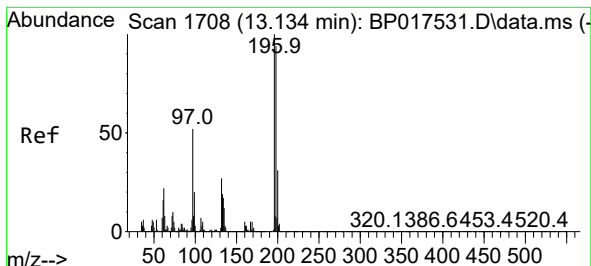
Ion Ratio Lower Upper

196 100

198 97.7 76.3 114.5

200 31.3 25.0 37.4





#42

2,4,5-Trichlorophenol

Concen: 65.179 ng/ul

RT: 13.128 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP017543.D

Acq: 04 Oct 2023 21:07

Instrument :

BNA_P

ClientSampleId :

PMW-4(20230927)MSD

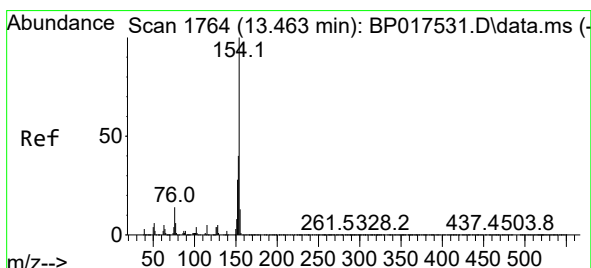
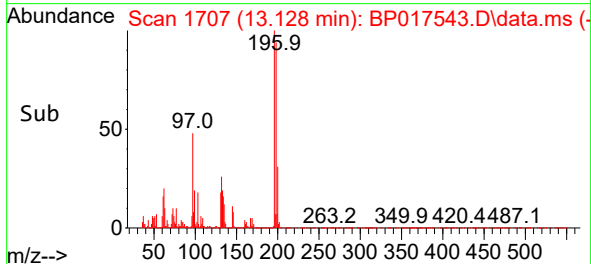
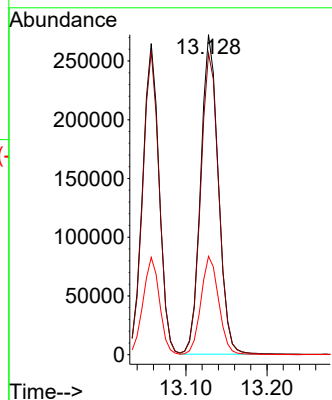
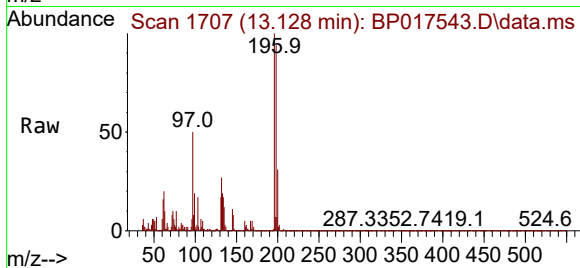
Tgt Ion:196 Resp: 411955

Ion Ratio Lower Upper

196 100

198 94.2 75.4 113.2

200 30.8 24.9 37.3



#43

1,1'-Biphenyl

Concen: 56.539 ng/ul

RT: 13.463 min Scan# 1764

Delta R.T. 0.000 min

Lab File: BP017543.D

Acq: 04 Oct 2023 21:07

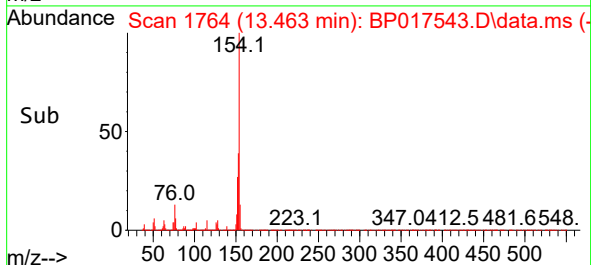
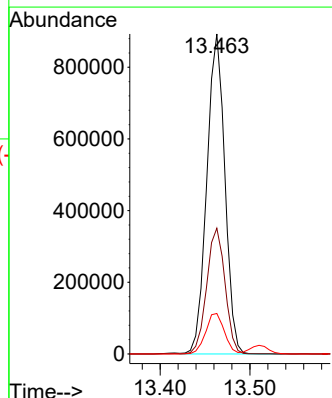
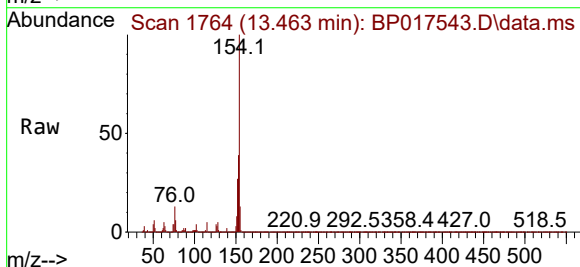
Tgt Ion:154 Resp: 1244256

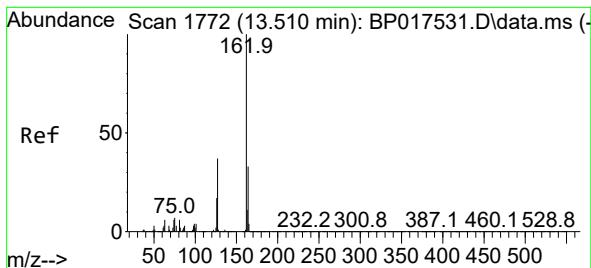
Ion Ratio Lower Upper

154 100

153 39.3 32.2 48.4

76 12.6 11.0 16.4





#44

2-Chloronaphthalene

Concen: 56.193 ng/ul

RT: 13.510 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP017543.D

Acq: 04 Oct 2023 21:07

Instrument :

BNA_P

ClientSampleId :

PMW-4(20230927)MSD

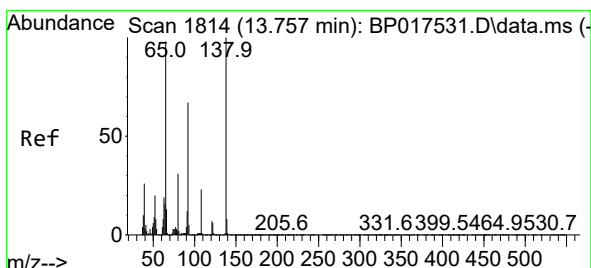
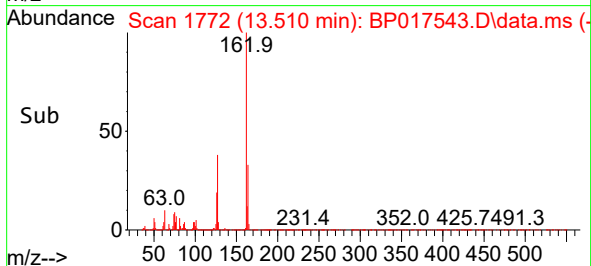
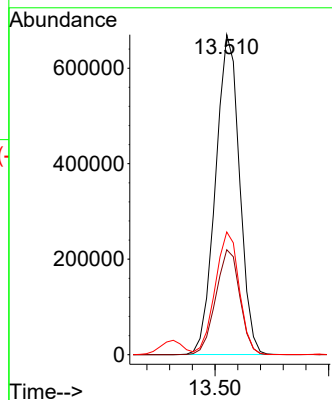
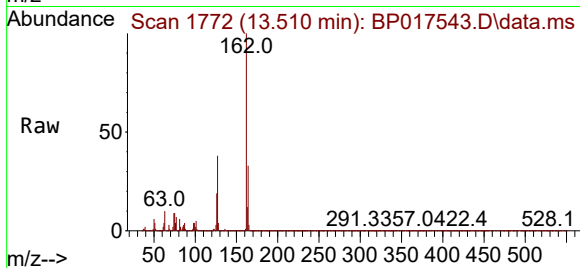
Tgt Ion:162 Resp: 983202

Ion Ratio Lower Upper

162 100

164 32.8 26.0 39.0

127 38.3 31.2 46.8



#45

2-Nitroaniline

Concen: 69.937 ng/ul

RT: 13.757 min Scan# 1814

Delta R.T. 0.000 min

Lab File: BP017543.D

Acq: 04 Oct 2023 21:07

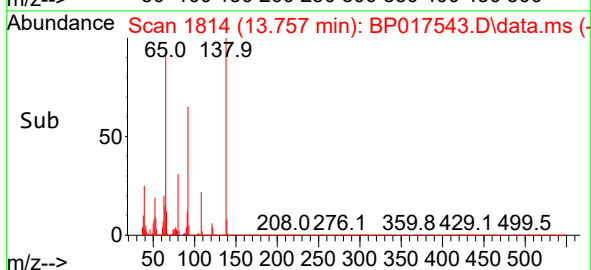
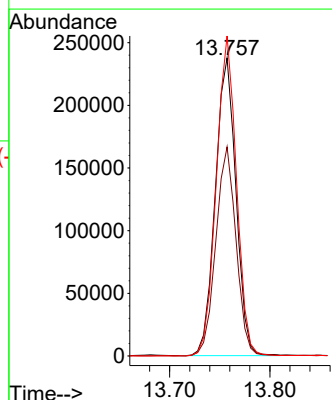
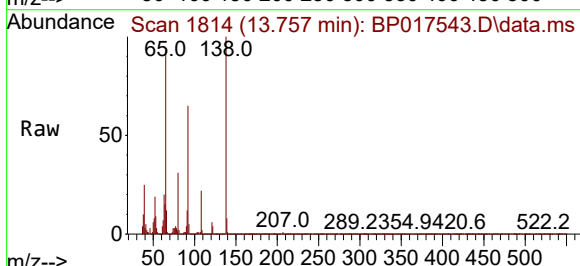
Tgt Ion: 65 Resp: 340033

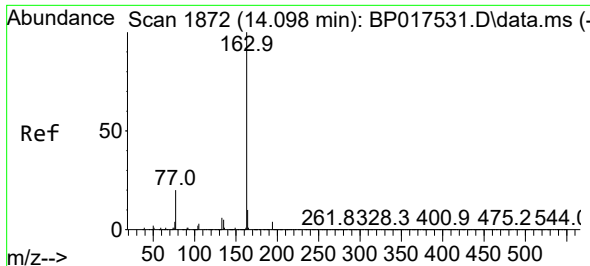
Ion Ratio Lower Upper

65 100

92 70.1 54.7 82.1

138 107.3 81.4 122.2

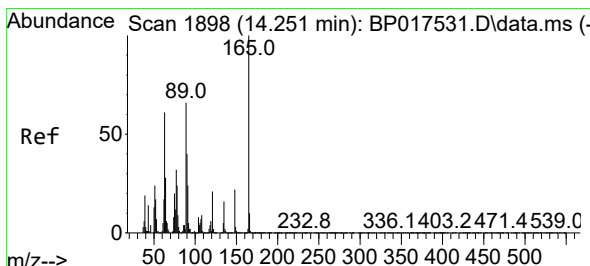
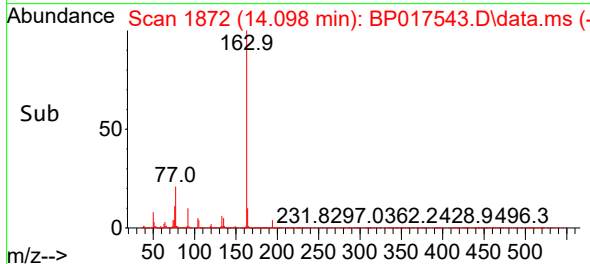
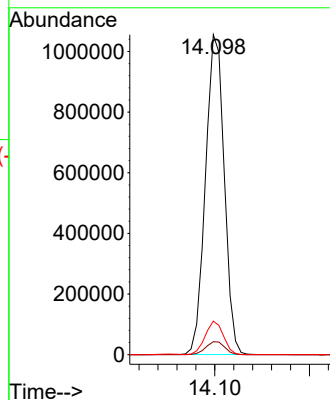
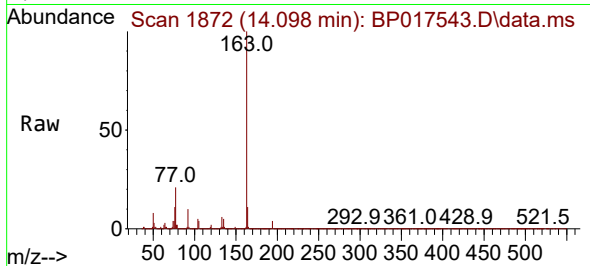




#47
Dimethylphthalate
Concen: 64.166 ng/ul
RT: 14.098 min Scan# 1872
Delta R.T. 0.000 min
Lab File: BP017543.D
Acq: 04 Oct 2023 21:07

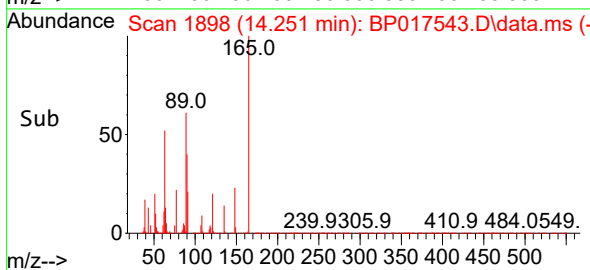
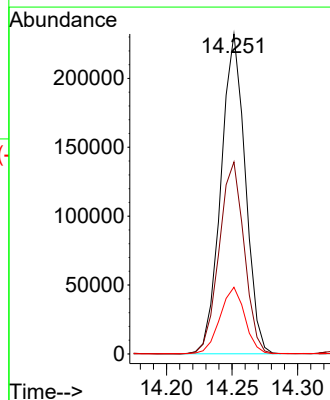
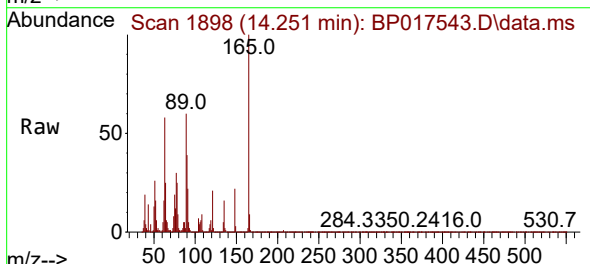
Instrument :
BNA_P
ClientSampleId :
PMW-4(20230927)MSD

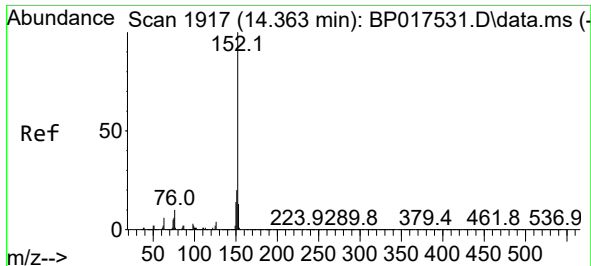
Tgt Ion:163 Resp: 1446225
Ion Ratio Lower Upper
163 100
194 4.1 3.1 4.7
164 10.5 8.0 12.0



#48
2,6-Dinitrotoluene
Concen: 71.267 ng/ul
RT: 14.251 min Scan# 1898
Delta R.T. 0.000 min
Lab File: BP017543.D
Acq: 04 Oct 2023 21:07

Tgt Ion:165 Resp: 299318
Ion Ratio Lower Upper
165 100
89 60.0 52.6 78.8
121 20.8 16.7 25.1

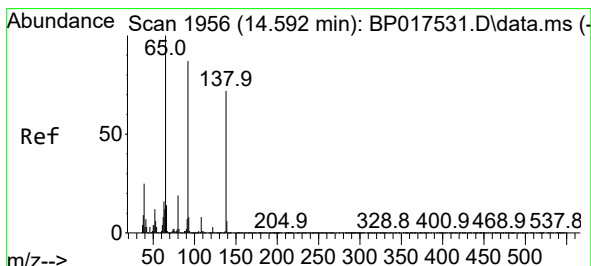
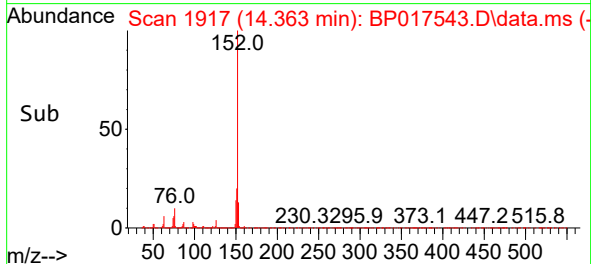
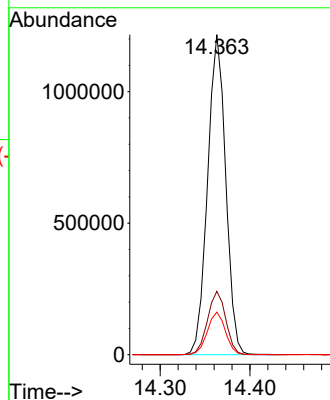
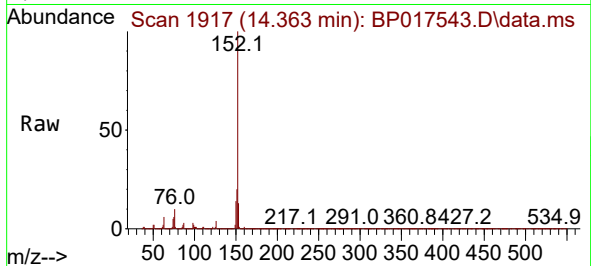




#50
Acenaphthylene
Concen: 59.548 ng/ul
RT: 14.363 min Scan# 1917
Delta R.T. 0.000 min
Lab File: BP017543.D
Acq: 04 Oct 2023 21:07

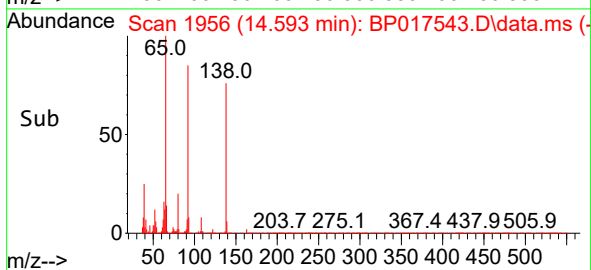
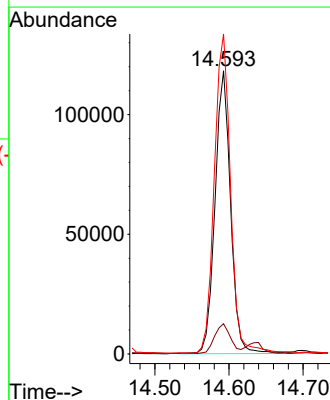
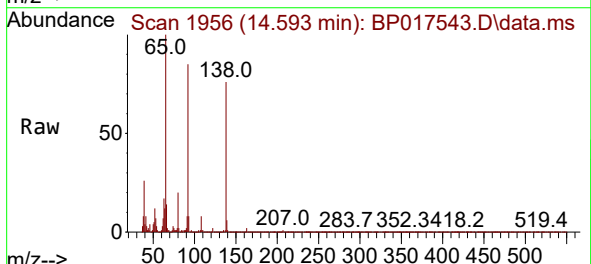
Instrument :
BNA_P
ClientSampleId :
PMW-4(20230927)MSD

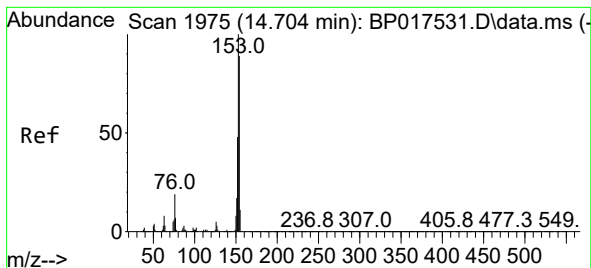
Tgt Ion:152 Resp: 1702844
Ion Ratio Lower Upper
152 100
151 19.8 15.6 23.4
153 13.3 10.5 15.7



#51
3-Nitroaniline
Concen: 43.049 ng/ul
RT: 14.593 min Scan# 1956
Delta R.T. 0.000 min
Lab File: BP017543.D
Acq: 04 Oct 2023 21:07

Tgt Ion:138 Resp: 172360
Ion Ratio Lower Upper
138 100
108 10.7 9.3 13.9
92 113.0 96.4 144.6





#52

Acenaphthene

Concen: 59.649 ng/ul

RT: 14.698 min Scan# 1974

Delta R.T. -0.006 min

Lab File: BP017543.D

Acq: 04 Oct 2023 21:07

Instrument :

BNA_P

ClientSampleId :

PMW-4(20230927)MSD

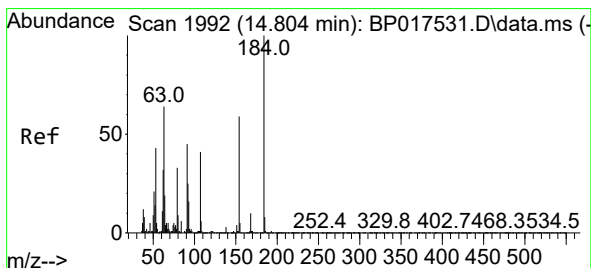
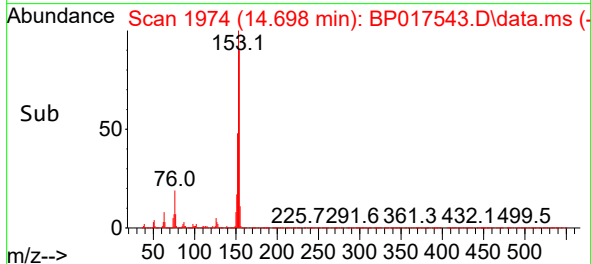
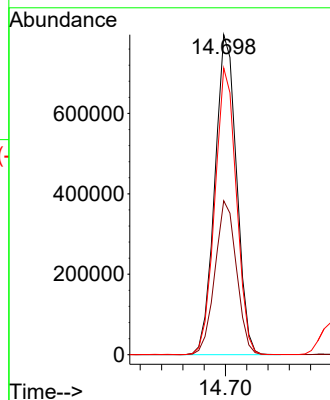
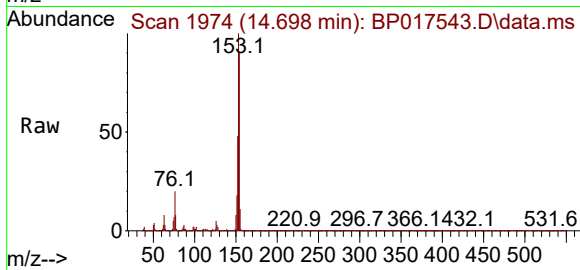
Tgt Ion:153 Resp: 1125899

Ion Ratio Lower Upper

153 100

152 48.1 38.3 57.5

154 89.6 71.4 107.0



#53

2,4-Dinitrophenol

Concen: 67.548 ng/ul

RT: 14.798 min Scan# 1991

Delta R.T. -0.006 min

Lab File: BP017543.D

Acq: 04 Oct 2023 21:07

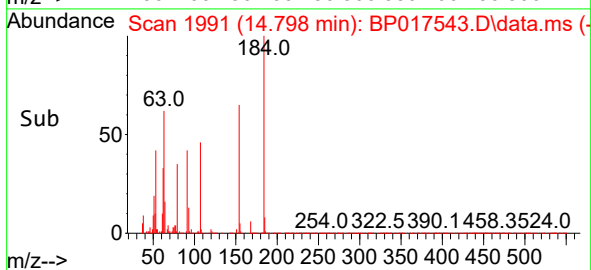
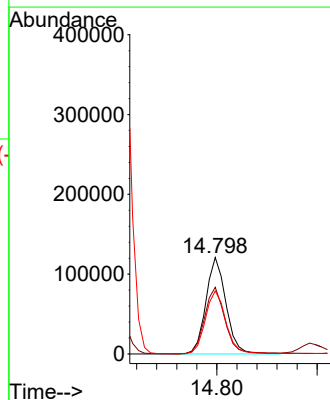
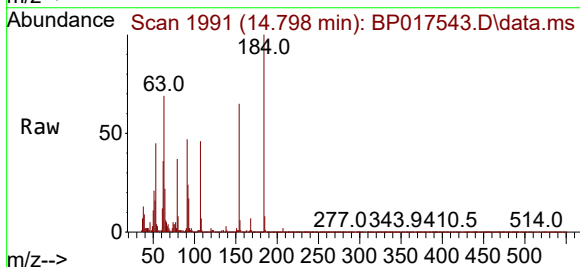
Tgt Ion:184 Resp: 167933

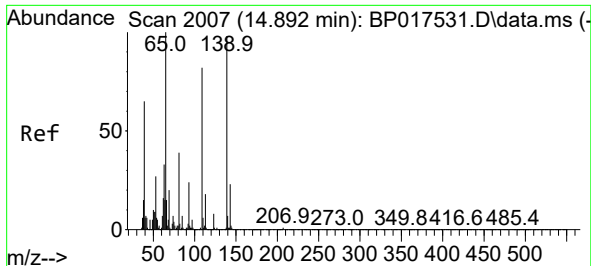
Ion Ratio Lower Upper

184 100

63 69.1 51.1 76.7

154 65.3 47.5 71.3

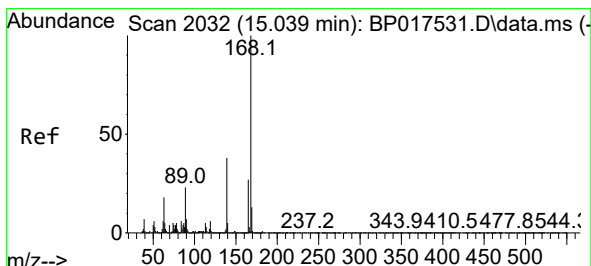
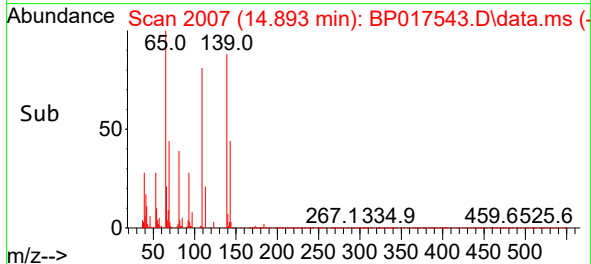
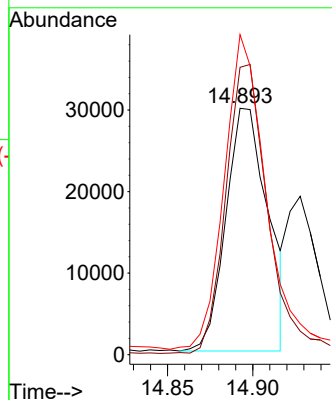
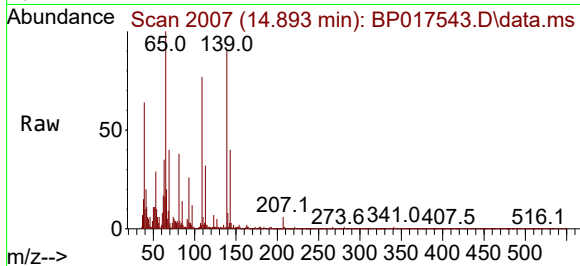




#55
4-Nitrophenol
Concen: 14.522 ng/ul
RT: 14.893 min Scan# 2007
Delta R.T. 0.000 min
Lab File: BP017543.D
Acq: 04 Oct 2023 21:07

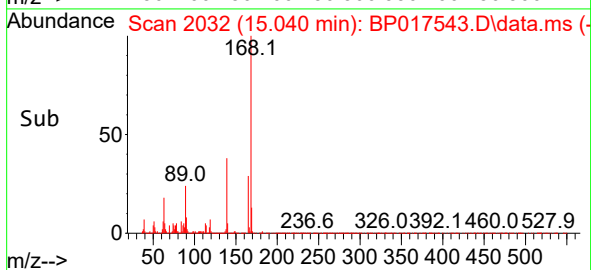
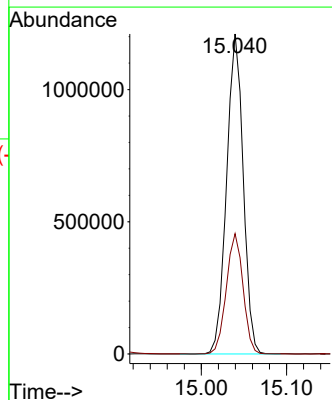
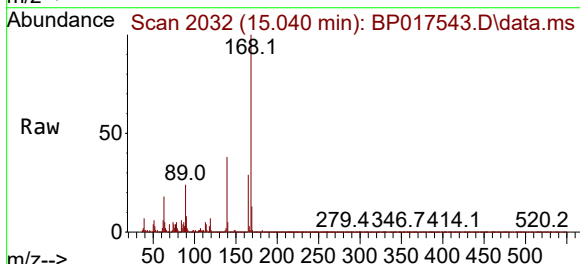
Instrument :
BNA_P
ClientSampleId :
PMW-4(20230927)MSD

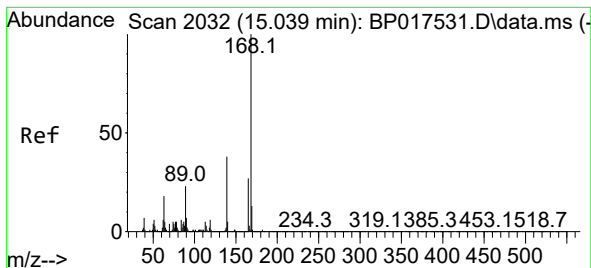
Tgt Ion:109 Resp: 51208
Ion Ratio Lower Upper
109 100
139 116.6 95.5 143.3
65 129.9 97.9 146.9



#56
Dibenzofuran
Concen: 61.637 ng/ul
RT: 15.040 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BP017543.D
Acq: 04 Oct 2023 21:07

Tgt Ion:168 Resp: 1637392
Ion Ratio Lower Upper
168 100
139 37.6 30.6 45.8

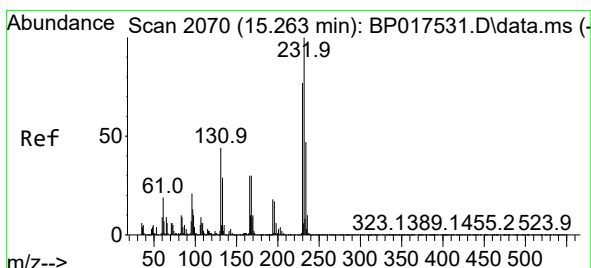
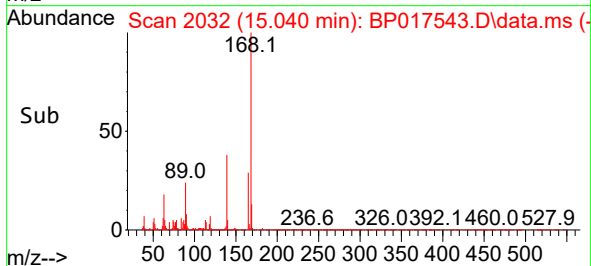
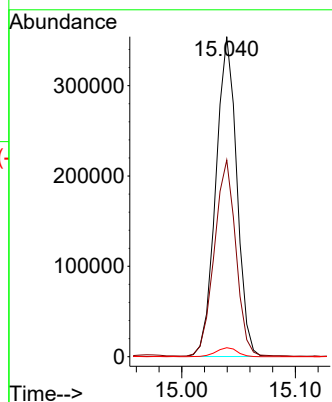
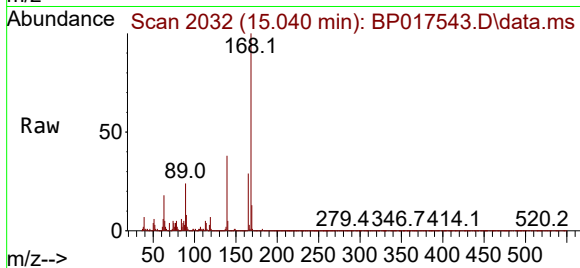




#57
2,4-Dinitrotoluene
Concen: 72.460 ng/ul
RT: 15.040 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BP017543.D
Acq: 04 Oct 2023 21:07

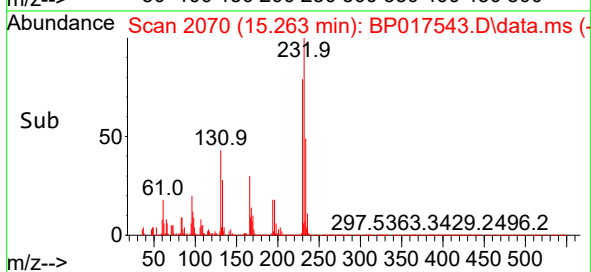
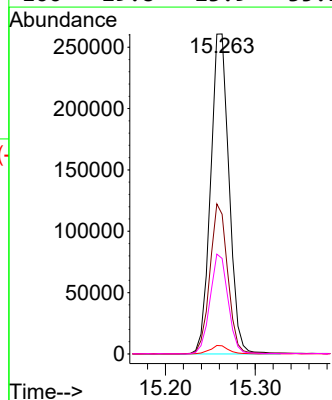
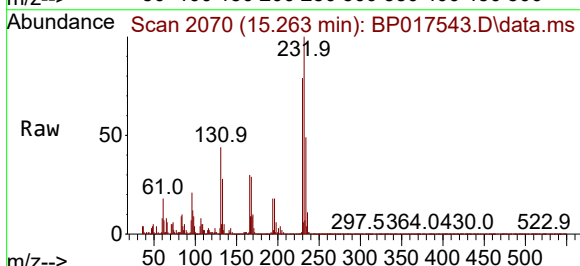
Instrument :
BNA_P
ClientSampleId :
PMW-4(20230927)MSD

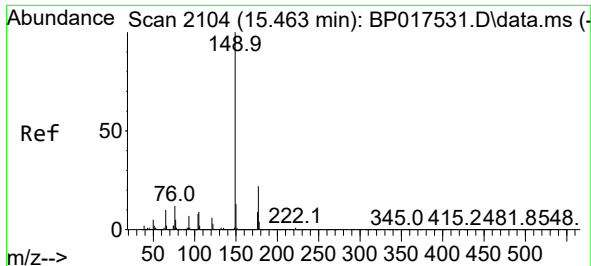
Tgt Ion:165 Resp: 454224
Ion Ratio Lower Upper
165 100
63 61.4 53.4 80.0
182 2.8 2.4 3.6



#58
2,3,4,6-Tetrachlorophenol
Concen: 66.494 ng/ul
RT: 15.263 min Scan# 2070
Delta R.T. 0.000 min
Lab File: BP017543.D
Acq: 04 Oct 2023 21:07

Tgt Ion:232 Resp: 371970
Ion Ratio Lower Upper
232 100
131 43.6 35.0 52.6
130 2.5 1.9 2.9
166 29.8 23.9 35.9

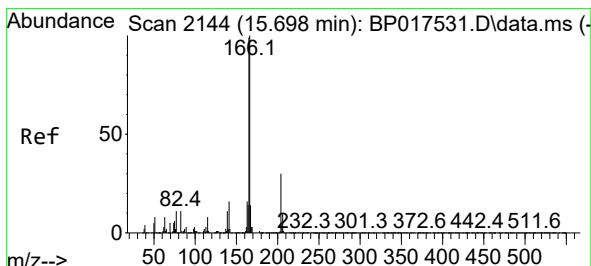
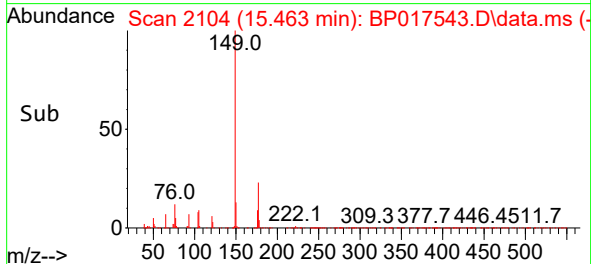
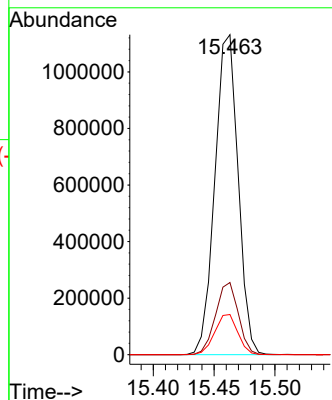
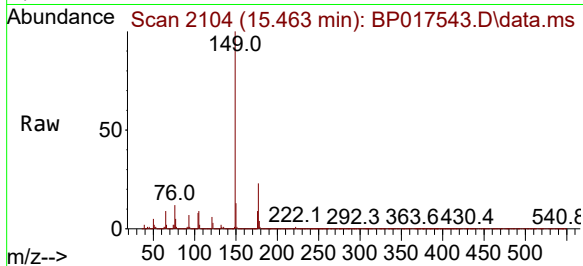




#59
Diethylphthalate
Concen: 66.428 ng/ul
RT: 15.463 min Scan# 2104
Delta R.T. 0.000 min
Lab File: BP017543.D
Acq: 04 Oct 2023 21:07

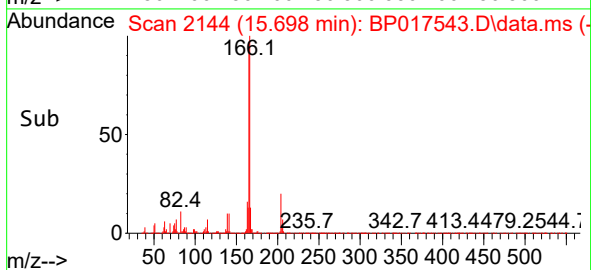
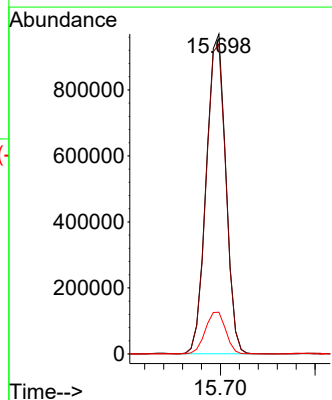
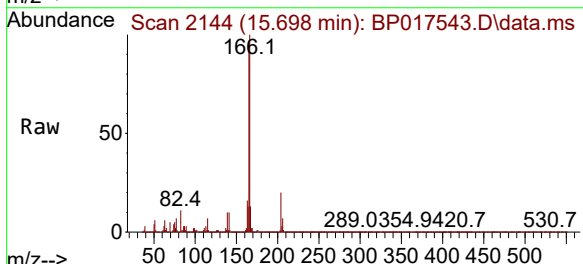
Instrument :
BNA_P
ClientSampleId :
PMW-4(20230927)MSD

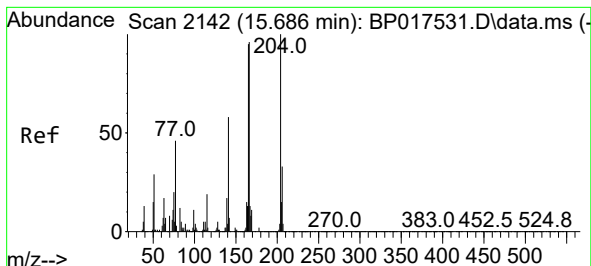
Tgt Ion:149 Resp: 1501775
Ion Ratio Lower Upper
149 100
177 22.5 17.8 26.6
150 12.5 10.2 15.4



#61
Fluorene
Concen: 62.968 ng/ul
RT: 15.698 min Scan# 2144
Delta R.T. 0.000 min
Lab File: BP017543.D
Acq: 04 Oct 2023 21:07

Tgt Ion:166 Resp: 1381512
Ion Ratio Lower Upper
166 100
165 96.9 78.9 118.3
167 13.1 11.0 16.4

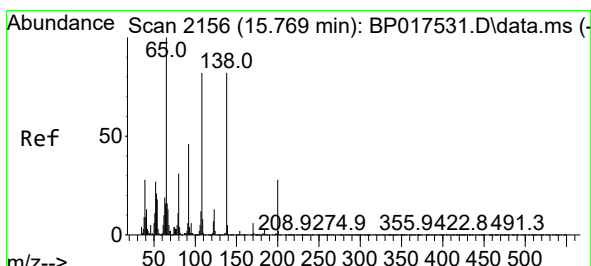
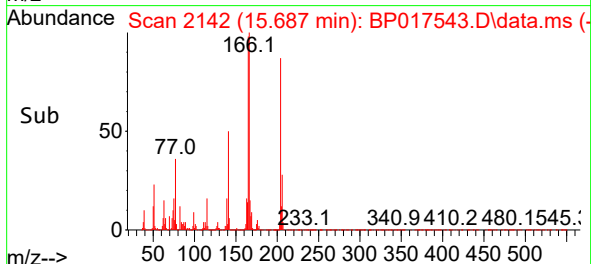
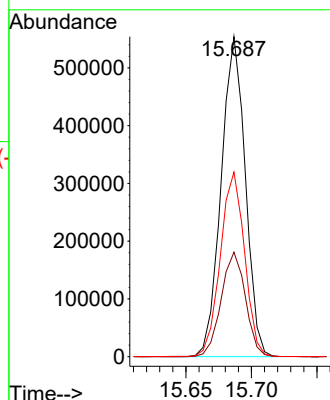
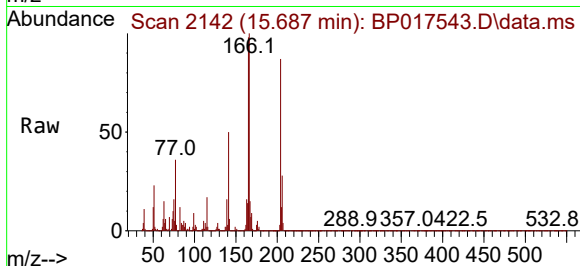




#62
4-Chlorophenyl-phenylether
Concen: 63.017 ng/ul
RT: 15.687 min Scan# 2142
Delta R.T. 0.000 min
Lab File: BP017543.D
Acq: 04 Oct 2023 21:07

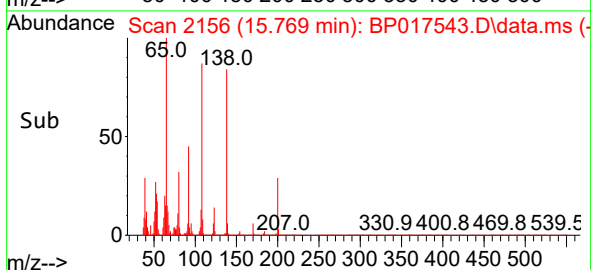
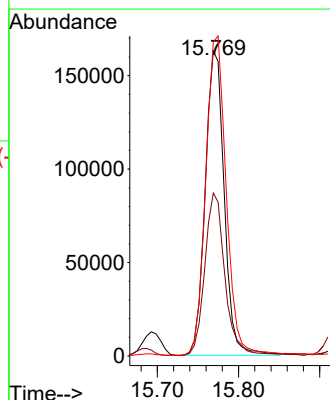
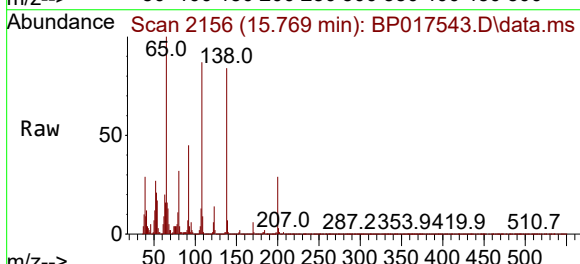
Instrument :
BNA_P
ClientSampleId :
PMW-4(20230927)MSD

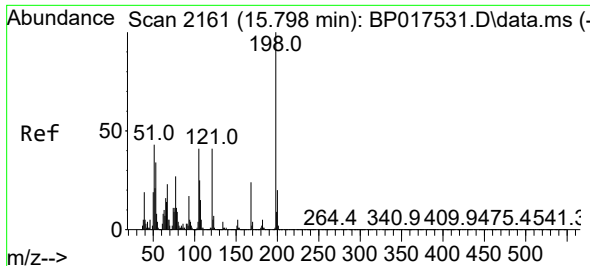
Tgt Ion:204 Resp: 708268
Ion Ratio Lower Upper
204 100
206 32.6 26.5 39.7
141 57.7 46.9 70.3



#63
4-Nitroaniline
Concen: 70.586 ng/ul
RT: 15.769 min Scan# 2156
Delta R.T. 0.000 min
Lab File: BP017543.D
Acq: 04 Oct 2023 21:07

Tgt Ion:138 Resp: 265632
Ion Ratio Lower Upper
138 100
92 53.4 44.8 67.2
108 102.9 79.7 119.5

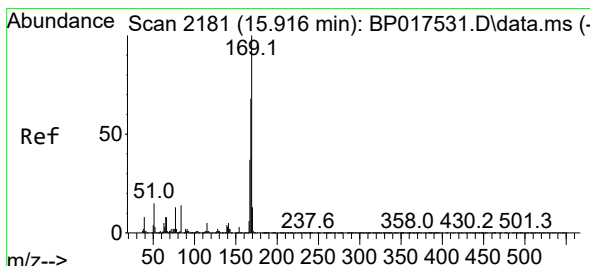
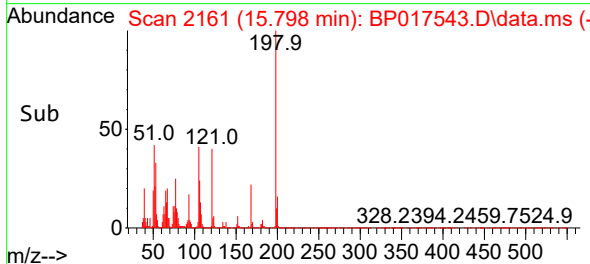
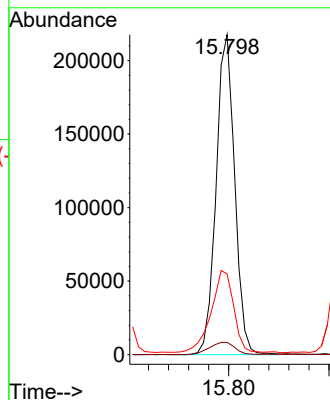
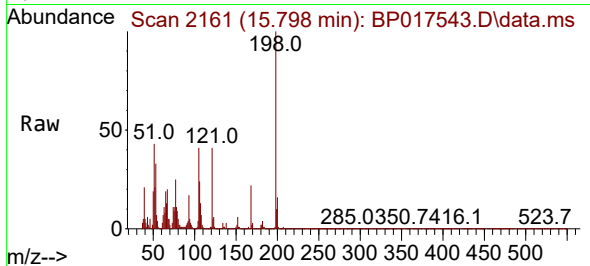




#66
4,6-Dinitro-2-methylphenol
Concen: 64.020 ng/ul
RT: 15.798 min Scan# 2161
Delta R.T. 0.000 min
Lab File: BP017543.D
Acq: 04 Oct 2023 21:07

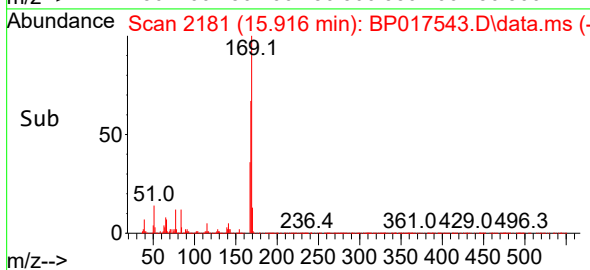
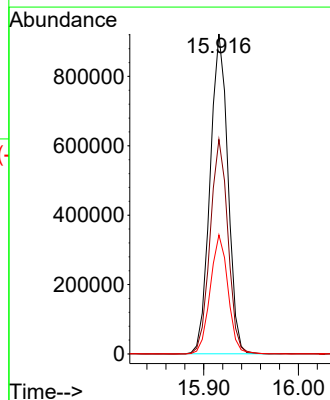
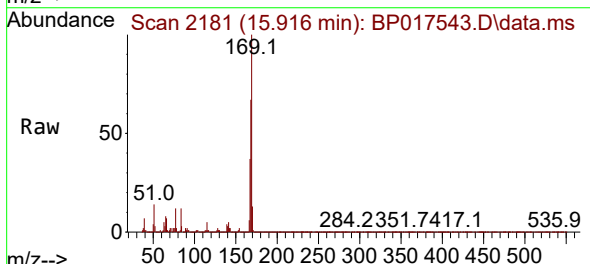
Instrument :
BNA_P
ClientSampleId :
PMW-4(20230927)MSD

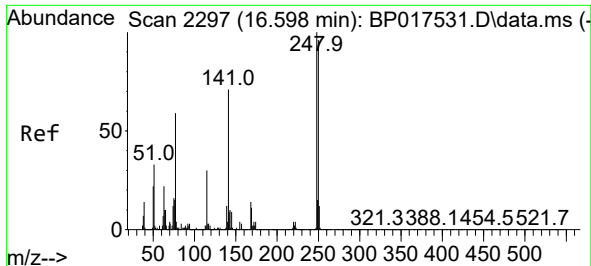
Tgt Ion:198 Resp: 278995
Ion Ratio Lower Upper
198 100
182 3.8 4.2 6.2#
77 25.2 21.6 32.4



#67
N-Nitrosodiphenylamine
Concen: 65.816 ng/ul
RT: 15.916 min Scan# 2181
Delta R.T. 0.000 min
Lab File: BP017543.D
Acq: 04 Oct 2023 21:07

Tgt Ion:169 Resp: 1204154
Ion Ratio Lower Upper
169 100
168 67.0 54.3 81.5
167 37.2 29.7 44.5

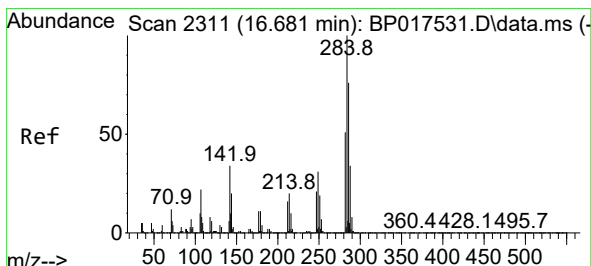
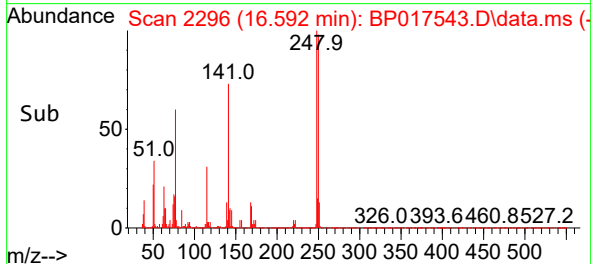
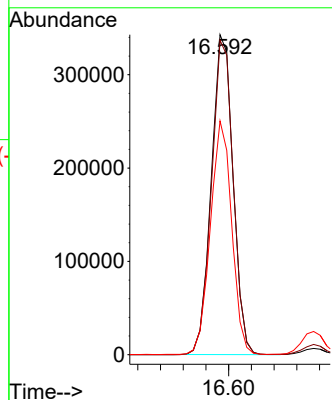
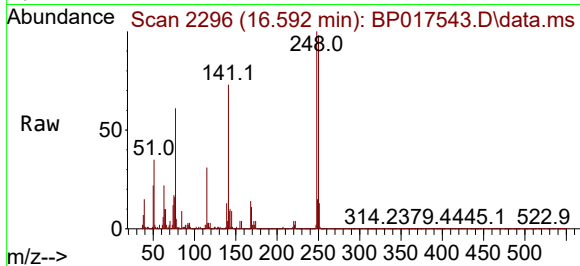




#68
4-Bromophenyl-phenylether
Concen: 65.656 ng/ul
RT: 16.592 min Scan# 2110
Delta R.T. -0.006 min
Lab File: BP017543.D
Acq: 04 Oct 2023 21:07

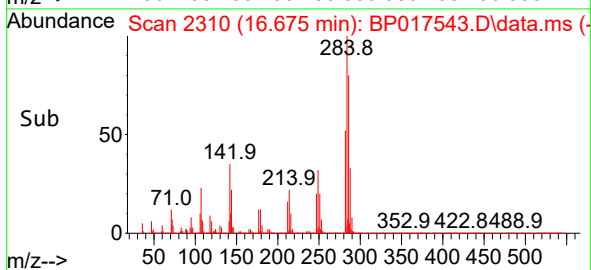
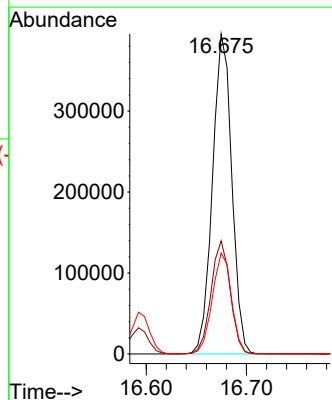
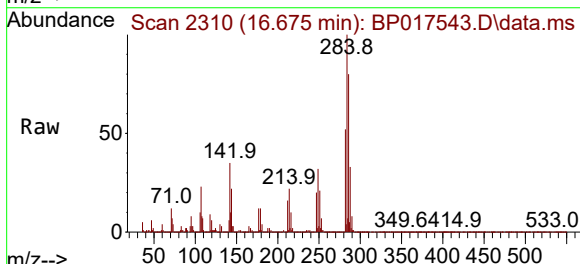
Instrument :
BNA_P
ClientSampleId :
PMW-4(20230927)MSD

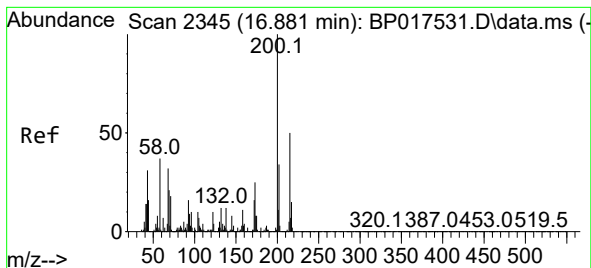
Tgt Ion:248 Resp: 454793
Ion Ratio Lower Upper
248 100
250 98.2 77.0 115.6
141 73.0 57.1 85.7



#69
Hexachlorobenzene
Concen: 64.847 ng/ul
RT: 16.675 min Scan# 2310
Delta R.T. -0.006 min
Lab File: BP017543.D
Acq: 04 Oct 2023 21:07

Tgt Ion:284 Resp: 528990
Ion Ratio Lower Upper
284 100
142 35.3 27.0 40.6
249 31.6 24.6 36.8





#70

Atrazine

Concen: 52.794 ng/ul

RT: 16.881 min Scan# 2345

Delta R.T. 0.000 min

Lab File: BP017543.D

Acq: 04 Oct 2023 21:07

Instrument :

BNA_P

ClientSampleId :

PMW-4(20230927)MSD

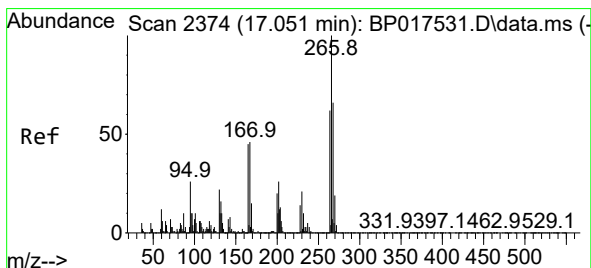
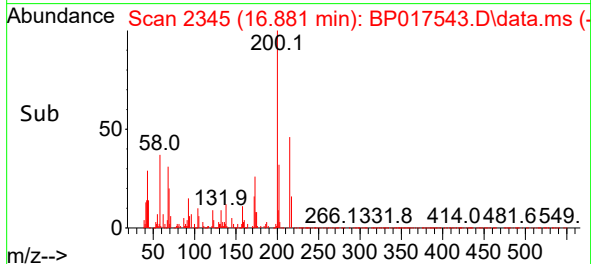
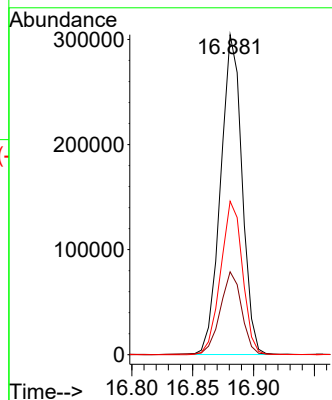
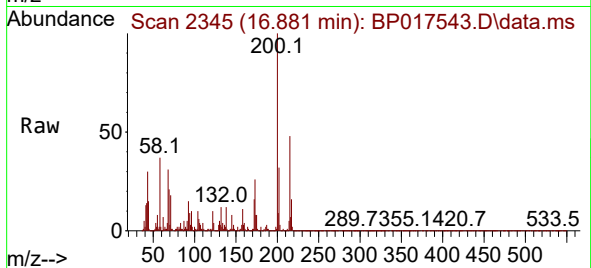
Tgt Ion:200 Resp: 373699

Ion Ratio Lower Upper

200 100

173 25.9 20.6 30.8

215 48.0 40.1 60.1



#71

Pentachlorophenol

Concen: 68.624 ng/ul

RT: 17.051 min Scan# 2374

Delta R.T. 0.000 min

Lab File: BP017543.D

Acq: 04 Oct 2023 21:07

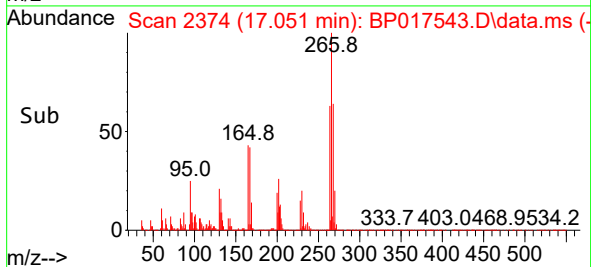
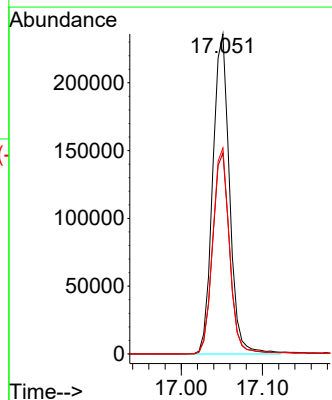
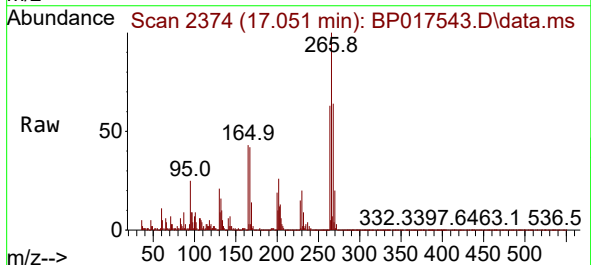
Tgt Ion:266 Resp: 338887

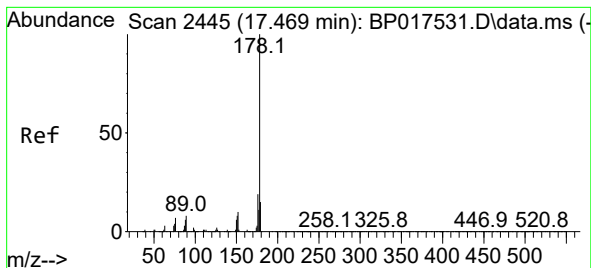
Ion Ratio Lower Upper

266 100

264 62.7 49.6 74.4

268 64.4 53.0 79.6





#72

Phenanthrene

Concen: 65.847 ng/ul

RT: 17.469 min Scan# 2445

Delta R.T. 0.000 min

Lab File: BP017543.D

Acq: 04 Oct 2023 21:07

Instrument :

BNA_P

ClientSampleId :

PMW-4(20230927)MSD

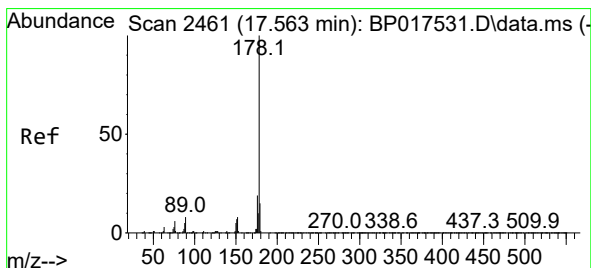
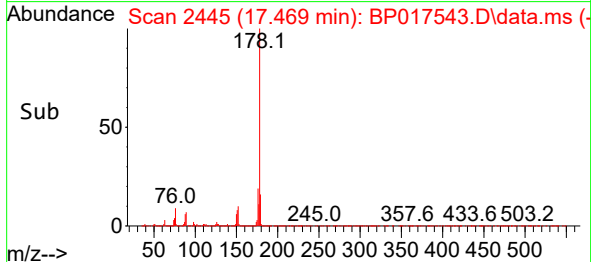
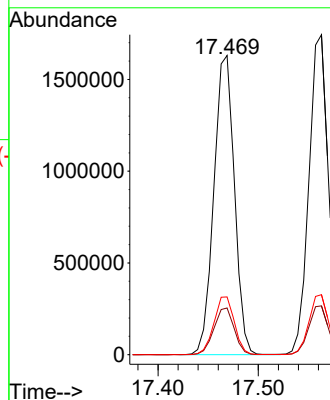
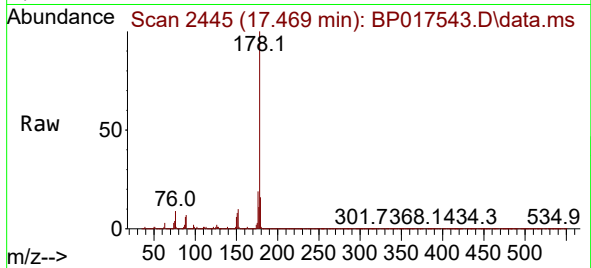
Tgt Ion:178 Resp: 2315579

Ion Ratio Lower Upper

178 100

179 15.6 12.2 18.4

176 19.3 15.2 22.8



#74

Anthracene

Concen: 65.033 ng/ul

RT: 17.563 min Scan# 2461

Delta R.T. 0.000 min

Lab File: BP017543.D

Acq: 04 Oct 2023 21:07

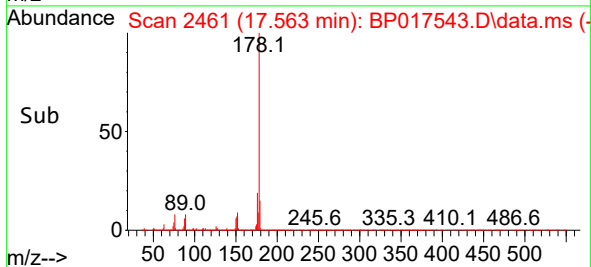
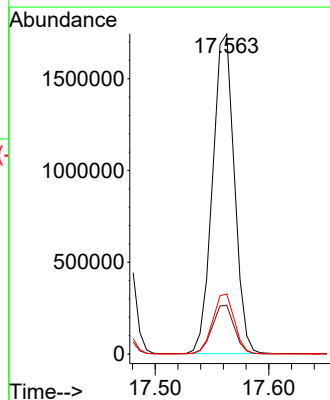
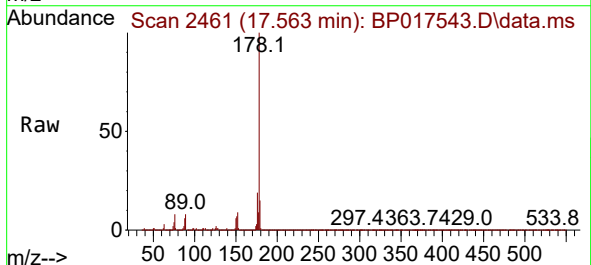
Tgt Ion:178 Resp: 2330952

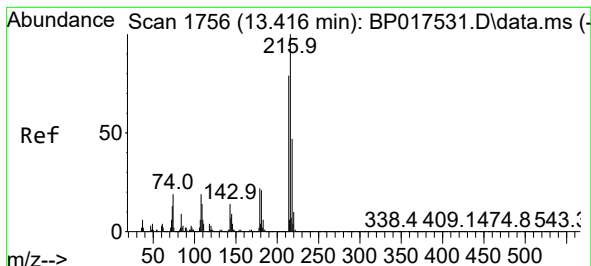
Ion Ratio Lower Upper

178 100

179 15.2 12.2 18.2

176 18.8 15.0 22.4





#75

1,2,3,4-Tetrachlorobenzene

Concen: 53.253 ng/uL

RT: 13.416 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP017543.D

Acq: 04 Oct 2023 21:07

Instrument :

BNA_P

ClientSampleId :

PMW-4(20230927)MSD

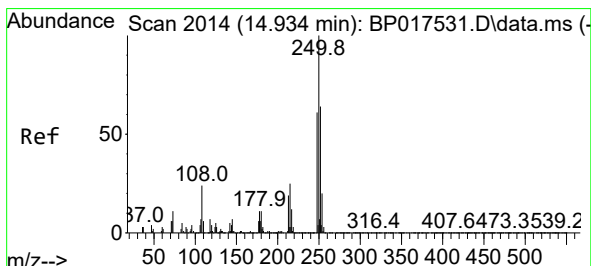
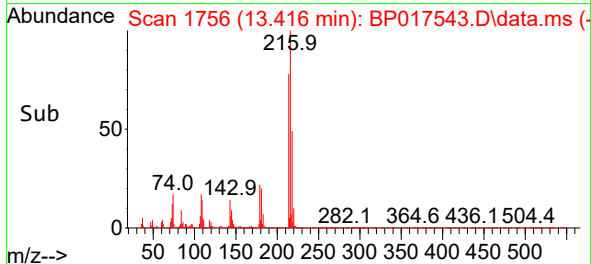
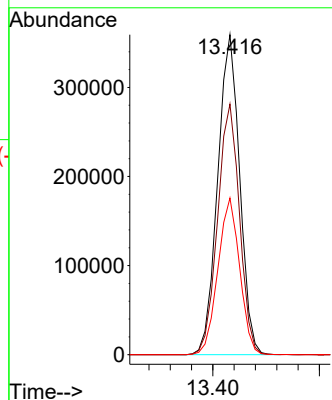
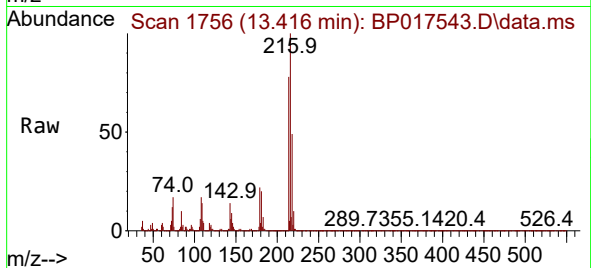
Tgt Ion:216 Resp: 514347

Ion Ratio Lower Upper

216 100

214 78.3 63.4 95.0

218 48.9 38.0 57.0



#76

Pentachlorobenzene

Concen: 55.235 ng/uL

RT: 14.928 min Scan# 2013

Delta R.T. -0.006 min

Lab File: BP017543.D

Acq: 04 Oct 2023 21:07

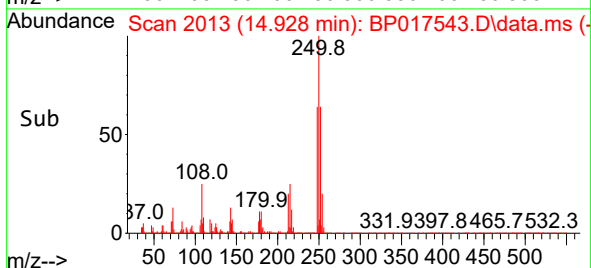
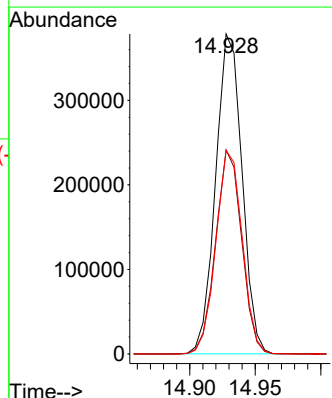
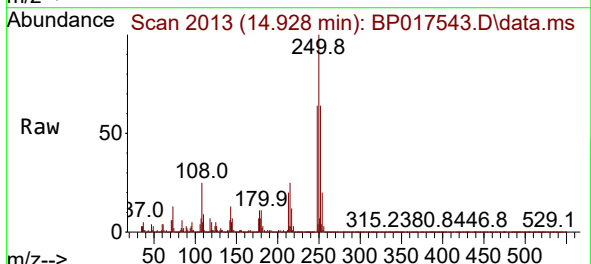
Tgt Ion:250 Resp: 529579

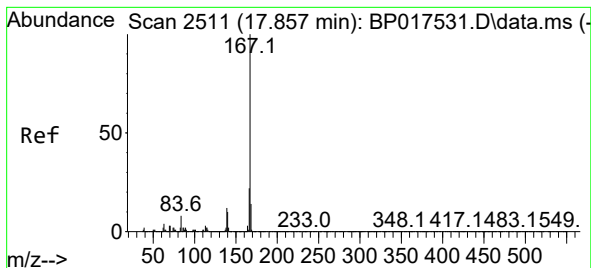
Ion Ratio Lower Upper

250 100

248 63.8 49.1 73.7

252 63.6 51.4 77.2





#77

Carbazole

Concen: 67.322 ng/ul

RT: 17.851 min Scan# 2511

Delta R.T. -0.006 min

Lab File: BP017543.D

Acq: 04 Oct 2023 21:07

Instrument :

BNA_P

ClientSampleId :

PMW-4(20230927)MSD

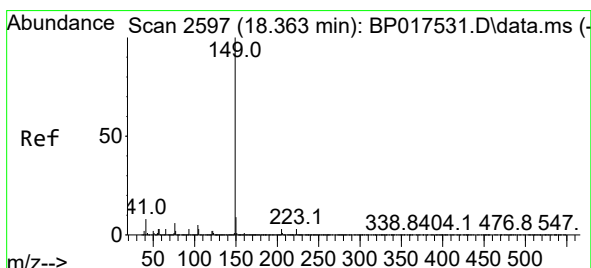
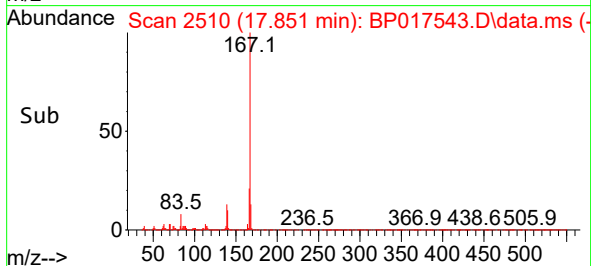
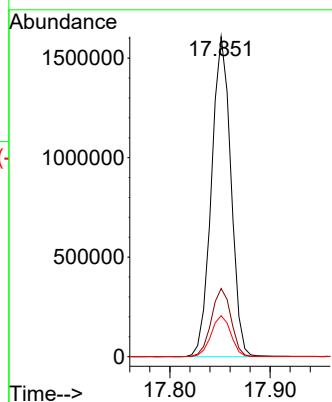
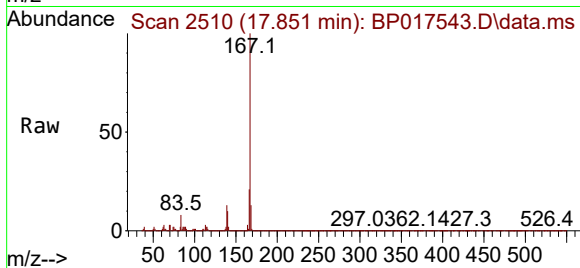
Tgt Ion:167 Resp: 2166774

Ion Ratio Lower Upper

167 100

166 21.3 17.3 25.9

139 12.8 9.8 14.6



#78

Di-n-butylphthalate

Concen: 70.607 ng/ul

RT: 18.363 min Scan# 2597

Delta R.T. 0.000 min

Lab File: BP017543.D

Acq: 04 Oct 2023 21:07

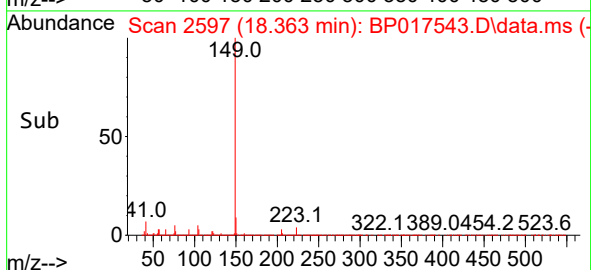
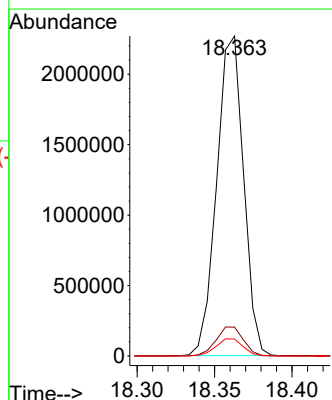
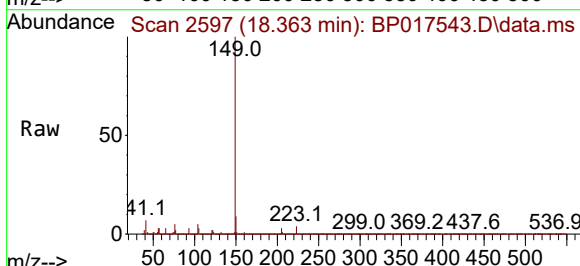
Tgt Ion:149 Resp: 2738995

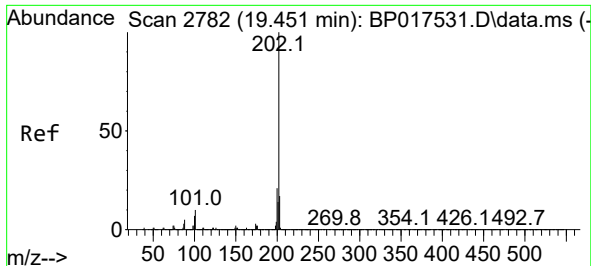
Ion Ratio Lower Upper

149 100

150 9.0 7.4 11.2

104 5.3 4.3 6.5

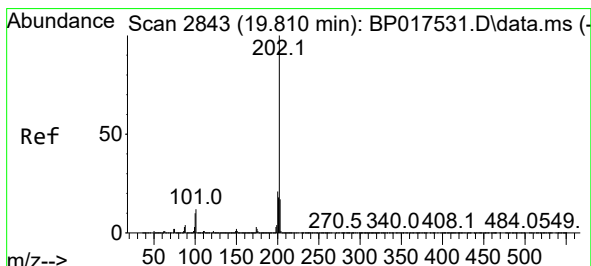
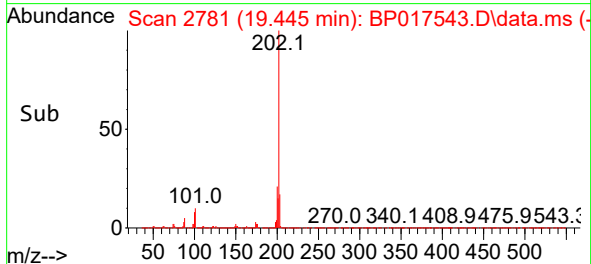
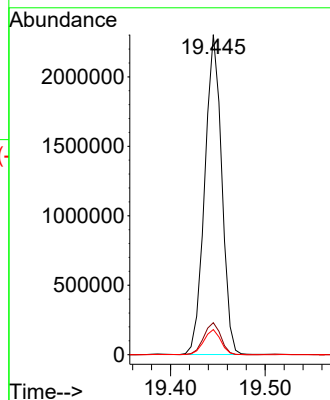
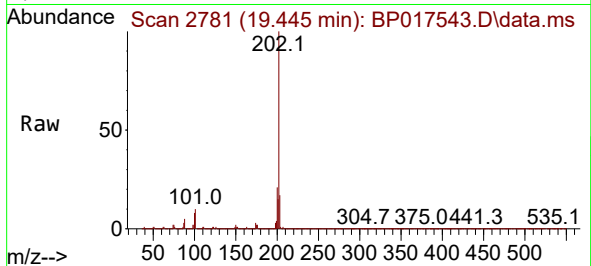




#80
Fluoranthene
Concen: 68.254 ng/ul
RT: 19.445 min Scan# 2781
Delta R.T. -0.006 min
Lab File: BP017543.D
Acq: 04 Oct 2023 21:07

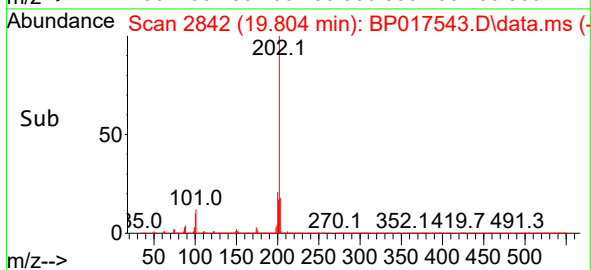
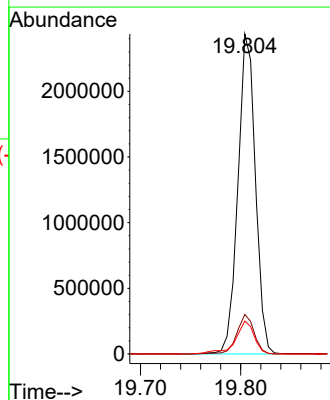
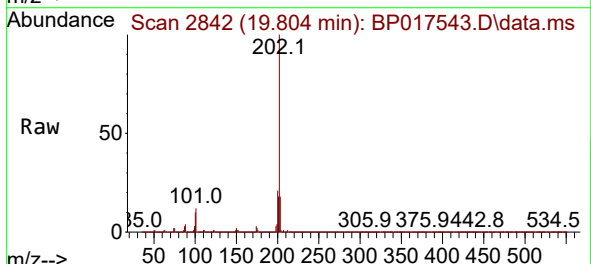
Instrument :
BNA_P
ClientSampleId :
PMW-4(20230927)MSD

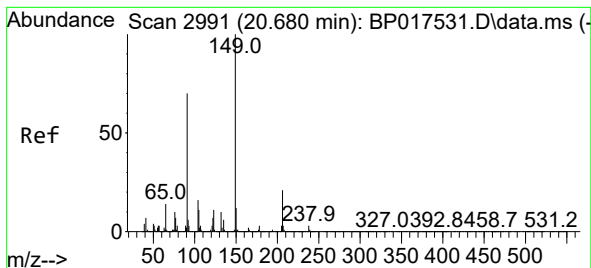
Tgt Ion:202 Resp: 2863931
Ion Ratio Lower Upper
202 100
101 10.0 8.1 12.1
100 7.9 5.9 8.9



#82
Pyrene
Concen: 66.861 ng/ul
RT: 19.804 min Scan# 2842
Delta R.T. -0.006 min
Lab File: BP017543.D
Acq: 04 Oct 2023 21:07

Tgt Ion:202 Resp: 2960112
Ion Ratio Lower Upper
202 100
101 12.4 9.7 14.5
100 10.3 8.1 12.1





#83

Butylbenzylphthalate

Concen: 74.764 ng/ul

RT: 20.675 min Scan# 2991

Delta R.T. -0.006 min

Lab File: BP017543.D

Acq: 04 Oct 2023 21:07

Instrument :

BNA_P

ClientSampleId :

PMW-4(20230927)MSD

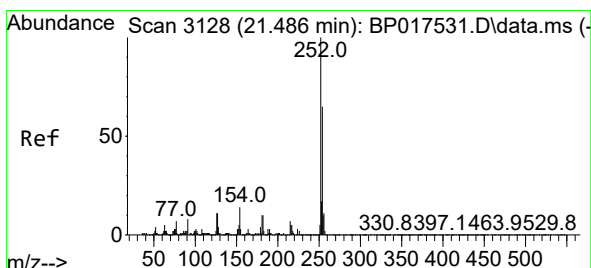
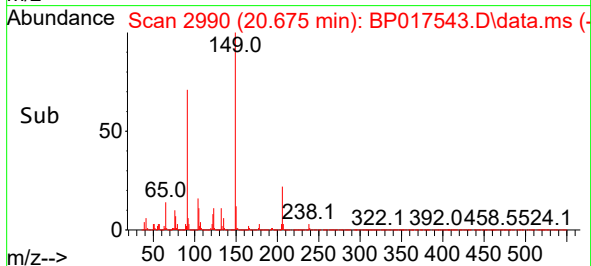
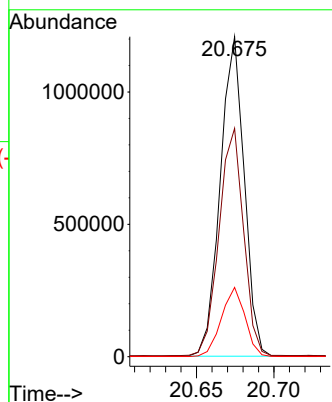
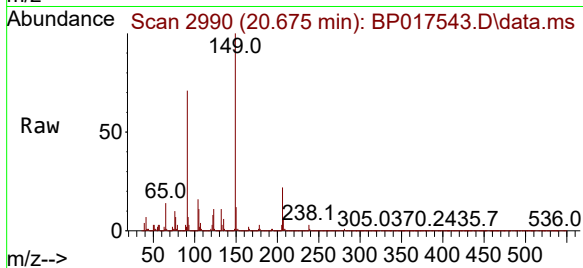
Tgt Ion:149 Resp: 1299896

Ion Ratio Lower Upper

149 100

91 71.3 55.8 83.8

206 21.6 17.0 25.6



#84

3,3'-Dichlorobenzidine

Concen: 7.869 ng/ul

RT: 21.486 min Scan# 3128

Delta R.T. 0.000 min

Lab File: BP017543.D

Acq: 04 Oct 2023 21:07

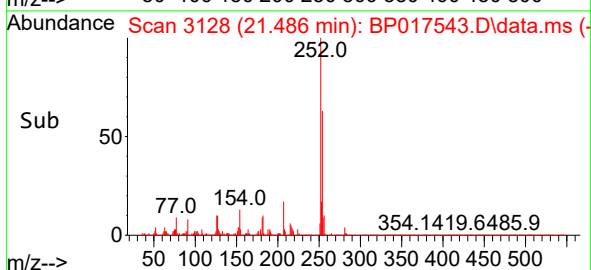
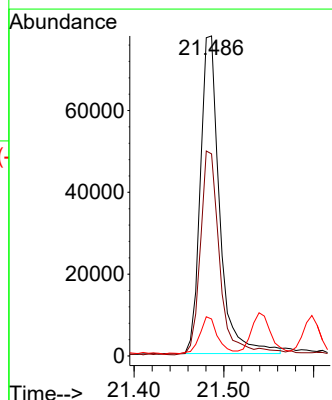
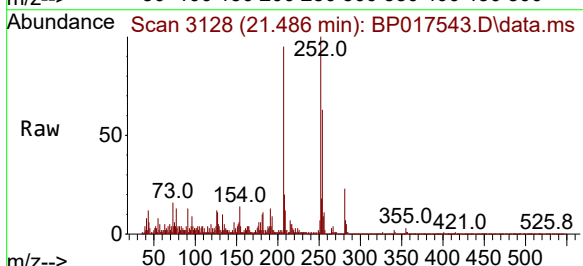
Tgt Ion:252 Resp: 115895

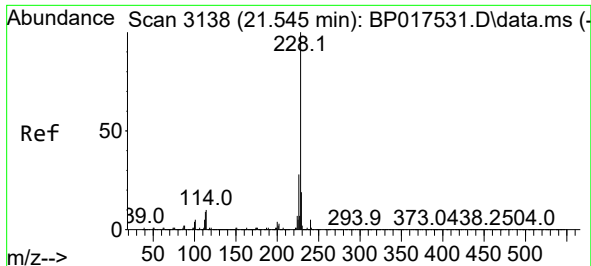
Ion Ratio Lower Upper

252 100

254 63.2 52.0 78.0

126 11.5 8.6 12.8

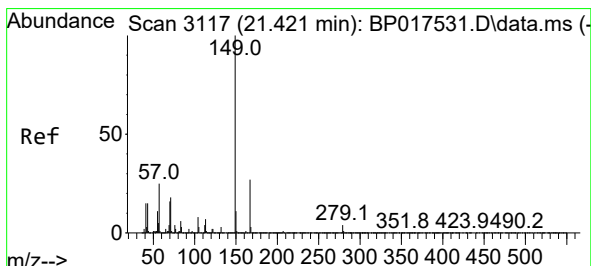
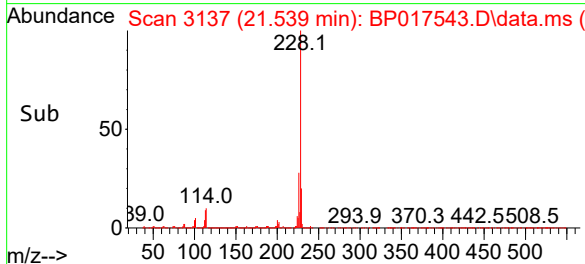
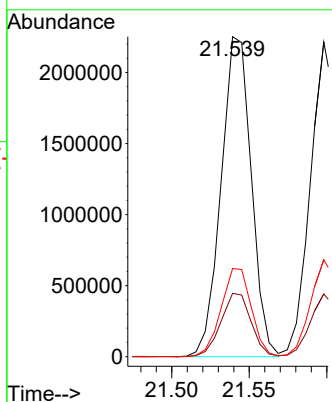
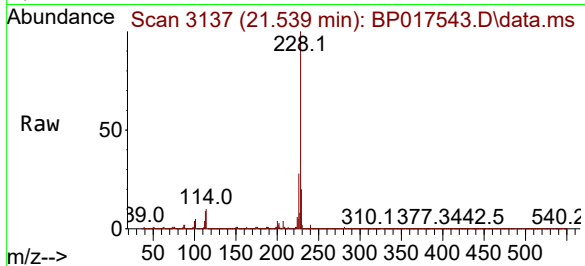




#85
Benzo(a)anthracene
Concen: 67.267 ng/ul
RT: 21.539 min Scan# 3138
Delta R.T. -0.006 min
Lab File: BP017543.D
Acq: 04 Oct 2023 21:07

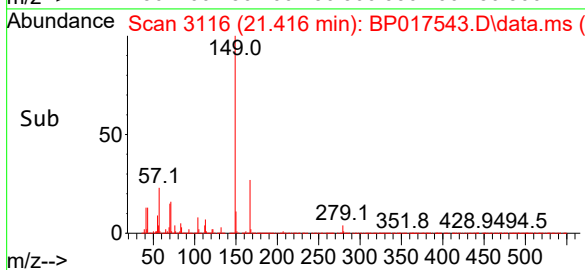
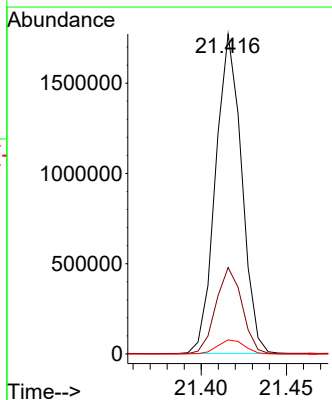
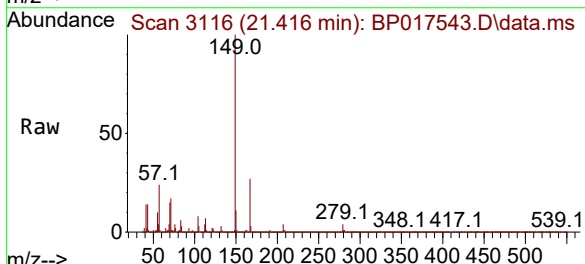
Instrument :
BNA_P
ClientSampleId :
PMW-4(20230927)MSD

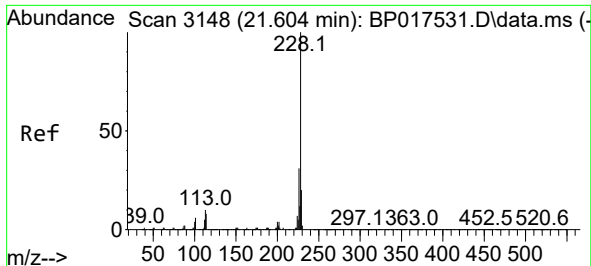
Tgt Ion:228 Resp: 3054733
Ion Ratio Lower Upper
228 100
229 19.8 15.6 23.4
226 27.6 22.3 33.5



#86
Bis(2-ethylhexyl)phthalate
Concen: 75.160 ng/ul
RT: 21.416 min Scan# 3116
Delta R.T. -0.006 min
Lab File: BP017543.D
Acq: 04 Oct 2023 21:07

Tgt Ion:149 Resp: 1883583
Ion Ratio Lower Upper
149 100
167 27.0 21.6 32.4
279 4.4 3.4 5.0

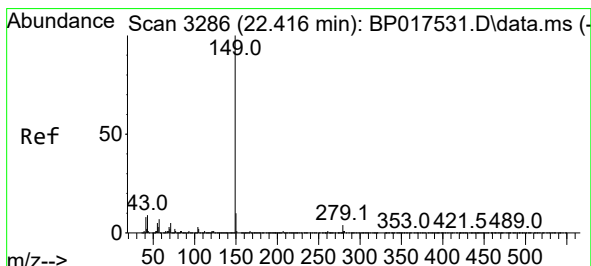
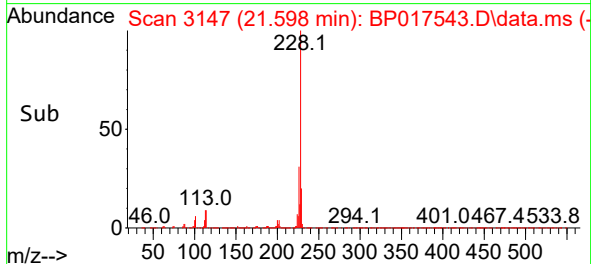
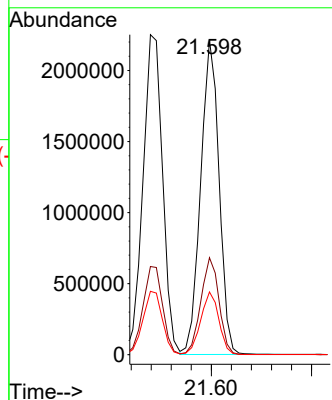
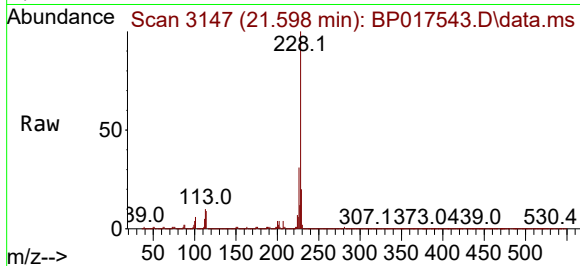




#87
Chrysene
Concen: 66.612 ng/ul
RT: 21.598 min Scan# 3148
Delta R.T. -0.006 min
Lab File: BP017543.D
Acq: 04 Oct 2023 21:07

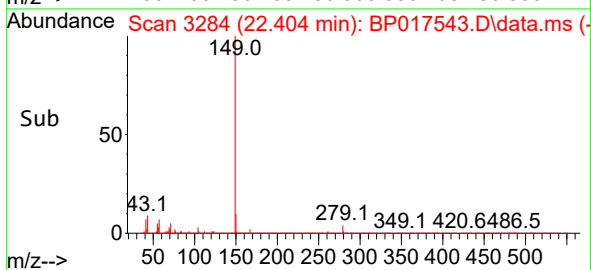
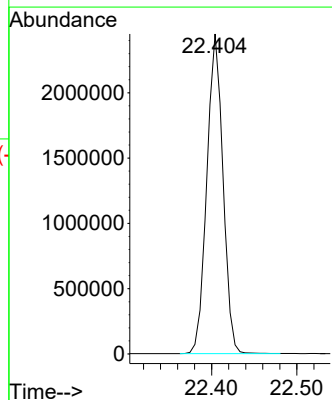
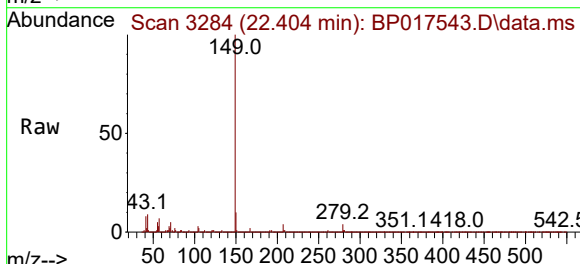
Instrument :
BNA_P
ClientSampleId :
PMW-4(20230927)MSD

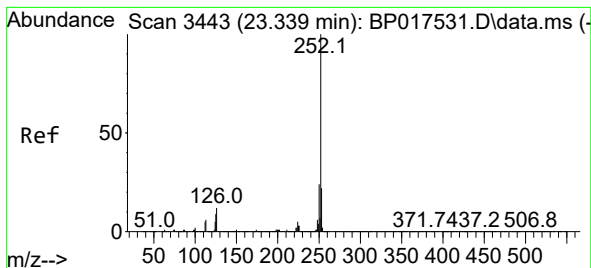
Tgt Ion:228 Resp: 2827604
Ion Ratio Lower Upper
228 100
226 30.8 24.4 36.6
229 19.9 15.7 23.5



#89
Di-n-octyl phthalate
Concen: 73.065 ng/ul
RT: 22.404 min Scan# 3284
Delta R.T. -0.012 min
Lab File: BP017543.D
Acq: 04 Oct 2023 21:07

Tgt Ion:149 Resp: 3216539





#90

Benzo(b)fluoranthene

Concen: 68.542 ng/ul

RT: 23.339 min Scan# 3443

Delta R.T. 0.000 min

Lab File: BP017543.D

Acq: 04 Oct 2023 21:07

Instrument :

BNA_P

ClientSampleId :

PMW-4(20230927)MSD

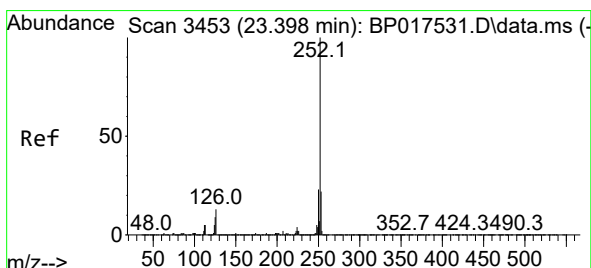
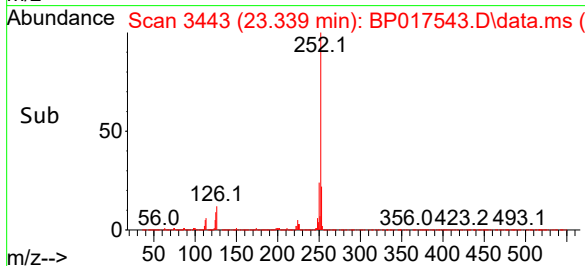
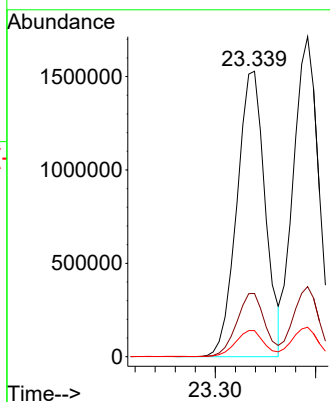
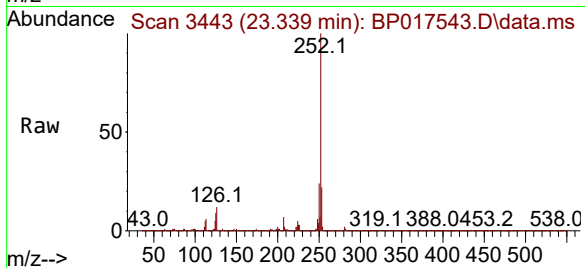
Tgt Ion:252 Resp: 2994260

Ion Ratio Lower Upper

252 100

253 22.2 18.1 27.1

125 9.1 7.5 11.3



#91

Benzo(k)fluoranthene

Concen: 68.492 ng/ul

RT: 23.392 min Scan# 3452

Delta R.T. -0.006 min

Lab File: BP017543.D

Acq: 04 Oct 2023 21:07

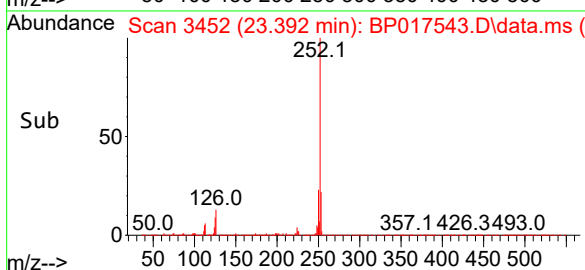
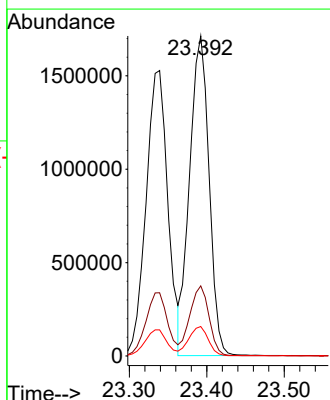
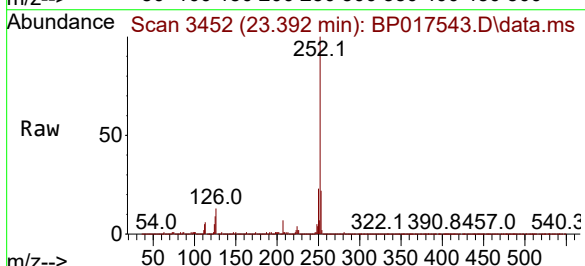
Tgt Ion:252 Resp: 2983159

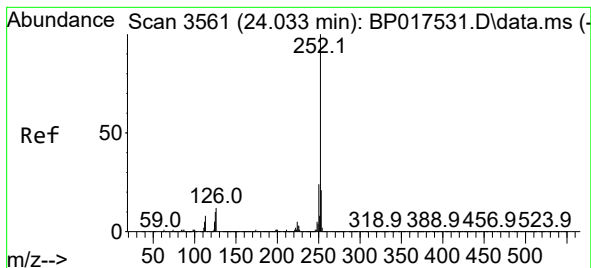
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 9.2 7.3 10.9





#93

Benzo(a)pyrene

Concen: 68.322 ng/ul

RT: 24.027 min Scan# 3560

Delta R.T. -0.006 min

Lab File: BP017543.D

Acq: 04 Oct 2023 21:07

Instrument :

BNA_P

ClientSampleId :

PMW-4(20230927)MSD

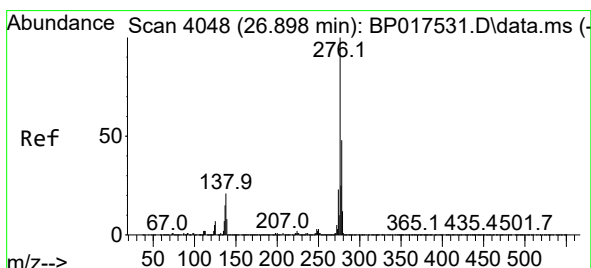
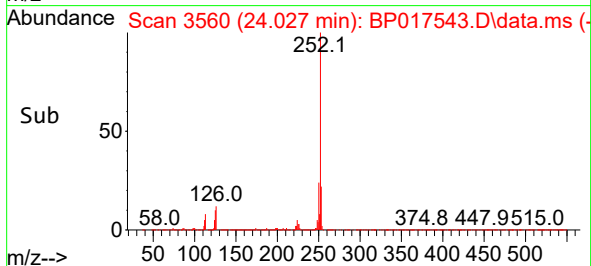
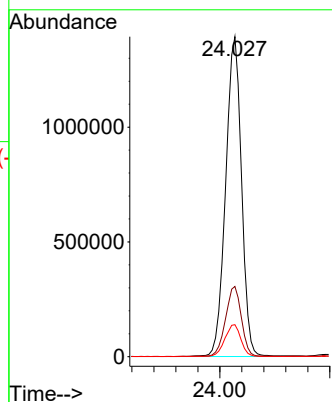
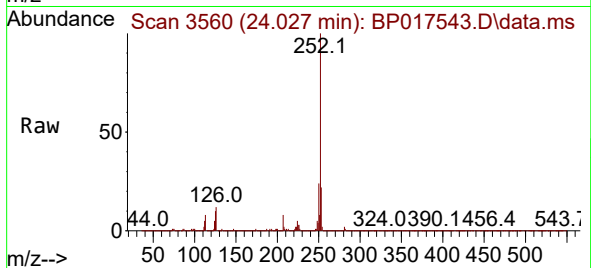
Tgt Ion:252 Resp: 2790244

Ion Ratio Lower Upper

252 100

253 22.0 17.1 25.7

125 10.0 8.2 12.2



#94

Indeno(1,2,3-cd)pyrene

Concen: 68.861 ng/ul

RT: 26.892 min Scan# 4047

Delta R.T. -0.006 min

Lab File: BP017543.D

Acq: 04 Oct 2023 21:07

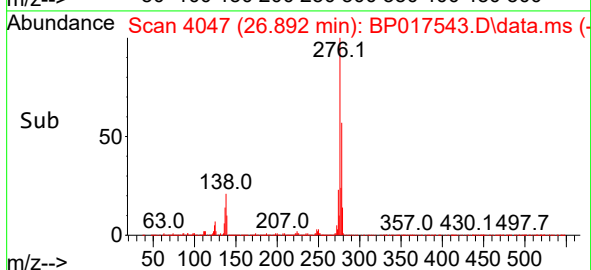
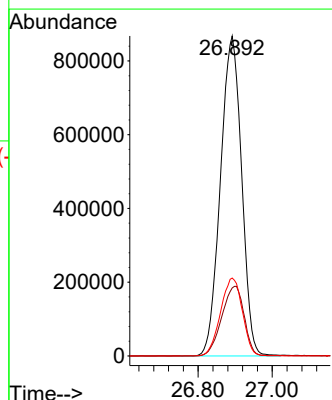
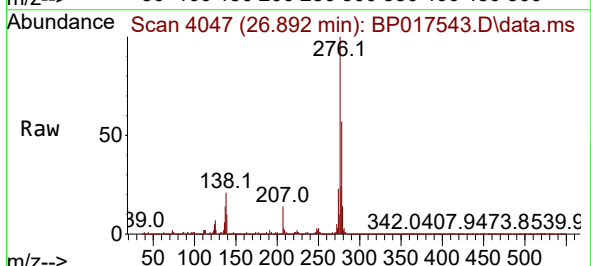
Tgt Ion:276 Resp: 3437947

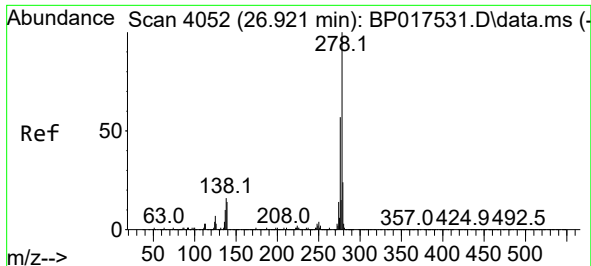
Ion Ratio Lower Upper

276 100

138 21.3 16.6 24.8

277 24.4 19.7 29.5

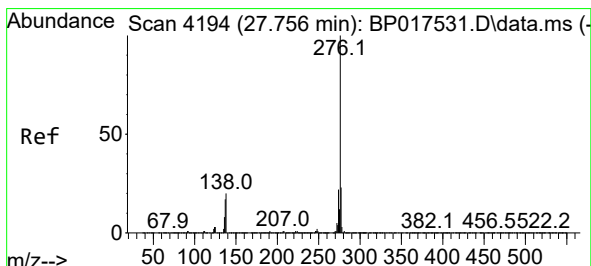
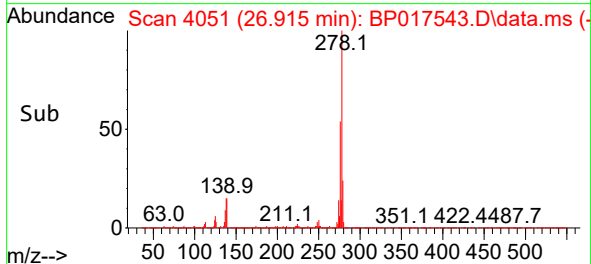
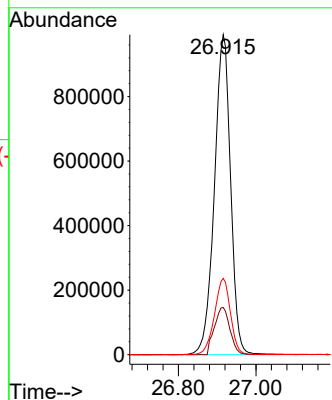
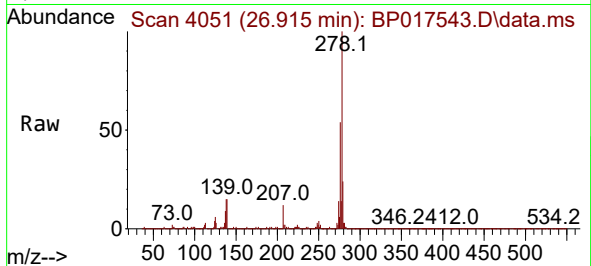




#95
Dibenzo(a,h)anthracene
Concen: 68.360 ng/ul
RT: 26.915 min Scan# 4052
Delta R.T. -0.006 min
Lab File: BP017543.D
Acq: 04 Oct 2023 21:07

Instrument :
BNA_P
ClientSampleId :
PMW-4(20230927)MSD

Tgt Ion:278 Resp: 2875818
Ion Ratio Lower Upper
278 100
139 14.8 11.5 17.3
279 23.9 19.0 28.6



#96
Benzo(g,h,i)perylene
Concen: 67.546 ng/ul
RT: 27.751 min Scan# 4193
Delta R.T. -0.006 min
Lab File: BP017543.D
Acq: 04 Oct 2023 21:07

Tgt Ion:276 Resp: 2705253
Ion Ratio Lower Upper
276 100
138 19.2 16.1 24.1
277 24.2 18.7 28.1

