

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101922\
 Data File : BP012200.D
 Acq On : 19 Oct 2022 12:14
 Operator : CG/JU
 Sample : SST01081
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SST010646

Quant Time: Oct 19 23:51:52 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP101922.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 19 23:49:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	443856	20.000	ng/u1	0.00
20) Naphthalene-d8	10.634	136	1954559	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.481	164	1263953	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.239	188	2668958	20.000	ng/u1	0.00
79) Chrysene-d12	21.333	240	2521004	20.000	ng/u1	0.00
88) Perylene-d12	23.739	264	2217487	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.264	96	44163	3.819	ng/uL	0.00
4) Pyridine-d5	3.687	84	287227	9.095	ng/u1	0.00
7) Phenol-d5	6.999	99	354182	9.405	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.163	67	230328	10.086	ng/u1	0.00
11) 2-Chlorophenol-d4	7.358	132	280365	9.895	ng/u1	0.00
15) 4-Methylphenol-d8	8.540	113	280312	9.886	ng/u1	0.00
21) Nitrobenzene-d5	8.993	128	135861	10.007	ng/u1	0.00
24) 2-Nitrophenol-d4	9.716	143	141511	10.060	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.257	165	282846	10.164	ng/u1	0.00
31) 4-Chloroaniline-d4	10.781	131	422015	10.649	ng/u1	0.00
46) Dimethylphthalate-d6	13.892	166	886586	10.798	ng/u1	0.00
49) Acenaphthylene-d8	14.169	160	1001766	10.297	ng/u1	0.00
54) 4-Nitrophenol-d4	14.687	143	147882	9.885	ng/u1	0.00
60) Fluorene-d10	15.475	176	780367	10.710	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.604	200	117032	8.197	ng/u1	0.00
73) Anthracene-d10	17.339	188	1186307	10.267	ng/u1	0.00
81) Pyrene-d10	19.575	212	1354158	10.410	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.580	264	1088427	10.065	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.293	88	47315	3.801	ng/uL	96
5) Pyridine	3.705	79	288497	9.200	ng/u1	98
6) Benzaldehyde	6.975	77	186890	10.568	ng/u1	99
8) Phenol	7.022	94	386189	9.834	ng/u1	100
10) Bis(2-Chloroethyl)ether	7.258	93	318297	10.038	ng/u1	98
12) 2-Chlorophenol	7.387	128	307747	10.036	ng/u1	98
13) 2-Methylphenol	8.275	108	283733	9.716	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.363	45	437785	10.362	ng/u1	99
16) Acetophenone	8.657	105	473771	10.736	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.640	70	231848	10.931	ng/u1	98
18) 4-Methylphenol	8.604	108	318797	10.143	ng/u1	96
19) Hexachloroethane	8.904	117	120677	9.842	ng/u1	99
22) Nitrobenzene	9.040	77	343136	10.036	ng/u1	99
23) Isophorone	9.563	82	648892	10.359	ng/u1	100
25) 2-Nitrophenol	9.752	139	166268	10.211	ng/u1	99
26) 2,4-Dimethylphenol	9.810	107	346132	10.239	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.051	93	441980	10.400	ng/u1	99
29) 2,4-Dichlorophenol	10.281	162	298281	10.309	ng/u1	99
30) Naphthalene	10.681	128	1059482	10.236	ng/u1	99
32) 4-Chloroaniline	10.804	127	443668	10.830	ng/u1	100
33) Hexachlorobutadiene	10.963	225	186999	10.003	ng/u1	98
34) Caprolactam	11.598	113	78331	9.887	ng/u1	92
35) 4-Chloro-3-methylphenol	11.928	107	321876	10.977	ng/u1	99
36) 2-Methylnaphthalene	12.298	142	723687	10.748	ng/u1	99

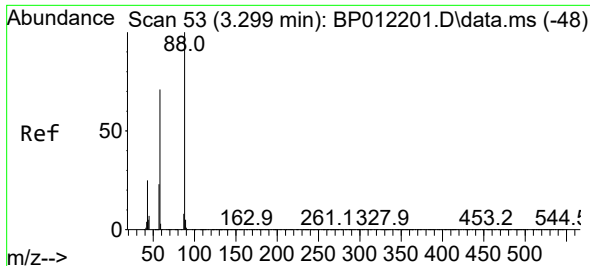
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101922\
 Data File : BP012200.D
 Acq On : 19 Oct 2022 12:14
 Operator : CG/JU
 Sample : SST01081
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SST010646

Quant Time: Oct 19 23:51:52 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP101922.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 19 23:49:40 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.516	142	728296	10.853	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.663	216	382488	9.791	ng/ul	99
40) Hexachlorocyclopentadiene	12.634	237	148904	7.311	ng/ul	100
41) 2,4,6-Trichlorophenol	12.910	196	236875	9.816	ng/ul	99
42) 2,4,5-Trichlorophenol	12.981	196	254884	9.958	ng/ul	99
43) 1,1'-Biphenyl	13.310	154	955548	10.043	ng/ul	99
44) 2-Chloronaphthalene	13.351	162	757786	10.017	ng/ul	99
45) 2-Nitroaniline	13.563	65	179991	10.212	ng/ul	95
47) Dimethylphthalate	13.940	163	937556	10.847	ng/ul	99
48) 2,6-Dinitrotoluene	14.063	165	160498	10.710	ng/ul	96
50) Acenaphthylene	14.198	152	1152252	10.457	ng/ul	100
51) 3-Nitroaniline	14.392	138	161225	9.608	ng/ul	100
52) Acenaphthene	14.539	153	808138	10.249	ng/ul	99
53) 2,4-Dinitrophenol	14.604	184	64814	6.591	ng/ul	98
55) 4-Nitrophenol	14.704	109	112967	10.098	ng/ul	97
56) Dibenzofuran	14.875	168	1130393	10.553	ng/ul	99
57) 2,4-Dinitrotoluene	14.851	165	239072	11.080	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	15.104	232	225604	10.841	ng/ul	97
59) Diethylphthalate	15.304	149	918781	11.186	ng/ul	99
61) Fluorene	15.528	166	919869	10.933	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.528	204	454715	11.073	ng/ul	99
63) 4-Nitroaniline	15.563	138	157209	10.643	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.616	198	127408	8.265	ng/ul#	92
67) N-Nitrosodiphenylamine	15.739	169	783858	10.067	ng/ul	100
68) 4-Bromophenyl-phenylether	16.422	248	276507	10.176	ng/ul	95
69) Hexachlorobenzene	16.534	284	328302	10.131	ng/ul	96
70) Atrazine	16.704	200	259577	10.263	ng/ul	97
71) Pentachlorophenol	16.886	266	165893	8.652	ng/ul	99
72) Phenanthrene	17.281	178	1479594	10.218	ng/ul	100
74) Anthracene	17.375	178	1473706	10.338	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.269	216	380512	8.853	ng/uL	99
76) Pentachlorobenzene	14.792	250	410745	9.477	ng/uL	99
77) Carbazole	17.651	167	1316888	10.507	ng/ul	100
78) Di-n-butylphthalate	18.198	149	1489558	10.910	ng/ul	100
80) Fluoranthene	19.251	202	1672246	10.359	ng/ul	99
82) Pyrene	19.604	202	1766200	10.411	ng/ul	99
83) Butylbenzylphthalate	20.480	149	628786	10.571	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.251	252	537773	9.653	ng/ul	99
85) Benzo(a)anthracene	21.316	228	1660998	10.422	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.239	149	912851	10.852	ng/ul	100
87) Chrysene	21.369	228	1556594	10.189	ng/ul	99
89) Di-n-octyl phthalate	22.163	149	1469608	11.635	ng/ul	100
90) Benzo(b)fluoranthene	23.004	252	1535250	10.927	ng/ul	100
91) Benzo(k)fluoranthene	23.051	252	1458492	10.479	ng/ul	99
93) Benzo(a)pyrene	23.633	252	1252726	10.088	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.233	276	1308634	8.344	ng/ul	98
95) Dibenzo(a,h)anthracene	26.257	278	1199566	8.472	ng/ul	99
96) Benzo(g,h,i)perylene	27.004	276	1118361	7.884	ng/ul	99

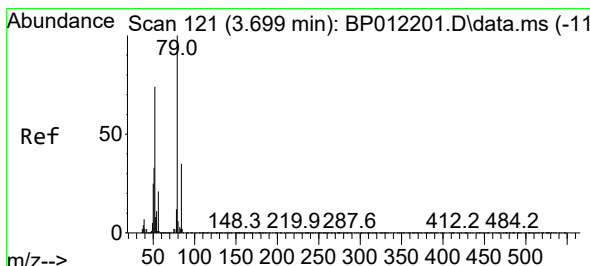
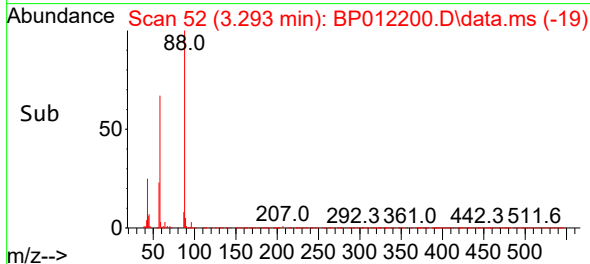
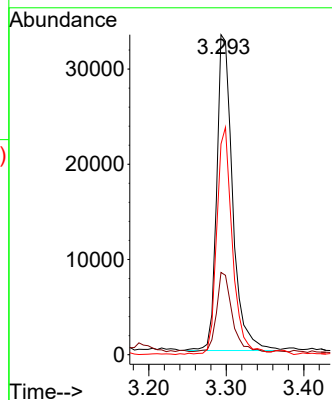
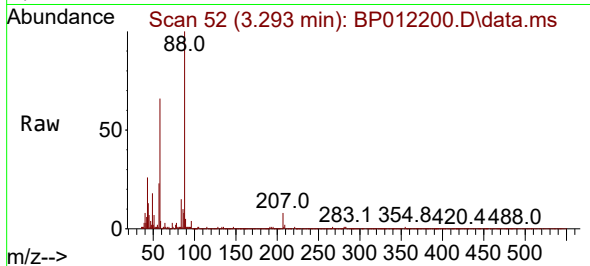
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
1,4-Dioxane
Concen: 3.801 ng/uL
RT: 3.293 min Scan# 51
Delta R.T. -0.006 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

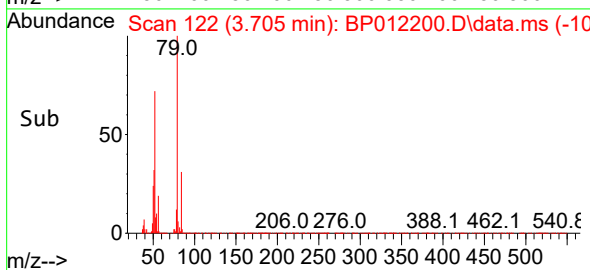
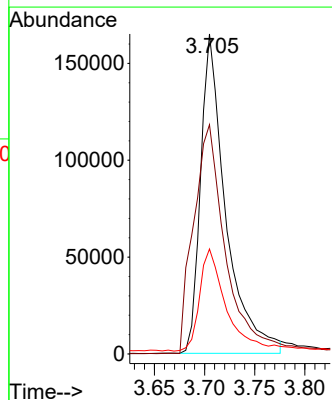
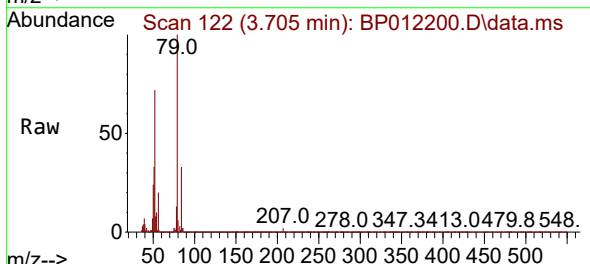
Instrument :
BNA_P
ClientSampleId :
SSTD010646

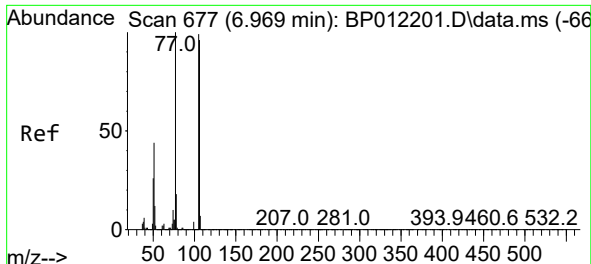
Tgt Ion: 88 Resp: 47315
Ion Ratio Lower Upper
88 100
43 25.7 20.6 30.8
58 65.8 56.1 84.1



#5
Pyridine
Concen: 9.200 ng/uL
RT: 3.705 min Scan# 122
Delta R.T. 0.006 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

Tgt Ion: 79 Resp: 288497
Ion Ratio Lower Upper
79 100
52 71.7 59.4 89.2
51 32.8 26.5 39.7

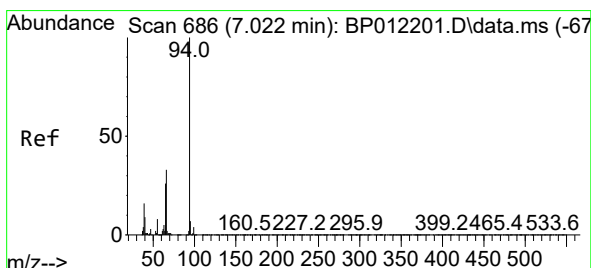
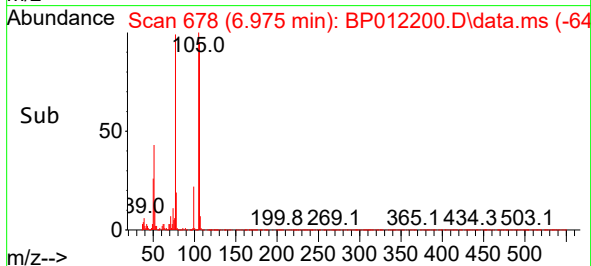
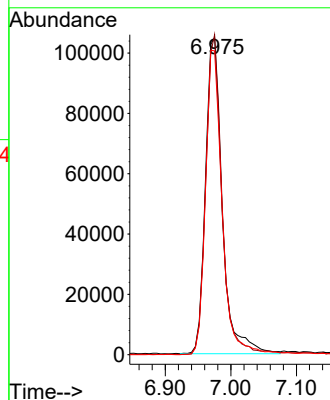
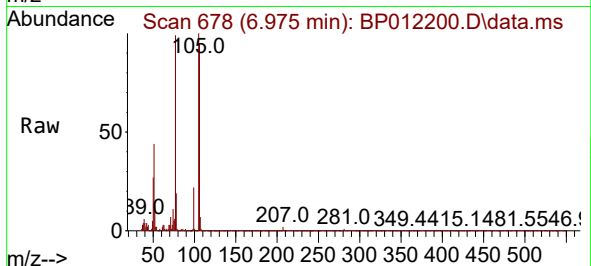




#6
Benzaldehyde
Concen: 10.568 ng/ul
RT: 6.975 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

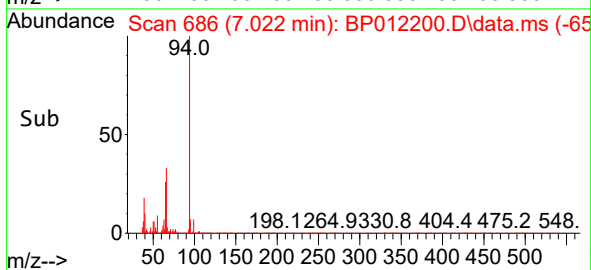
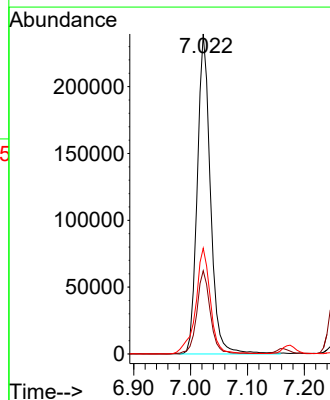
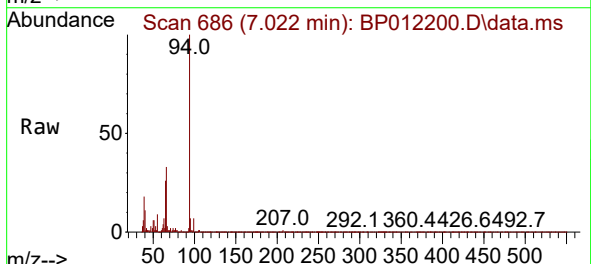
Instrument :
BNA_P
ClientSampleId :
SSTD010646

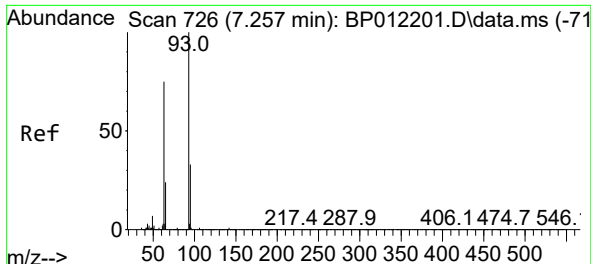
Tgt Ion: 77 Resp: 186890
Ion Ratio Lower Upper
77 100
105 100.9 79.0 118.6
106 95.8 76.4 114.6



#8
Phenol
Concen: 9.834 ng/ul
RT: 7.022 min Scan# 686
Delta R.T. 0.000 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

Tgt Ion: 94 Resp: 386189
Ion Ratio Lower Upper
94 100
65 26.0 20.6 31.0
66 33.0 26.2 39.4

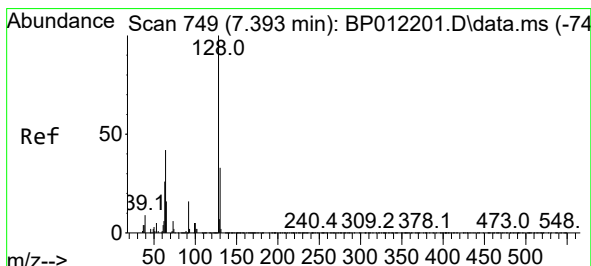
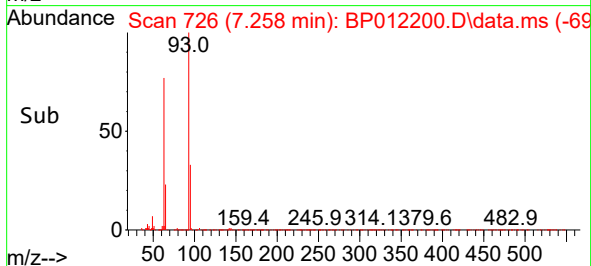
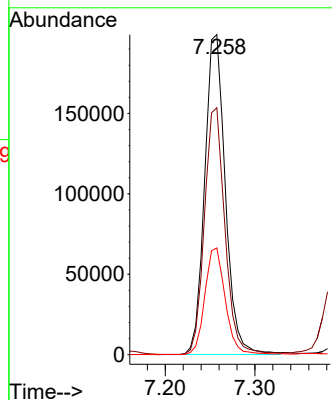
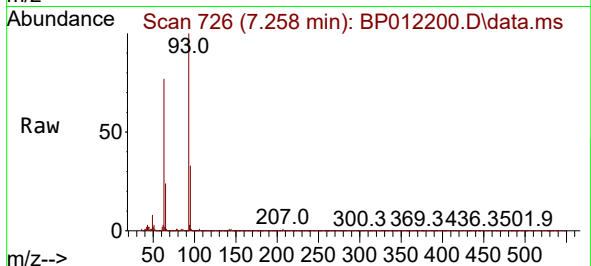




#10
Bis(2-Chloroethyl)ether
Concen: 10.038 ng/ul
RT: 7.258 min Scan# 71
Delta R.T. 0.000 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

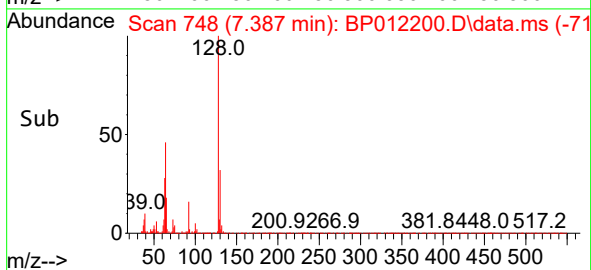
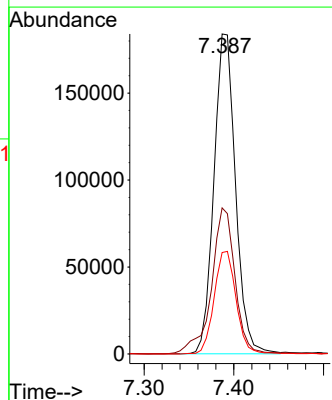
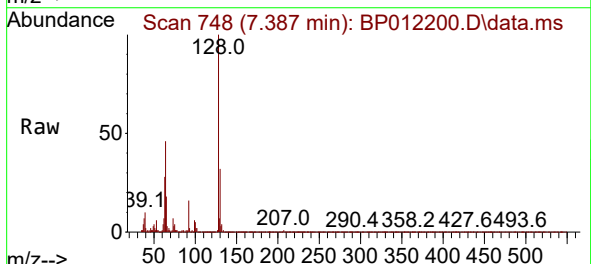
Instrument :
BNA_P
ClientSampleId :
SSTD010646

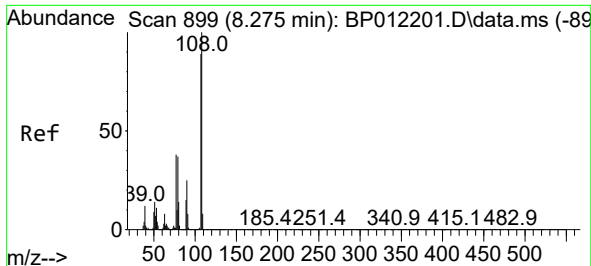
Tgt Ion: 93 Resp: 318297
Ion Ratio Lower Upper
93 100
63 77.1 60.2 90.2
95 33.3 26.1 39.1



#12
2-Chlorophenol
Concen: 10.036 ng/ul
RT: 7.387 min Scan# 748
Delta R.T. -0.006 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

Tgt Ion:128 Resp: 307747
Ion Ratio Lower Upper
128 100
64 45.7 35.4 53.2
130 31.7 26.1 39.1

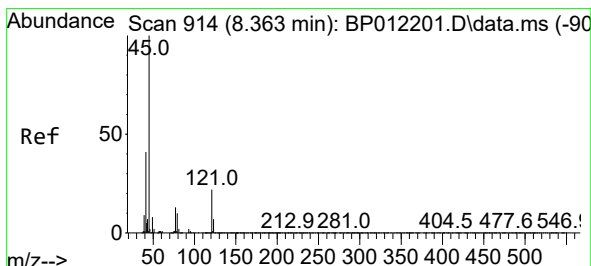
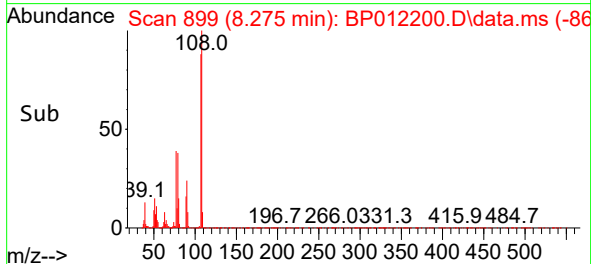
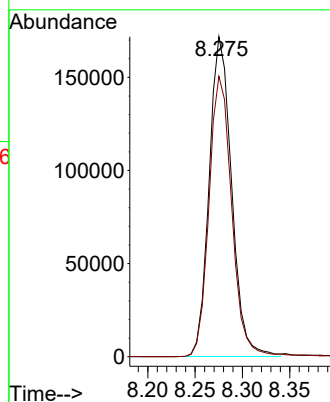
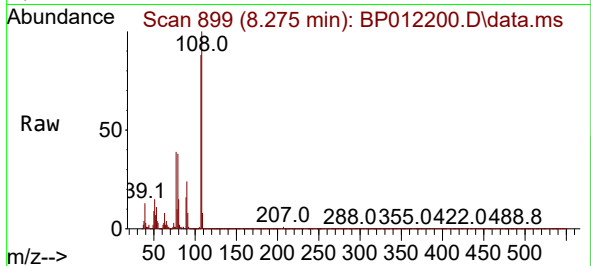




#13
2-Methylphenol
Concen: 9.716 ng/ul
RT: 8.275 min Scan# 899
Delta R.T. 0.000 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

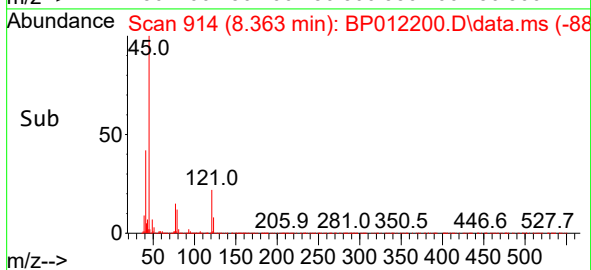
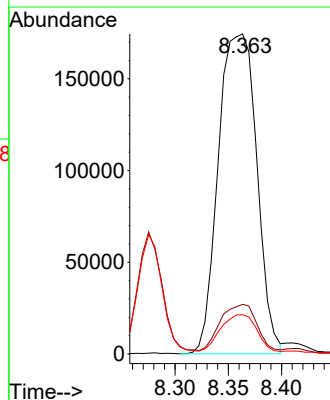
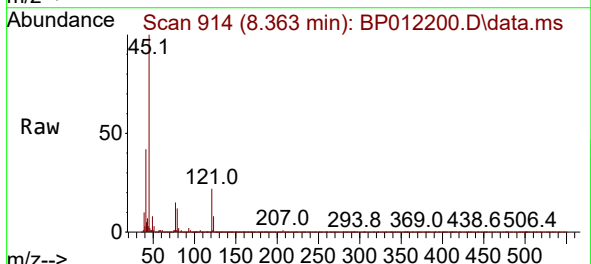
Instrument :
BNA_P
ClientSampleId :
SSTD010646

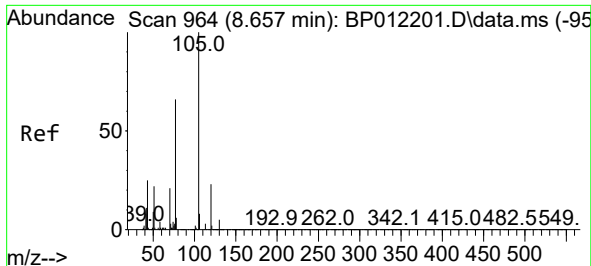
Tgt Ion:108 Resp: 283733
Ion Ratio Lower Upper
108 100
107 87.6 71.1 106.7



#14
2,2'-oxybis(1-Chloropropane)
Concen: 10.362 ng/ul
RT: 8.363 min Scan# 914
Delta R.T. 0.000 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

Tgt Ion: 45 Resp: 437785
Ion Ratio Lower Upper
45 100
77 15.5 12.1 18.1
79 12.2 9.3 13.9

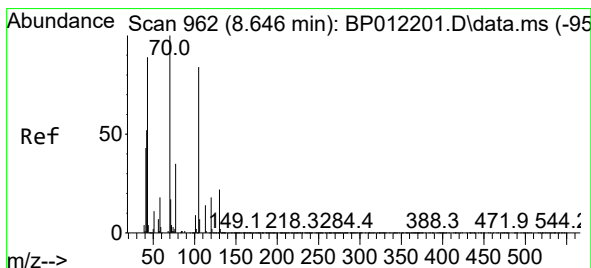
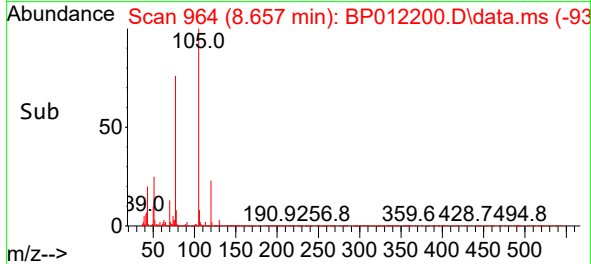
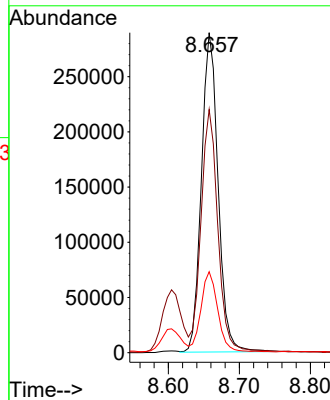
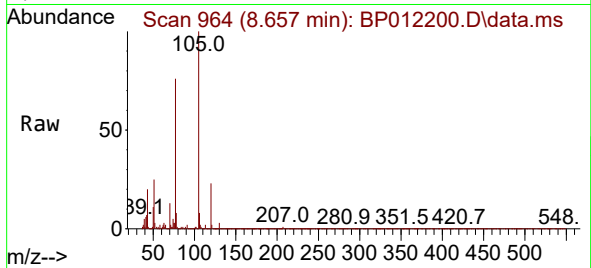




#16
Acetophenone
Concen: 10.736 ng/ul
RT: 8.657 min Scan# 964
Delta R.T. 0.000 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

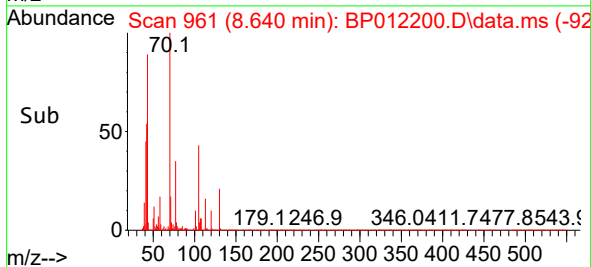
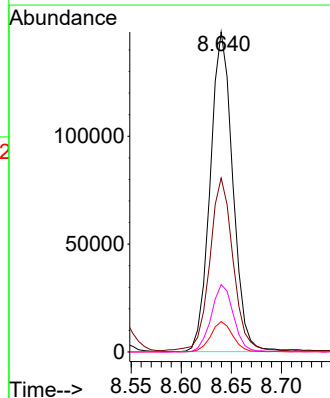
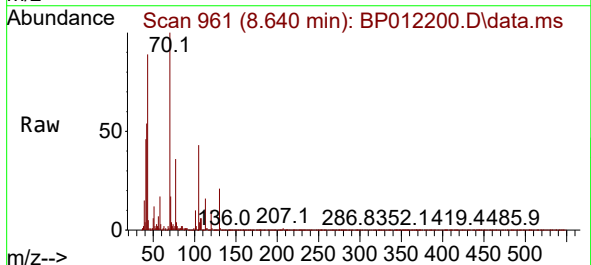
Instrument :
BNA_P
ClientSampleId :
SSTD010646

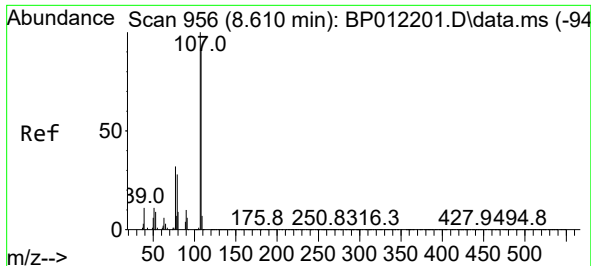
Tgt Ion:105 Resp: 473771
Ion Ratio Lower Upper
105 100
77 76.0 60.0 90.0
51 25.3 20.1 30.1



#17
N-Nitroso-di-n-propylamine
Concen: 10.931 ng/ul
RT: 8.640 min Scan# 961
Delta R.T. -0.006 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

Tgt Ion: 70 Resp: 231848
Ion Ratio Lower Upper
70 100
42 54.4 42.4 63.6
101 9.5 7.6 11.4
130 21.1 17.3 25.9

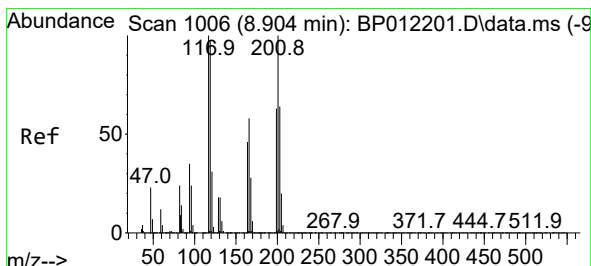
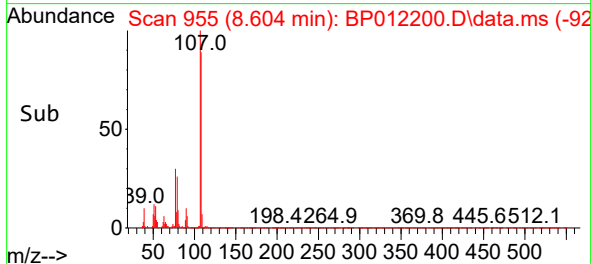
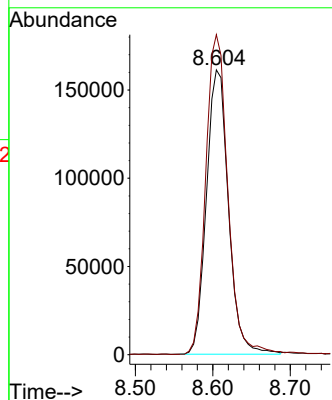
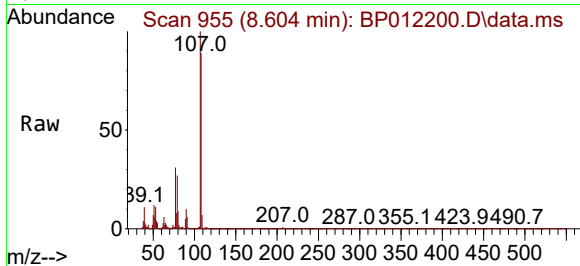




#18
4-Methylphenol
Concen: 10.143 ng/ul
RT: 8.604 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

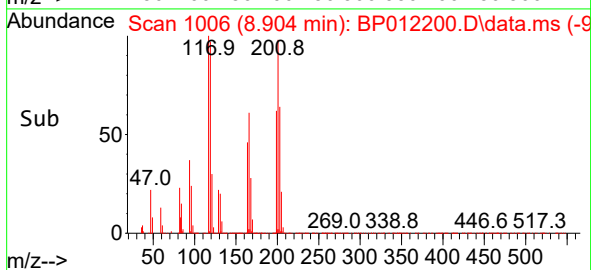
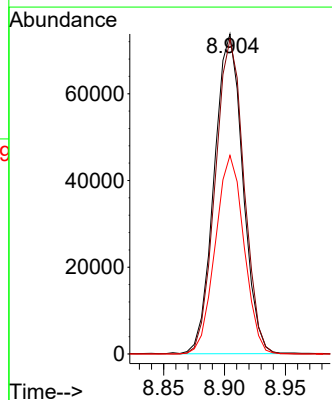
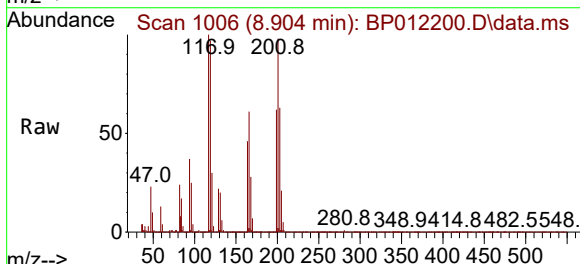
Instrument :
BNA_P
ClientSampleId :
SSTD010646

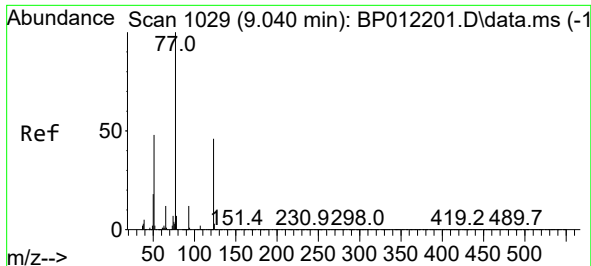
Tgt Ion:108 Resp: 318797
Ion Ratio Lower Upper
108 100
107 112.4 86.6 130.0



#19
Hexachloroethane
Concen: 9.842 ng/ul
RT: 8.904 min Scan# 1006
Delta R.T. 0.000 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

Tgt Ion:117 Resp: 120677
Ion Ratio Lower Upper
117 100
201 98.3 79.7 119.5
199 62.0 50.7 76.1

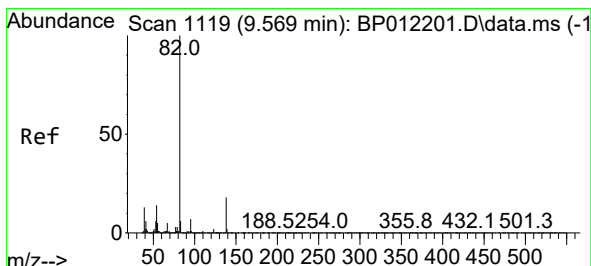
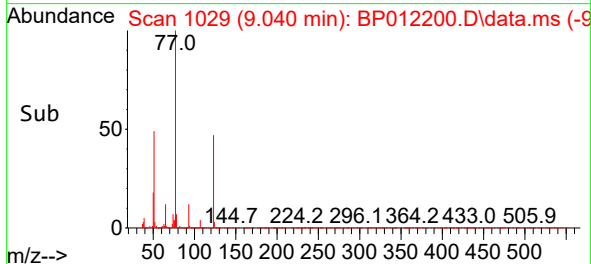
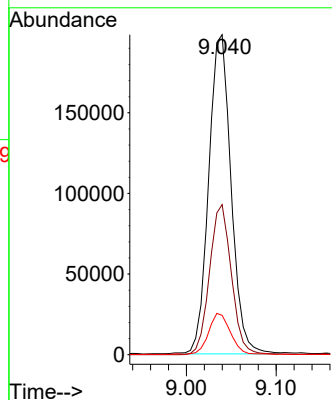
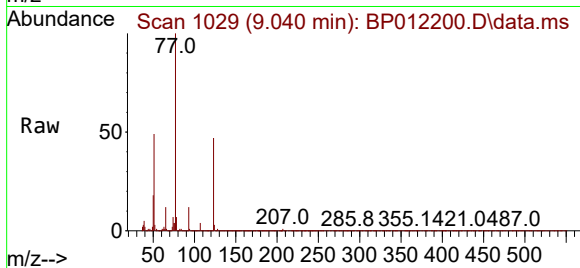




#22
Nitrobenzene
Concen: 10.036 ng/ul
RT: 9.040 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

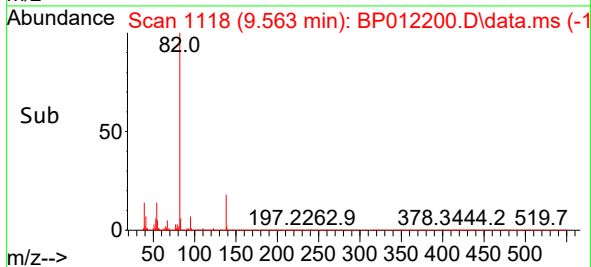
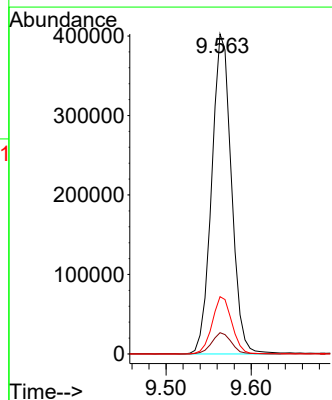
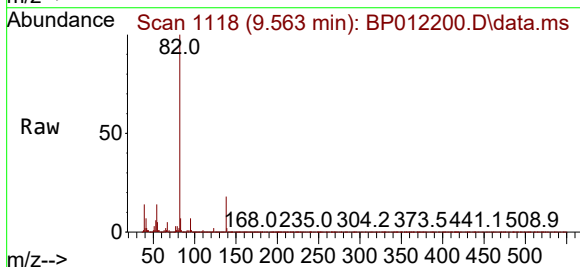
Instrument :
BNA_P
ClientSampleId :
SSTD010646

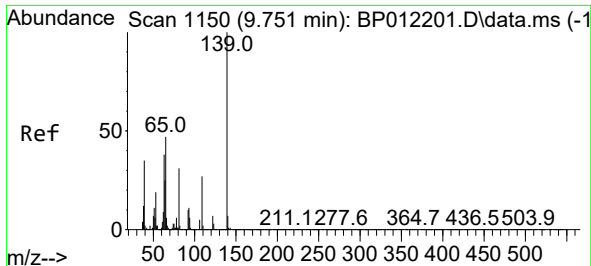
Tgt Ion: 77 Resp: 343136
Ion Ratio Lower Upper
77 100
123 46.9 37.1 55.7
65 12.3 10.0 15.0



#23
Isophorone
Concen: 10.359 ng/ul
RT: 9.563 min Scan# 1118
Delta R.T. -0.006 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

Tgt Ion: 82 Resp: 648892
Ion Ratio Lower Upper
82 100
95 6.6 5.4 8.0
138 17.9 14.5 21.7

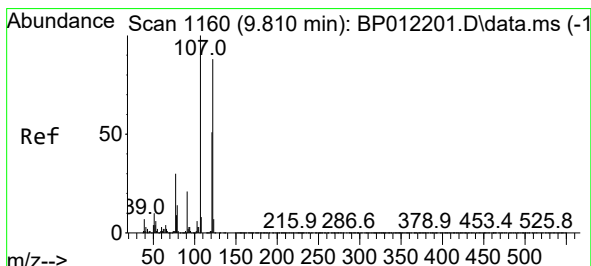
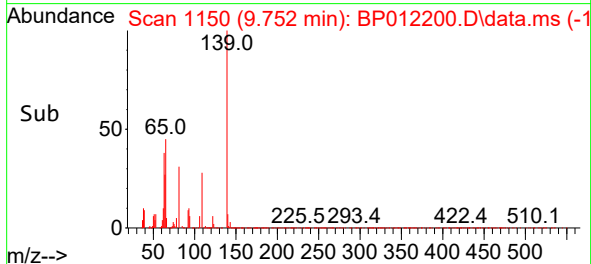
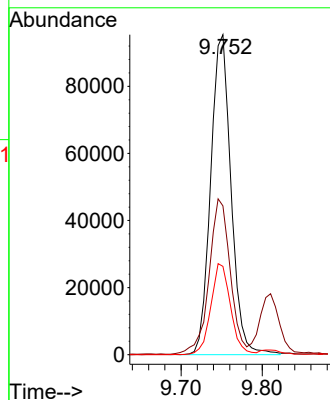
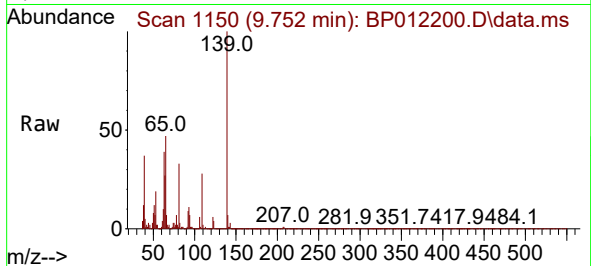




#25
2-Nitrophenol
Concen: 10.211 ng/ul
RT: 9.752 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

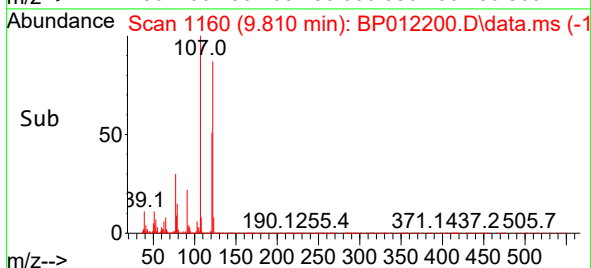
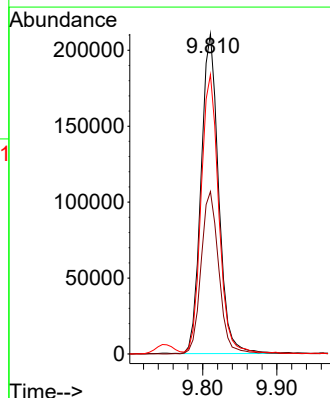
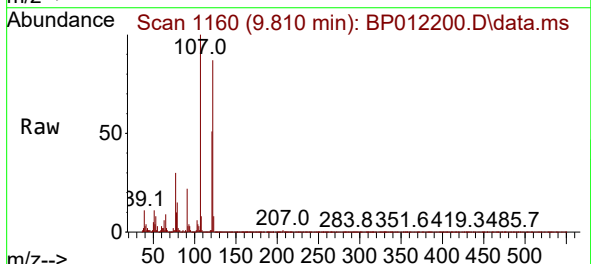
Instrument :
BNA_P
ClientSampleId :
SSTD010646

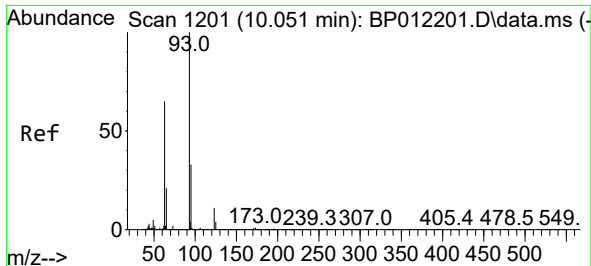
Tgt Ion:139 Resp: 166268
Ion Ratio Lower Upper
139 100
65 46.5 38.0 57.0
109 27.6 21.6 32.4



#26
2,4-Dimethylphenol
Concen: 10.239 ng/ul
RT: 9.810 min Scan# 1160
Delta R.T. 0.000 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

Tgt Ion:107 Resp: 346132
Ion Ratio Lower Upper
107 100
121 50.8 40.6 60.8
122 87.3 71.0 106.6





#27

Bis(2-Chloroethoxy)methane

Concen: 10.400 ng/ul

RT: 10.051 min Scan# 1201

Delta R.T. 0.000 min

Lab File: BP012200.D

Acq: 19 Oct 2022 12:14

Instrument :

BNA_P

ClientSampleId :

SSTD010646

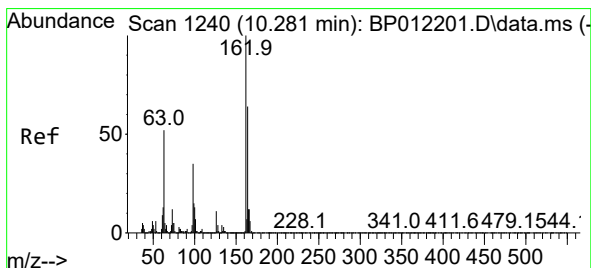
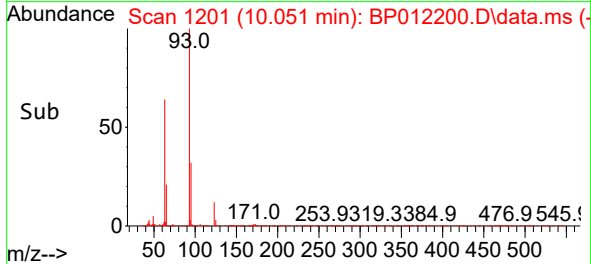
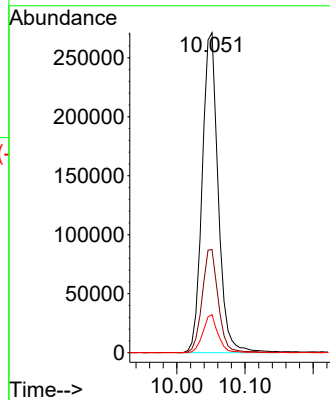
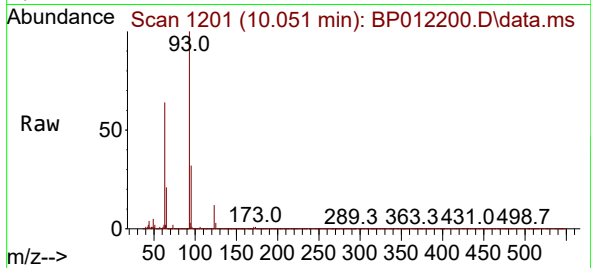
Tgt Ion: 93 Resp: 441980

Ion Ratio Lower Upper

93 100

95 32.2 26.2 39.4

123 11.9 9.0 13.6



#29

2,4-Dichlorophenol

Concen: 10.309 ng/ul

RT: 10.281 min Scan# 1240

Delta R.T. 0.000 min

Lab File: BP012200.D

Acq: 19 Oct 2022 12:14

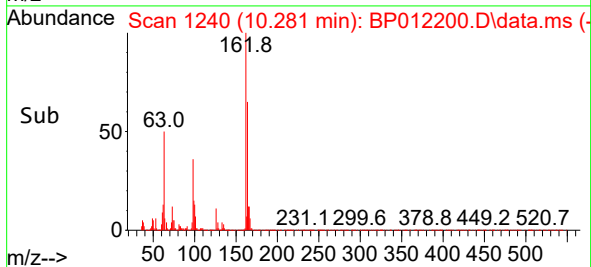
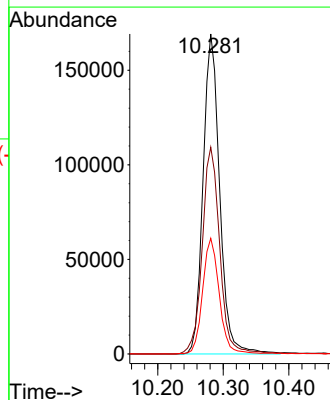
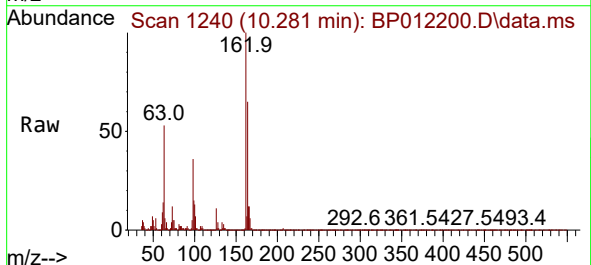
Tgt Ion:162 Resp: 298281

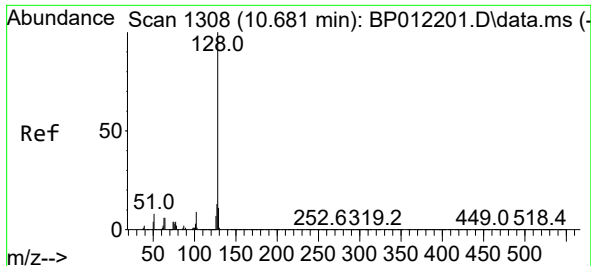
Ion Ratio Lower Upper

162 100

164 64.6 51.2 76.8

98 36.2 28.3 42.5

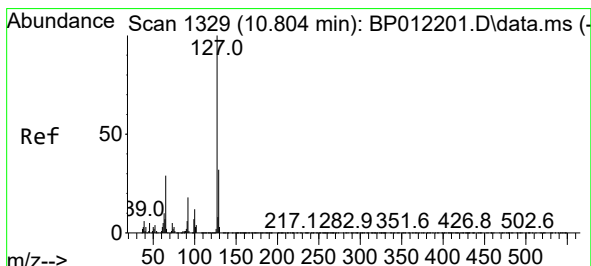
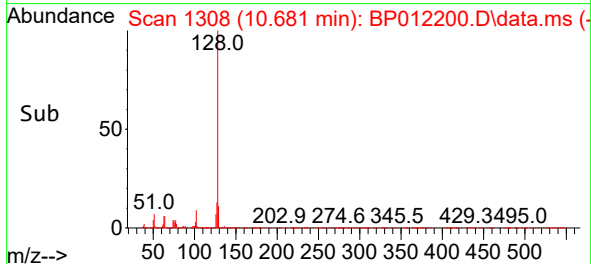
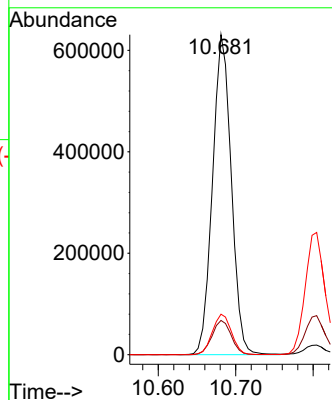
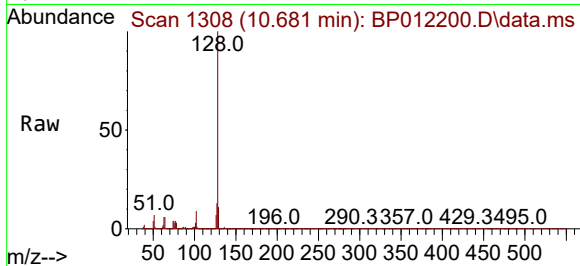




#30
Naphthalene
Concen: 10.236 ng/ul
RT: 10.681 min Scan# 1308
Delta R.T. 0.000 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

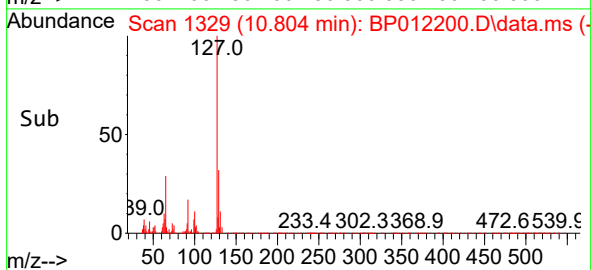
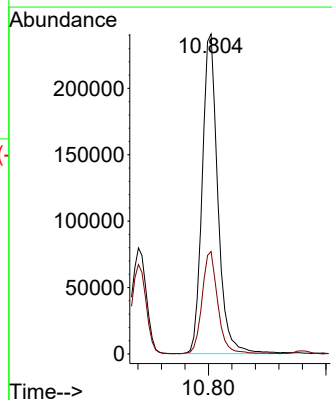
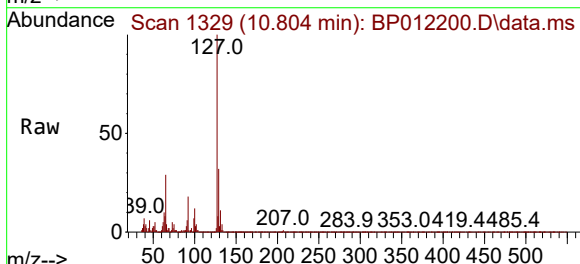
Instrument :
BNA_P
ClientSampleId :
SSTD010646

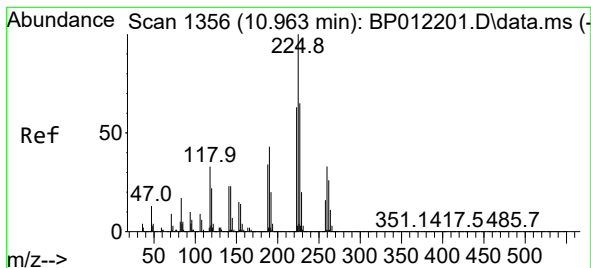
Tgt Ion:128 Resp: 1059482
Ion Ratio Lower Upper
128 100
129 10.7 8.8 13.2
127 12.7 10.2 15.4



#32
4-Chloroaniline
Concen: 10.830 ng/ul
RT: 10.804 min Scan# 1329
Delta R.T. 0.000 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

Tgt Ion:127 Resp: 443668
Ion Ratio Lower Upper
127 100
129 32.0 25.6 38.4





#33

Hexachlorobutadiene

Concen: 10.003 ng/ul

RT: 10.963 min Scan# 1356

Delta R.T. 0.000 min

Lab File: BP012200.D

Acq: 19 Oct 2022 12:14

Instrument :

BNA_P

ClientSampleId :

SSTD010646

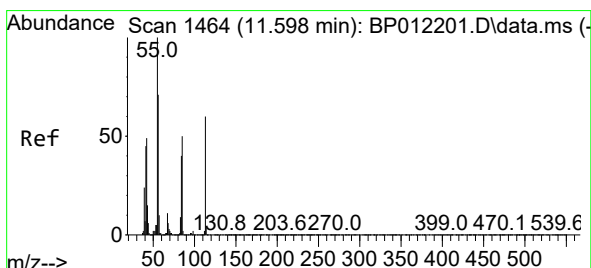
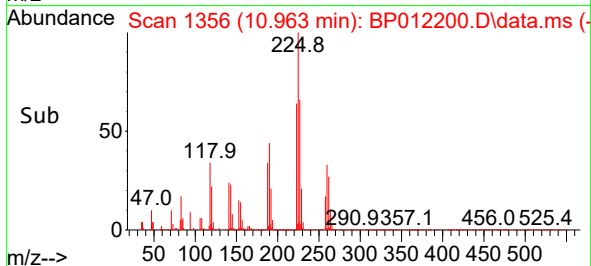
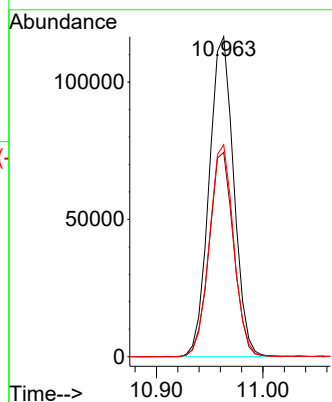
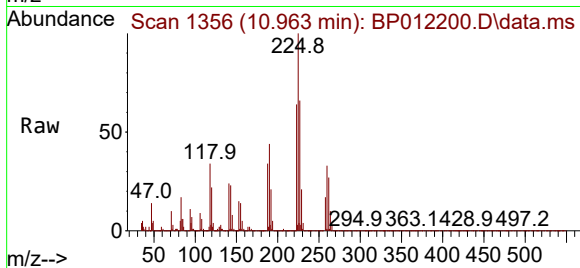
Tgt Ion:225 Resp: 186999

Ion Ratio Lower Upper

225 100

223 63.9 50.2 75.4

227 66.2 51.9 77.9



#34

Caprolactam

Concen: 9.887 ng/ul

RT: 11.598 min Scan# 1464

Delta R.T. 0.000 min

Lab File: BP012200.D

Acq: 19 Oct 2022 12:14

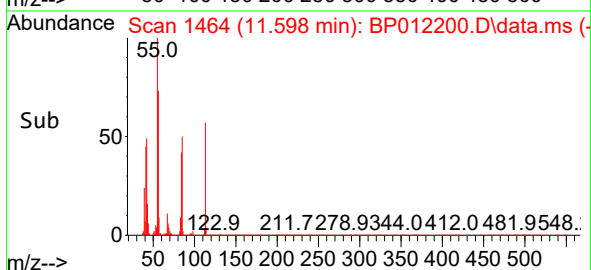
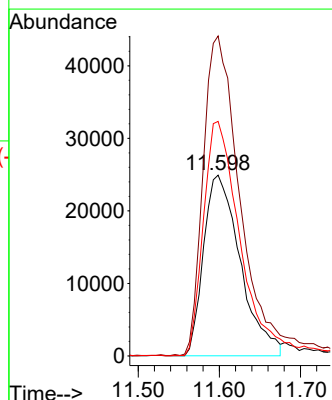
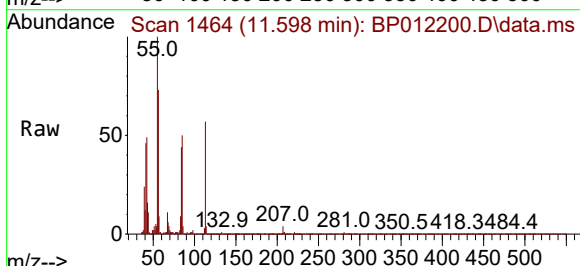
Tgt Ion:113 Resp: 78331

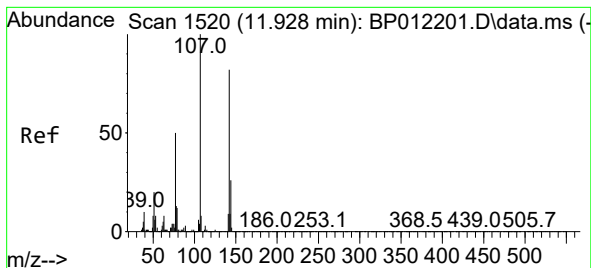
Ion Ratio Lower Upper

113 100

55 176.9 133.7 200.5

56 129.7 95.4 143.2

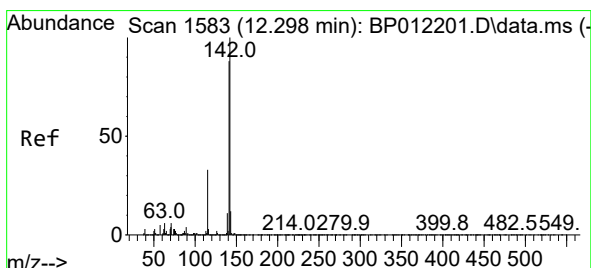
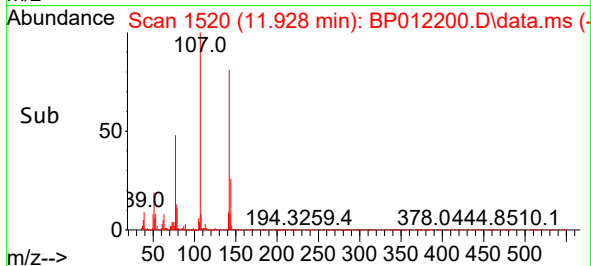
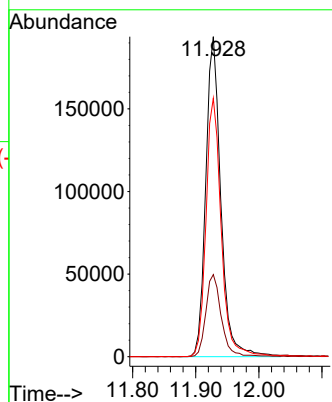
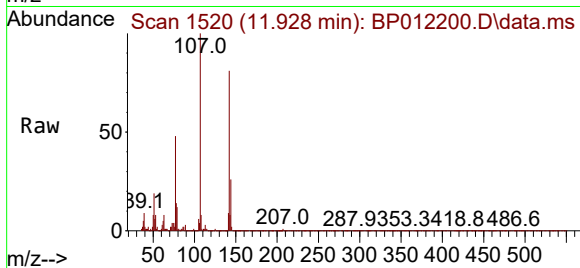




#35
4-Chloro-3-methylphenol
Concen: 10.977 ng/ul
RT: 11.928 min Scan# 1520
Delta R.T. 0.000 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

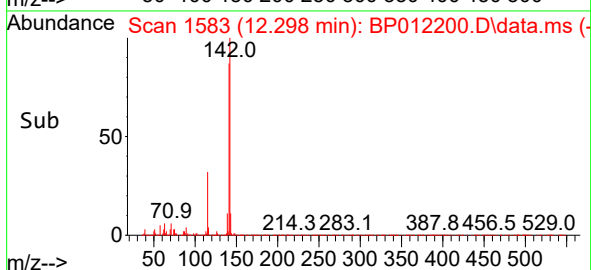
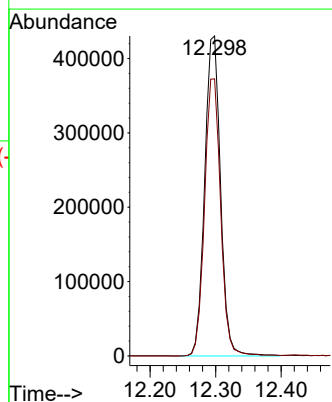
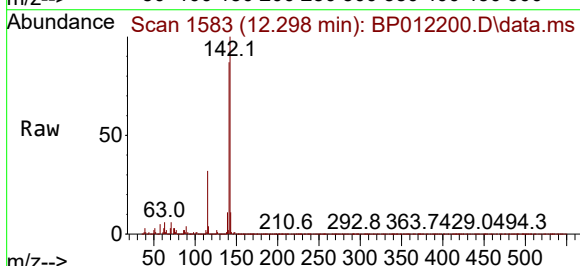
Instrument :
BNA_P
ClientSampleId :
SSTD010646

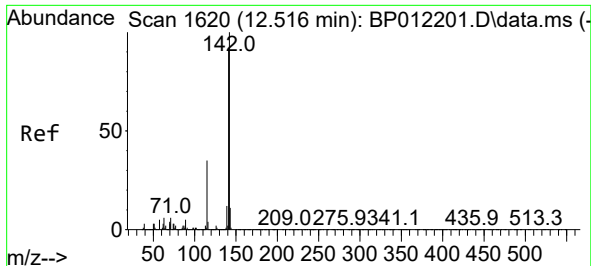
Tgt Ion:107 Resp: 321876
Ion Ratio Lower Upper
107 100
144 25.6 21.2 31.8
142 80.8 65.5 98.3



#36
2-Methylnaphthalene
Concen: 10.748 ng/ul
RT: 12.298 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

Tgt Ion:142 Resp: 723687
Ion Ratio Lower Upper
142 100
141 86.6 70.3 105.5

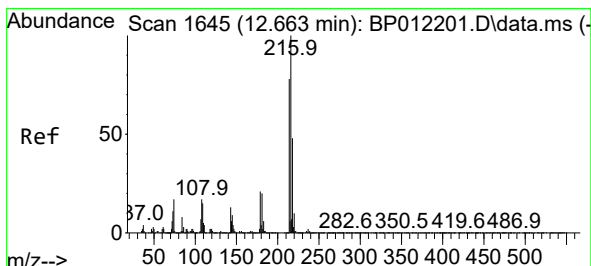
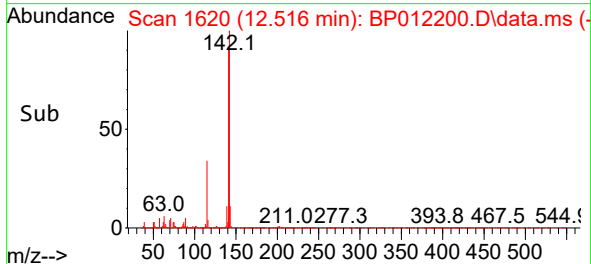
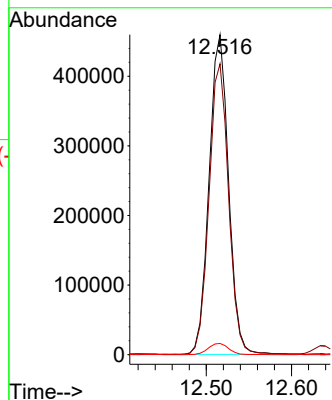
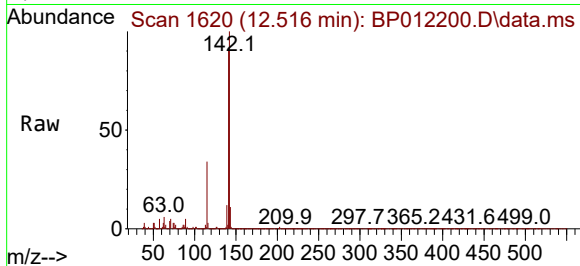




#37
1-Methylnaphthalene
Concen: 10.853 ng/ul
RT: 12.516 min Scan# 1620
Delta R.T. 0.000 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

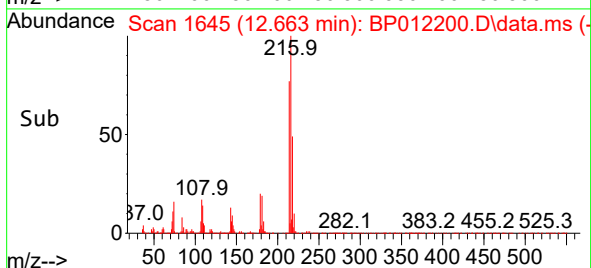
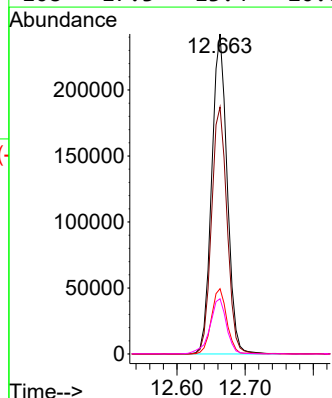
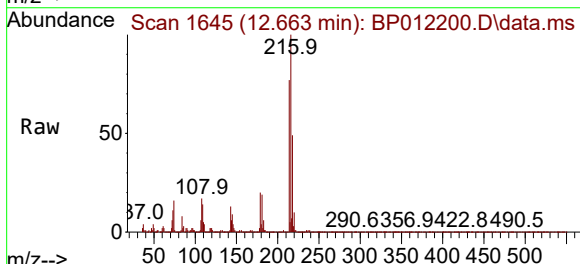
Instrument :
BNA_P
ClientSampleId :
SSTD010646

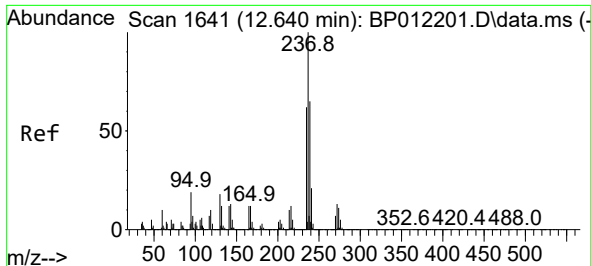
Tgt Ion:142 Resp: 728296
Ion Ratio Lower Upper
142 100
141 90.9 73.4 110.0
116 3.5 3.0 4.4



#39
1,2,4,5-Tetrachlorobenzene
Concen: 9.791 ng/ul
RT: 12.663 min Scan# 1645
Delta R.T. 0.000 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

Tgt Ion:216 Resp: 382488
Ion Ratio Lower Upper
216 100
214 77.1 62.5 93.7
179 20.4 16.5 24.7
108 17.3 13.4 20.0

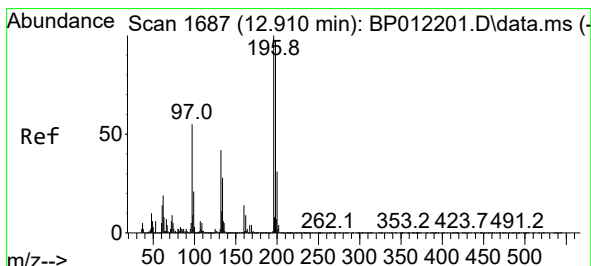
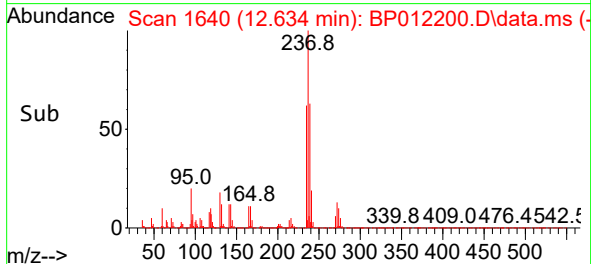
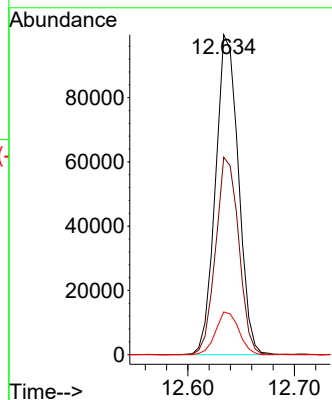
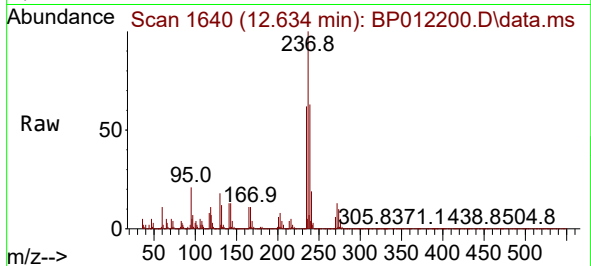




#40
Hexachlorocyclopentadiene
Concen: 7.311 ng/ul
RT: 12.634 min Scan# 1640
Delta R.T. -0.006 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

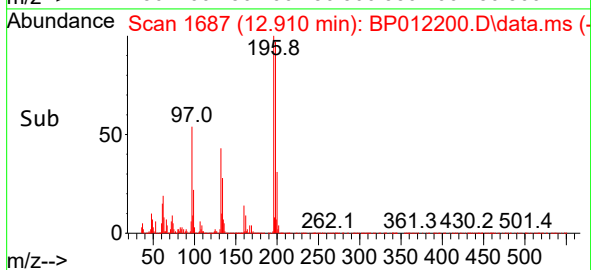
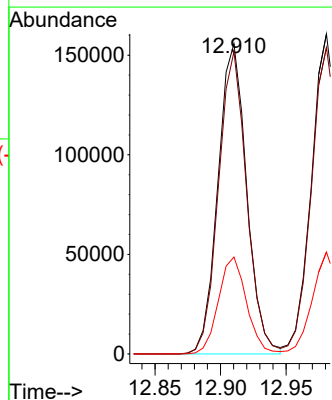
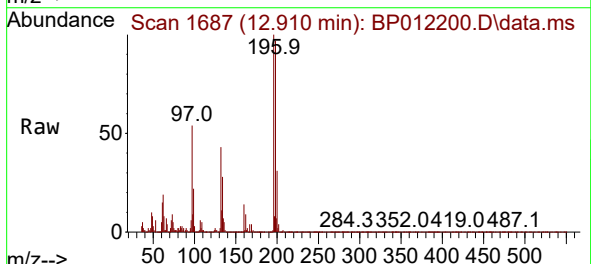
Instrument :
BNA_P
ClientSampleId :
SSTD010646

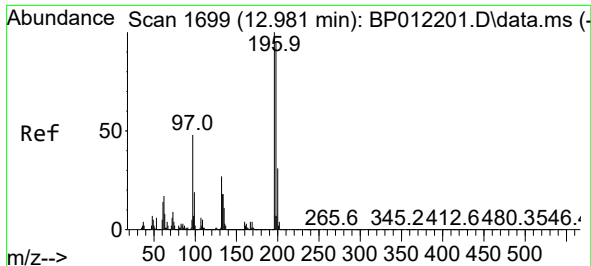
Tgt Ion:237 Resp: 148904
Ion Ratio Lower Upper
237 100
235 61.7 49.4 74.0
272 13.3 10.5 15.7



#41
2,4,6-Trichlorophenol
Concen: 9.816 ng/ul
RT: 12.910 min Scan# 1687
Delta R.T. 0.000 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

Tgt Ion:196 Resp: 236875
Ion Ratio Lower Upper
196 100
198 97.5 77.4 116.2
200 31.3 24.6 36.8

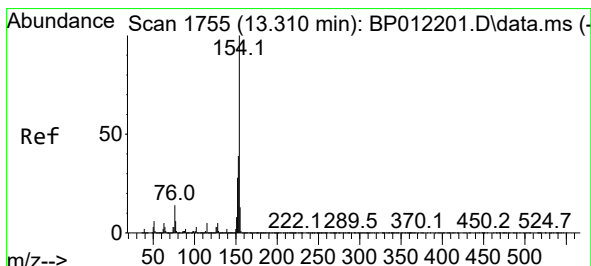
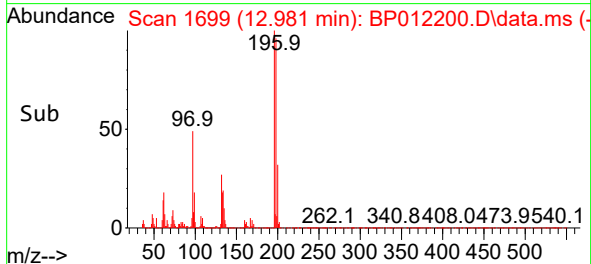
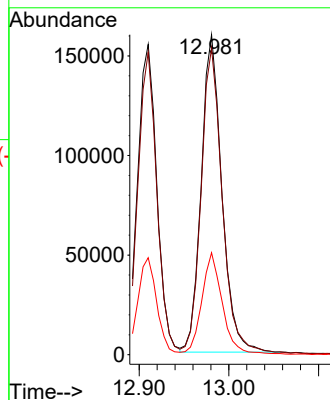
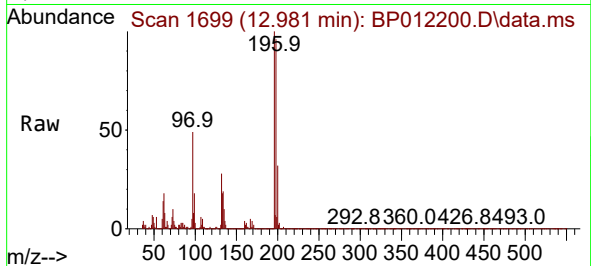




#42
2,4,5-Trichlorophenol
Concen: 9.958 ng/ul
RT: 12.981 min Scan# 1699
Delta R.T. 0.000 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

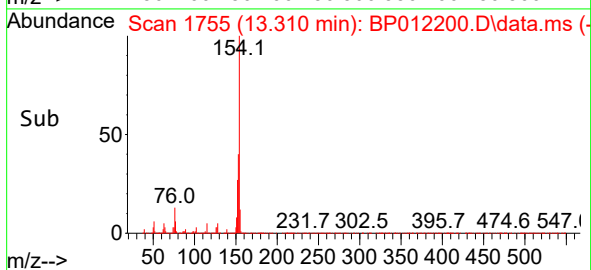
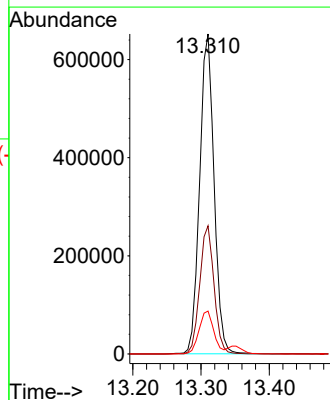
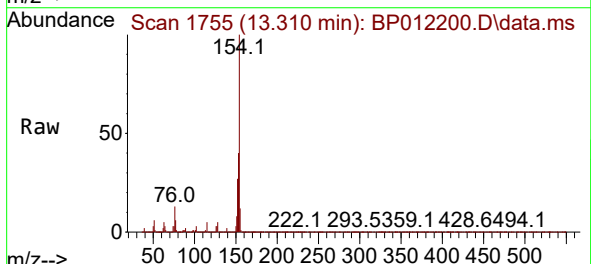
Instrument :
BNA_P
ClientSampleId :
SSTD010646

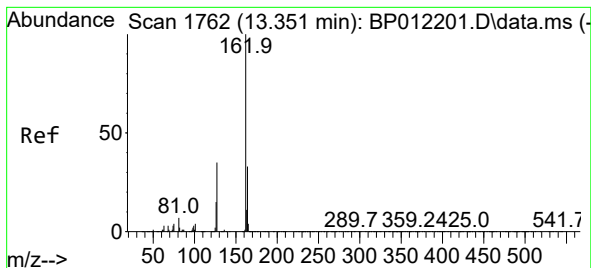
Tgt Ion:196 Resp: 254884
Ion Ratio Lower Upper
196 100
198 95.7 76.2 114.2
200 31.8 24.7 37.1



#43
1,1'-Biphenyl
Concen: 10.043 ng/ul
RT: 13.310 min Scan# 1755
Delta R.T. 0.000 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

Tgt Ion:154 Resp: 955548
Ion Ratio Lower Upper
154 100
153 40.0 31.5 47.3
76 13.4 11.0 16.4





#44

2-Chloronaphthalene

Concen: 10.017 ng/ul

RT: 13.351 min Scan# 1762

Delta R.T. 0.000 min

Lab File: BP012200.D

Acq: 19 Oct 2022 12:14

Instrument :

BNA_P

ClientSampleId :

SSTD010646

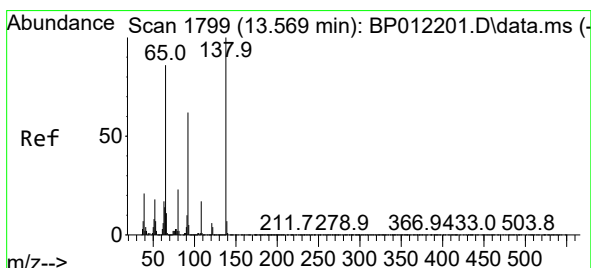
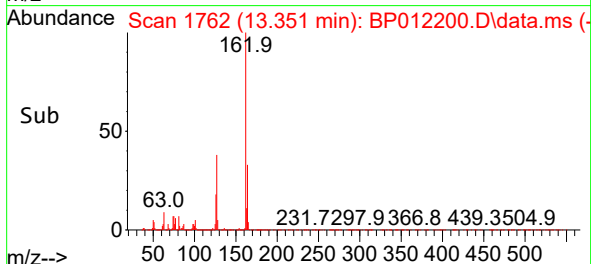
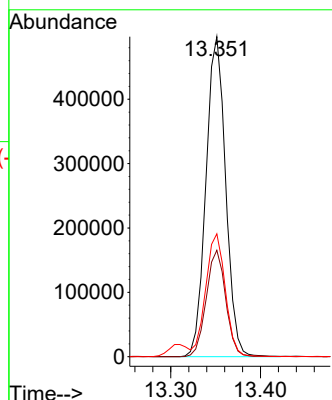
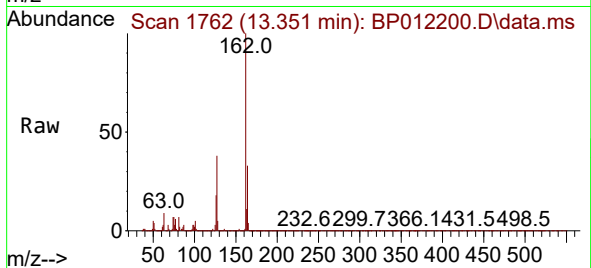
Tgt Ion:162 Resp: 757786

Ion Ratio Lower Upper

162 100

164 33.2 26.1 39.1

127 38.4 30.8 46.2



#45

2-Nitroaniline

Concen: 10.212 ng/ul

RT: 13.563 min Scan# 1798

Delta R.T. -0.006 min

Lab File: BP012200.D

Acq: 19 Oct 2022 12:14

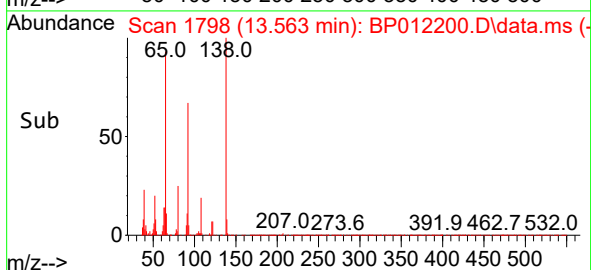
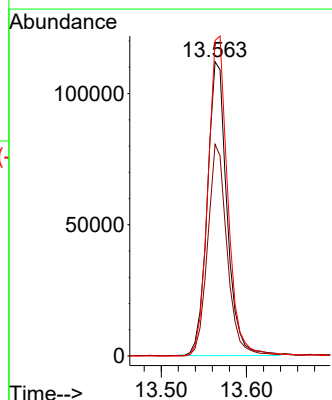
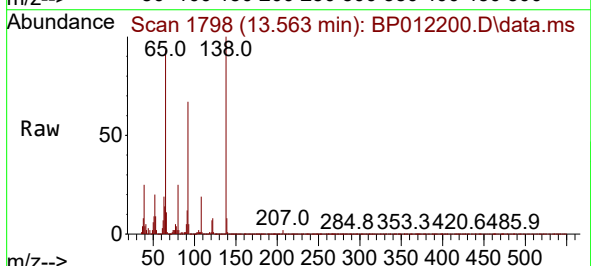
Tgt Ion: 65 Resp: 179991

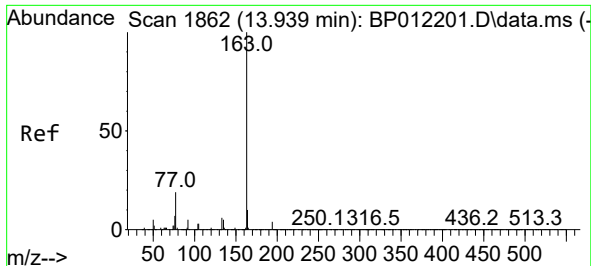
Ion Ratio Lower Upper

65 100

92 71.9 57.5 86.3

138 107.3 92.5 138.7

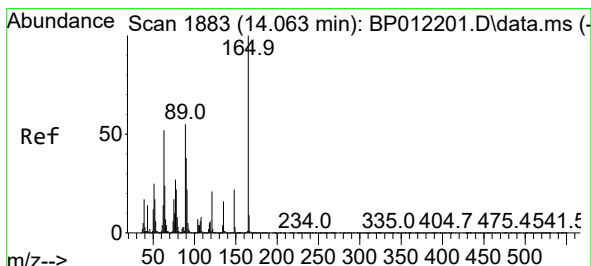
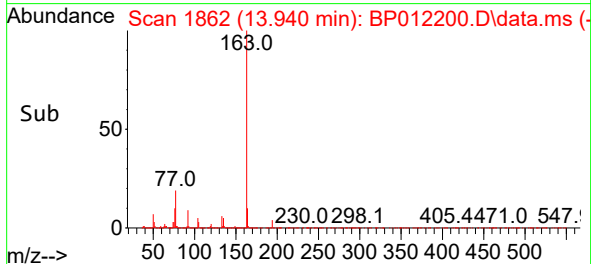
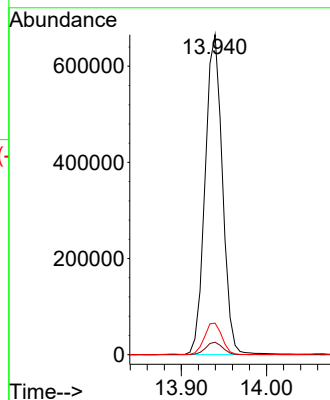
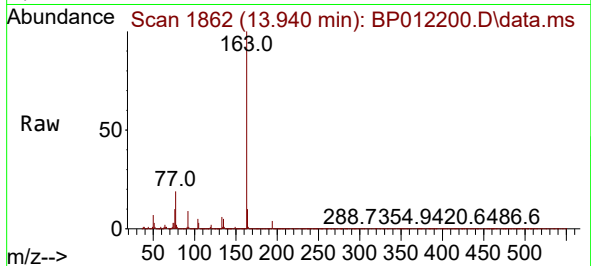




#47
Dimethylphthalate
Concen: 10.847 ng/ul
RT: 13.940 min Scan# 1862
Delta R.T. 0.000 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

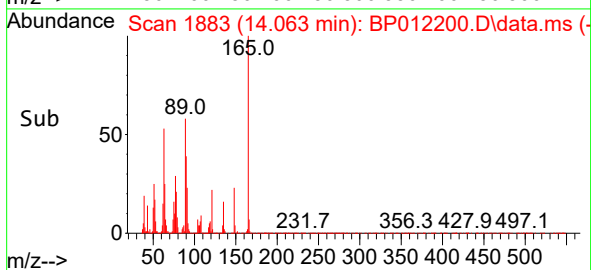
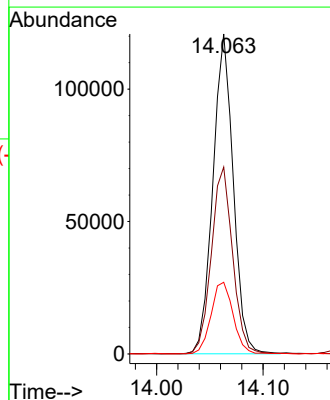
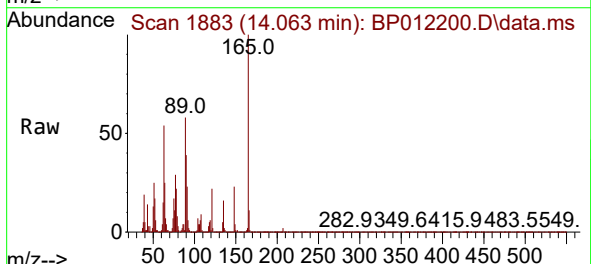
Instrument :
BNA_P
ClientSampleId :
SSTD010646

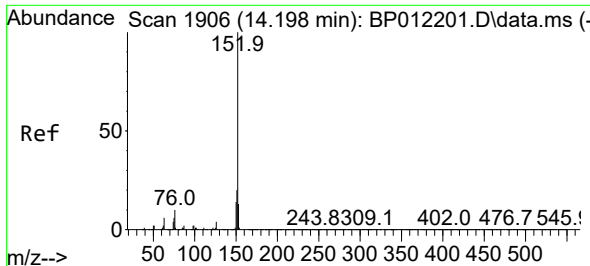
Tgt Ion:163 Resp: 937556
Ion Ratio Lower Upper
163 100
194 3.9 3.0 4.6
164 9.9 8.1 12.1



#48
2,6-Dinitrotoluene
Concen: 10.710 ng/ul
RT: 14.063 min Scan# 1883
Delta R.T. 0.000 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

Tgt Ion:165 Resp: 160498
Ion Ratio Lower Upper
165 100
89 58.4 43.9 65.9
121 22.4 17.1 25.7

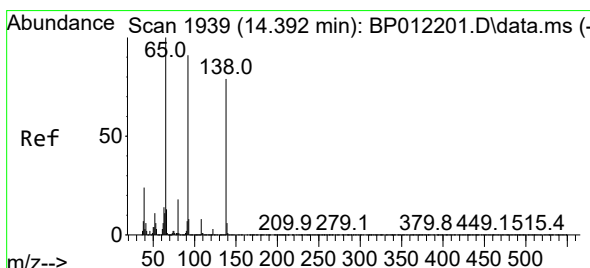
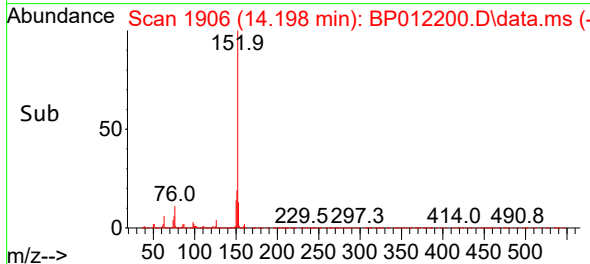
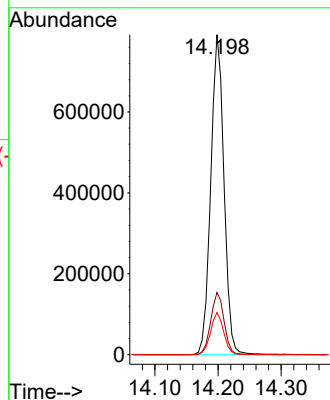
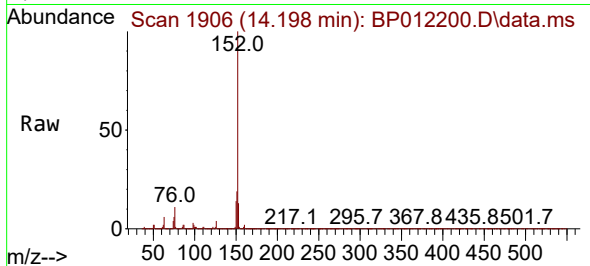




#50
Acenaphthylene
Concen: 10.457 ng/ul
RT: 14.198 min Scan# 1906
Delta R.T. 0.000 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

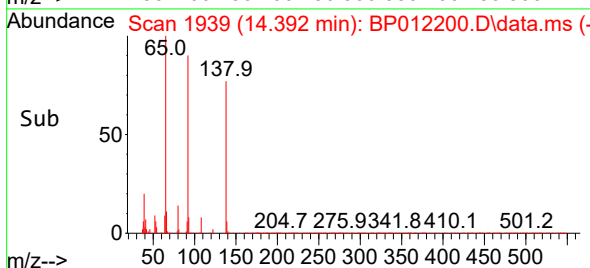
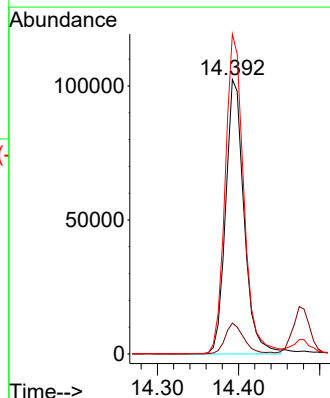
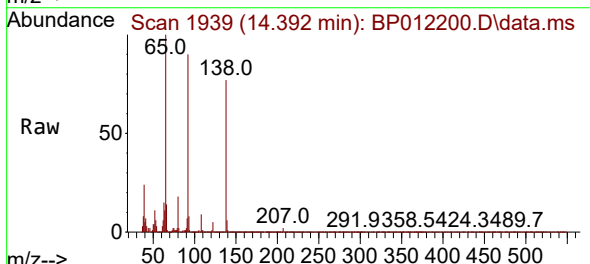
Instrument :
BNA_P
ClientSampleId :
SSTD010646

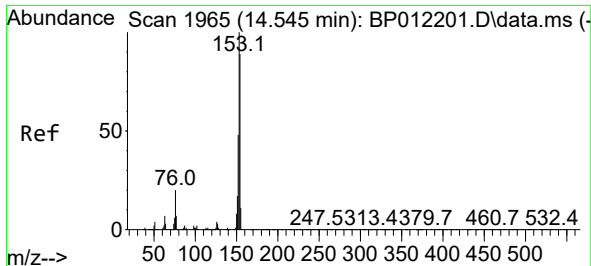
Tgt Ion:152 Resp: 1152252
Ion Ratio Lower Upper
152 100
151 19.5 15.8 23.8
153 13.2 10.6 16.0



#51
3-Nitroaniline
Concen: 9.608 ng/ul
RT: 14.392 min Scan# 1939
Delta R.T. 0.000 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

Tgt Ion:138 Resp: 161225
Ion Ratio Lower Upper
138 100
108 11.2 8.2 12.2
92 116.6 93.1 139.7

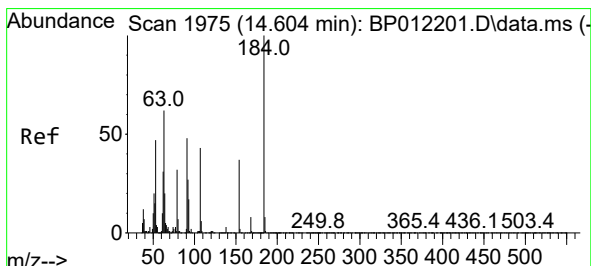
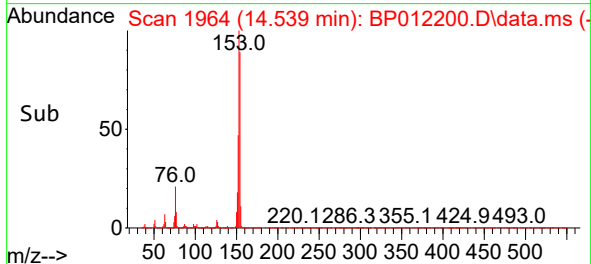
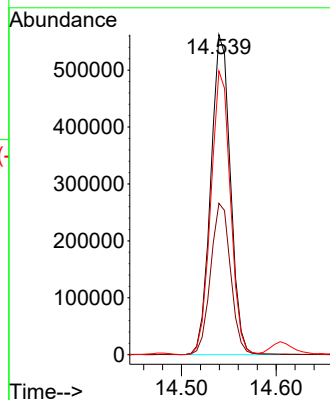
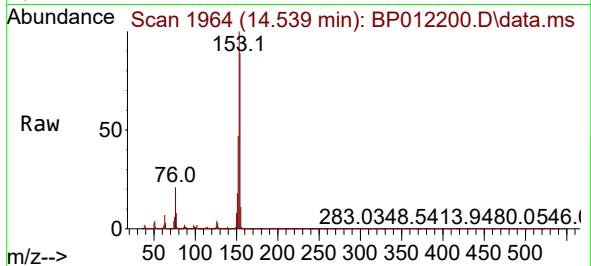




#52
Acenaphthene
Concen: 10.249 ng/ul
RT: 14.539 min Scan# 1964
Delta R.T. -0.006 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

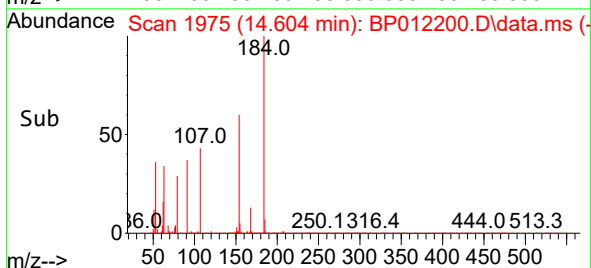
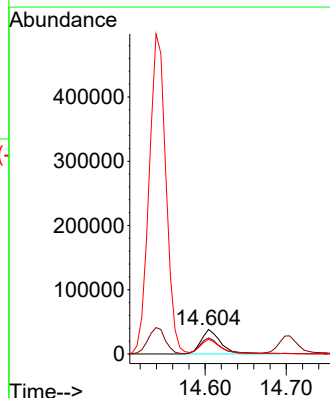
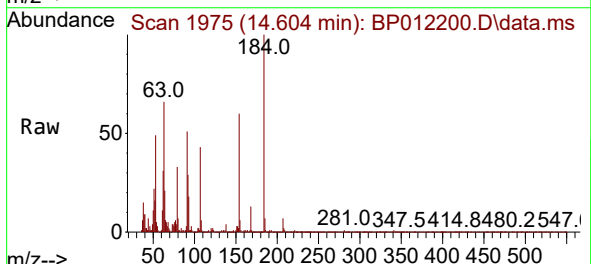
Instrument :
BNA_P
ClientSampleId :
SSTD010646

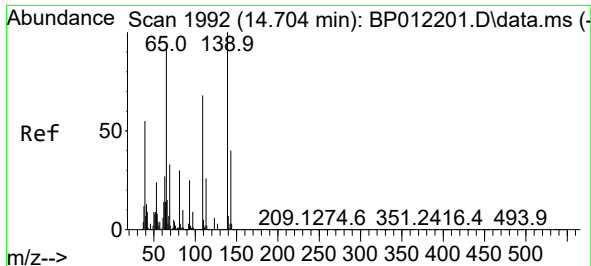
Tgt Ion:153 Resp: 808138
Ion Ratio Lower Upper
153 100
152 47.3 38.1 57.1
154 88.6 71.4 107.2



#53
2,4-Dinitrophenol
Concen: 6.591 ng/ul
RT: 14.604 min Scan# 1975
Delta R.T. 0.000 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

Tgt Ion:184 Resp: 64814
Ion Ratio Lower Upper
184 100
63 65.6 51.1 76.7
154 60.2 47.2 70.8

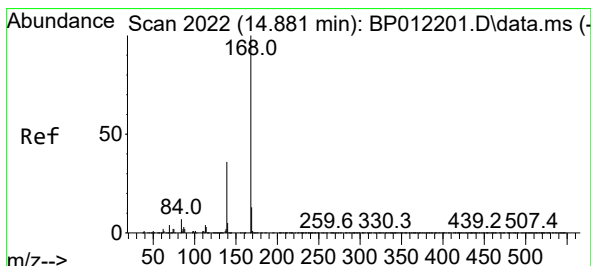
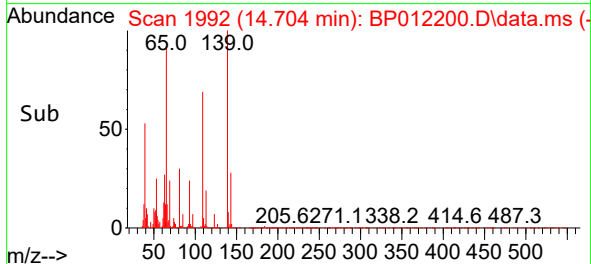
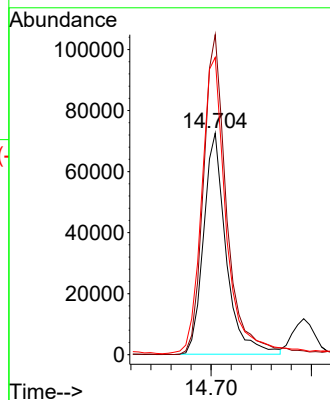
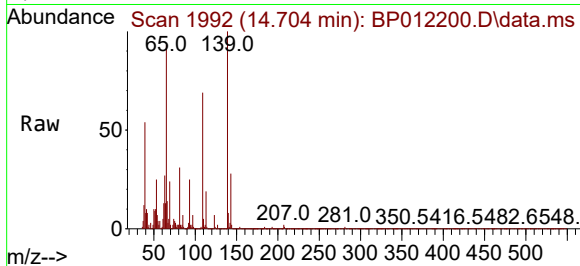




#55
4-Nitrophenol
Concen: 10.098 ng/ul
RT: 14.704 min Scan# 1992
Delta R.T. 0.000 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

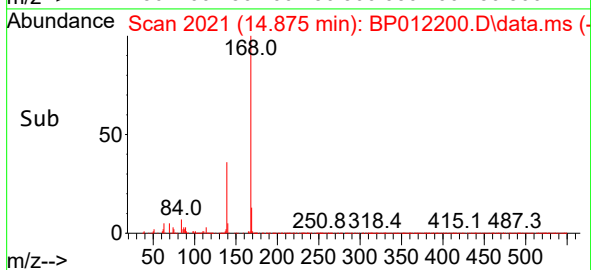
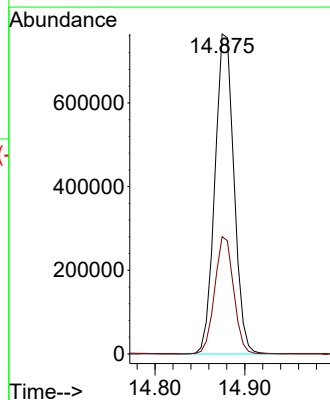
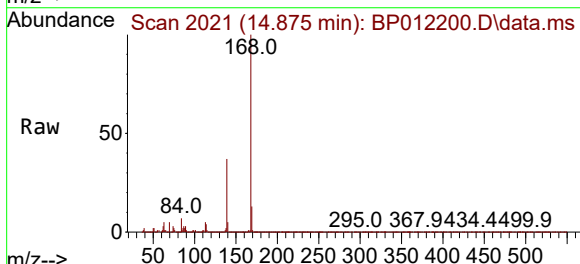
Instrument :
BNA_P
ClientSampleId :
SSTD010646

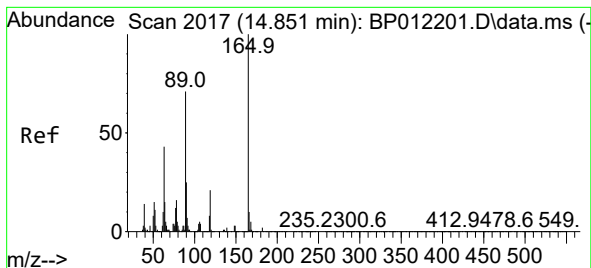
Tgt Ion:109 Resp: 112967
Ion Ratio Lower Upper
109 100
139 144.4 118.5 177.7
65 134.2 110.5 165.7



#56
Dibenzofuran
Concen: 10.553 ng/ul
RT: 14.875 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

Tgt Ion:168 Resp: 1130393
Ion Ratio Lower Upper
168 100
139 36.7 29.0 43.4

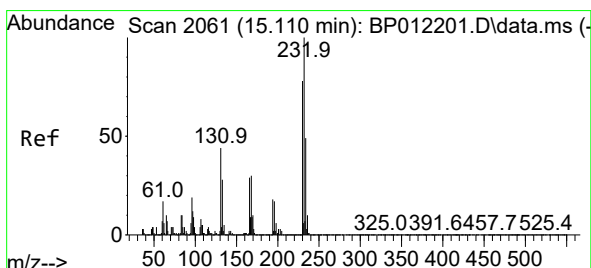
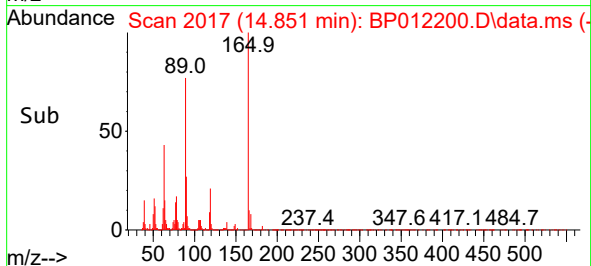
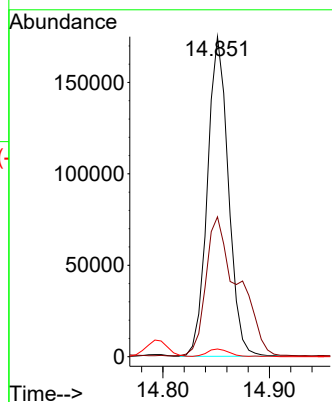
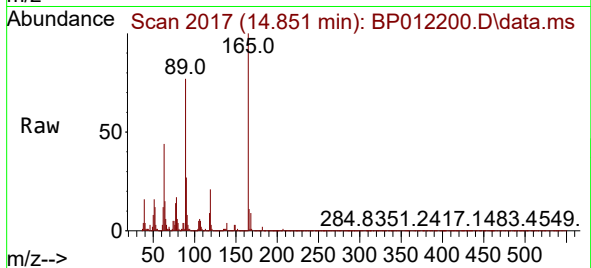




#57
2,4-Dinitrotoluene
Concen: 11.080 ng/ul
RT: 14.851 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

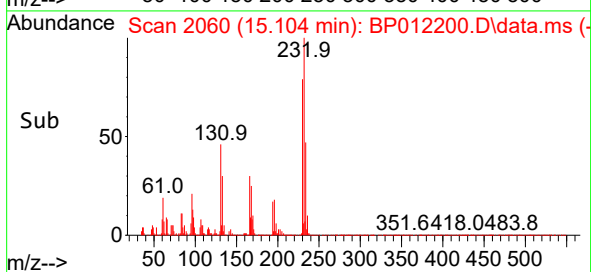
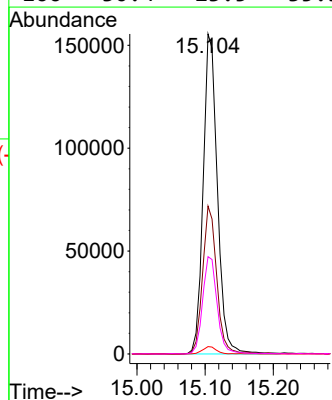
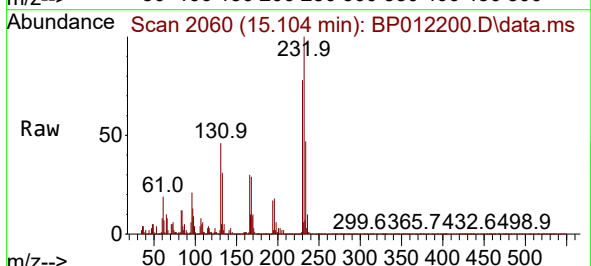
Instrument :
BNA_P
ClientSampleId :
SSTD010646

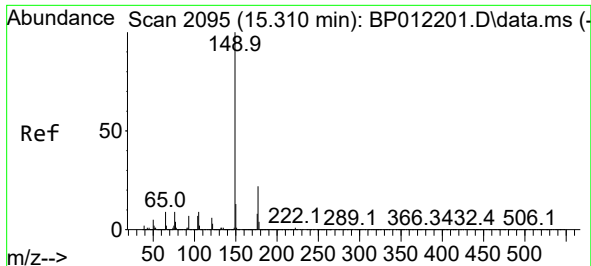
Tgt Ion:165 Resp: 239072
Ion Ratio Lower Upper
165 100
63 43.7 34.1 51.1
182 2.4 2.1 3.1



#58
2,3,4,6-Tetrachlorophenol
Concen: 10.841 ng/ul
RT: 15.104 min Scan# 2060
Delta R.T. -0.006 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

Tgt Ion:232 Resp: 225604
Ion Ratio Lower Upper
232 100
131 46.2 35.0 52.4
130 2.3 1.8 2.8
166 30.4 23.5 35.3

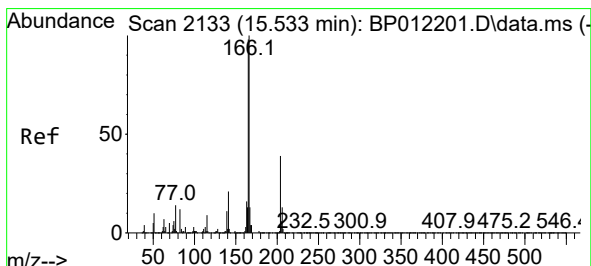
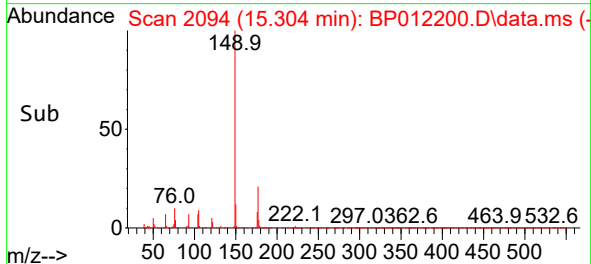
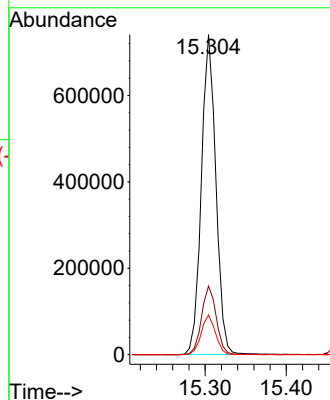
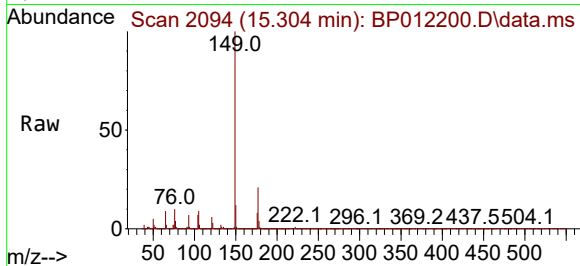




#59
Diethylphthalate
Concen: 11.186 ng/ul
RT: 15.304 min Scan# 2094
Delta R.T. -0.006 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

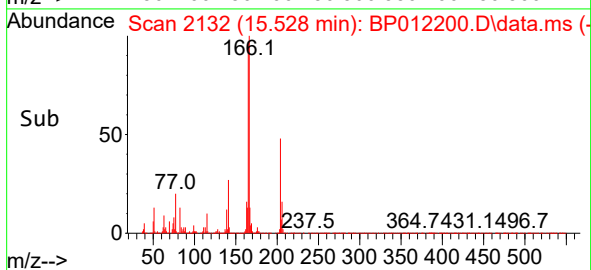
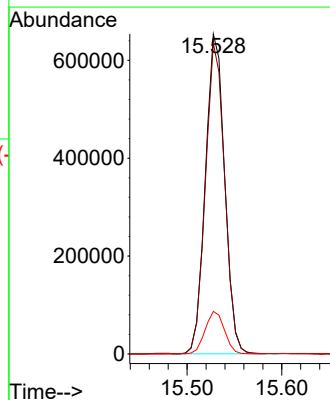
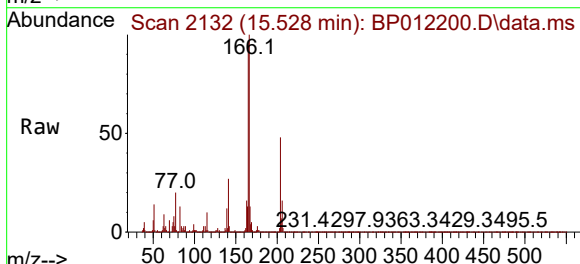
Instrument :
BNA_P
ClientSampleId :
SSTD010646

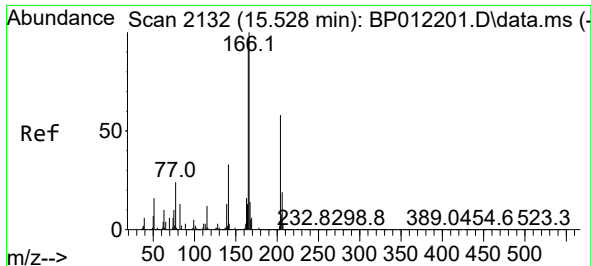
Tgt Ion:149 Resp: 918781
Ion Ratio Lower Upper
149 100
177 21.4 17.9 26.9
150 12.4 10.1 15.1



#61
Fluorene
Concen: 10.933 ng/ul
RT: 15.528 min Scan# 2132
Delta R.T. -0.006 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

Tgt Ion:166 Resp: 919869
Ion Ratio Lower Upper
166 100
165 97.2 78.0 117.0
167 13.3 10.7 16.1

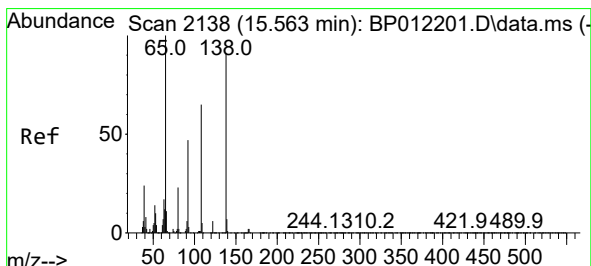
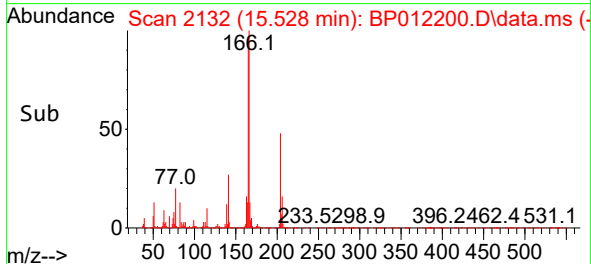
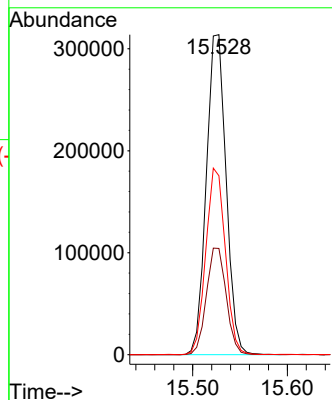
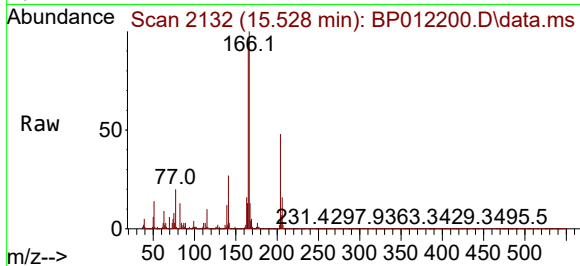




#62
4-Chlorophenyl-phenylether
Concen: 11.073 ng/ul
RT: 15.528 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

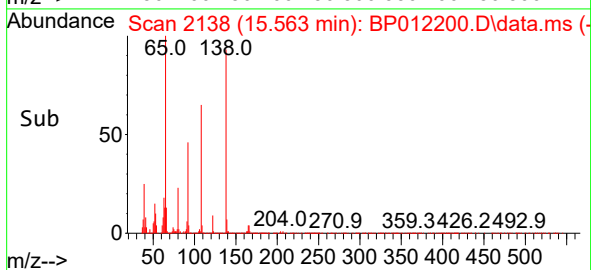
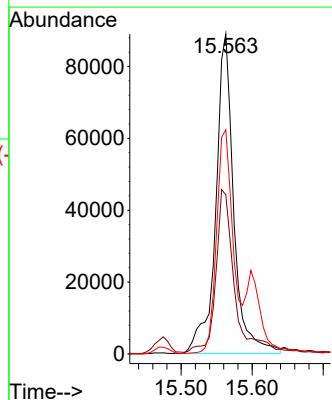
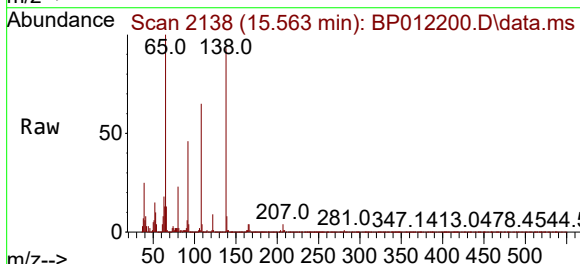
Instrument :
BNA_P
ClientSampleId :
SSTD010646

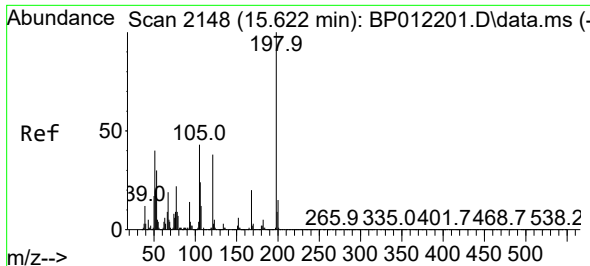
Tgt Ion:204 Resp: 454715
Ion Ratio Lower Upper
204 100
206 33.2 26.6 39.8
141 55.9 45.3 67.9



#63
4-Nitroaniline
Concen: 10.643 ng/ul
RT: 15.563 min Scan# 2138
Delta R.T. 0.000 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

Tgt Ion:138 Resp: 157209
Ion Ratio Lower Upper
138 100
92 49.7 41.6 62.4
108 70.1 57.0 85.6

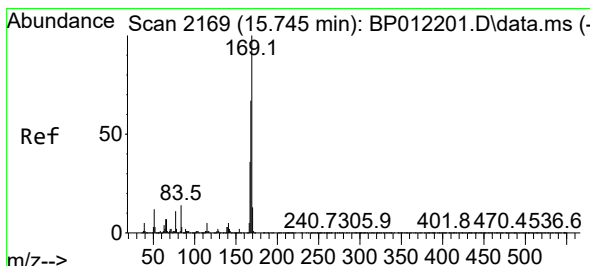
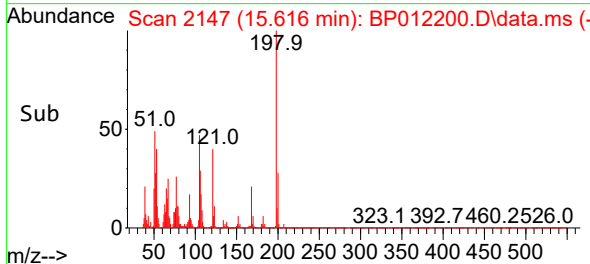
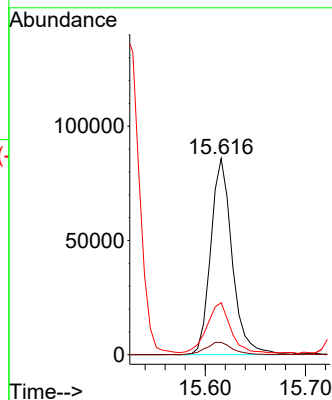
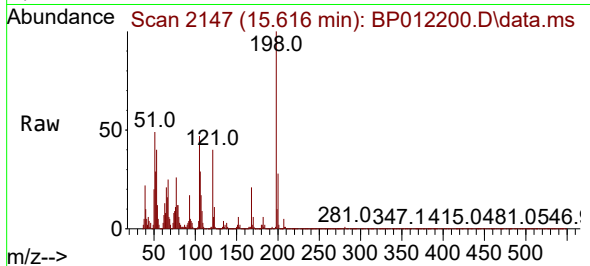




#66
4,6-Dinitro-2-methylphenol
Concen: 8.265 ng/ul
RT: 15.616 min Scan# 2147
Delta R.T. -0.006 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

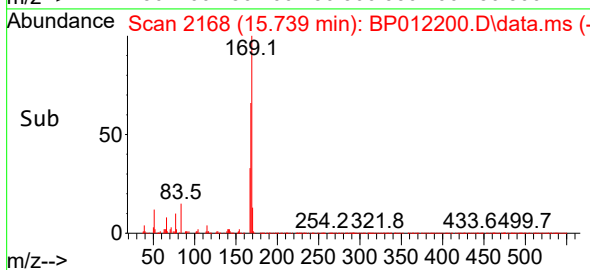
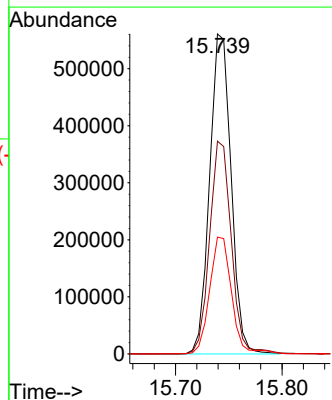
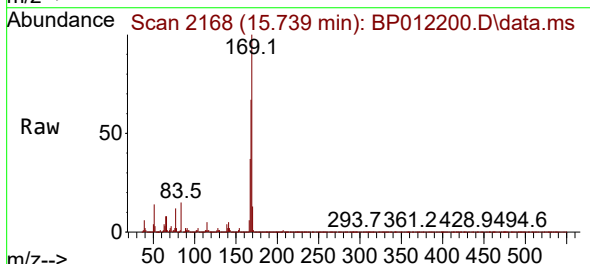
Instrument :
BNA_P
ClientSampleId :
SSTD010646

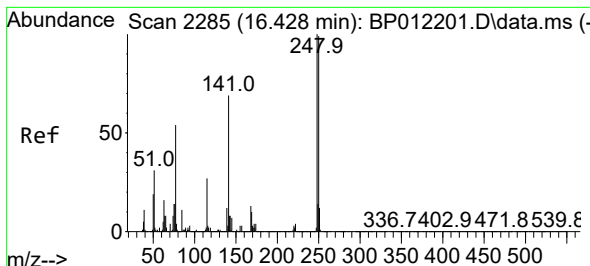
Tgt Ion:198 Resp: 127408
Ion Ratio Lower Upper
198 100
182 6.3 3.8 5.6#
77 26.5 17.8 26.6



#67
N-Nitrosodiphenylamine
Concen: 10.067 ng/ul
RT: 15.739 min Scan# 2168
Delta R.T. -0.006 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

Tgt Ion:169 Resp: 783858
Ion Ratio Lower Upper
169 100
168 66.5 53.4 80.0
167 36.5 29.2 43.8

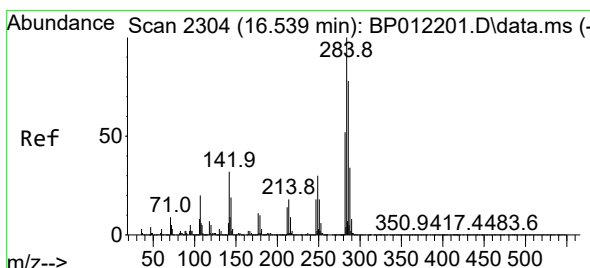
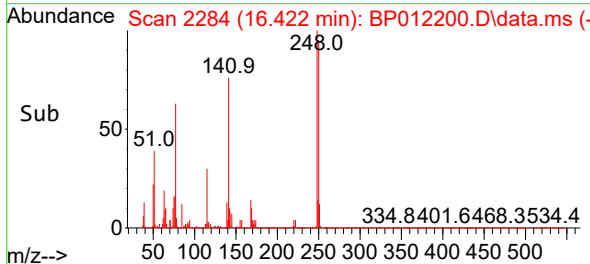
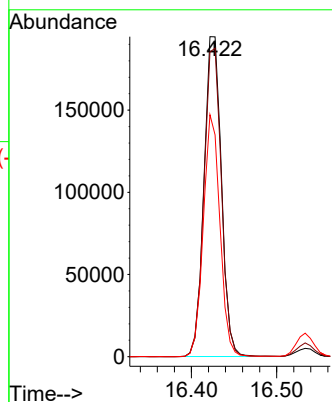
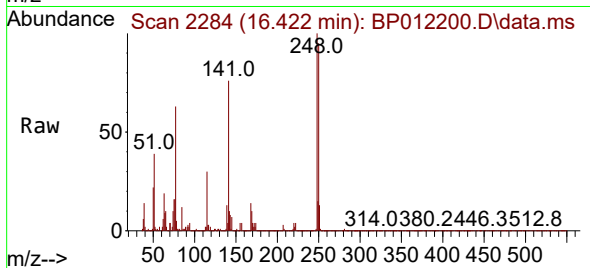




#68
4-Bromophenyl-phenylether
Concen: 10.176 ng/ul
RT: 16.422 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

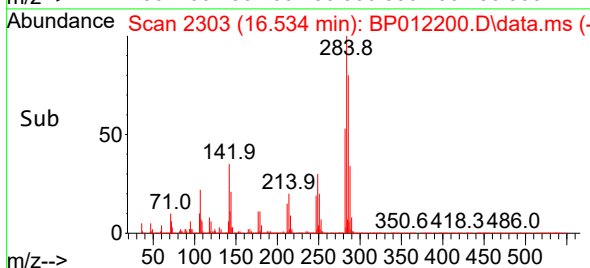
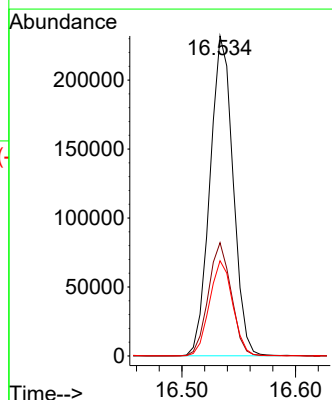
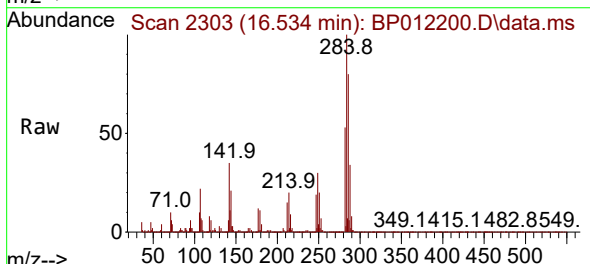
Instrument :
BNA_P
ClientSampleId :
SSTD010646

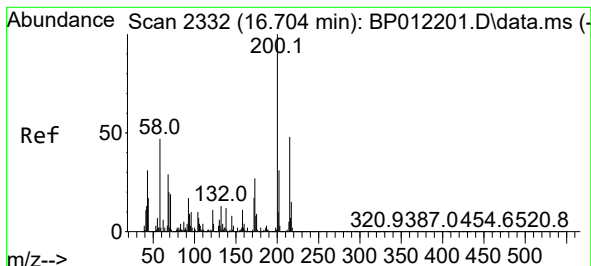
Tgt Ion:248 Resp: 276507
Ion Ratio Lower Upper
248 100
250 95.2 79.0 118.4
141 75.6 55.1 82.7



#69
Hexachlorobenzene
Concen: 10.131 ng/ul
RT: 16.534 min Scan# 2303
Delta R.T. -0.006 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

Tgt Ion:284 Resp: 328302
Ion Ratio Lower Upper
284 100
142 35.4 25.5 38.3
249 29.8 23.6 35.4





#70

Atrazine

Concen: 10.263 ng/ul

RT: 16.704 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP012200.D

Acq: 19 Oct 2022 12:14

Instrument :

BNA_P

ClientSampleId :

SSTD010646

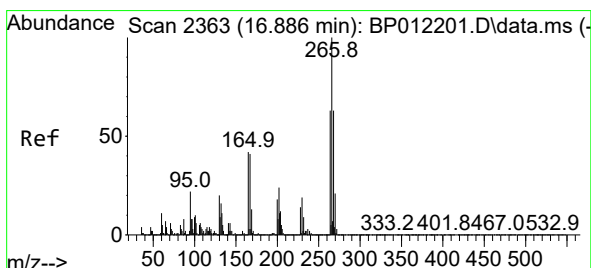
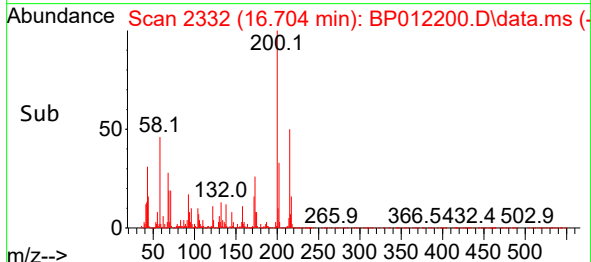
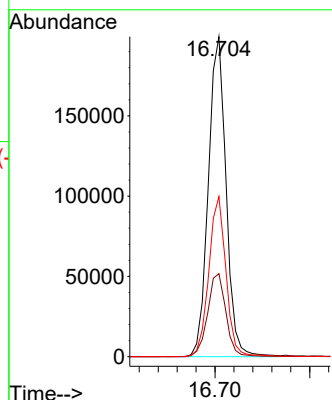
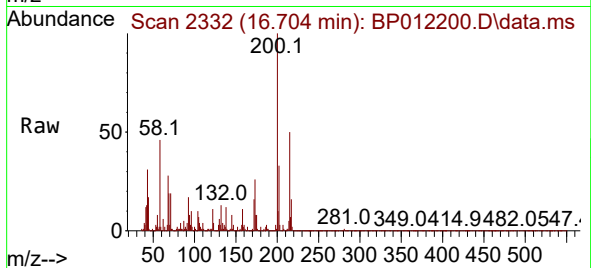
Tgt Ion:200 Resp: 259577

Ion Ratio Lower Upper

200 100

173 25.9 21.4 32.0

215 50.1 38.2 57.2



#71

Pentachlorophenol

Concen: 8.652 ng/ul

RT: 16.886 min Scan# 2363

Delta R.T. 0.000 min

Lab File: BP012200.D

Acq: 19 Oct 2022 12:14

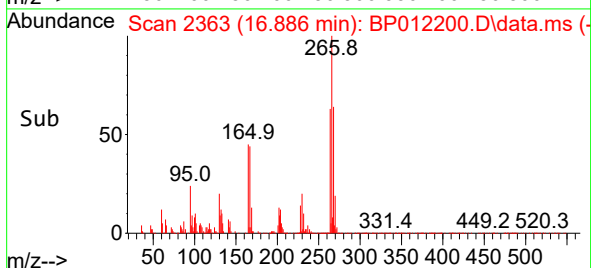
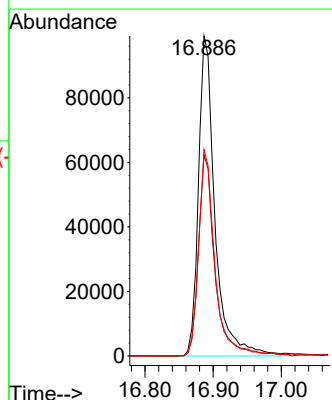
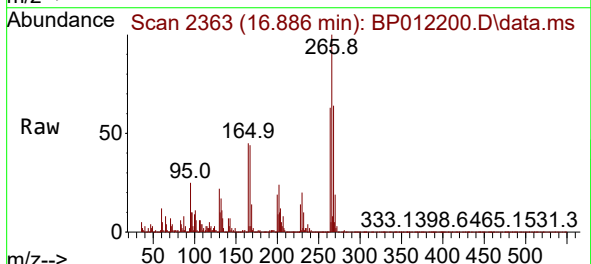
Tgt Ion:266 Resp: 165893

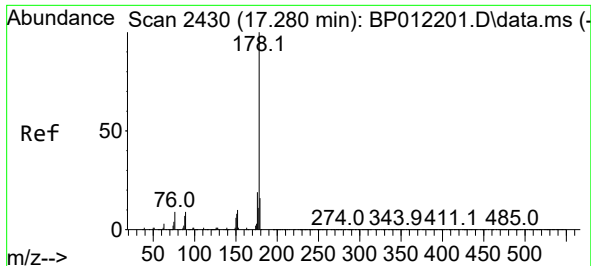
Ion Ratio Lower Upper

266 100

264 62.7 50.1 75.1

268 64.5 50.6 76.0

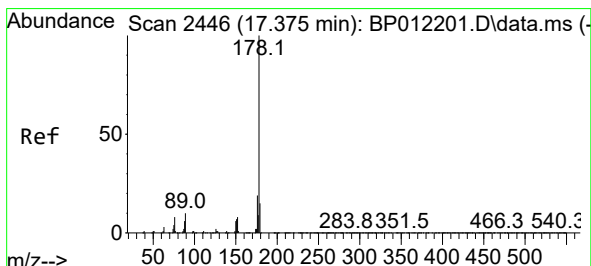
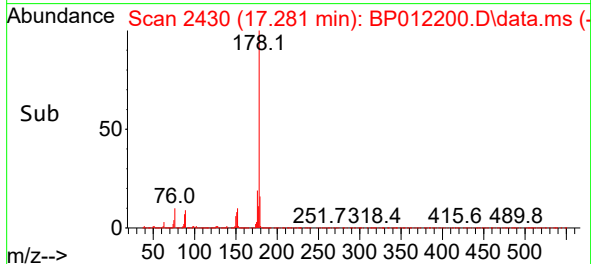
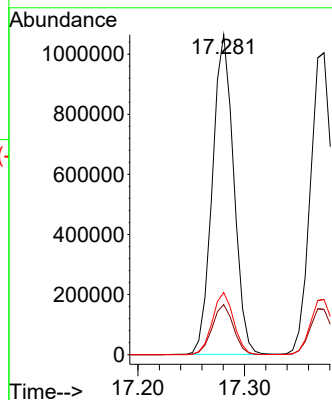
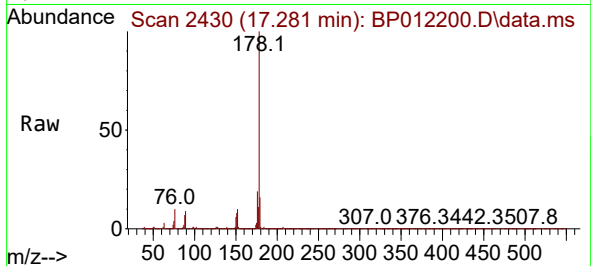




#72
Phenanthrene
Concen: 10.218 ng/ul
RT: 17.281 min Scan# 2430
Delta R.T. 0.000 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

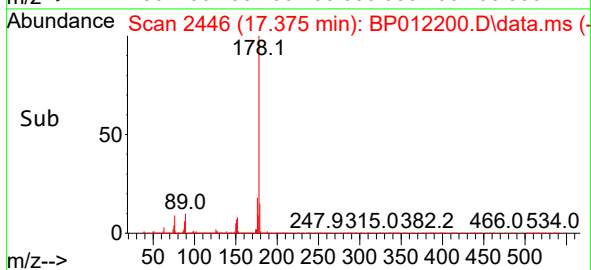
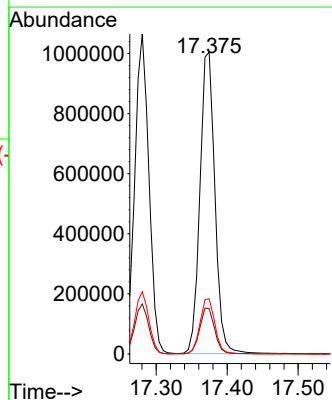
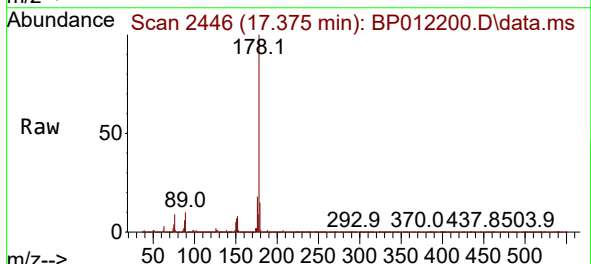
Instrument :
BNA_P
ClientSampleId :
SSTD010646

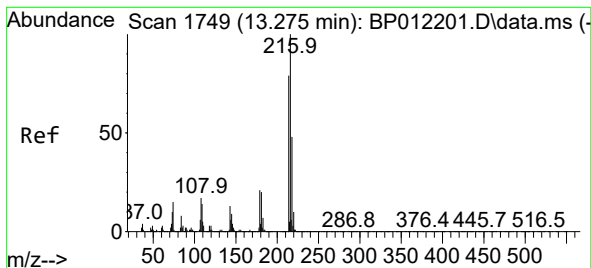
Tgt Ion:178 Resp: 1479594
Ion Ratio Lower Upper
178 100
179 15.6 12.6 18.8
176 19.4 15.6 23.4



#74
Anthracene
Concen: 10.338 ng/ul
RT: 17.375 min Scan# 2446
Delta R.T. 0.000 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

Tgt Ion:178 Resp: 1473706
Ion Ratio Lower Upper
178 100
179 15.0 12.3 18.5
176 18.3 15.0 22.4

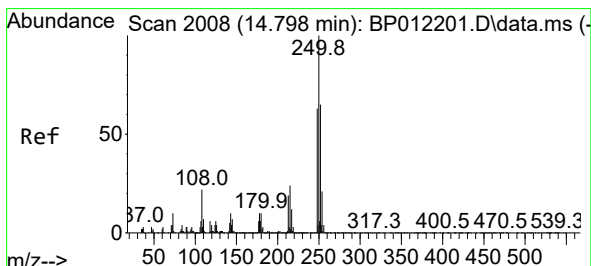
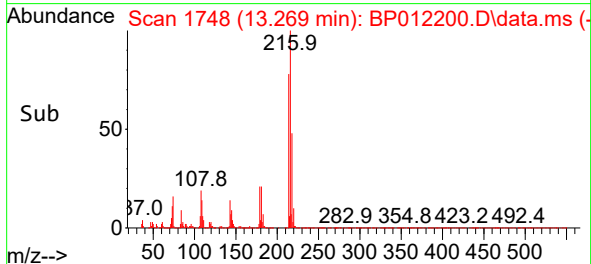
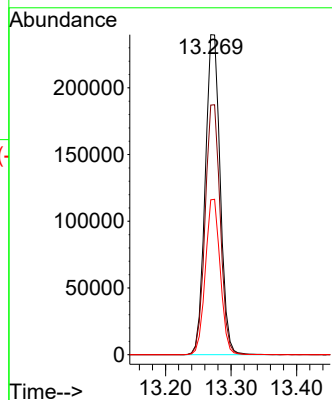
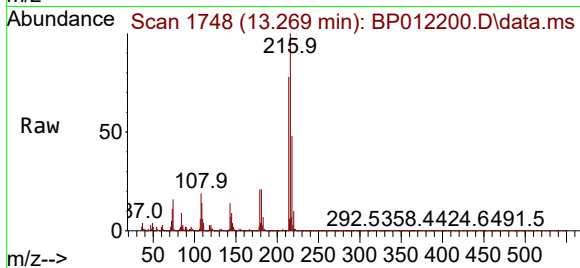




#75
1,2,3,4-Tetrachlorobenzene
Concen: 8.853 ng/uL
RT: 13.269 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

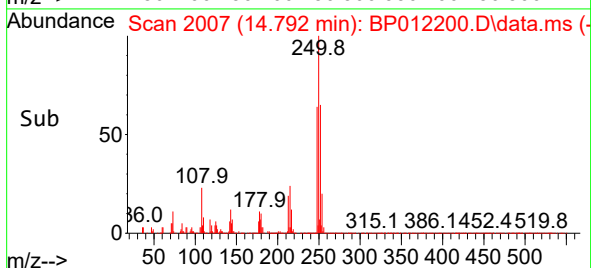
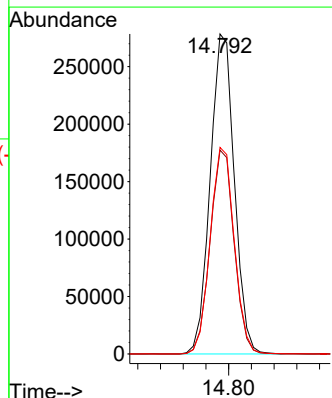
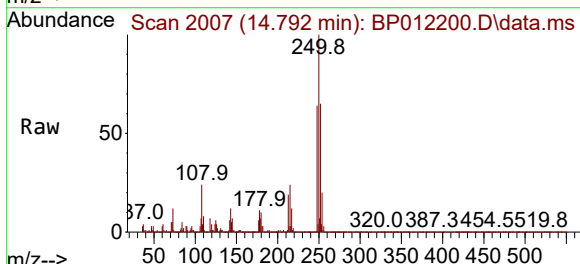
Instrument :
BNA_P
ClientSampleId :
SSTD010646

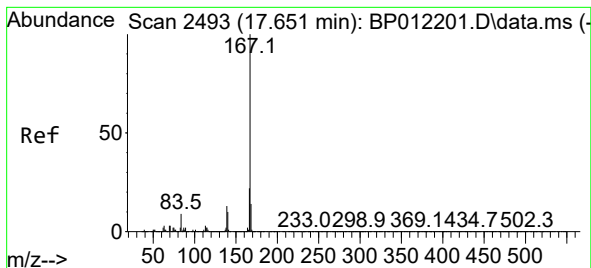
Tgt Ion:216 Resp: 380512
Ion Ratio Lower Upper
216 100
214 78.0 62.9 94.3
218 48.4 38.6 57.8



#76
Pentachlorobenzene
Concen: 9.477 ng/uL
RT: 14.792 min Scan# 2007
Delta R.T. -0.006 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

Tgt Ion:250 Resp: 410745
Ion Ratio Lower Upper
250 100
248 63.7 50.3 75.5
252 64.5 52.0 78.0





#77

Carbazole

Concen: 10.507 ng/ul

RT: 17.651 min Scan# 2493

Delta R.T. 0.000 min

Lab File: BP012200.D

Acq: 19 Oct 2022 12:14

Instrument :

BNA_P

ClientSampleId :

SSTD010646

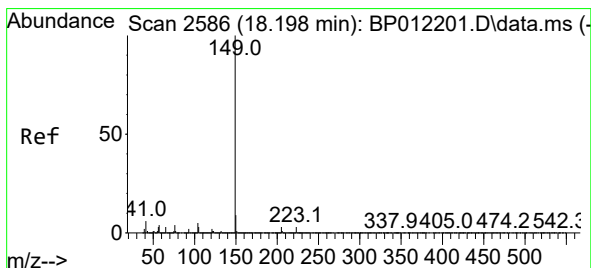
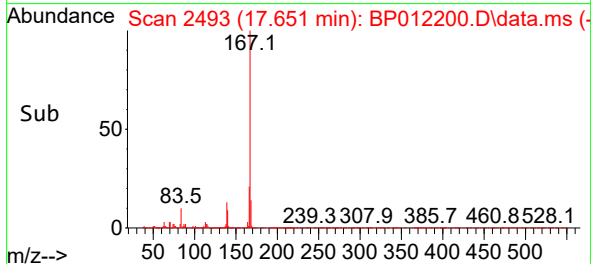
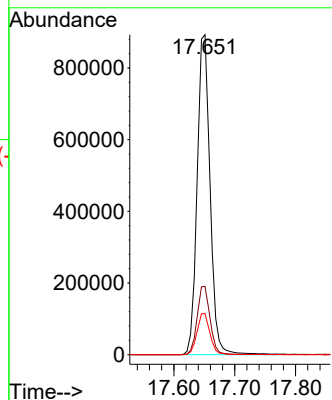
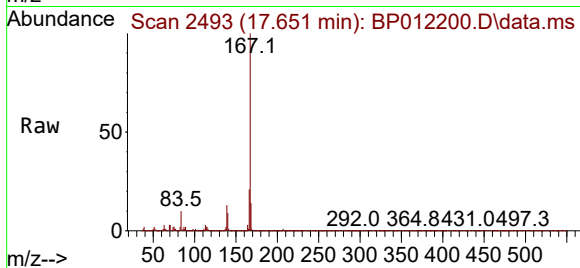
Tgt Ion:167 Resp: 1316888

Ion Ratio Lower Upper

167 100

166 21.4 17.3 25.9

139 12.9 10.2 15.4



#78

Di-n-butylphthalate

Concen: 10.910 ng/ul

RT: 18.198 min Scan# 2586

Delta R.T. 0.000 min

Lab File: BP012200.D

Acq: 19 Oct 2022 12:14

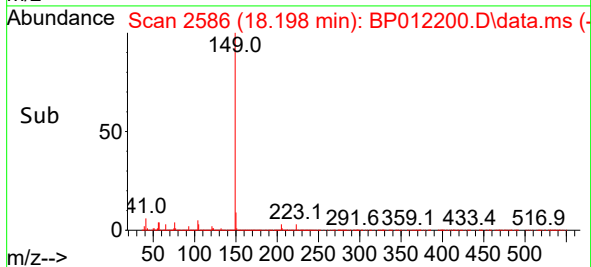
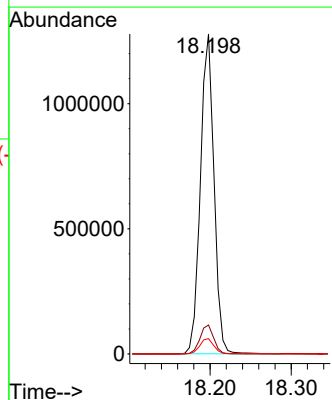
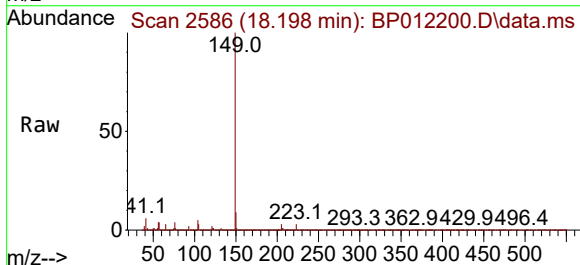
Tgt Ion:149 Resp: 1489558

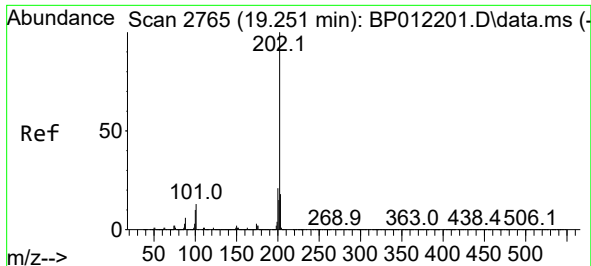
Ion Ratio Lower Upper

149 100

150 9.0 7.3 10.9

104 4.8 3.8 5.6

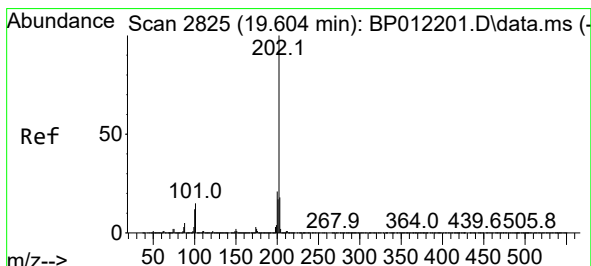
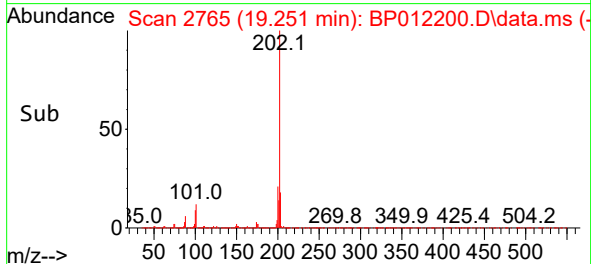
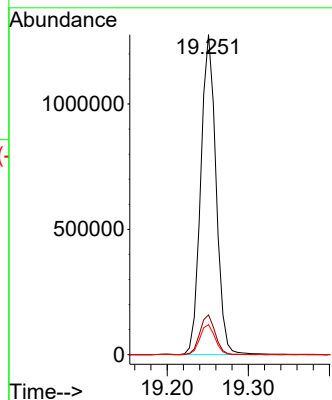
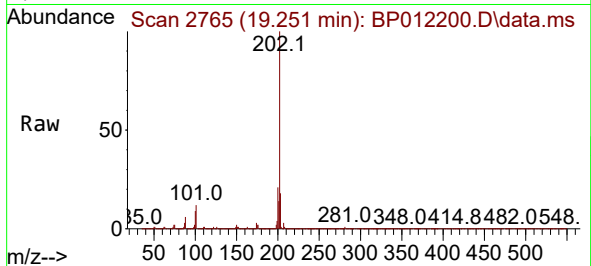




#80
Fluoranthene
Concen: 10.359 ng/ul
RT: 19.251 min Scan# 2765
Delta R.T. 0.000 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

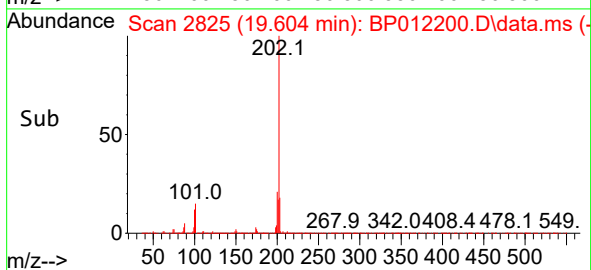
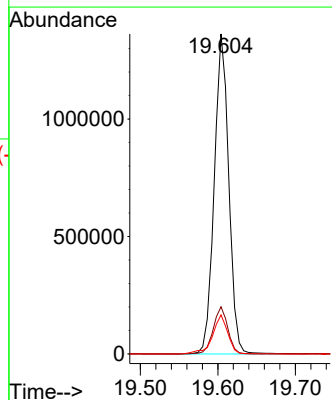
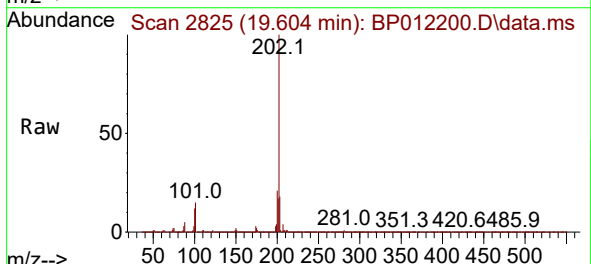
Instrument :
BNA_P
ClientSampleId :
SSTD010646

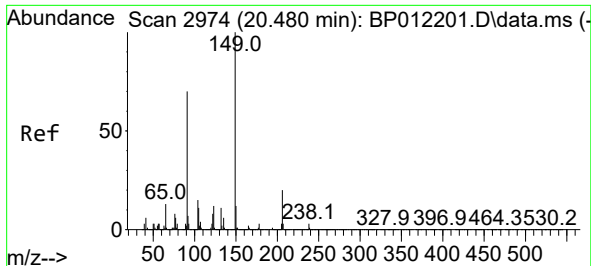
Tgt Ion:202 Resp: 1672246
Ion Ratio Lower Upper
202 100
101 12.5 10.4 15.6
100 9.4 7.7 11.5



#82
Pyrene
Concen: 10.411 ng/ul
RT: 19.604 min Scan# 2825
Delta R.T. 0.000 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

Tgt Ion:202 Resp: 1766200
Ion Ratio Lower Upper
202 100
101 14.8 12.3 18.5
100 12.2 10.0 15.0

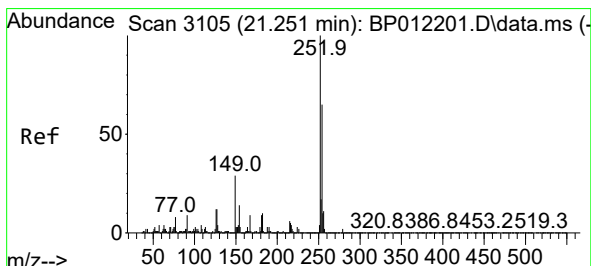
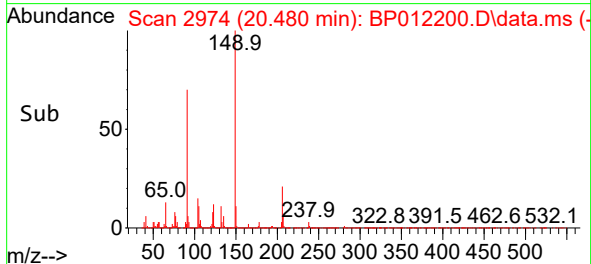
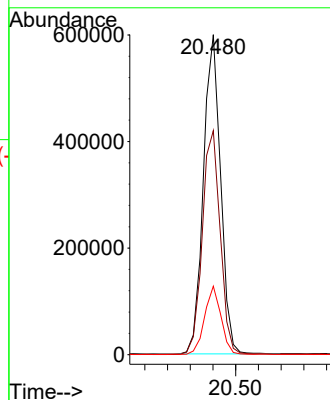
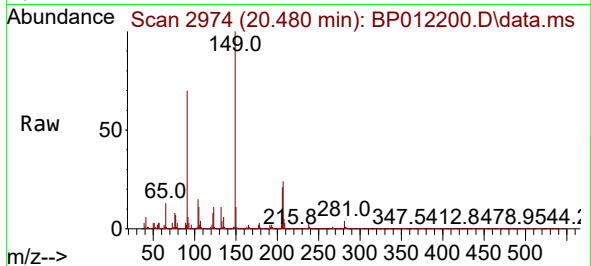




#83
Butylbenzylphthalate
Concen: 10.571 ng/ul
RT: 20.480 min Scan# 2974
Delta R.T. 0.000 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

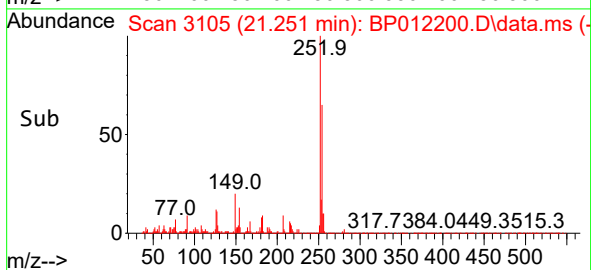
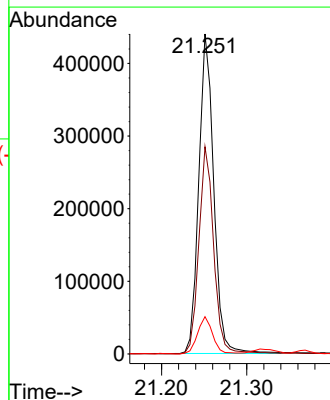
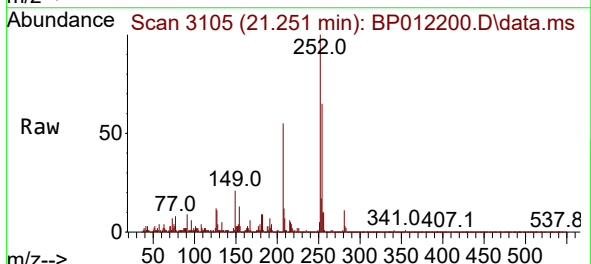
Instrument :
BNA_P
ClientSampleId :
SSTD010646

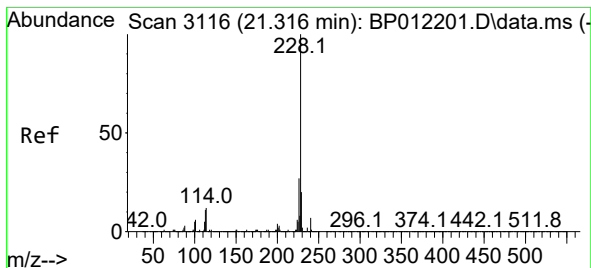
Tgt Ion:149 Resp: 628786
Ion Ratio Lower Upper
149 100
91 70.0 56.1 84.1
206 21.4 16.1 24.1



#84
3,3'-Dichlorobenzidine
Concen: 9.653 ng/ul
RT: 21.251 min Scan# 3105
Delta R.T. 0.000 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

Tgt Ion:252 Resp: 537773
Ion Ratio Lower Upper
252 100
254 64.8 52.2 78.4
126 11.6 9.8 14.6





#85

Benzo(a)anthracene

Concen: 10.422 ng/ul

RT: 21.316 min Scan# 3116

Delta R.T. 0.000 min

Lab File: BP012200.D

Acq: 19 Oct 2022 12:14

Instrument :

BNA_P

ClientSampleId :

SSTD010646

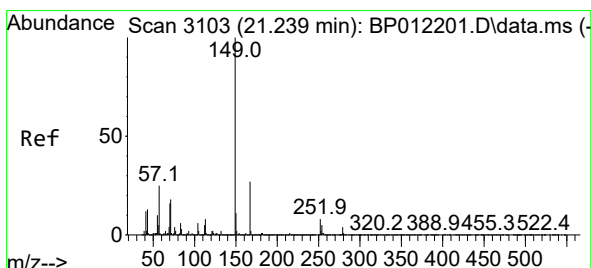
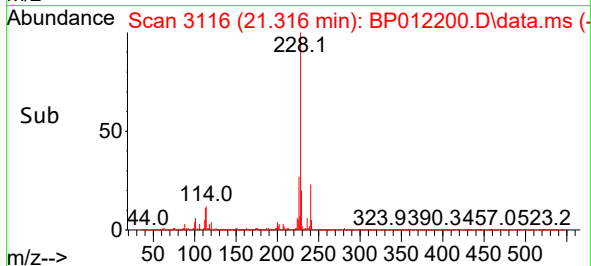
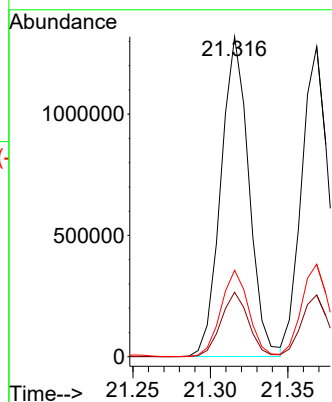
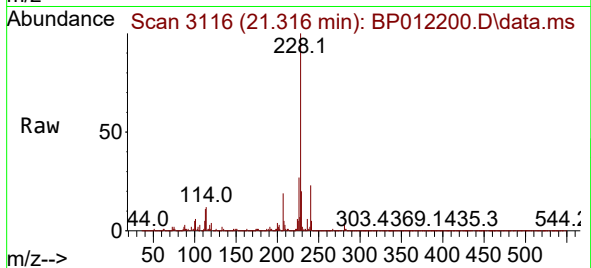
Tgt Ion:228 Resp: 1660998

Ion Ratio Lower Upper

228 100

229 20.1 16.1 24.1

226 27.0 21.9 32.9



#86

Bis(2-ethylhexyl)phthalate

Concen: 10.852 ng/ul

RT: 21.239 min Scan# 3103

Delta R.T. 0.000 min

Lab File: BP012200.D

Acq: 19 Oct 2022 12:14

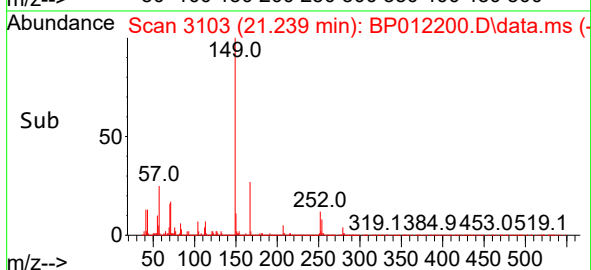
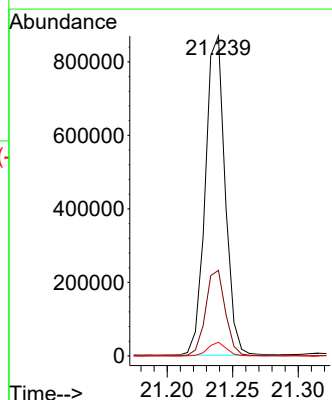
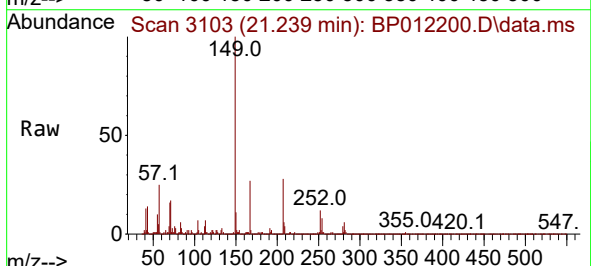
Tgt Ion:149 Resp: 912851

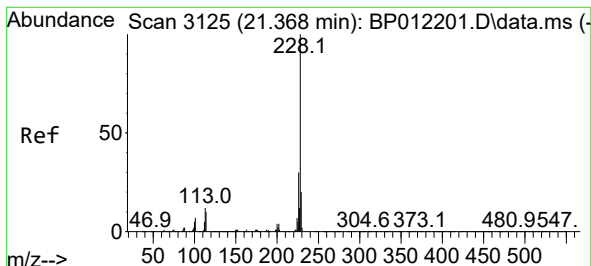
Ion Ratio Lower Upper

149 100

167 26.7 21.6 32.4

279 4.3 3.4 5.0





#87

Chrysene

Concen: 10.189 ng/ul

RT: 21.369 min Scan# 3125

Delta R.T. 0.000 min

Lab File: BP012200.D

Acq: 19 Oct 2022 12:14

Instrument :

BNA_P

ClientSampleId :

SSTD010646

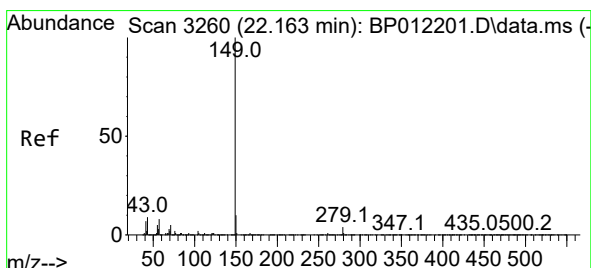
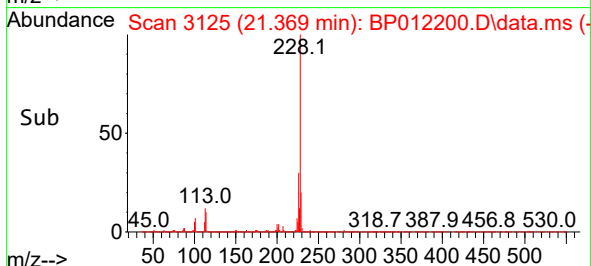
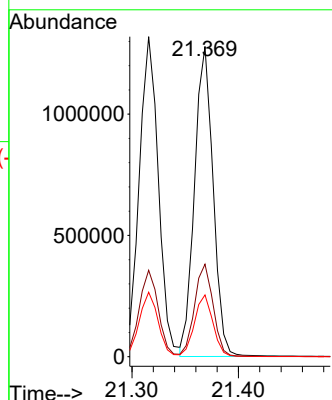
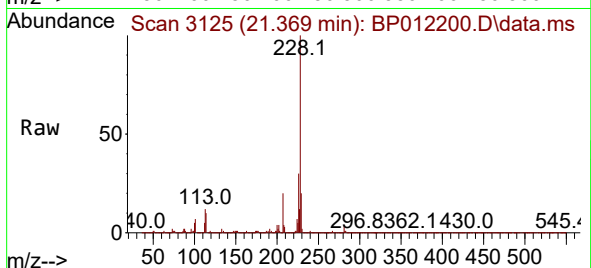
Tgt Ion:228 Resp: 1556594

Ion Ratio Lower Upper

228 100

226 29.8 24.2 36.4

229 19.9 15.8 23.8



#89

Di-n-octyl phthalate

Concen: 11.635 ng/ul

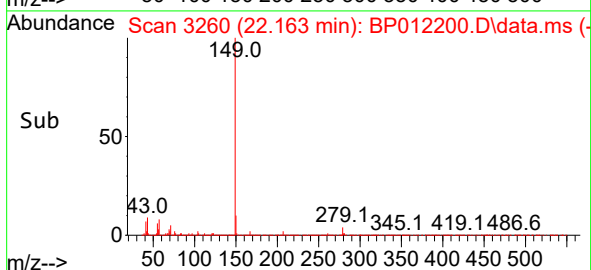
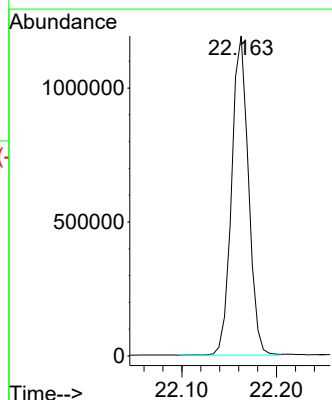
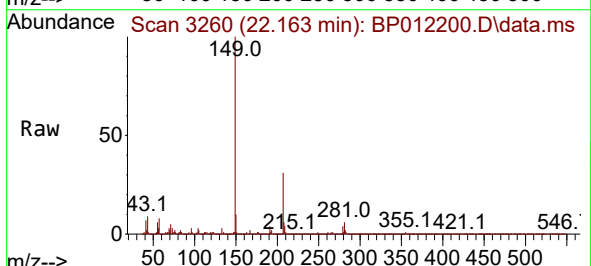
RT: 22.163 min Scan# 3260

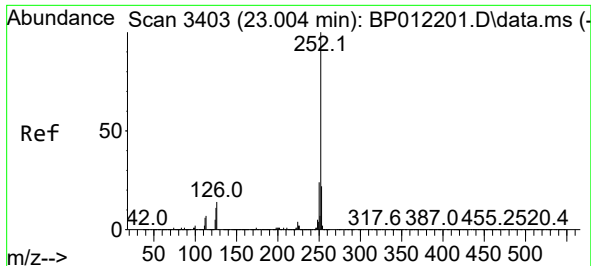
Delta R.T. 0.000 min

Lab File: BP012200.D

Acq: 19 Oct 2022 12:14

Tgt Ion:149 Resp: 1469608

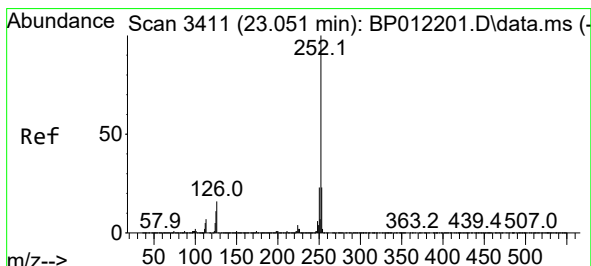
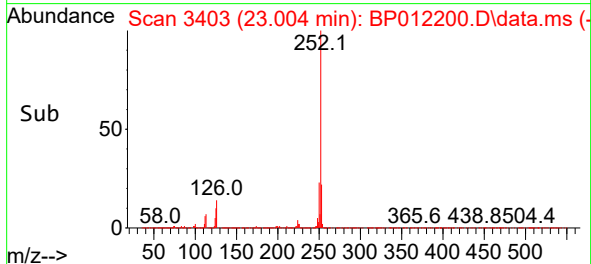
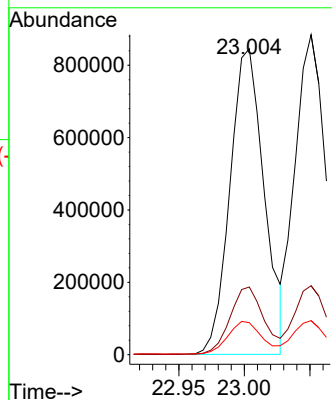
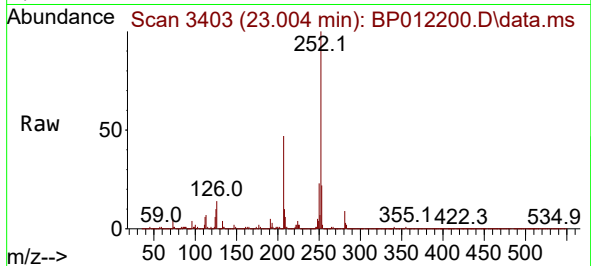




#90
Benzo(b)fluoranthene
Concen: 10.927 ng/ul
RT: 23.004 min Scan# 3403
Delta R.T. 0.000 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

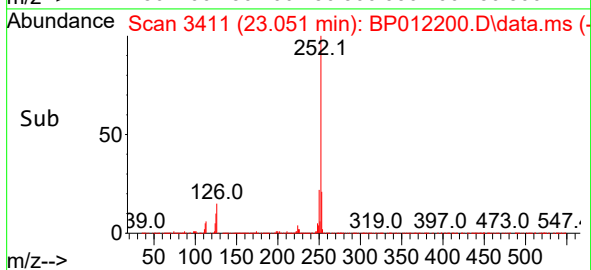
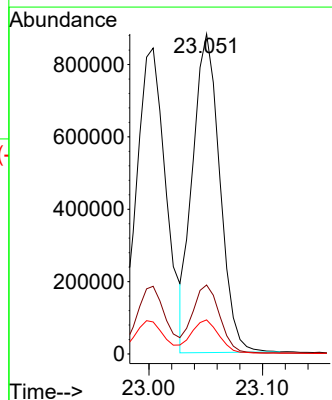
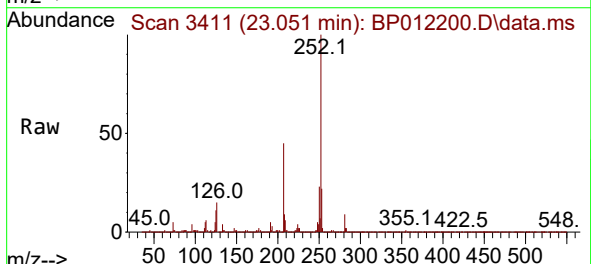
Instrument :
BNA_P
ClientSampleId :
SSTD010646

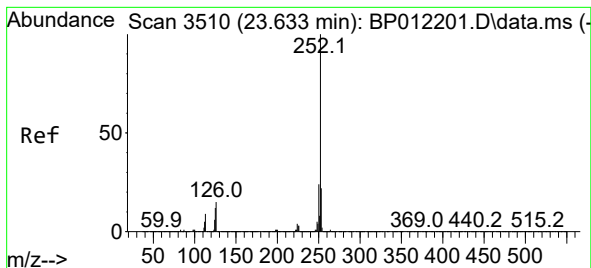
Tgt Ion:252 Resp: 1535250
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 10.5 8.5 12.7



#91
Benzo(k)fluoranthene
Concen: 10.479 ng/ul
RT: 23.051 min Scan# 3411
Delta R.T. 0.000 min
Lab File: BP012200.D
Acq: 19 Oct 2022 12:14

Tgt Ion:252 Resp: 1458492
Ion Ratio Lower Upper
252 100
253 21.5 17.9 26.9
125 10.7 8.6 13.0





#93

Benzo(a)pyrene

Concen: 10.088 ng/ul

RT: 23.633 min Scan# 3510

Delta R.T. 0.000 min

Lab File: BP012200.D

Acq: 19 Oct 2022 12:14

Instrument :

BNA_P

ClientSampleId :

SSTD010646

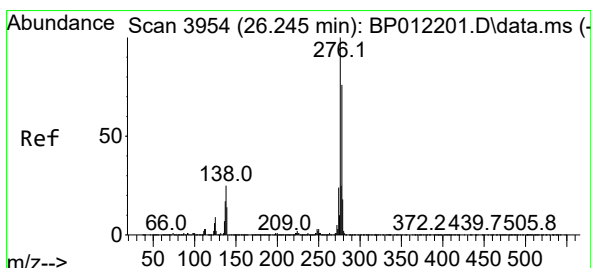
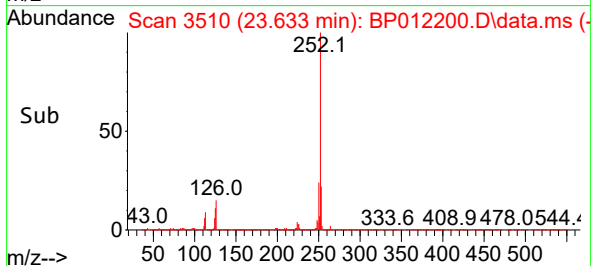
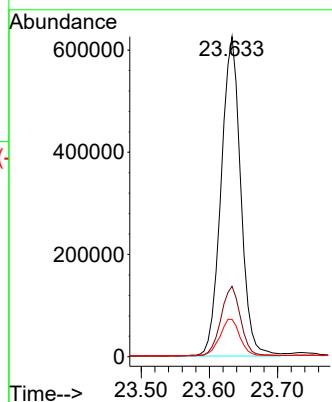
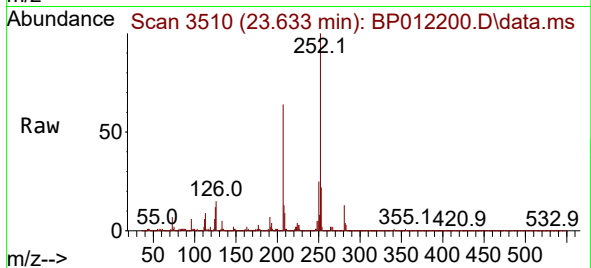
Tgt Ion:252 Resp: 1252726

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

125 11.7 9.7 14.5



#94

Indeno(1,2,3-cd)pyrene

Concen: 8.344 ng/ul

RT: 26.233 min Scan# 3952

Delta R.T. -0.012 min

Lab File: BP012200.D

Acq: 19 Oct 2022 12:14

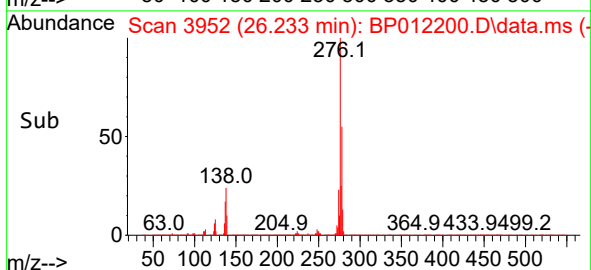
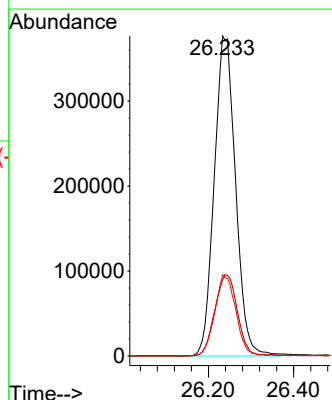
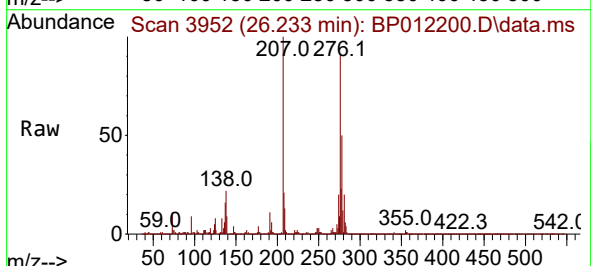
Tgt Ion:276 Resp: 1308634

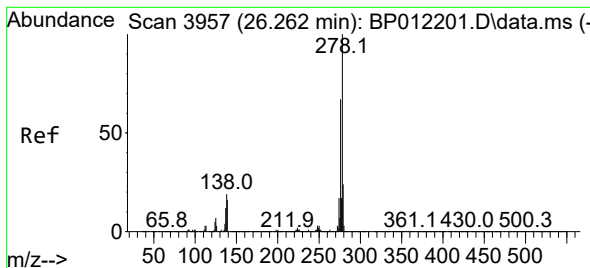
Ion Ratio Lower Upper

276 100

138 23.8 20.3 30.5

277 25.4 20.2 30.4





#95

Dibenzo(a,h)anthracene

Concen: 8.472 ng/ul

RT: 26.257 min Scan# 3956

Delta R.T. -0.006 min

Lab File: BP012200.D

Acq: 19 Oct 2022 12:14

Instrument :

BNA_P

ClientSampleId :

SSTD010646

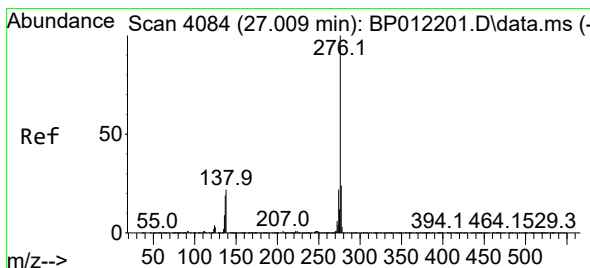
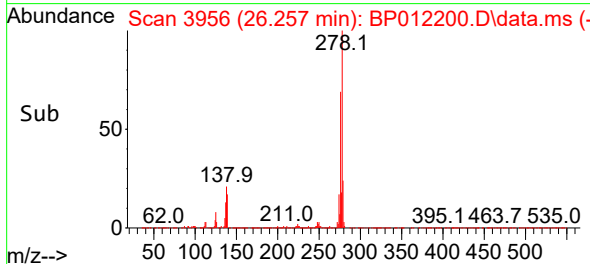
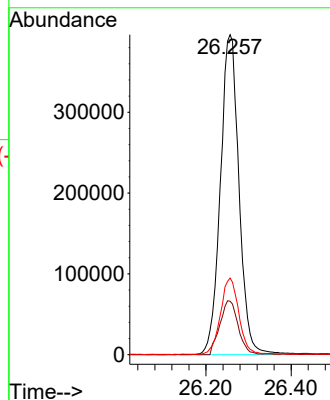
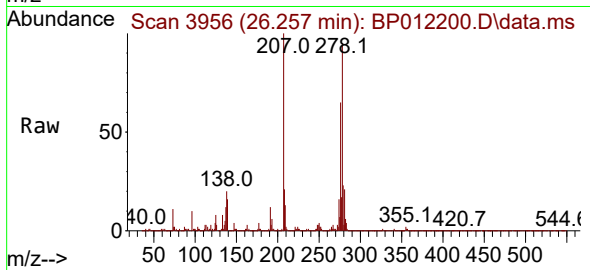
Tgt Ion:278 Resp: 1199566

Ion Ratio Lower Upper

278 100

139 16.7 12.9 19.3

279 23.9 19.0 28.4



#96

Benzo(g,h,i)perylene

Concen: 7.884 ng/ul

RT: 27.004 min Scan# 4083

Delta R.T. -0.006 min

Lab File: BP012200.D

Acq: 19 Oct 2022 12:14

Tgt Ion:276 Resp: 1118361

Ion Ratio Lower Upper

276 100

138 22.6 17.9 26.9

277 24.1 18.9 28.3

