

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120423\
 Data File : BP018642.D
 Acq On : 06 Dec 2023 18:03
 Operator : MA/JU
 Sample : 05456-07MS
 Misc :
 ALS Vial : 79 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E05N2MS

Quant Time: Dec 06 21:43:28 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP120123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 04 21:39:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.852	152	382947	20.000	ng/u1	0.00
20) Naphthalene-d8	10.651	136	1419719	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.481	164	793110	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.228	188	1701227	20.000	ng/u1	0.00
79) Chrysene-d12	21.321	240	1782687	20.000	ng/u1	0.00
88) Perylene-d12	23.692	264	2204675	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.269	96	63260	5.629	ng/uL	0.00
4) Pyridine-d5	3.681	84	838995	27.873	ng/u1	0.00
7) Phenol-d5	7.022	99	1132827	29.478	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.187	67	666542	29.264	ng/u1	0.00
11) 2-Chlorophenol-d4	7.381	132	889027	29.647	ng/u1	0.00
15) 4-Methylphenol-d8	8.569	113	844702	27.160	ng/u1	0.00
21) Nitrobenzene-d5	9.016	128	424880	33.625	ng/u1	0.00
24) 2-Nitrophenol-d4	9.734	143	470388	35.906	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.269	165	780301	29.129	ng/u1	0.00
31) 4-Chloroaniline-d4	10.787	131	1052826	30.073	ng/u1	0.00
46) Dimethylphthalate-d6	13.898	166	2259314	31.918	ng/u1	0.00
49) Acenaphthylene-d8	14.175	160	2666029	34.204	ng/u1	0.00
54) 4-Nitrophenol-d4	14.687	143	422663	36.376	ng/u1	0.00
60) Fluorene-d10	15.475	176	1949380	32.808	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.598	200	312494	30.635	ng/u1	0.00
73) Anthracene-d10	17.328	188	3012949	33.688	ng/u1	0.00
81) Pyrene-d10	19.569	212	3752100	27.039	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.545	264	4321572	33.618	ng/u1	0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.305	88	138393	11.230	ng/uL	95
5) Pyridine	3.705	79	925262	30.439	ng/u1	95
6) Benzaldehyde	6.993	77	586193	29.544	ng/u1	98
8) Phenol	7.052	94	1148449	30.473	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.281	93	933947	30.175	ng/u1	99
12) 2-Chlorophenol	7.416	128	899732	29.646	ng/u1	98
13) 2-Methylphenol	8.299	108	836454	28.991	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.381	45	1101449	28.047	ng/u1	98
16) Acetophenone	8.681	105	1325140	28.590	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.675	70	638942	25.058	ng/u1	97
18) 4-Methylphenol	8.634	108	883173	28.032	ng/u1	98
19) Hexachloroethane	8.928	117	381790	30.686	ng/u1	93
22) Nitrobenzene	9.057	77	1001627	32.603	ng/u1	98
23) Isophorone	9.587	82	1847581	29.495	ng/u1	99
25) 2-Nitrophenol	9.769	139	489939	34.929	ng/u1	98
26) 2,4-Dimethylphenol	9.834	107	721254	26.291	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.069	93	1063229	26.886	ng/u1	99
29) 2,4-Dichlorophenol	10.299	162	744557	28.856	ng/u1	99
30) Naphthalene	10.699	128	2724868	31.638	ng/u1	100
32) 4-Chloroaniline	10.816	127	924891	27.719	ng/u1	100
33) Hexachlorobutadiene	10.981	225	613715	35.515	ng/u1	99
34) Caprolactam	11.598	113	178715	22.588	ng/u1	92
35) 4-Chloro-3-methylphenol	11.940	107	837743	28.982	ng/u1	98
36) 2-Methylnaphthalene	12.310	142	1808534	29.641	ng/u1	98

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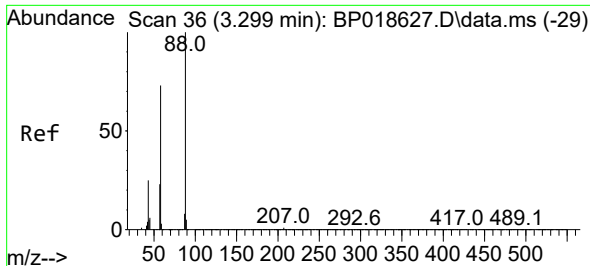
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 Quant Title : SVOA CALIBRATION
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.528	142	1768548	28.702	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.675	216	1057086	36.736	ng/ul	98
40) Hexachlorocyclopentadiene	12.651	237	559325	32.794	ng/ul	99
41) 2,4,6-Trichlorophenol	12.916	196	655896	35.433	ng/ul	99
42) 2,4,5-Trichlorophenol	12.987	196	702227	34.992	ng/ul	99
43) 1,1'-Biphenyl	13.322	154	2314247	33.739	ng/ul	98
44) 2-Chloronaphthalene	13.357	162	1871352	34.543	ng/ul	99
45) 2-Nitroaniline	13.569	65	503944	34.313	ng/ul	97
47) Dimethylphthalate	13.945	163	2209035	31.703	ng/ul	99
48) 2,6-Dinitrotoluene	14.069	165	470506	35.741	ng/ul	91
50) Acenaphthylene	14.204	152	2950268	33.666	ng/ul	100
51) 3-Nitroaniline	14.392	138	474417	36.101	ng/ul	100
52) Acenaphthene	14.545	153	1925979	33.239	ng/ul	99
53) 2,4-Dinitrophenol	14.598	184	209289	29.997	ng/ul	96
55) 4-Nitrophenol	14.704	109	322453	36.732	ng/ul	96
56) Dibenzofuran	14.881	168	2658111	33.007	ng/ul	99
57) 2,4-Dinitrotoluene	14.851	165	657692	35.517	ng/ul	95
58) 2,3,4,6-Tetrachlorophenol	15.104	232	574707	34.141	ng/ul	98
59) Diethylphthalate	15.310	149	2151445	31.554	ng/ul	100
61) Fluorene	15.534	166	2098747	32.936	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.528	204	1107634	33.142	ng/ul	95
63) 4-Nitroaniline	15.557	138	499952	39.935	ng/ul	97
66) 4,6-Dinitro-2-methylph...	15.610	198	350126	32.104	ng/ul	96
67) N-Nitrosodiphenylamine	15.739	169	1793546	31.815	ng/ul	99
68) 4-Bromophenyl-phenylether	16.422	248	716939	33.381	ng/ul	96
69) Hexachlorobenzene	16.534	284	823247	34.332	ng/ul	97
70) Atrazine	16.698	200	533026	31.803	ng/ul	99
71) Pentachlorophenol	16.881	266	513908	36.035	ng/ul	99
72) Phenanthrene	17.275	178	3401786	33.109	ng/ul	100
74) Anthracene	17.363	178	3449842	33.497	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.281	216	1059968	36.034	ng/ul	99
76) Pentachlorobenzene	14.798	250	994933	34.433	ng/ul	99
77) Carbazole	17.639	167	3140677	38.263	ng/ul	99
78) Di-n-butylphthalate	18.192	149	3700873	33.861	ng/ul	100
80) Fluoranthene	19.239	202	4259904	25.970	ng/ul	98
82) Pyrene	19.598	202	4412647	26.666	ng/ul	96
83) Butylbenzylphthalate	20.474	149	1810839	29.892	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.239	252	1388342	32.048	ng/ul	99
85) Benzo(a)anthracene	21.304	228	4820258	33.312	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.233	149	2579275	30.977	ng/ul	99
87) Chrysene	21.357	228	4413121	33.119	ng/ul	99
89) Di-n-octyl phthalate	22.151	149	4780122	29.696	ng/ul	100
90) Benzo(b)fluoranthene	22.968	252	5049806	31.066	ng/ul	99
91) Benzo(k)fluoranthene	23.021	252	5047317	32.091	ng/ul	99
93) Benzo(a)pyrene	23.592	252	4879484	32.852	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.174	276	6255886	35.252	ng/ul	97
95) Dibenzo(a,h)anthracene	26.192	278	5161645	34.965	ng/ul	98
96) Benzo(g,h,i)perylene	26.933	276	5060202	35.431	ng/ul	97

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

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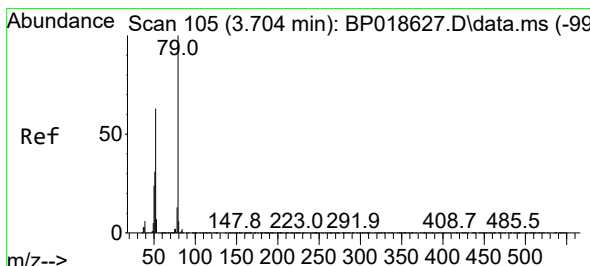
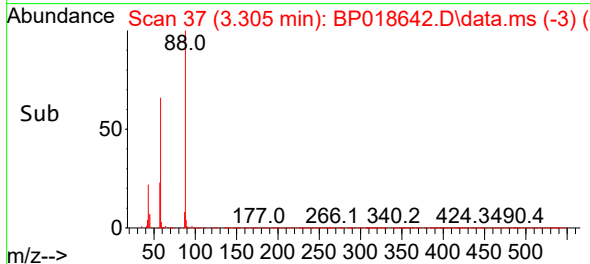
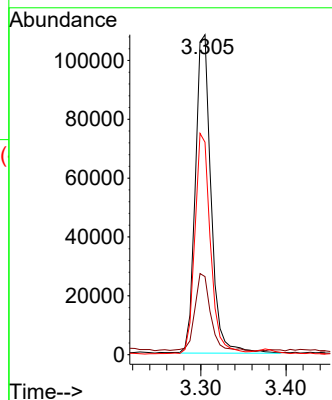
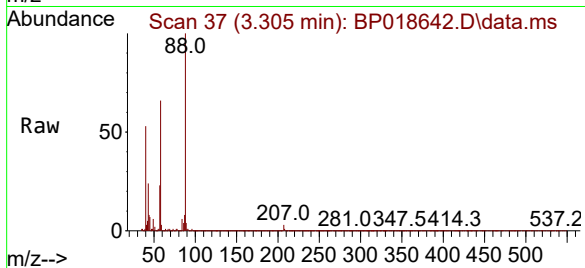




#2
1,4-Dioxane
Concen: 11.230 ng/uL
RT: 3.305 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP018642.D
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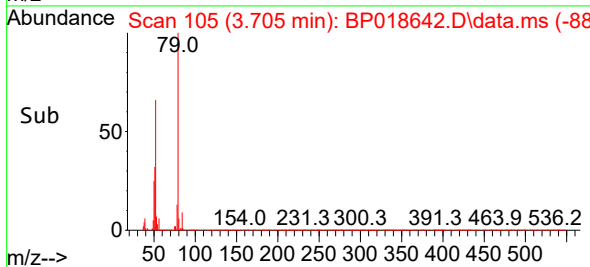
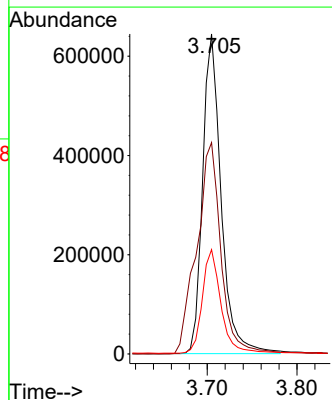
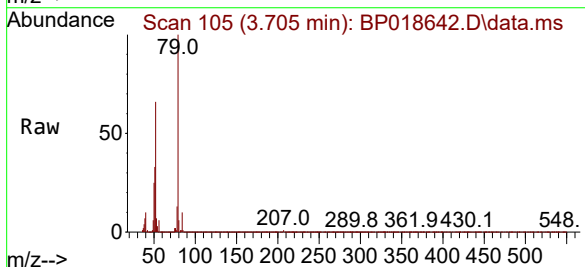
Instrument :
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ClientSampleId :
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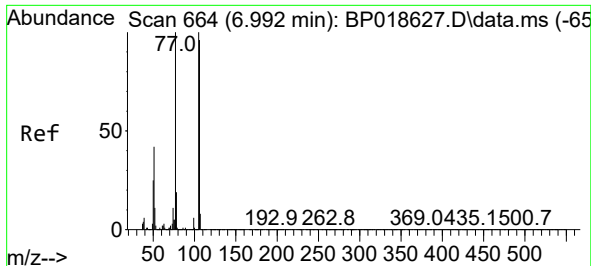
Tgt Ion: 88 Resp: 138393
Ion Ratio Lower Upper
88 100
43 24.4 21.8 32.6
58 66.4 56.5 84.7



#5
Pyridine
Concen: 30.439 ng/uL
RT: 3.705 min Scan# 105
Delta R.T. 0.000 min
Lab File: BP018642.D
Acq: 06 Dec 2023 18:03

Tgt Ion: 79 Resp: 925262
Ion Ratio Lower Upper
79 100
52 66.0 57.4 86.0
51 32.6 26.2 39.4

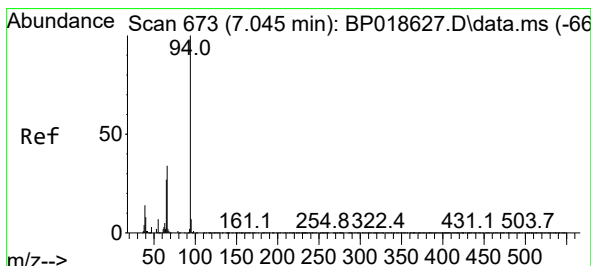
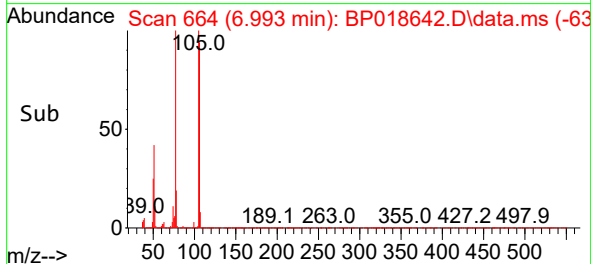
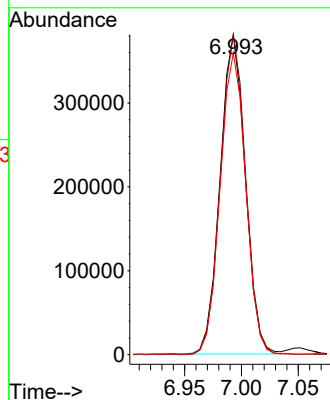
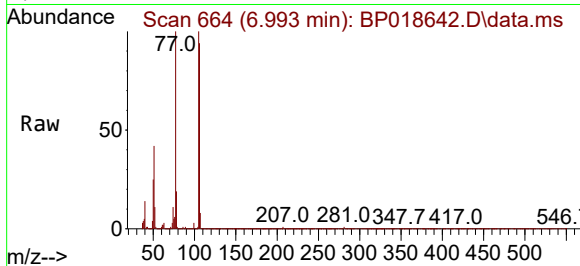




#6
Benzaldehyde
Concen: 29.544 ng/ul
RT: 6.993 min Scan# 60
Delta R.T. -0.006 min
Lab File: BP018642.D
Acq: 06 Dec 2023 18:03

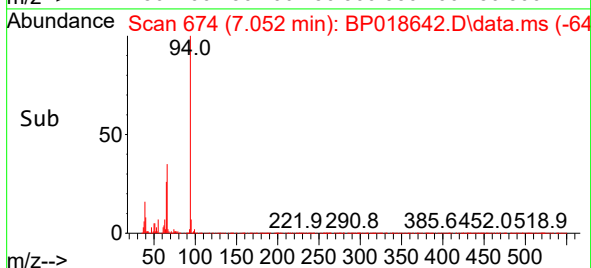
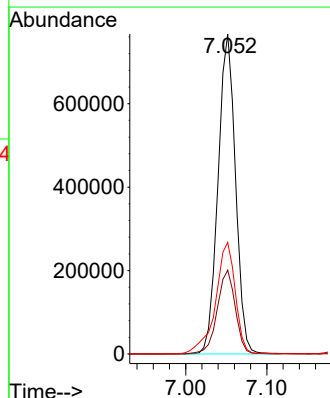
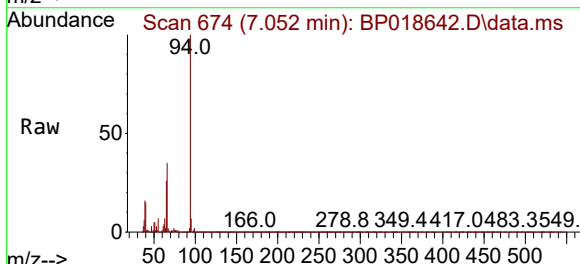
Instrument :
BNA_P
ClientSampleId :
E05N2MS

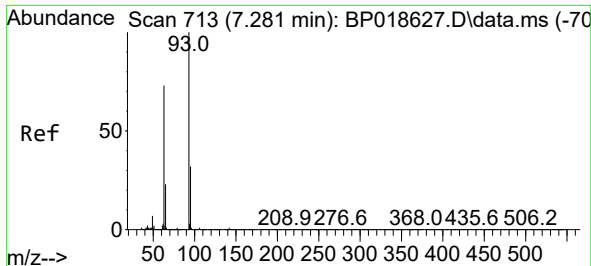
Tgt Ion: 77 Resp: 586193
Ion Ratio Lower Upper
77 100
105 99.9 77.9 116.9
106 94.3 74.6 111.8



#8
Phenol
Concen: 30.473 ng/ul
RT: 7.052 min Scan# 674
Delta R.T. 0.000 min
Lab File: BP018642.D
Acq: 06 Dec 2023 18:03

Tgt Ion: 94 Resp: 1148449
Ion Ratio Lower Upper
94 100
65 26.2 21.0 31.6
66 34.9 28.6 43.0

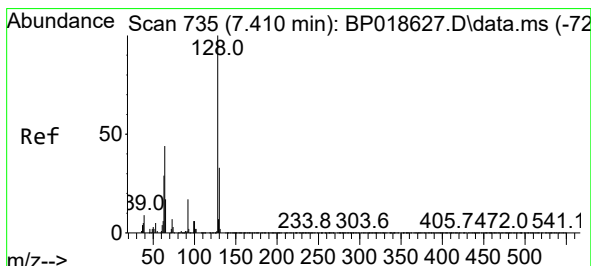
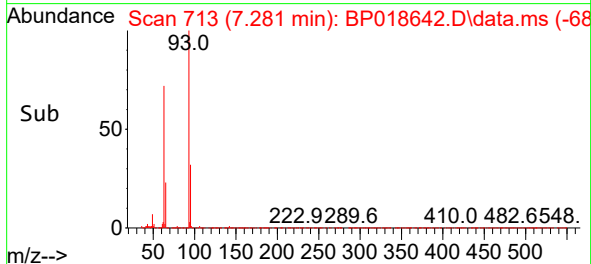
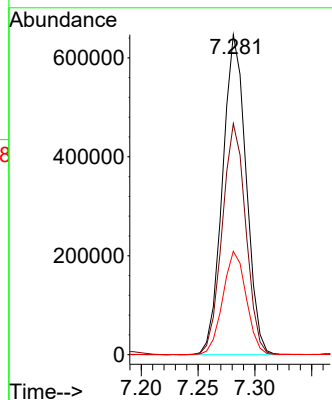
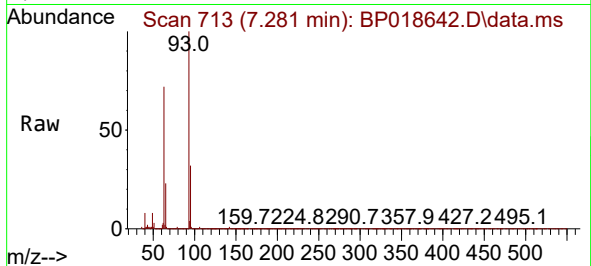




#10
Bis(2-Chloroethyl)ether
Concen: 30.175 ng/ul
RT: 7.281 min Scan# 713
Delta R.T. -0.006 min
Lab File: BP018642.D
Acq: 06 Dec 2023 18:03

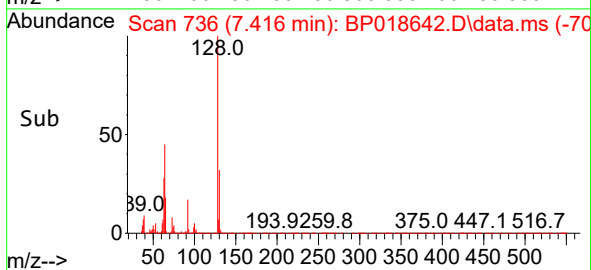
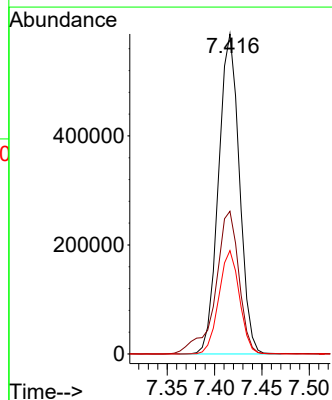
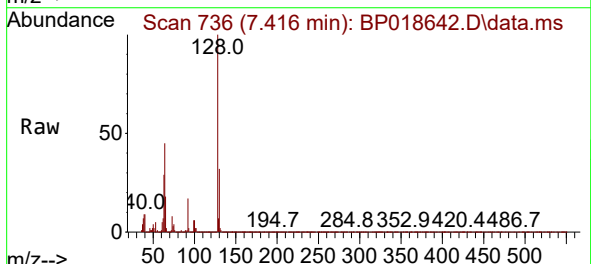
Instrument :
BNA_P
ClientSampleId :
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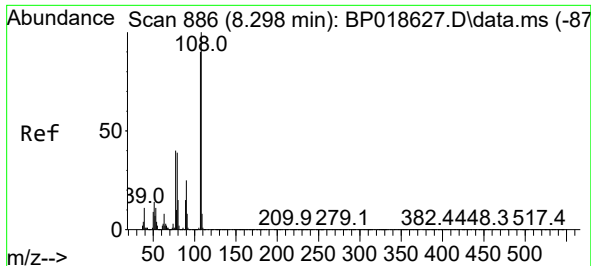
Tgt Ion: 93 Resp: 933947
Ion Ratio Lower Upper
93 100
63 72.2 58.3 87.5
95 32.3 25.9 38.9



#12
2-Chlorophenol
Concen: 29.646 ng/ul
RT: 7.416 min Scan# 736
Delta R.T. 0.000 min
Lab File: BP018642.D
Acq: 06 Dec 2023 18:03

Tgt Ion:128 Resp: 899732
Ion Ratio Lower Upper
128 100
64 44.6 37.0 55.4
130 32.3 26.8 40.2





#13

2-Methylphenol

Concen: 28.991 ng/ul

RT: 8.299 min Scan# 886

Delta R.T. -0.006 min

Lab File: BP018642.D

Acq: 06 Dec 2023 18:03

Instrument :

BNA_P

ClientSampleId :

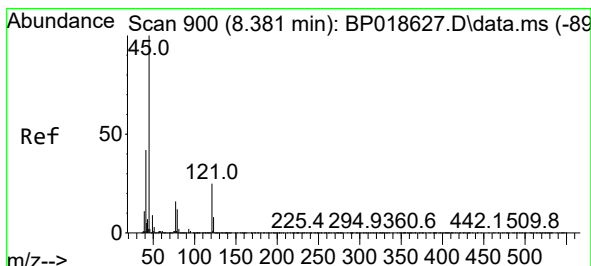
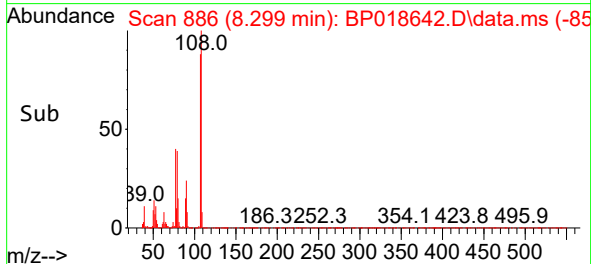
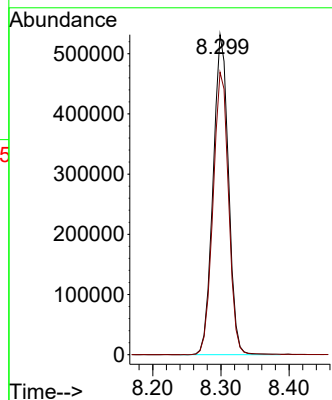
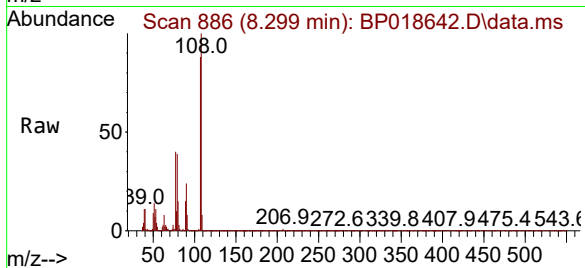
E05N2MS

Tgt Ion:108 Resp: 836454

Ion Ratio Lower Upper

108 100

107 88.3 70.6 105.8



#14

2,2'-oxybis(1-Chloropropane)

Concen: 28.047 ng/ul

RT: 8.381 min Scan# 900

Delta R.T. -0.006 min

Lab File: BP018642.D

Acq: 06 Dec 2023 18:03

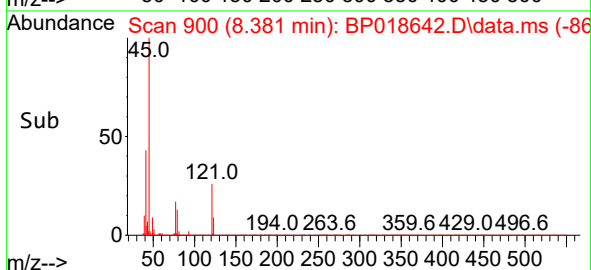
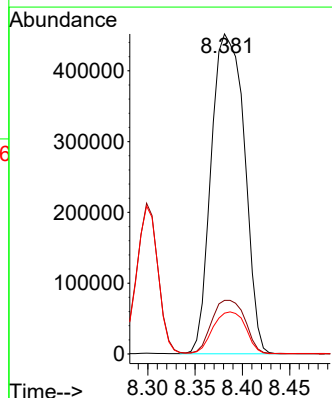
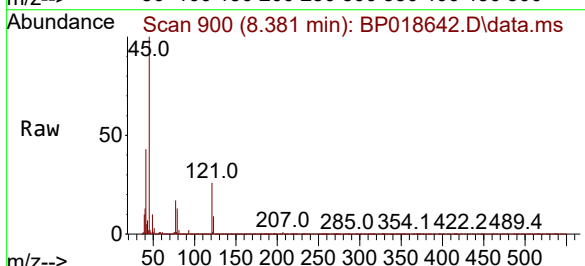
Tgt Ion: 45 Resp: 1101449

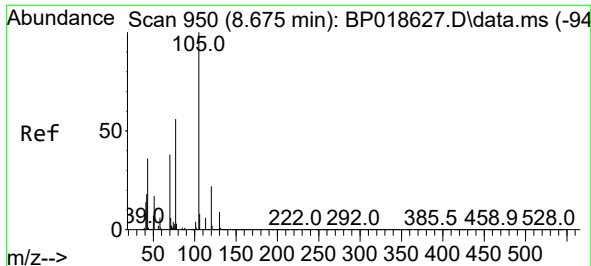
Ion Ratio Lower Upper

45 100

77 16.7 12.7 19.1

79 12.7 10.5 15.7

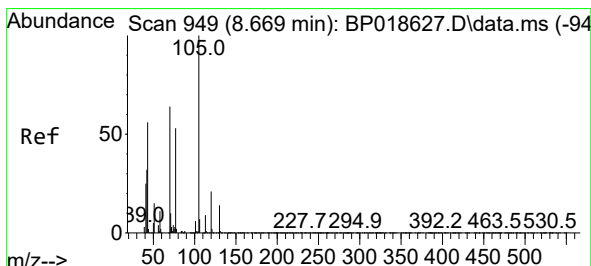
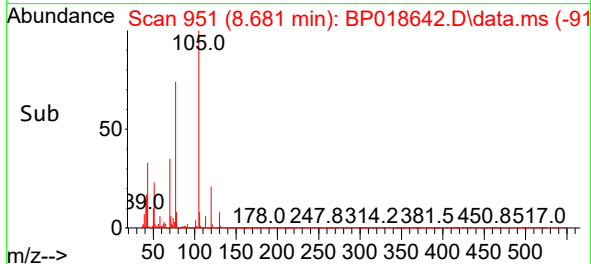
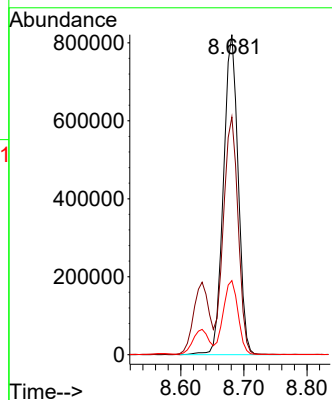
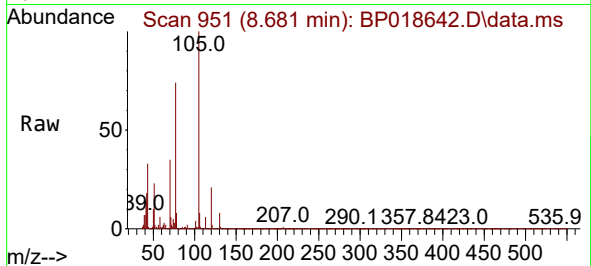




#16
Acetophenone
Concen: 28.590 ng/ul
RT: 8.681 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP018642.D
Acq: 06 Dec 2023 18:03

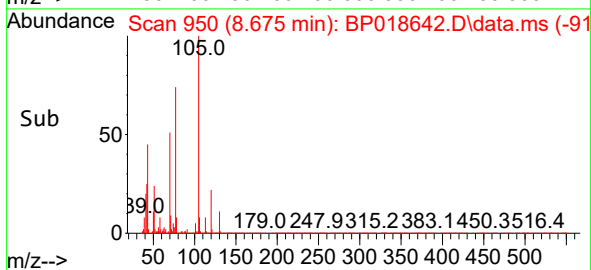
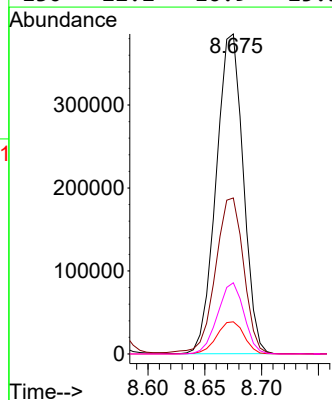
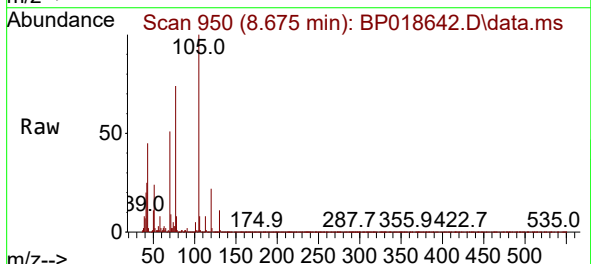
Instrument :
BNA_P
ClientSampleId :
E05N2MS

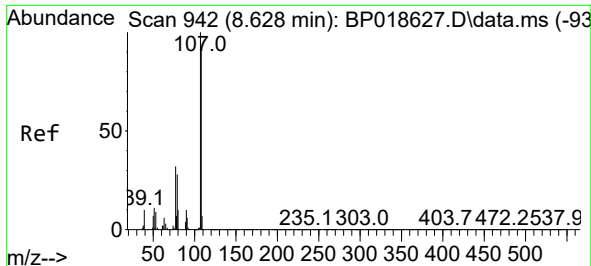
Tgt Ion:105 Resp: 1325140
Ion Ratio Lower Upper
105 100
77 74.3 59.4 89.0
51 23.1 19.4 29.0



#17
N-Nitroso-di-n-propylamine
Concen: 25.058 ng/ul
RT: 8.675 min Scan# 950
Delta R.T. 0.000 min
Lab File: BP018642.D
Acq: 06 Dec 2023 18:03

Tgt Ion: 70 Resp: 638942
Ion Ratio Lower Upper
70 100
42 48.8 41.0 61.4
101 10.1 7.8 11.8
130 22.2 16.9 25.3

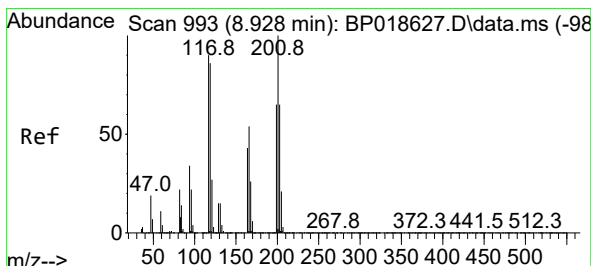
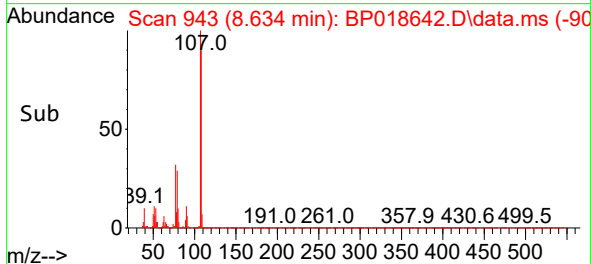
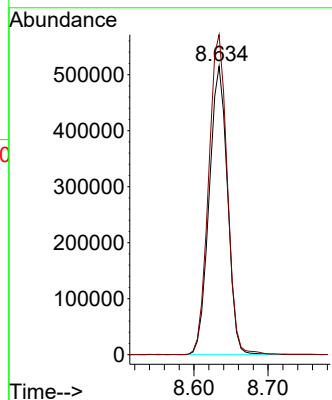
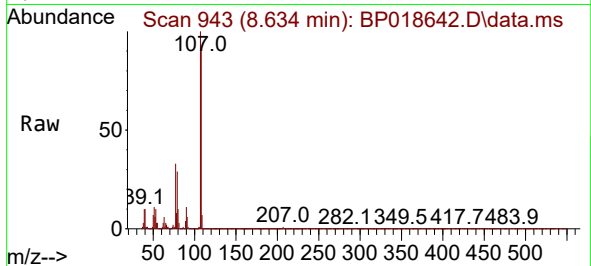




#18
4-Methylphenol
Concen: 28.032 ng/ul
RT: 8.634 min Scan# 942
Delta R.T. 0.000 min
Lab File: BP018642.D
Acq: 06 Dec 2023 18:03

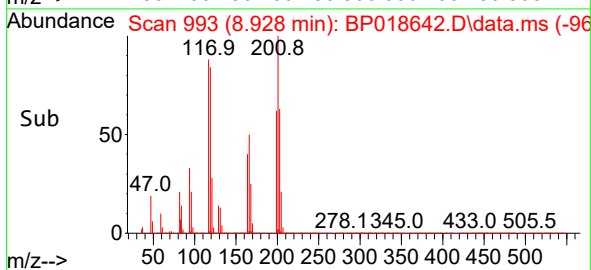
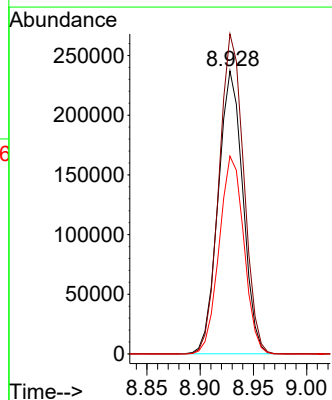
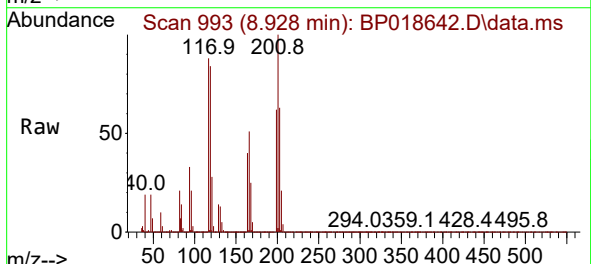
Instrument :
BNA_P
ClientSampleId :
E05N2MS

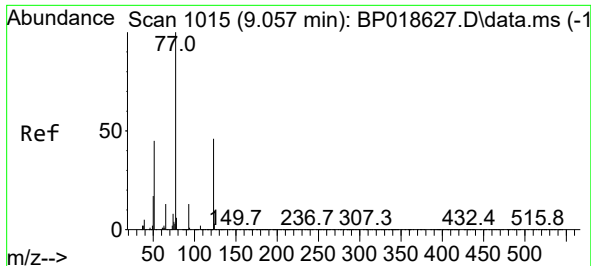
Tgt Ion:108 Resp: 883173
Ion Ratio Lower Upper
108 100
107 110.9 90.6 136.0



#19
Hexachloroethane
Concen: 30.686 ng/ul
RT: 8.928 min Scan# 993
Delta R.T. -0.006 min
Lab File: BP018642.D
Acq: 06 Dec 2023 18:03

Tgt Ion:117 Resp: 381790
Ion Ratio Lower Upper
117 100
201 113.0 83.7 125.5
199 69.9 52.3 78.5

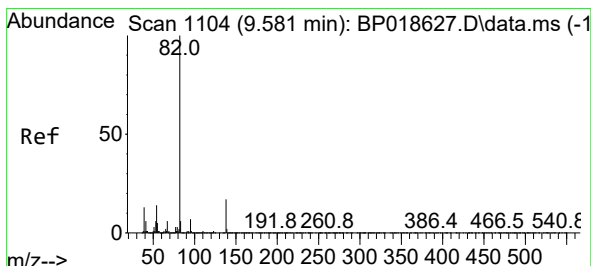
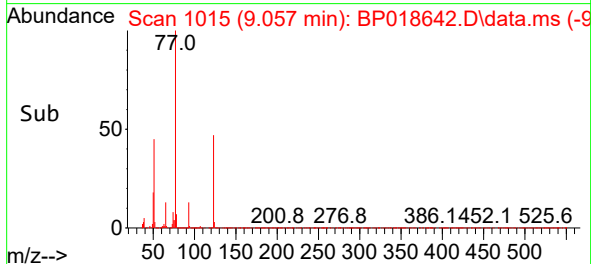
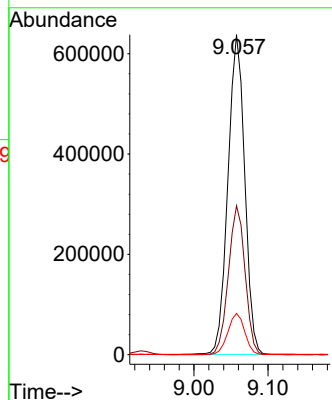
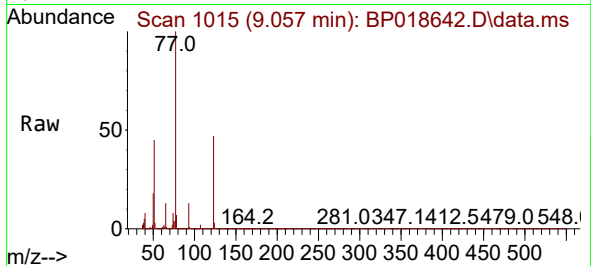




#22
Nitrobenzene
Concen: 32.603 ng/ul
RT: 9.057 min Scan# 1015
Delta R.T. 0.000 min
Lab File: BP018642.D
Acq: 06 Dec 2023 18:03

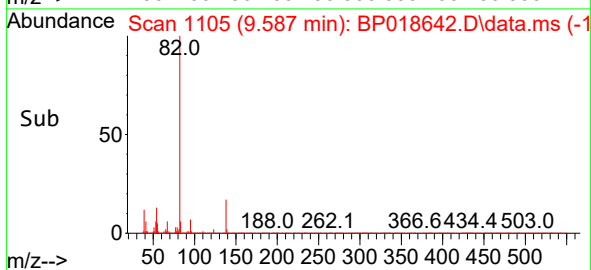
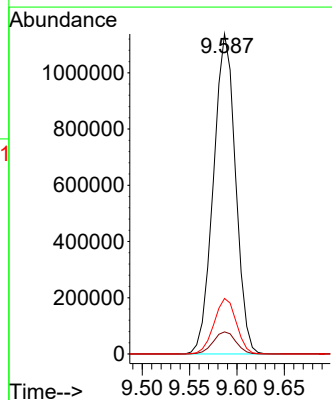
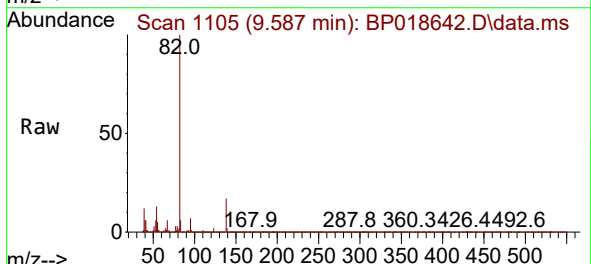
Instrument :
BNA_P
ClientSampleId :
E05N2MS

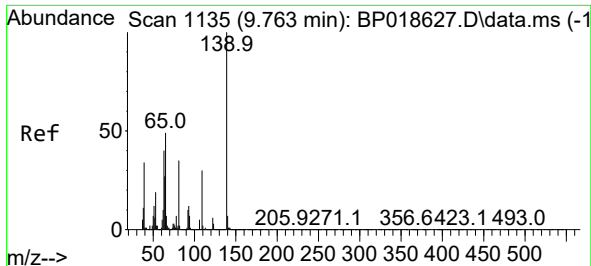
Tgt Ion: 77 Resp: 1001627
Ion Ratio Lower Upper
77 100
123 46.6 35.8 53.8
65 12.9 10.5 15.7



#23
Isophorone
Concen: 29.495 ng/ul
RT: 9.587 min Scan# 1105
Delta R.T. 0.000 min
Lab File: BP018642.D
Acq: 06 Dec 2023 18:03

Tgt Ion: 82 Resp: 1847581
Ion Ratio Lower Upper
82 100
95 6.9 5.5 8.3
138 17.3 13.5 20.3

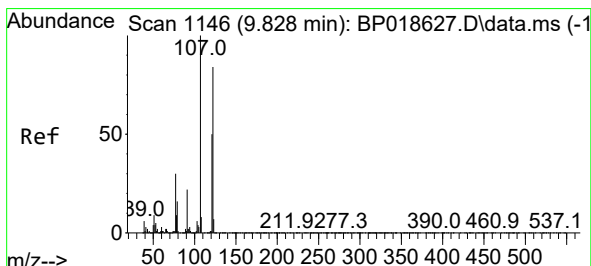
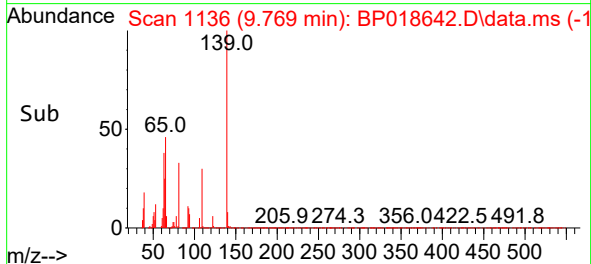
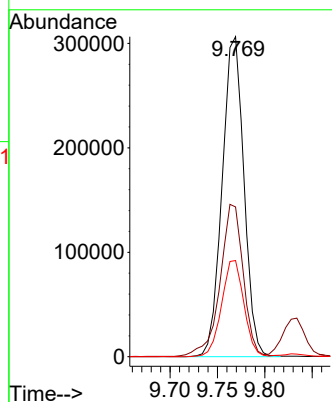
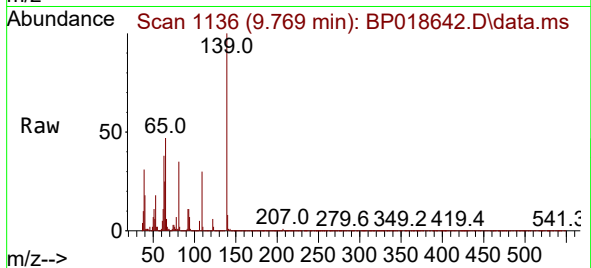




#25
2-Nitrophenol
Concen: 34.929 ng/ul
RT: 9.769 min Scan# 1135
Delta R.T. 0.000 min
Lab File: BP018642.D
Acq: 06 Dec 2023 18:03

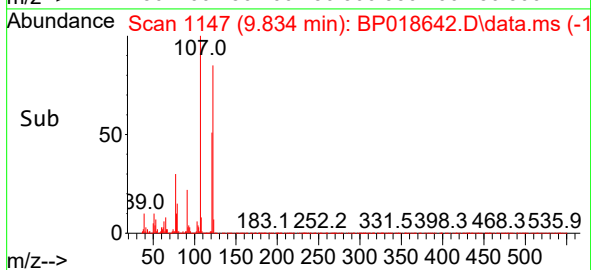
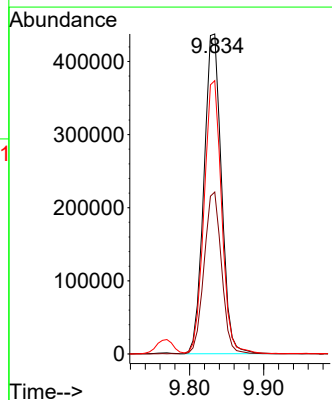
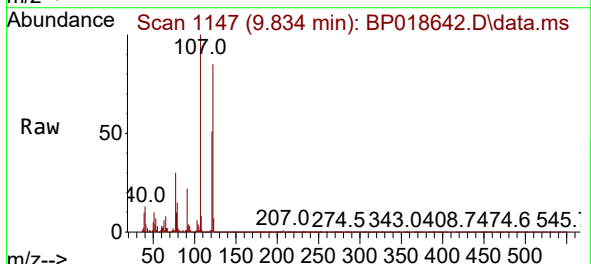
Instrument :
BNA_P
ClientSampleId :
E05N2MS

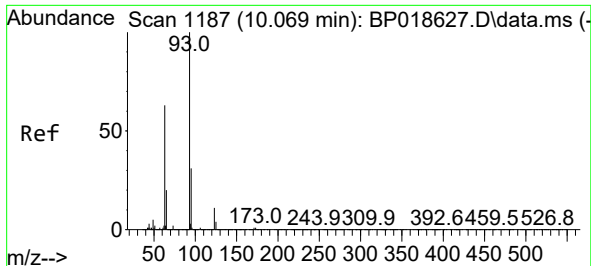
Tgt Ion:139 Resp: 489939
Ion Ratio Lower Upper
139 100
65 46.8 39.1 58.7
109 30.0 23.8 35.6



#26
2,4-Dimethylphenol
Concen: 26.291 ng/ul
RT: 9.834 min Scan# 1147
Delta R.T. 0.000 min
Lab File: BP018642.D
Acq: 06 Dec 2023 18:03

Tgt Ion:107 Resp: 721254
Ion Ratio Lower Upper
107 100
121 50.6 40.0 60.0
122 85.4 69.1 103.7





#27

Bis(2-Chloroethoxy)methane

Concen: 26.886 ng/ul

RT: 10.069 min Scan# 1187

Delta R.T. -0.006 min

Lab File: BP018642.D

Acq: 06 Dec 2023 18:03

Instrument :

BNA_P

ClientSampleId :

E05N2MS

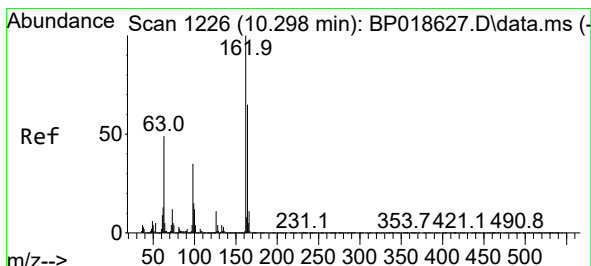
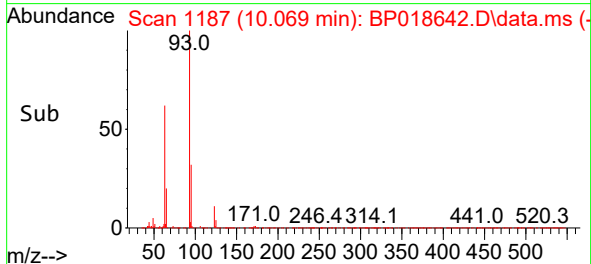
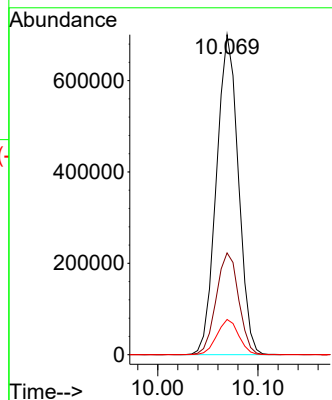
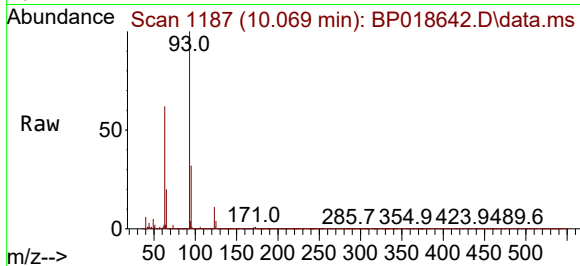
Tgt Ion: 93 Resp: 1063229

Ion Ratio Lower Upper

93 100

95 31.8 26.1 39.1

123 11.0 8.9 13.3



#29

2,4-Dichlorophenol

Concen: 28.856 ng/ul

RT: 10.299 min Scan# 1226

Delta R.T. 0.000 min

Lab File: BP018642.D

Acq: 06 Dec 2023 18:03

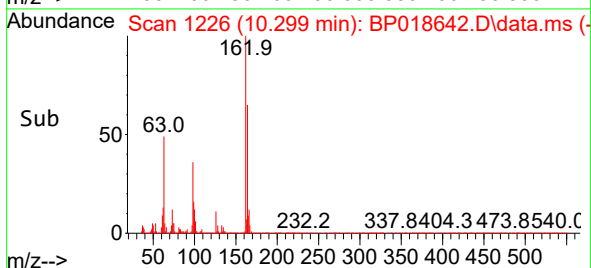
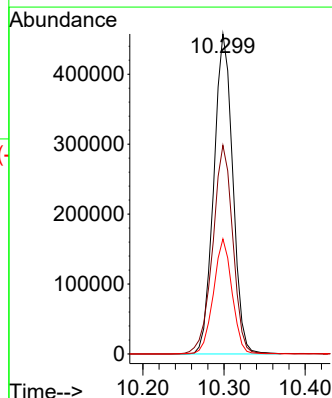
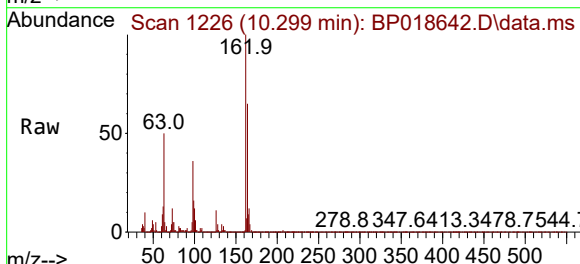
Tgt Ion:162 Resp: 744557

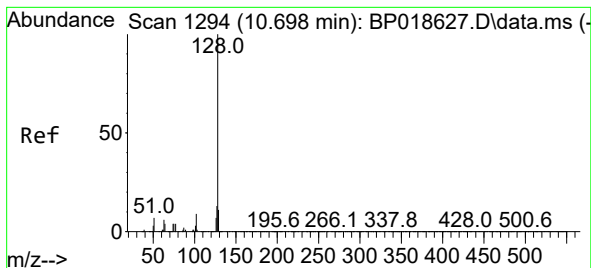
Ion Ratio Lower Upper

162 100

164 65.2 51.7 77.5

98 35.9 29.2 43.8

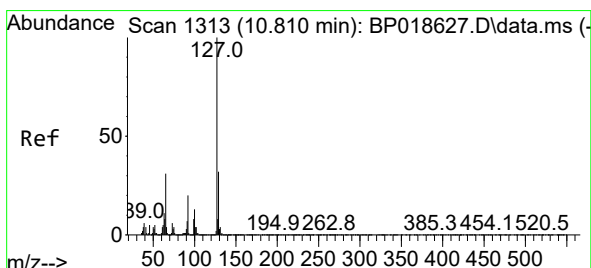
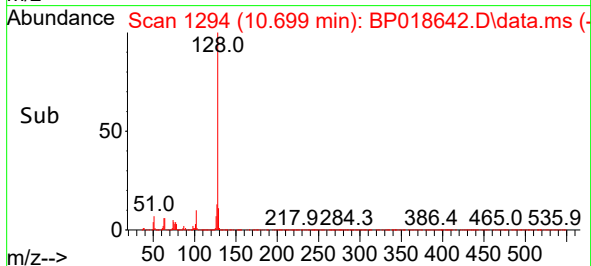
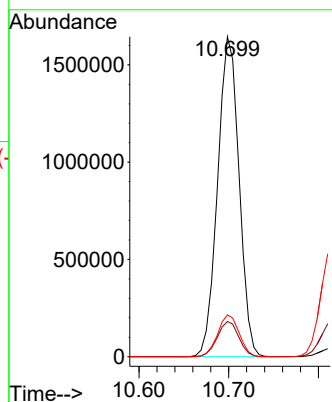
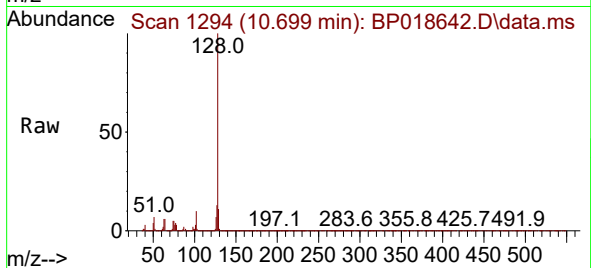




#30
Naphthalene
Concen: 31.638 ng/ul
RT: 10.699 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP018642.D
Acq: 06 Dec 2023 18:03

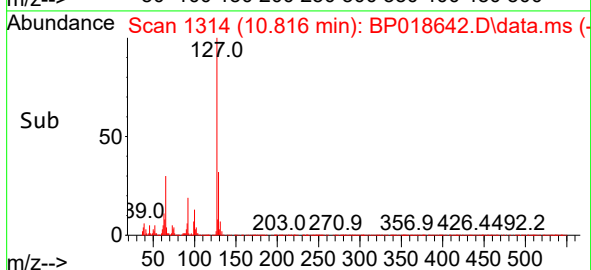
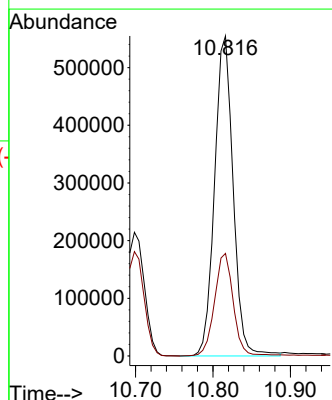
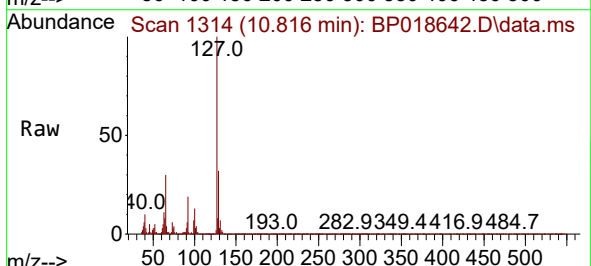
Instrument :
BNA_P
ClientSampleId :
E05N2MS

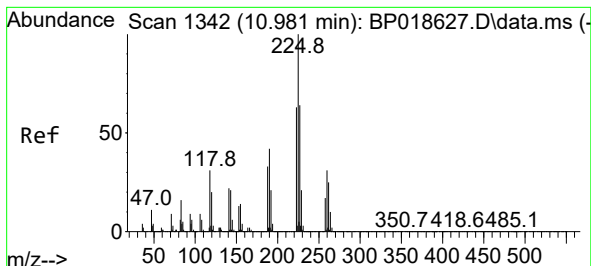
Tgt Ion:128 Resp: 2724868
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 13.0 10.5 15.7



#32
4-Chloroaniline
Concen: 27.719 ng/ul
RT: 10.816 min Scan# 1314
Delta R.T. 0.000 min
Lab File: BP018642.D
Acq: 06 Dec 2023 18:03

Tgt Ion:127 Resp: 924891
Ion Ratio Lower Upper
127 100
129 32.1 25.6 38.4





#33

Hexachlorobutadiene

Concen: 35.515 ng/ul

RT: 10.981 min Scan# 11

Delta R.T. -0.006 min

Lab File: BP018642.D

Acq: 06 Dec 2023 18:03

Instrument :

BNA_P

ClientSampleId :

E05N2MS

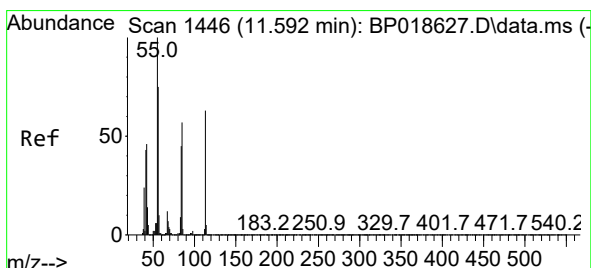
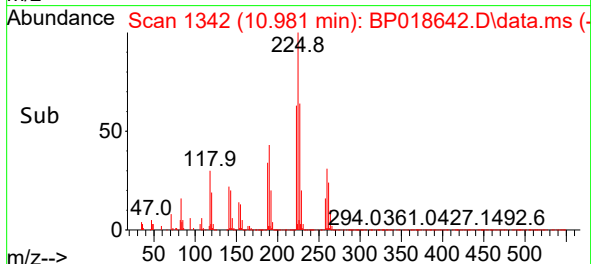
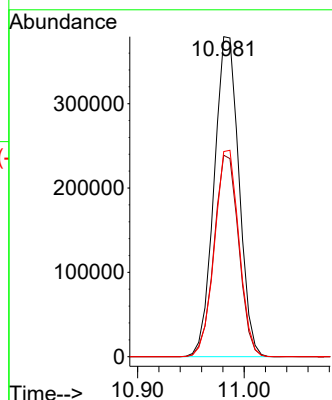
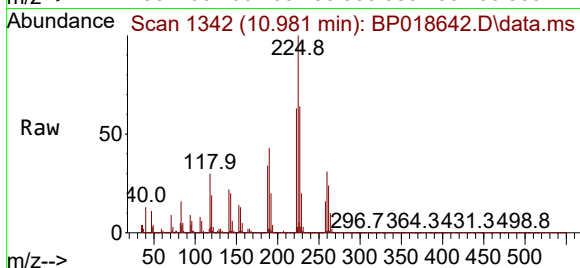
Tgt Ion:225 Resp: 613715

Ion Ratio Lower Upper

225 100

223 63.0 49.5 74.3

227 64.1 50.9 76.3



#34

Caprolactam

Concen: 22.588 ng/ul

RT: 11.598 min Scan# 1447

Delta R.T. 0.006 min

Lab File: BP018642.D

Acq: 06 Dec 2023 18:03

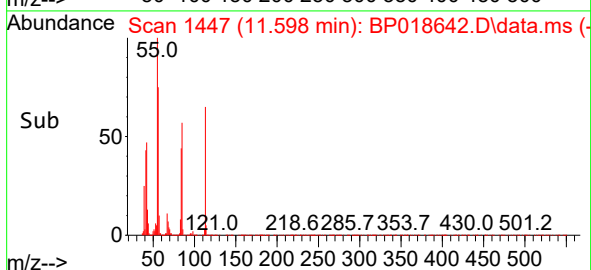
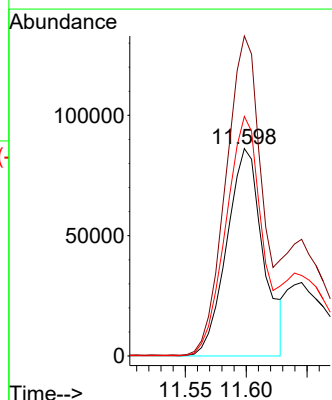
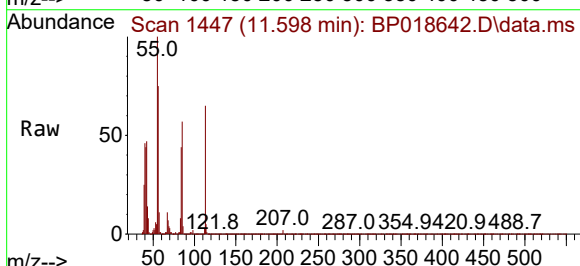
Tgt Ion:113 Resp: 178715

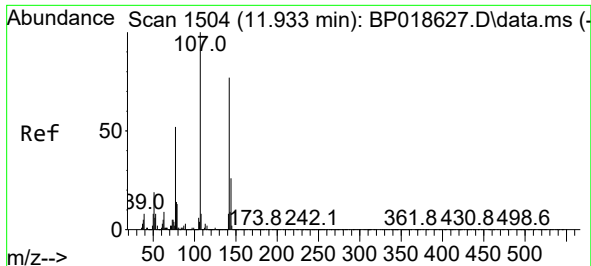
Ion Ratio Lower Upper

113 100

55 154.4 133.7 200.5

56 115.6 97.4 146.2

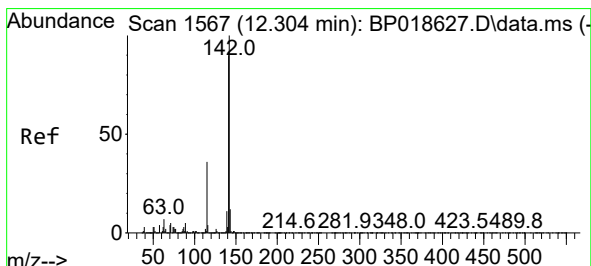
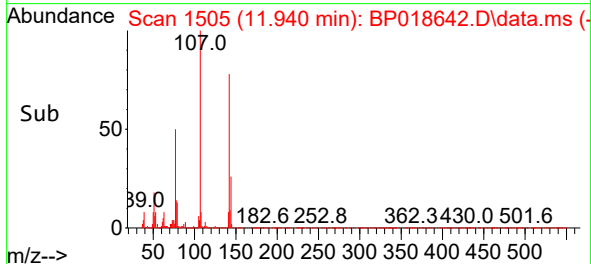
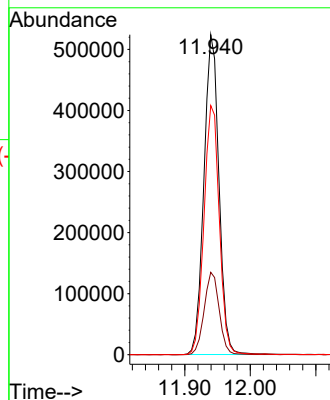
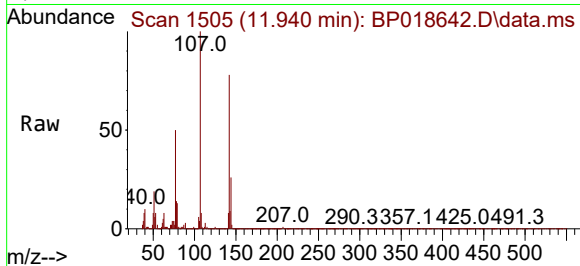




#35
4-Chloro-3-methylphenol
Concen: 28.982 ng/ul
RT: 11.940 min Scan# 1504
Delta R.T. 0.000 min
Lab File: BP018642.D
Acq: 06 Dec 2023 18:03

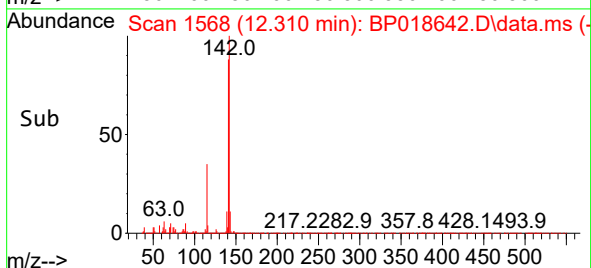
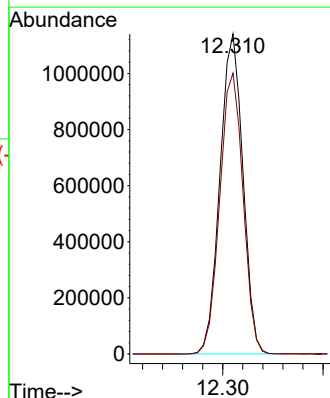
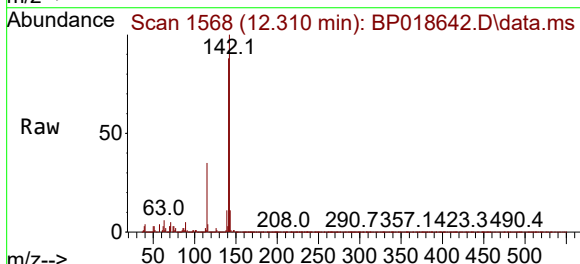
Instrument :
BNA_P
ClientSampleId :
E05N2MS

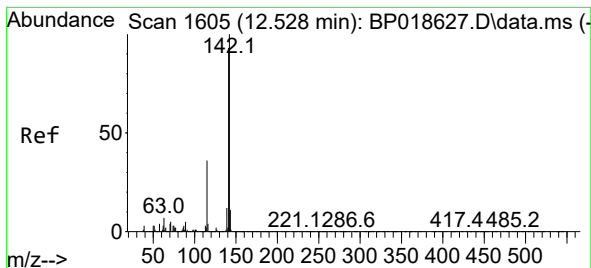
Tgt Ion:107 Resp: 837743
Ion Ratio Lower Upper
107 100
144 25.8 21.0 31.6
142 77.9 63.6 95.4



#36
2-Methylnaphthalene
Concen: 29.641 ng/ul
RT: 12.310 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BP018642.D
Acq: 06 Dec 2023 18:03

Tgt Ion:142 Resp: 1808534
Ion Ratio Lower Upper
142 100
141 87.7 71.4 107.0





#37

1-Methylnaphthalene

Concen: 28.702 ng/ul

RT: 12.528 min Scan# 1605

Delta R.T. 0.000 min

Lab File: BP018642.D

Acq: 06 Dec 2023 18:03

Instrument :

BNA_P

ClientSampleId :

E05N2MS

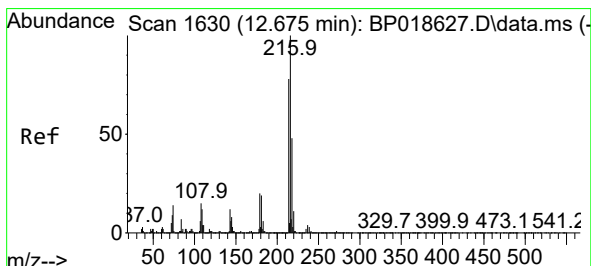
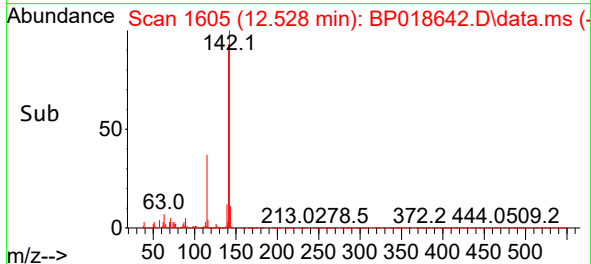
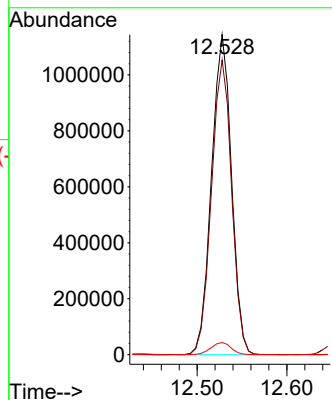
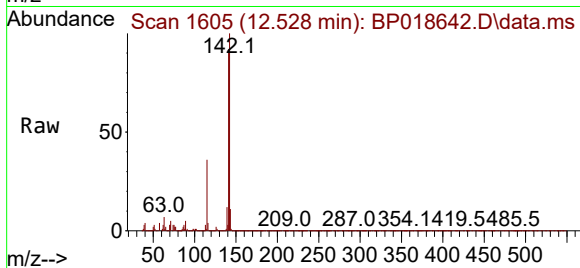
Tgt Ion:142 Resp: 1768548

Ion Ratio Lower Upper

142 100

141 92.1 73.5 110.3

116 3.8 2.8 4.2



#39

1,2,4,5-Tetrachlorobenzene

Concen: 36.736 ng/ul

RT: 12.675 min Scan# 1630

Delta R.T. -0.006 min

Lab File: BP018642.D

Acq: 06 Dec 2023 18:03

Tgt Ion:216 Resp: 1057086

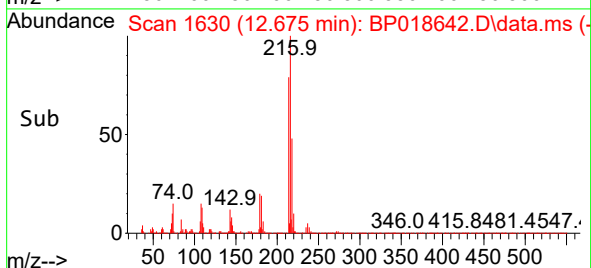
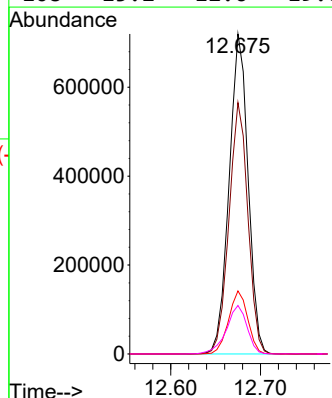
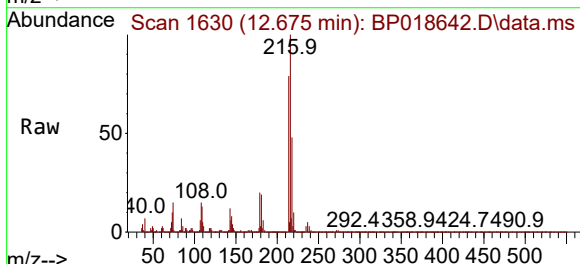
Ion Ratio Lower Upper

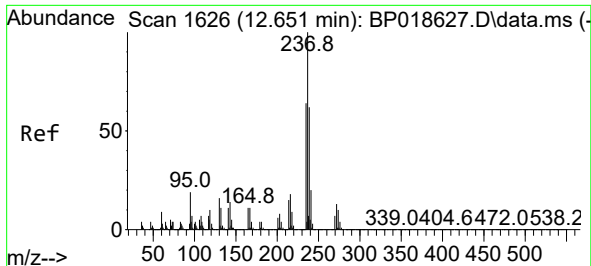
216 100

214 78.6 63.9 95.9

179 19.7 16.3 24.5

108 15.2 12.6 19.0

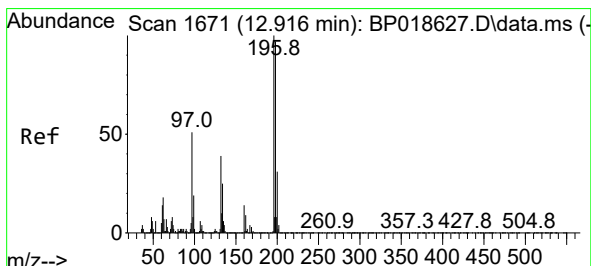
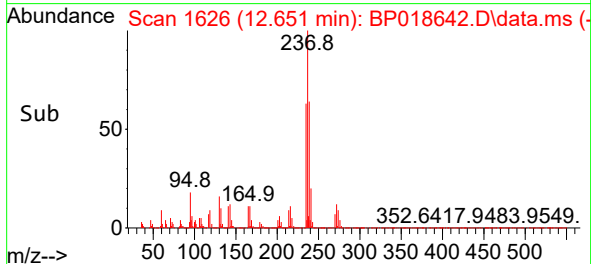
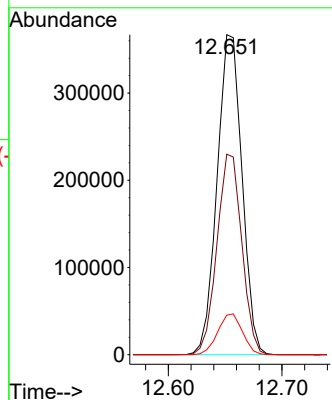
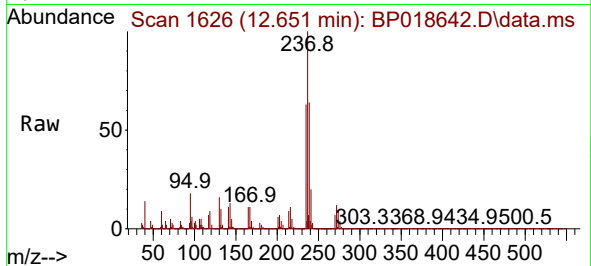




#40
Hexachlorocyclopentadiene
Concen: 32.794 ng/ul
RT: 12.651 min Scan# 1626
Delta R.T. -0.006 min
Lab File: BP018642.D
Acq: 06 Dec 2023 18:03

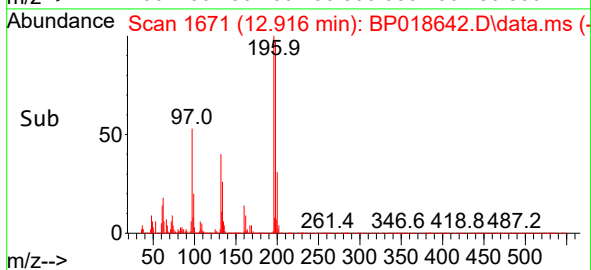
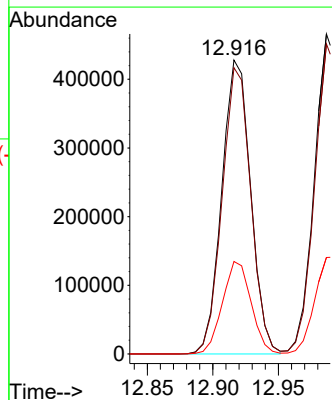
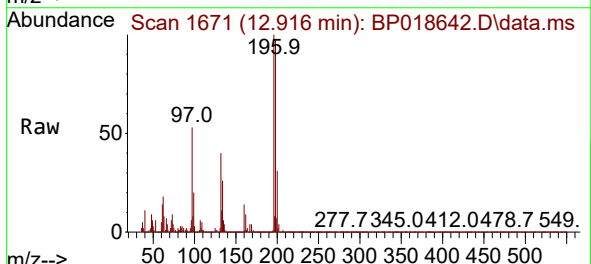
Instrument :
BNA_P
ClientSampleId :
E05N2MS

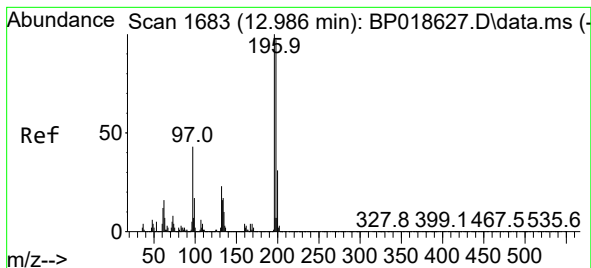
Tgt Ion:237 Resp: 559325
Ion Ratio Lower Upper
237 100
235 62.7 49.4 74.0
272 12.3 9.8 14.8



#41
2,4,6-Trichlorophenol
Concen: 35.433 ng/ul
RT: 12.916 min Scan# 1671
Delta R.T. -0.006 min
Lab File: BP018642.D
Acq: 06 Dec 2023 18:03

Tgt Ion:196 Resp: 655896
Ion Ratio Lower Upper
196 100
198 97.4 76.9 115.3
200 31.4 25.0 37.6





#42

2,4,5-Trichlorophenol

Concen: 34.992 ng/ul

RT: 12.987 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP018642.D

Acq: 06 Dec 2023 18:03

Instrument :

BNA_P

ClientSampleId :

E05N2MS

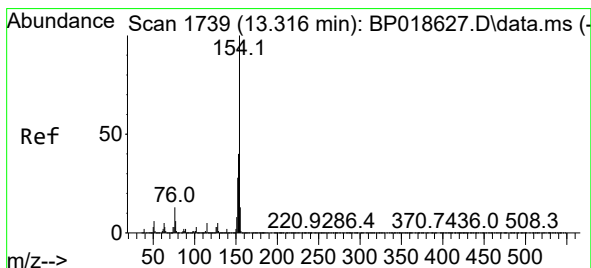
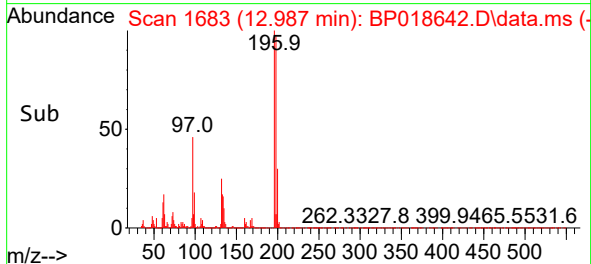
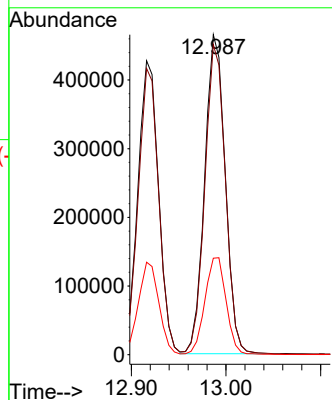
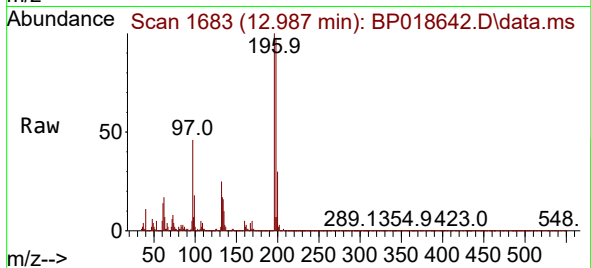
Tgt Ion:196 Resp: 702227

Ion Ratio Lower Upper

196 100

198 96.9 77.9 116.9

200 30.1 25.2 37.8



#43

1,1'-Biphenyl

Concen: 33.739 ng/ul

RT: 13.322 min Scan# 1740

Delta R.T. 0.000 min

Lab File: BP018642.D

Acq: 06 Dec 2023 18:03

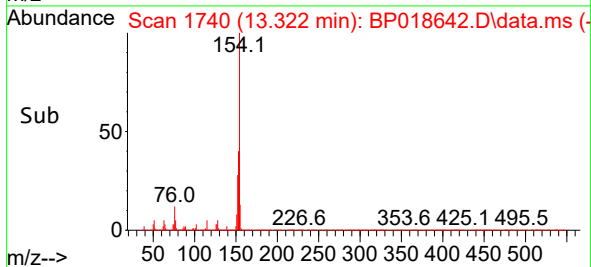
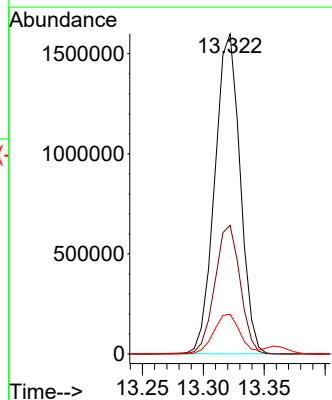
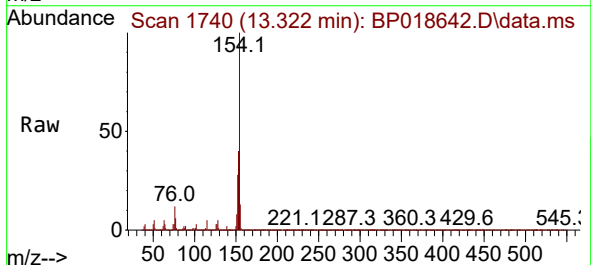
Tgt Ion:154 Resp: 2314247

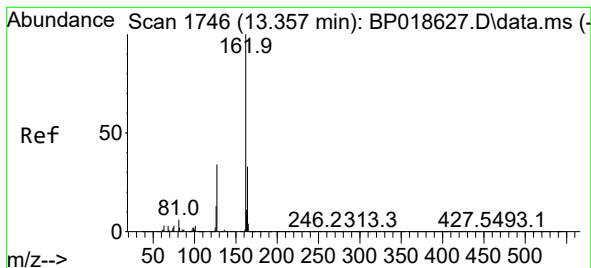
Ion Ratio Lower Upper

154 100

153 40.2 32.8 49.2

76 12.4 10.7 16.1

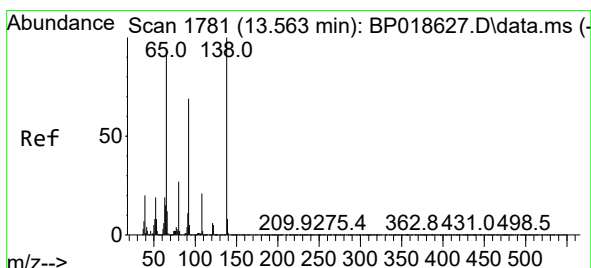
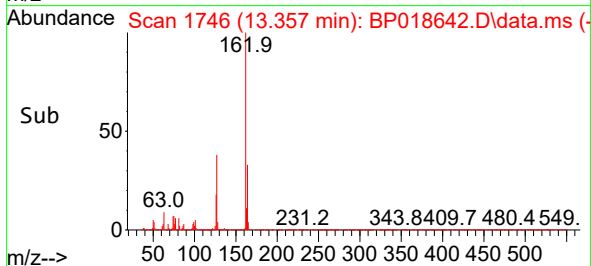
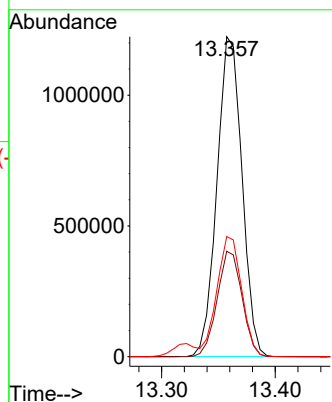
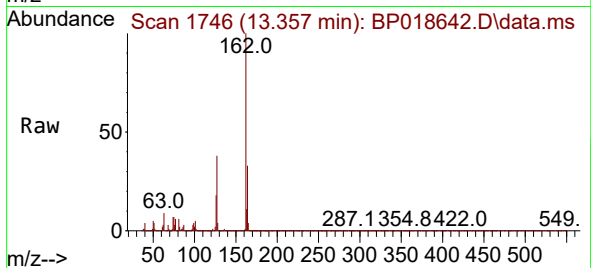




#44
2-Chloronaphthalene
Concen: 34.543 ng/ul
RT: 13.357 min Scan# 1746
Delta R.T. -0.006 min
Lab File: BP018642.D
Acq: 06 Dec 2023 18:03

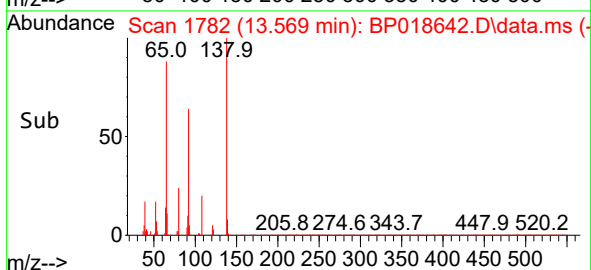
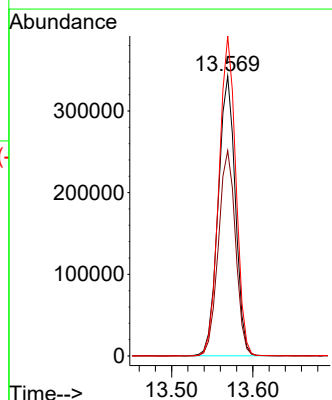
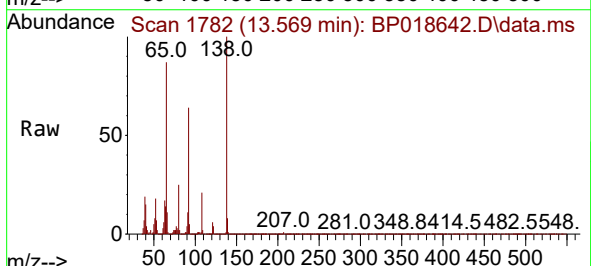
Instrument :
BNA_P
ClientSampleId :
E05N2MS

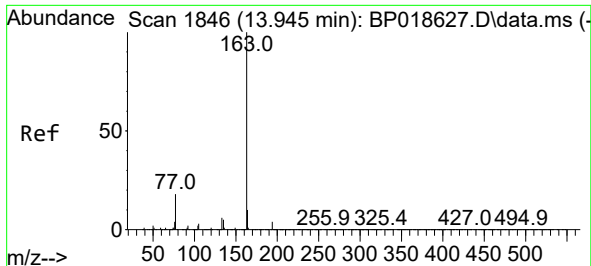
Tgt Ion:162 Resp: 1871352
Ion Ratio Lower Upper
162 100
164 32.9 25.7 38.5
127 37.6 30.3 45.5



#45
2-Nitroaniline
Concen: 34.313 ng/ul
RT: 13.569 min Scan# 1782
Delta R.T. 0.000 min
Lab File: BP018642.D
Acq: 06 Dec 2023 18:03

Tgt Ion: 65 Resp: 503944
Ion Ratio Lower Upper
65 100
92 73.3 56.9 85.3
138 114.3 88.2 132.2

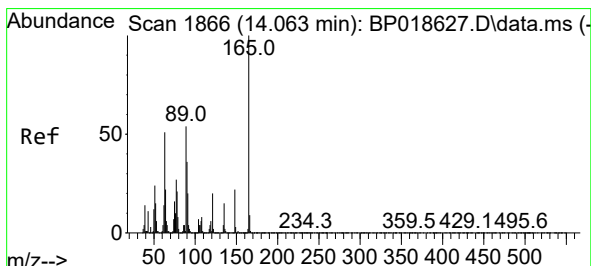
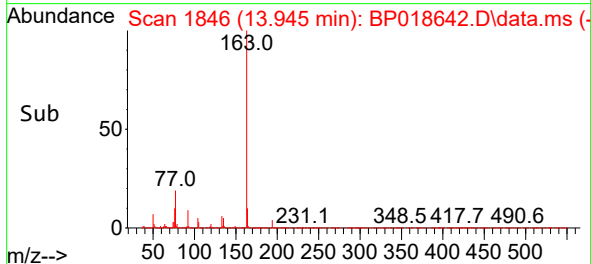
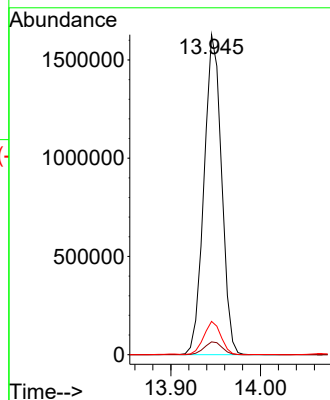
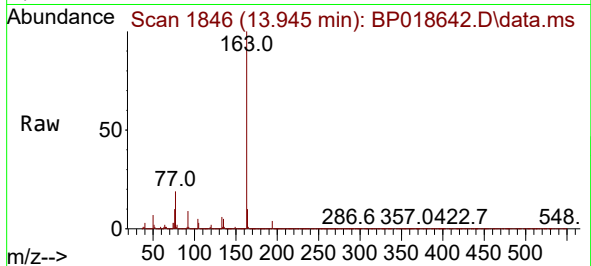




#47
Dimethylphthalate
Concen: 31.703 ng/ul
RT: 13.945 min Scan# 1846
Delta R.T. -0.006 min
Lab File: BP018642.D
Acq: 06 Dec 2023 18:03

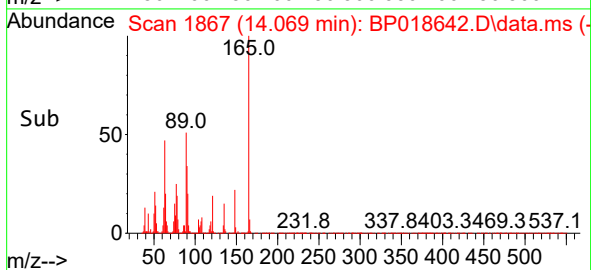
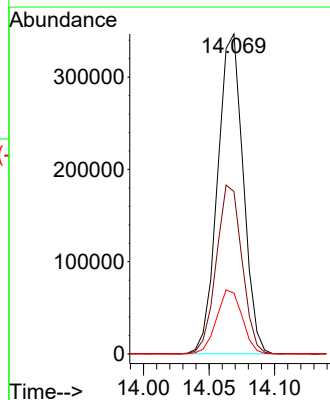
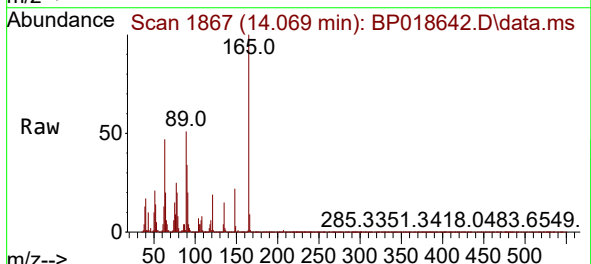
Instrument :
BNA_P
ClientSampleId :
E05N2MS

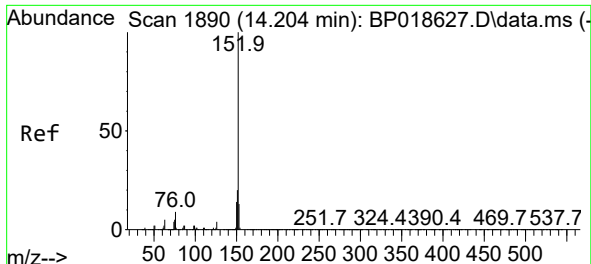
Tgt Ion:163 Resp: 2209035
Ion Ratio Lower Upper
163 100
194 4.0 3.2 4.8
164 10.4 8.0 12.0



#48
2,6-Dinitrotoluene
Concen: 35.741 ng/ul
RT: 14.069 min Scan# 1867
Delta R.T. 0.000 min
Lab File: BP018642.D
Acq: 06 Dec 2023 18:03

Tgt Ion:165 Resp: 470506
Ion Ratio Lower Upper
165 100
89 50.8 46.6 70.0
121 19.0 17.3 25.9

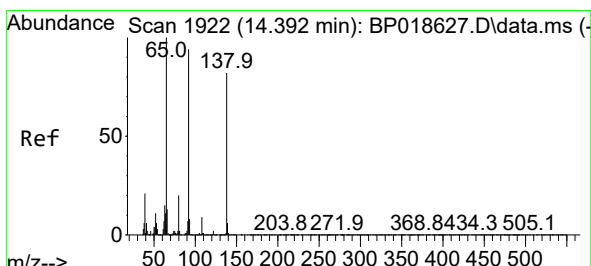
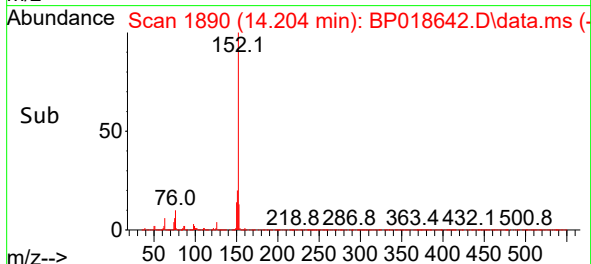
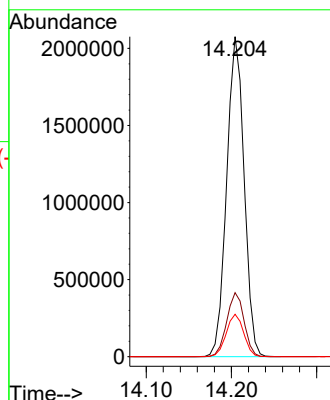
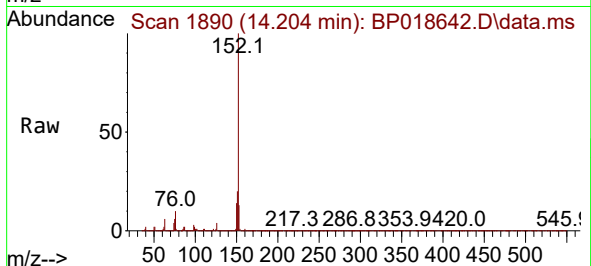




#50
Acenaphthylene
Concen: 33.666 ng/ul
RT: 14.204 min Scan# 1890
Delta R.T. 0.000 min
Lab File: BP018642.D
Acq: 06 Dec 2023 18:03

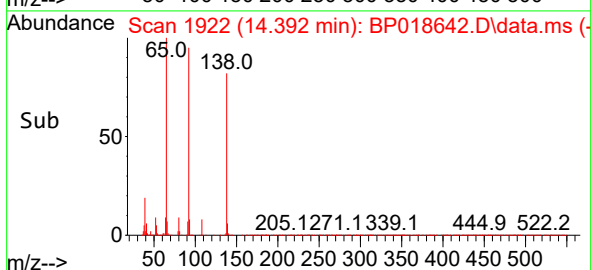
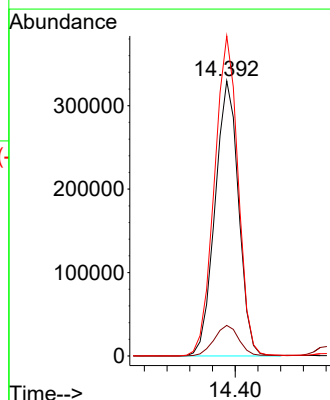
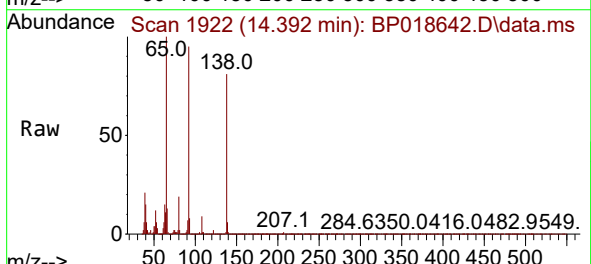
Instrument :
BNA_P
ClientSampleId :
E05N2MS

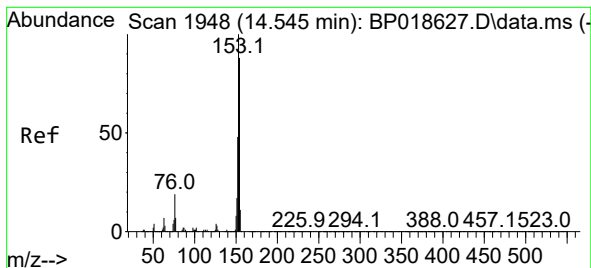
Tgt Ion:152 Resp: 2950268
Ion Ratio Lower Upper
152 100
151 20.0 15.9 23.9
153 13.2 10.6 16.0



#51
3-Nitroaniline
Concen: 36.101 ng/ul
RT: 14.392 min Scan# 1922
Delta R.T. 0.000 min
Lab File: BP018642.D
Acq: 06 Dec 2023 18:03

Tgt Ion:138 Resp: 474417
Ion Ratio Lower Upper
138 100
108 11.1 9.5 14.3
92 116.4 93.1 139.7





#52

Acenaphthene

Concen: 33.239 ng/ul

RT: 14.545 min Scan# 1948

Delta R.T. -0.006 min

Lab File: BP018642.D

Acq: 06 Dec 2023 18:03

Instrument :

BNA_P

ClientSampleId :

E05N2MS

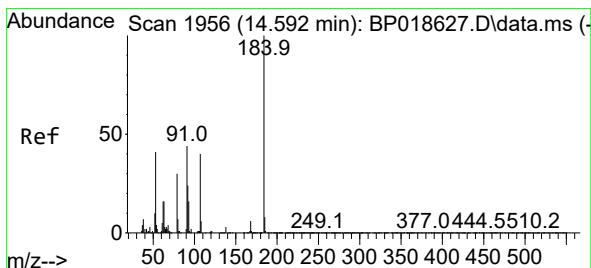
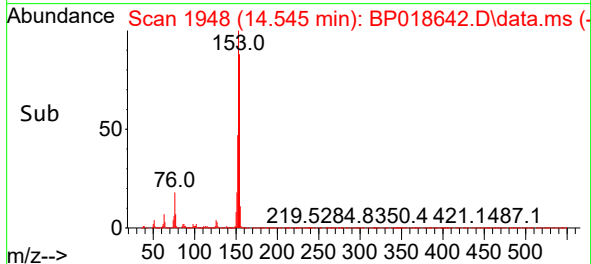
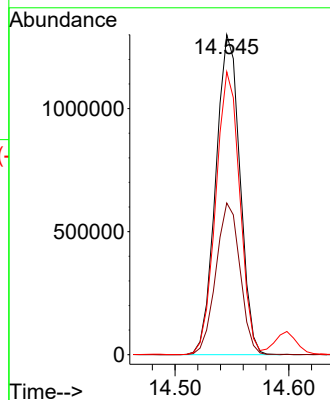
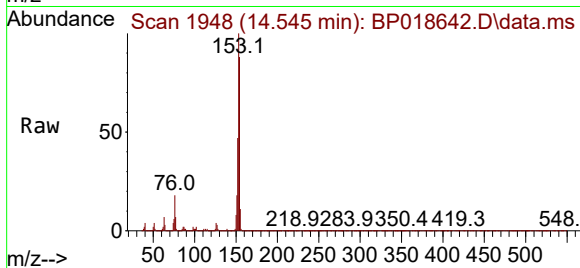
Tgt Ion:153 Resp: 1925979

Ion Ratio Lower Upper

153 100

152 47.4 38.1 57.1

154 88.4 71.7 107.5



#53

2,4-Dinitrophenol

Concen: 29.997 ng/ul

RT: 14.598 min Scan# 1957

Delta R.T. 0.000 min

Lab File: BP018642.D

Acq: 06 Dec 2023 18:03

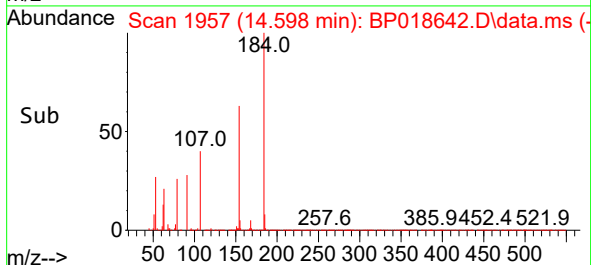
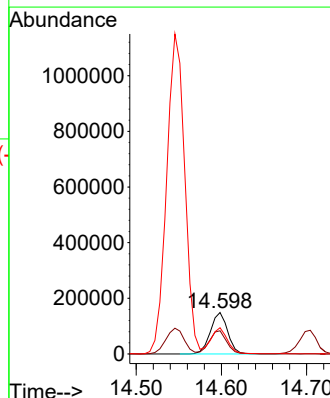
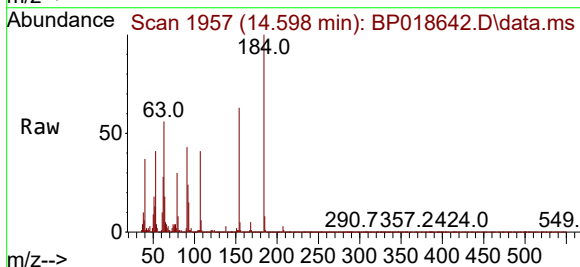
Tgt Ion:184 Resp: 209289

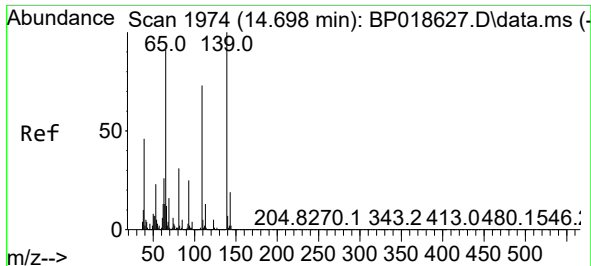
Ion Ratio Lower Upper

184 100

63 56.1 48.2 72.4

154 63.2 49.1 73.7

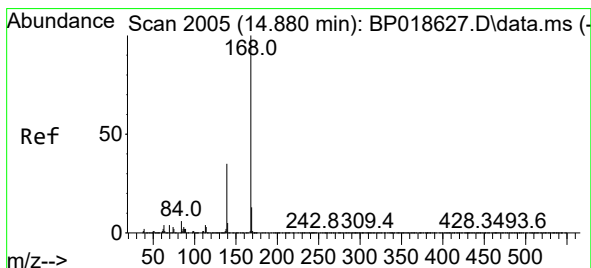
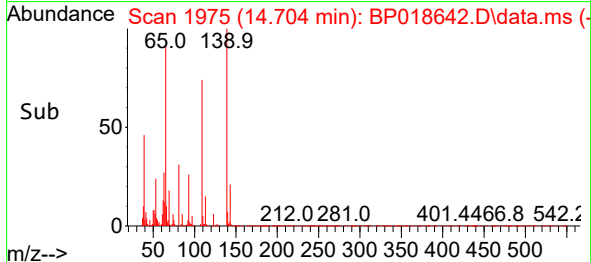
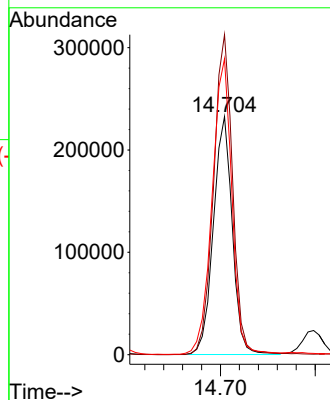
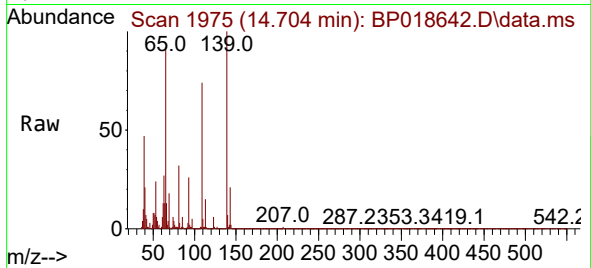




#55
4-Nitrophenol
Concen: 36.732 ng/ul
RT: 14.704 min Scan# 1974
Delta R.T. 0.006 min
Lab File: BP018642.D
Acq: 06 Dec 2023 18:03

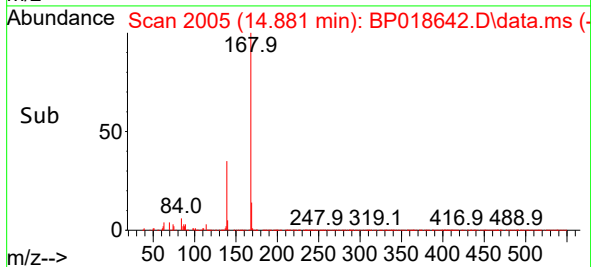
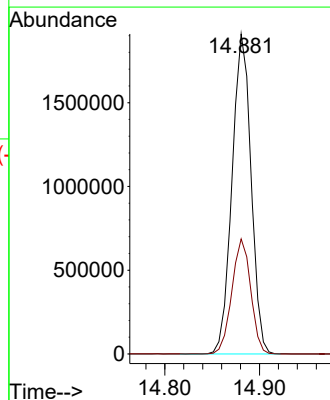
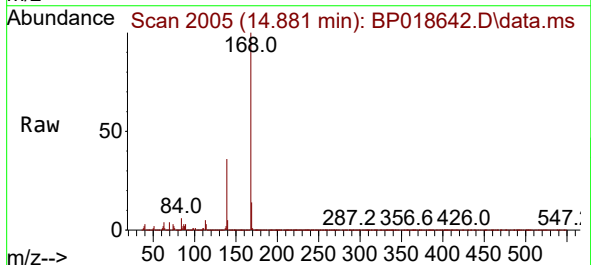
Instrument :
BNA_P
ClientSampleId :
E05N2MS

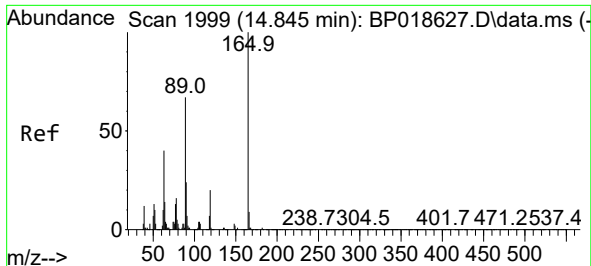
Tgt Ion:109 Resp: 322453
Ion Ratio Lower Upper
109 100
139 134.4 109.0 163.4
65 124.2 106.2 159.4



#56
Dibenzofuran
Concen: 33.007 ng/ul
RT: 14.881 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BP018642.D
Acq: 06 Dec 2023 18:03

Tgt Ion:168 Resp: 2658111
Ion Ratio Lower Upper
168 100
139 35.9 29.1 43.7





#57

2,4-Dinitrotoluene

Concen: 35.517 ng/ul

RT: 14.851 min Scan# 2000

Delta R.T. 0.000 min

Lab File: BP018642.D

Acq: 06 Dec 2023 18:03

Instrument :

BNA_P

ClientSampleId :

E05N2MS

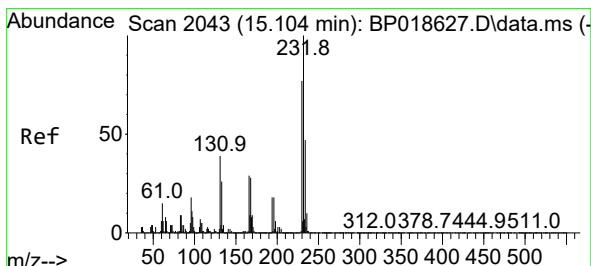
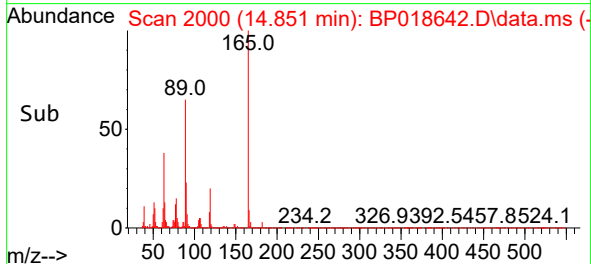
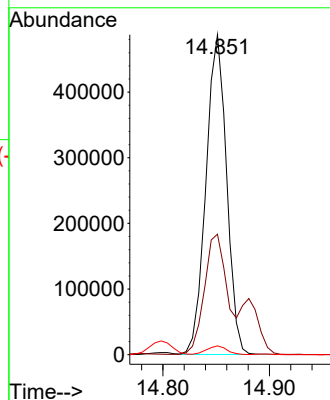
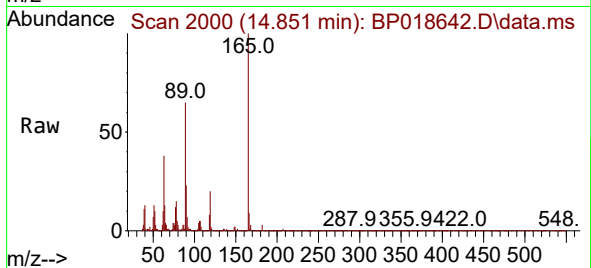
Tgt Ion:165 Resp: 657692

Ion Ratio Lower Upper

165 100

63 37.7 32.7 49.1

182 2.8 2.1 3.1



#58

2,3,4,6-Tetrachlorophenol

Concen: 34.141 ng/ul

RT: 15.104 min Scan# 2043

Delta R.T. -0.006 min

Lab File: BP018642.D

Acq: 06 Dec 2023 18:03

Tgt Ion:232 Resp: 574707

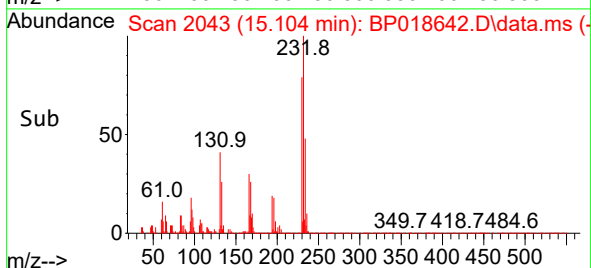
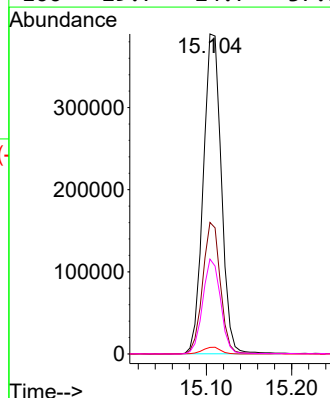
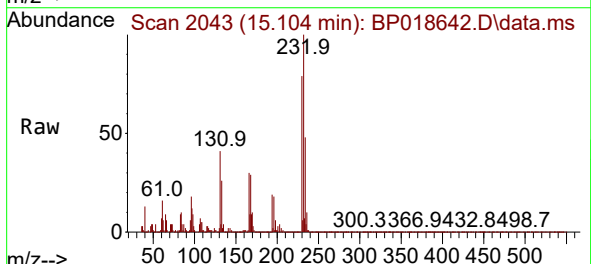
Ion Ratio Lower Upper

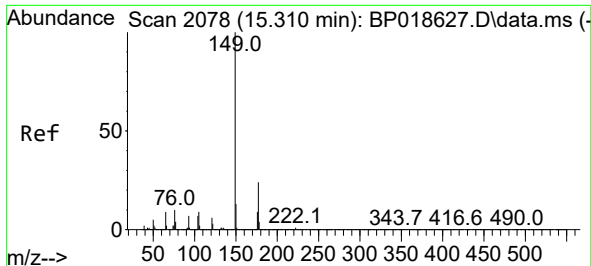
232 100

131 41.1 33.8 50.8

130 2.1 1.8 2.8

166 29.7 24.7 37.1

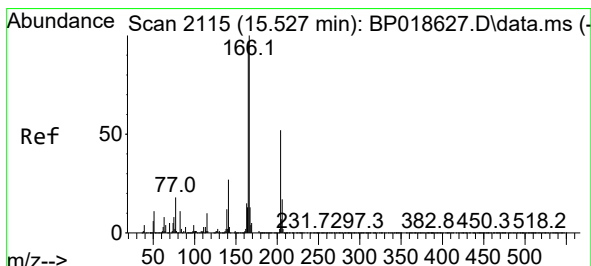
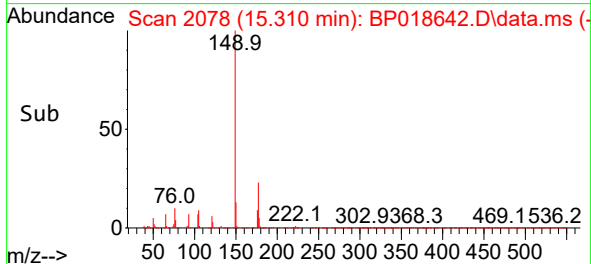
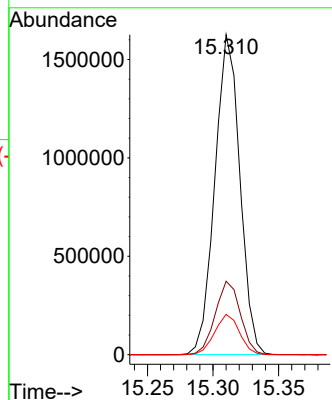
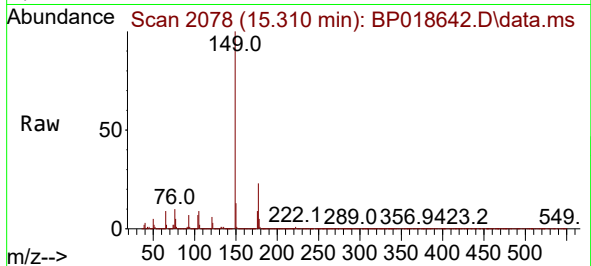




#59
Diethylphthalate
Concen: 31.554 ng/ul
RT: 15.310 min Scan# 2078
Delta R.T. -0.006 min
Lab File: BP018642.D
Acq: 06 Dec 2023 18:03

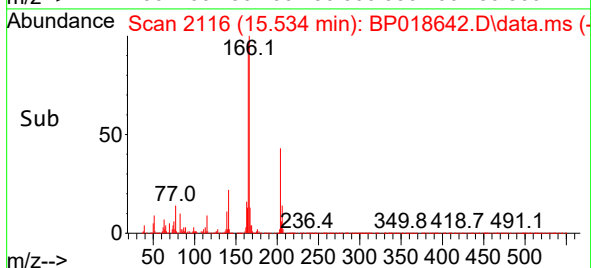
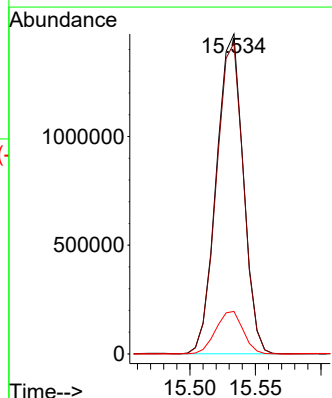
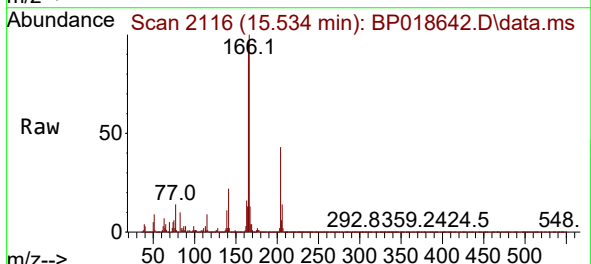
Instrument :
BNA_P
ClientSampleId :
E05N2MS

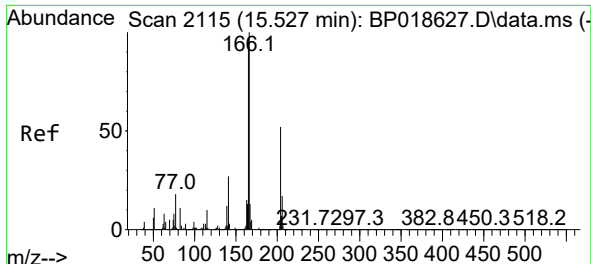
Tgt Ion:149 Resp: 2151445
Ion Ratio Lower Upper
149 100
177 23.0 18.2 27.4
150 12.6 9.9 14.9



#61
Fluorene
Concen: 32.936 ng/ul
RT: 15.534 min Scan# 2116
Delta R.T. 0.000 min
Lab File: BP018642.D
Acq: 06 Dec 2023 18:03

Tgt Ion:166 Resp: 2098747
Ion Ratio Lower Upper
166 100
165 97.1 78.0 117.0
167 13.3 10.8 16.2

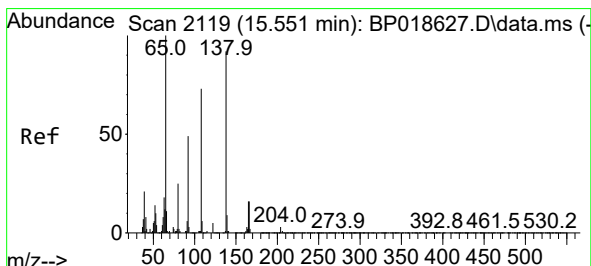
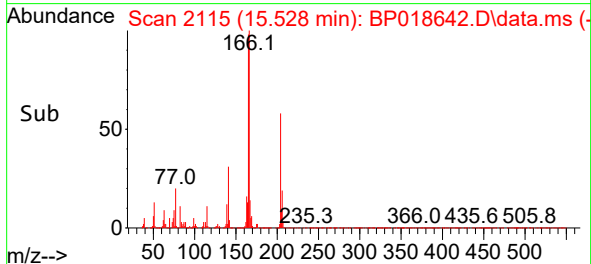
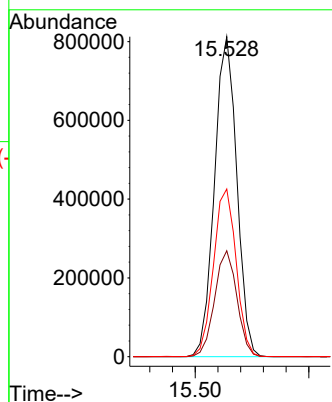
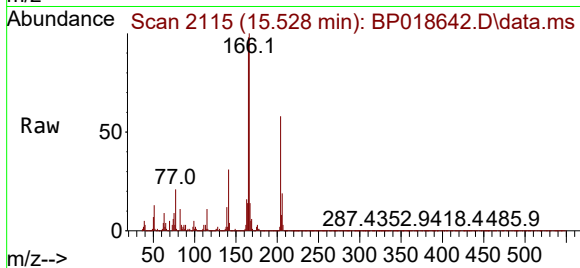




#62
4-Chlorophenyl-phenylether
Concen: 33.142 ng/ul
RT: 15.528 min Scan# 2115
Delta R.T. 0.000 min
Lab File: BP018642.D
Acq: 06 Dec 2023 18:03

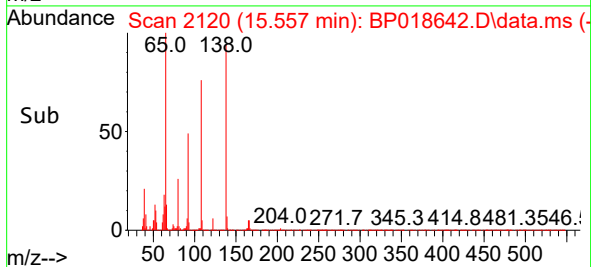
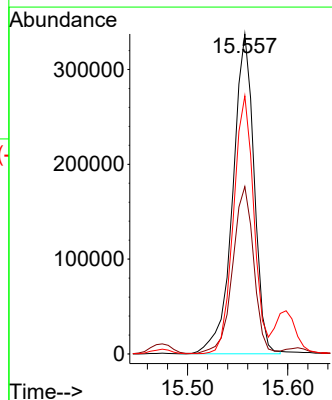
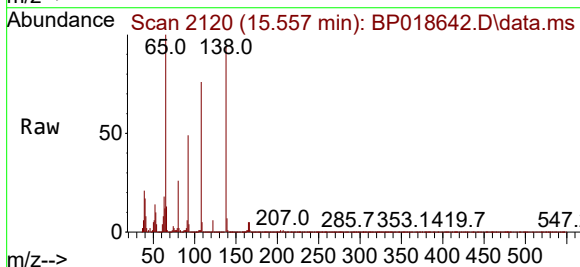
Instrument :
BNA_P
ClientSampleId :
E05N2MS

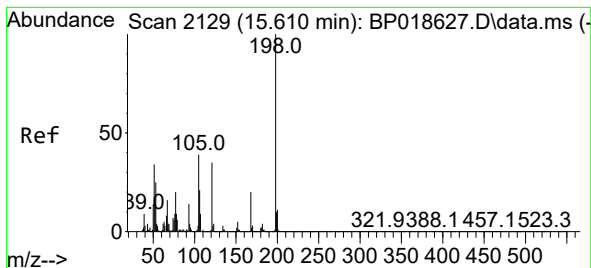
Tgt Ion:204 Resp: 1107634
Ion Ratio Lower Upper
204 100
206 33.1 27.1 40.7
141 52.4 45.8 68.8



#63
4-Nitroaniline
Concen: 39.935 ng/ul
RT: 15.557 min Scan# 2120
Delta R.T. 0.000 min
Lab File: BP018642.D
Acq: 06 Dec 2023 18:03

Tgt Ion:138 Resp: 499952
Ion Ratio Lower Upper
138 100
92 52.3 42.3 63.5
108 80.6 62.0 93.0

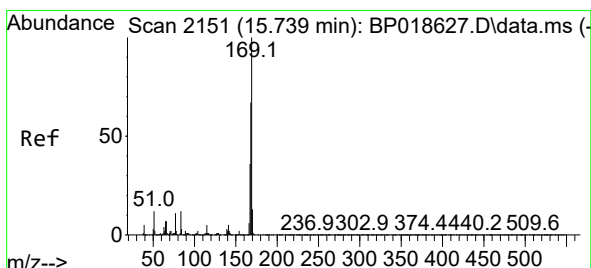
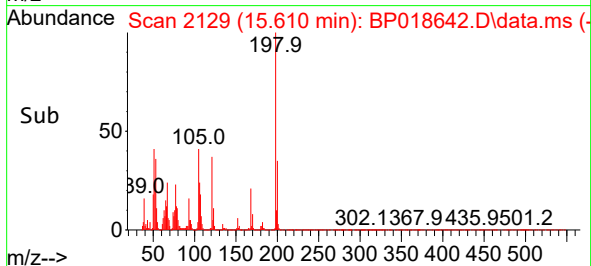
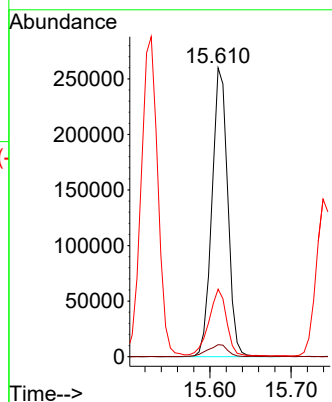
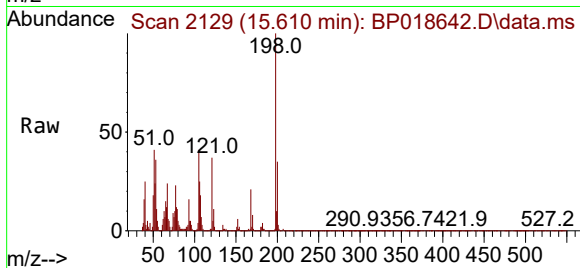




#66
4,6-Dinitro-2-methylphenol
Concen: 32.104 ng/ul
RT: 15.610 min Scan# 2129
Delta R.T. 0.000 min
Lab File: BP018642.D
Acq: 06 Dec 2023 18:03

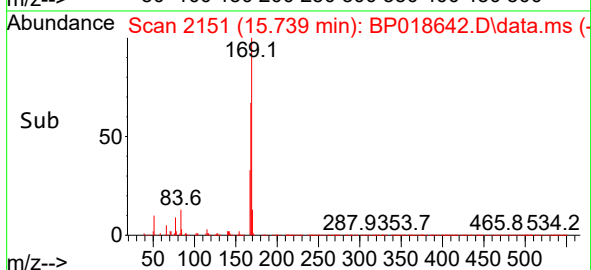
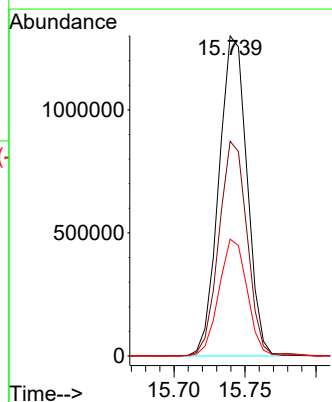
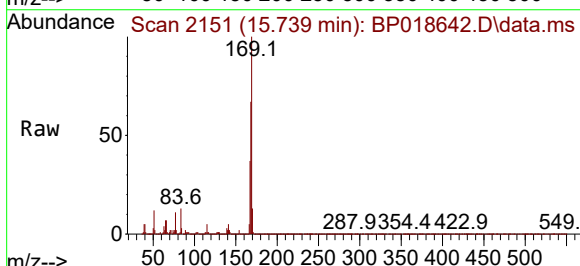
Instrument :
BNA_P
ClientSampleId :
E05N2MS

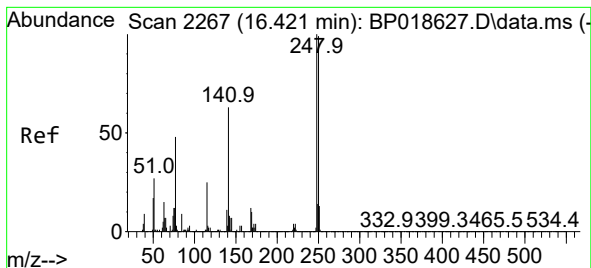
Tgt Ion:198 Resp: 350126
Ion Ratio Lower Upper
198 100
182 4.2 3.4 5.2
77 23.4 20.6 30.8



#67
N-Nitrosodiphenylamine
Concen: 31.815 ng/ul
RT: 15.739 min Scan# 2151
Delta R.T. -0.006 min
Lab File: BP018642.D
Acq: 06 Dec 2023 18:03

Tgt Ion:169 Resp: 1793546
Ion Ratio Lower Upper
169 100
168 67.1 53.1 79.7
167 36.5 29.1 43.7





#68

4-Bromophenyl-phenylether

Concen: 33.381 ng/ul

RT: 16.422 min Scan# 2267

Delta R.T. 0.000 min

Lab File: BP018642.D

Acq: 06 Dec 2023 18:03

Instrument :

BNA_P

ClientSampleId :

E05N2MS

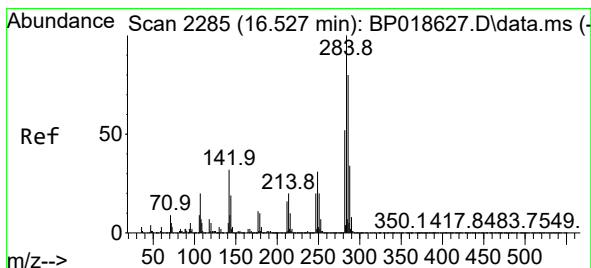
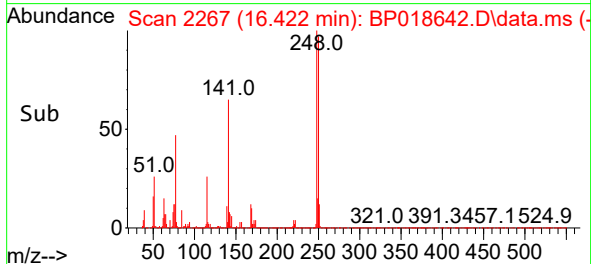
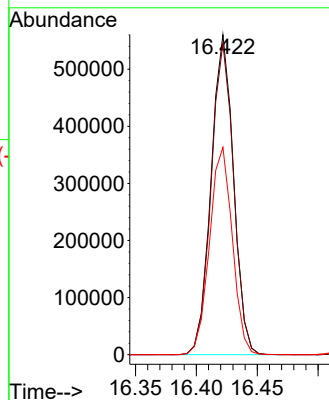
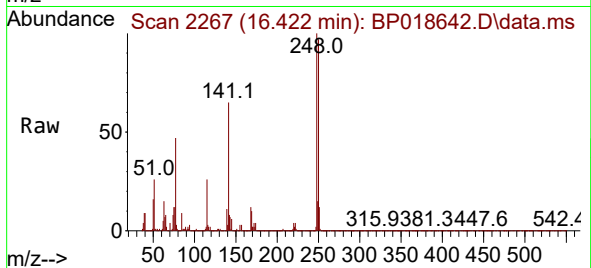
Tgt Ion:248 Resp: 716939

Ion Ratio Lower Upper

248 100

250 97.2 79.3 118.9

141 64.8 57.2 85.8



#69

Hexachlorobenzene

Concen: 34.332 ng/ul

RT: 16.534 min Scan# 2286

Delta R.T. 0.000 min

Lab File: BP018642.D

Acq: 06 Dec 2023 18:03

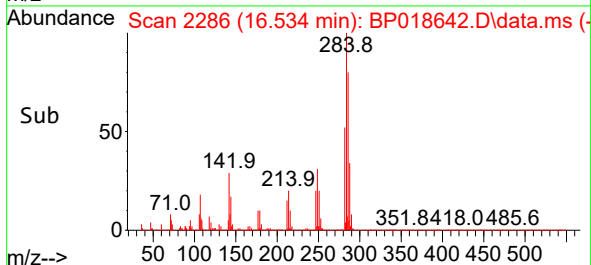
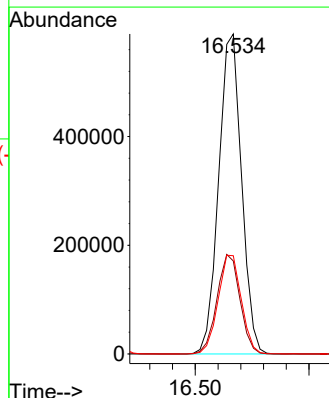
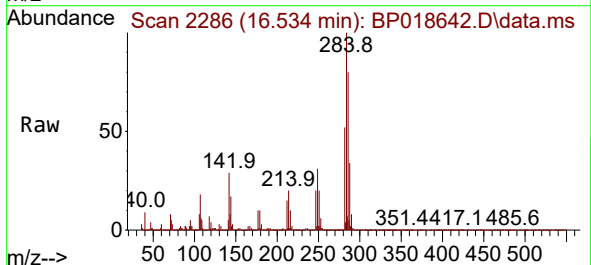
Tgt Ion:284 Resp: 823247

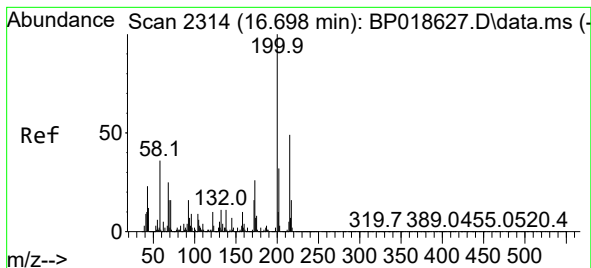
Ion Ratio Lower Upper

284 100

142 29.1 25.8 38.6

249 30.7 24.9 37.3





#70

Atrazine

Concen: 31.803 ng/ul

RT: 16.698 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP018642.D

Acq: 06 Dec 2023 18:03

Instrument :

BNA_P

ClientSampleId :

E05N2MS

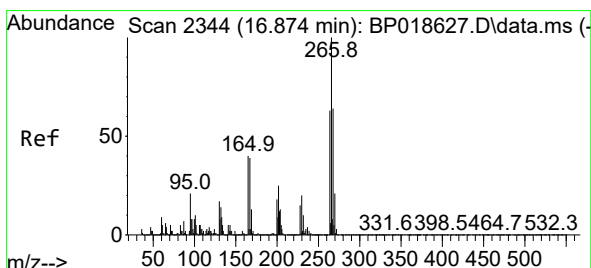
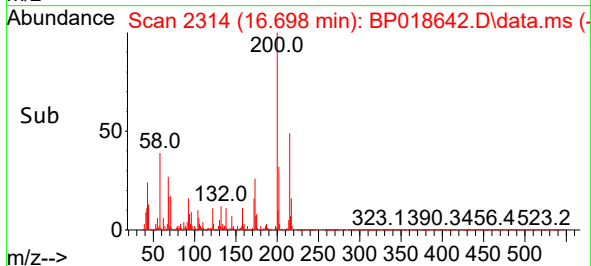
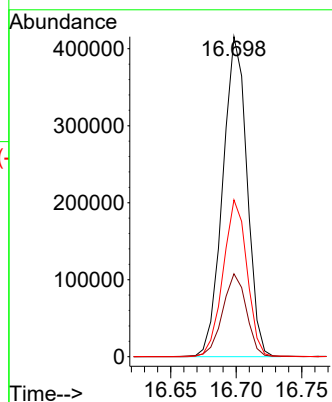
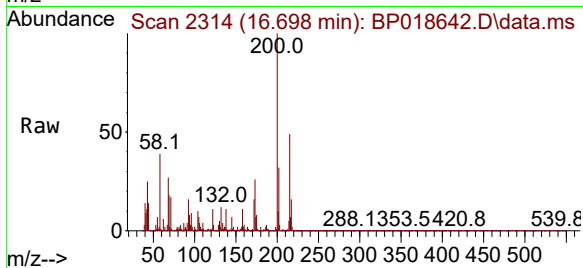
Tgt Ion:200 Resp: 533026

Ion Ratio Lower Upper

200 100

173 25.9 21.0 31.4

215 49.0 38.2 57.2



#71

Pentachlorophenol

Concen: 36.035 ng/ul

RT: 16.881 min Scan# 2345

Delta R.T. 0.000 min

Lab File: BP018642.D

Acq: 06 Dec 2023 18:03

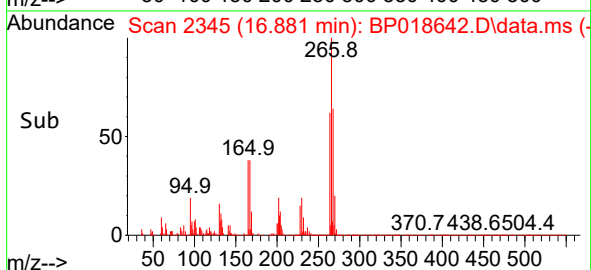
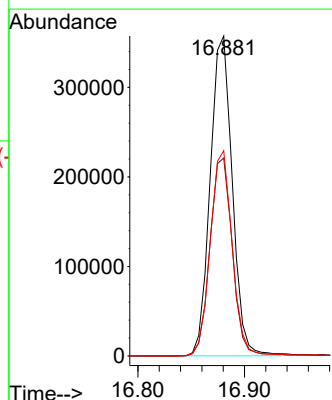
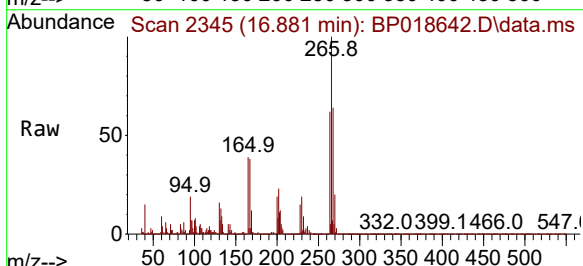
Tgt Ion:266 Resp: 513908

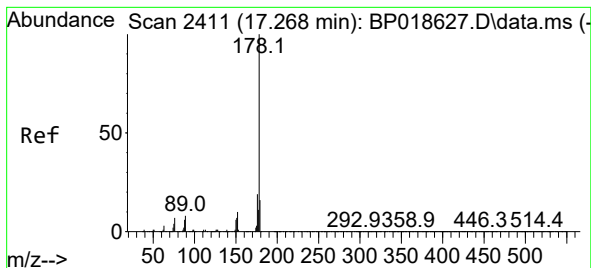
Ion Ratio Lower Upper

266 100

264 61.8 50.2 75.2

268 64.1 50.5 75.7





#72

Phenanthrene

Concen: 33.109 ng/ul

RT: 17.275 min Scan# 2411

Delta R.T. 0.000 min

Lab File: BP018642.D

Acq: 06 Dec 2023 18:03

Instrument :

BNA_P

ClientSampleId :

E05N2MS

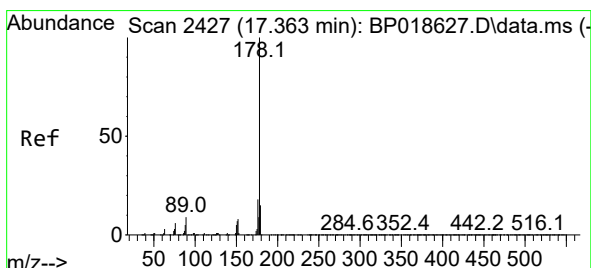
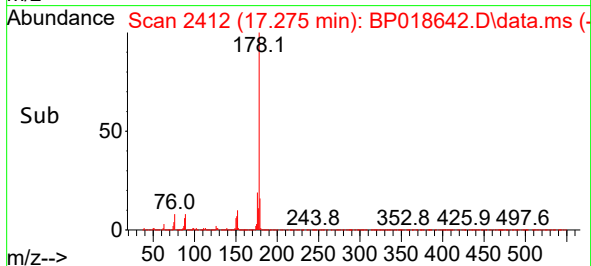
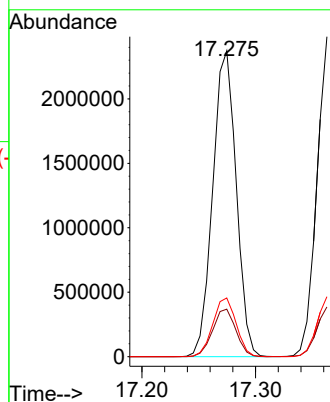
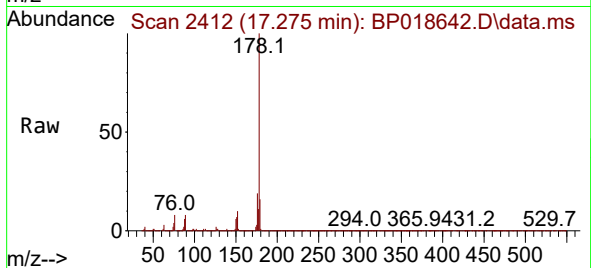
Tgt Ion:178 Resp: 3401786

Ion Ratio Lower Upper

178 100

179 15.6 12.3 18.5

176 19.2 15.4 23.2



#74

Anthracene

Concen: 33.497 ng/ul

RT: 17.363 min Scan# 2427

Delta R.T. 0.000 min

Lab File: BP018642.D

Acq: 06 Dec 2023 18:03

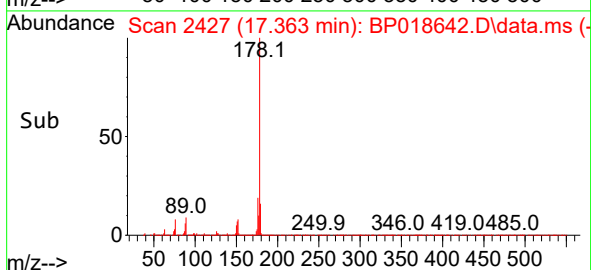
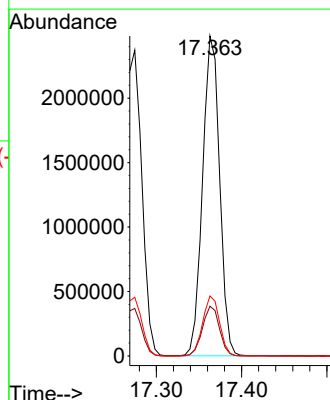
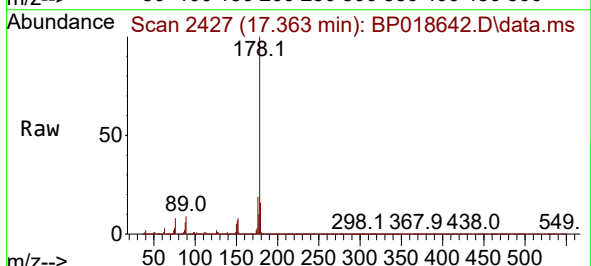
Tgt Ion:178 Resp: 3449842

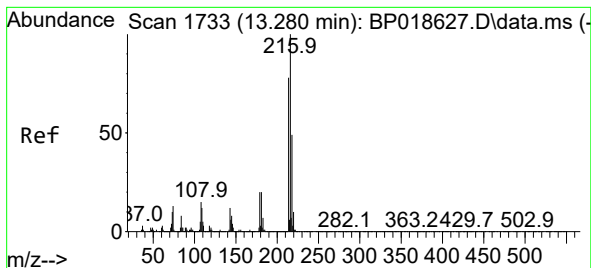
Ion Ratio Lower Upper

178 100

179 15.5 12.5 18.7

176 18.8 15.0 22.6





#75

1,2,3,4-Tetrachlorobenzene

Concen: 36.034 ng/uL

RT: 13.281 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP018642.D

Acq: 06 Dec 2023 18:03

Instrument :

BNA_P

ClientSampleId :

E05N2MS

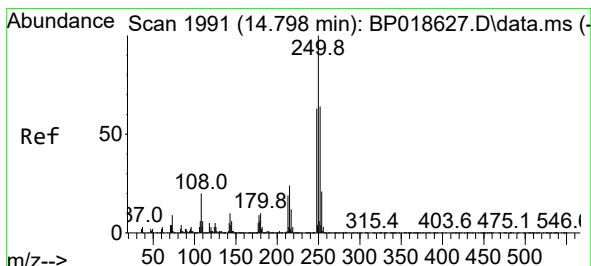
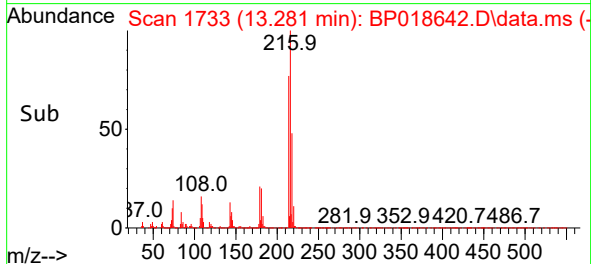
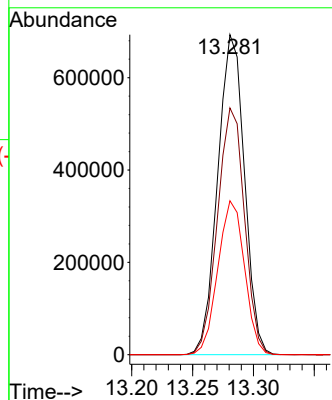
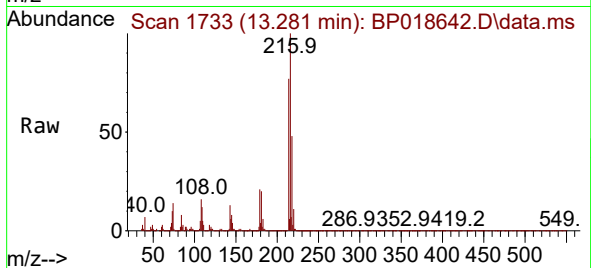
Tgt Ion:216 Resp: 1059968

Ion Ratio Lower Upper

216 100

214 77.1 61.4 92.2

218 48.1 39.2 58.8



#76

Pentachlorobenzene

Concen: 34.433 ng/uL

RT: 14.798 min Scan# 1991

Delta R.T. 0.000 min

Lab File: BP018642.D

Acq: 06 Dec 2023 18:03

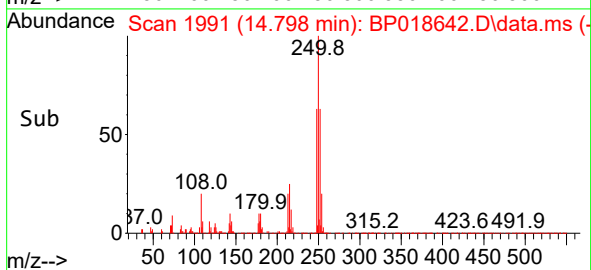
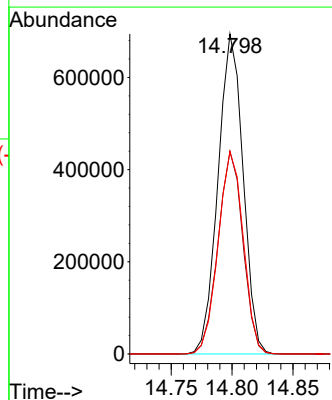
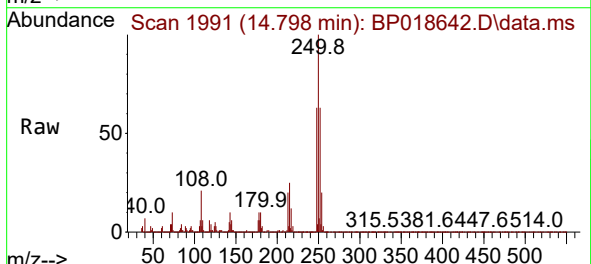
Tgt Ion:250 Resp: 994933

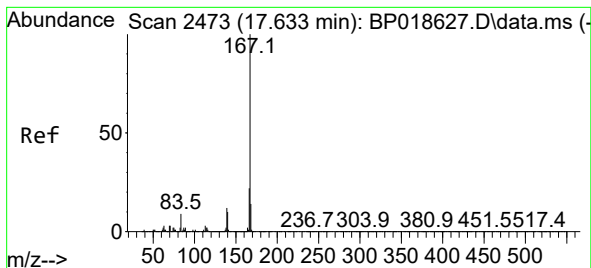
Ion Ratio Lower Upper

250 100

248 63.3 50.6 75.8

252 63.3 51.3 76.9





#77

Carbazole

Concen: 38.263 ng/ul

RT: 17.639 min Scan# 2473

Delta R.T. 0.000 min

Lab File: BP018642.D

Acq: 06 Dec 2023 18:03

Instrument :

BNA_P

ClientSampleId :

E05N2MS

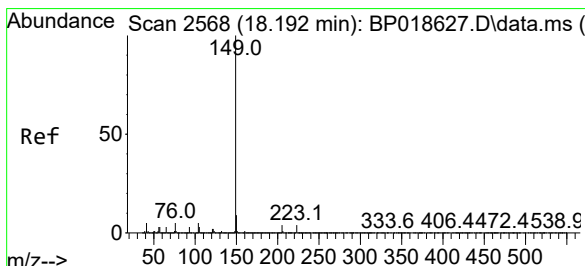
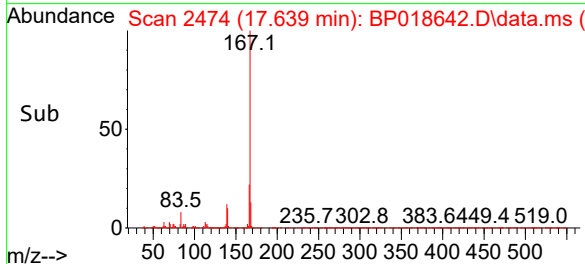
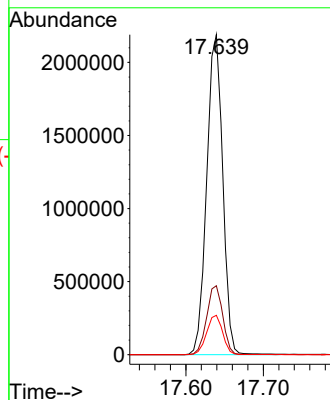
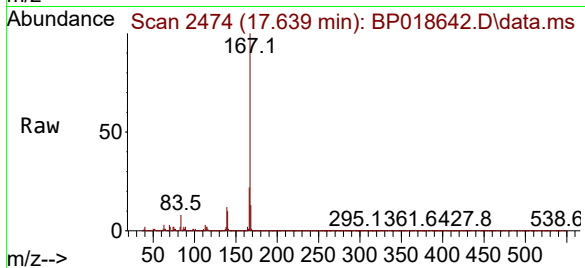
Tgt Ion:167 Resp: 3140677

Ion Ratio Lower Upper

167 100

166 21.5 17.1 25.7

139 12.3 10.2 15.4



#78

Di-n-butylphthalate

Concen: 33.861 ng/ul

RT: 18.192 min Scan# 2568

Delta R.T. 0.000 min

Lab File: BP018642.D

Acq: 06 Dec 2023 18:03

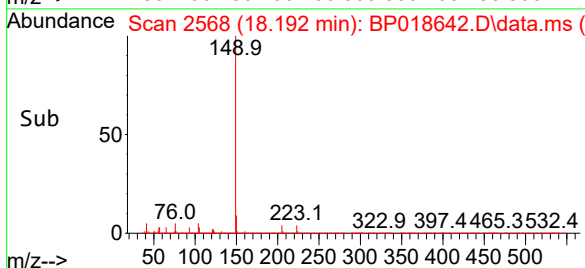
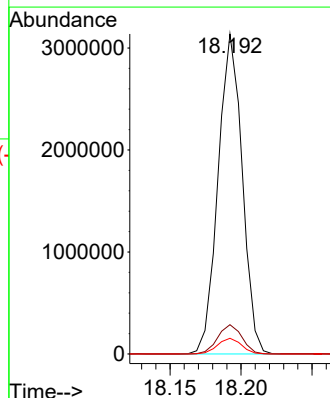
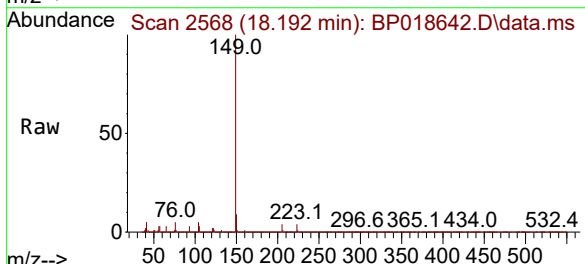
Tgt Ion:149 Resp: 3700873

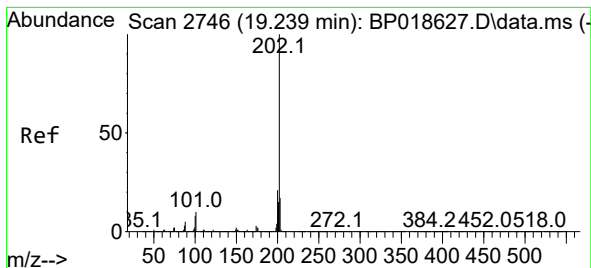
Ion Ratio Lower Upper

149 100

150 9.2 7.4 11.2

104 4.9 3.9 5.9





#80

Fluoranthene

Concen: 25.970 ng/ul

RT: 19.239 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP018642.D

Acq: 06 Dec 2023 18:03

Instrument :

BNA_P

ClientSampleId :

E05N2MS

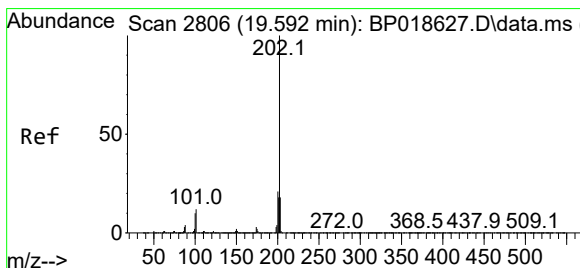
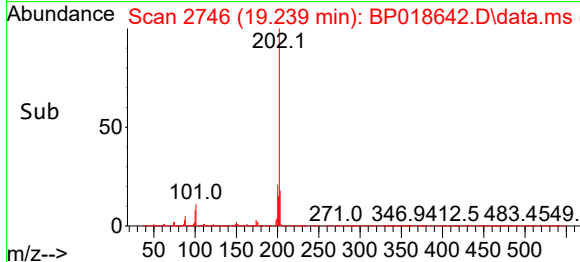
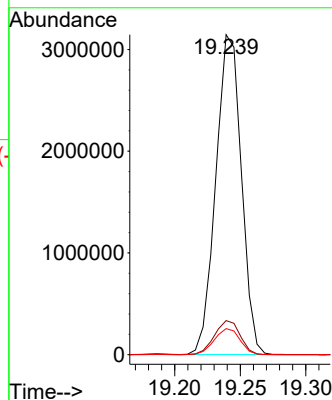
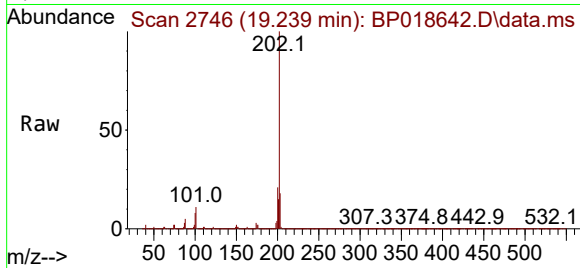
Tgt Ion:202 Resp: 4259904

Ion Ratio Lower Upper

202 100

101 10.6 9.1 13.7

100 8.2 7.1 10.7



#82

Pyrene

Concen: 26.666 ng/ul

RT: 19.598 min Scan# 2807

Delta R.T. 0.006 min

Lab File: BP018642.D

Acq: 06 Dec 2023 18:03

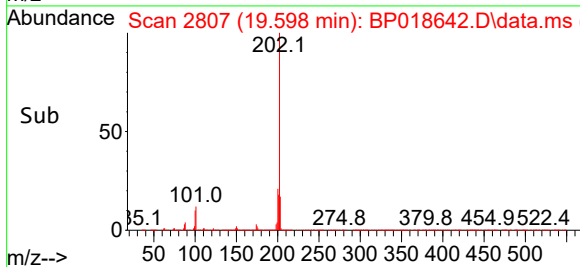
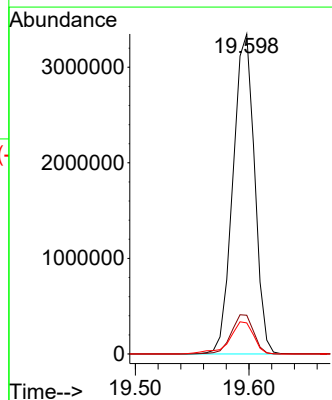
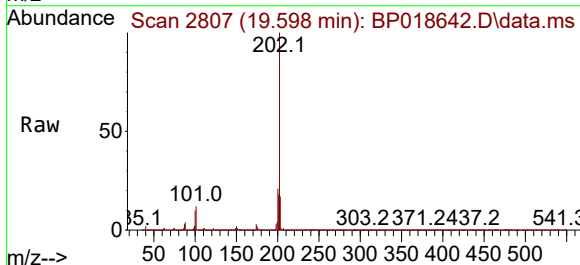
Tgt Ion:202 Resp: 4412647

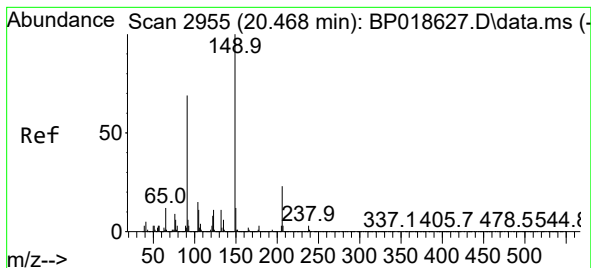
Ion Ratio Lower Upper

202 100

101 12.1 11.0 16.4

100 9.7 9.1 13.7





#83

Butylbenzylphthalate

Concen: 29.892 ng/ul

RT: 20.474 min Scan# 2955

Delta R.T. 0.000 min

Lab File: BP018642.D

Acq: 06 Dec 2023 18:03

Instrument :

BNA_P

ClientSampleId :

E05N2MS

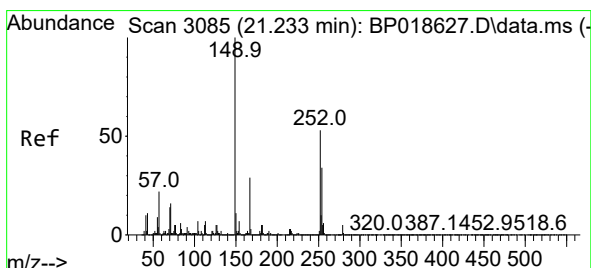
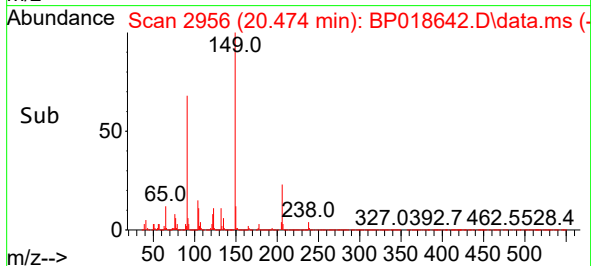
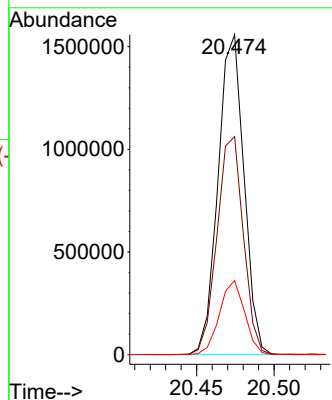
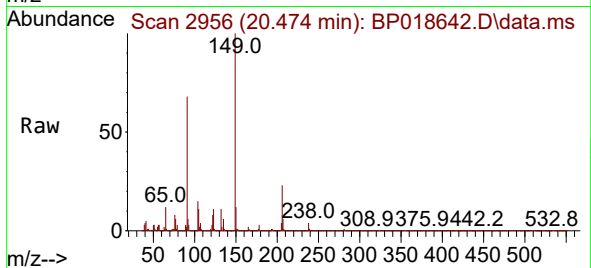
Tgt Ion:149 Resp: 1810839

Ion Ratio Lower Upper

149 100

91 68.1 56.6 85.0

206 23.2 17.4 26.0



#84

3,3'-Dichlorobenzidine

Concen: 32.048 ng/ul

RT: 21.239 min Scan# 3086

Delta R.T. 0.000 min

Lab File: BP018642.D

Acq: 06 Dec 2023 18:03

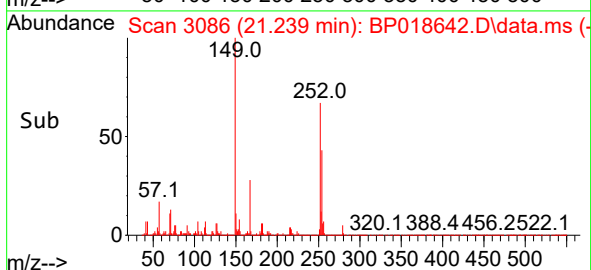
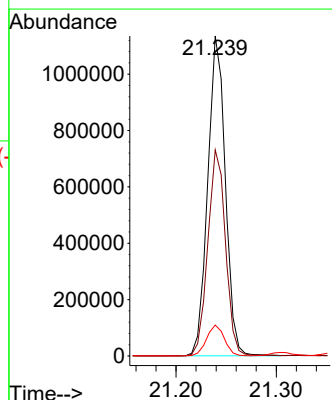
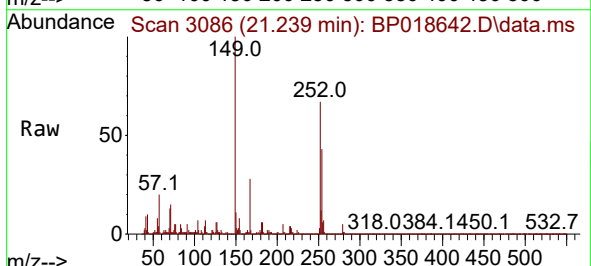
Tgt Ion:252 Resp: 1388342

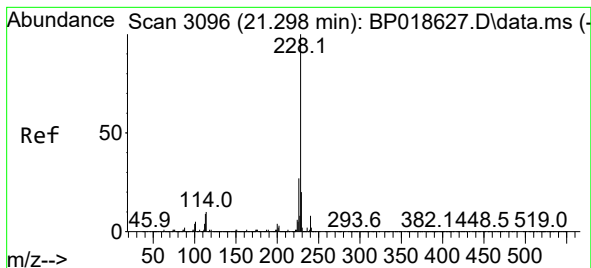
Ion Ratio Lower Upper

252 100

254 64.4 51.0 76.4

126 9.7 7.8 11.6





#85

Benzo(a)anthracene

Concen: 33.312 ng/ul

RT: 21.304 min Scan# 3096

Delta R.T. 0.000 min

Lab File: BP018642.D

Acq: 06 Dec 2023 18:03

Instrument :

BNA_P

ClientSampleId :

E05N2MS

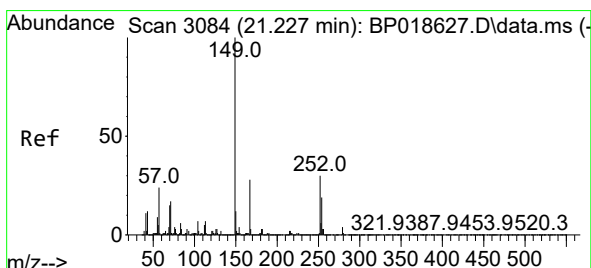
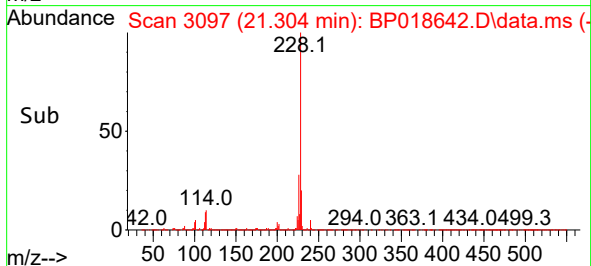
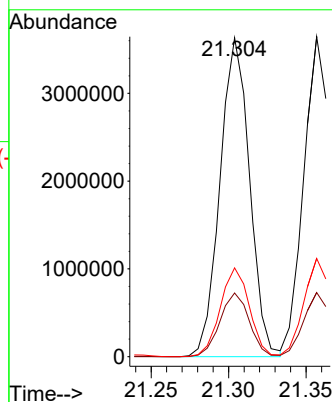
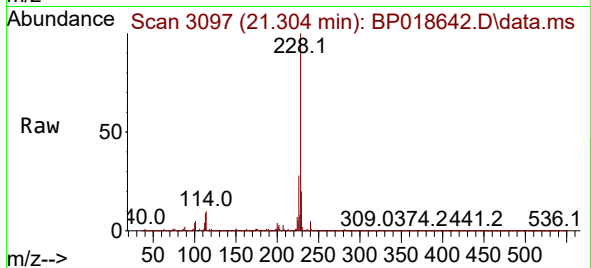
Tgt Ion:228 Resp: 4820258

Ion Ratio Lower Upper

228 100

229 20.0 15.7 23.5

226 27.9 21.9 32.9



#86

Bis(2-ethylhexyl)phthalate

Concen: 30.977 ng/ul

RT: 21.233 min Scan# 3085

Delta R.T. 0.000 min

Lab File: BP018642.D

Acq: 06 Dec 2023 18:03

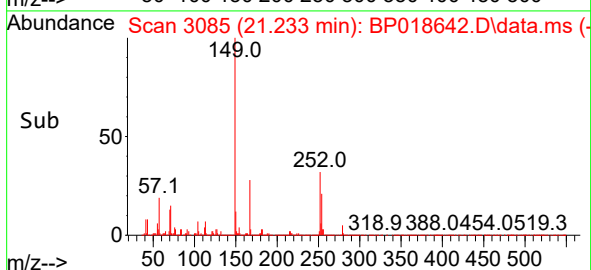
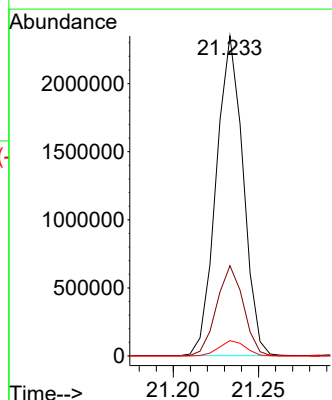
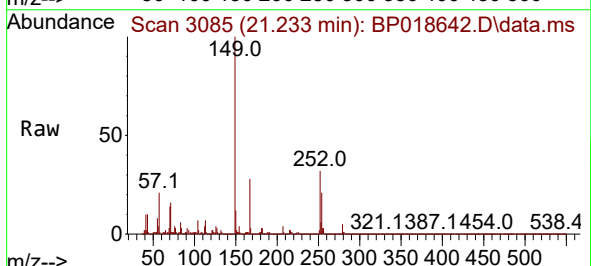
Tgt Ion:149 Resp: 2579275

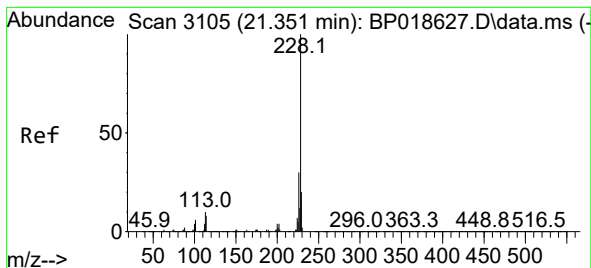
Ion Ratio Lower Upper

149 100

167 28.2 22.2 33.2

279 4.8 3.3 4.9





#87

Chrysene

Concen: 33.119 ng/ul

RT: 21.357 min Scan# 3106

Delta R.T. 0.006 min

Lab File: BP018642.D

Acq: 06 Dec 2023 18:03

Instrument :

BNA_P

ClientSampleId :

E05N2MS

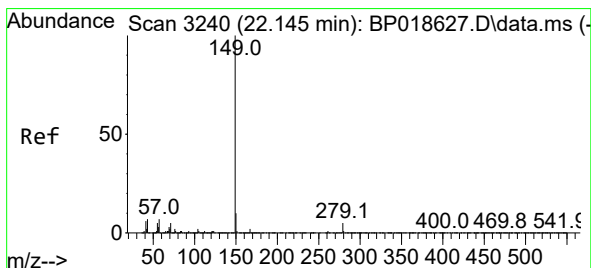
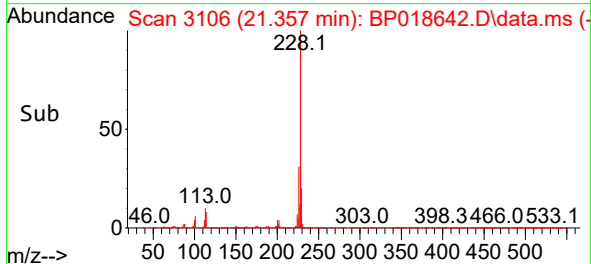
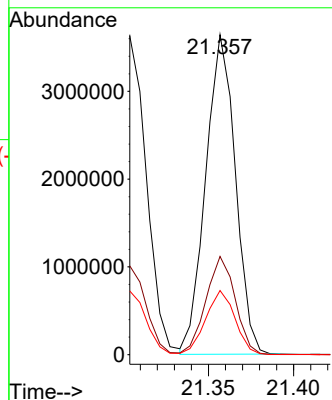
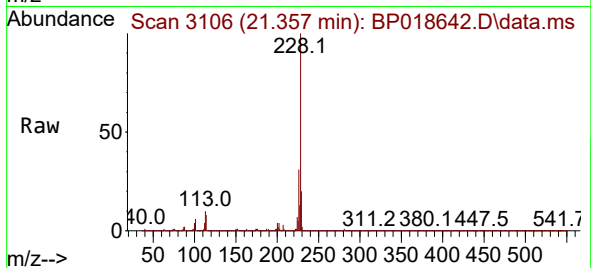
Tgt Ion:228 Resp: 4413121

Ion Ratio Lower Upper

228 100

226 30.7 23.9 35.9

229 20.1 15.6 23.4



#89

Di-n-octyl phthalate

Concen: 29.696 ng/ul

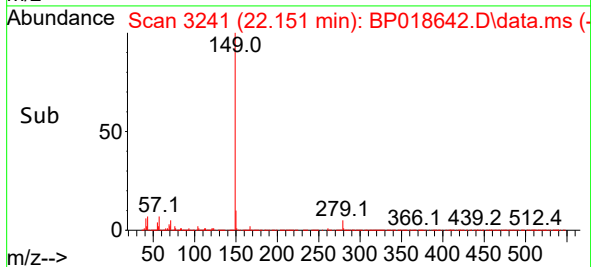
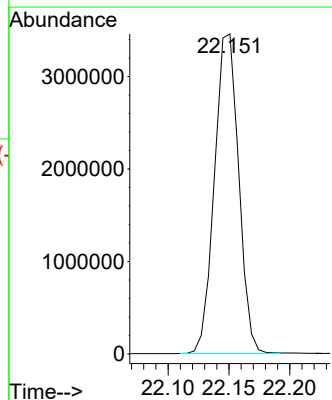
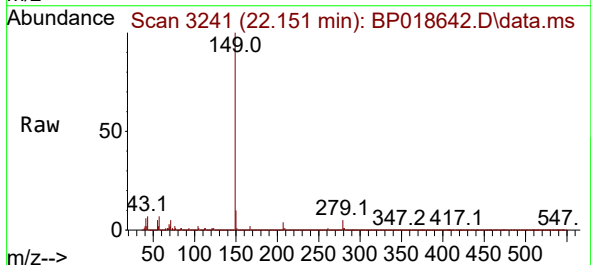
RT: 22.151 min Scan# 3241

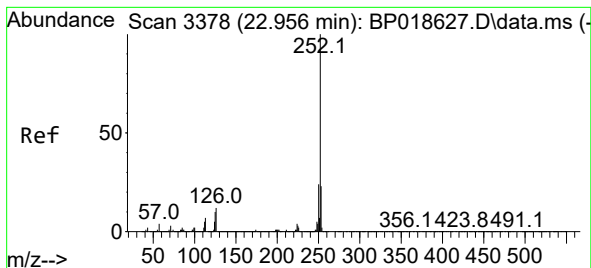
Delta R.T. 0.000 min

Lab File: BP018642.D

Acq: 06 Dec 2023 18:03

Tgt Ion:149 Resp: 4780122





#90

Benzo(b)fluoranthene

Concen: 31.066 ng/ul

RT: 22.968 min Scan# 3380

Delta R.T. 0.006 min

Lab File: BP018642.D

Acq: 06 Dec 2023 18:03

Instrument :

BNA_P

ClientSampleId :

E05N2MS

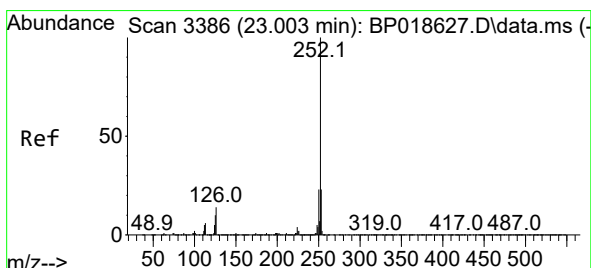
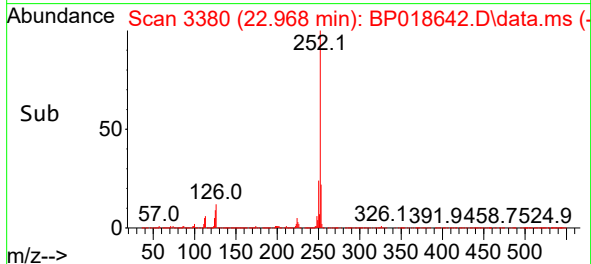
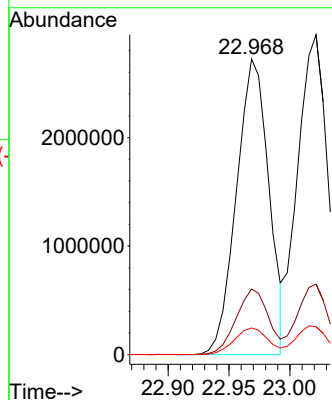
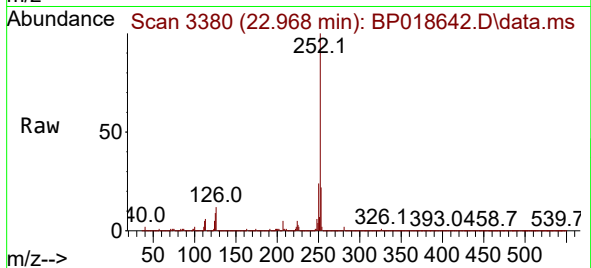
Tgt Ion:252 Resp: 5049806

Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

125 9.0 7.8 11.6



#91

Benzo(k)fluoranthene

Concen: 32.091 ng/ul

RT: 23.021 min Scan# 3389

Delta R.T. 0.006 min

Lab File: BP018642.D

Acq: 06 Dec 2023 18:03

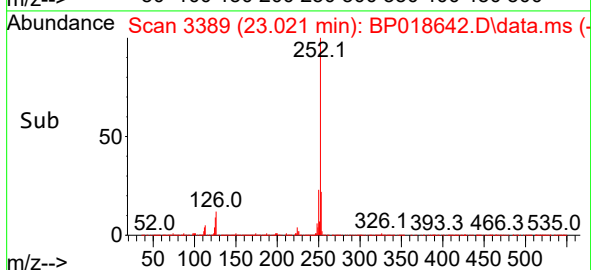
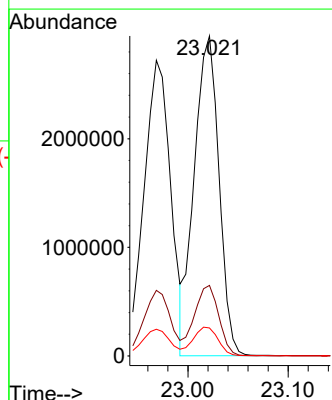
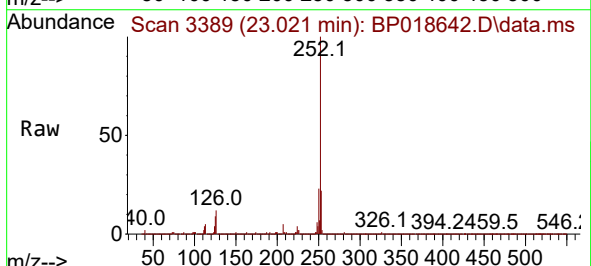
Tgt Ion:252 Resp: 5047317

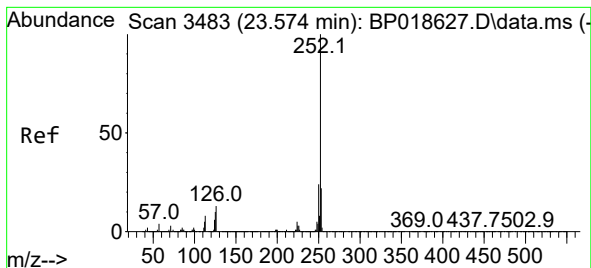
Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

125 8.8 8.0 12.0





#93

Benzo(a)pyrene

Concen: 32.852 ng/ul

RT: 23.592 min Scan# 3486

Delta R.T. 0.006 min

Lab File: BP018642.D

Acq: 06 Dec 2023 18:03

Instrument :

BNA_P

ClientSampleId :

E05N2MS

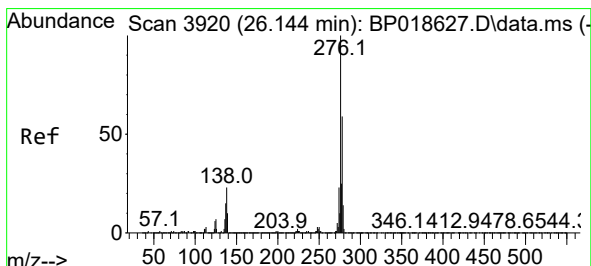
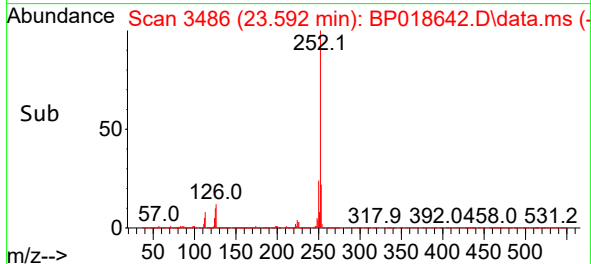
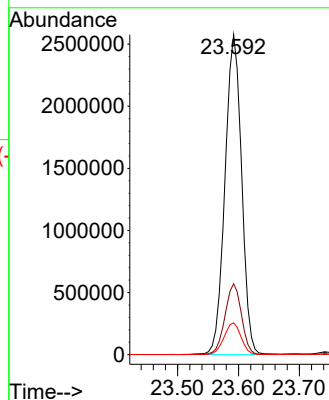
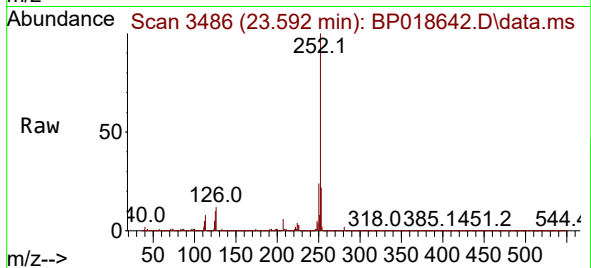
Tgt Ion:252 Resp: 4879484

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.8

125 9.9 9.2 13.8



#94

Indeno(1,2,3-cd)pyrene

Concen: 35.252 ng/ul

RT: 26.174 min Scan# 3925

Delta R.T. 0.018 min

Lab File: BP018642.D

Acq: 06 Dec 2023 18:03

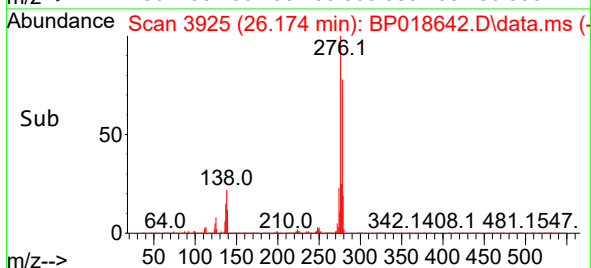
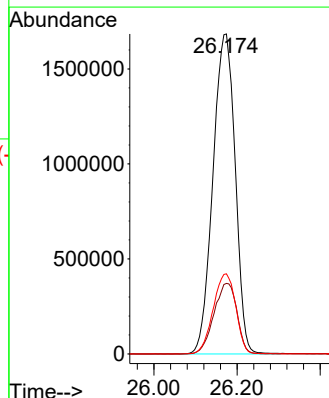
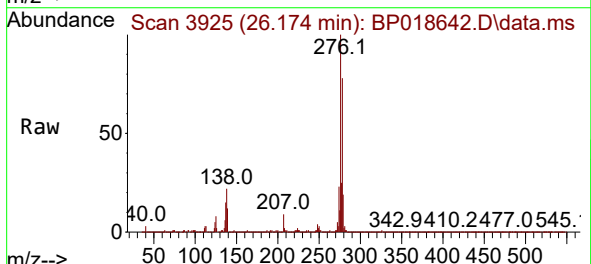
Tgt Ion:276 Resp: 6255886

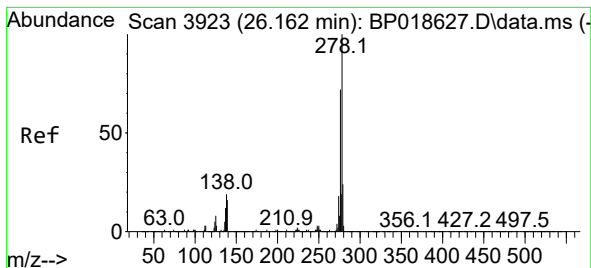
Ion Ratio Lower Upper

276 100

138 22.0 19.4 29.2

277 25.0 19.8 29.6





#95

Dibenzo(a,h)anthracene

Concen: 34.965 ng/ul

RT: 26.192 min Scan# 3923

Delta R.T. 0.012 min

Lab File: BP018642.D

Acq: 06 Dec 2023 18:03

Instrument :

BNA_P

ClientSampleId :

E05N2MS

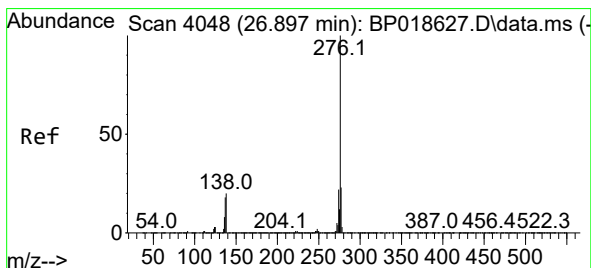
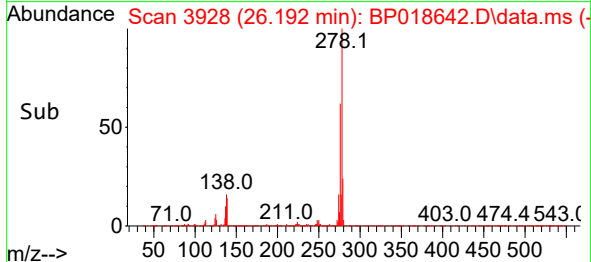
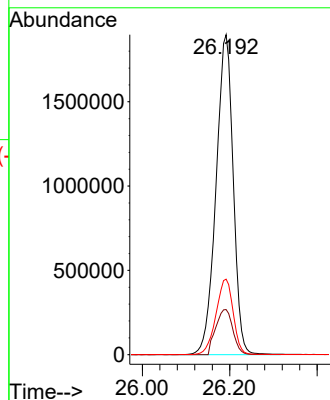
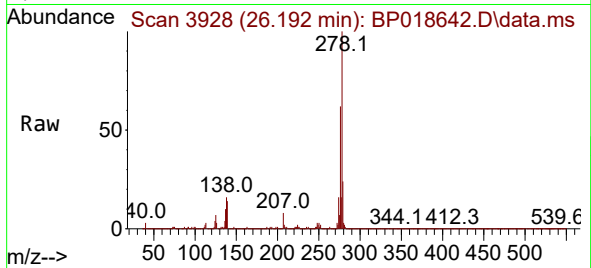
Tgt Ion:278 Resp: 5161645

Ion Ratio Lower Upper

278 100

139 14.1 13.0 19.6

279 23.6 18.7 28.1



#96

Benzo(g,h,i)perylene

Concen: 35.431 ng/ul

RT: 26.933 min Scan# 4054

Delta R.T. 0.018 min

Lab File: BP018642.D

Acq: 06 Dec 2023 18:03

Tgt Ion:276 Resp: 5060202

Ion Ratio Lower Upper

276 100

138 20.0 18.1 27.1

277 24.0 19.4 29.0

